

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092923\
 Data File : BF135520.D
 Acq On : 29 Sep 2023 17:15
 Operator : CG\JU
 Sample : 04636-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-09272023

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF135520.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.381	556	560	580	rBV	2943107	2981897	100.00%	7.548%
2	6.398	729	733	744	rBV	3043570	2888134	96.86%	7.311%
3	6.587	760	765	770	rBV2	58314	87019	2.92%	0.220%
4	6.745	789	792	798	rVB	1129881	939064	31.49%	2.377%
5	7.010	832	837	841	rVB4	45049	57028	1.91%	0.144%
6	7.310	884	888	892	rBV	2011335	1810545	60.72%	4.583%
7	7.386	896	901	904	rVB6	35096	55144	1.85%	0.140%
8	7.657	942	947	952	rVB5	51423	53898	1.81%	0.136%
9	7.775	963	967	971	rBV4	36989	54531	1.83%	0.138%
10	8.022	1006	1009	1012	rBV	1224267	1054809	35.37%	2.670%
11	8.045	1012	1013	1016	rVV	177030	97801	3.28%	0.248%
12	8.081	1016	1019	1022	rVB	82151	83859	2.81%	0.212%
13	8.310	1051	1058	1061	rBV6	56546	90682	3.04%	0.230%
14	8.398	1071	1073	1077	rVB3	50615	52353	1.76%	0.133%
15	8.445	1077	1081	1083	rBV	166863	148485	4.98%	0.376%
16	8.739	1128	1131	1133	rBV	139997	102176	3.43%	0.259%
17	8.833	1144	1147	1151	rVB	122697	123969	4.16%	0.314%
18	9.045	1180	1183	1187	rVB	182129	138411	4.64%	0.350%
19	9.104	1189	1193	1196	rBV	2823588	2615177	87.70%	6.620%
20	9.180	1202	1206	1208	rBV3	67729	91475	3.07%	0.232%
21	9.222	1211	1213	1216	rVB3	62181	54970	1.84%	0.139%
22	9.298	1223	1226	1232	rVB	45513	51518	1.73%	0.130%
23	9.369	1234	1238	1241	rVV2	84338	97778	3.28%	0.248%
24	9.439	1247	1250	1252	rBV	132961	130504	4.38%	0.330%
25	9.463	1252	1254	1256	rVV2	80654	83702	2.81%	0.212%
26	9.504	1258	1261	1263	rVB	169840	155884	5.23%	0.395%
27	9.557	1268	1270	1274	rVB3	71766	66528	2.23%	0.168%
28	9.639	1281	1284	1289	rBV	102842	102897	3.45%	0.260%
29	9.680	1289	1291	1294	rVB	59290	53031	1.78%	0.134%
30	9.780	1300	1308	1311	rBV	1163572	1051410	35.26%	2.661%
31	9.810	1311	1313	1317	rVB	458373	371933	12.47%	0.941%
32	9.886	1323	1326	1330	rVB2	47689	56745	1.90%	0.144%
33	9.939	1330	1335	1338	rBV5	44548	72796	2.44%	0.184%
34	9.986	1339	1343	1347	rVV	294640	282585	9.48%	0.715%
35	10.022	1347	1349	1359	rVB3	68691	110322	3.70%	0.279%
36	10.098	1359	1362	1365	rBV	58904	61760	2.07%	0.156%

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >

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Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.180	1374	1376	1379	rBV3	40603	50318	1.69%	0.127%
38	10.327	1398	1401	1407	rVV	489369	433438	14.54%	1.097%
39	10.392	1407	1412	1414	rVV2	48787	70658	2.37%	0.179%
40	10.416	1414	1416	1418	rVV	72985	73590	2.47%	0.186%
41	10.433	1418	1419	1422	rVV2	54863	53851	1.81%	0.136%
42	10.486	1426	1428	1432	rVB	90416	78424	2.63%	0.199%
43	10.575	1439	1443	1449	rBV	1287123	1196533	40.13%	3.029%
44	10.698	1459	1464	1471	rVB4	64130	98753	3.31%	0.250%
45	10.880	1488	1495	1497	rBV2	88426	104982	3.52%	0.266%
46	11.122	1533	1536	1541	rVV3	33592	58051	1.95%	0.147%
47	11.169	1541	1544	1549	rVB	180234	167208	5.61%	0.423%
48	11.274	1558	1562	1563	rBV	863965	823703	27.62%	2.085%
49	11.298	1563	1566	1569	rVV	2234541	1859616	62.36%	4.707%
50	11.351	1569	1575	1578	rVV	649148	625976	20.99%	1.585%
51	11.386	1578	1581	1586	rVV3	57889	79222	2.66%	0.201%
52	11.510	1597	1602	1609	rVV	226476	257467	8.63%	0.652%
53	11.569	1609	1612	1616	rVV2	48796	60715	2.04%	0.154%
54	11.604	1616	1618	1623	rVV2	64294	77528	2.60%	0.196%
55	11.774	1644	1647	1650	rBV	229196	210393	7.06%	0.533%
56	11.804	1650	1652	1657	rVV	490252	449096	15.06%	1.137%
57	11.851	1657	1660	1663	rVV	121863	120569	4.04%	0.305%
58	11.886	1663	1666	1669	rVV	458779	460288	15.44%	1.165%
59	11.910	1669	1670	1676	rVB	162639	114063	3.83%	0.289%
60	12.074	1694	1698	1701	rBV	150407	134399	4.51%	0.340%
61	12.110	1701	1704	1708	rVB2	78321	69225	2.32%	0.175%
62	12.327	1738	1741	1744	rBV	142543	148208	4.97%	0.375%
63	12.369	1744	1748	1750	rVV2	101126	110278	3.70%	0.279%
64	12.421	1753	1757	1761	rBV3	90808	118120	3.96%	0.299%
65	12.492	1765	1769	1773	rBV	2225787	2098862	70.39%	5.313%
66	12.527	1773	1775	1778	rVV3	79325	91617	3.07%	0.232%
67	12.598	1784	1787	1790	rVV3	56698	73328	2.46%	0.186%
68	12.639	1792	1794	1798	rVV2	114907	132226	4.43%	0.335%
69	12.721	1802	1808	1814	rVV	1873944	2194254	73.59%	5.554%
70	12.774	1814	1817	1821	rVB3	88982	110340	3.70%	0.279%
71	12.868	1829	1833	1836	rVB	2099246	1824373	61.18%	4.618%
72	12.939	1841	1845	1850	rBV4	125759	214784	7.20%	0.544%
73	13.033	1857	1861	1862	rBV2	120656	147477	4.95%	0.373%
74	13.057	1862	1865	1868	rVB	334158	333433	11.18%	0.844%
75	13.098	1868	1872	1873	rBV3	46217	54333	1.82%	0.138%
76	13.121	1873	1876	1878	rVB	315603	262020	8.79%	0.663%

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77	13.157	1878	1882	1884	rBV2	185824	187667	6.29%	0.475%
78	13.251	1895	1898	1901	rBV	117366	93122	3.12%	0.236%
79	13.280	1901	1903	1912	rVB2	133028	165132	5.54%	0.418%
80	13.539	1944	1947	1950	rBV3	66479	83832	2.81%	0.212%
81	13.568	1950	1952	1956	rVB	81477	83252	2.79%	0.211%
82	13.674	1968	1970	1973	rBV	152592	144166	4.83%	0.365%
83	13.704	1973	1975	1977	rVV	147476	109216	3.66%	0.276%
84	13.727	1977	1979	1981	rVV	126229	113224	3.80%	0.287%
85	13.780	1985	1988	1995	rVB4	161852	244365	8.19%	0.619%
86	13.927	2006	2013	2016	rBV2	1229746	2008545	67.36%	5.084%
87	13.957	2016	2018	2026	rVB	916590	775413	26.00%	1.963%
88	14.033	2026	2031	2034	rBV2	218842	230750	7.74%	0.584%
89	14.092	2037	2041	2045	rBV4	60932	102824	3.45%	0.260%
90	14.280	2071	2073	2075	rBV	71190	56209	1.89%	0.142%
91	14.321	2077	2080	2083	rVB	151839	142964	4.79%	0.362%
92	14.351	2083	2085	2087	rBV	66251	51710	1.73%	0.131%
93	14.445	2099	2101	2103	rBV	75414	64052	2.15%	0.162%
94	14.968	2186	2190	2193	rBV	510831	725478	24.33%	1.836%
95	15.080	2206	2209	2212	rBV	101787	111152	3.73%	0.281%
96	15.268	2238	2241	2247	rVB	296229	340573	11.42%	0.862%
97	15.333	2248	2252	2257	rVB	451334	546349	18.32%	1.383%
98	15.392	2258	2262	2266	rBV	460644	598792	20.08%	1.516%
99	16.868	2509	2513	2521	rVB2	163562	333100	11.17%	0.843%
100	17.321	2586	2590	2599	rVB2	106154	220443	7.39%	0.558%

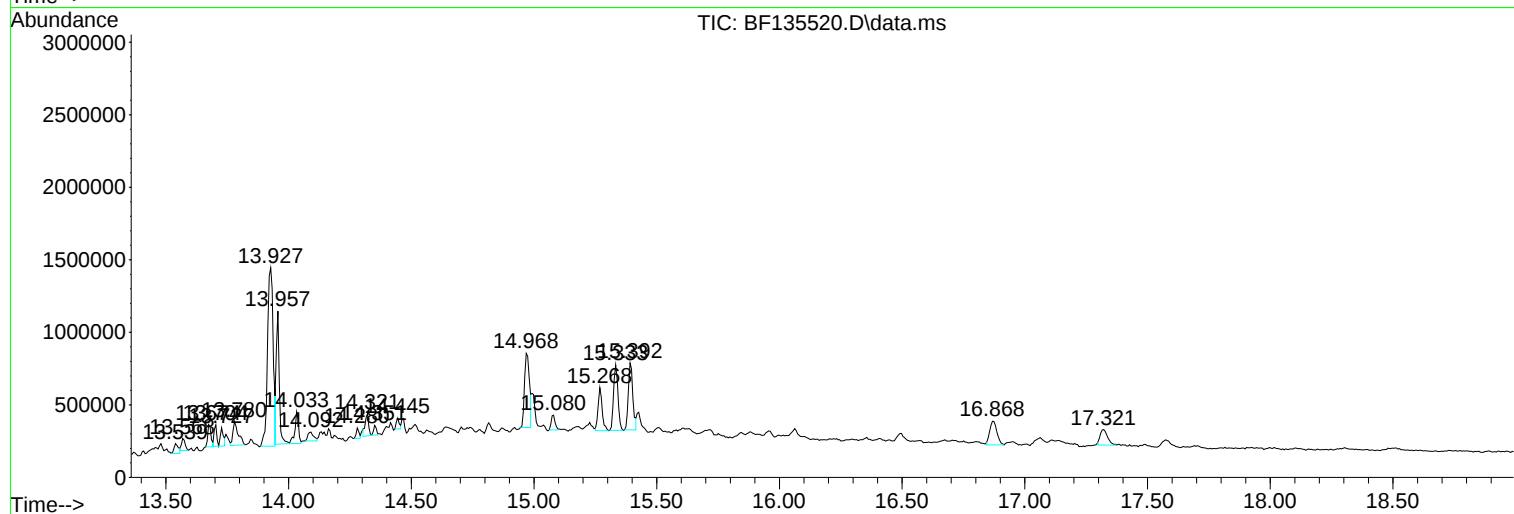
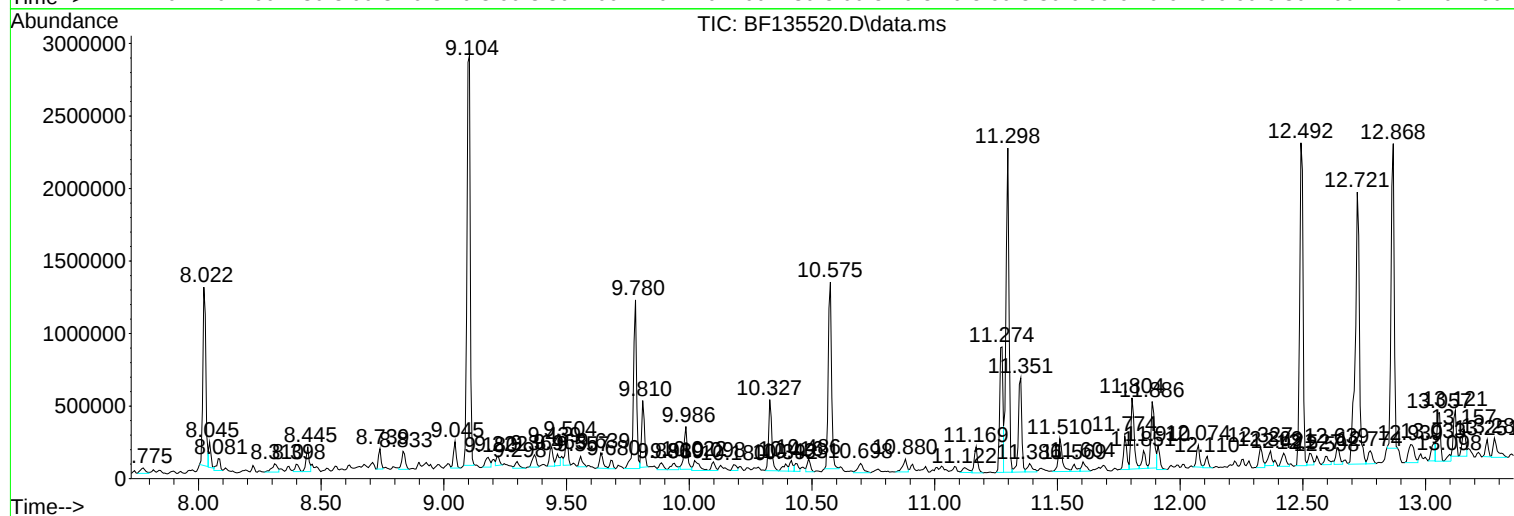
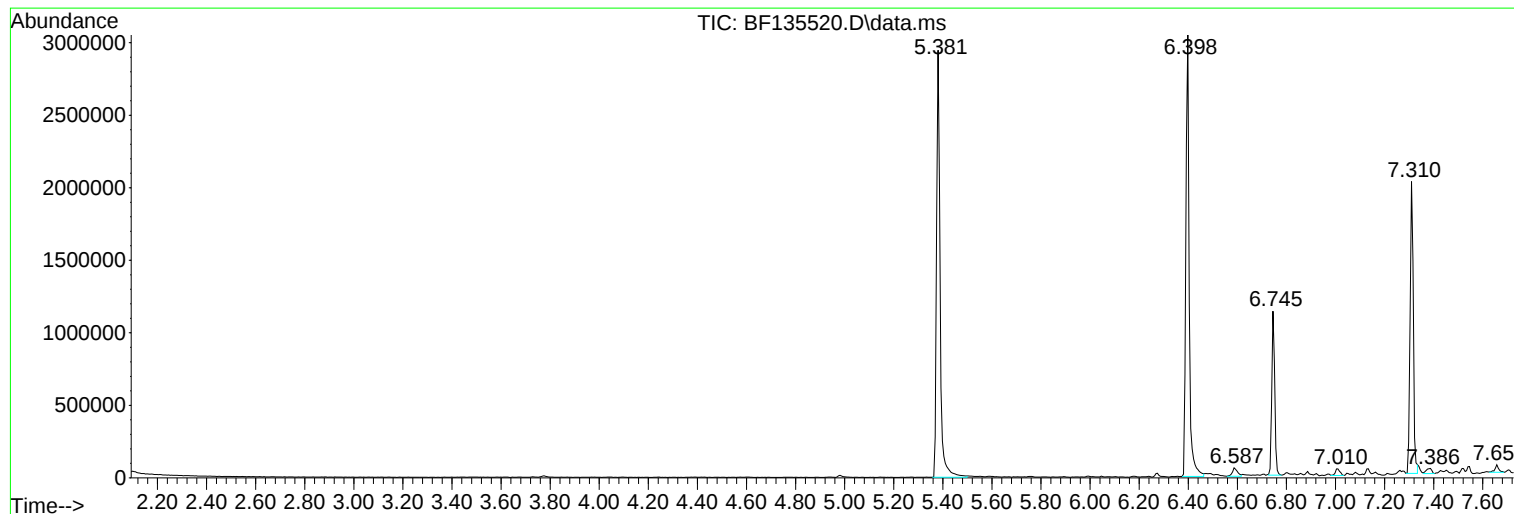
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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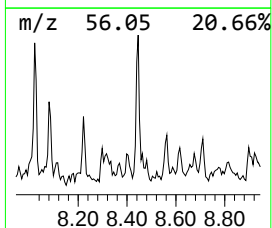
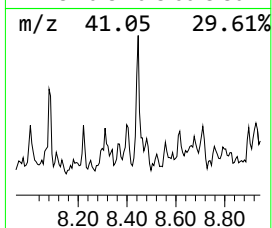
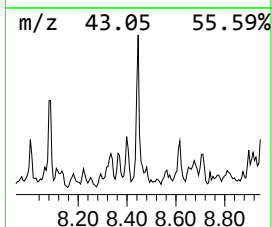
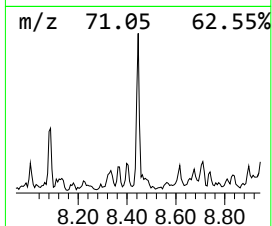
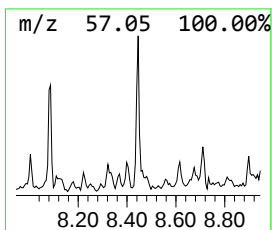
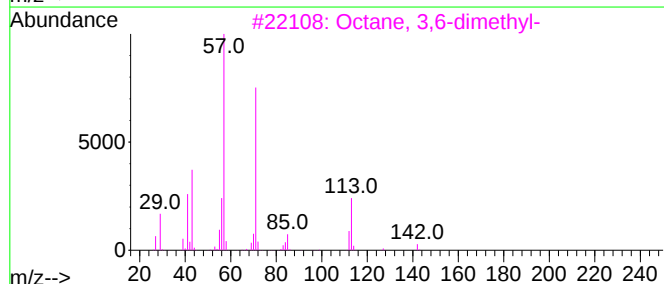
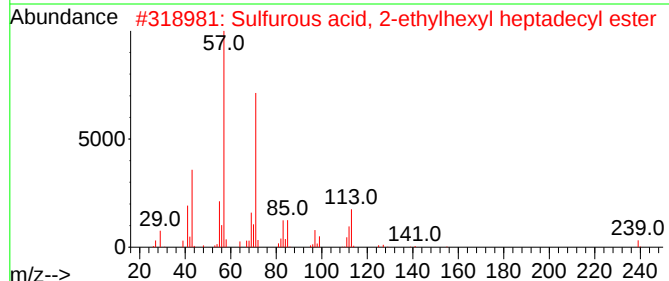
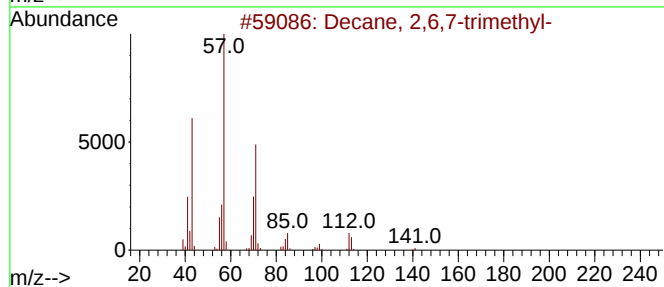
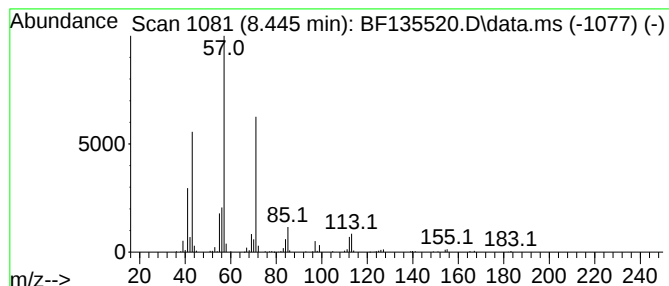
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Decane, 2,6,7-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.445	2.82 ng	148485	Naphthalene-d8	8.022

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	78
2			Sulfurous acid, 2-ethylhexyl hep...	432	C25H52O3S	1000309-20-0	72
3			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	72
4			Nonane, 3-methyl-	142	C10H22	005911-04-6	64
5			Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	59



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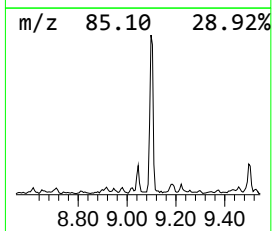
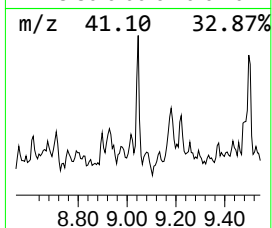
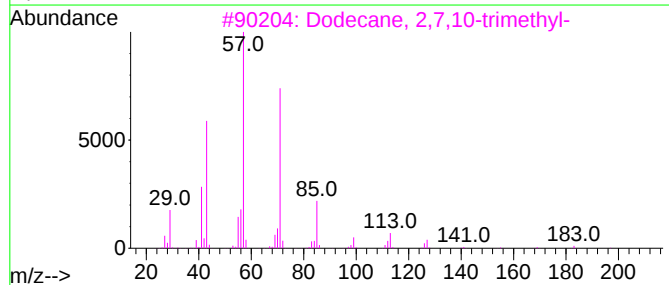
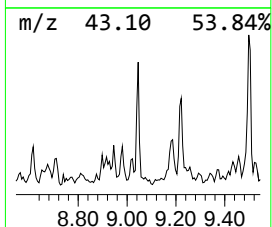
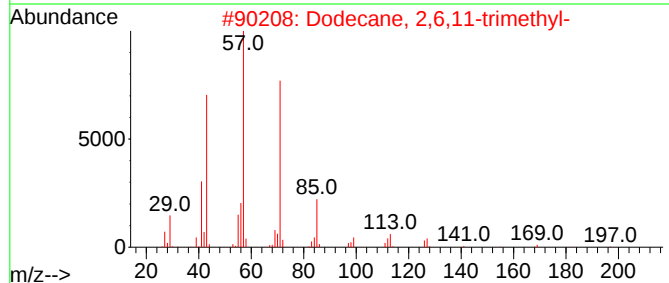
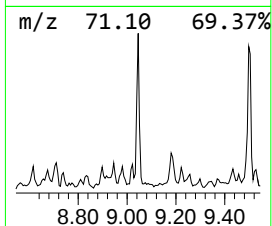
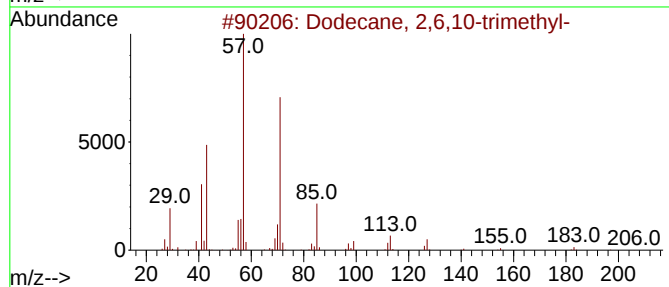
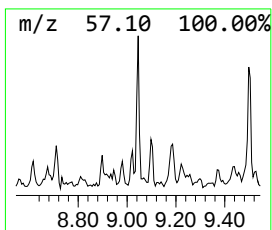
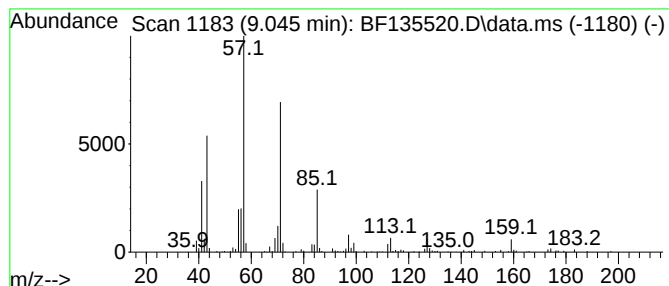
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Dodecane, 2,6,10-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.045	2.63 ng	138411	Acenaphthene-d10	9.780

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	90
2			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72
3			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
4			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	64
5			Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	53



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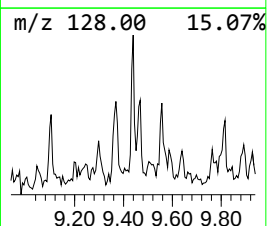
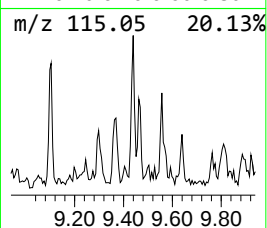
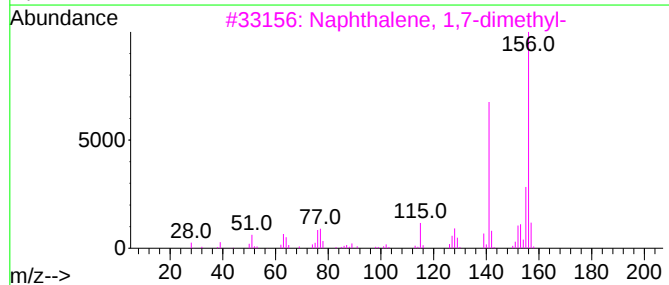
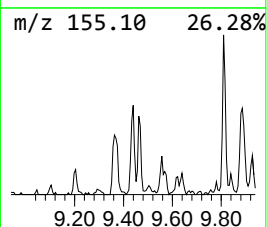
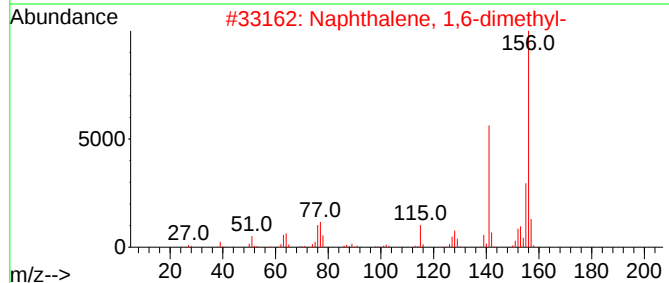
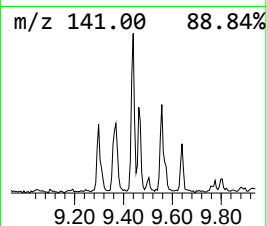
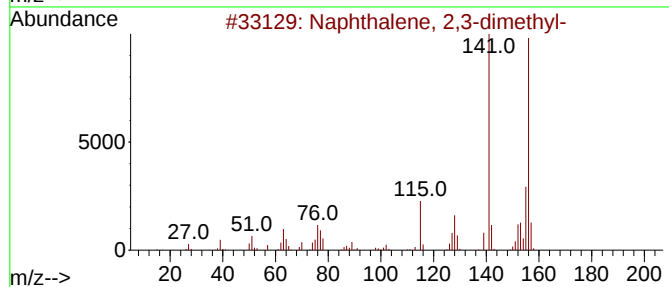
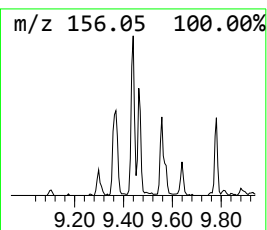
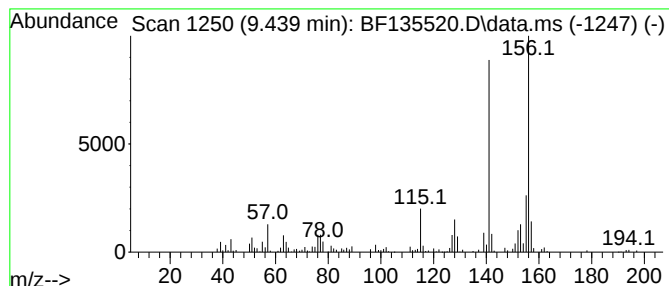
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.439	2.48 ng	130504	Acenaphthene-d10	9.780

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092923\
Data File : BF135520.D
Acq On : 29 Sep 2023 17:15
Operator : CG\JU
Sample : 04636-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-09272023

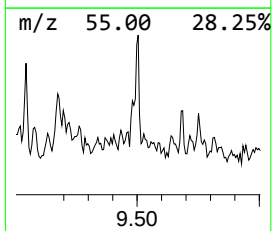
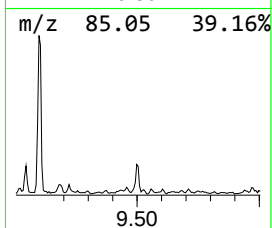
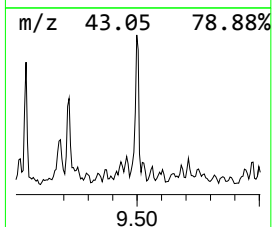
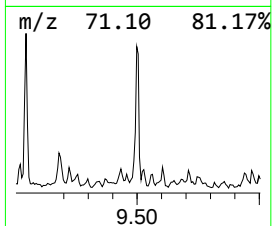
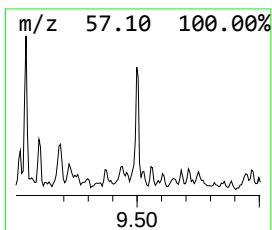
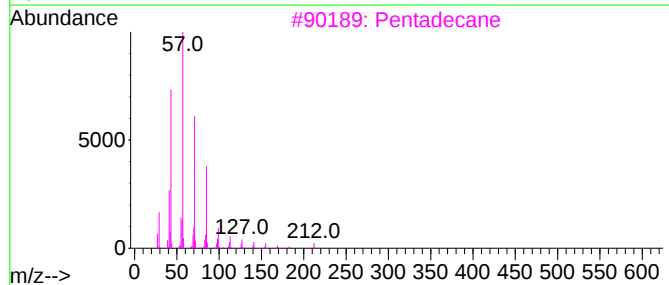
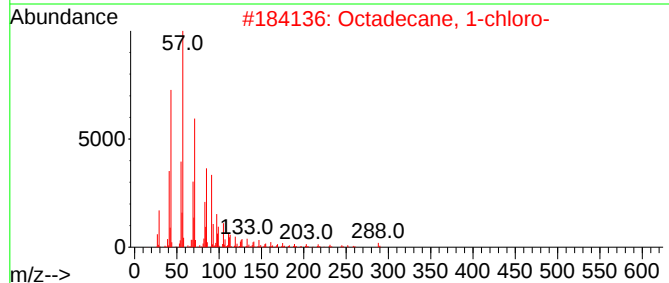
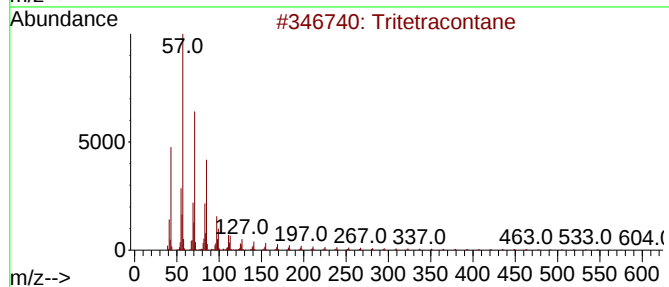
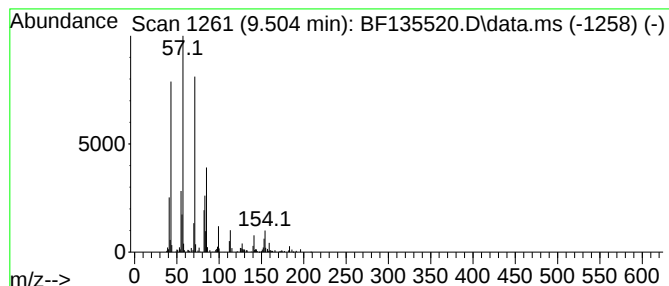
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Tritetracontane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.504	2.97 ng	155884	Acenaphthene-d10	9.780

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tritetracontane	605	C43H88	007098-21-7	80
2			Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	80
3			Pentadecane	212	C15H32	000629-62-9	64
4			Eicosane	282	C20H42	000112-95-8	64
5			Hexacosane	366	C26H54	000630-01-3	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092923\
Data File : BF135520.D
Acq On : 29 Sep 2023 17:15
Operator : CG\JU
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Misc :
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ClientSampleId :
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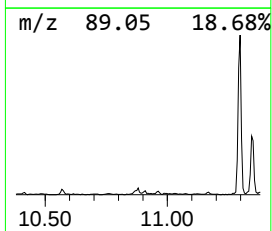
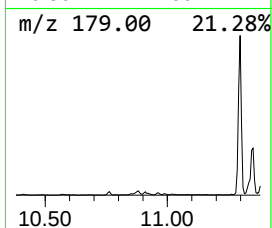
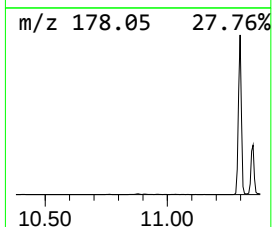
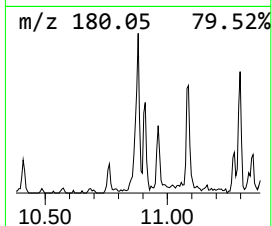
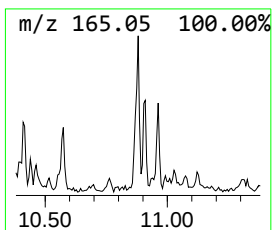
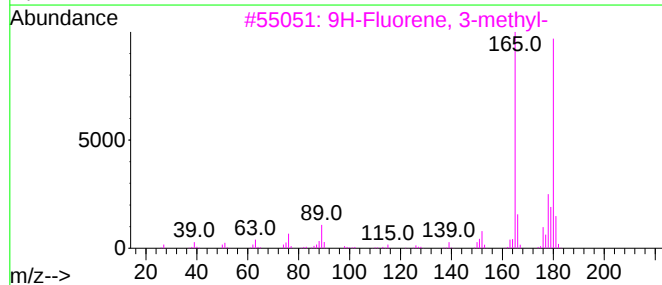
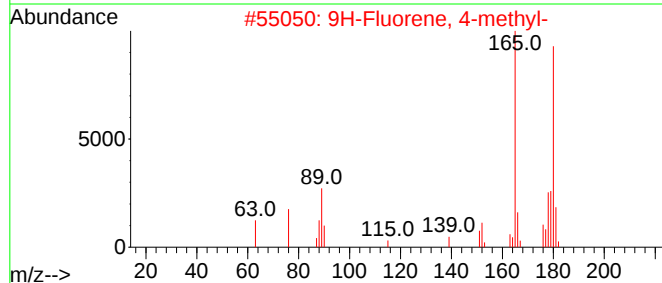
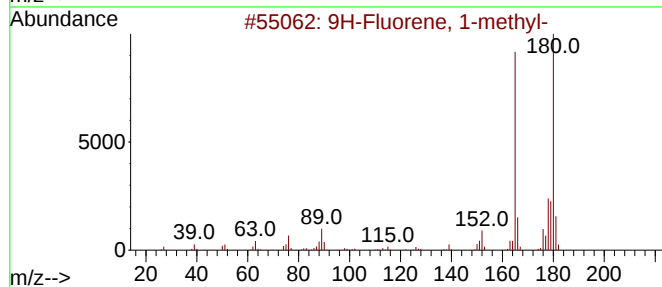
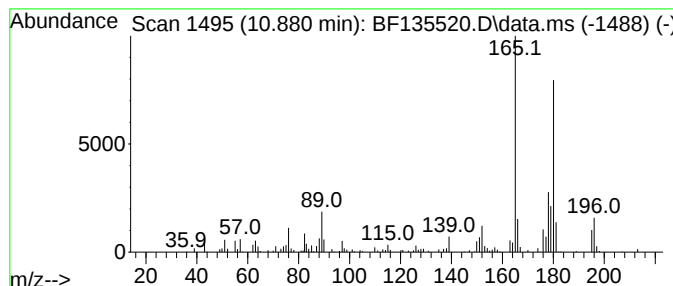
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 9H-Fluorene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.880	2.55 ng	104982	Phenanthrene-d10	11.275

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2			9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	96
3			9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
4			9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
5			9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092923\
Data File : BF135520.D
Acq On : 29 Sep 2023 17:15
Operator : CG\JU
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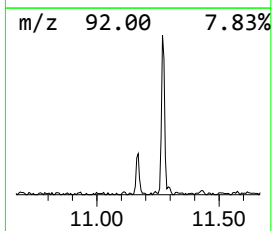
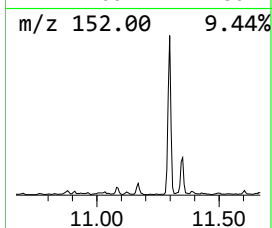
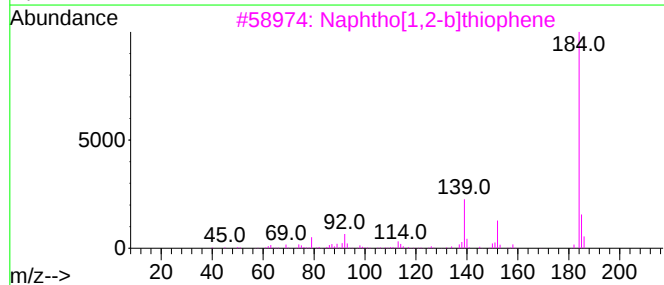
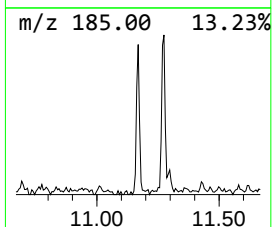
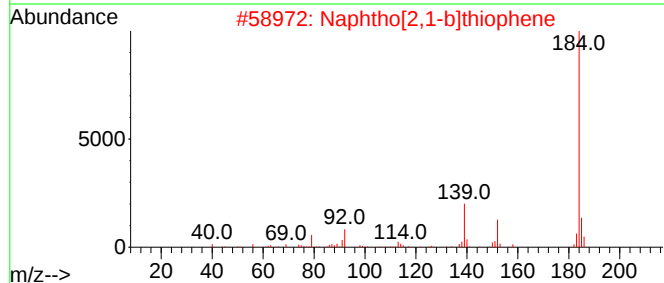
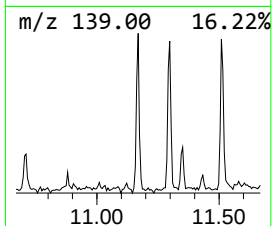
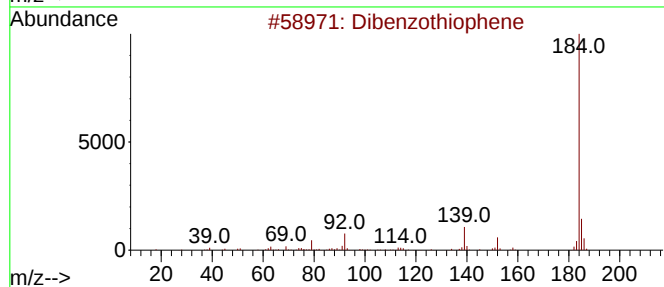
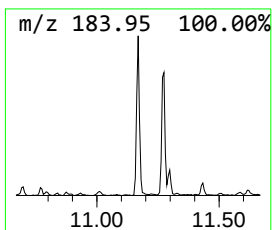
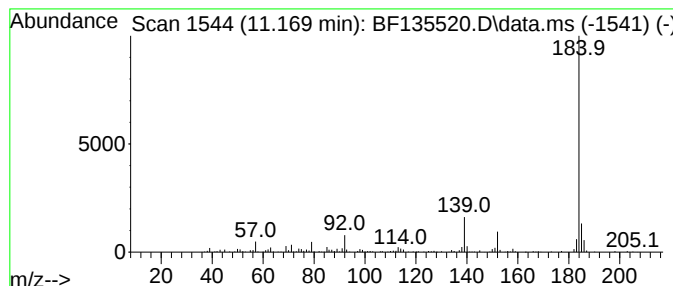
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Dibenzothiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.169	4.06 ng	167208	Phenanthrene-d10	11.275

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene	184	C12H8S	000132-65-0	97
2			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
5			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092923\
Data File : BF135520.D
Acq On : 29 Sep 2023 17:15
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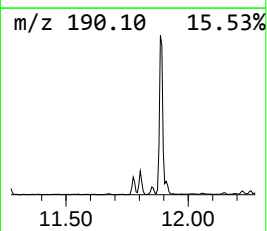
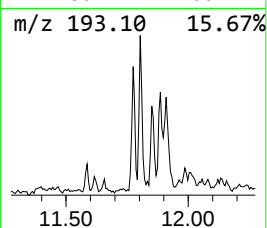
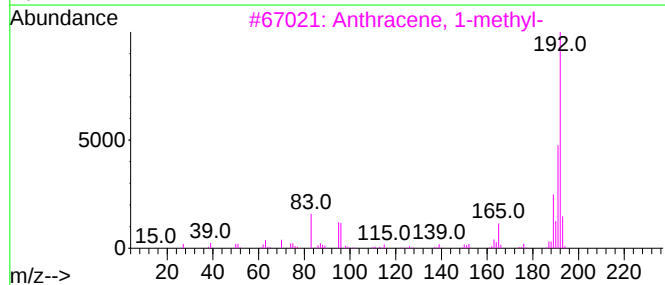
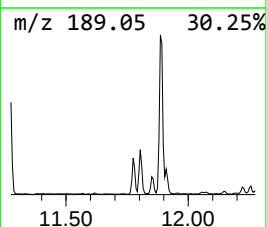
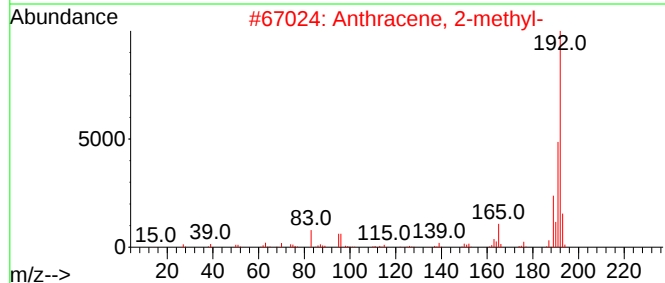
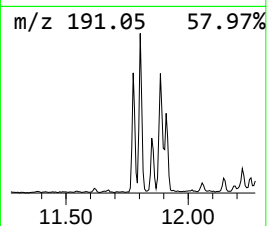
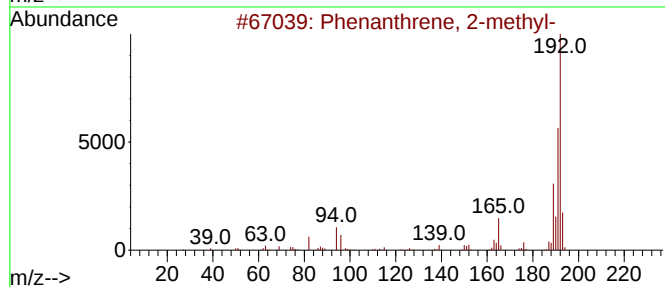
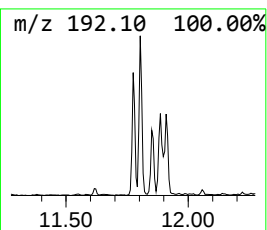
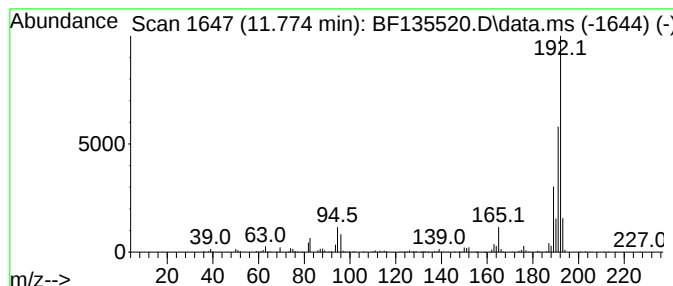
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.774	5.11 ng	210393	Phenanthrene-d10	11.275

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3			Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4			Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5			Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	89



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092923\
Data File : BF135520.D
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Misc :
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Instrument :
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ClientSampleId :
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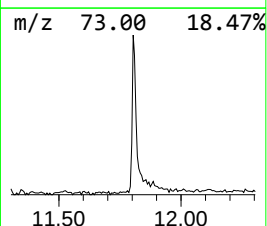
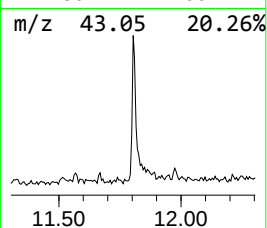
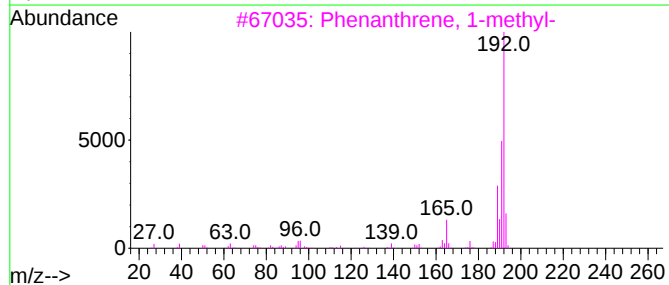
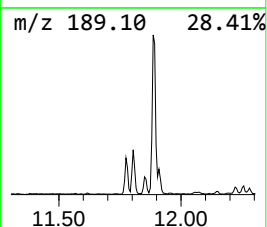
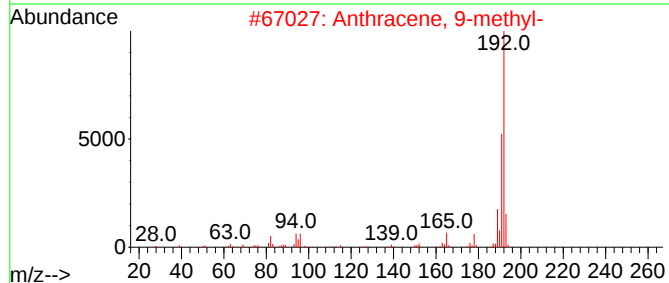
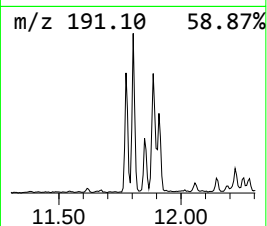
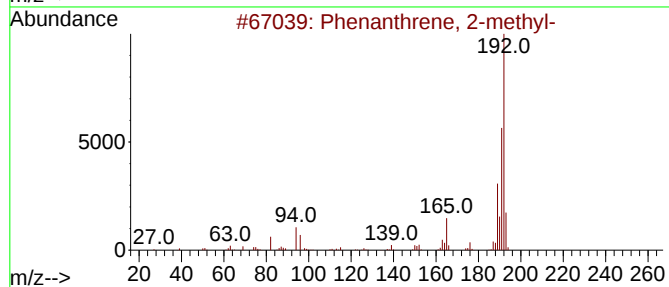
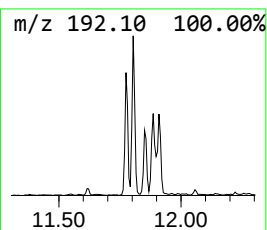
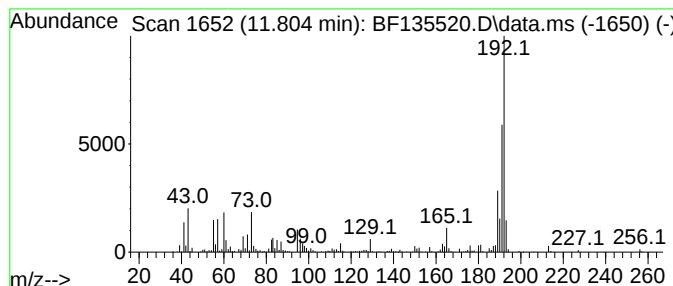
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Anthracene, 9-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.804	10.90 ng	449096	Phenanthrene-d10	11.275

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2			Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092923\
Data File : BF135520.D
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ALS Vial : 13 Sample Multiplier: 1

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ClientSampleId :
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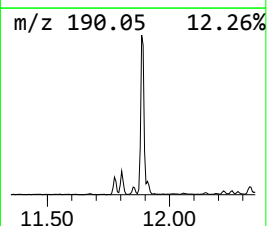
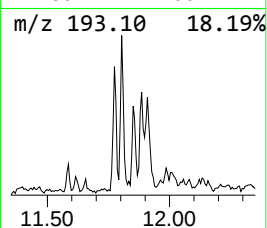
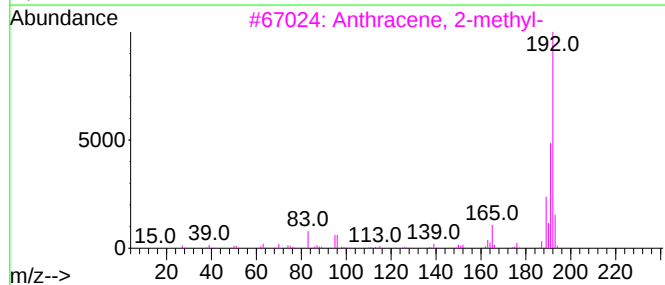
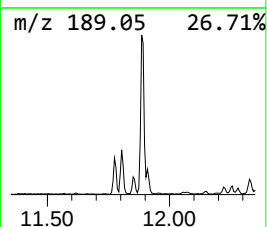
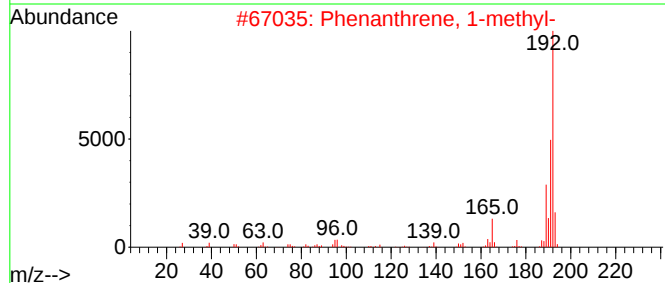
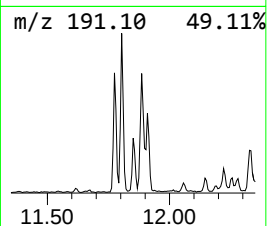
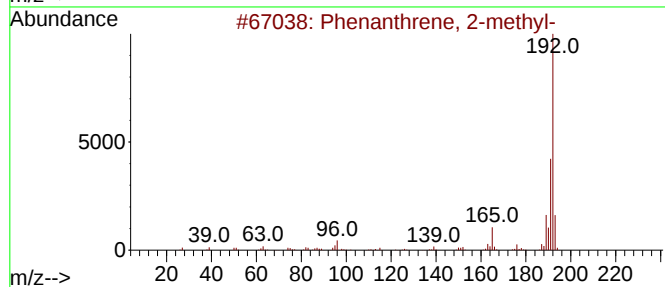
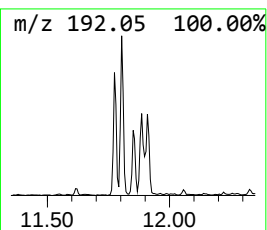
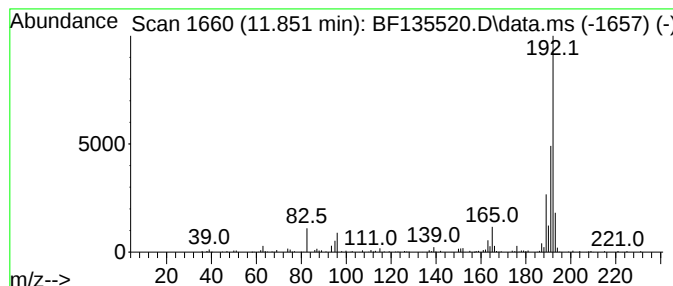
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.851	2.93 ng	120569	Phenanthrene-d10	11.275

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092923\
Data File : BF135520.D
Acq On : 29 Sep 2023 17:15
Operator : CG\JU
Sample : 04636-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

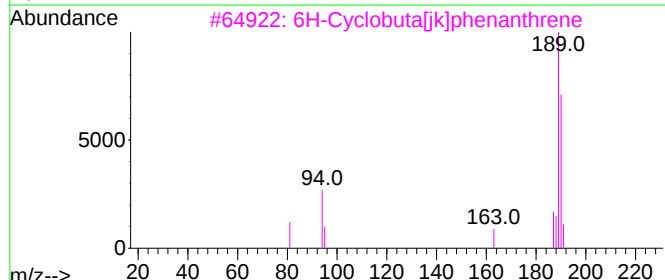
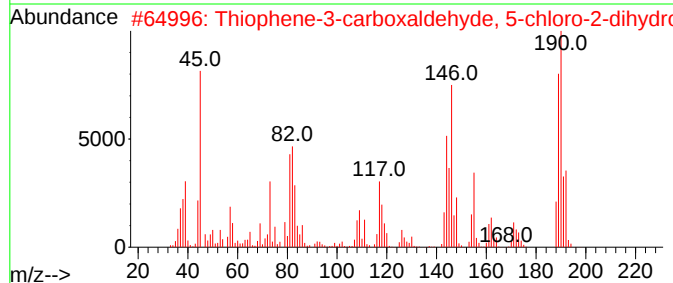
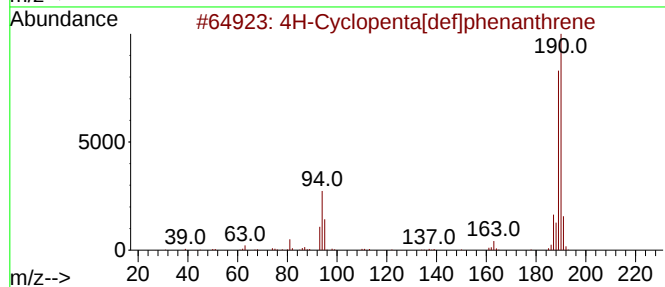
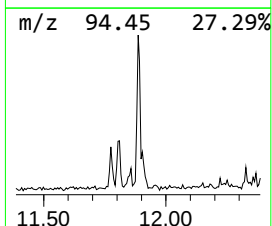
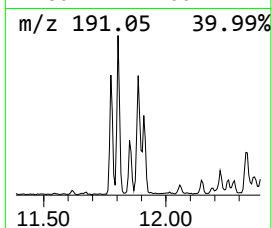
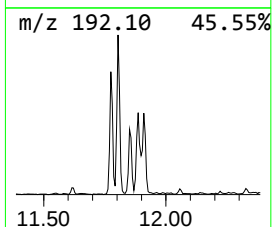
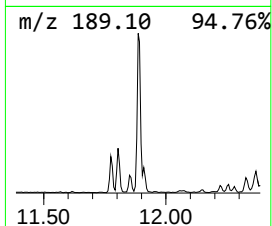
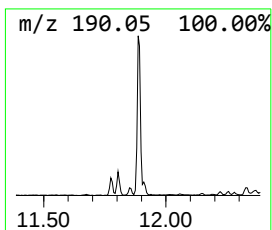
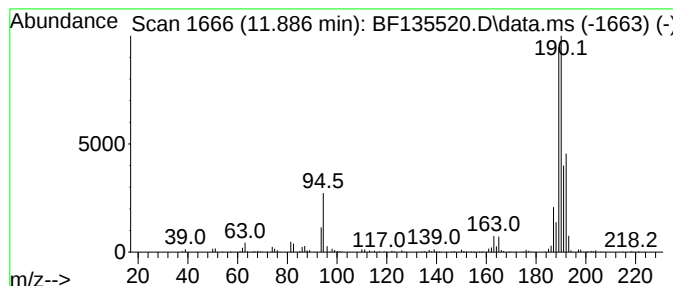
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ClientSampleId :
OR-03-09272023

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD			R.T.
11.886	11.18 ng	460288	Phenanthrene-d10			11.275
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene		190	C15H10	000203-64-5	95
2	Thiophene-3-carboxaldehyde, 5-ch...		190	C5H4BClO3S	036155-87-0	53
3	6H-Cyclobuta[jk]phenanthrene		190	C15H10	083469-43-6	42
4	2,2'-Bis(4,5-dimethylimidazole)		190	C10H14N4	069286-06-2	40
5	Methyl diselenide		190	C2H6Se2	007101-31-7	35



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092923\
Data File : BF135520.D
Acq On : 29 Sep 2023 17:15
Operator : CG\JU
Sample : 04636-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-09272023

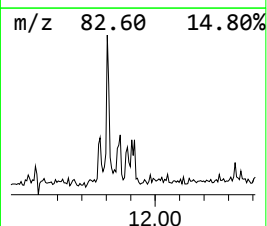
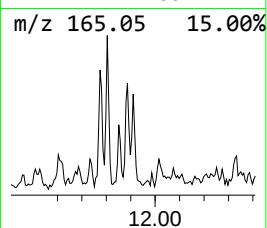
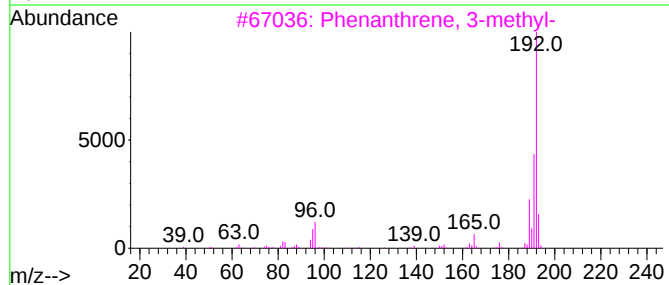
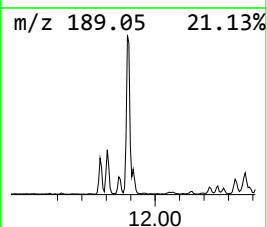
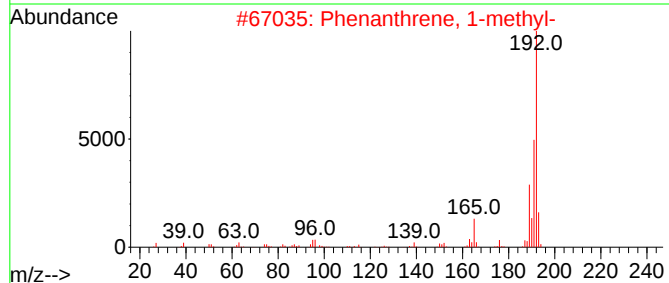
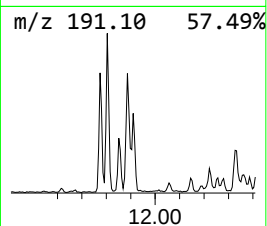
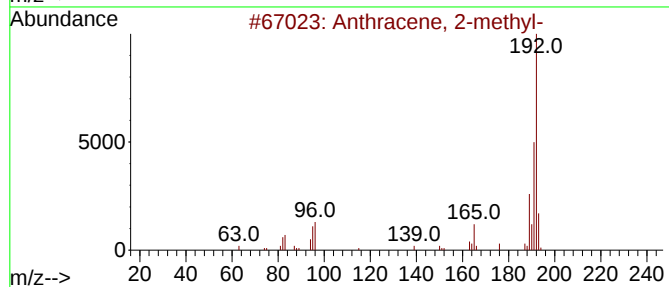
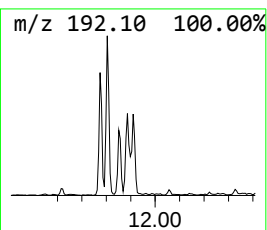
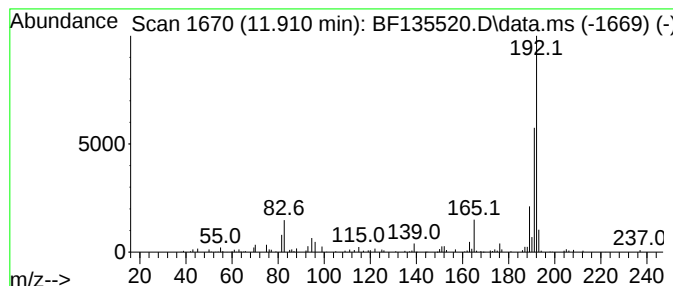
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Anthracene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.910	2.77 ng	114063	Phenanthrene-d10	11.275

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-methyl-	192	C15H12	000613-12-7	72
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	68
3			Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	68
4			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	68
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092923\
Data File : BF135520.D
Acq On : 29 Sep 2023 17:15
Operator : CG\JU
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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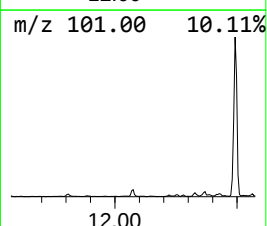
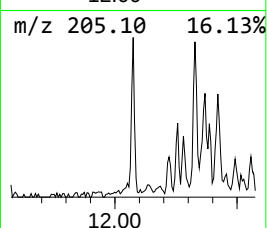
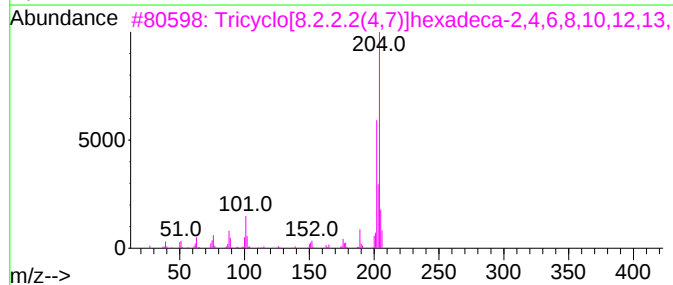
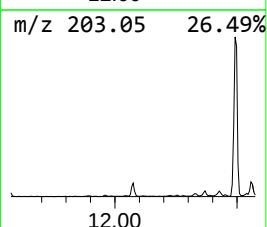
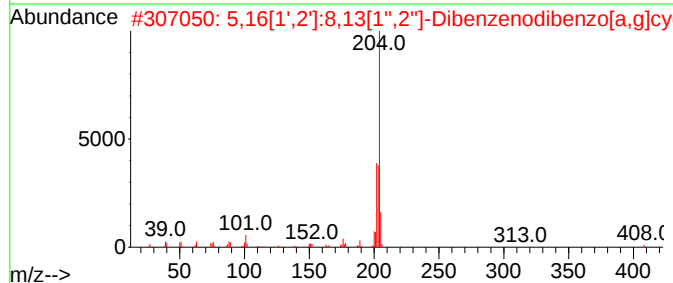
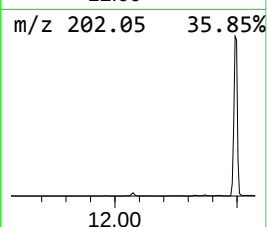
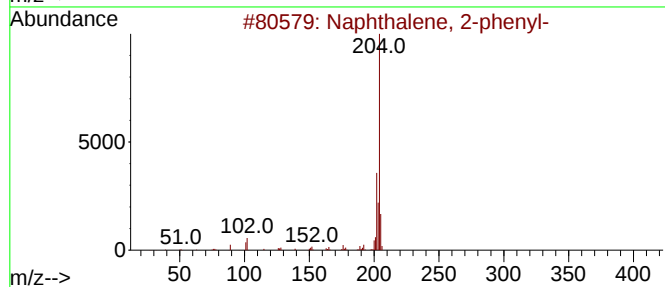
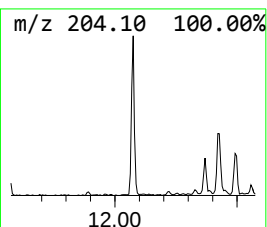
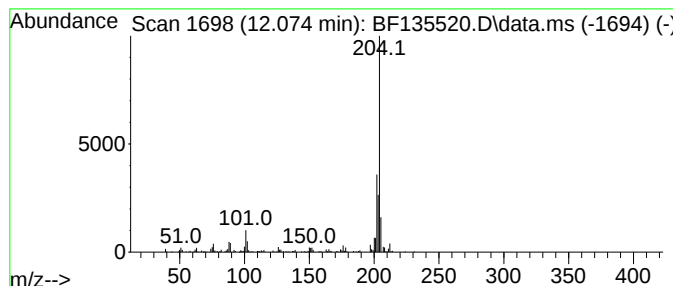
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.074	3.26 ng	134399	Phenanthrene-d10	11.275

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53
5		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092923\
Data File : BF135520.D
Acq On : 29 Sep 2023 17:15
Operator : CG\JU
Sample : 04636-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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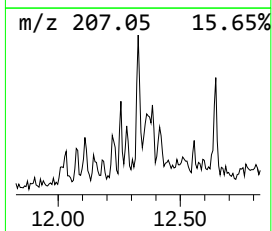
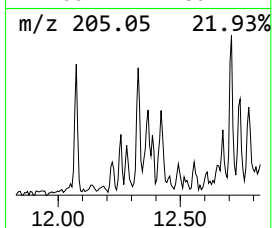
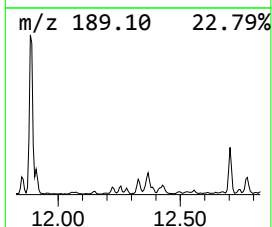
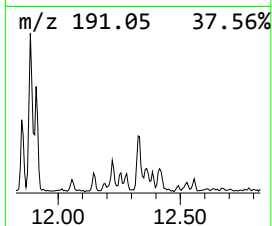
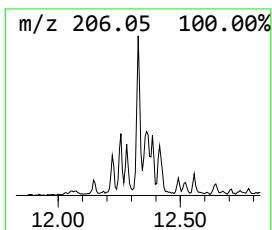
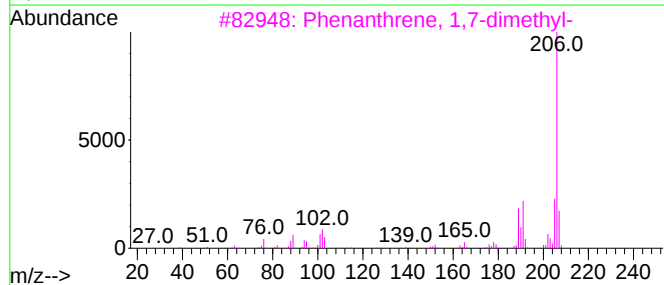
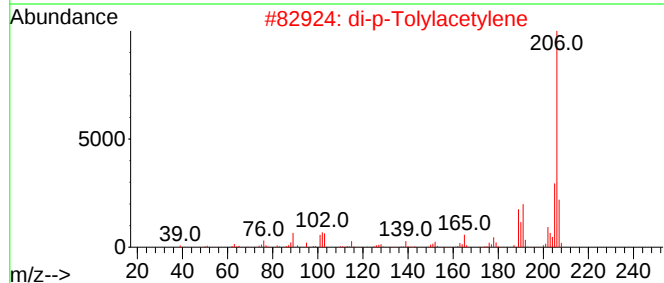
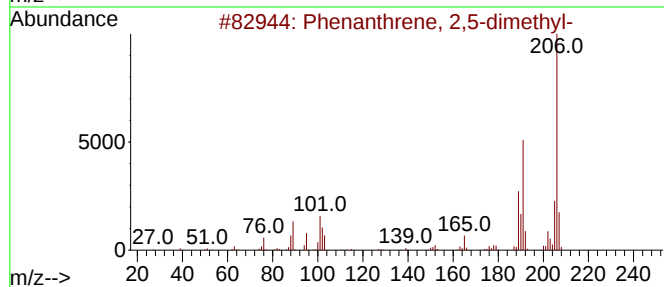
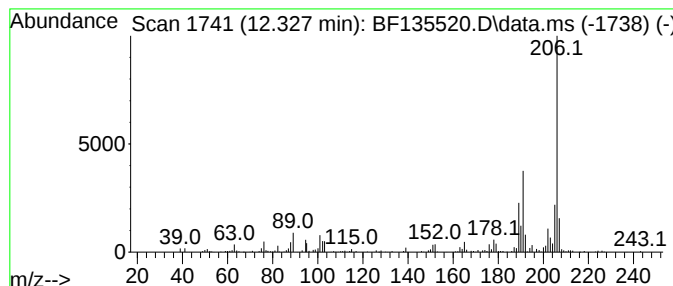
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.327	3.60 ng	148208	Phenanthrene-d10	11.275

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	95
3		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	95
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092923\
Data File : BF135520.D
Acq On : 29 Sep 2023 17:15
Operator : CG\JU
Sample : 04636-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-09272023

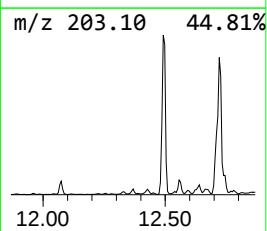
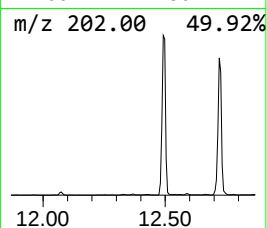
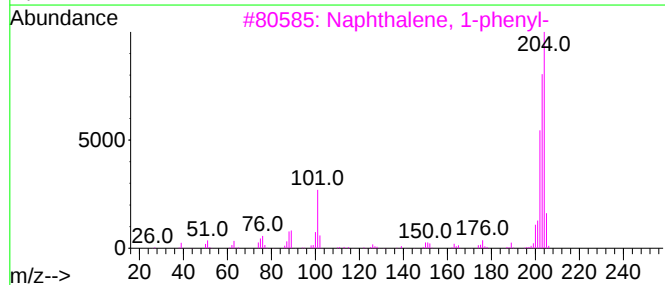
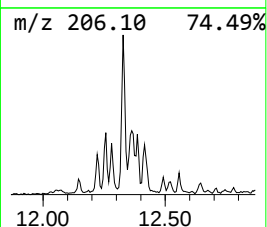
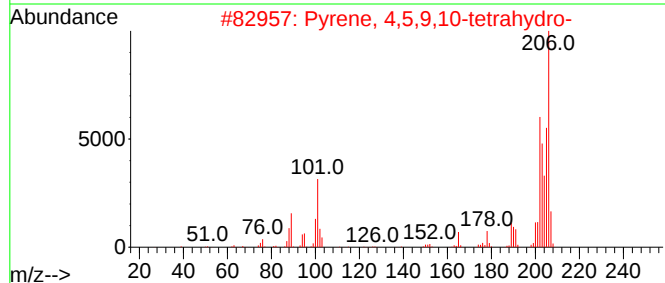
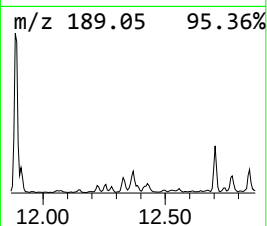
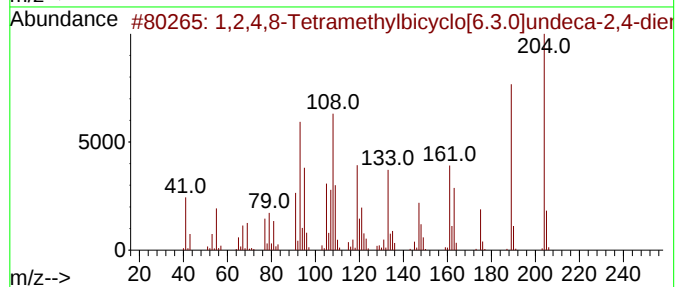
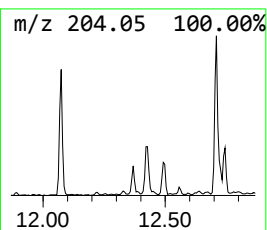
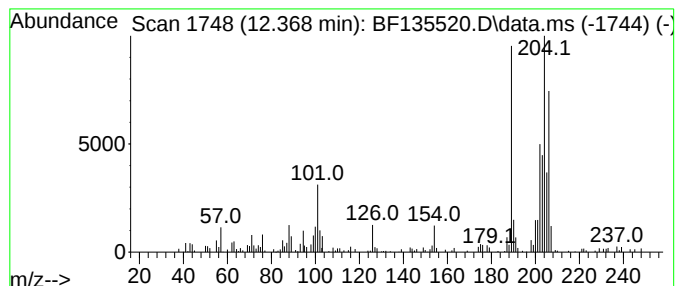
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 unknown12.368 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.368	2.68 ng	110278	Phenanthrene-d10	11.275

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,2,4,8-Tetramethylbicyclo[6.3.0...]	204	C15H24	137235-51-9	38
2			Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
3			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	35
4			2,3-Dimethoxy-5-aminocinnamionitrile	204	C11H12N2O2	1000214-46-5	35
5			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	30



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092923\
Data File : BF135520.D
Acq On : 29 Sep 2023 17:15
Operator : CG\JU
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-09272023

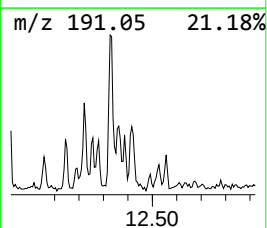
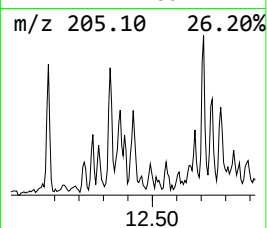
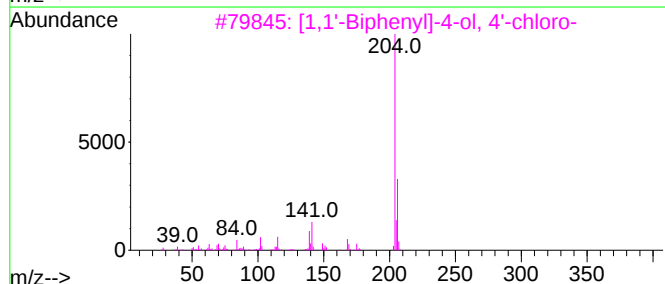
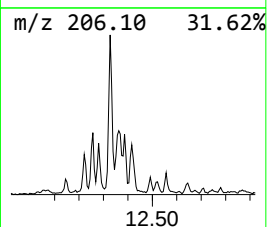
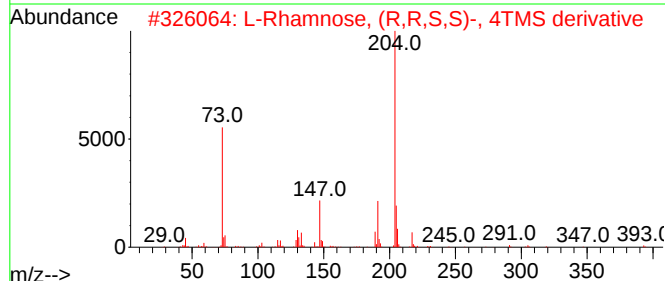
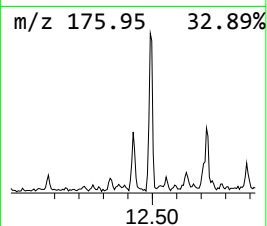
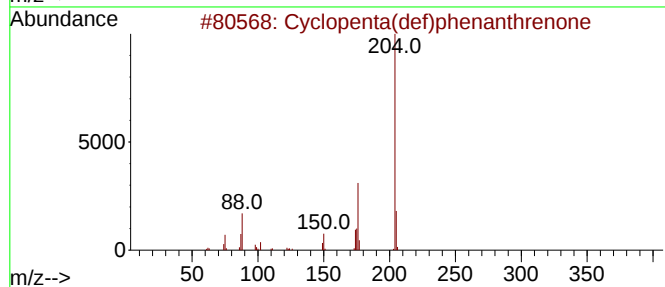
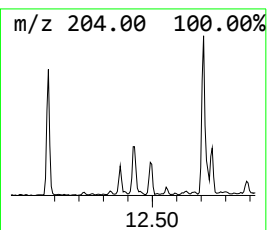
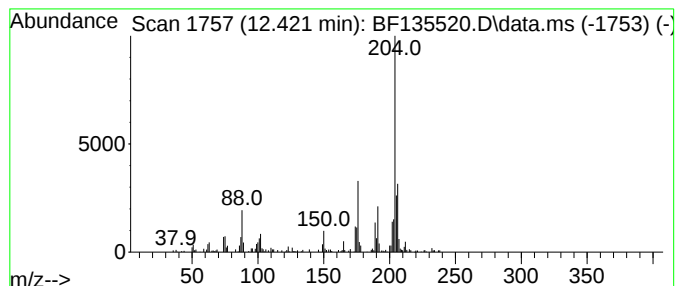
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.421	2.87 ng	118120	Phenanthrene-d10	11.275

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	60
2			L-Rhamnose, (R,R,S,S)-, 4TMS der...	452	C18H44O5Si4	108392-01-4	43
3			[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
4			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	43
5			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092923\
Data File : BF135520.D
Acq On : 29 Sep 2023 17:15
Operator : CG\JU
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Misc :
ALS Vial : 13 Sample Multiplier: 1

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ClientSampleId :
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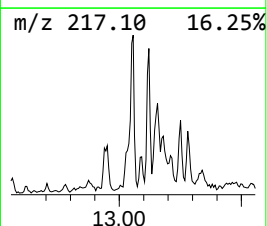
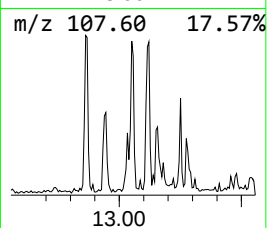
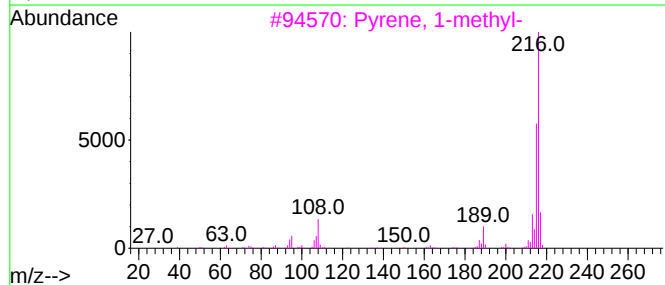
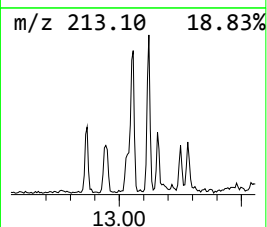
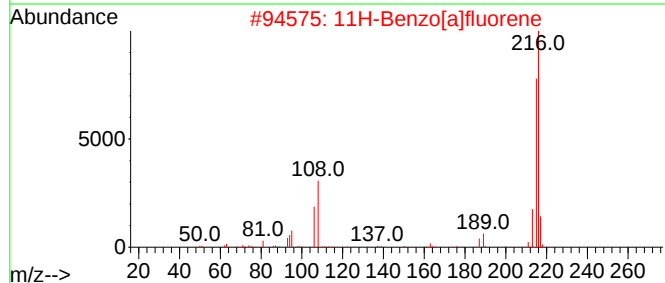
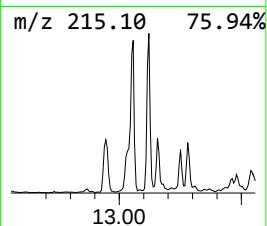
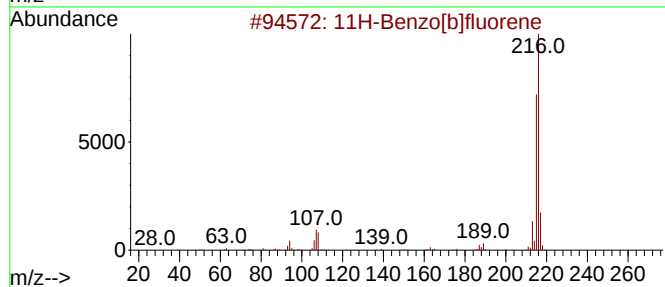
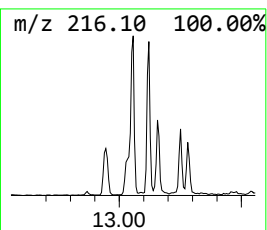
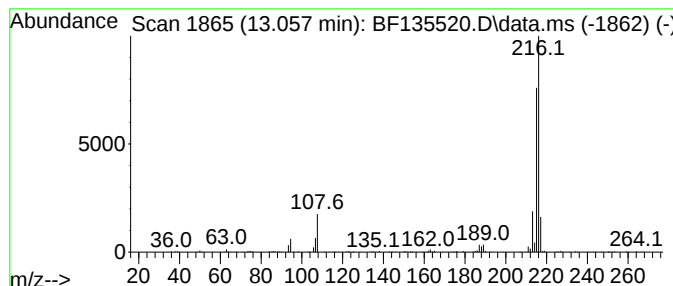
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.057	3.32 ng	333433	Chrysene-d12	13.933

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3		Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	68



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092923\
Data File : BF135520.D
Acq On : 29 Sep 2023 17:15
Operator : CG\JU
Sample : 04636-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-09272023

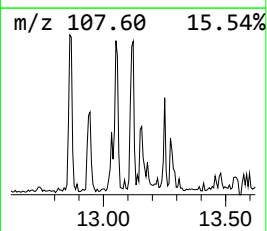
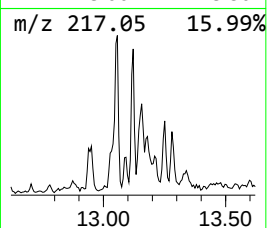
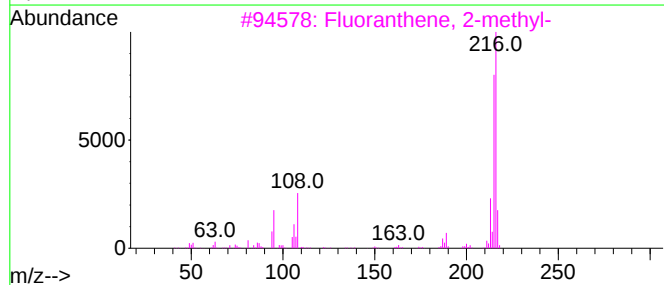
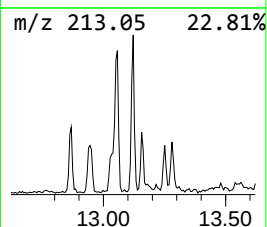
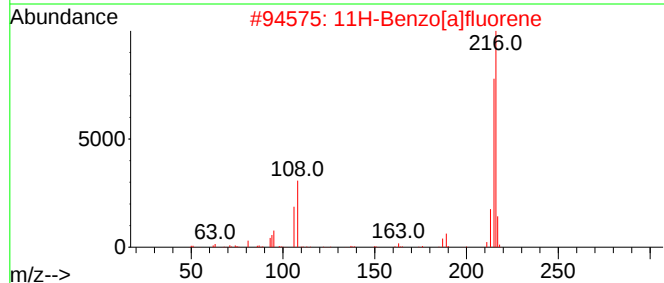
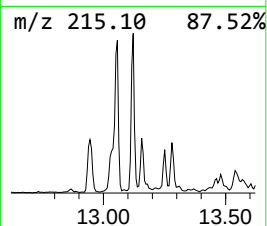
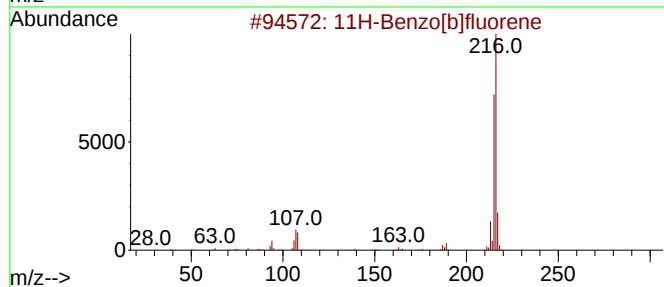
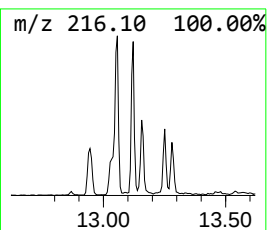
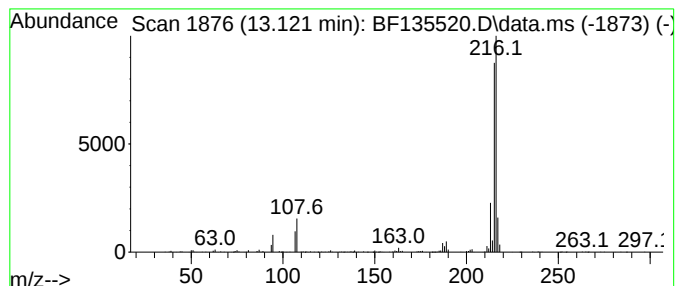
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 11H-Benzo[a]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.121	2.61 ng	262020	Chrysene-d12	13.933

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
4		Pyrene, 2-methyl-	216	C17H12	003442-78-2	64
5		.beta.-Carboline, 1,2,3,4-tetrahydro-	260	C14H16N2O3	029573-11-3	56



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092923\
Data File : BF135520.D
Acq On : 29 Sep 2023 17:15
Operator : CG\JU
Sample : 04636-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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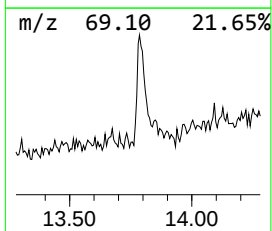
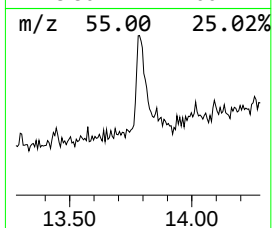
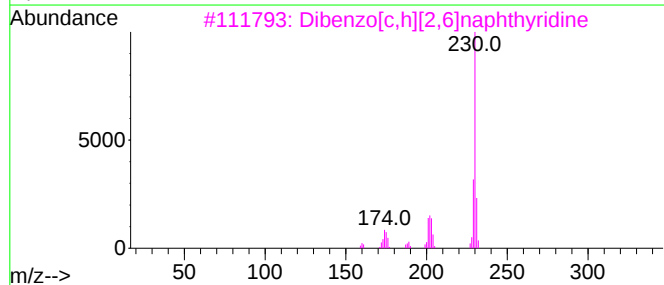
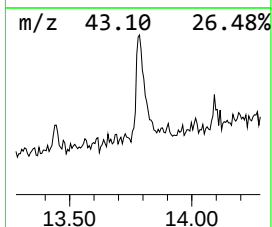
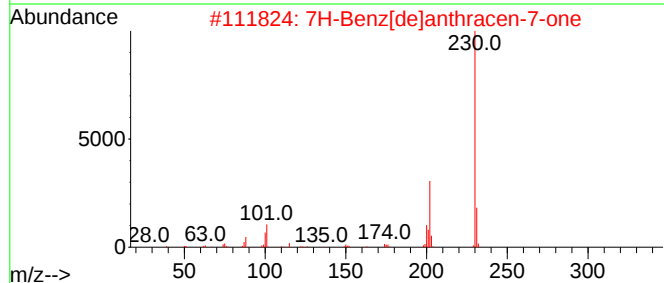
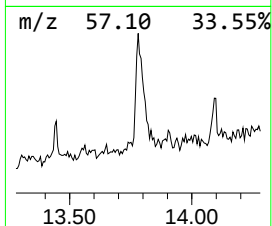
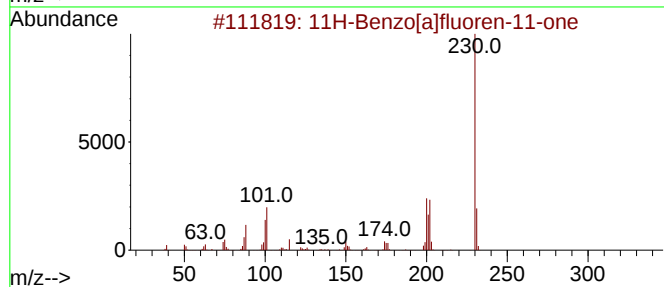
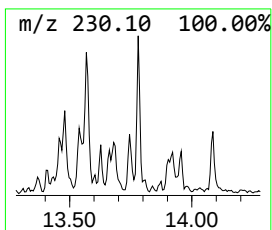
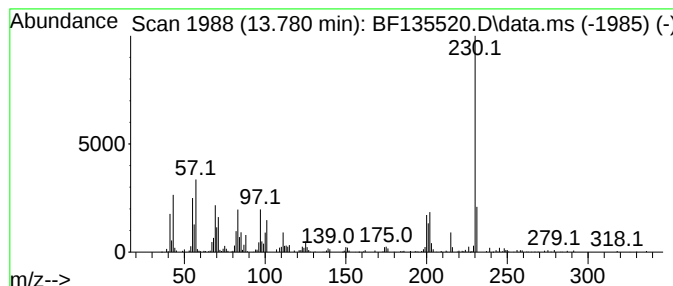
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.780	2.43 ng	244365	Chrysene-d12	13.933

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2			7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	86
3			Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	72
4			.delta.(sup1),.alpha.-Acenaphthe...	230	C15H6N2O	014619-86-4	58
5			Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092923\
Data File : BF135520.D
Acq On : 29 Sep 2023 17:15
Operator : CG\JU
Sample : 04636-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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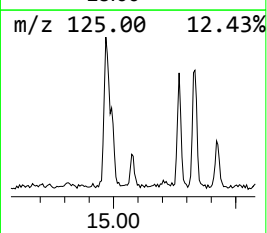
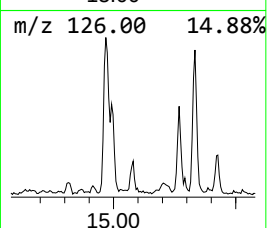
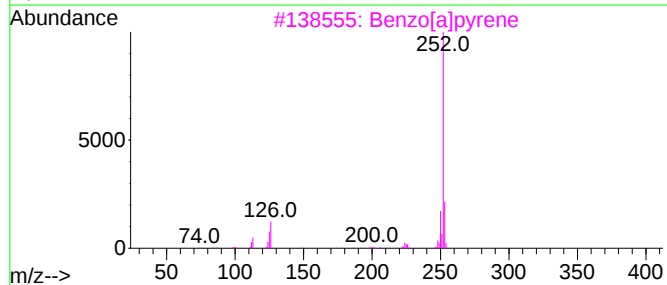
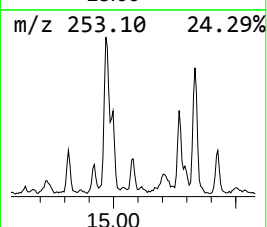
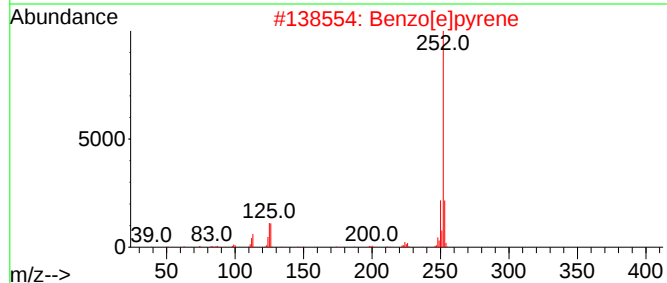
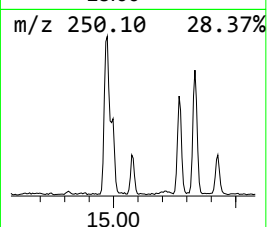
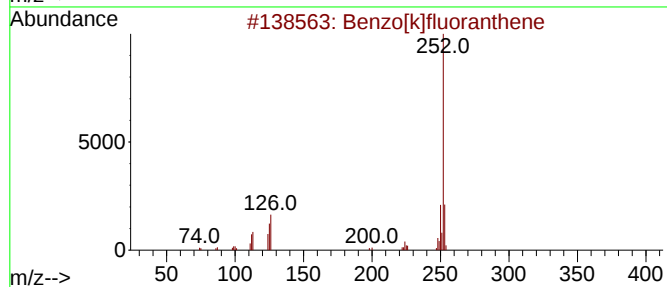
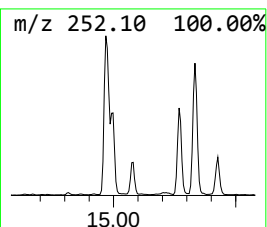
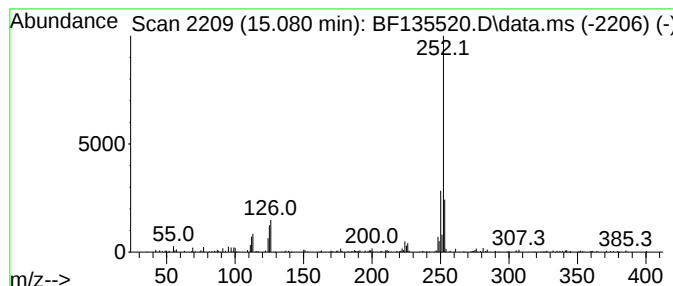
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.080	3.71 ng	111152	Perylene-d12	15.392

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
2		Benzo[e]pyrene	252	C20H12	000192-97-2	93
3		Benzo[a]pyrene	252	C20H12	000050-32-8	93
4		Benzo[b]fluoranthene	252	C20H12	000205-99-2	91
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	89



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092923\
Data File : BF135520.D
Acq On : 29 Sep 2023 17:15
Operator : CG\JU
Sample : 04636-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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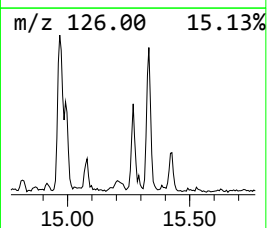
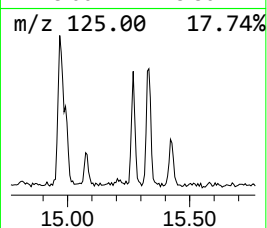
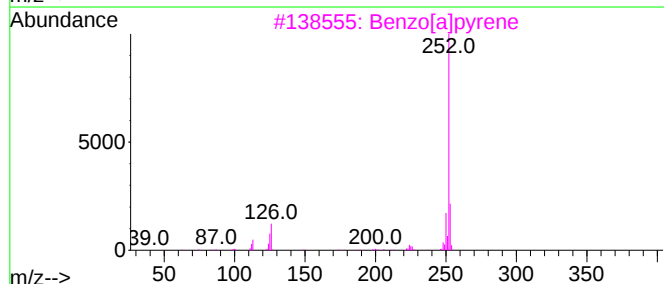
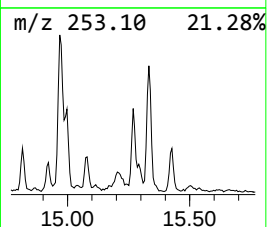
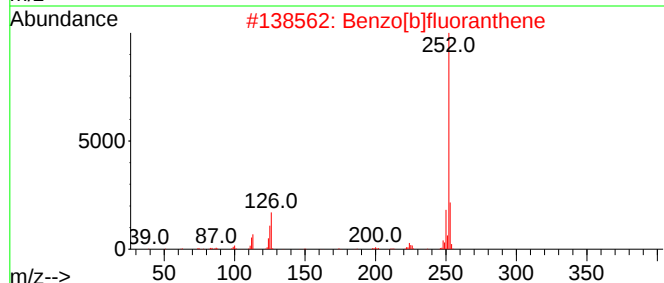
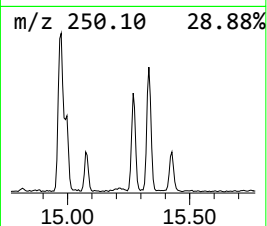
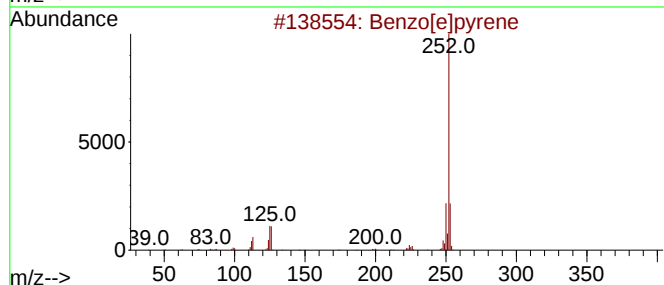
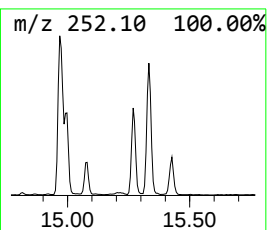
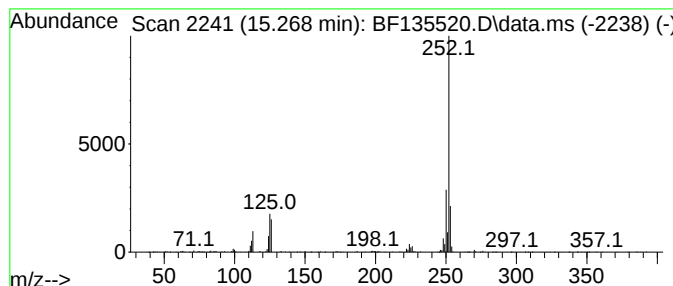
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.268	11.38 ng	340573	Perylene-d12	15.392

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[b]fluoranthene	252	C20H12	000205-99-2	97
3		Benzo[a]pyrene	252	C20H12	000050-32-8	97
4		Perylene	252	C20H12	000198-55-0	94
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092923\
 Data File : BF135520.D
 Acq On : 29 Sep 2023 17:15
 Operator : CG\JU
 Sample : 04636-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-09272023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Decane, 2,6,7-t...	8.445	2.8	ng	148485	2	8.022	1054810	20.0
Dodecane, 2,6,1...	9.045	2.6	ng	138411	3	9.780	1051410	20.0
Naphthalene, 2,...	9.439	2.5	ng	130504	3	9.780	1051410	20.0
Tritetracontane	9.504	3.0	ng	155884	3	9.780	1051410	20.0
9H-Fluorene, 1-...	10.880	2.5	ng	104982	4	11.275	823703	20.0
Dibenzothiophene	11.169	4.1	ng	167208	4	11.275	823703	20.0
Phenanthrene, 2...	11.774	5.1	ng	210393	4	11.275	823703	20.0
Anthracene, 9-m...	11.804	10.9	ng	449096	4	11.275	823703	20.0
Phenanthrene, 1...	11.851	2.9	ng	120569	4	11.275	823703	20.0
4H-Cyclopenta[d...	11.886	11.2	ng	460288	4	11.275	823703	20.0
Anthracene, 2-m...	11.910	2.8	ng	114063	4	11.275	823703	20.0
Naphthalene, 2-...	12.074	3.3	ng	134399	4	11.275	823703	20.0
Phenanthrene, 2...	12.327	3.6	ng	148208	4	11.275	823703	20.0
unknown12.368	12.368	2.7	ng	110278	4	11.275	823703	20.0
Cyclopenta(def)...	12.421	2.9	ng	118120	4	11.275	823703	20.0
11H-Benzo[b]flu...	13.057	3.3	ng	333433	5	13.933	2008550	20.0
11H-Benzo[a]flu...	13.121	2.6	ng	262020	5	13.933	2008550	20.0
11H-Benzo[a]flu...	13.780	2.4	ng	244365	5	13.933	2008550	20.0
Benzo[e]pyrene	15.080	3.7	ng	111152	6	15.392	598792	20.0
Perylene	15.268	11.4	ng	340573	6	15.392	598792	20.0