

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
 Data File : BF134004.D
 Acq On : 27 Jun 2023 22:22
 Operator : CG\JU
 Sample : 03394-01 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ORA-1651

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-BF062623.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF134004.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.075	504	508	516	rBV	31817	34457	1.91%	0.192%
2	5.481	573	577	586	rBV	400546	388277	21.54%	2.165%
3	6.104	680	683	689	rBV4	17957	25148	1.39%	0.140%
4	6.481	744	747	753	rBV	414967	378433	20.99%	2.110%
5	6.851	807	810	816	rVB	632338	496234	27.53%	2.767%
6	6.992	831	834	838	rBV	29185	23912	1.33%	0.133%
7	7.116	850	855	859	rVB4	26600	36260	2.01%	0.202%
8	7.381	894	900	902	rBV2	34760	48737	2.70%	0.272%
9	7.410	902	905	914	rVV	262357	263111	14.59%	1.467%
10	7.492	914	919	922	rVB4	32609	46411	2.57%	0.259%
11	7.651	943	946	949	rBV4	31881	25285	1.40%	0.141%
12	7.769	964	966	972	rVB4	38145	36065	2.00%	0.201%
13	8.004	1002	1006	1009	rBV3	51016	66848	3.71%	0.373%
14	8.133	1024	1028	1030	rBV	615816	531817	29.50%	2.965%
15	8.210	1039	1041	1046	rVB2	73406	66956	3.71%	0.373%
16	8.333	1059	1062	1064	rVB2	32537	29977	1.66%	0.167%
17	8.416	1072	1076	1080	rVB4	37030	46392	2.57%	0.259%
18	8.510	1089	1092	1095	rVB5	21283	26974	1.50%	0.150%
19	8.551	1095	1099	1101	rBV	70390	66021	3.66%	0.368%
20	8.633	1111	1113	1116	rBV2	38784	30842	1.71%	0.172%
21	8.669	1116	1119	1121	rBV3	24525	24496	1.36%	0.137%
22	8.945	1163	1166	1170	rVB2	50694	59696	3.31%	0.333%
23	9.081	1185	1189	1191	rBV3	29155	34336	1.90%	0.191%
24	9.151	1198	1201	1205	rBV	87591	82293	4.56%	0.459%
25	9.204	1205	1210	1215	rVB	460785	413032	22.91%	2.303%
26	9.286	1220	1224	1227	rBV5	31185	32623	1.81%	0.182%
27	9.475	1252	1256	1259	rBV2	33974	41644	2.31%	0.232%
28	9.545	1265	1268	1271	rBV	57313	54624	3.03%	0.305%
29	9.610	1274	1279	1281	rVB3	62921	73101	4.05%	0.408%
30	9.663	1286	1288	1293	rVB4	39812	36566	2.03%	0.204%
31	9.751	1300	1303	1307	rBV	152461	127843	7.09%	0.713%
32	9.892	1320	1327	1329	rBV	584828	526208	29.19%	2.934%
33	9.922	1329	1332	1336	rVB	166717	132327	7.34%	0.738%
34	9.992	1342	1344	1348	rVB2	25588	30180	1.67%	0.168%
35	10.045	1349	1353	1356	rBV4	24884	33886	1.88%	0.189%
36	10.092	1356	1361	1365	rVV	100009	104191	5.78%	0.581%

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Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.133	1366	1368	1374	rVB3	34944	35956	1.99%	0.200%
38	10.204	1377	1380	1383	rBV2	44161	49203	2.73%	0.274%
39	10.298	1392	1396	1398	rBV2	41600	53241	2.95%	0.297%
40	10.439	1417	1420	1426	rVB	177191	161884	8.98%	0.903%
41	10.598	1444	1447	1451	rVB2	63795	71437	3.96%	0.398%
42	10.680	1455	1461	1465	rBV	306612	281148	15.60%	1.568%
43	10.810	1478	1483	1489	rVB	82162	98577	5.47%	0.550%
44	10.933	1501	1504	1510	rBV	78454	80355	4.46%	0.448%
45	10.992	1510	1514	1516	rVV2	48216	62059	3.44%	0.346%
46	11.016	1516	1518	1521	rVV2	36611	37699	2.09%	0.210%
47	11.074	1525	1528	1531	rVB2	42093	39201	2.17%	0.219%
48	11.122	1531	1536	1537	rBV3	33069	45308	2.51%	0.253%
49	11.139	1537	1539	1541	rVV3	40199	40713	2.26%	0.227%
50	11.192	1545	1548	1551	rVV3	23670	26759	1.48%	0.149%
51	11.233	1552	1555	1560	rVV3	39737	63324	3.51%	0.353%
52	11.280	1560	1563	1568	rVB2	92551	96331	5.34%	0.537%
53	11.386	1577	1581	1583	rBV	600068	557487	30.92%	3.108%
54	11.410	1583	1585	1588	rVV	915442	674301	37.40%	3.760%
55	11.463	1591	1594	1597	rVV	302516	266326	14.77%	1.485%
56	11.492	1597	1599	1602	rVB2	41371	44431	2.46%	0.248%
57	11.616	1618	1620	1622	rBV	31859	32578	1.81%	0.182%
58	11.680	1629	1631	1634	rVV2	40274	28467	1.58%	0.159%
59	11.716	1635	1637	1642	rVB2	39147	39613	2.20%	0.221%
60	11.798	1649	1651	1656	rVB	24293	28302	1.57%	0.158%
61	11.892	1663	1667	1669	rBV	143571	150200	8.33%	0.837%
62	11.916	1669	1671	1675	rVV	229094	205132	11.38%	1.144%
63	11.963	1676	1679	1682	rVV	105767	104712	5.81%	0.584%
64	12.004	1682	1686	1688	rVV	404066	414974	23.02%	2.314%
65	12.021	1688	1689	1694	rVB	122158	104979	5.82%	0.585%
66	12.186	1714	1717	1720	rVV	127134	119571	6.63%	0.667%
67	12.216	1720	1722	1725	rVB2	48103	39999	2.22%	0.223%
68	12.321	1737	1740	1741	rBV2	29978	32153	1.78%	0.179%
69	12.339	1741	1743	1745	rVV	48680	40770	2.26%	0.227%
70	12.369	1745	1748	1750	rVV	58358	52566	2.92%	0.293%
71	12.392	1750	1752	1754	rVB2	50254	37340	2.07%	0.208%
72	12.445	1757	1761	1764	rBV	137227	166783	9.25%	0.930%
73	12.480	1764	1767	1769	rVV2	102942	118128	6.55%	0.659%
74	12.533	1773	1776	1780	rBV3	76082	109790	6.09%	0.612%
75	12.610	1785	1789	1792	rBV	1876137	1597129	88.59%	8.905%
76	12.651	1792	1796	1798	rVV2	46790	53347	2.96%	0.297%

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77	12.704	1802	1805	1807	rBV	77133	66613	3.70%	0.371%
78	12.757	1812	1814	1818	rVV3	64559	73461	4.07%	0.410%
79	12.839	1822	1828	1834	rBV	1551813	1802784	100.00%	10.052%
80	12.886	1834	1836	1841	rVB2	77503	104448	5.79%	0.582%
81	12.957	1845	1848	1849	rBV2	88123	73400	4.07%	0.409%
82	12.980	1849	1852	1859	rVB	439865	440343	24.43%	2.455%
83	13.057	1861	1865	1869	rBV2	124182	192783	10.69%	1.075%
84	13.145	1877	1880	1881	rBV2	91708	101555	5.63%	0.566%
85	13.168	1881	1884	1887	rVB	319504	302075	16.76%	1.684%
86	13.233	1893	1895	1898	rVB	255759	209292	11.61%	1.167%
87	13.274	1898	1902	1905	rBV2	175609	191956	10.65%	1.070%
88	13.368	1915	1918	1920	rBV	90587	80945	4.49%	0.451%
89	13.398	1920	1923	1926	rBV	104779	106778	5.92%	0.595%
90	13.792	1988	1990	1993	rBV	80862	71623	3.97%	0.399%
91	13.821	1993	1995	1997	rBV	73863	57678	3.20%	0.322%
92	13.845	1997	1999	2000	rBV	74491	52162	2.89%	0.291%
93	14.039	2028	2032	2036	rBV2	752661	1050162	58.25%	5.855%
94	14.074	2036	2038	2045	rVB	557708	483541	26.82%	2.696%
95	14.151	2049	2051	2054	rBV	105309	84650	4.70%	0.472%
96	14.433	2097	2099	2103	rVB	110576	107287	5.95%	0.598%
97	15.110	2210	2214	2217	rBV	366858	555503	30.81%	3.097%
98	15.427	2265	2268	2274	rVB	206909	267688	14.85%	1.493%
99	15.492	2275	2279	2285	rVB	350781	448526	24.88%	2.501%
100	15.557	2286	2290	2293	rBV	202862	272357	15.11%	1.519%

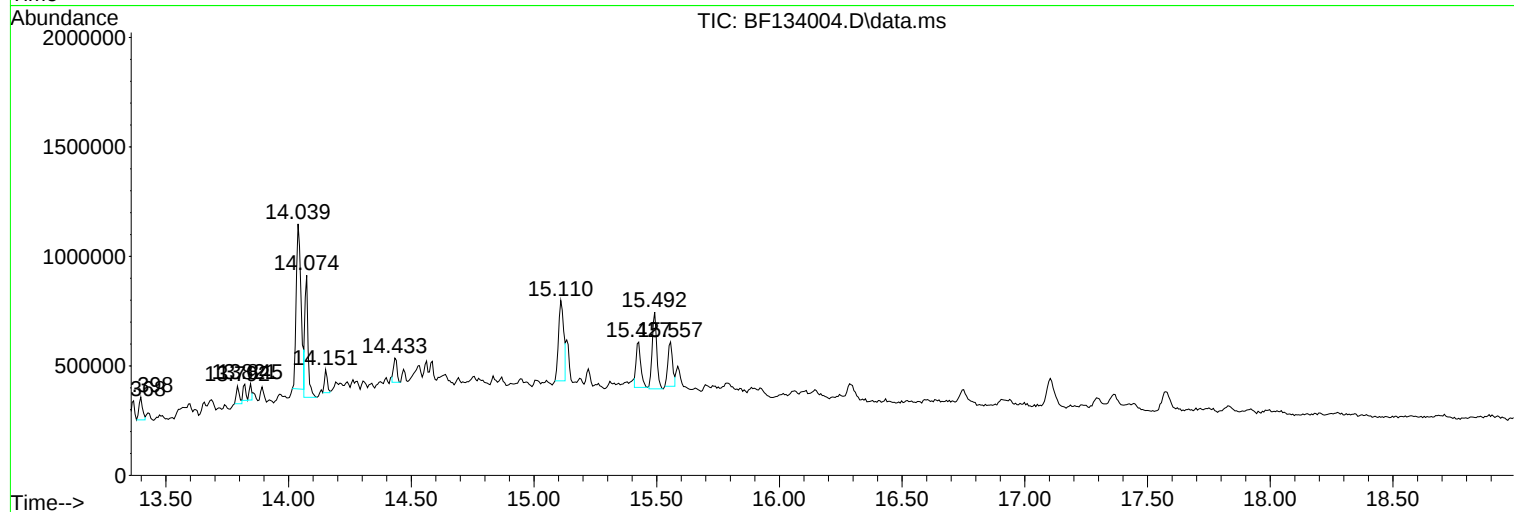
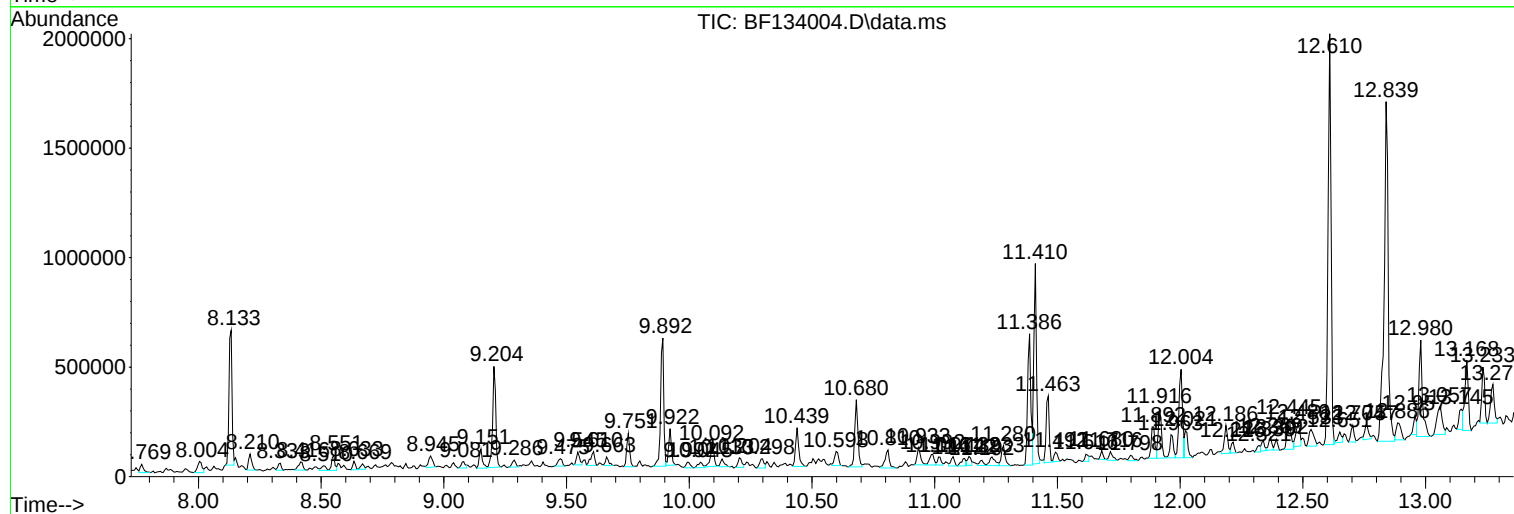
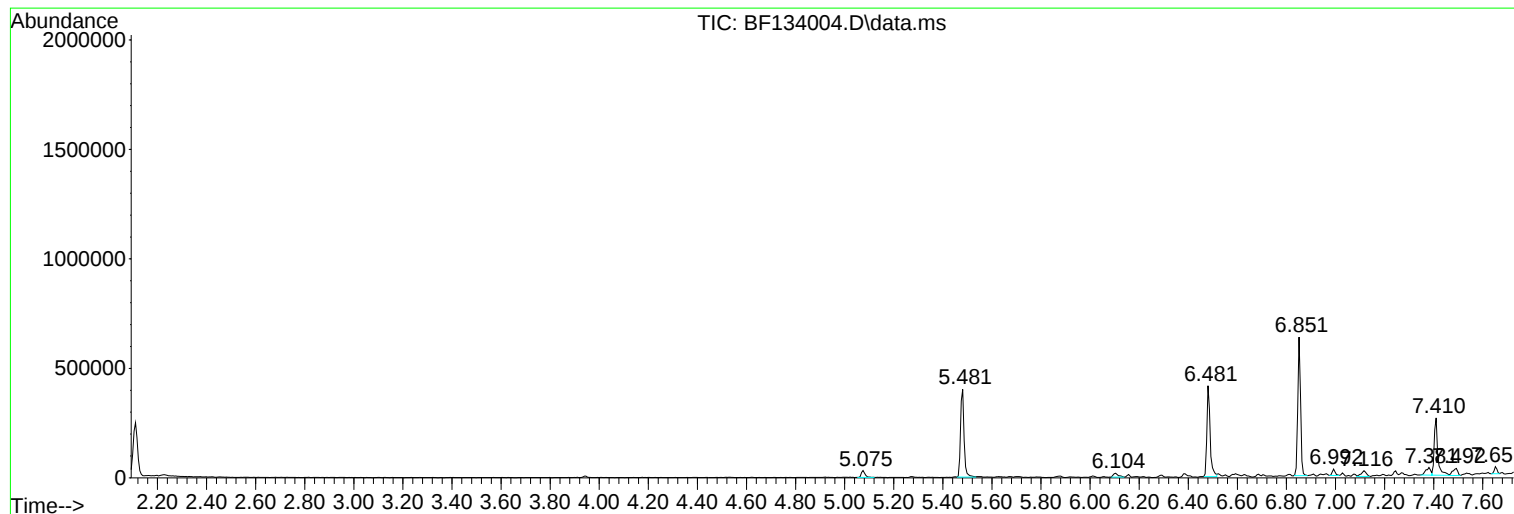
Sum of corrected areas: 17935086

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Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.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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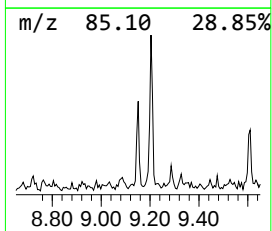
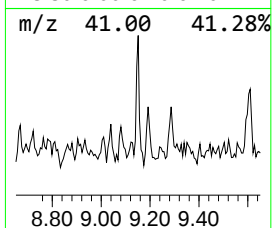
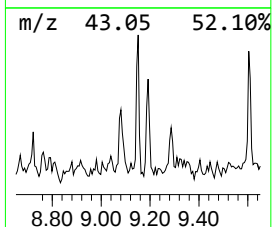
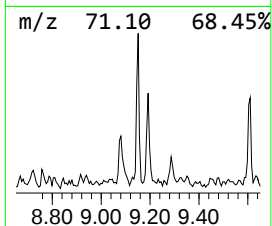
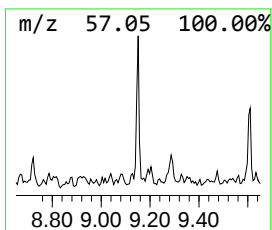
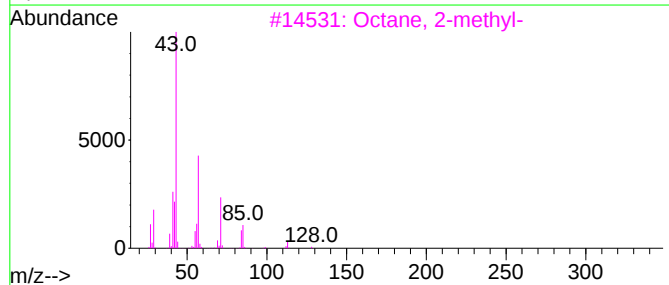
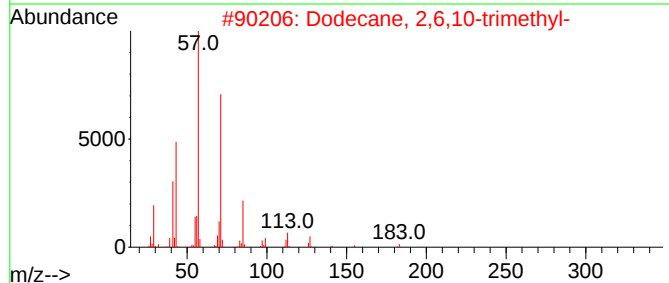
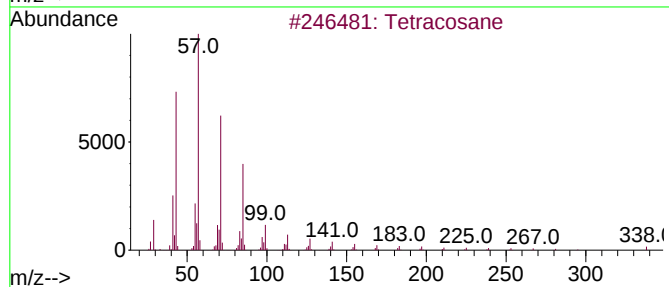
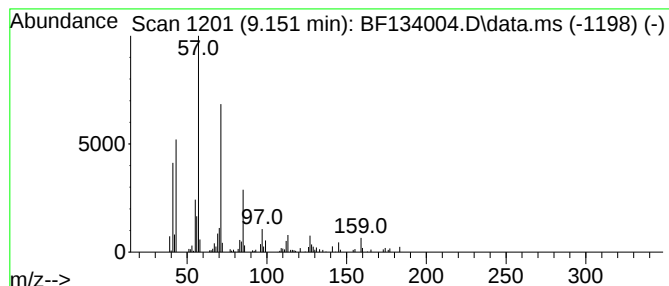
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Tetracosane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.151	3.13 ng	82293	Acenaphthene-d10	9.892

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetracosane	338	C24H50	000646-31-1	72
2			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	72
3			Octane, 2-methyl-	128	C9H20	003221-61-2	64
4			Nonane, 5-(1-methylpropyl)-	184	C13H28	062185-54-0	53
5			Dodecane, 1-iodo-	296	C12H25I	004292-19-7	53



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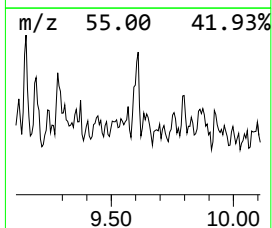
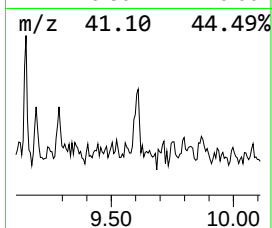
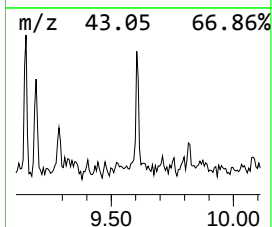
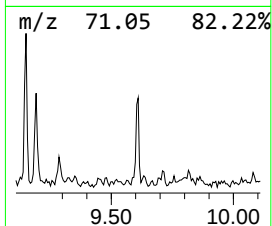
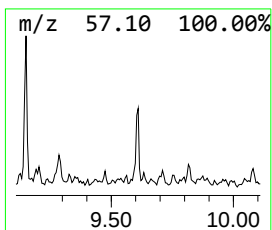
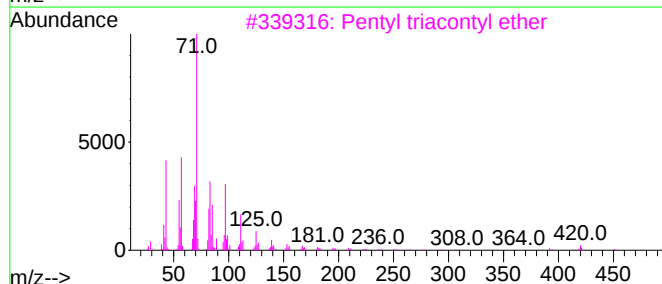
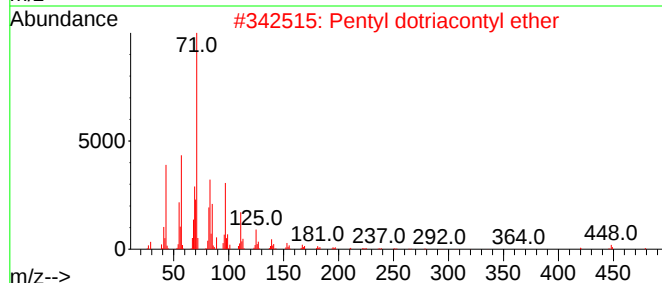
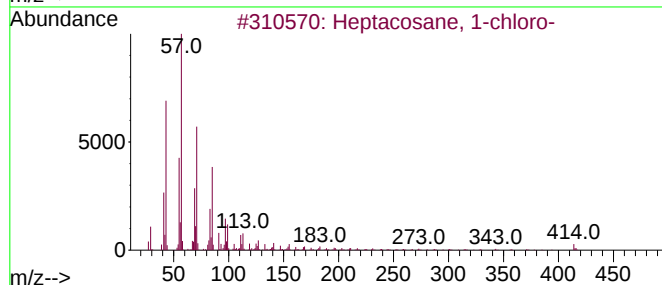
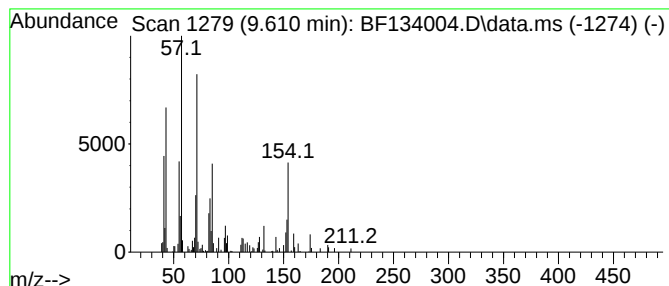
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown9.610 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.	
9.610	2.78 ng	73101	Acenaphthene-d10		9.892	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Heptacosane, 1-chloro-		414	C27H55Cl	062016-79-9	47
2	Pentyl dotriacontyl ether		537	C37H76O	1000406-42-6	43
3	Pentyl triacontyl ether		509	C35H72O	1000406-42-5	43
4	2,6,10-Trimethyltridecane		226	C16H34	003891-99-4	38
5	3-Ethyl-2,6,10-trimethylundecane		226	C16H34	1000432-25-9	35



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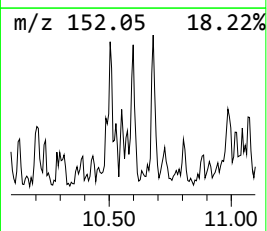
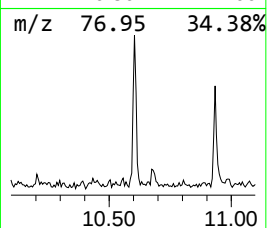
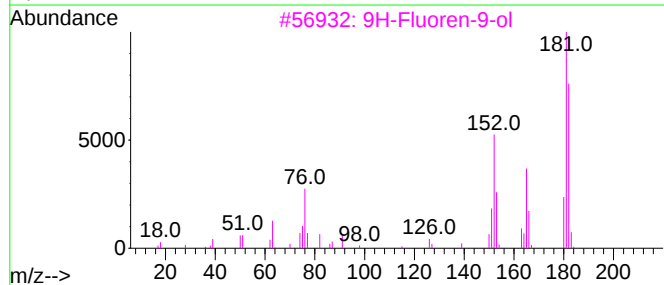
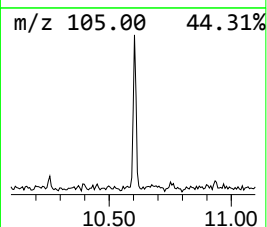
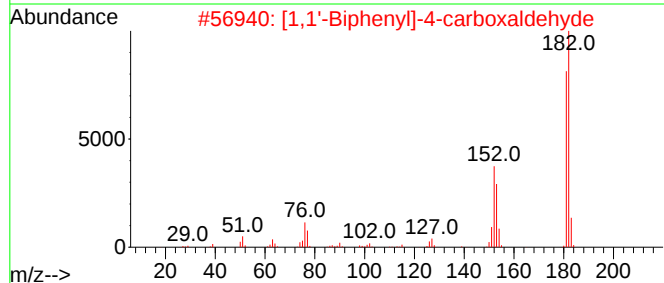
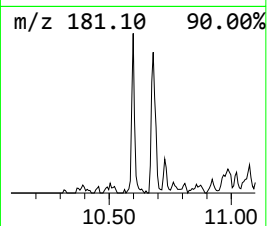
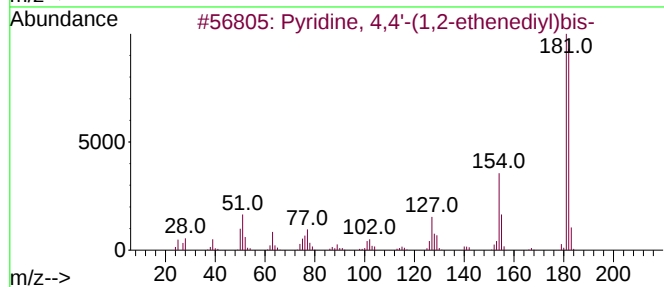
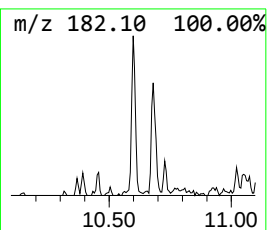
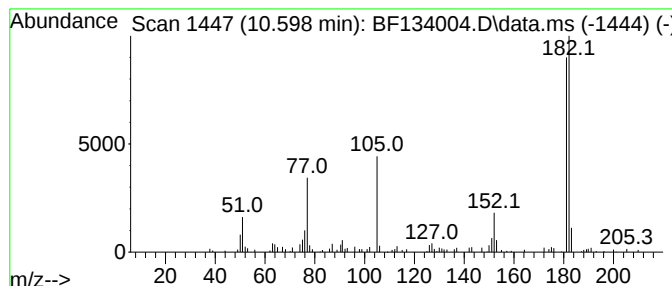
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Pyridine, 4,4'-(1,2-ethened... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD			R.T.
10.598	2.72 ng	71437	Acenaphthene-d10			9.892
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Pyridine, 4,4'-(1,2-ethenediyl)bis-		182	C12H10N2	001135-32-6	80
2	[1,1'-Biphenyl]-4-carboxaldehyde		182	C13H10O	003218-36-8	74
3	9H-Fluoren-9-ol		182	C13H10O	001689-64-1	72
4	Pyrido[2,3-b]indole, 6-methyl-		182	C12H10N2	108349-67-3	64
5	Dibenzofuran, 4-methyl-		182	C13H10O	007320-53-8	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
Data File : BF134004.D
Acq On : 27 Jun 2023 22:22
Operator : CG\JU
Sample : 03394-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ORA-1651

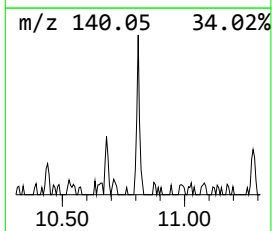
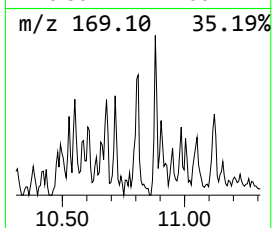
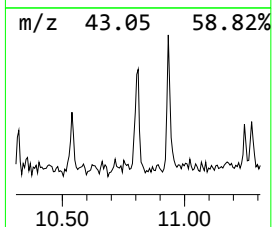
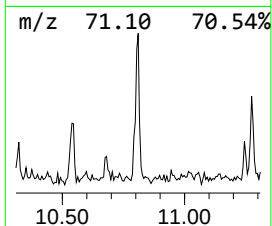
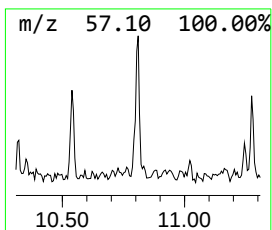
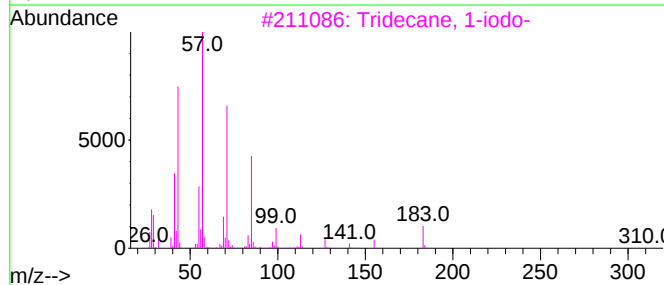
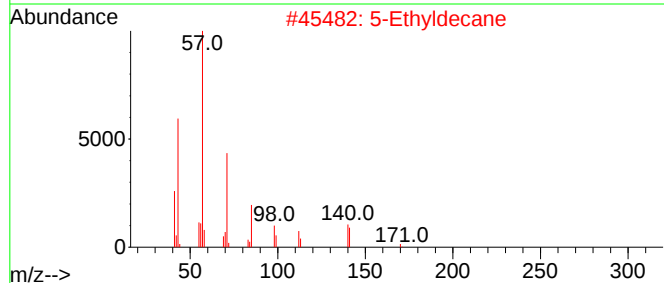
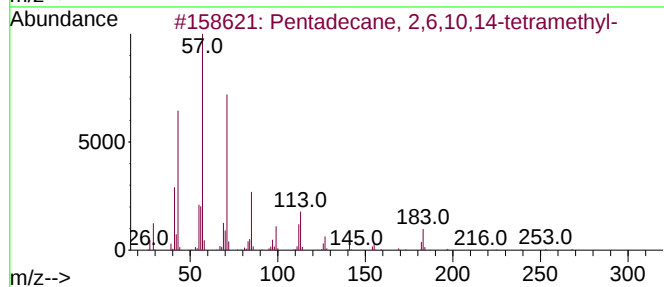
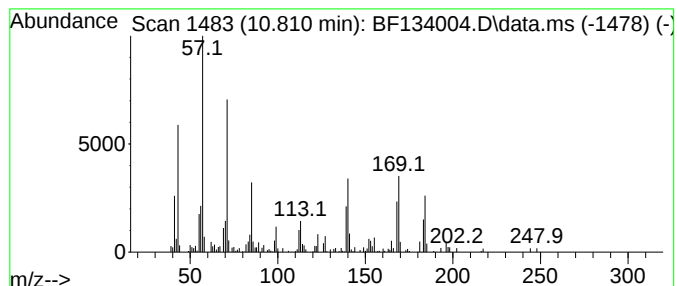
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 unknown10.810 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.810	3.54 ng	98577	Phenanthrene-d10	11.386

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	30
2			5-Ethyldecane	170	C12H26	017302-36-2	30
3			Tridecane, 1-iodo-	310	C13H27I	035599-77-0	30
4			Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	30
5			Hexadecane	226	C16H34	000544-76-3	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
Data File : BF134004.D
Acq On : 27 Jun 2023 22:22
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Misc :
ALS Vial : 23 Sample Multiplier: 1

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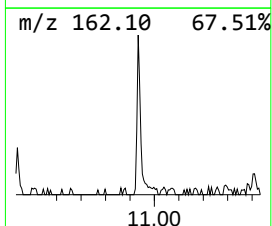
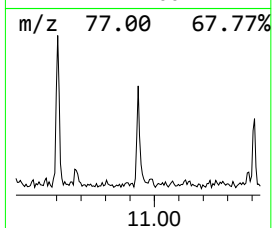
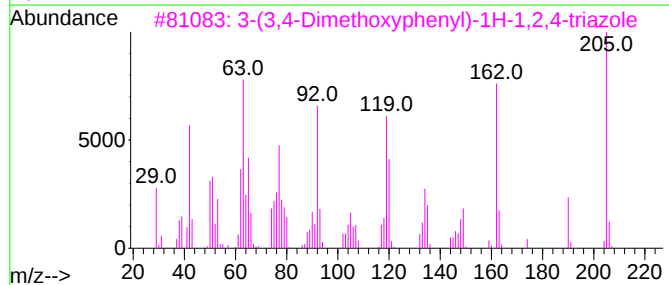
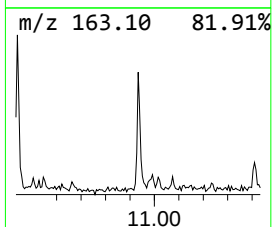
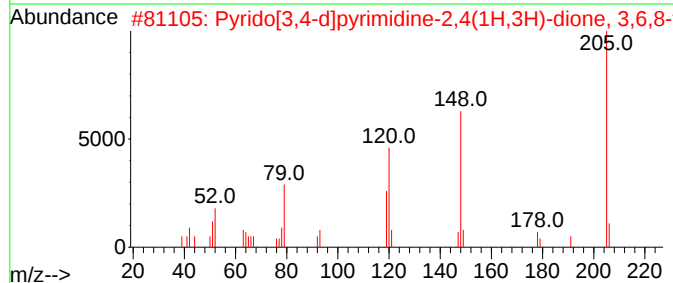
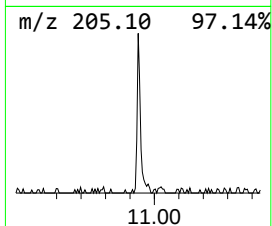
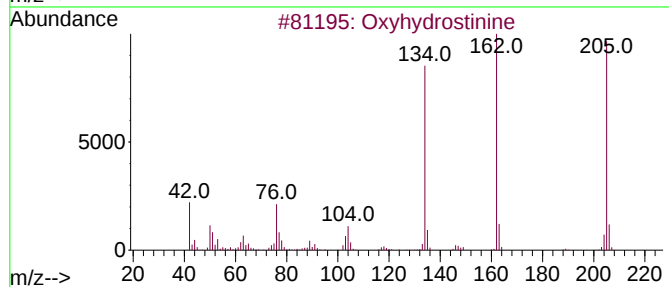
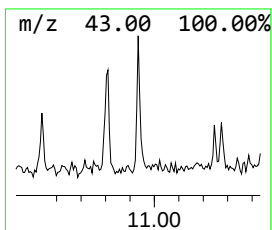
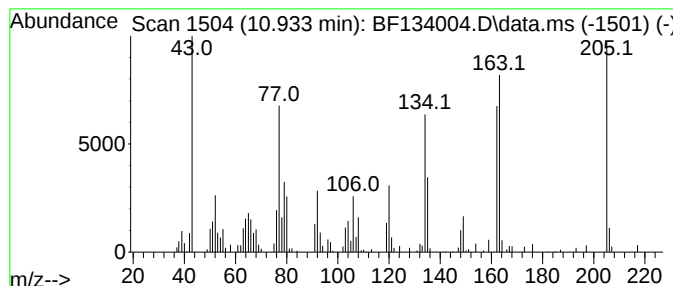
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 unknown10.933 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.933	2.88 ng	80355	Phenanthrene-d10	11.386

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxyhydrostinine	205	C11H11NO3	000552-29-4	42
2			Pyrido[3,4-d]pyrimidine-2,4(1H,3...	205	C10H11N3O2	022389-80-6	41
3			3-(3,4-Dimethoxyphenyl)-1H-1,2,4...	205	C10H11N3O2	1000460-11-5	38
4			4-(2-Oxopropyl)-2H-1,4-benzoxazi...	205	C11H11NO3	105492-42-0	35
5			1,2,4-Triazolo[4,3-b]pyridazine,...	134	C6H6N4	018591-78-1	14



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
Data File : BF134004.D
Acq On : 27 Jun 2023 22:22
Operator : CG\JU
Sample : 03394-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

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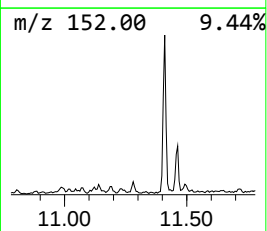
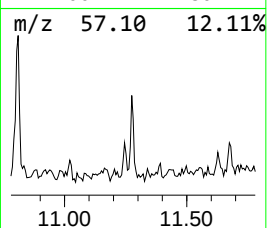
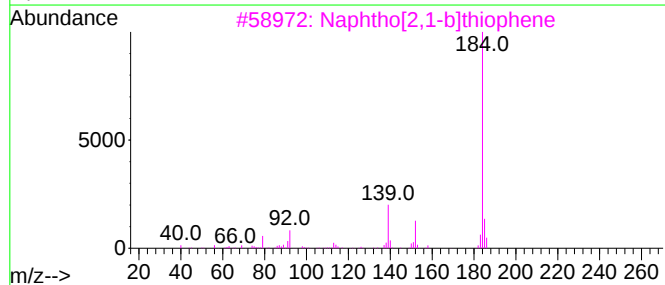
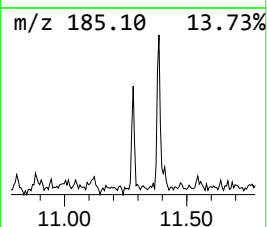
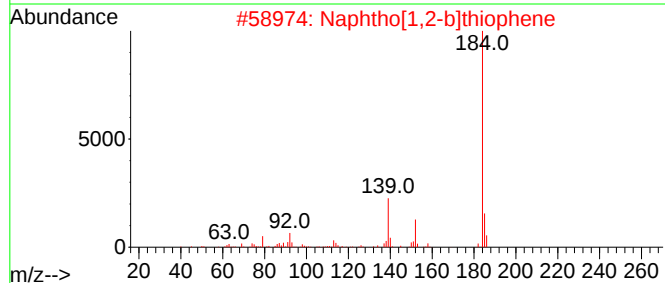
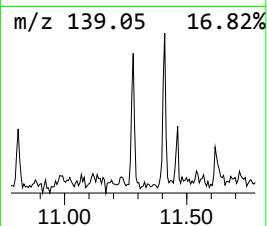
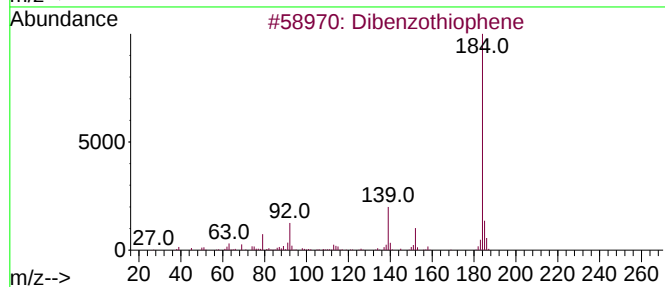
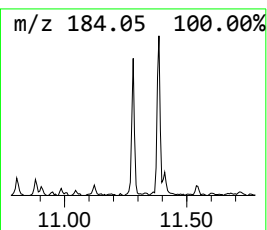
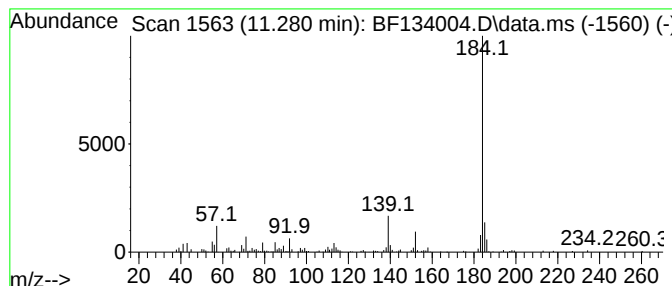
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.280	3.46 ng	96331	Phenanthrene-d10	11.386

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene	184	C12H8S	000132-65-0	93
2			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
3			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
4			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
5			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
Data File : BF134004.D
Acq On : 27 Jun 2023 22:22
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Misc :
ALS Vial : 23 Sample Multiplier: 1

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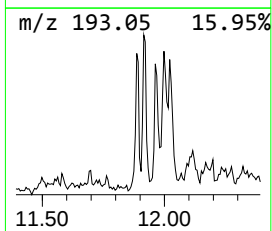
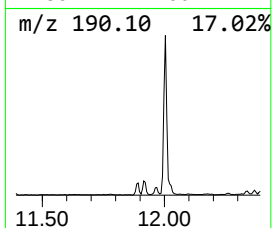
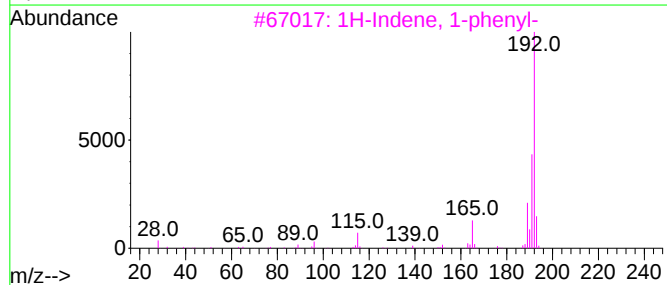
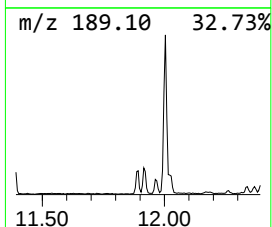
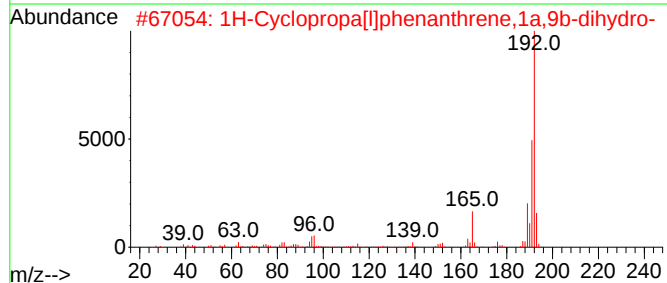
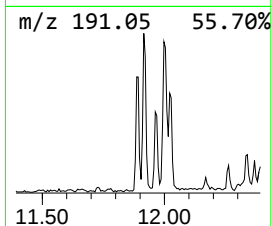
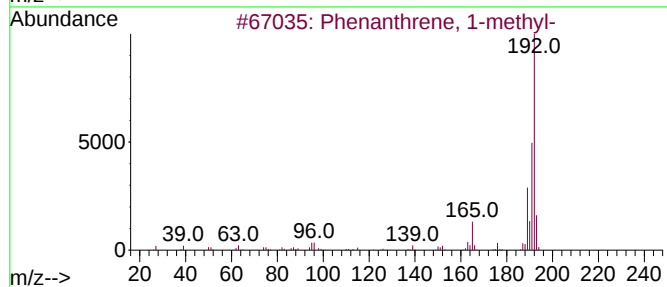
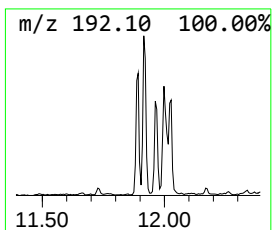
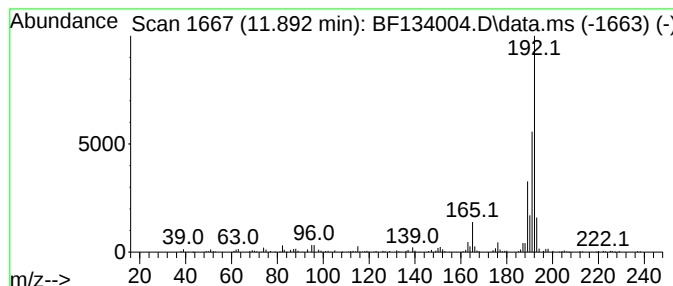
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.892	5.39 ng	150200	Phenanthrene-d10	11.386

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3			1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
4			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
Data File : BF134004.D
Acq On : 27 Jun 2023 22:22
Operator : CG\JU
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Misc :
ALS Vial : 23 Sample Multiplier: 1

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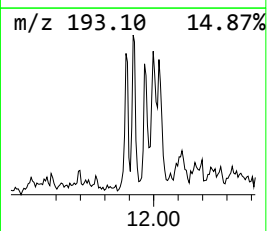
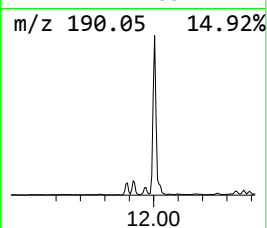
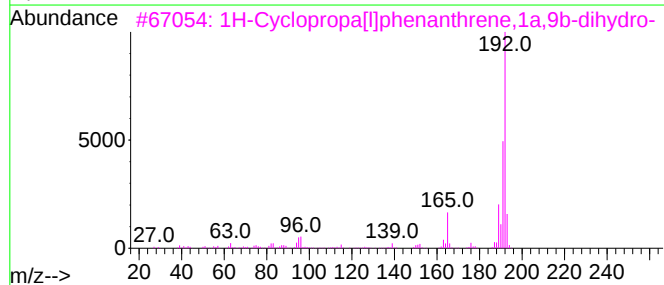
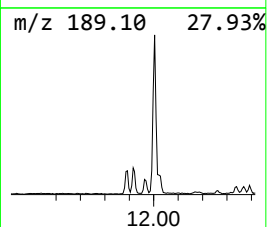
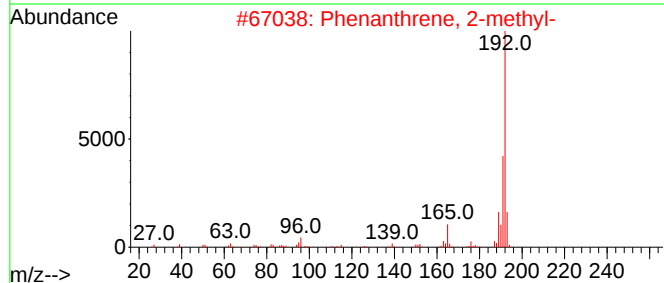
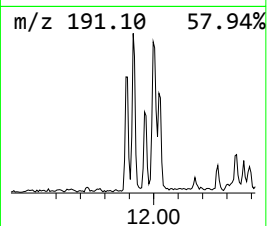
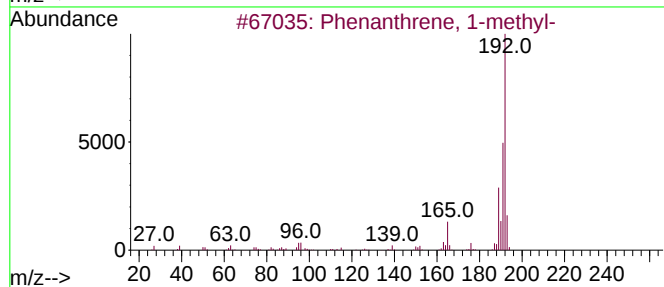
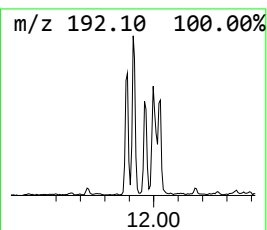
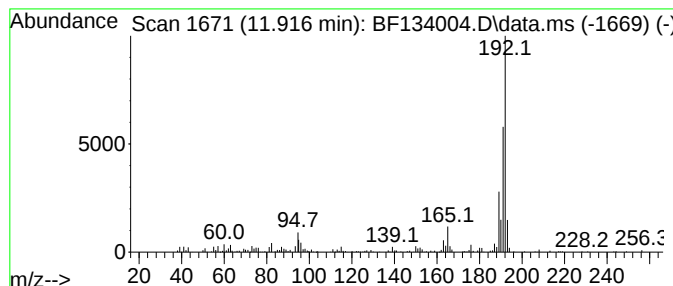
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	7.36 ng	205132	Phenanthrene-d10	11.386

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
Data File : BF134004.D
Acq On : 27 Jun 2023 22:22
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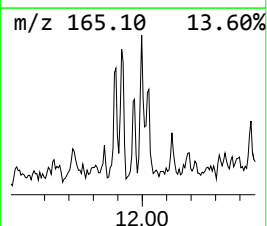
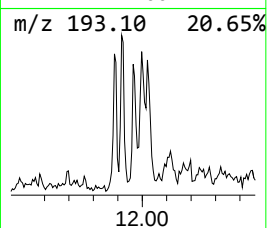
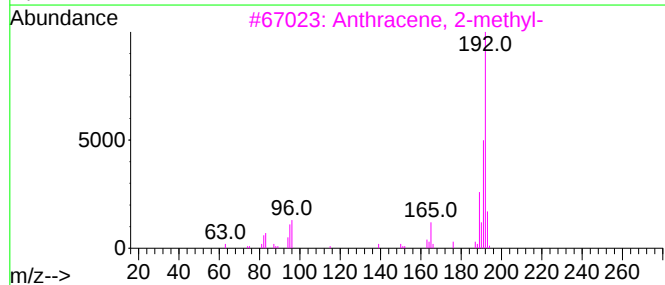
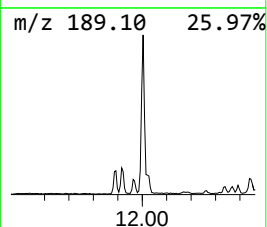
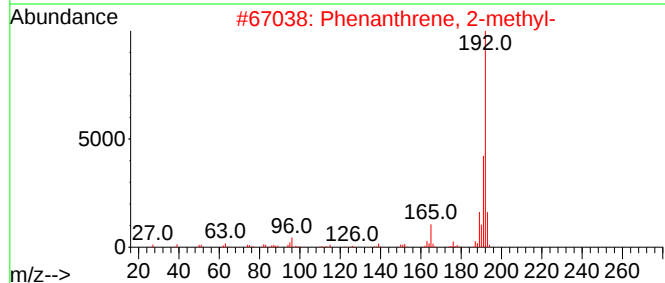
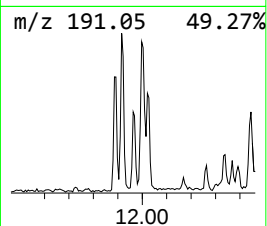
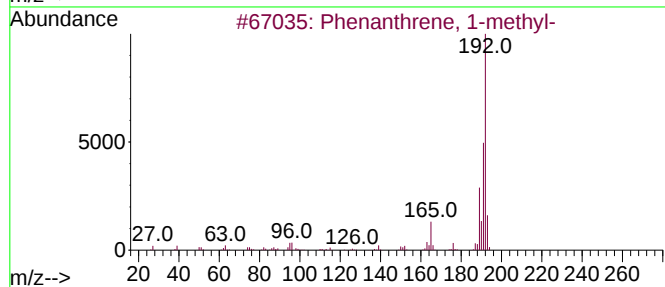
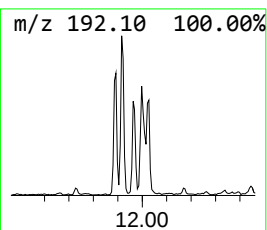
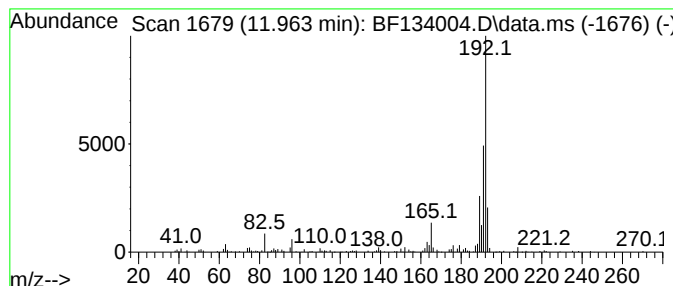
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Anthracene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.963	3.76 ng	104712	Phenanthrene-d10	11.386

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4			1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5			Anthracene, 9-methyl-	192	C15H12	000779-02-2	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
Data File : BF134004.D
Acq On : 27 Jun 2023 22:22
Operator : CG\JU
Sample : 03394-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

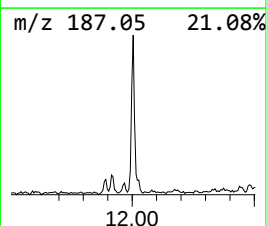
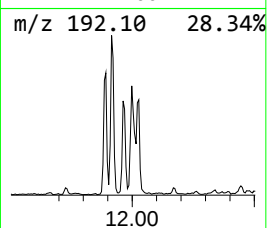
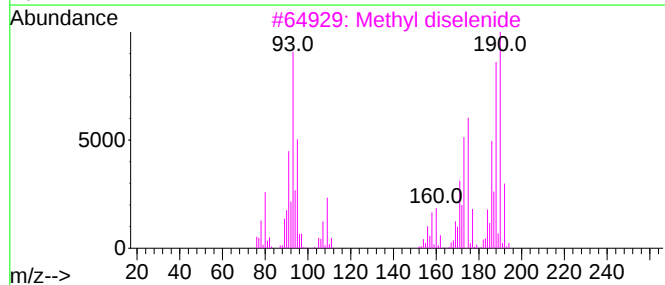
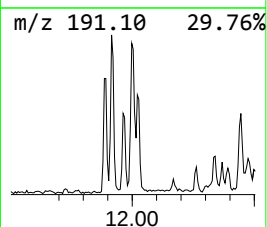
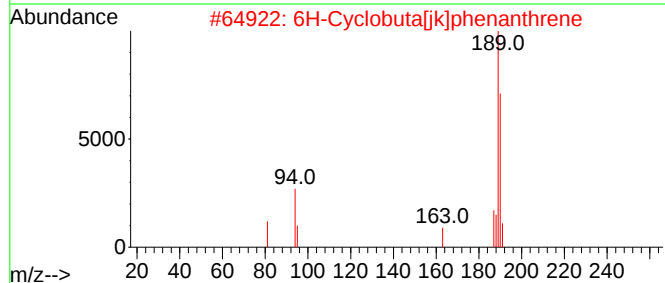
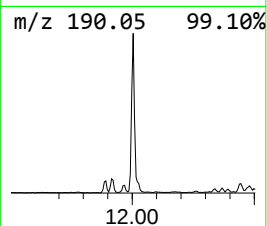
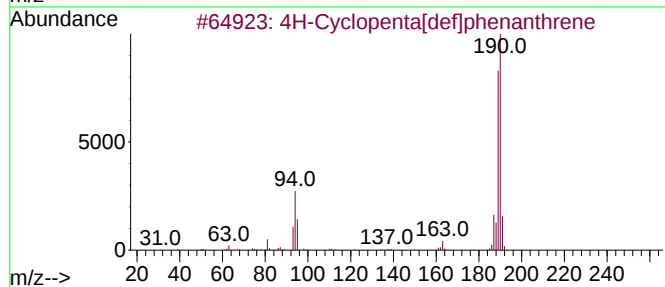
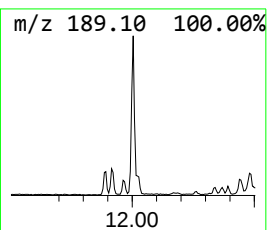
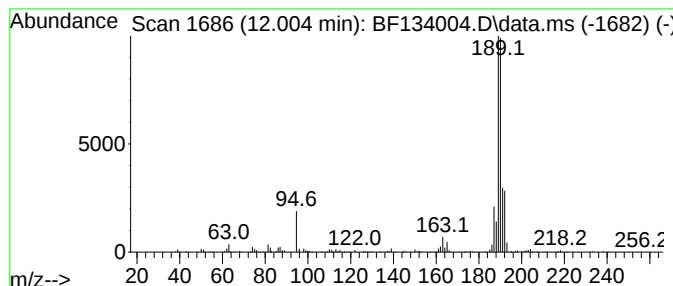
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BNA_F
ClientSampleId :
ORA-1651

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
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.	
12.004	14.89 ng	414974	Phenanthrene-d10	11.386	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	55
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	Cyclohexanone, 2-(2-furanylmethy...	190	C12H14O2	056053-07-7	27



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
Data File : BF134004.D
Acq On : 27 Jun 2023 22:22
Operator : CG\JU
Sample : 03394-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ORA-1651

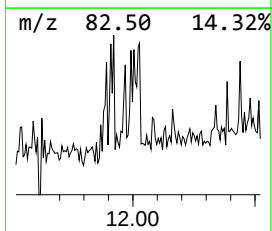
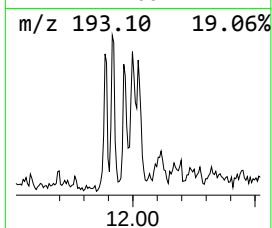
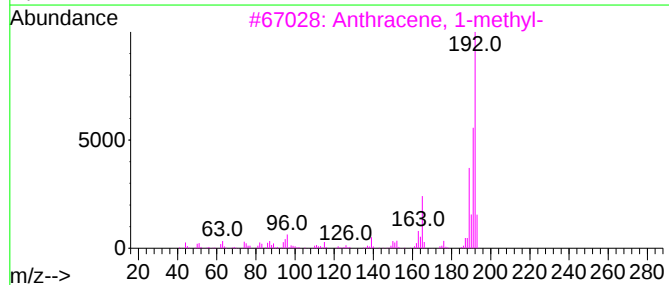
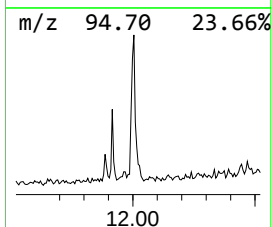
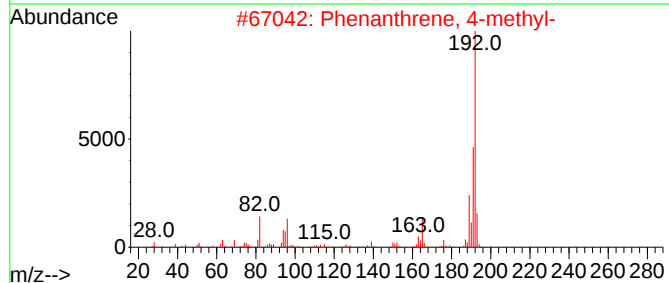
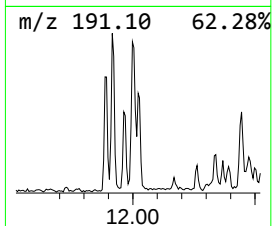
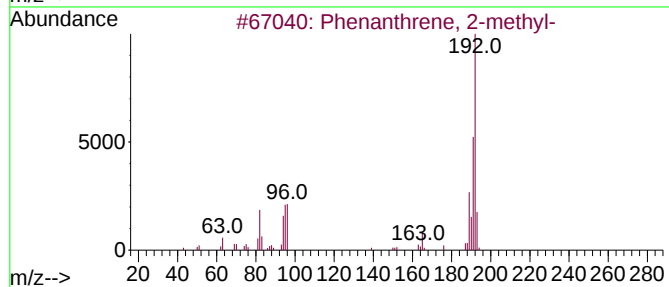
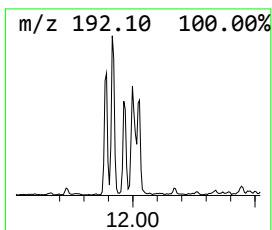
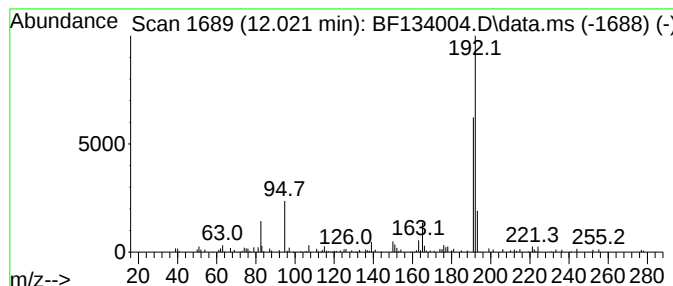
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.022	3.77 ng	104979	Phenanthrene-d10	11.386

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86
2			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83
3			Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
4			Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	80
5			Anthracene, 2-methyl-	192	C15H12	000613-12-7	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
Data File : BF134004.D
Acq On : 27 Jun 2023 22:22
Operator : CG\JU
Sample : 03394-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

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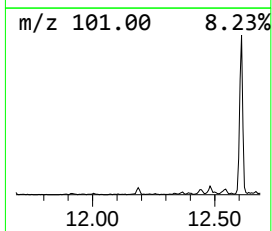
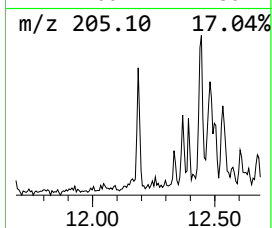
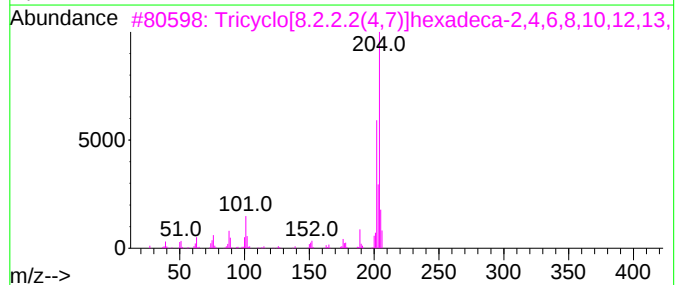
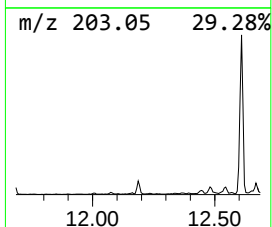
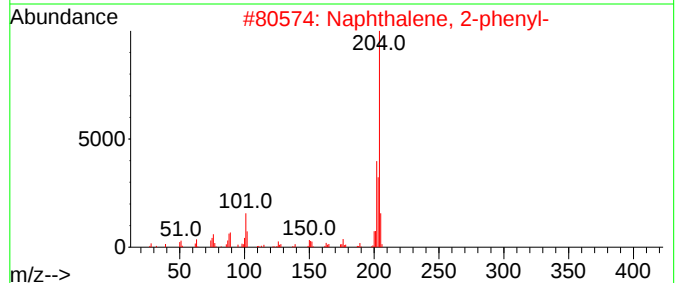
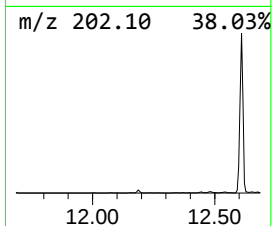
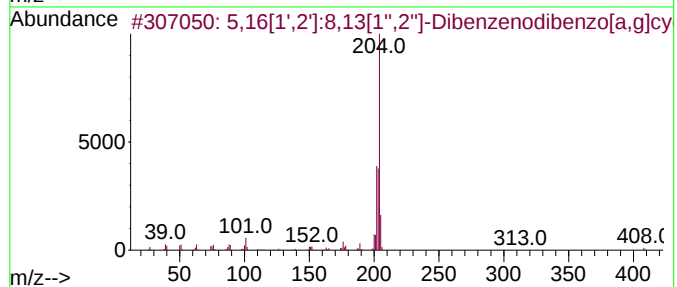
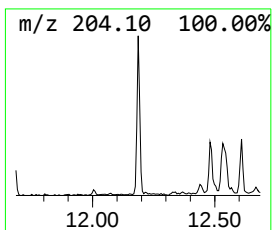
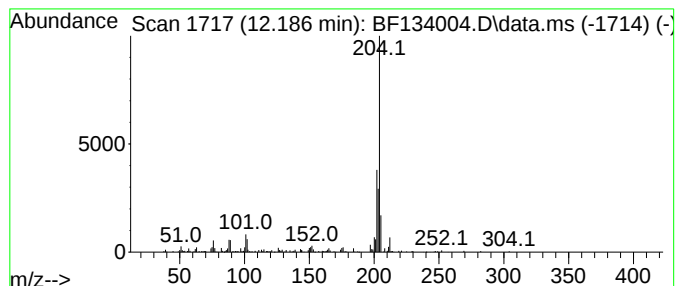
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.186	4.29 ng	119571	Phenanthrene-d10	11.386

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78	
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76	
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68	
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	52	
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	52	



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
Data File : BF134004.D
Acq On : 27 Jun 2023 22:22
Operator : CG\JU
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Misc :
ALS Vial : 23 Sample Multiplier: 1

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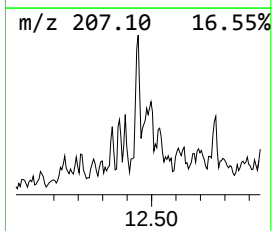
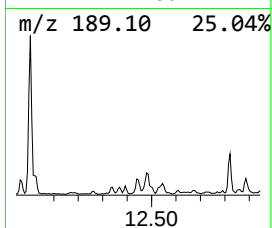
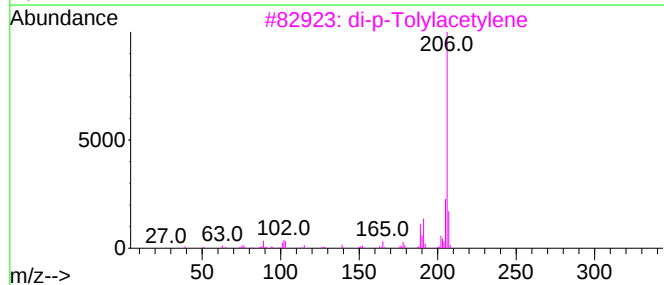
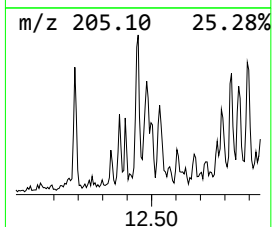
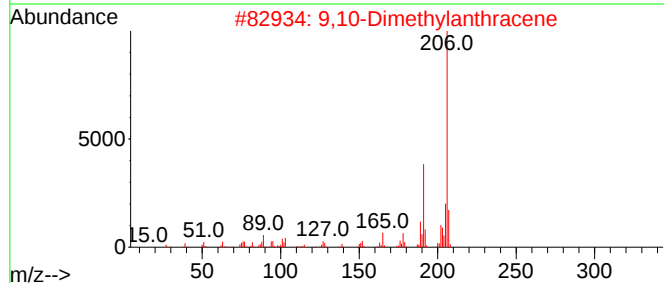
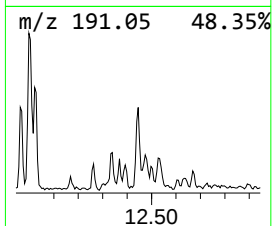
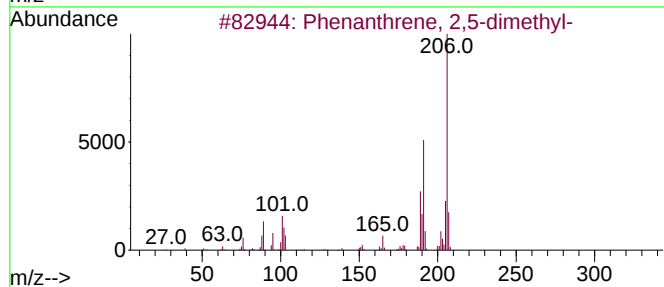
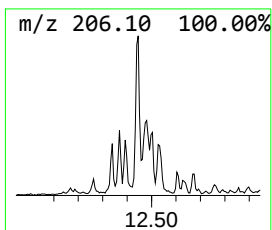
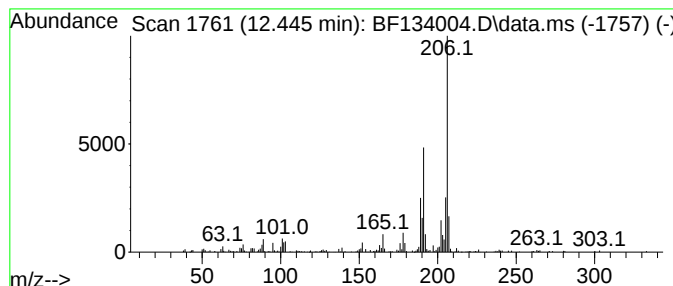
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.445	5.98 ng	166783	Phenanthrene-d10	11.386

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	96
3		di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4		3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	90
5		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
Data File : BF134004.D
Acq On : 27 Jun 2023 22:22
Operator : CG\JU
Sample : 03394-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

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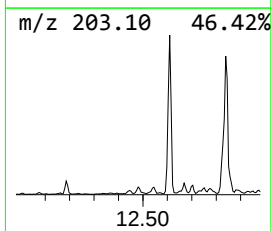
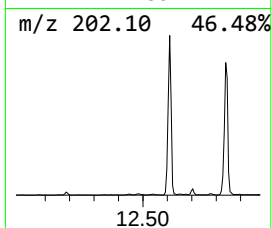
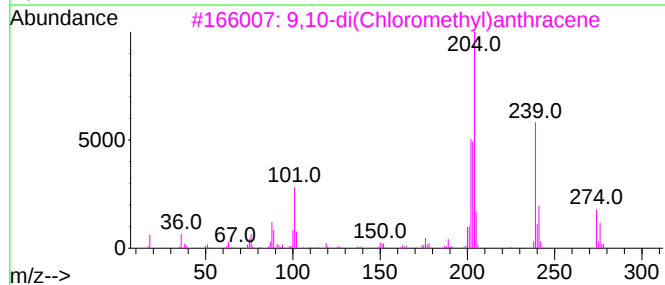
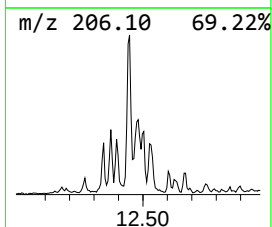
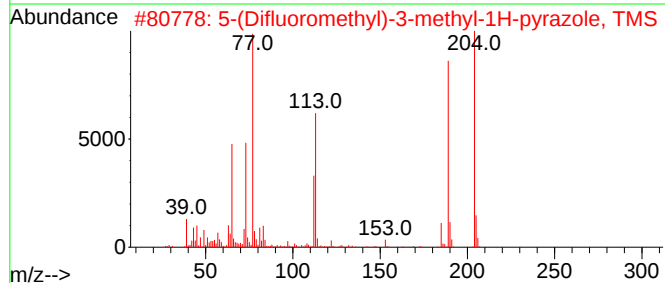
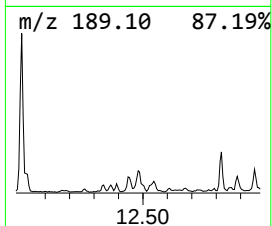
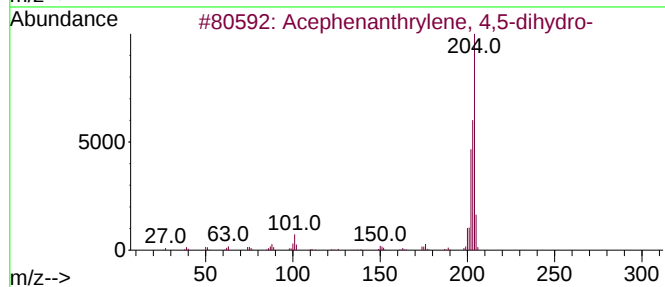
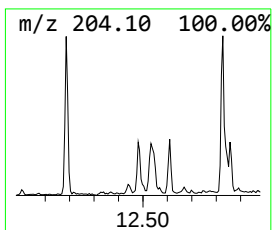
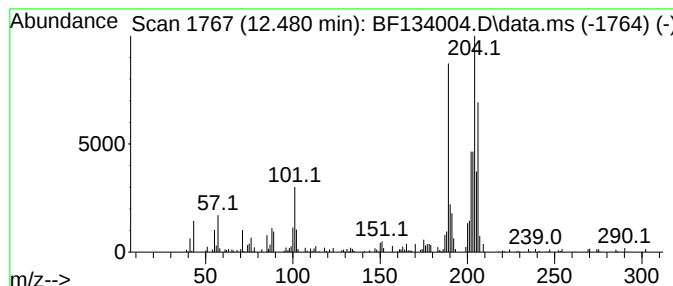
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown12.480 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.480	4.24 ng	118128	Phenanthrene-d10	11.386

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	46
2			5-(Difluoromethyl)-3-methyl-1H-p...	204	C8H14F2N2Si	1000498-58-2	43
3			9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	43
4			5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	42
5			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	41



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
Data File : BF134004.D
Acq On : 27 Jun 2023 22:22
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Sample : 03394-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

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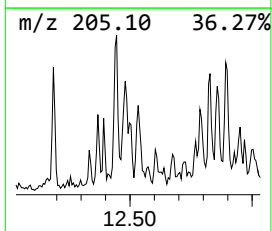
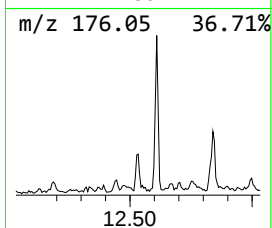
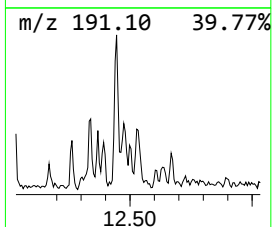
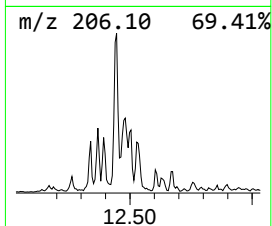
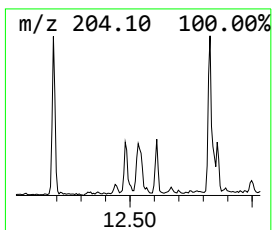
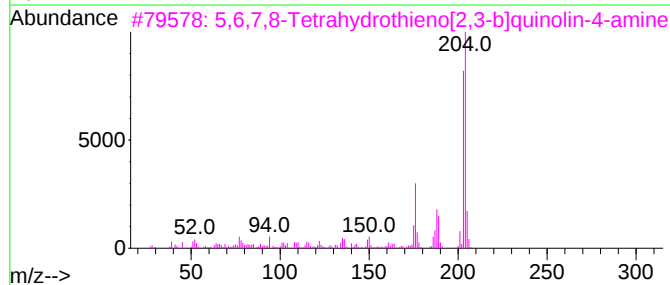
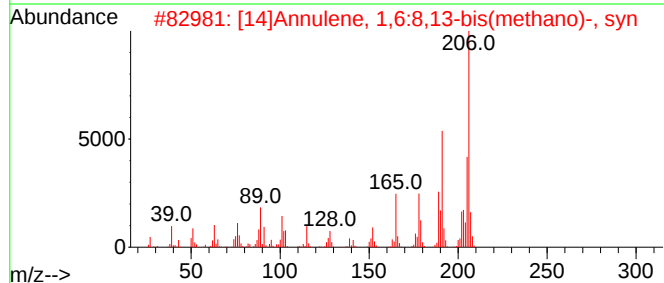
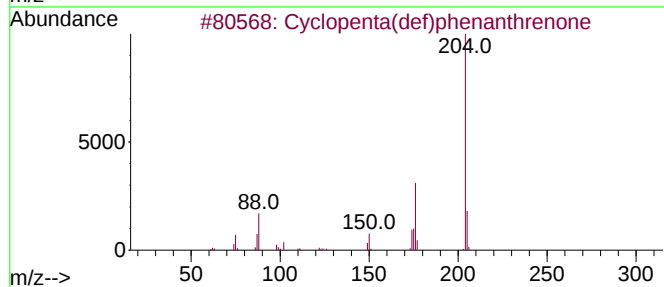
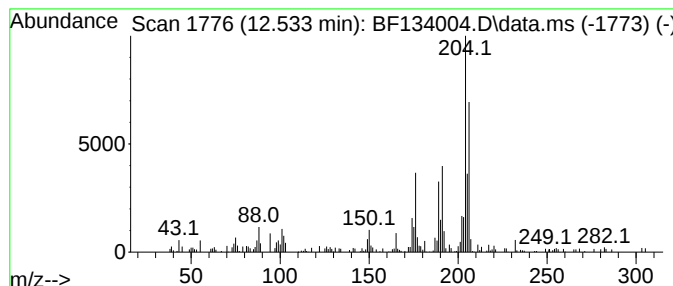
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown12.533 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.533	3.94 ng	109790	Phenanthrene-d10	11.386

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	46
2			[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	43
3			5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	43
4			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	43
5			[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
Data File : BF134004.D
Acq On : 27 Jun 2023 22:22
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ALS Vial : 23 Sample Multiplier: 1

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ClientSampleId :
ORA-1651

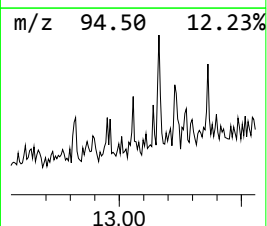
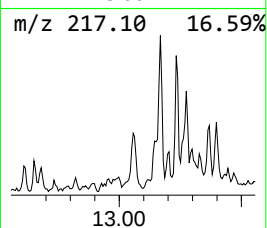
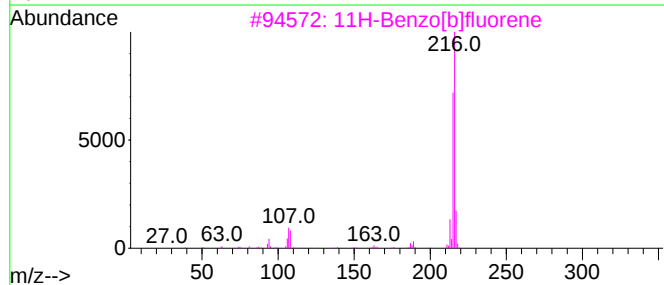
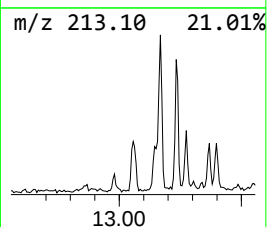
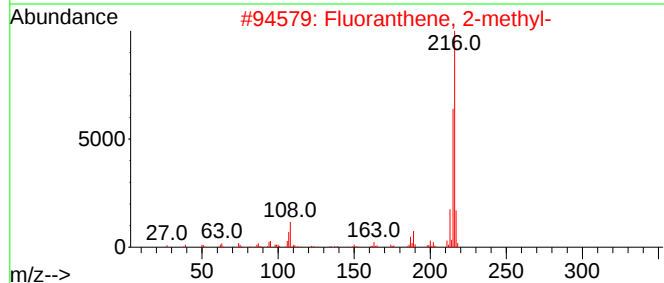
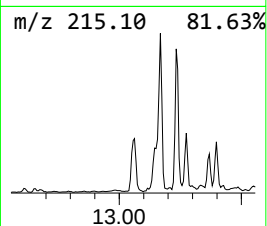
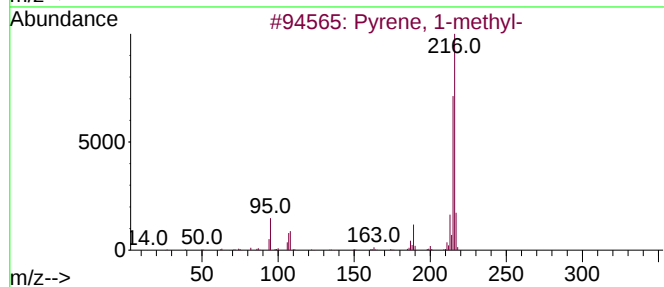
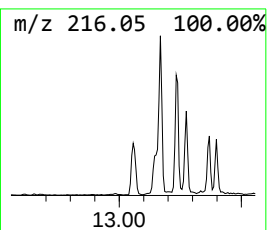
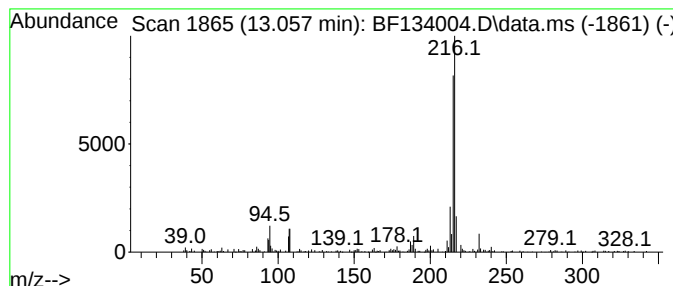
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.057	3.67 ng	192783	Chrysene-d12	14.045

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4		Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
Data File : BF134004.D
Acq On : 27 Jun 2023 22:22
Operator : CG\JU
Sample : 03394-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ORA-1651

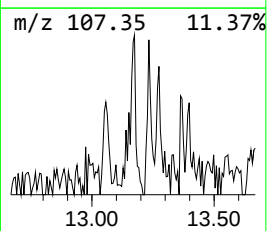
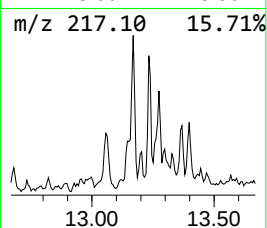
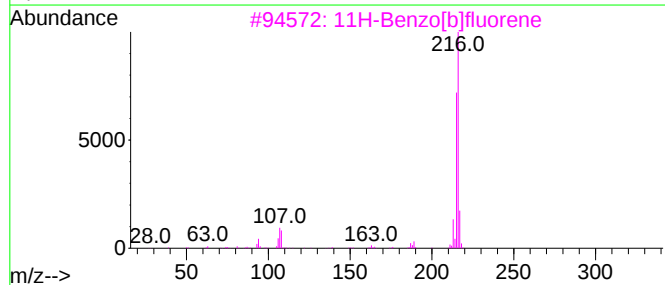
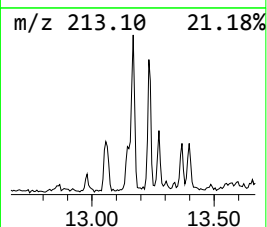
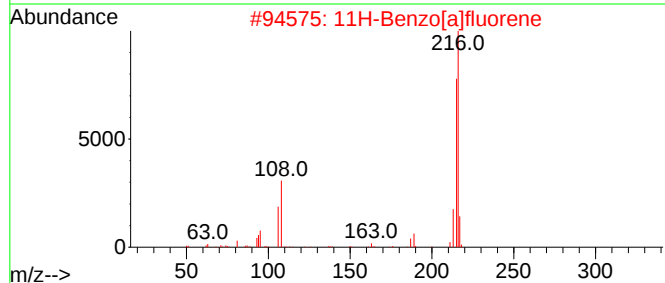
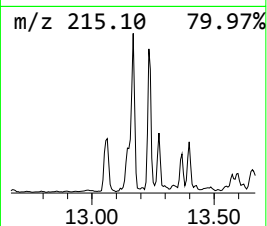
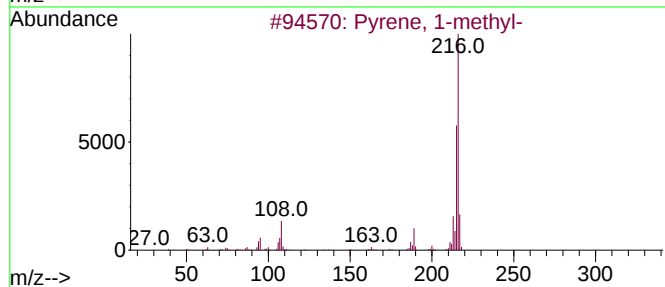
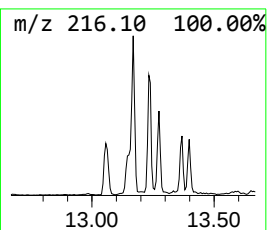
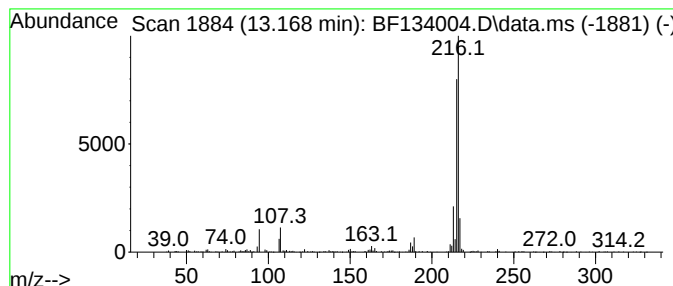
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 11H-Benzo[a]fluorene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.169	5.75 ng	302075	Chrysene-d12	14.045

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
Data File : BF134004.D
Acq On : 27 Jun 2023 22:22
Operator : CG\JU
Sample : 03394-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ORA-1651

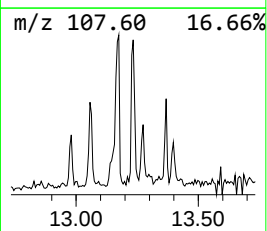
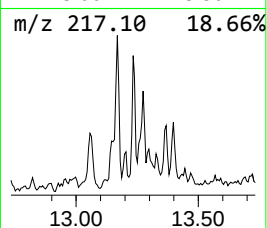
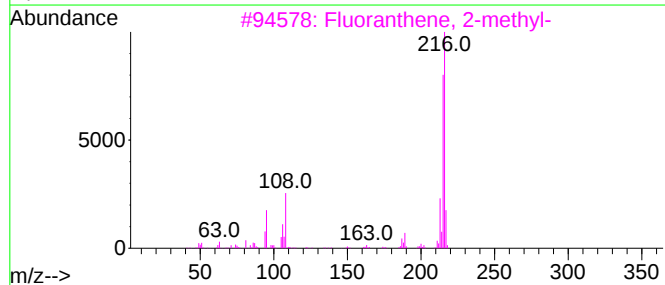
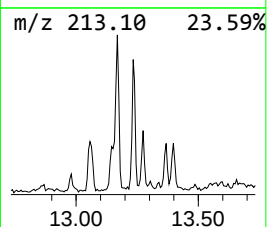
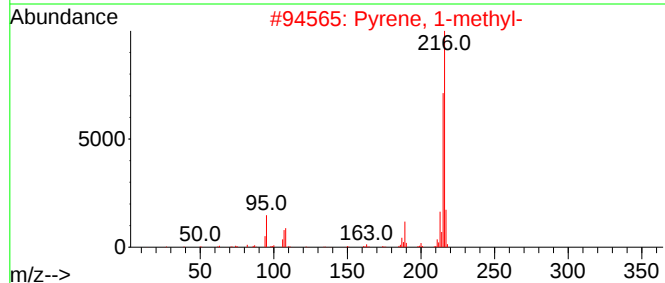
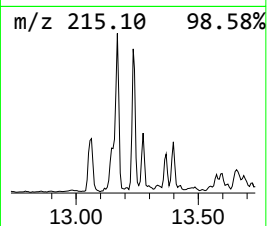
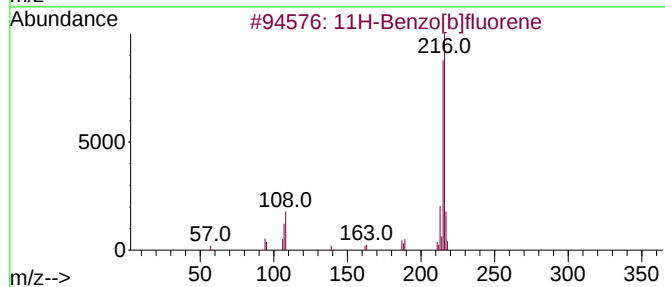
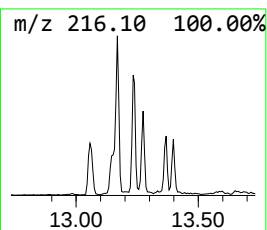
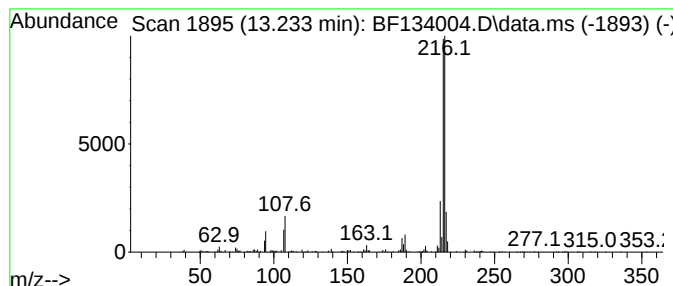
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.233	3.99 ng	209292	Chrysene-d12	14.045

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
Data File : BF134004.D
Acq On : 27 Jun 2023 22:22
Operator : CG\JU
Sample : 03394-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ORA-1651

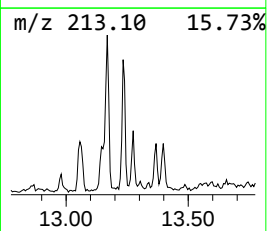
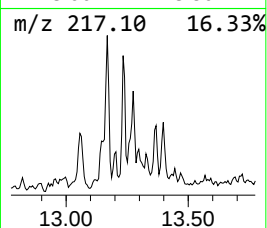
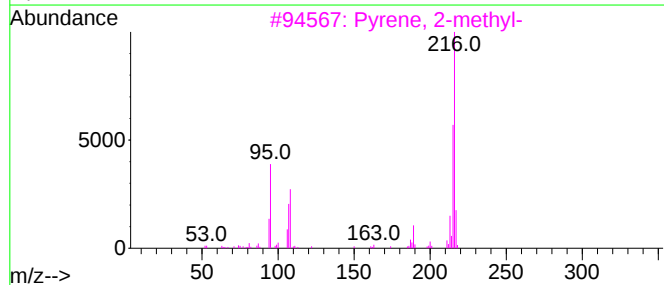
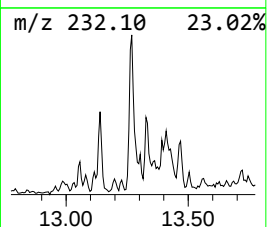
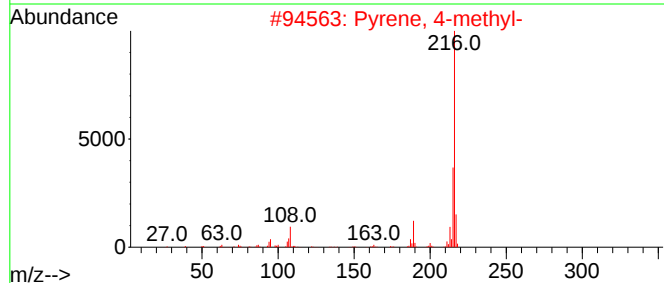
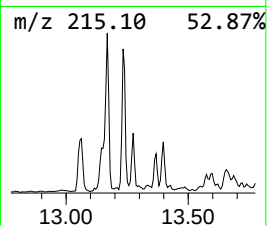
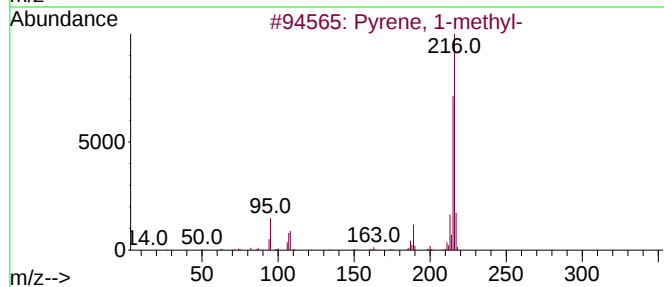
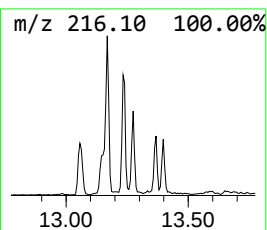
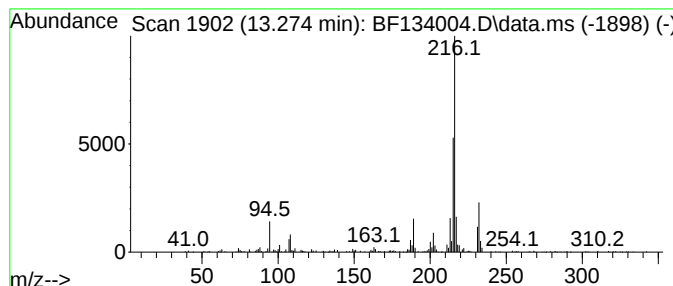
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Pyrene, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.274	3.66 ng	191956	Chrysene-d12	14.045

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2			Pyrene, 4-methyl-	216	C17H12	003353-12-6	92
3			Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
4			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	89
5			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
Data File : BF134004.D
Acq On : 27 Jun 2023 22:22
Operator : CG\JU
Sample : 03394-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

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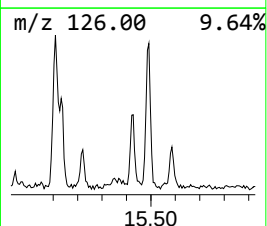
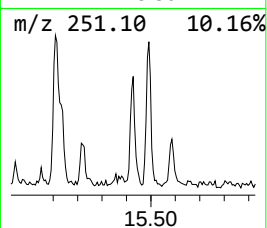
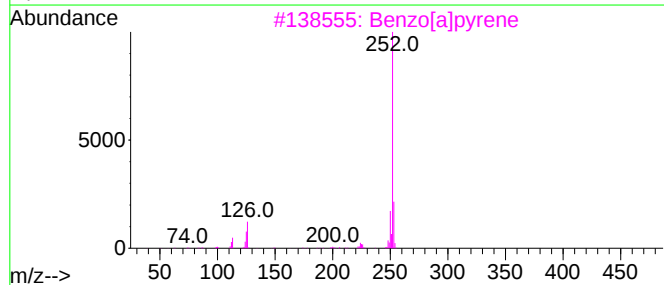
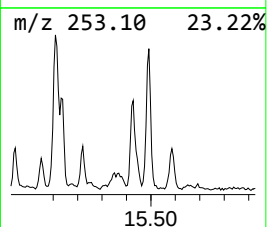
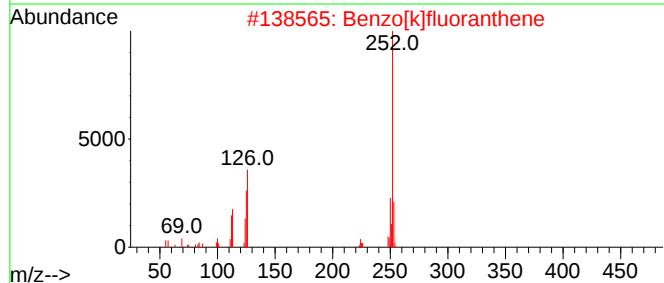
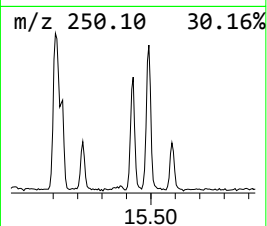
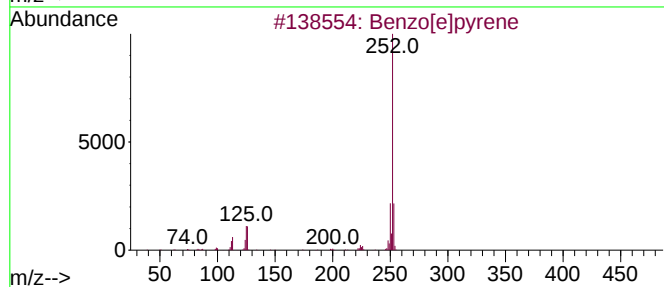
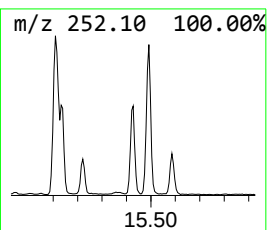
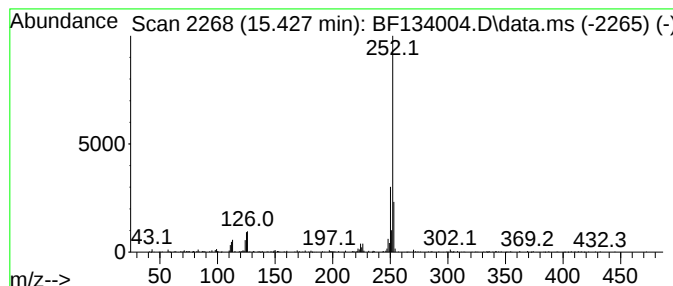
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.427	19.66 ng	267688	Perylene-d12	15.557

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	95
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3			Benzo[a]pyrene	252	C20H12	000050-32-8	90
4			Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5			Benzo[b]fluoranthene	252	C20H12	000205-99-2	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
 Data File : BF134004.D
 Acq On : 27 Jun 2023 22:22
 Operator : CG\JU
 Sample : 03394-01 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ORA-1651

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.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
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unknown9.610	9.610	2.8	ng	73101	3	9.892	526208	20.0
Pyridine, 4,4'-...	10.598	2.7	ng	71437	3	9.892	526208	20.0
unknown10.810	10.810	3.5	ng	98577	4	11.386	557487	20.0
unknown10.933	10.933	2.9	ng	80355	4	11.386	557487	20.0
Dibenzothiophene	11.280	3.5	ng	96331	4	11.386	557487	20.0
Phenanthrene, 1...	11.892	5.4	ng	150200	4	11.386	557487	20.0
Phenanthrene, 2...	11.916	7.4	ng	205132	4	11.386	557487	20.0
Anthracene, 2-m...	11.963	3.8	ng	104712	4	11.386	557487	20.0
4H-Cyclopenta[d...	12.004	14.9	ng	414974	4	11.386	557487	20.0
Phenanthrene, 4...	12.022	3.8	ng	104979	4	11.386	557487	20.0
5,16[1',2']:8,1...	12.186	4.3	ng	119571	4	11.386	557487	20.0
Phenanthrene, 2...	12.445	6.0	ng	166783	4	11.386	557487	20.0
unknown12.480	12.480	4.2	ng	118128	4	11.386	557487	20.0
unknown12.533	12.533	3.9	ng	109790	4	11.386	557487	20.0
Pyrene, 1-methyl-	13.057	3.7	ng	192783	5	14.045	1050160	20.0
11H-Benzo[a]flu...	13.169	5.8	ng	302075	5	14.045	1050160	20.0
11H-Benzo[b]flu...	13.233	4.0	ng	209292	5	14.045	1050160	20.0
Pyrene, 4-methyl-	13.274	3.7	ng	191956	5	14.045	1050160	20.0
Benzo[e]pyrene	15.427	19.7	ng	267688	6	15.557	272357	20.0