

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
 Data File : BF123999.D
 Acq On : 19 May 2021 20:03
 Operator : JU/CG
 Sample : M2437-08 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

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-BF051421.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF123999.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.128	3	7	13	rVB	87607	110305	6.25%	0.548%
2	5.504	576	581	589	rBB	184918	185792	10.52%	0.923%
3	6.516	749	753	757	rBV	244612	194632	11.02%	0.966%
4	6.904	815	819	822	rBV	437505	318023	18.01%	1.579%
5	7.457	910	913	917	rVB	160244	126612	7.17%	0.629%
6	8.186	1030	1037	1039	rBV	502221	418840	23.72%	2.080%
7	8.210	1039	1041	1044	rVB	131808	95664	5.42%	0.475%
8	8.898	1155	1158	1163	rVB	68151	55032	3.12%	0.273%
9	8.998	1172	1175	1179	rVB	59331	46772	2.65%	0.232%
10	9.257	1216	1219	1223	rBV	238320	207581	11.76%	1.031%
11	9.604	1274	1278	1280	rBV2	41789	43645	2.47%	0.217%
12	9.804	1307	1312	1315	rBV	67146	57269	3.24%	0.284%
13	9.945	1332	1336	1339	rVV	514145	416236	23.58%	2.067%
14	9.974	1339	1341	1344	rVB	169731	119693	6.78%	0.594%
15	10.145	1366	1370	1374	rBV	136641	114909	6.51%	0.571%
16	10.492	1425	1429	1434	rBV	187924	171789	9.73%	0.853%
17	10.557	1434	1440	1442	rBV3	34197	42362	2.40%	0.210%
18	10.645	1453	1455	1460	rVB	48916	45030	2.55%	0.224%
19	10.727	1464	1469	1474	rBV	192553	183976	10.42%	0.914%
20	10.857	1485	1491	1494	rVB4	31350	42203	2.39%	0.210%
21	11.039	1513	1522	1524	rBV3	43560	70425	3.99%	0.350%
22	11.163	1539	1543	1545	rBV4	25515	33219	1.88%	0.165%
23	11.233	1551	1555	1560	rVB	103313	86046	4.87%	0.427%
24	11.292	1560	1565	1568	rBV5	32378	61035	3.46%	0.303%
25	11.327	1568	1571	1574	rVB	95104	75662	4.29%	0.376%
26	11.433	1585	1589	1591	rBV	410111	457869	25.93%	2.274%
27	11.457	1591	1593	1596	rVV	1607293	1483236	84.01%	7.365%
28	11.486	1596	1598	1599	rVV2	44088	38532	2.18%	0.191%
29	11.504	1599	1601	1604	rVV	416138	353392	20.02%	1.755%
30	11.533	1604	1606	1610	rVB2	45010	45446	2.57%	0.226%
31	11.657	1621	1627	1630	rBV2	218987	220807	12.51%	1.096%
32	11.727	1634	1639	1641	rVV4	38651	43900	2.49%	0.218%
33	11.763	1641	1645	1649	rVB4	42565	49744	2.82%	0.247%
34	11.933	1668	1674	1676	rBV	226265	211594	11.98%	1.051%
35	11.963	1676	1679	1683	rVV	276387	262516	14.87%	1.304%
36	12.010	1683	1687	1689	rVV	96787	95754	5.42%	0.475%

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37	12.045	1689	1693	1695	rVV	319220	333748	18.90%	1.657%
38	12.068	1695	1697	1699	rVB	154476	116914	6.62%	0.581%
39	12.227	1721	1724	1726	rBV	155696	131668	7.46%	0.654%
40	12.251	1726	1728	1732	rVB	156373	124079	7.03%	0.616%

41	12.374	1744	1749	1752	rBV3	54600	61036	3.46%	0.303%
42	12.410	1752	1755	1756	rVV	38960	36838	2.09%	0.183%
43	12.433	1756	1759	1763	rVB3	44100	42460	2.40%	0.211%
44	12.486	1763	1768	1770	rBV	120056	142373	8.06%	0.707%
45	12.521	1770	1774	1776	rVV2	71946	86939	4.92%	0.432%

46	12.568	1779	1782	1787	rVB2	110499	121644	6.89%	0.604%
47	12.651	1791	1796	1799	rBV	1965588	1739939	98.55%	8.640%
48	12.710	1804	1806	1809	rVB4	45576	37474	2.12%	0.186%
49	12.774	1814	1817	1819	rBV3	45072	62121	3.52%	0.308%
50	12.798	1819	1821	1824	rVB	49865	40930	2.32%	0.203%

51	12.880	1828	1835	1838	rBV	1599401	1765574	100.00%	8.767%
52	12.921	1840	1842	1848	rVB2	82930	92990	5.27%	0.462%
53	12.992	1850	1854	1856	rBV	109386	116559	6.60%	0.579%
54	13.015	1856	1858	1860	rBV	147597	127906	7.24%	0.635%
55	13.092	1865	1871	1874	rBV2	114297	199582	11.30%	0.991%

56	13.121	1874	1876	1879	rVB	50404	39358	2.23%	0.195%
57	13.180	1879	1886	1887	rBV5	99681	143089	8.10%	0.711%
58	13.204	1887	1890	1893	rVB	239726	228379	12.94%	1.134%
59	13.268	1898	1901	1904	rBV	148257	117067	6.63%	0.581%
60	13.304	1904	1907	1910	rVV2	164183	169895	9.62%	0.844%

61	13.333	1910	1912	1915	rVB3	61499	48626	2.75%	0.241%
62	13.363	1915	1917	1921	rBV4	42907	41598	2.36%	0.207%
63	13.398	1921	1923	1926	rBV	98526	80732	4.57%	0.401%
64	13.427	1926	1928	1932	rBV	87981	84254	4.77%	0.418%
65	13.510	1938	1942	1945	rVB6	29965	40488	2.29%	0.201%

66	13.580	1951	1954	1955	rBV2	35823	38855	2.20%	0.193%
67	13.710	1969	1976	1980	rVV	151683	195655	11.08%	0.972%
68	13.821	1990	1995	1998	rBV2	130674	183975	10.42%	0.914%
69	13.851	1998	2000	2002	rVV	160675	130017	7.36%	0.646%
70	13.874	2002	2004	2008	rVV2	113127	163079	9.24%	0.810%

71	13.915	2008	2011	2018	rVB2	195383	207217	11.74%	1.029%
72	13.992	2019	2024	2028	rBV	36030	56169	3.18%	0.279%
73	14.068	2030	2037	2041	rVV3	1003341	1405510	79.61%	6.979%
74	14.104	2041	2043	2048	rVB	832018	669071	37.90%	3.322%
75	14.180	2053	2056	2058	rVV	92919	65581	3.71%	0.326%

76	14.257	2067	2069	2072	rVB2	67326	66227	3.75%	0.329%
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77	14.298	2072	2076	2079	rVV2	79728	97012	5.49%	0.482%
78	14.398	2089	2093	2095	rBV5	34812	44719	2.53%	0.222%
79	14.421	2095	2097	2099	rBV2	42414	36901	2.09%	0.183%
80	14.462	2099	2104	2106	rVV	148339	170685	9.67%	0.848%
81	14.492	2106	2109	2112	rVB	98979	88619	5.02%	0.440%
82	14.557	2114	2120	2122	rVB4	67840	111717	6.33%	0.555%
83	14.586	2122	2125	2127	rBV2	81656	78365	4.44%	0.389%
84	14.609	2127	2129	2132	rVB3	78896	71433	4.05%	0.355%
85	14.657	2133	2137	2143	rVB5	57961	121845	6.90%	0.605%
86	14.709	2143	2146	2149	rBV5	26118	38427	2.18%	0.191%
87	14.768	2153	2156	2160	rBV4	43325	52280	2.96%	0.260%
88	15.033	2198	2201	2204	rBV4	25858	34076	1.93%	0.169%
89	15.133	2213	2218	2221	rBV	447443	742686	42.06%	3.688%
90	15.239	2233	2236	2240	rVB2	106108	111840	6.33%	0.555%
91	15.445	2266	2271	2277	rVB	268166	387782	21.96%	1.926%
92	15.509	2277	2282	2288	rVV	403742	505081	28.61%	2.508%
93	15.568	2288	2292	2295	rVV	213217	277528	15.72%	1.378%
94	15.604	2295	2298	2305	rVB2	131552	198537	11.24%	0.986%
95	16.151	2387	2391	2395	rVB6	37672	46762	2.65%	0.232%
96	17.080	2543	2549	2558	rVB3	166926	335583	19.01%	1.666%
97	17.262	2575	2580	2586	rBV3	32652	70450	3.99%	0.350%
98	17.321	2586	2590	2592	rBV4	24022	35555	2.01%	0.177%
99	17.533	2620	2626	2635	rVB2	123740	251757	14.26%	1.250%
100	17.768	2660	2666	2674	rVB3	37473	87300	4.94%	0.434%

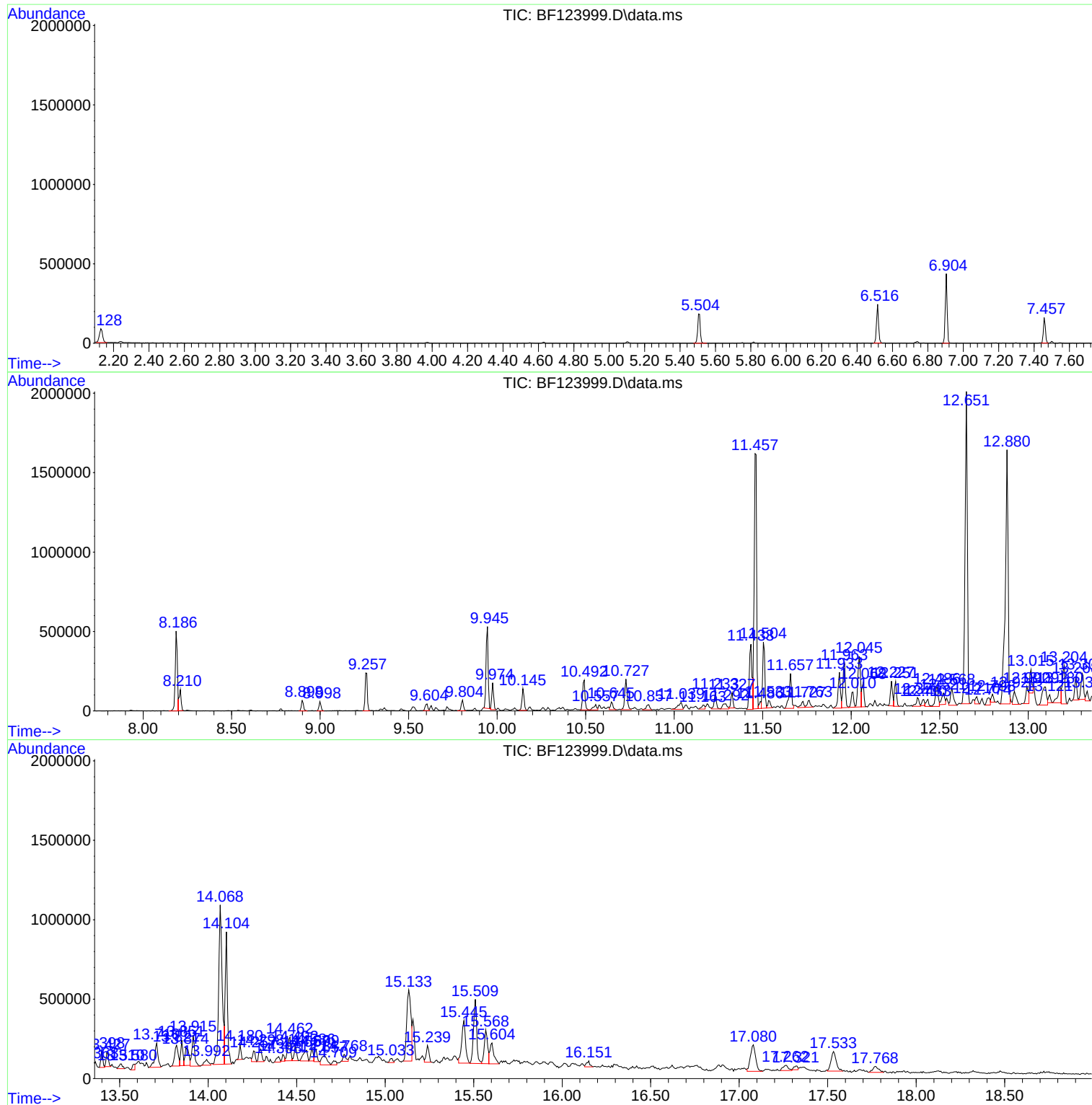
Sum of corrected areas: 20138098

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Instrument :
BNA_F
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TP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
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Instrument :
BNA_F
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TP-3

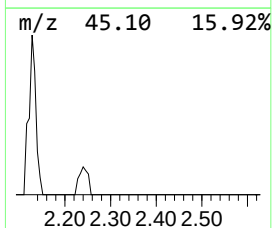
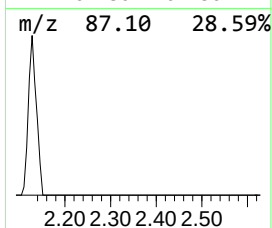
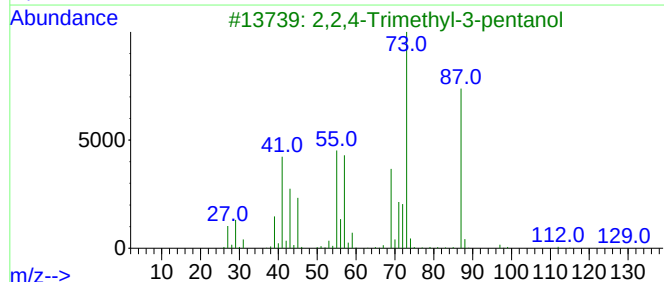
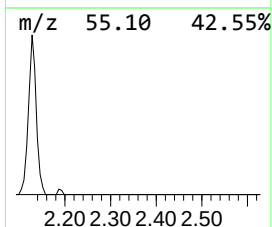
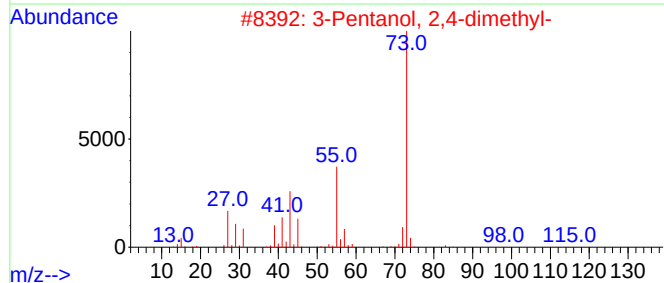
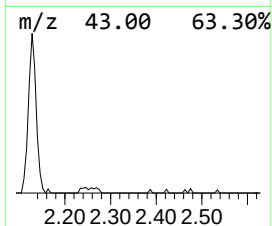
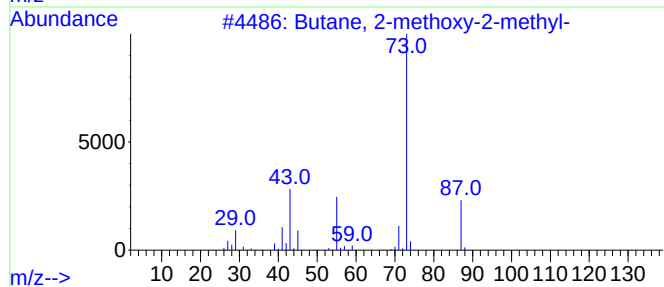
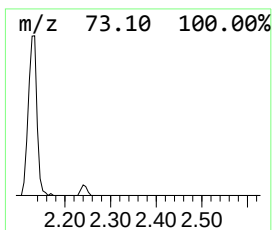
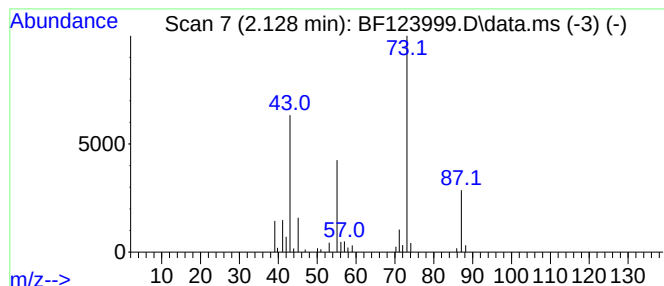
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.128	6.94 ng	110305	1,4-Dichlorobenzene-d4	6.904

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2			3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	43
3			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
4			3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	38
5			2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	37



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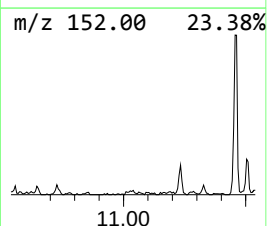
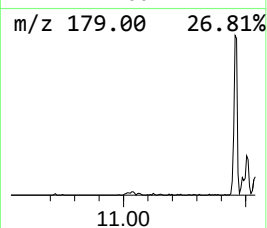
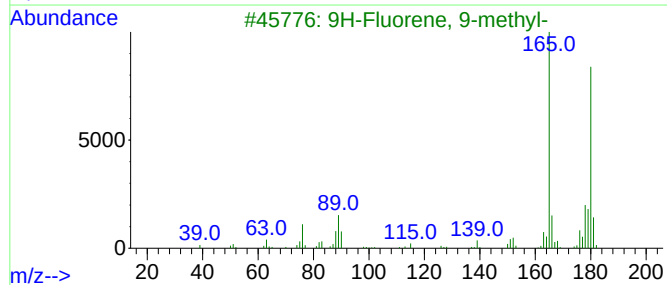
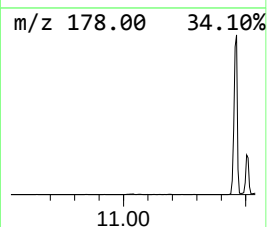
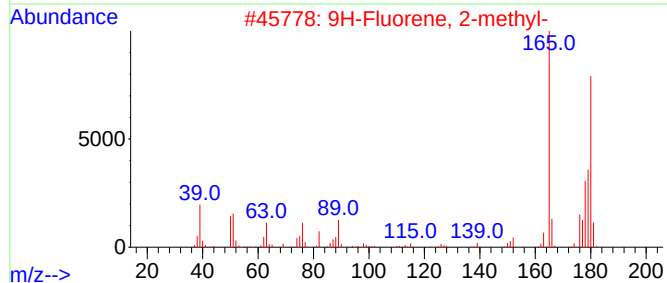
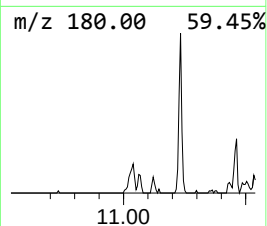
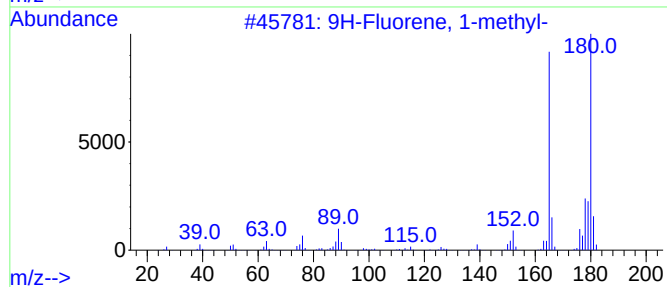
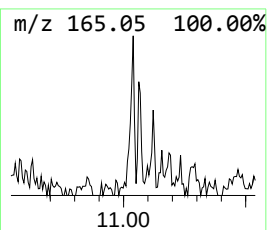
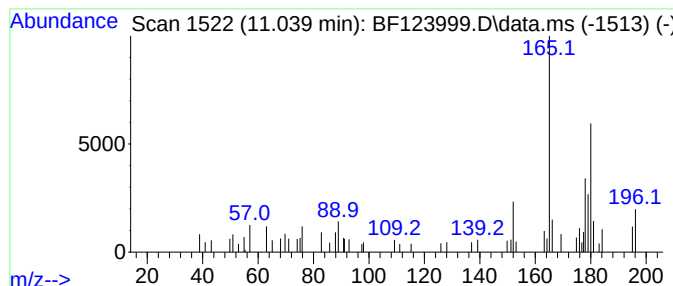
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 9H-Fluorene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.039	3.08 ng	70425	Phenanthrene-d10	11.433

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	64
2		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	64
3		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	60
4		3H-Benz[e]indene, 2-methyl-	180	C14H12	150096-60-9	58
5		4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	53



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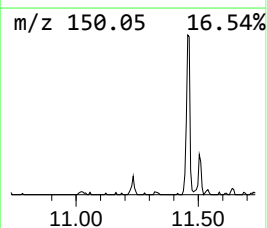
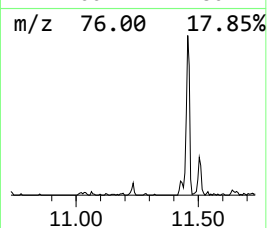
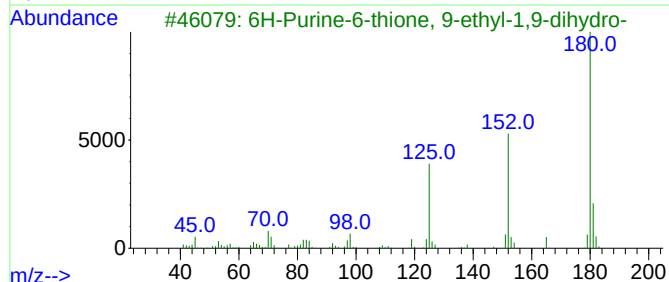
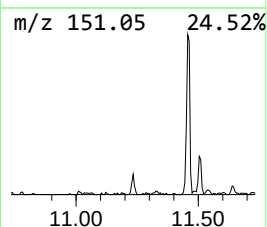
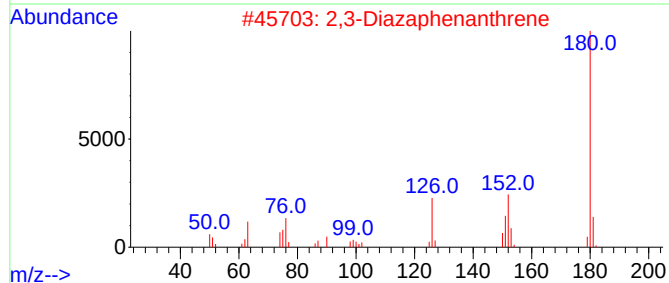
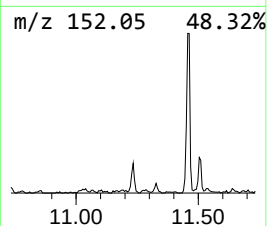
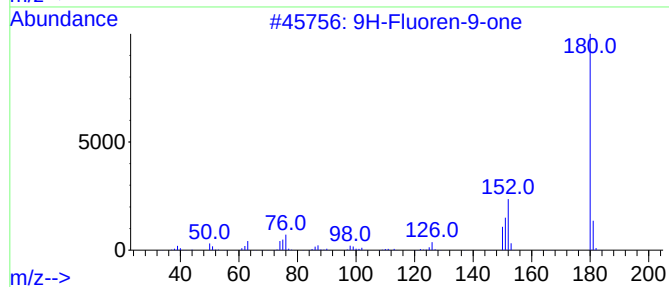
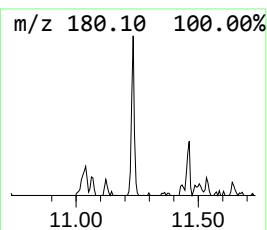
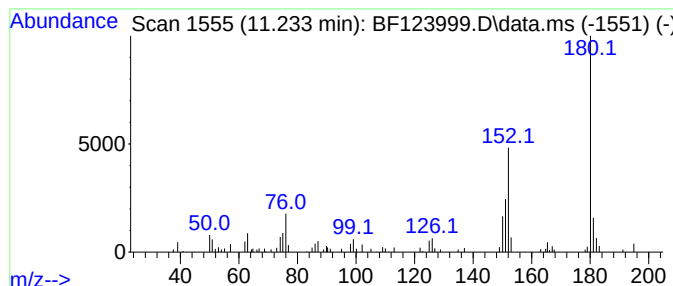
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 9H-Fluoren-9-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.233	3.76 ng	86046	Phenanthrene-d10	11.433

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
2			2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	59
3			6H-Purine-6-thione, 9-ethyl-1,9-...	180	C7H8N4S	005427-20-3	59
4			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	58
5			6-Ethylthio-1,2,4-triazolo(4,3-b...	180	C7H8N4S	079979-66-1	53



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Data File : BF123999.D
Acq On : 19 May 2021 20:03
Operator : JU/CG
Sample : M2437-08 5X
Misc :
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Instrument :
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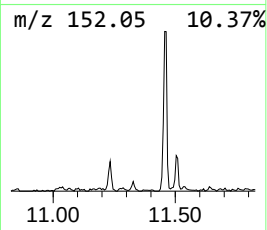
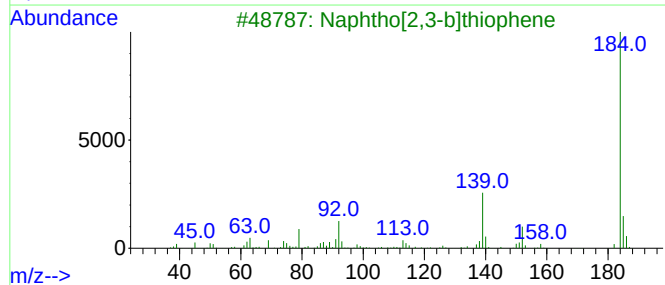
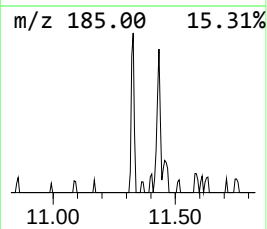
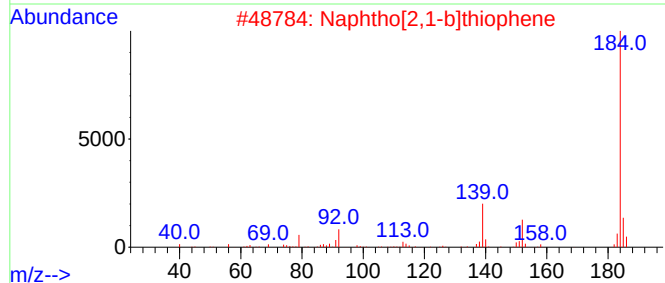
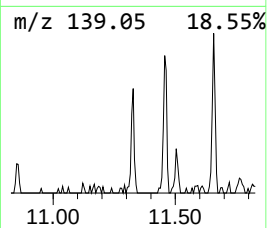
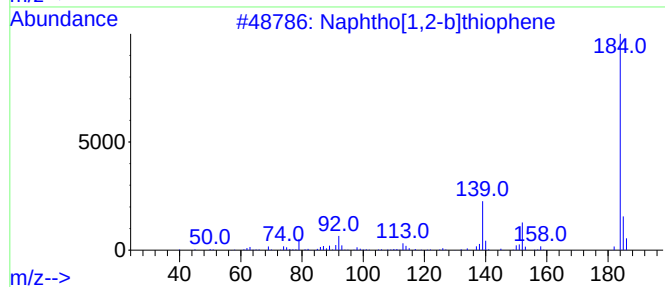
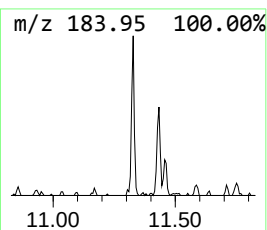
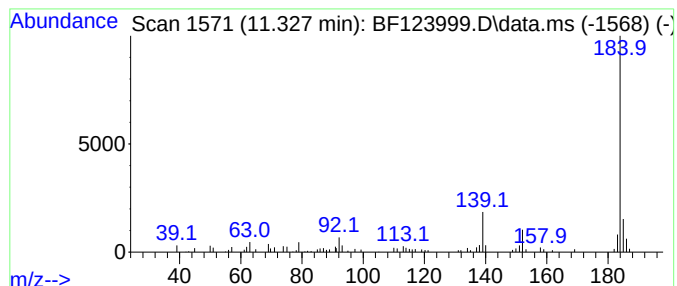
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphtho[1,2-b]thiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.327	3.30 ng	75662	Phenanthrene-d10	11.433

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	96
2			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
3			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	96
4			Dibenzothiophene	184	C12H8S	000132-65-0	94
5			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
Data File : BF123999.D
Acq On : 19 May 2021 20:03
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Sample : M2437-08 5X
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ClientSampleId :
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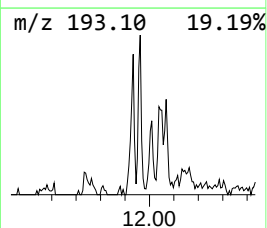
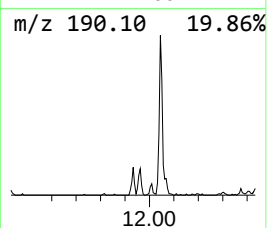
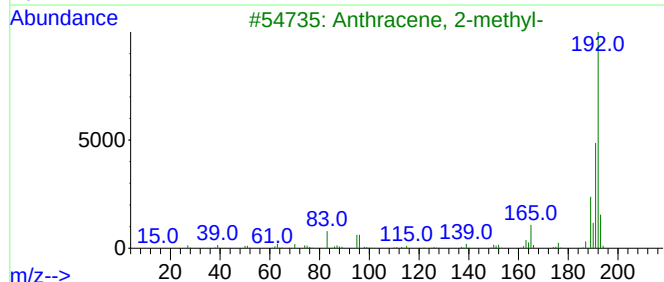
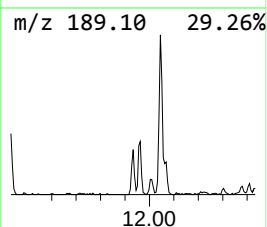
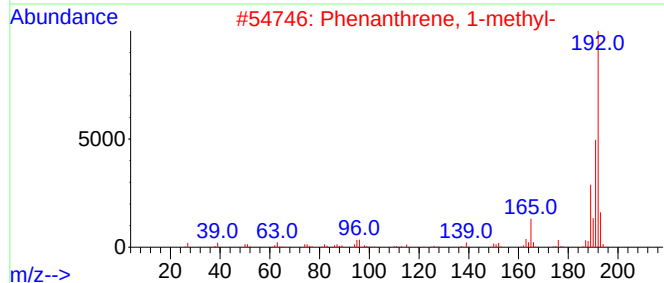
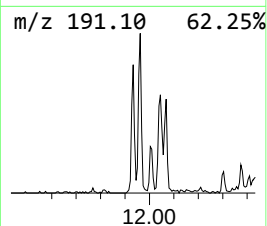
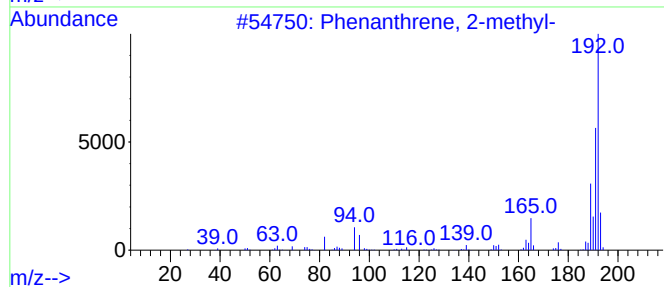
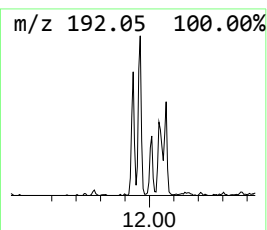
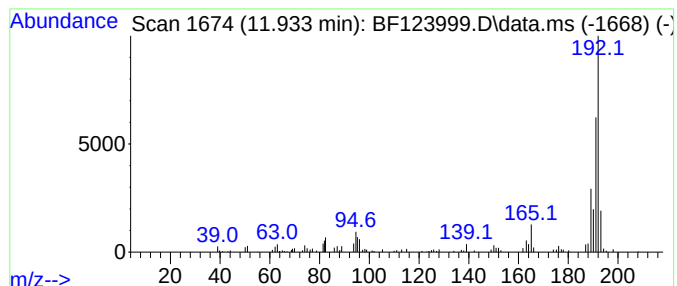
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	9.24 ng	211594	Phenanthrene-d10	11.433

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			Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5			Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
Data File : BF123999.D
Acq On : 19 May 2021 20:03
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Sample : M2437-08 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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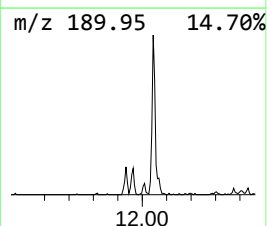
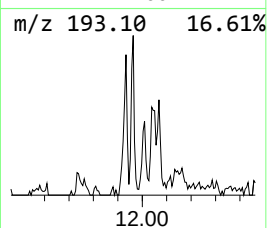
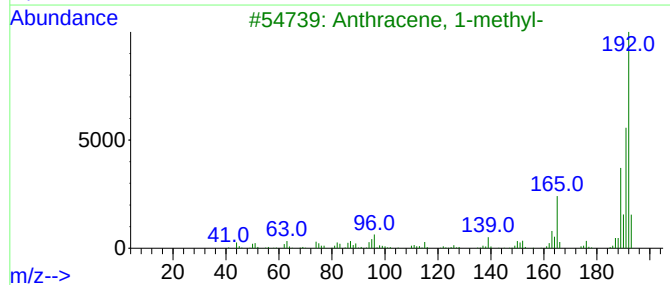
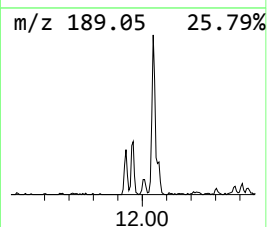
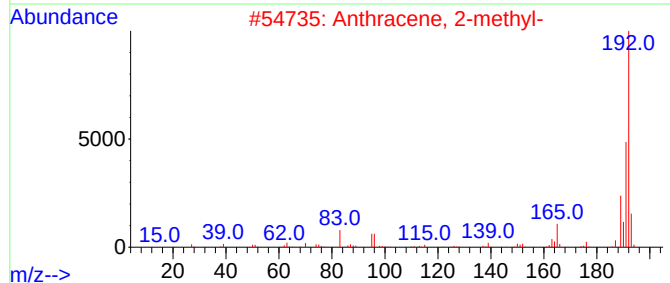
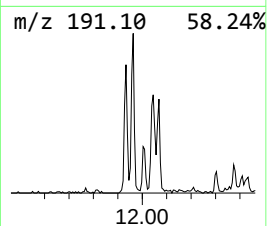
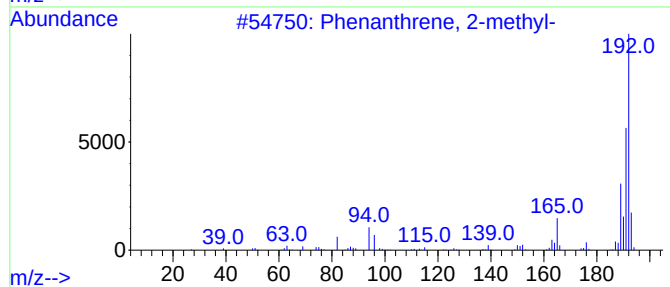
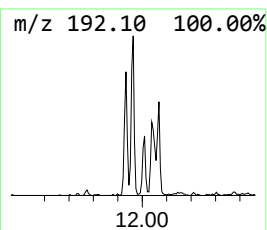
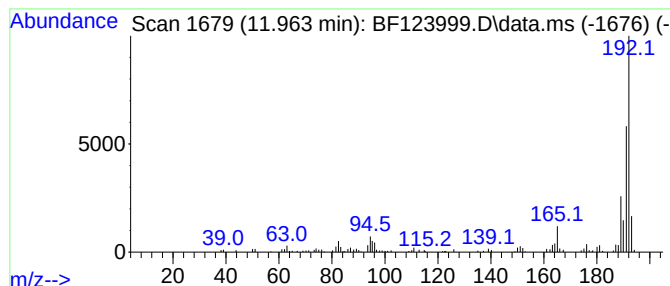
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.963	11.47 ng	262516	Phenanthrene-d10	11.433

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3			Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
Data File : BF123999.D
Acq On : 19 May 2021 20:03
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Sample : M2437-08 5X
Misc :
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ClientSampled :
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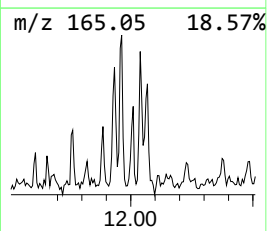
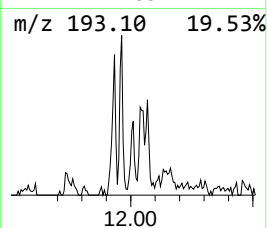
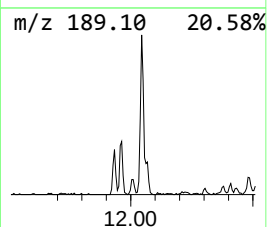
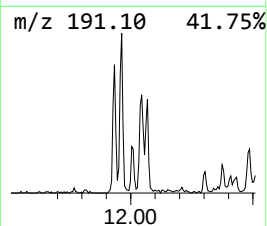
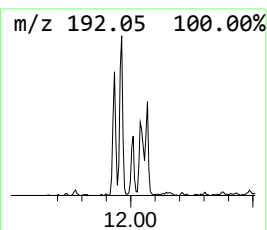
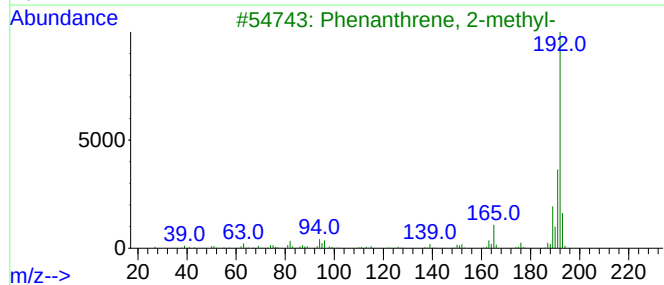
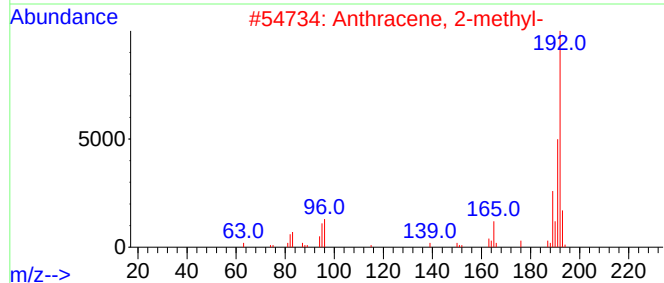
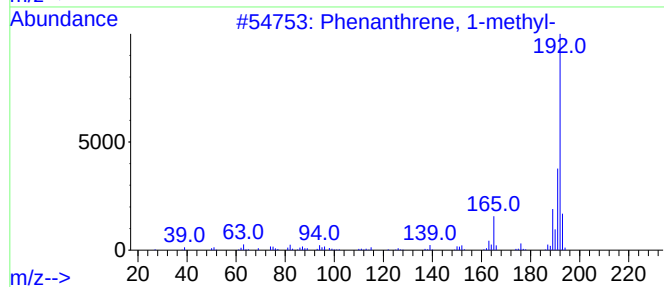
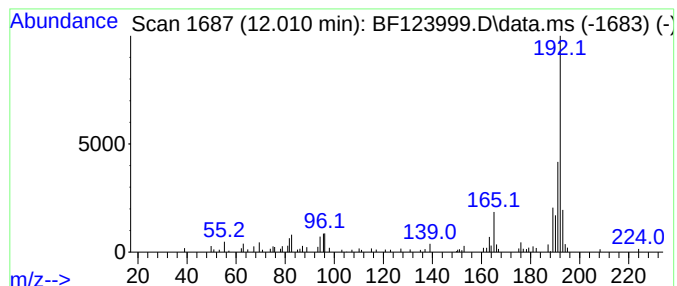
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.010	4.18 ng	95754	Phenanthrene-d10	11.433

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
4			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	87
5			Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
Data File : BF123999.D
Acq On : 19 May 2021 20:03
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Instrument :
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ClientSampleId :
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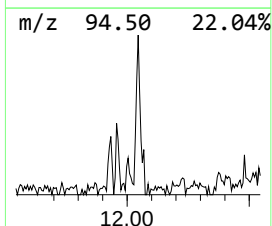
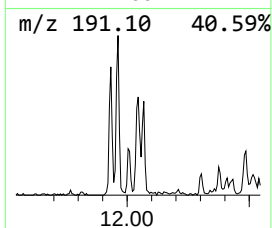
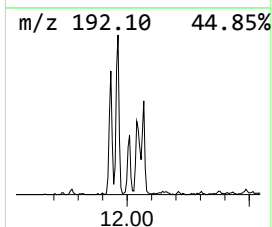
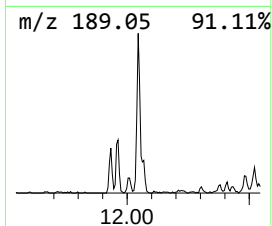
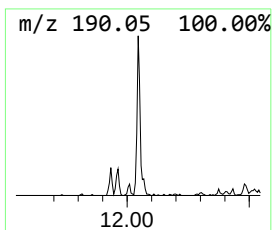
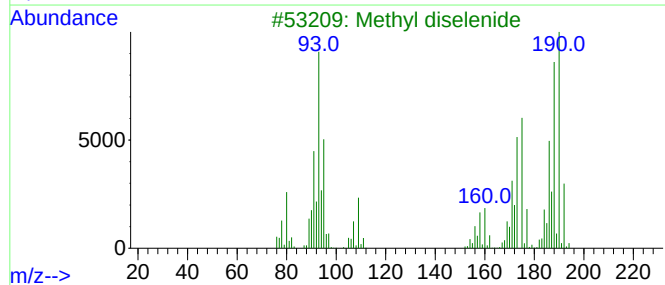
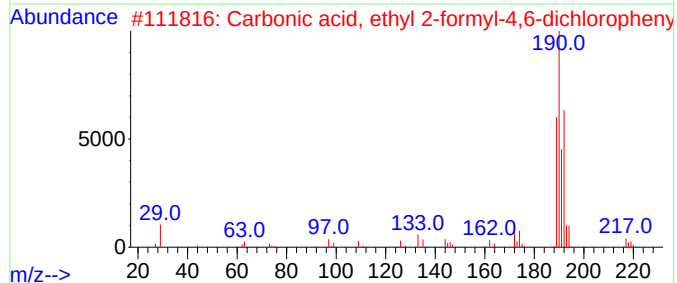
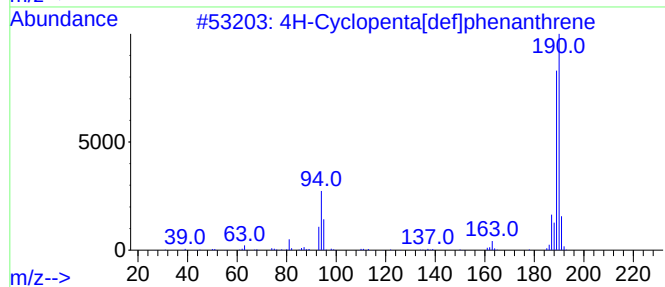
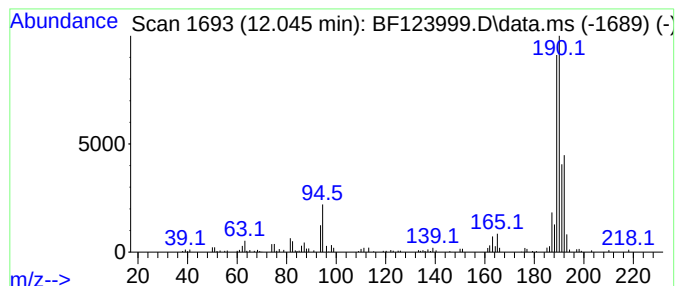
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.045	14.58 ng	333748	Phenanthrene-d10	11.433

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2			Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	53
3			Methyl diselenide	190	C2H6Se2	007101-31-7	38
4			2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
5			1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
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Misc :
ALS Vial : 17 Sample Multiplier: 1

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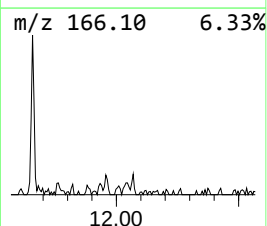
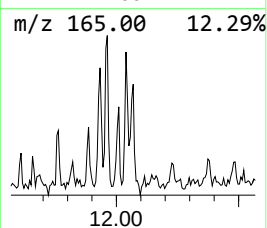
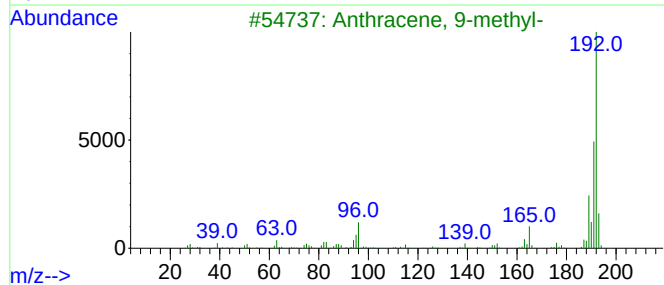
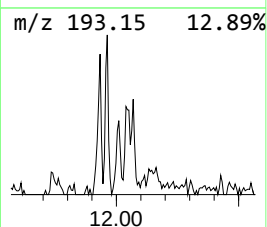
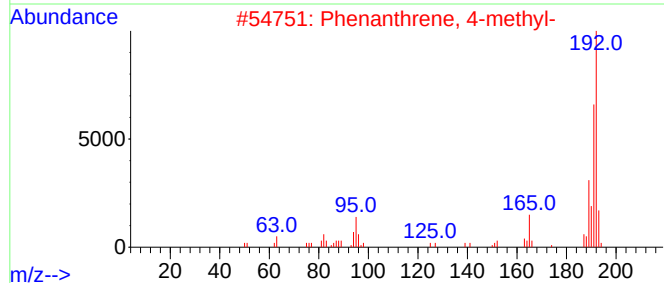
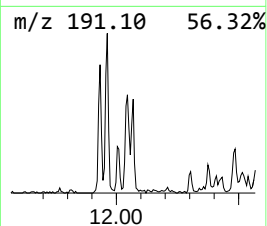
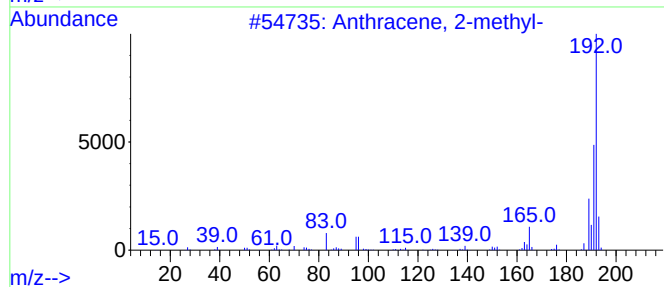
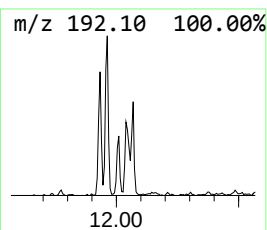
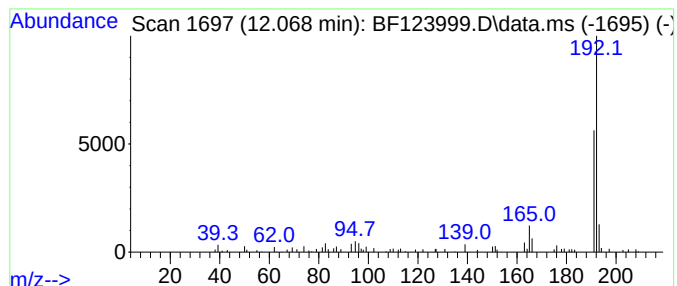
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Phenanthrene, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.069	5.11 ng	116914	Phenanthrene-d10	11.433

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
2			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
3			Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
4			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
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ALS Vial : 17 Sample Multiplier: 1

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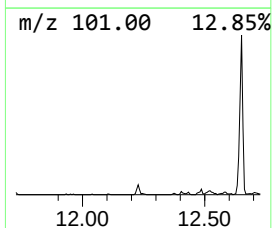
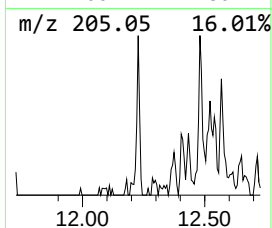
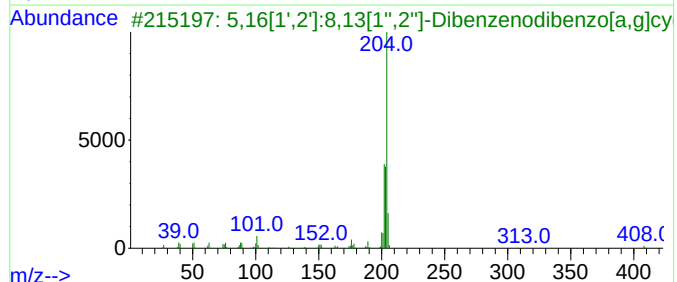
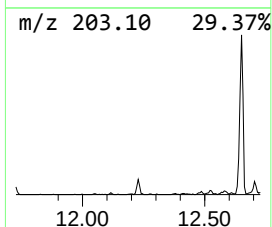
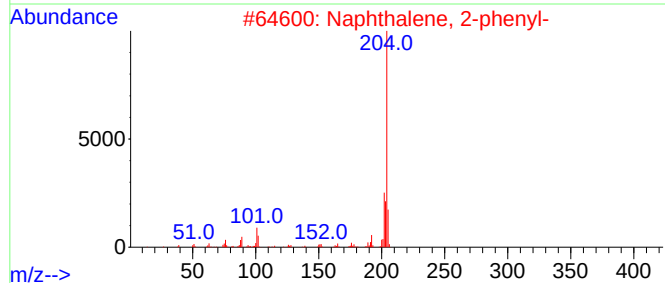
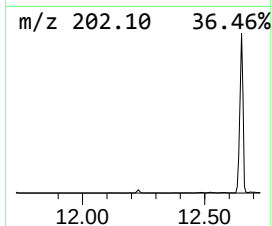
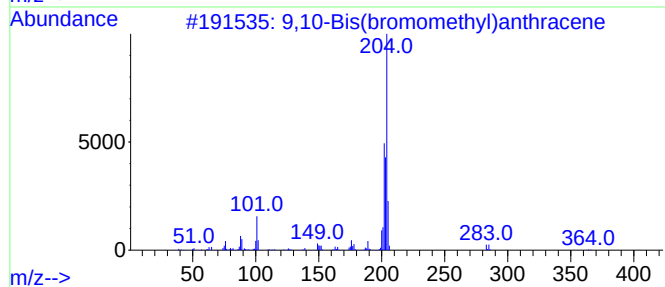
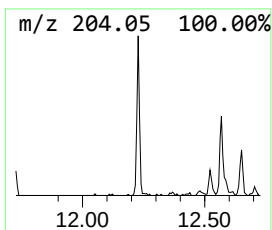
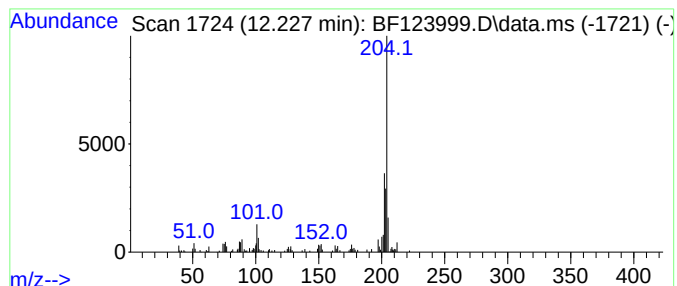
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 9,10-Bis(bromomethyl)anthra... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.227	5.75 ng	131668	Phenanthrene-d10	11.433

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	90
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
3		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
5		6-Cyanophenanthridine	204	C14H8N2	002176-28-5	60



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
Data File : BF123999.D
Acq On : 19 May 2021 20:03
Operator : JU/CG
Sample : M2437-08 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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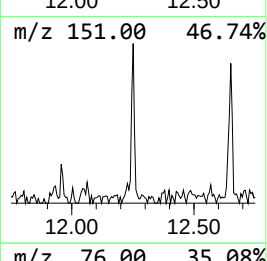
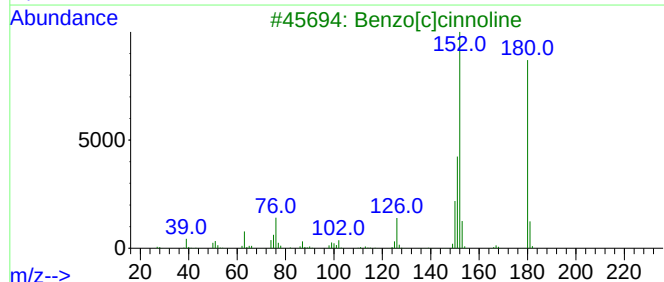
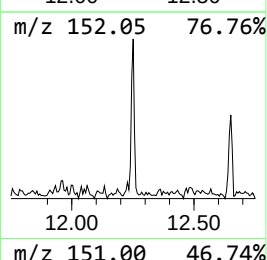
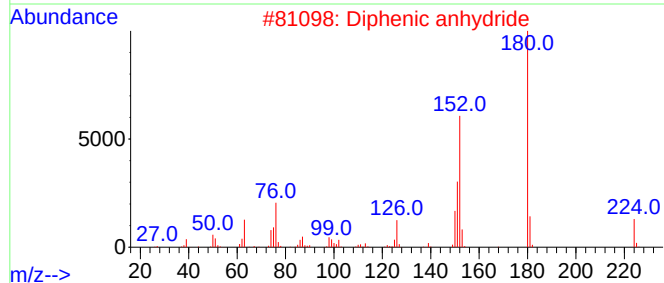
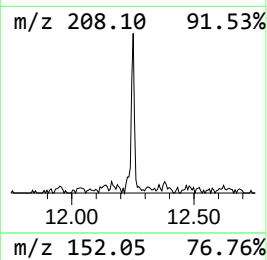
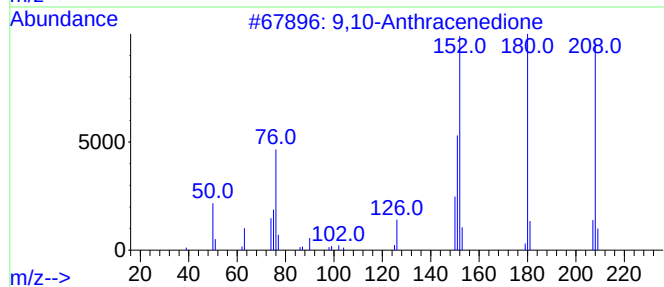
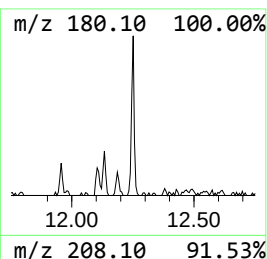
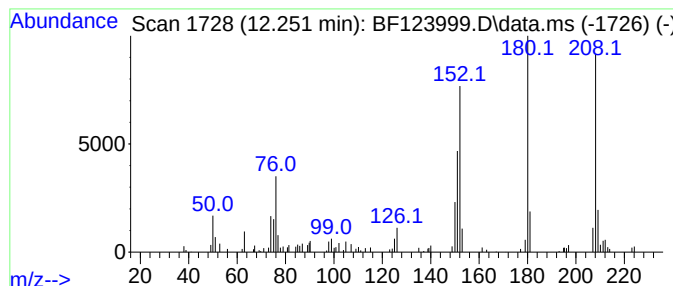
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.251	5.42 ng	124079	Phenanthrene-d10	11.433

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2			Diphenic anhydride	224	C14H8O3	006050-13-1	83
3			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
4			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53
5			9H-Fluoren-9-one	180	C13H8O	000486-25-9	53



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Acq On : 19 May 2021 20:03
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Sample : M2437-08 5X
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Instrument :
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ClientSampled :
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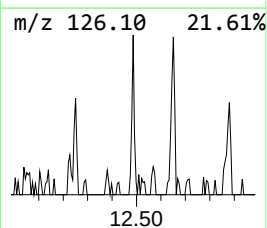
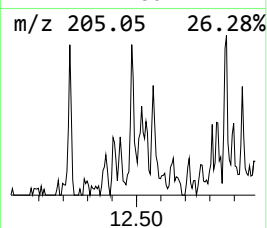
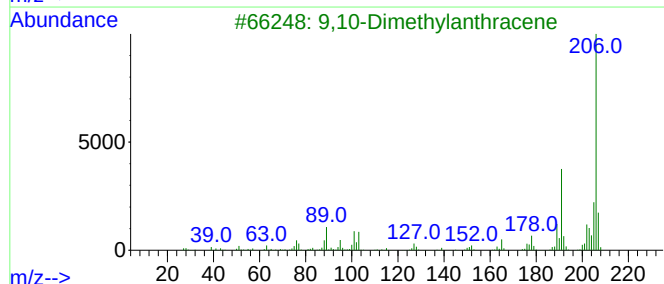
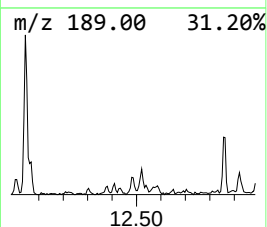
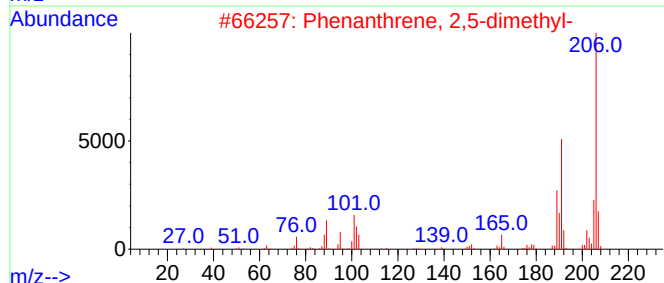
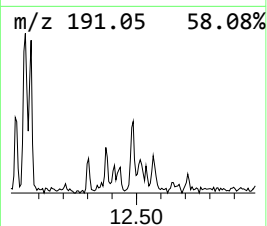
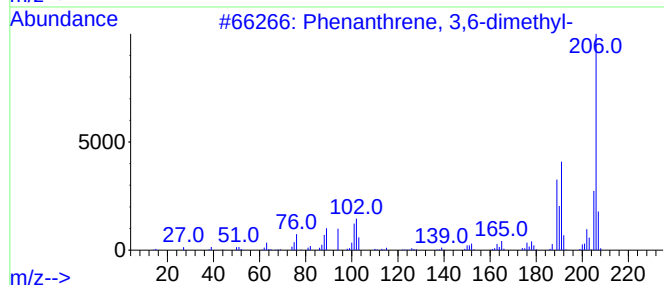
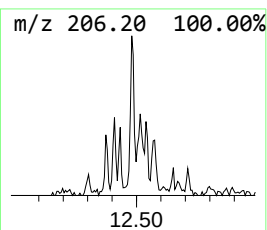
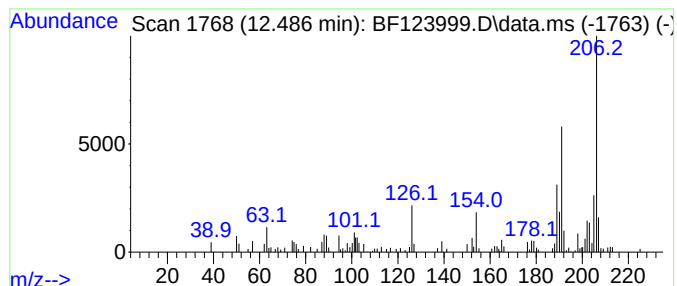
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.486	6.22 ng	142373	Phenanthrene-d10	11.433

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	89
3			9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
4			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	81
5			Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
Data File : BF123999.D
Acq On : 19 May 2021 20:03
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Sample : M2437-08 5X
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Instrument :
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ClientSampled :
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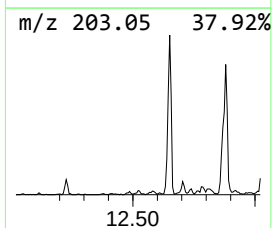
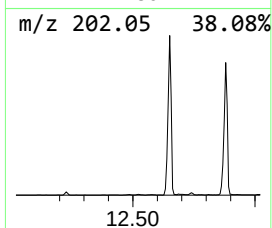
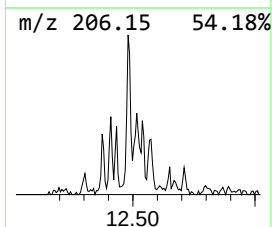
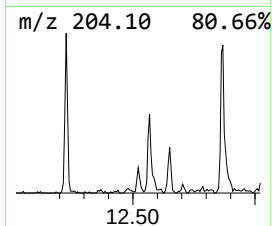
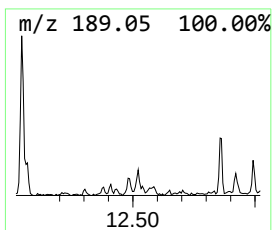
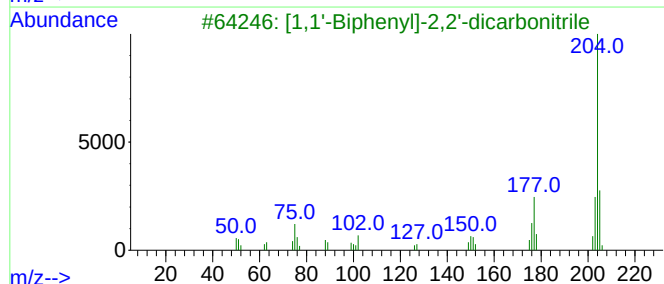
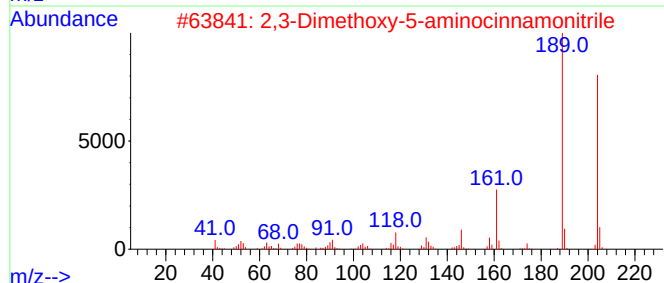
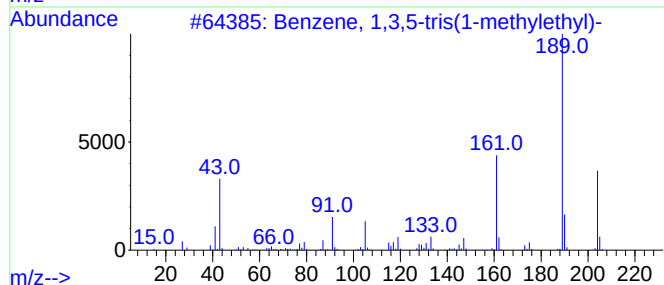
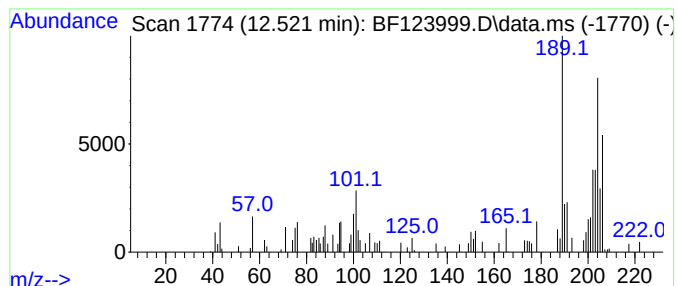
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 unknown12.521 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.521	3.80 ng	86939	Phenanthrene-d10	11.433

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3,5-tris(1-methylethyl)-	204	C15H24	000717-74-8	43
2			2,3-Dimethoxy-5-aminocinnamitrile	204	C11H12N2O2	1000214-46-5	38
3			[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	30
4			4-Pyridinol 3,5-dichloro-2-ethyl...	205	C8H9Cl2NO	1000253-55-0	30
5			[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
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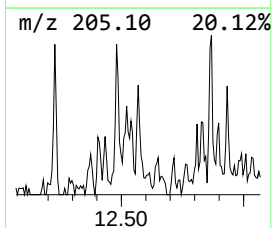
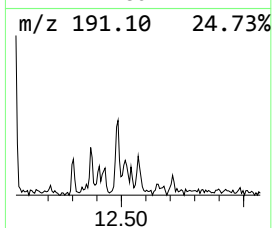
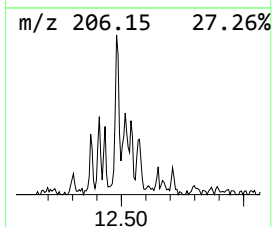
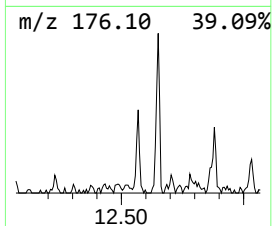
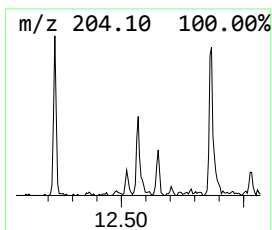
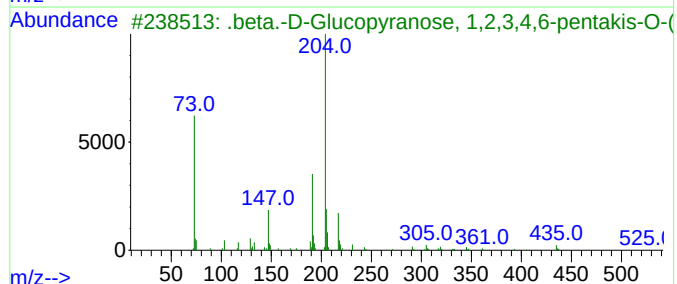
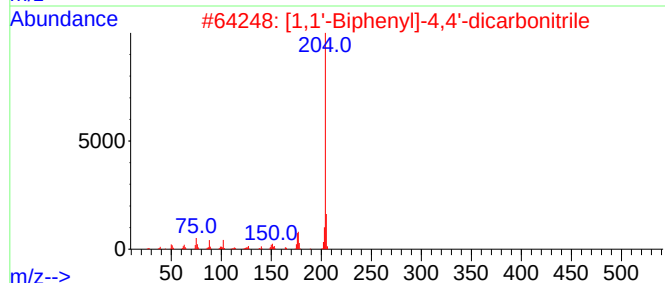
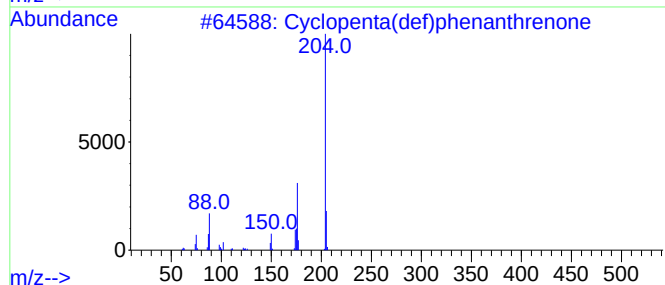
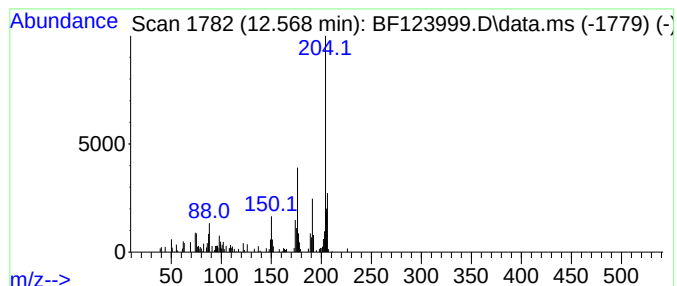
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.568	5.31 ng	121644	Phenanthrene-d10	11.433

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	76
2			[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	46
3			.beta.-D-Glucopyranose, 1,2,3,4,...	540	C21H52O6Si5	002775-90-8	43
4			6-Cyanophenanthridine	204	C14H8N2	002176-28-5	38
5			2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
Data File : BF123999.D
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Sample : M2437-08 5X
Misc :
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Instrument :
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ClientSampleId :
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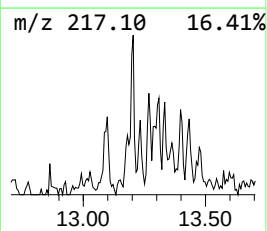
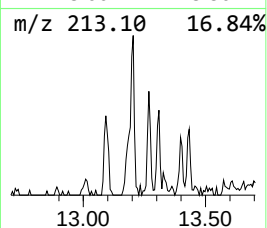
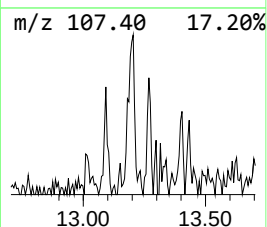
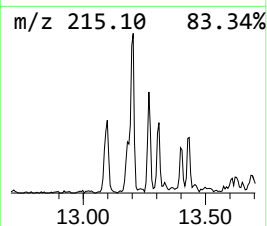
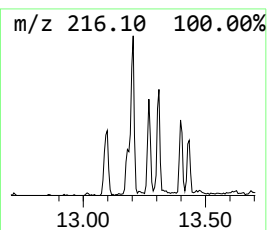
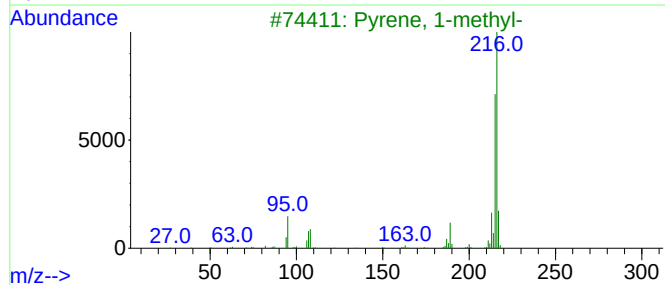
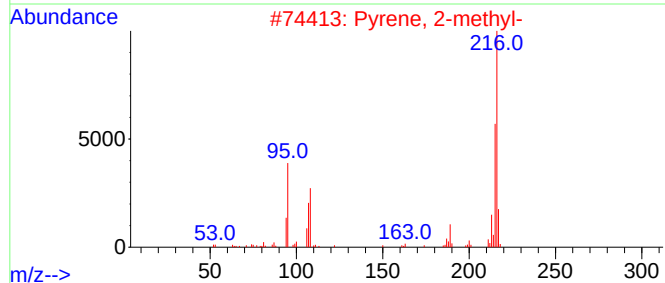
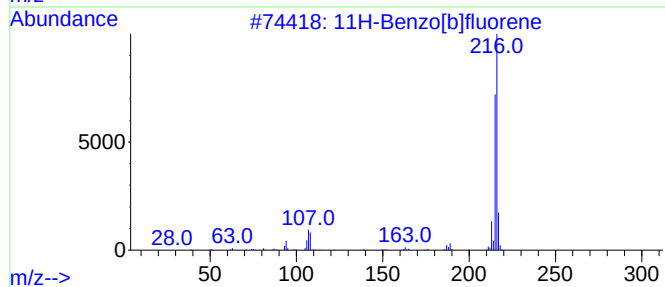
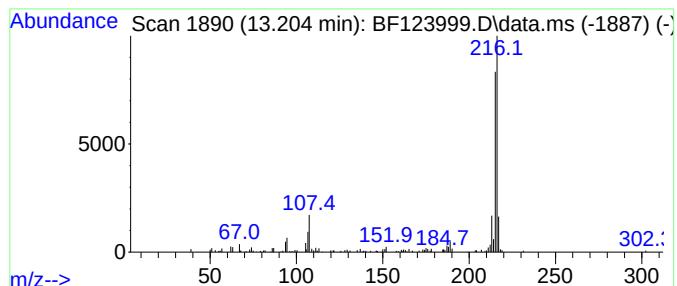
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.204	3.25 ng	228379	Chrysene-d12	14.080

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2			Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
3			Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
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Misc :
ALS Vial : 17 Sample Multiplier: 1

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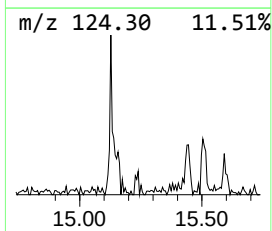
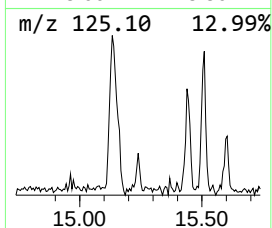
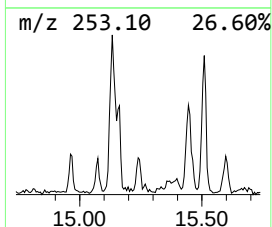
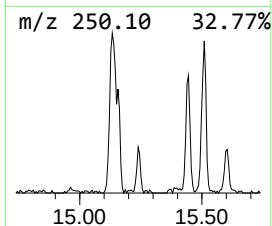
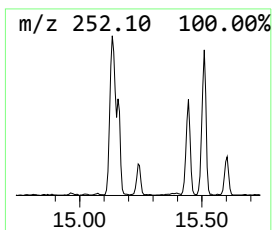
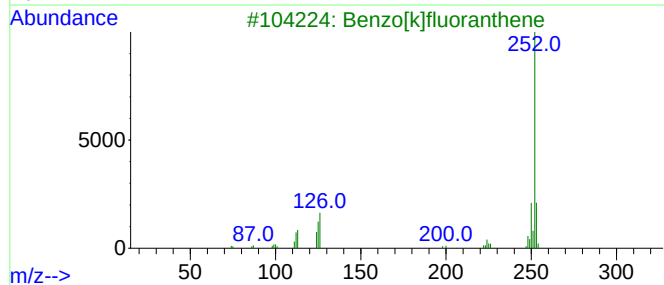
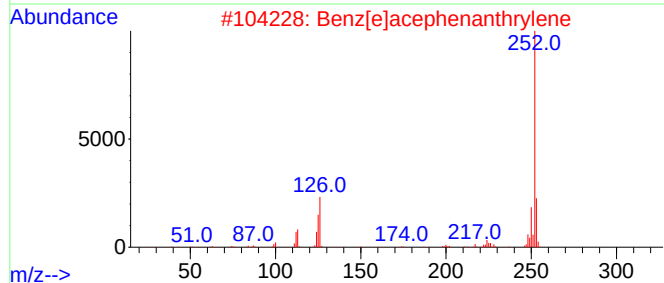
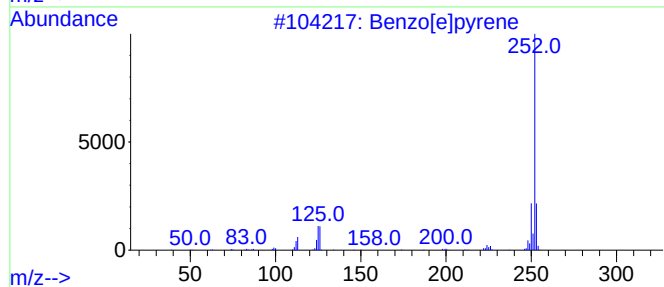
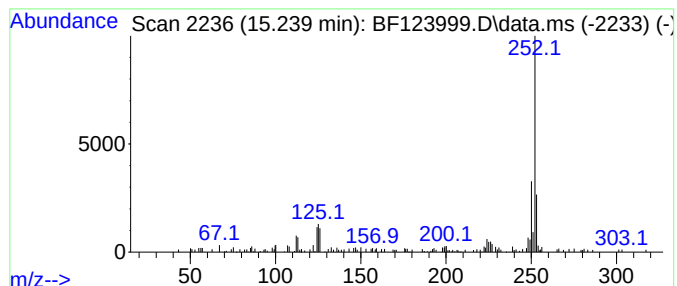
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.239	8.06 ng	111840	Perylene-d12	15.568

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	93
2			Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
3			Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4			Benzo[a]pyrene	252	C20H12	000050-32-8	89
5			Perylene	252	C20H12	000198-55-0	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
Data File : BF123999.D
Acq On : 19 May 2021 20:03
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Sample : M2437-08 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-3

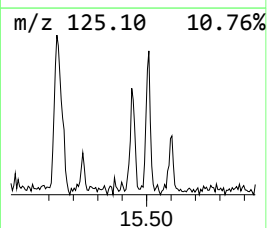
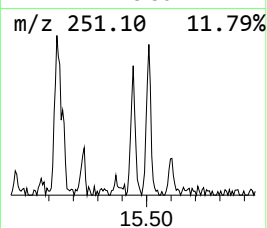
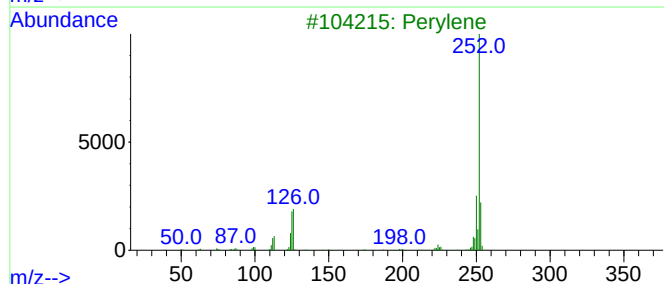
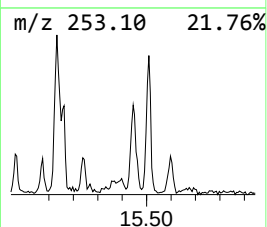
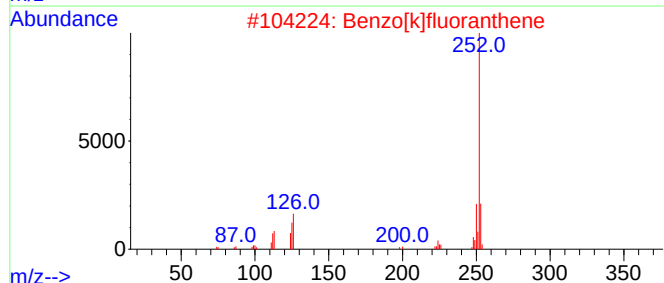
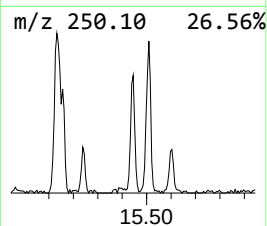
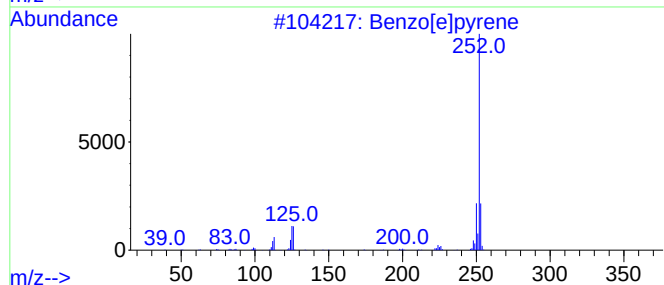
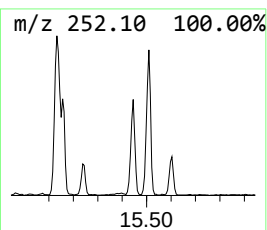
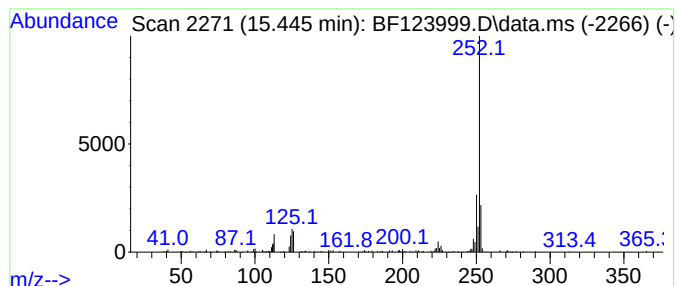
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.445	27.95 ng	387782	Perylene-d12	15.568

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	98
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3			Perylene	252	C20H12	000198-55-0	94
4			Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5			Benzo[j]fluoranthene	252	C20H12	000205-82-3	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
Data File : BF123999.D
Acq On : 19 May 2021 20:03
Operator : JU/CG
Sample : M2437-08 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

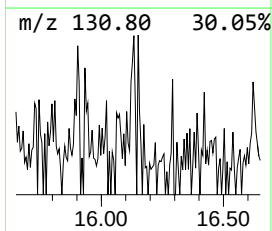
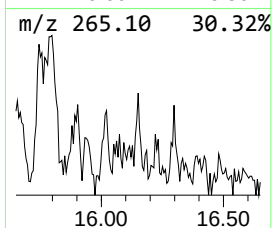
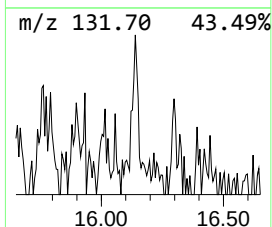
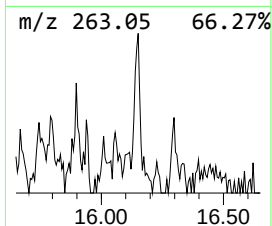
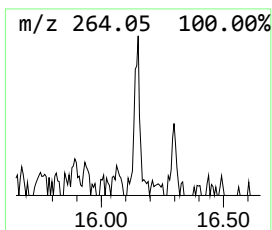
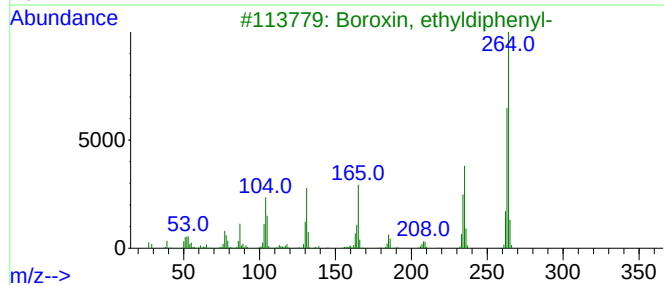
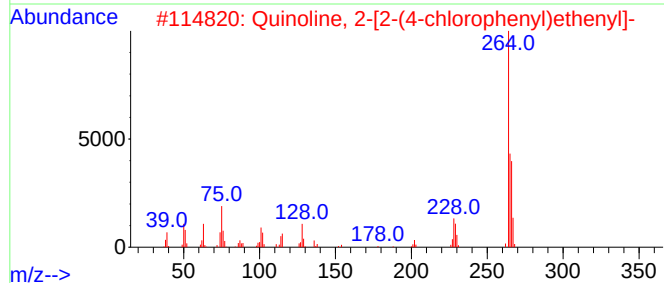
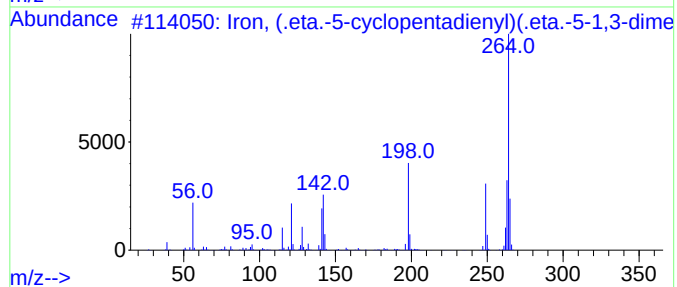
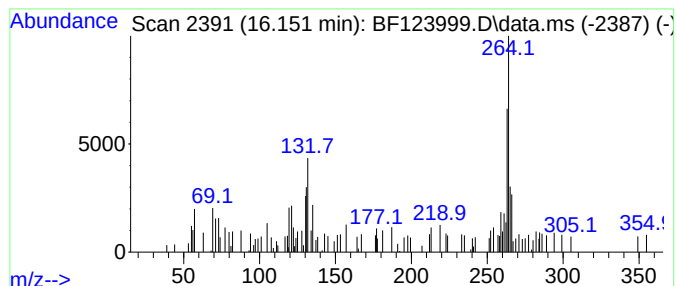
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 unknown16.151 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.151	3.37 ng	46762	Perylene-d12	15.568

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Iron, (.eta.-5-cyclopentadienyl)...	264	C16H16Fe	1000155-06-6	46
2			Quinoline, 2-[2-(4-chlorophenyl)...	265	C17H12ClN	005392-19-8	43
3			Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	37
4			2-Oxo-6-phenyl-4-(4-hydroxypheny...	264	C16H12N2O2	161200-20-0	35
5			2,4,6,8-Tetrathiatricyclo[3.3.1...	264	C10H16S4	007000-79-5	35



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
Data File : BF123999.D
Acq On : 19 May 2021 20:03
Operator : JU/CG
Sample : M2437-08 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

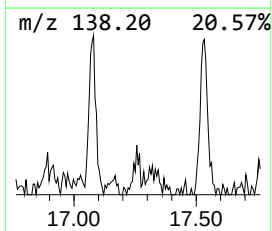
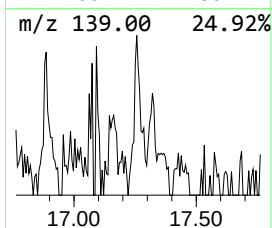
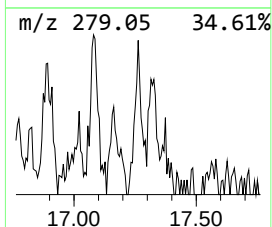
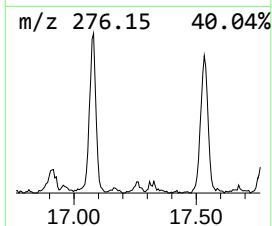
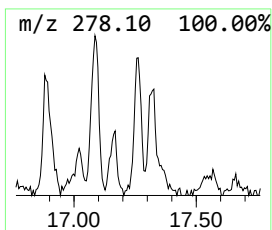
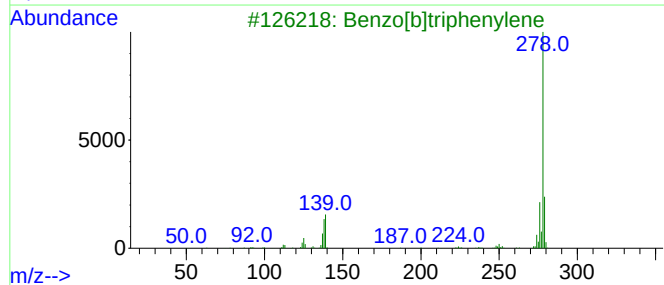
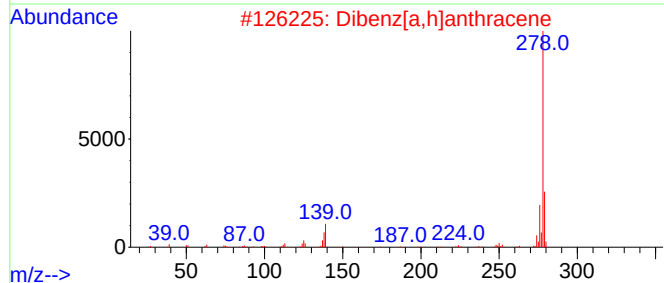
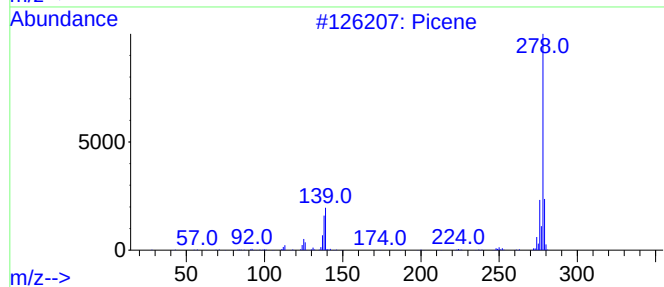
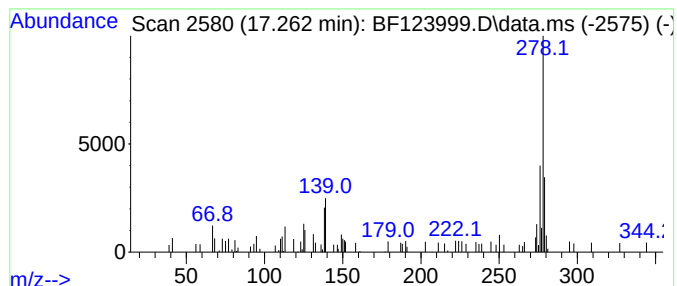
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Picene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.262	5.08 ng	70450	Perylene-d12	15.568

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Picene	278	C22H14	000213-46-7	70
2			Dibenz[a,h]anthracene	278	C22H14	000053-70-3	62
3			Benzo[b]triphenylene	278	C22H14	000215-58-7	58
4			Benzo[a]naphthacene	278	C22H14	000226-88-0	53
5			Benzo[b]chrysene	278	C22H14	000214-17-5	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
Data File : BF123999.D
Acq On : 19 May 2021 20:03
Operator : JU/CG
Sample : M2437-08 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
TP-3

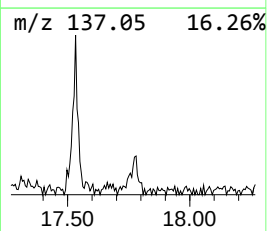
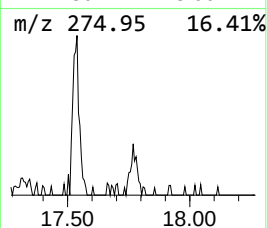
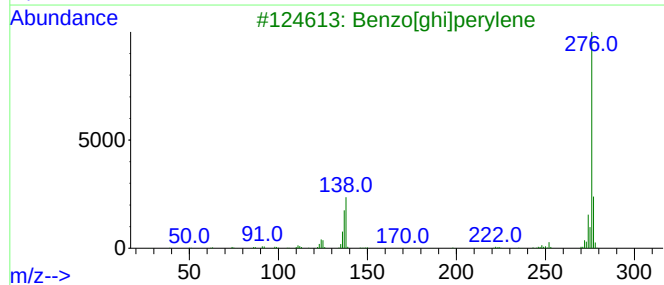
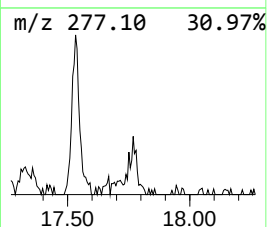
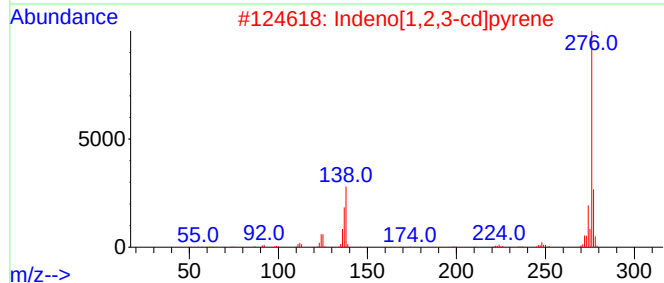
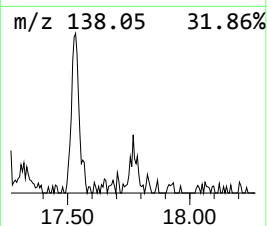
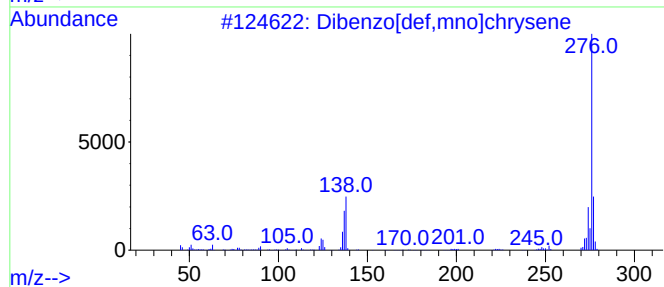
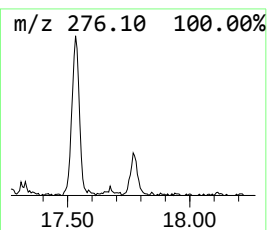
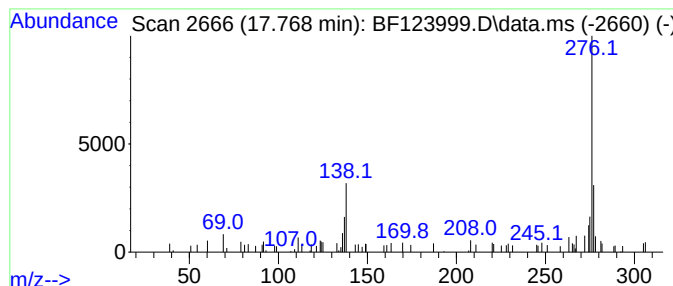
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.768	6.29 ng	87300	Perylene-d12	15.568

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	81
2		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	76
3		Benzo[ghi]perylene	276	C22H12	000191-24-2	74
4		Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	64
5		2-Chloro-4-(2-furanyl)-5-methyl-...	276	C13H9ClN2OS	131022-80-5	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
 Data File : BF123999.D
 Acq On : 19 May 2021 20:03
 Operator : JU/CG
 Sample : M2437-08 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.128	6.9	ng	110305	1	6.904	318023	20.0
9H-Fluorene, 1-...	11.039	3.1	ng	70425	4	11.433	457869	20.0
9H-Fluoren-9-one	11.233	3.8	ng	86046	4	11.433	457869	20.0
Naphtho[1,2-b]t...	11.327	3.3	ng	75662	4	11.433	457869	20.0
Phenanthrene, 2...	11.933	9.2	ng	211594	4	11.433	457869	20.0
Anthracene, 2-m...	11.963	11.5	ng	262516	4	11.433	457869	20.0
Phenanthrene, 1...	12.010	4.2	ng	95754	4	11.433	457869	20.0
4H-Cyclopenta[d...	12.045	14.6	ng	333748	4	11.433	457869	20.0
Phenanthrene, 4...	12.069	5.1	ng	116914	4	11.433	457869	20.0
9,10-Bis(bromom...	12.227	5.8	ng	131668	4	11.433	457869	20.0
9,10-Anthracene...	12.251	5.4	ng	124079	4	11.433	457869	20.0
Phenanthrene, 3...	12.486	6.2	ng	142373	4	11.433	457869	20.0
unknown12.521	12.521	3.8	ng	86939	4	11.433	457869	20.0
Cyclopenta(def)...	12.568	5.3	ng	121644	4	11.433	457869	20.0
11H-Benzo[b]flu...	13.204	3.3	ng	228379	5	14.080	1405510	20.0
Benzo[e]pyrene	15.239	8.1	ng	111840	6	15.568	277528	20.0
Perylene	15.445	27.9	ng	387782	6	15.568	277528	20.0
unknown16.151	16.151	3.4	ng	46762	6	15.568	277528	20.0
Picene	17.262	5.1	ng	70450	6	15.568	277528	20.0
Dibenzo[def,mno...	17.768	6.3	ng	87300	6	15.568	277528	20.0