LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
Data File : BF133807.D
Acq On : 16 Jun 2023 15:20
Operator : CG\JU
Sample : 03186-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-061323

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-BF060923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF133807.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.087	506	510	515	rBV	77807	88462	1.71%	0.156%
2	5.487	574	578	581	rBV	1434711	1249075	24.19%	2.202%
3	6.493	744	749	752	rBV	1692379	1507294	29.20%	2.658%
4	6.863	808	812	815	rBV	720409	565105	10.95%	0.996%
5	7.422	903	907	910	rBV	1100279	850131	16.47%	1.499%
6	8.140	1026	1029	1031	rBV	913895	709848	13.75%	1.252%
7	8.163	1031	1033	1036	rVB	385184	281181	5.45%	0.496%
8	8.851	1147	1150	1155	rVB	419856	320938	6.22%	0.566%
9	8.951	1164	1167	1170	rBV	288465	214898	4.16%	0.379%
10	9.216	1208	1212	1215	rBV	2394128	1865615	36.14%	3.290%
11	9.316	1227	1229	1234	rVB	139266	99332	1.92%	0.175%
12	9.410	1243	1245	1252	rVB	91889	90432	1.75%	0.159%
13	9.481	1252	1257	1261	rBV2	146706	210540	4.08%	0.371%
14	9.551	1266	1269	1272	rBV	216420	219103	4.24%	0.386%
15	9.581	1272	1274	1277	rVB	167119	118948	2.30%	0.210%
16	9.669	1286	1289	1295	rBV	102883	118628	2.30%	0.209%
17	9.757	1301	1304	1308	rVB	149642	121576	2.35%	0.214%
18	9.898	1325	1328	1331	rVB	923444	710195	13.76%	1.252%
19	9.928	1331	1333	1337	rVB	850118	677412	13.12%	1.194%
20	9.998	1342	1345	1350	rBV2	50357	69847	1.35%	0.123%
21	10.104	1359	1363	1366	rVV	594052	519471	10.06%	0.916%
22	10.216	1378	1382	1384	rBV2	62499	65589	1.27%	0.116%
23	10.304	1393	1397	1399	rBV2	70328	84114	1.63%	0.148%
24	10.445	1417	1421	1427	rBV	1157013	1049079	20.32%	1.850%
25	10.498	1427	1430	1431	rBV	71688	67825	1.31%	0.120%
26	10.533	1434	1436	1438	rVB2	163491	117097	2.27%	0.206%
27	10.604	1446	1448	1452	rVB2	280219	320494	6.21%	0.565%
28	10.686	1458	1462	1466	rBV	1517678	1403567	27.19%	2.475%
29	10.733	1466	1470	1474	rVB2	63615	84160	1.63%	0.148%
30	10.816	1479	1484	1487	rVB3	108832	138897	2.69%	0.245%
31	10.998	1508	1515	1517	rBV2	216332	253577	4.91%	0.447%
32	11.022	1517	1519	1522	rVV2	104229	111595	2.16%	0.197%
33	11.080	1526	1529	1532	rVV	106305	101068	1.96%	0.178%
34	11.128	1532	1537	1538	rVV2	96443	125004	2.42%	0.220%
35	11.145	1538	1540	1542	rVV2	109293	106367	2.06%	0.188%
36	11.192	1546	1548	1552	rVV2	96113	90427	1.75%	0.159%

LSC Area Percent Report

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Operator : CG\JU
Sample : 03186-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-061323

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-BF060923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.239	1552	1556	1558	rVV	112344	142462	2.76%	0.251%
38	11.286	1561	1564	1569	rVB	357472	312006	6.04%	0.550%
39	11.392	1578	1582	1584	rBV	749169	790799	15.32%	1.394%
40	11.422	1584	1587	1590	rVV	4276829	4357299	84.40%	7.683%
41	11.469	1590	1595	1598	rVV	1807422	1579976	30.60%	2.786%
42	11.498	1598	1600	1603	rVB2	98342	89513	1.73%	0.158%
43	11.622	1615	1621	1624	rBV2	296066	318490	6.17%	0.562%
44	11.686	1629	1632	1636	rVV2	160350	143900	2.79%	0.254%
45	11.722	1636	1638	1643	rVB3	89932	101231	1.96%	0.178%
46	11.898	1662	1668	1670	rBV	526498	612627	11.87%	1.080%
47	11.922	1670	1672	1676	rVV	1208778	1035973	20.07%	1.827%
48	11.969	1677	1680	1683	rVV	337933	328698	6.37%	0.580%
49	12.010	1683	1687	1689	rVV	1181046	1157633	22.42%	2.041%
50	12.027	1689	1690	1695	rVV	361861	279437	5.41%	0.493%
51	12.098	1700	1702	1705	rVV2	105687	98951	1.92%	0.174%
52	12.192	1715	1718	1720	rVV	491607	406505	7.87%	0.717%
53	12.216	1720	1722	1725	rVB2	149589	128167	2.48%	0.226%
54	12.339	1741	1743	1746	rVB	97979	85656	1.66%	0.151%
55	12.375	1746	1749	1751	rBV	111073	95346	1.85%	0.168%
56	12.398	1751	1753	1755	rVB	104655	77754	1.51%	0.137%
57	12.445	1758	1761	1765	rBV	244798	325346	6.30%	0.574%
58	12.486	1765	1768	1770	rVV	247291	270218	5.23%	0.476%
59	12.539	1774	1777	1781	rVB2	167859	220171	4.26%	0.388%
60	12.622	1786	1791	1794	rBV	4610832	4782639	92.64%	8.433%
61	12.710	1803	1806	1809	rBV2	235436	232188	4.50%	0.409%
62	12.763	1813	1815	1819	rVV	177764	186927	3.62%	0.330%
63	12.851	1823	1830	1835	rBV2	3912381	5162697	100.00%	9.103%
64	12.892	1835	1837	1842	rVB2	240720	243306	4.71%	0.429%
65	12.963	1845	1849	1850	rBV	300206	274393	5.31%	0.484%
66	12.986	1850	1853	1860	rVB	1871565	1839175	35.62%	3.243%
67	13.063	1860	1866	1869	rBV3	311256	567284	10.99%	1.000%
68	13.092	1869	1871	1873	rVB	90018	67639	1.31%	0.119%
69	13.151	1877	1881	1882	rBV2	204750	238831	4.63%	0.421%
70	13.174	1882	1885	1889	rVB	879204	798191	15.46%	1.407%
71	13.239	1893	1896	1899	rVB	693572	565895	10.96%	0.998%
72	13.274	1899	1902	1905	rBV2	355581	395635	7.66%	0.698%
73	13.333	1910	1912	1915	rBV	90707	76934	1.49%	0.136%
74	13.369	1915	1918	1921	rBV	187677	151116	2.93%	0.266%
75	13.398	1921	1923	1927	rBV2	192052	211092	4.09%	0.372%
76	13.657	1964	1967	1969	rBV2	108722	123583	2.39%	0.218%

LSC Area Percent Report

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Operator : CG\JU
Sample : 03186-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-061323

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-BF060923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.686	1970	1972	1976	rVB2	139337	151186	2.93%	0.267%
78	13.798	1988	1991	1993	rBV	169892	172920	3.35%	0.305%
79	13.827	1993	1996	1998	rBV	343174	345966	6.70%	0.610%
80	13.845	1998	1999	2001	rVB	134903	111215	2.15%	0.196%
81	13.916	2007	2011	2016	rVB	829171	1185805	22.97%	2.091%
82	13.963	2017	2019	2023	rVV2	82813	88435	1.71%	0.156%
83	14.045	2027	2033	2037	rVV2	1882300	2631705	50.98%	4.640%
84	14.080	2037	2039	2044	rVB	1587197	1361148	26.37%	2.400%
85	14.157	2049	2052	2055	rVB	420035	338579	6.56%	0.597%
86	14.198	2056	2059	2060	rBV	93580	87351	1.69%	0.154%
87	14.404	2091	2094	2096	rBV	96756	87687	1.70%	0.155%
88	14.439	2098	2100	2103	rVV	327600	273644	5.30%	0.483%
89	14.474	2103	2106	2109	rVV2	153672	150592	2.92%	0.266%
90	14.533	2113	2116	2119	rVV2	206020	271641	5.26%	0.479%
91	14.563	2119	2121	2123	rVV2	180700	186680	3.62%	0.329%
92	14.586	2123	2125	2128	rVB2	223729	191715	3.71%	0.338%
93	15.121	2211	2216	2219	rBV	893774	1527942	29.60%	2.694%
94	15.227	2231	2234	2238	rVB	219271	226513	4.39%	0.399%
95	15.433	2265	2269	2275	rVB	508803	718317	13.91%	1.267%
96	15.504	2276	2281	2286	rVV	803417	1110331	21.51%	1.958%
97	15.563	2287	2291	2294	rVV	269847	382405	7.41%	0.674%
98	15.598	2294	2297	2305	rVB2	268666	400094	7.75%	0.705%
99	17.115	2550	2555	2563	rVB2	299949	641589	12.43%	1.131%
100	17.586	2631	2635	2647	rVB	218099	466198	9.03%	0.822%

Sum of corrected areas: 56712232

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
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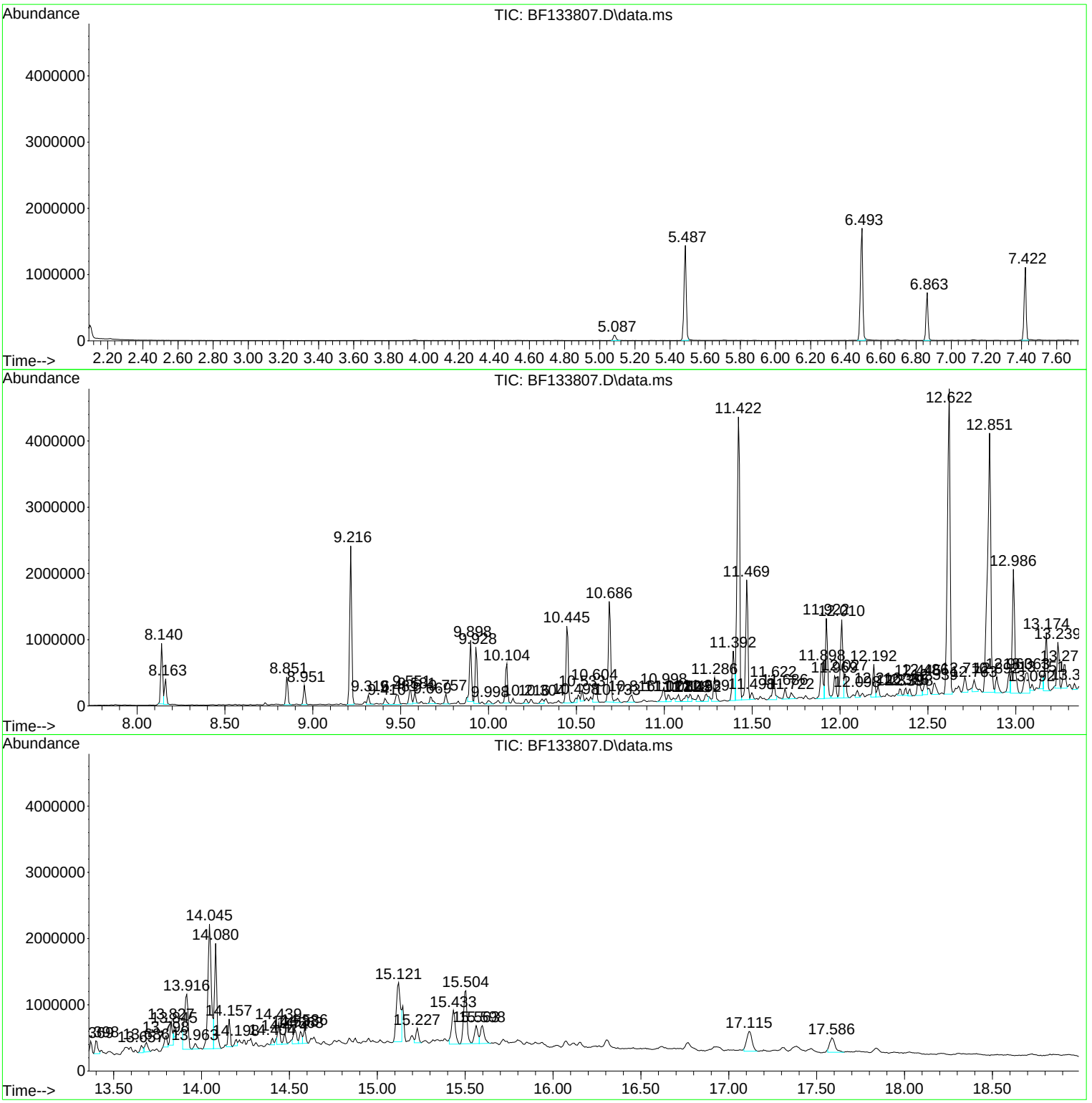
Instrument :
BNA_F
ClientSampleId :
OR-03-061323

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
Data File : BF133807.D
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Instrument :
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ClientSampleId :
OR-03-061323

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

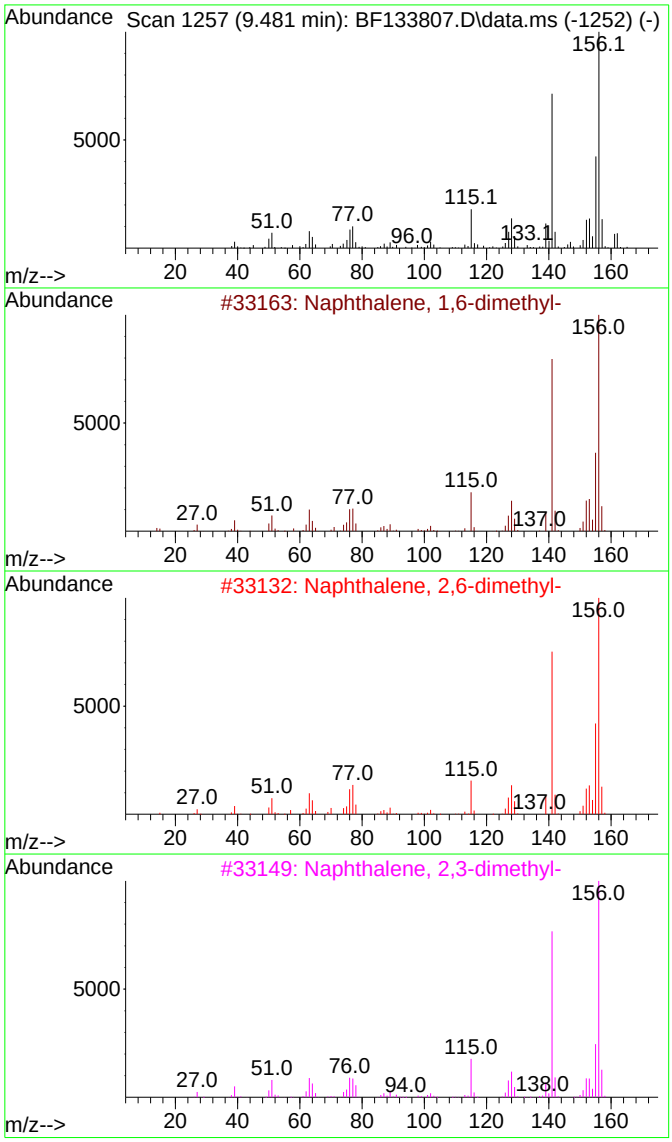
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

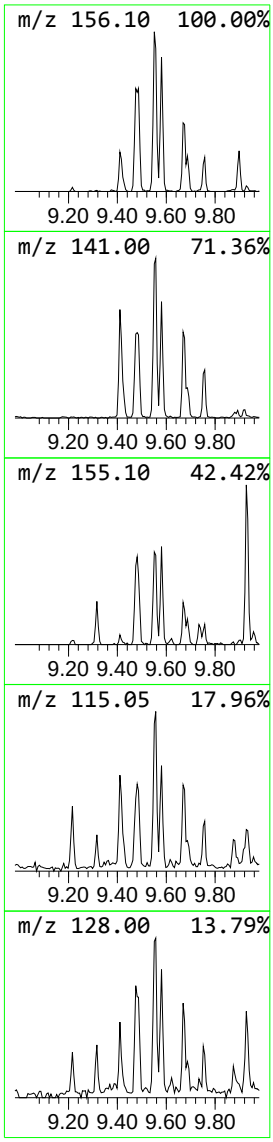
****

Peak Number 1 Naphthalene, 1,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.481	5.93 ng	210540	Acenaphthene-d10	9.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
Data File : BF133807.D
Acq On : 16 Jun 2023 15:20
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Sample : 03186-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-061323

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

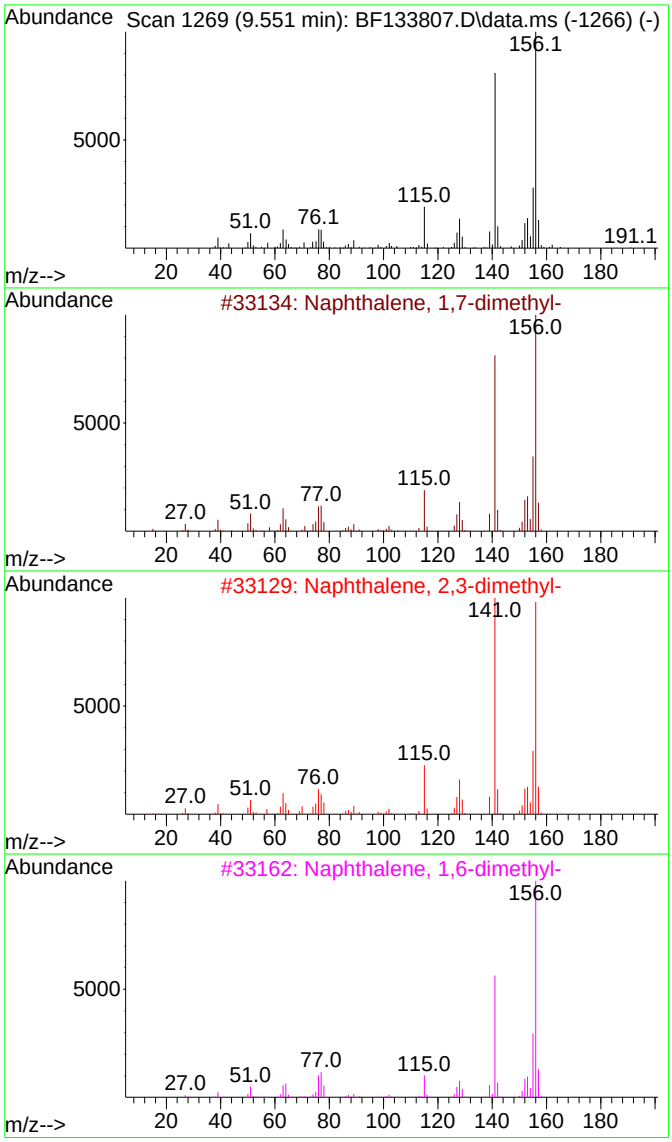
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

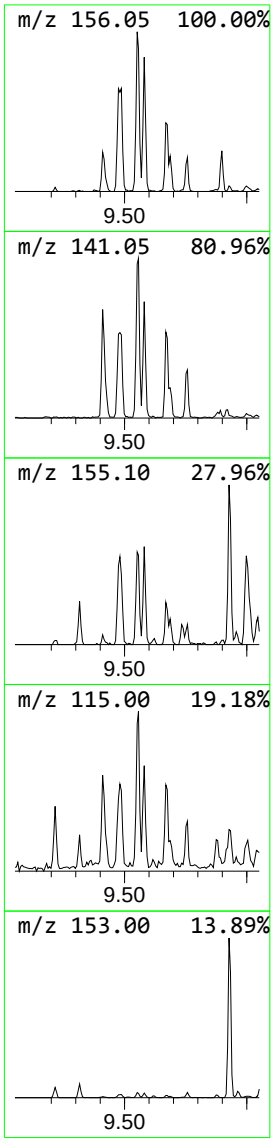
****

Peak Number 2 Naphthalene, 1,7-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.551	6.17 ng	219103	Acenaphthene-d10	9.898

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
Data File : BF133807.D
Acq On : 16 Jun 2023 15:20
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Sample : 03186-01
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ALS Vial : 5 Sample Multiplier: 1

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.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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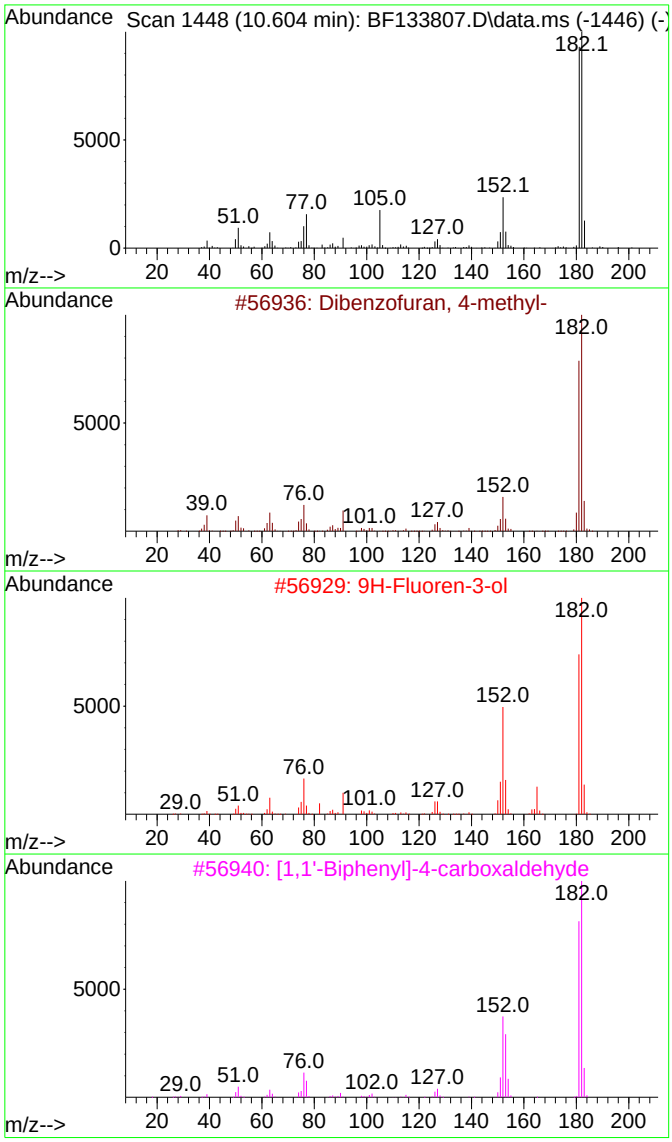
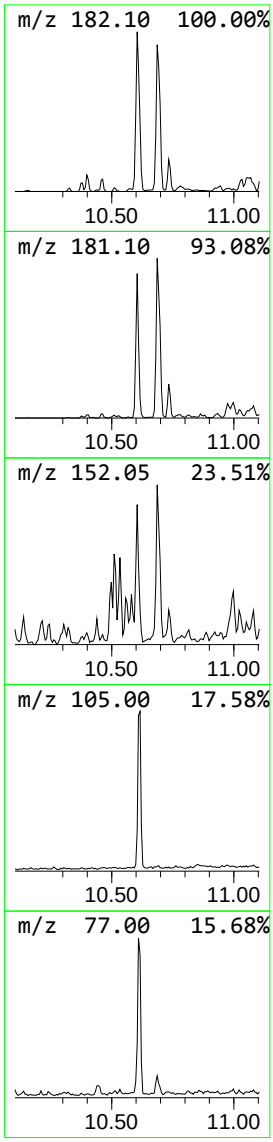
Peak Number 3 Dibenzofuran, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.604	9.03 ng	320494	Acenaphthene-d10	9.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	90
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	80
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
5	8-Methyl-5H-pyrido[4,3-b]indole	182	C12H10N2	088894-13-7	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
Data File : BF133807.D
Acq On : 16 Jun 2023 15:20
Operator : CG\JU
Sample : 03186-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-061323

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.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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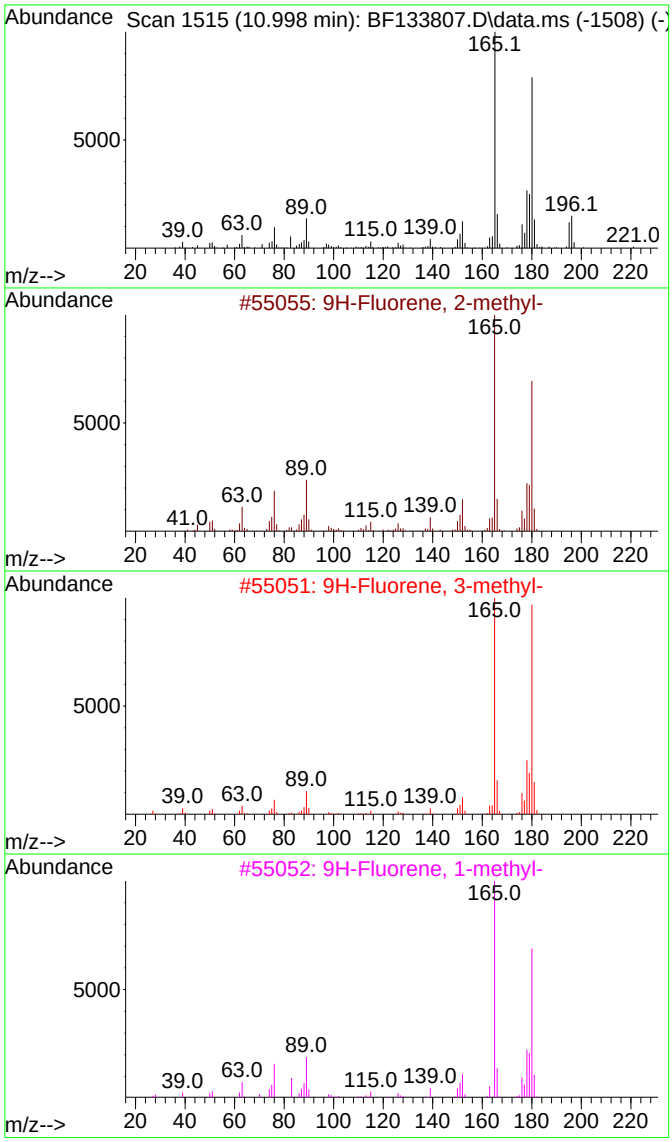
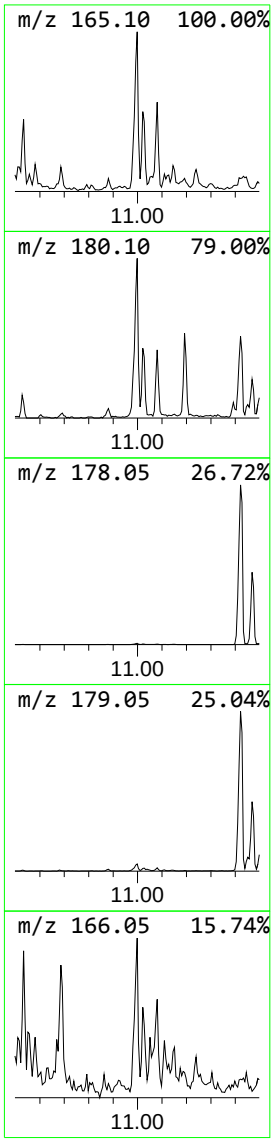
Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.998	6.41 ng	253577	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
Data File : BF133807.D
Acq On : 16 Jun 2023 15:20
Operator : CG\JU
Sample : 03186-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-061323

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

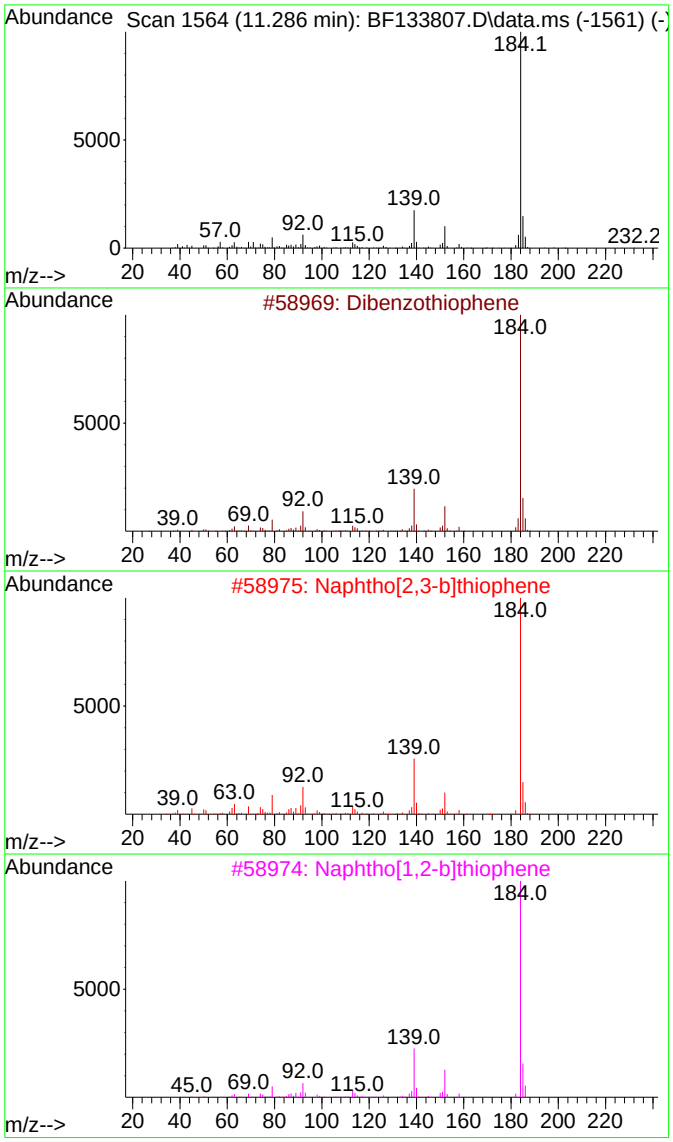
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

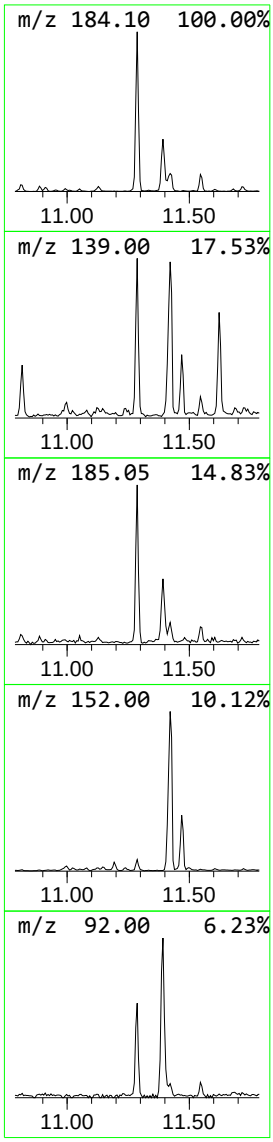
****

Peak Number 5 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.286	7.89 ng	312006	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87





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Operator : CG\JU
Sample : 03186-01
Misc :
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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

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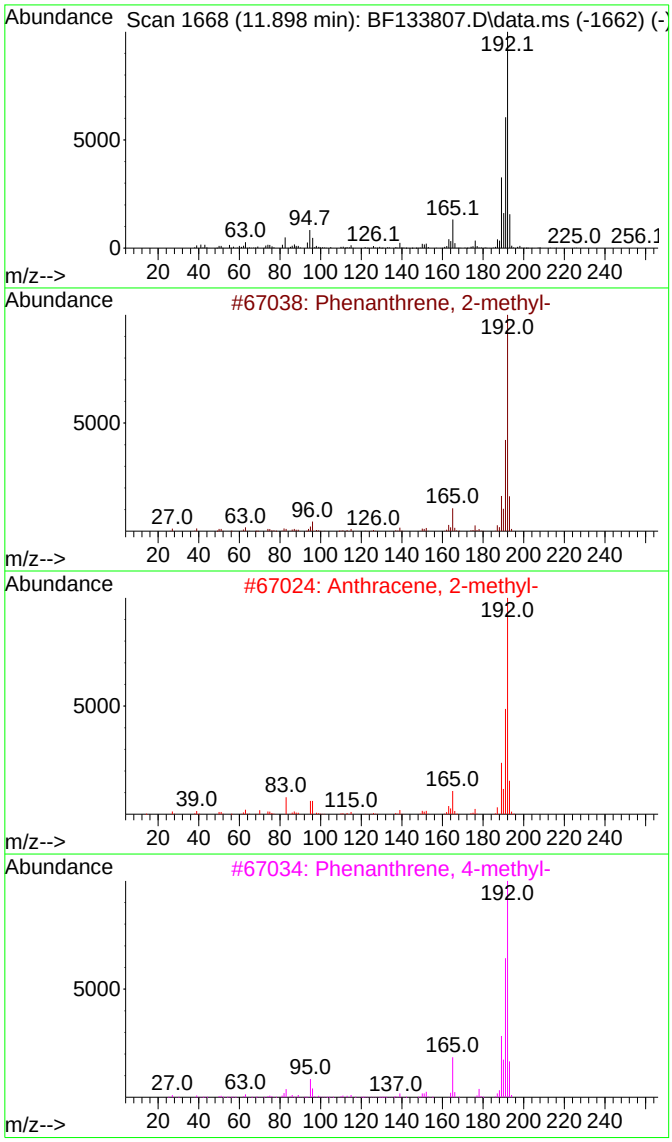
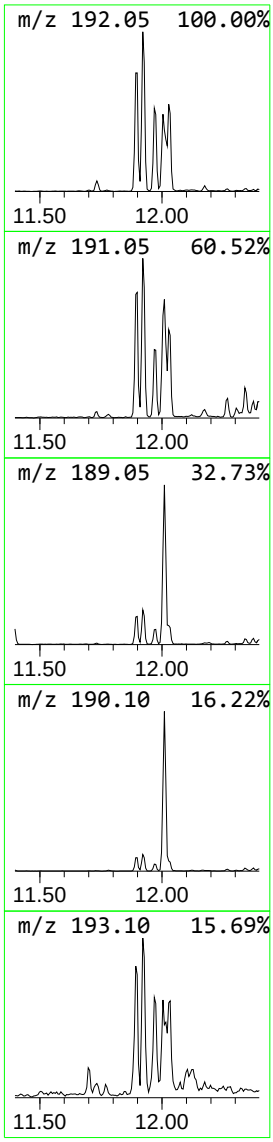
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.898	15.49 ng	612627	Phenanthrene-d10	11.392

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	96
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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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

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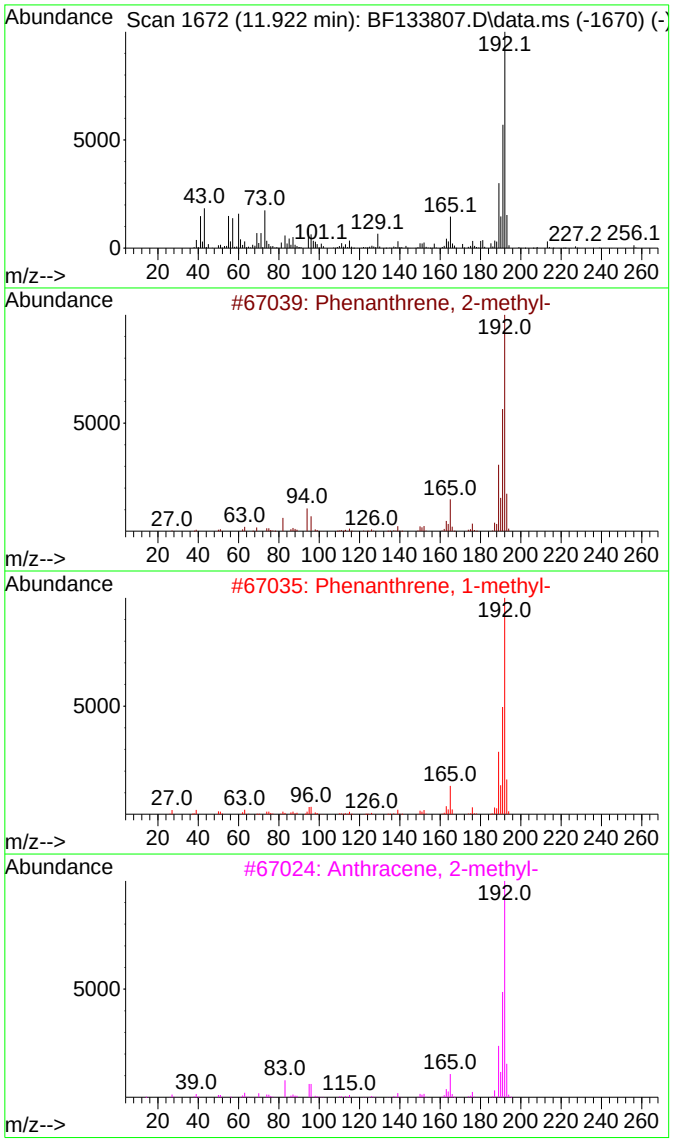
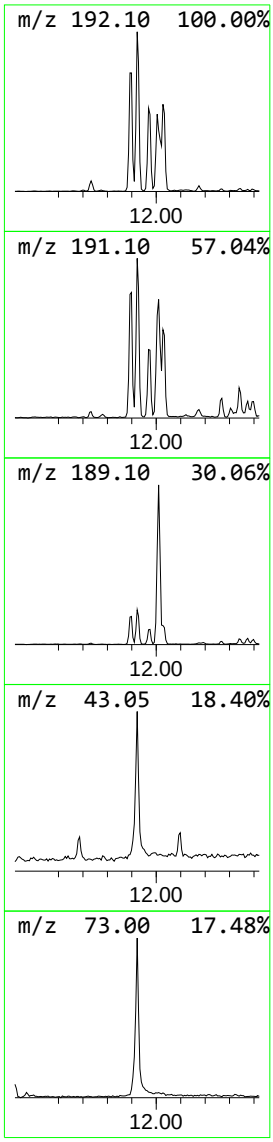
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	26.20 ng	1035970	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93





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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

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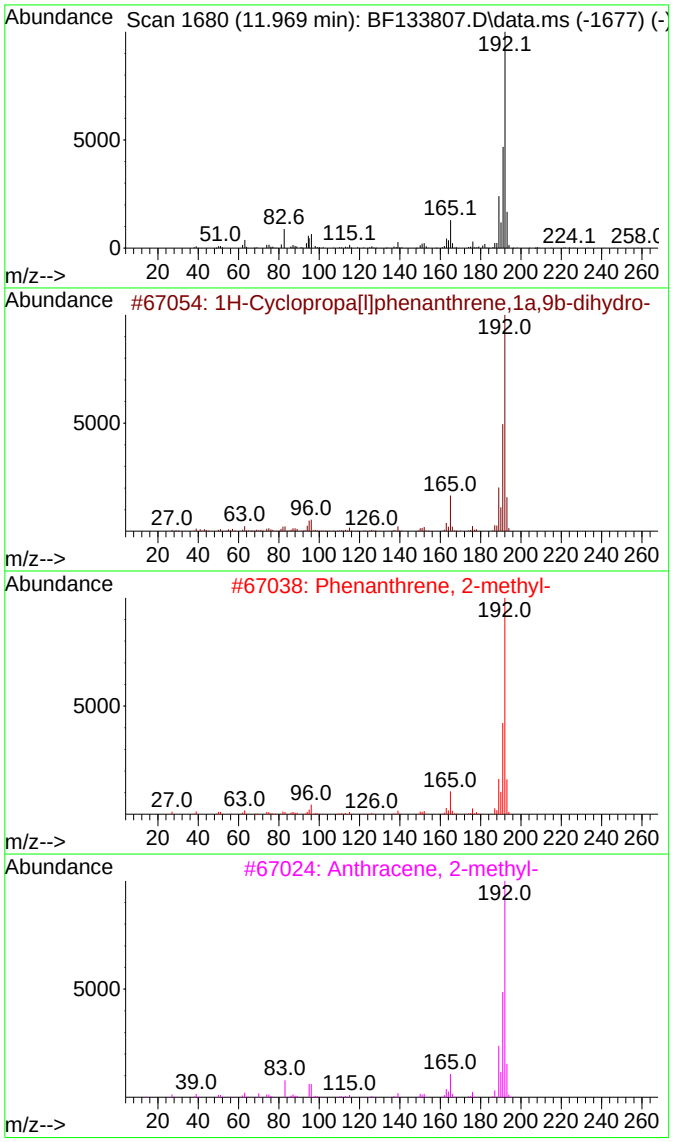
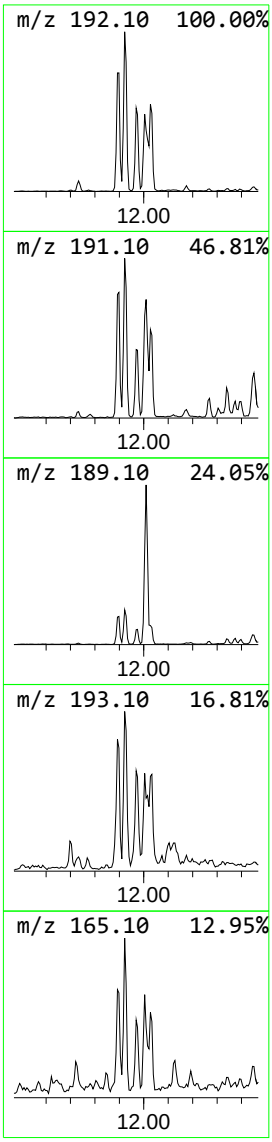
Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.969	8.31 ng	328698	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





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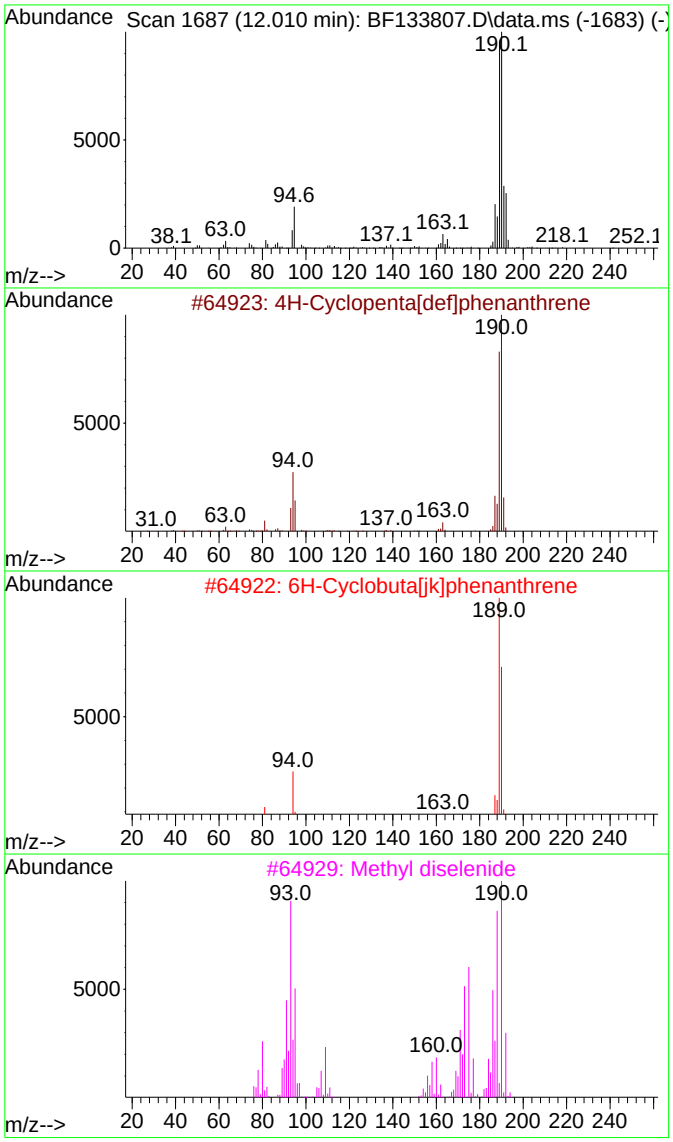
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

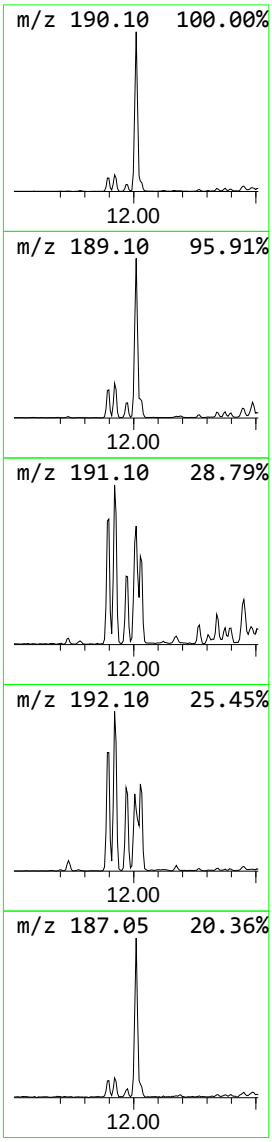
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.010	29.28 ng	1157630	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	55
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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ALS Vial : 5 Sample Multiplier: 1

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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

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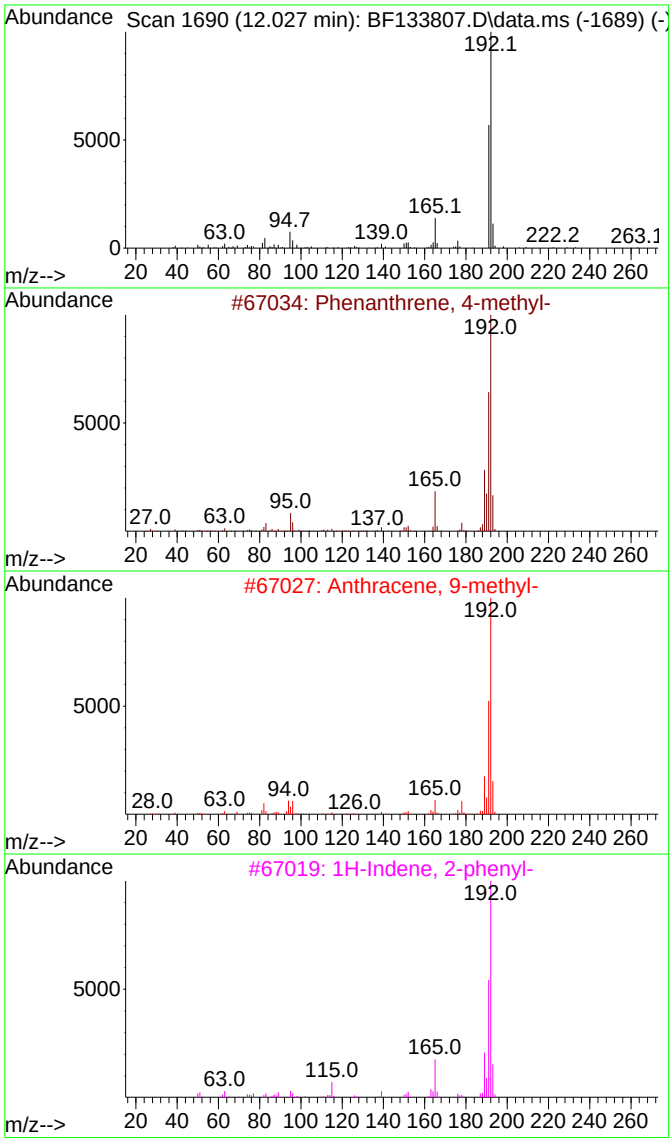
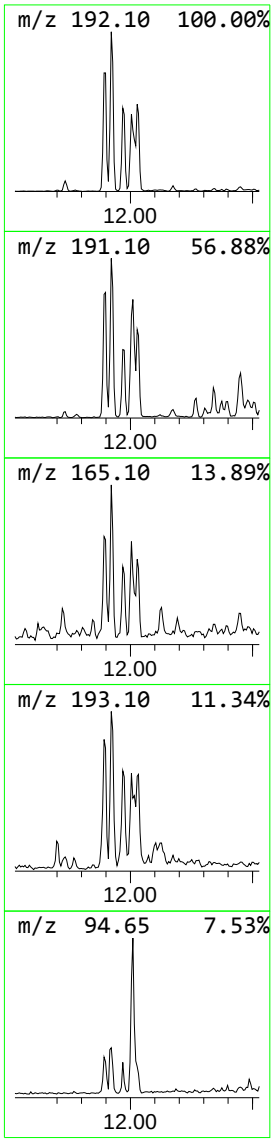
Peak Number 10 Phenanthrene, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.028	7.07 ng	279437	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	97
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87





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Sample : 03186-01
Misc :
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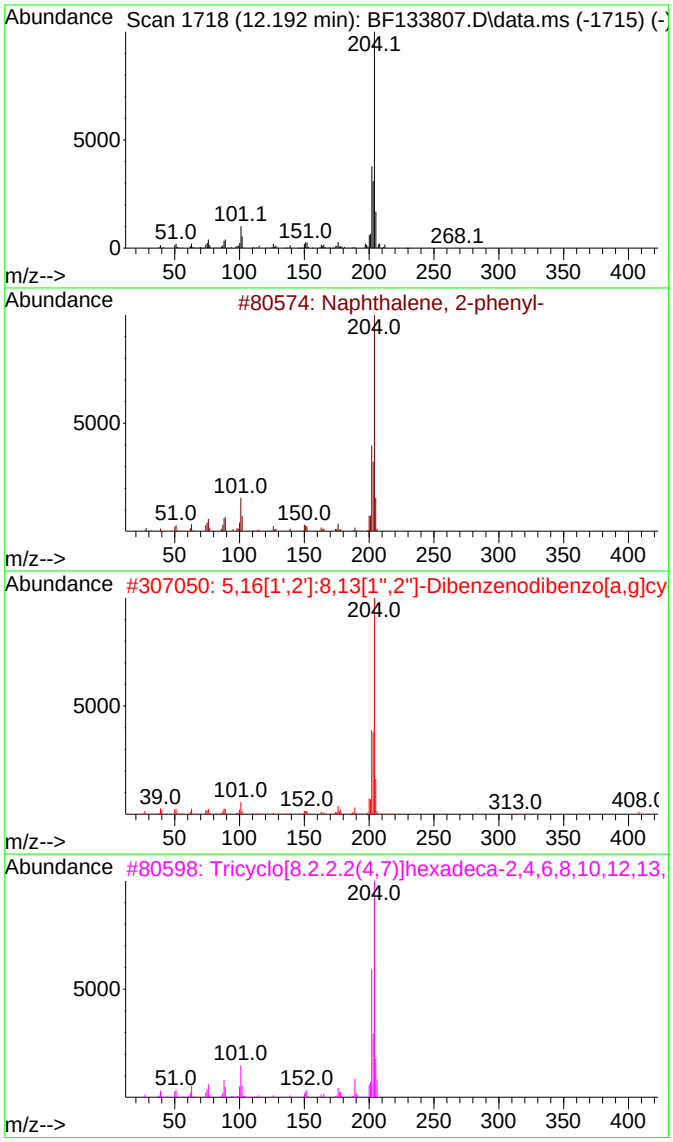
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

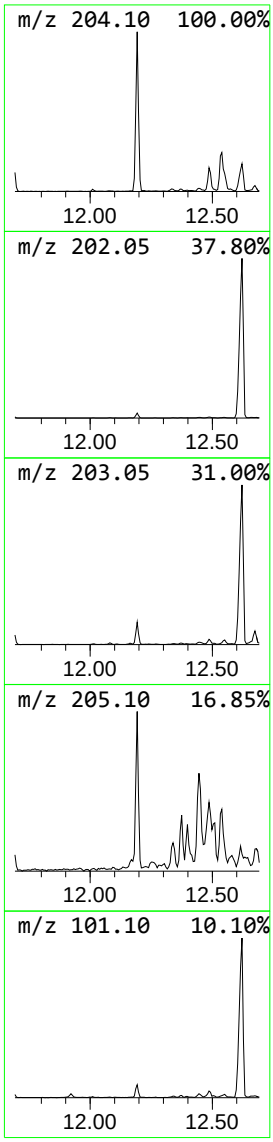
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.192	10.28 ng	406505	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53





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Sample : 03186-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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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

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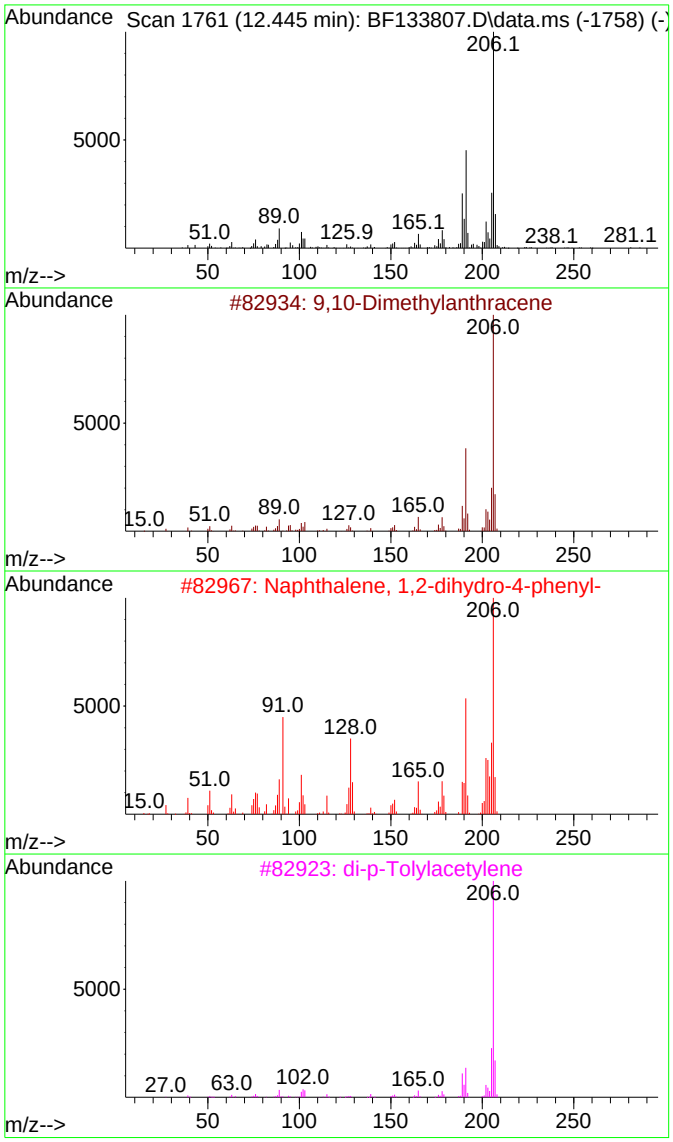
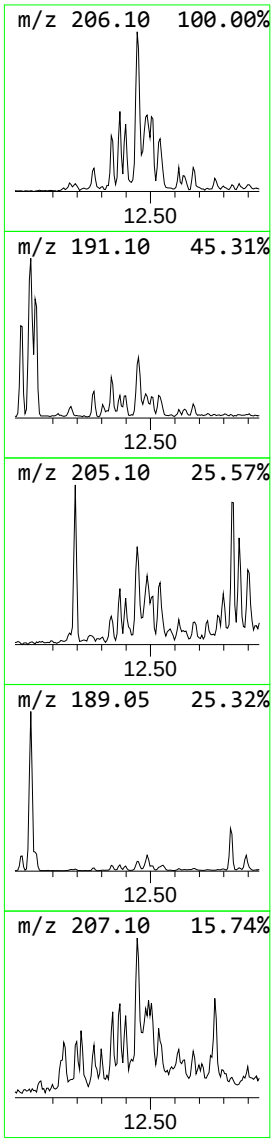
Peak Number 12 9,10-Dimethylanthracene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.445	8.23 ng	325346	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
2	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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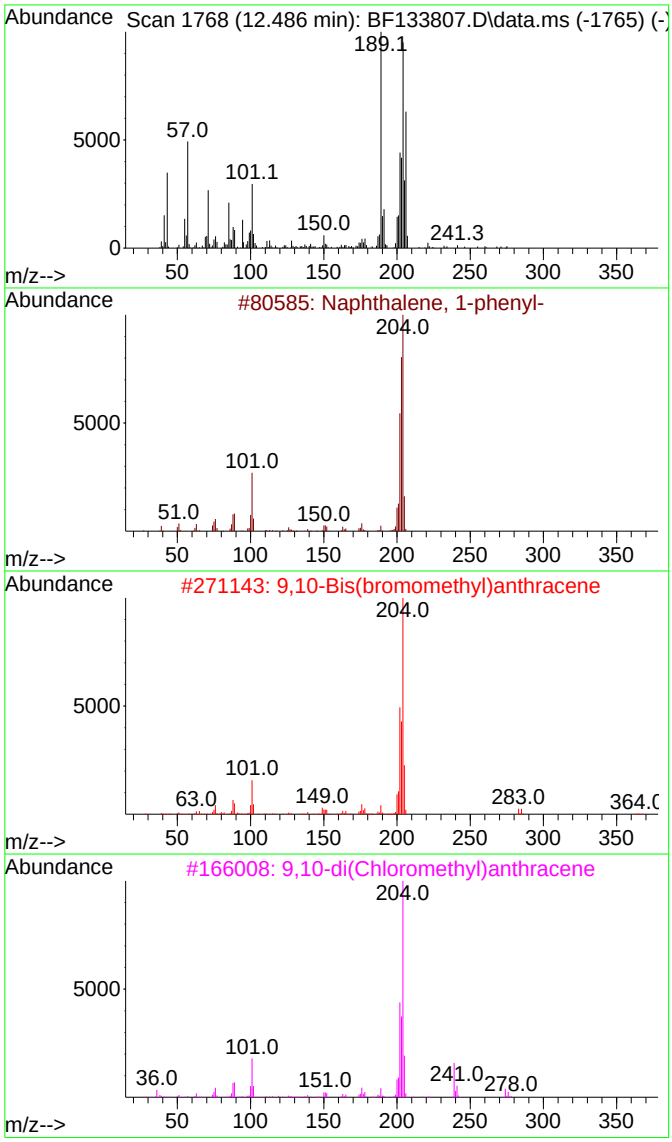
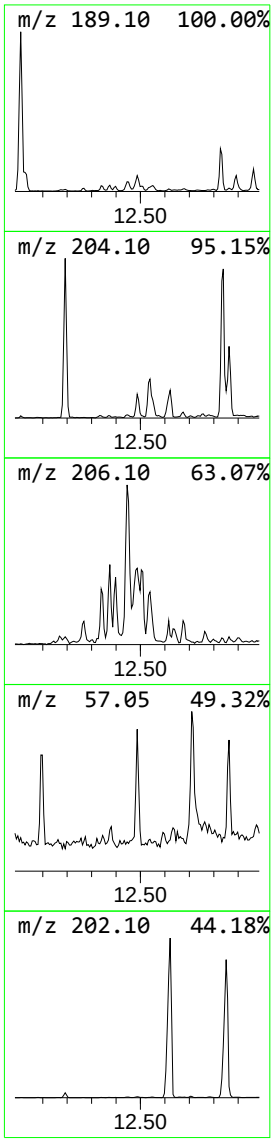
Peak Number 13 Naphthalene, 1-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.486	6.83 ng	270218	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	51
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	43
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	42
5	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	42





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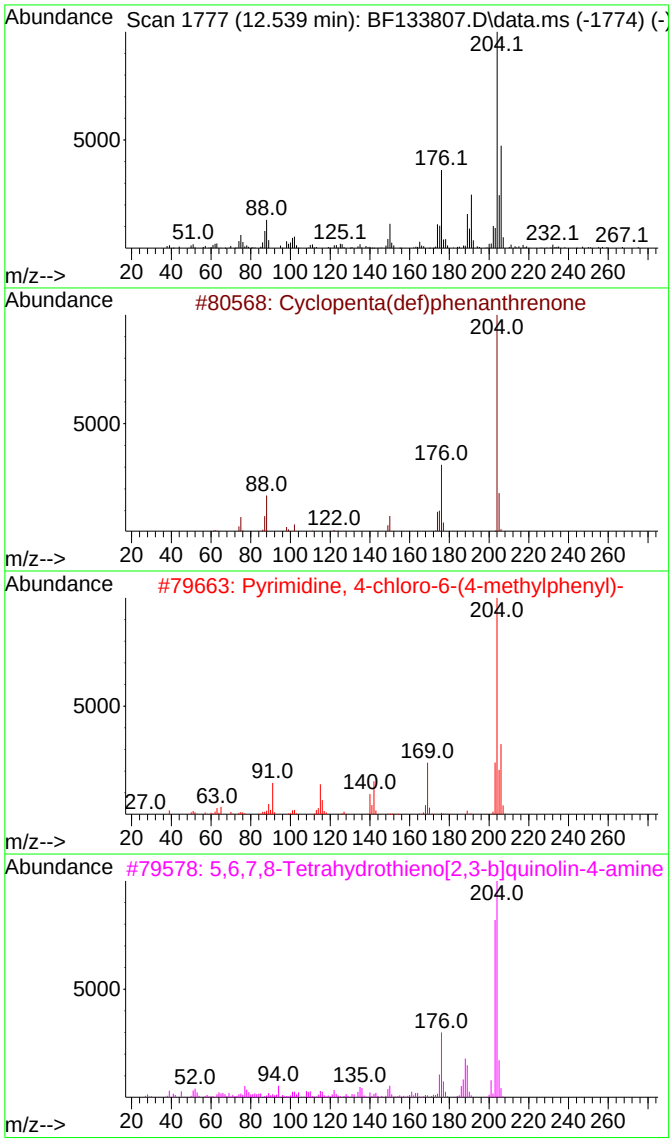
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

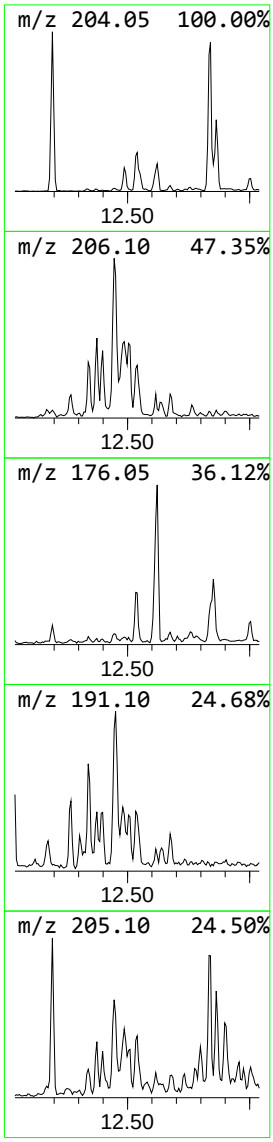
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.539	5.57 ng	220171	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	86
2	Pyrimidine, 4-chloro-6-(4-methyl...	204	C11H9ClN2	1000380-55-8	50
3	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	49
4	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	43
5	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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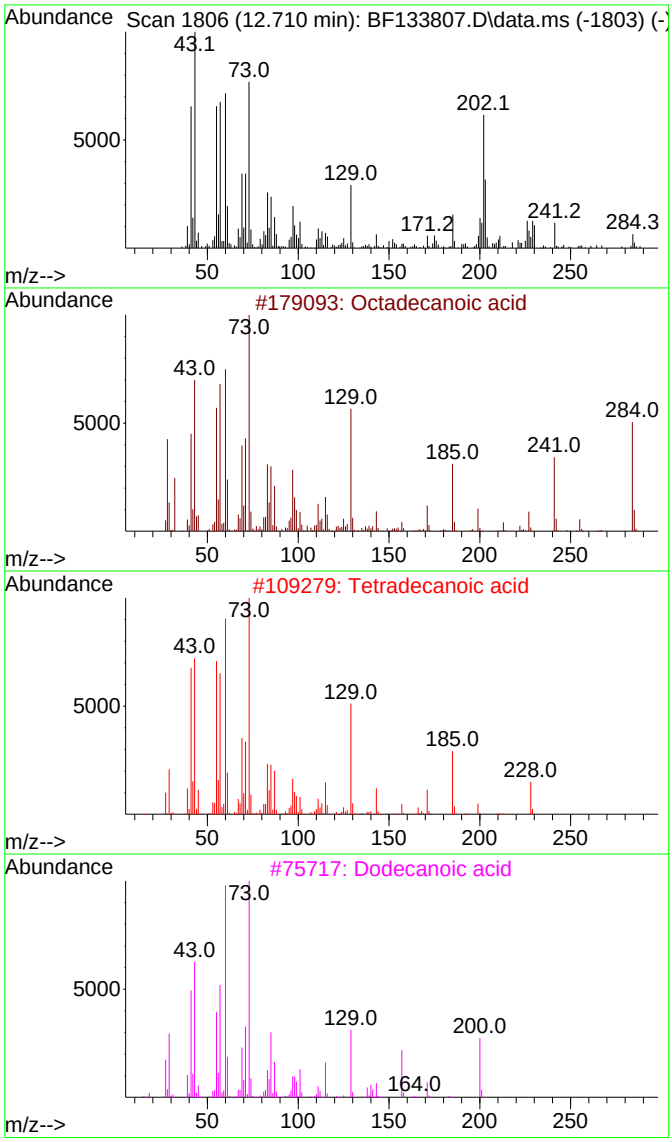
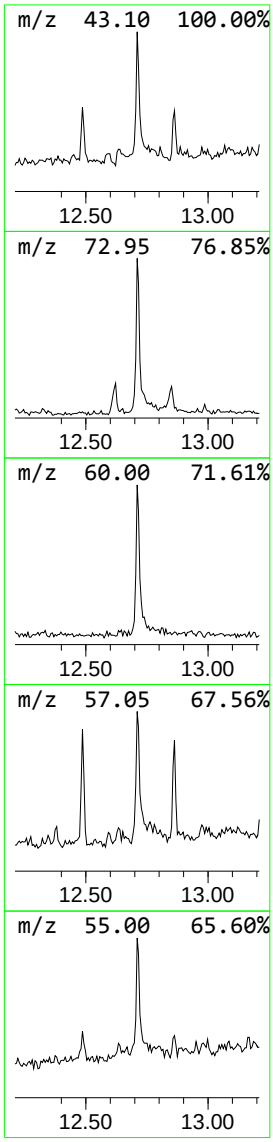
Peak Number 15 Octadecanoic acid Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.710	5.87 ng	232188	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	97
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	86
3	Dodecanoic acid	200	C12H24O2	000143-07-7	70
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	58
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	53





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

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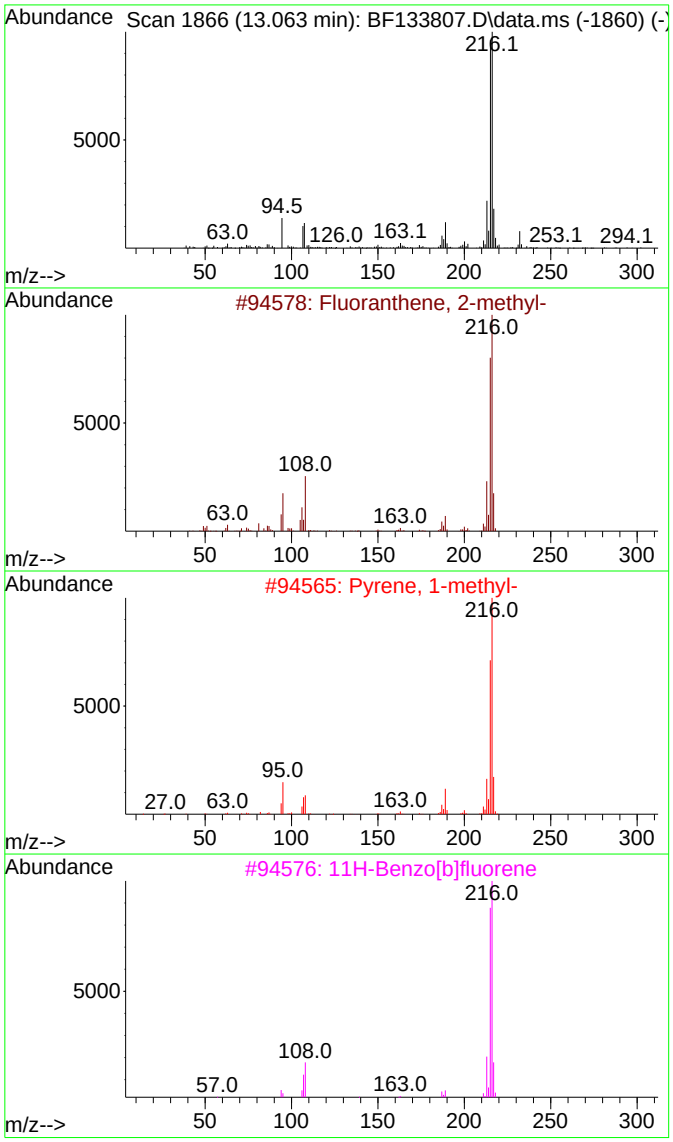
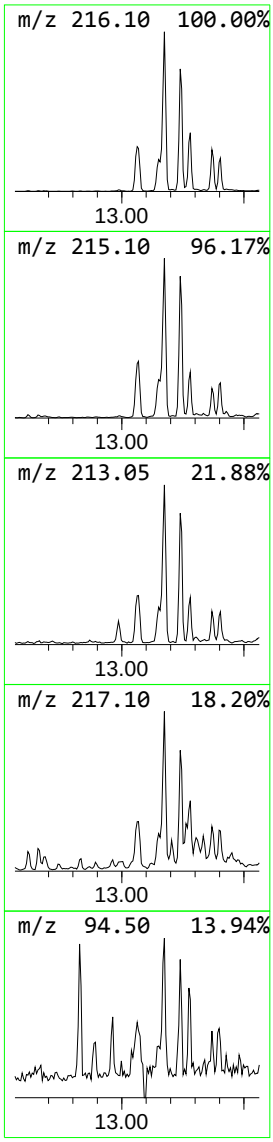
Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.063	4.31 ng	567284	Chrysene-d12	14.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





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Sample : 03186-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-061323

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.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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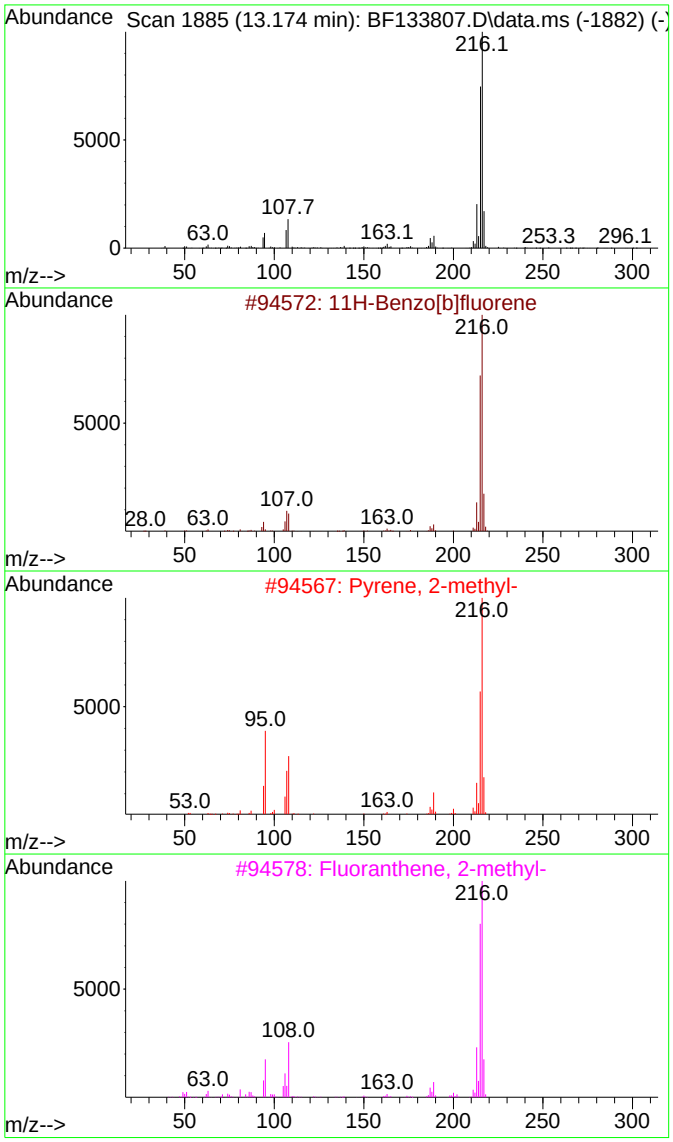
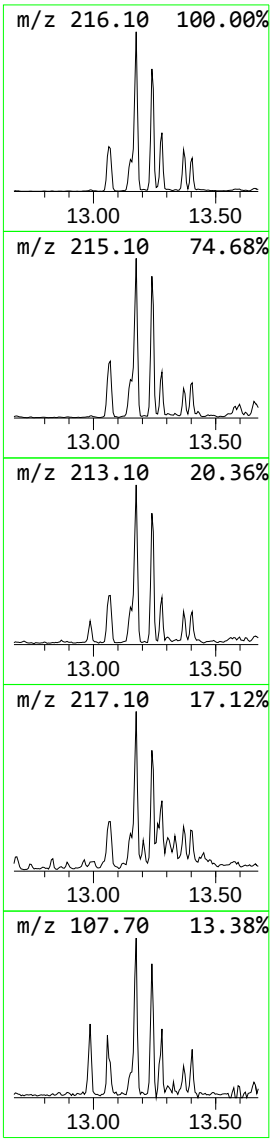
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.175	6.07 ng	798191	Chrysene-d12	14.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
Data File : BF133807.D
Acq On : 16 Jun 2023 15:20
Operator : CG\JU
Sample : 03186-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-061323

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.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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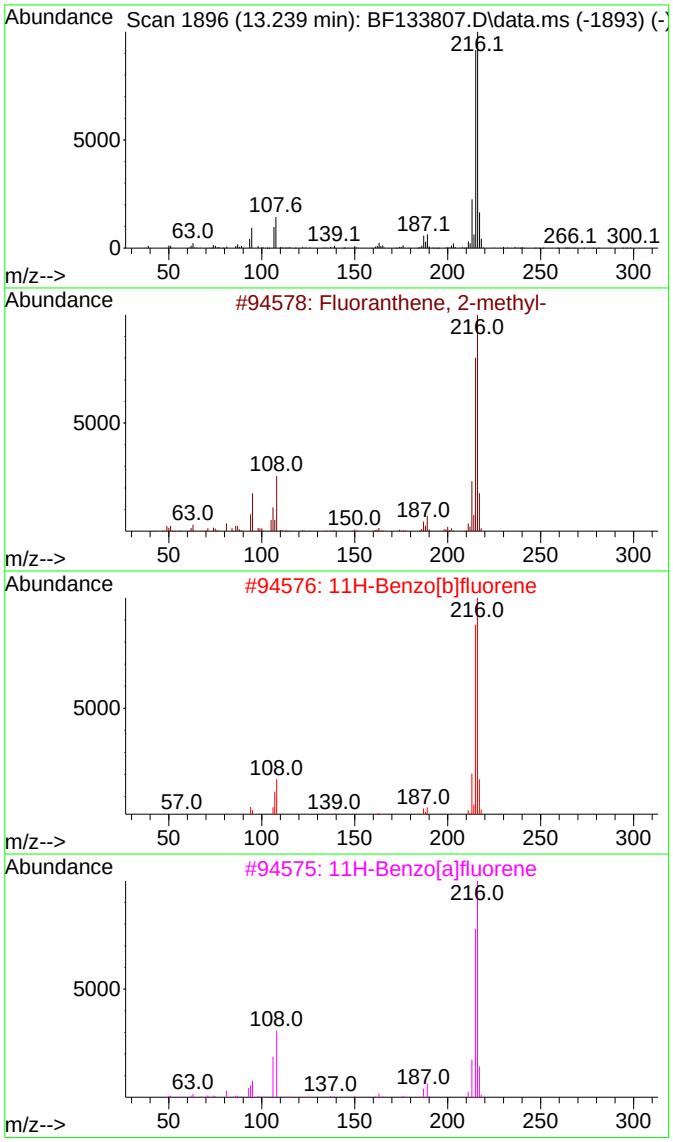
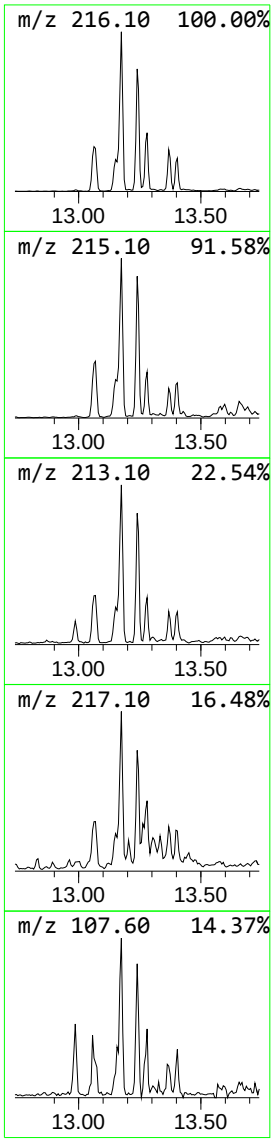
Peak Number 18 11H-Benzo[a]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.239	4.30 ng	565895	Chrysene-d12	14.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
Data File : BF133807.D
Acq On : 16 Jun 2023 15:20
Operator : CG\JU
Sample : 03186-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-061323

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.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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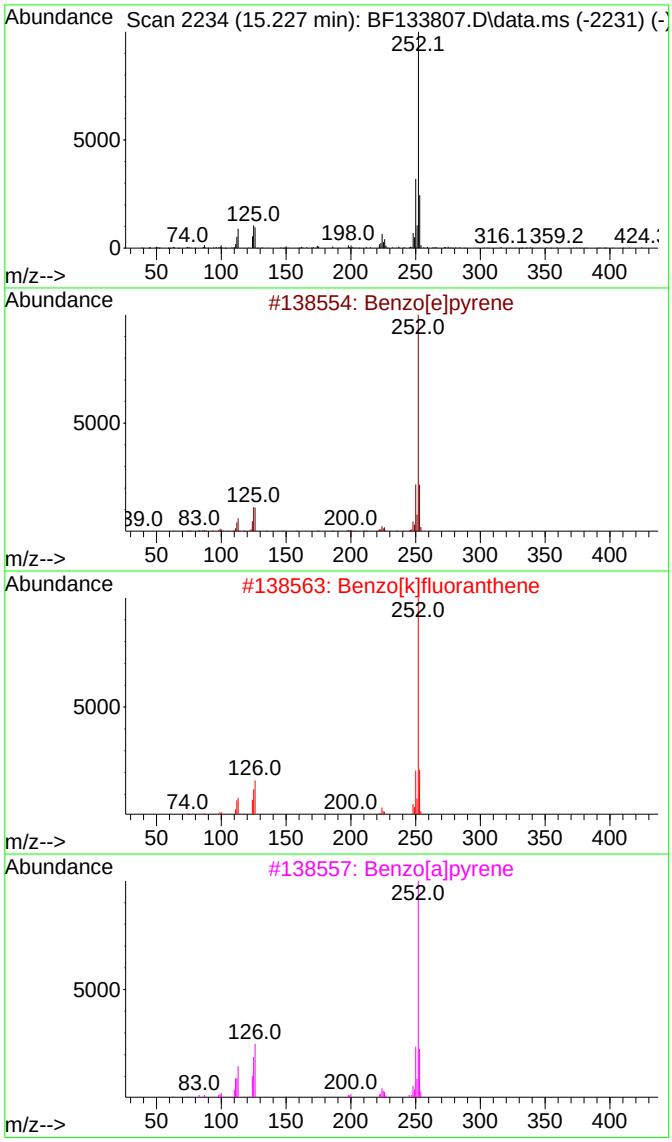
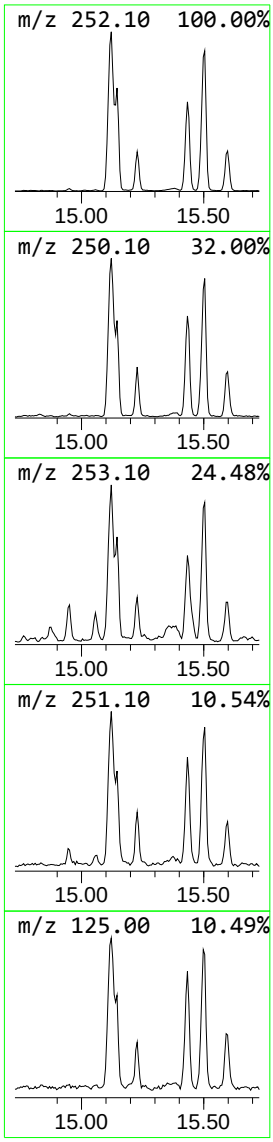
Peak Number 19 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.227	11.85 ng	226513	Perylene-d12	15.563

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	91
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	81
5	Perylene	252	C20H12	000198-55-0	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
Data File : BF133807.D
Acq On : 16 Jun 2023 15:20
Operator : CG\JU
Sample : 03186-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-061323

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.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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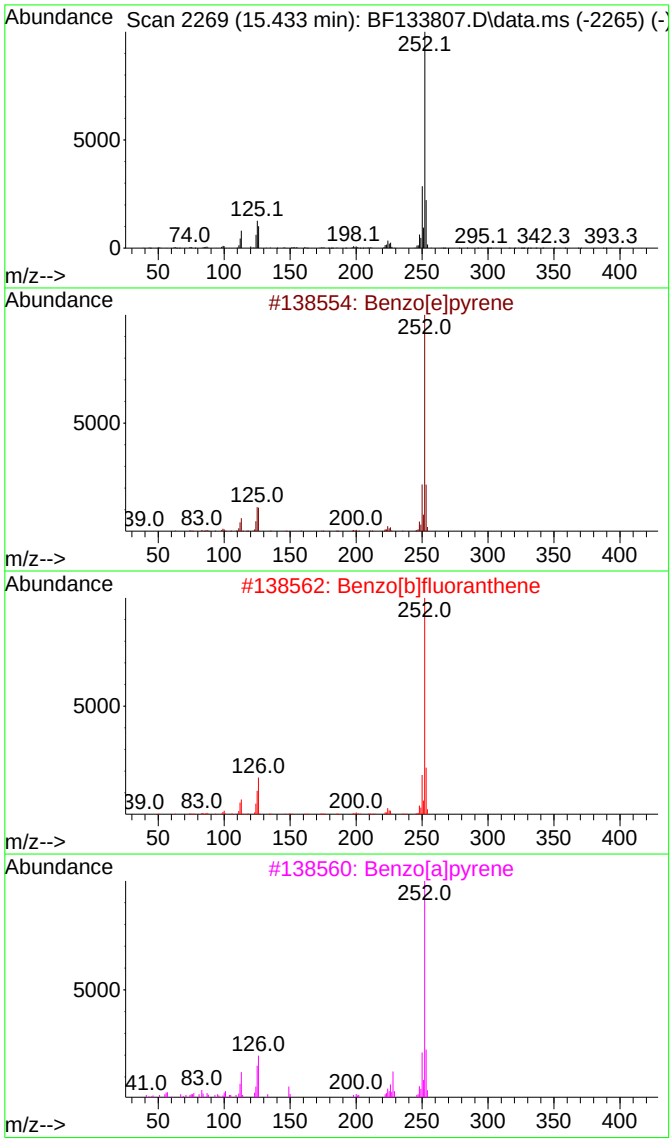
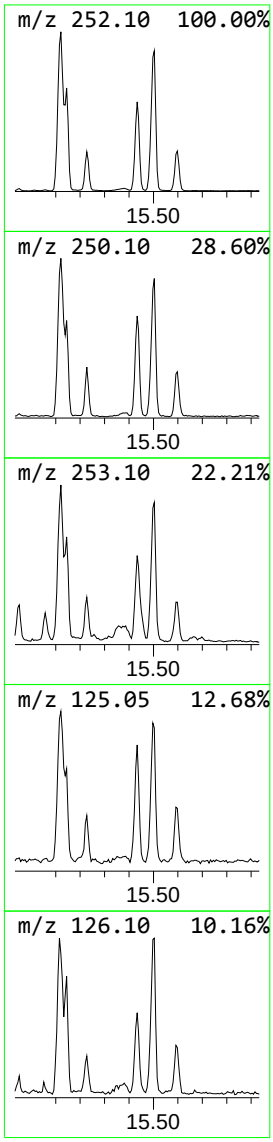
Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.433	37.57 ng	718317	Perylene-d12	15.563

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
Data File : BF133807.D
Acq On : 16 Jun 2023 15:20
Operator : CG\JU
Sample : 03186-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-061323

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 1,...	9.481	5.9	ng	210540	3	9.898	710195	20.0
Naphthalene, 1,...	9.551	6.2	ng	219103	3	9.898	710195	20.0
Dibenzofuran, 4...	10.604	9.0	ng	320494	3	9.898	710195	20.0
9H-Fluorene, 2-...	10.998	6.4	ng	253577	4	11.392	790799	20.0
Dibenzothiophene	11.286	7.9	ng	312006	4	11.392	790799	20.0
Phenanthrene, 2...	11.898	15.5	ng	612627	4	11.392	790799	20.0
Phenanthrene, 1...	11.922	26.2	ng	1035970	4	11.392	790799	20.0
1H-Cyclopropa[l...	11.969	8.3	ng	328698	4	11.392	790799	20.0
4H-Cyclopenta[d...	12.010	29.3	ng	1157630	4	11.392	790799	20.0
Phenanthrene, 4...	12.028	7.1	ng	279437	4	11.392	790799	20.0
Naphthalene, 2-...	12.192	10.3	ng	406505	4	11.392	790799	20.0
9,10-Dimethylan...	12.445	8.2	ng	325346	4	11.392	790799	20.0
Naphthalene, 1-...	12.486	6.8	ng	270218	4	11.392	790799	20.0
Cyclopenta(def)...	12.539	5.6	ng	220171	4	11.392	790799	20.0
Octadecanoic acid	12.710	5.9	ng	232188	4	11.392	790799	20.0
Fluoranthene, 2...	13.063	4.3	ng	567284	5	14.057	2631710	20.0
11H-Benzo[b]flu...	13.175	6.1	ng	798191	5	14.057	2631710	20.0
11H-Benzo[a]flu...	13.239	4.3	ng	565895	5	14.057	2631710	20.0
Benzo[e]pyrene	15.227	11.9	ng	226513	6	15.563	382405	20.0
Perylene	15.433	37.6	ng	718317	6	15.563	382405	20.0