LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
Data File : BF126368.D
Acq On : 27 Dec 2021 21:43
Operator : JU/CG
Sample : M5230-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PSC124055

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-BF121521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF126368.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.416	559	566	569	rBV	1849895	1674960	64.04%	4.590%
2	6.434	733	739	742	rBV	1806333	1632693	62.42%	4.474%
3	6.810	799	803	806	rBV	750983	608012	23.25%	1.666%
4	7.069	843	847	855	rVB	162858	132949	5.08%	0.364%
5	7.369	893	898	901	rBV	1230376	1048283	40.08%	2.873%
6	8.092	1017	1021	1023	rBV	906470	833408	31.86%	2.284%
7	8.110	1023	1024	1028	rVV	864182	684392	26.17%	1.876%
8	8.681	1118	1121	1126	rBV	71657	65981	2.52%	0.181%
9	8.804	1138	1142	1148	rBV	835162	649899	24.85%	1.781%
10	8.904	1154	1159	1163	rBV	512828	413871	15.82%	1.134%
11	9.169	1200	1204	1207	rBV	1688267	1348976	51.57%	3.697%
12	9.269	1217	1221	1228	rVB	243945	203840	7.79%	0.559%
13	9.363	1234	1237	1243	rVB	72220	63145	2.41%	0.173%
14	9.433	1243	1249	1253	rBV	96574	131061	5.01%	0.359%
15	9.504	1256	1261	1264	rBV	144632	139142	5.32%	0.381%
16	9.533	1264	1266	1269	rVB	81804	64446	2.46%	0.177%
17	9.622	1279	1281	1286	rVB	52912	50503	1.93%	0.138%
18	9.704	1291	1295	1299	rBV	171465	135975	5.20%	0.373%
19	9.845	1313	1319	1322	rBV	756791	659577	25.22%	1.808%
20	9.880	1322	1325	1328	rVV	1323056	1053560	40.28%	2.887%
21	10.004	1341	1346	1349	rBV	48501	44323	1.69%	0.121%
22	10.051	1350	1354	1357	rBV	624363	485004	18.54%	1.329%
23	10.263	1384	1390	1392	rBV3	46263	57534	2.20%	0.158%
24	10.392	1409	1412	1418	rVB	954358	765187	29.25%	2.097%
25	10.457	1421	1423	1425	rVV	88483	78450	3.00%	0.215%
26	10.480	1425	1427	1429	rVV	102382	82829	3.17%	0.227%
27	10.527	1433	1435	1437	rVV	58886	48494	1.85%	0.133%
28	10.551	1437	1439	1443	rVV	121446	94518	3.61%	0.259%
29	10.633	1447	1453	1457	rVV	816729	807278	30.86%	2.212%
30	10.757	1471	1474	1478	rVB	58971	47092	1.80%	0.129%
31	10.939	1499	1505	1508	rBV2	97125	119564	4.57%	0.328%
32	11.133	1535	1538	1543	rVB	83980	75389	2.88%	0.207%
33	11.192	1543	1548	1551	rBV4	47231	77639	2.97%	0.213%
34	11.227	1551	1554	1557	rVB	232716	183505	7.02%	0.503%
35	11.333	1568	1572	1573	rBV	576703	515625	19.71%	1.413%
36	11.357	1573	1576	1579	rVV	2629119	2615646	100.00%	7.168%

LSC Area Percent Report

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Acq On : 27 Dec 2021 21:43
Operator : JU/CG
Sample : M5230-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PSC124055

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-BF121521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.404	1579	1584	1587	rVV	458334	436894	16.70%	1.197%
38	11.439	1587	1590	1594	rVB	169850	139465	5.33%	0.382%
39	11.557	1604	1610	1613	rBV2	291676	312726	11.96%	0.857%
40	11.627	1620	1622	1626	rBV2	46083	45817	1.75%	0.126%
41	11.833	1652	1657	1659	rBV	260952	223260	8.54%	0.612%
42	11.863	1659	1662	1666	rVV	364539	329296	12.59%	0.902%
43	11.910	1666	1670	1672	rVV2	121156	123484	4.72%	0.338%
44	11.945	1672	1676	1678	rVV	523366	485085	18.55%	1.329%
45	11.963	1678	1679	1684	rVB	133819	112764	4.31%	0.309%
46	12.127	1704	1707	1709	rBV	185226	161411	6.17%	0.442%
47	12.151	1709	1711	1715	rVB	121083	97374	3.72%	0.267%
48	12.280	1727	1733	1735	rBV2	53465	62581	2.39%	0.172%
49	12.310	1735	1738	1740	rVV	51466	48272	1.85%	0.132%
50	12.380	1747	1750	1754	rVV	98746	115647	4.42%	0.317%
51	12.421	1754	1757	1759	rVV2	64812	73745	2.82%	0.202%
52	12.468	1762	1765	1770	rVV	94290	109121	4.17%	0.299%
53	12.551	1774	1779	1782	rBV	2320280	2346632	89.72%	6.431%
54	12.604	1782	1788	1791	rVV2	54081	71944	2.75%	0.197%
55	12.692	1796	1803	1806	rBV2	93861	149075	5.70%	0.409%
56	12.774	1811	1817	1820	rVV2	1869366	2262440	86.50%	6.200%
57	12.821	1822	1825	1831	rVB2	94367	110178	4.21%	0.302%
58	12.892	1833	1837	1838	rBV	140338	114326	4.37%	0.313%
59	12.916	1838	1841	1848	rVB2	1245821	1254673	47.97%	3.438%
60	12.992	1848	1854	1857	rBV2	130103	209289	8.00%	0.574%
61	13.021	1857	1859	1861	rVB	59270	48530	1.86%	0.133%
62	13.074	1861	1868	1869	rBV4	123181	158924	6.08%	0.436%
63	13.098	1869	1872	1875	rVB	383306	392147	14.99%	1.075%
64	13.168	1880	1884	1886	rBV	435197	372130	14.23%	1.020%
65	13.204	1886	1890	1892	rVV2	176521	174415	6.67%	0.478%
66	13.227	1892	1894	1898	rVB	90536	82184	3.14%	0.225%
67	13.298	1902	1906	1908	rBV	88235	78834	3.01%	0.216%
68	13.327	1908	1911	1915	rBV2	99457	103711	3.97%	0.284%
69	13.404	1921	1924	1930	rVB5	27354	43764	1.67%	0.120%
70	13.580	1951	1954	1956	rBV3	47177	58637	2.24%	0.161%
71	13.604	1956	1958	1963	rVB	114688	135421	5.18%	0.371%
72	13.715	1973	1977	1980	rBV2	201115	237547	9.08%	0.651%
73	13.745	1980	1982	1984	rVV	166596	149948	5.73%	0.411%
74	13.768	1984	1986	1991	rVV2	147309	209876	8.02%	0.575%
75	13.810	1991	1993	1997	rVB	98696	103845	3.97%	0.285%
76	13.886	2003	2006	2012	rBV3	87387	154266	5.90%	0.423%

LSC Area Percent Report

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Acq On : 27 Dec 2021 21:43
Operator : JU/CG
Sample : M5230-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PSC124055

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-BF121521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.963	2012	2019	2023	rVV3	1107773	1774541	67.84%	4.863%
78	13.998	2023	2025	2030	rVB	892950	750176	28.68%	2.056%
79	14.074	2033	2038	2040	rBV2	196533	188726	7.22%	0.517%
80	14.157	2050	2052	2054	rVB2	54912	47688	1.82%	0.131%
81	14.192	2054	2058	2061	rVV2	72935	95832	3.66%	0.263%
82	14.292	2072	2075	2078	rBV3	37268	42755	1.63%	0.117%
83	14.321	2078	2080	2082	rVV	41575	43357	1.66%	0.119%
84	14.357	2082	2086	2089	rVV	159202	177728	6.79%	0.487%
85	14.392	2089	2092	2096	rVB2	106424	103270	3.95%	0.283%
86	14.451	2096	2102	2104	rBV3	91202	127166	4.86%	0.349%
87	14.480	2104	2107	2109	rVV3	96742	99251	3.79%	0.272%
88	14.504	2109	2111	2114	rVB2	97264	85470	3.27%	0.234%
89	14.557	2114	2120	2126	rVB4	59521	112893	4.32%	0.309%
90	14.657	2133	2137	2140	rBV3	66280	94724	3.62%	0.260%
91	15.004	2191	2196	2199	rBV	586846	943935	36.09%	2.587%
92	15.104	2210	2213	2218	rVB	118178	123498	4.72%	0.338%
93	15.298	2242	2246	2252	rVB	319146	393308	15.04%	1.078%
94	15.357	2252	2256	2261	rVV	396094	452786	17.31%	1.241%
95	15.421	2262	2267	2270	rVV	498948	647818	24.77%	1.775%
96	15.451	2270	2272	2279	rVB2	132001	167978	6.42%	0.460%
97	15.886	2343	2346	2351	rBV3	30967	46113	1.76%	0.126%
98	16.845	2503	2509	2515	rBV2	96688	185355	7.09%	0.508%
99	17.015	2534	2538	2544	rBV	28065	51837	1.98%	0.142%
100	17.268	2576	2581	2590	rVB	74269	140635	5.38%	0.385%

Sum of corrected areas: 36489268

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
Data File : BF126368.D
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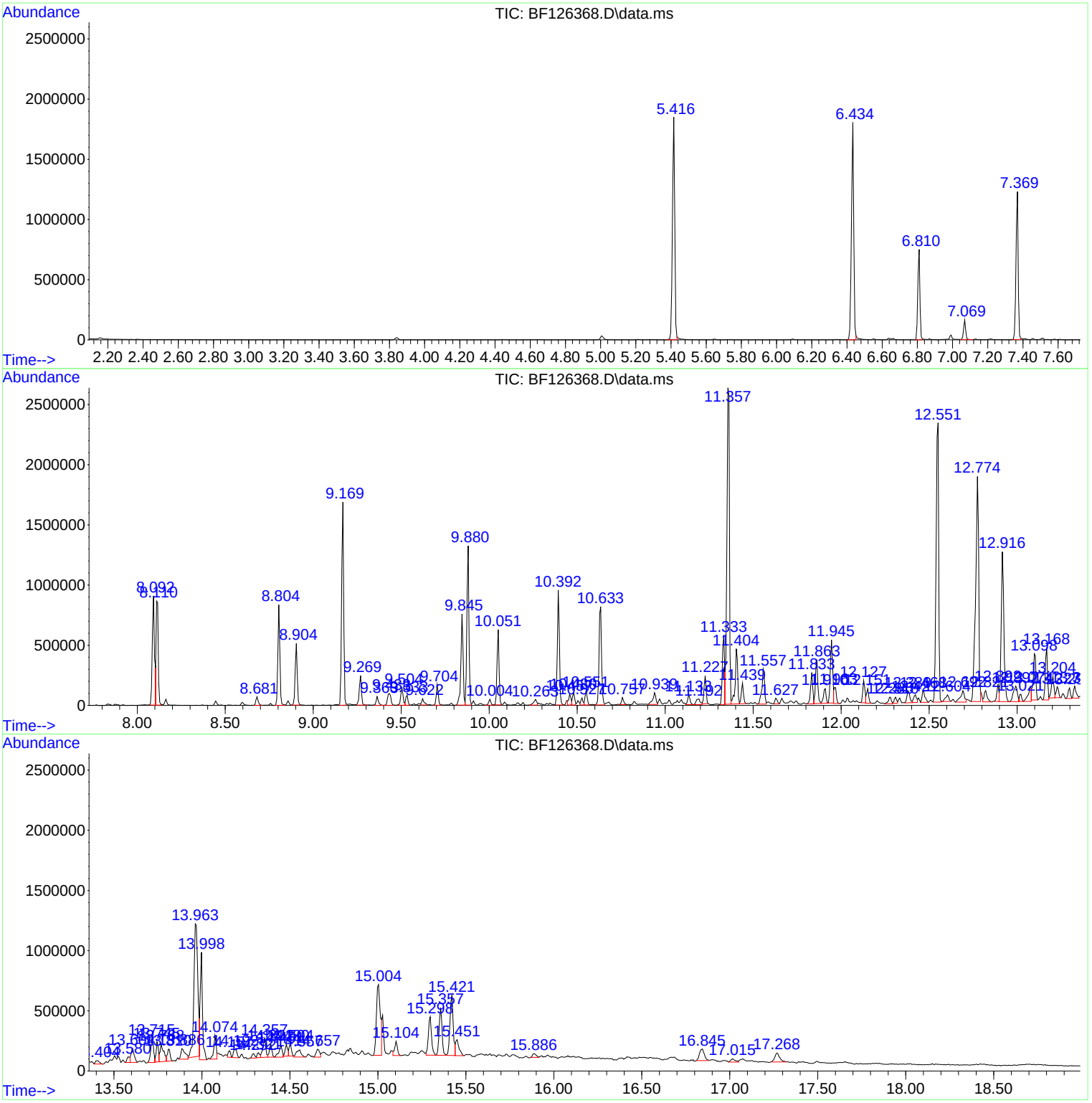
Sample : M5230-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PSC124055

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.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\BF122721\
Data File : BF126368.D
Acq On : 27 Dec 2021 21:43
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Instrument :
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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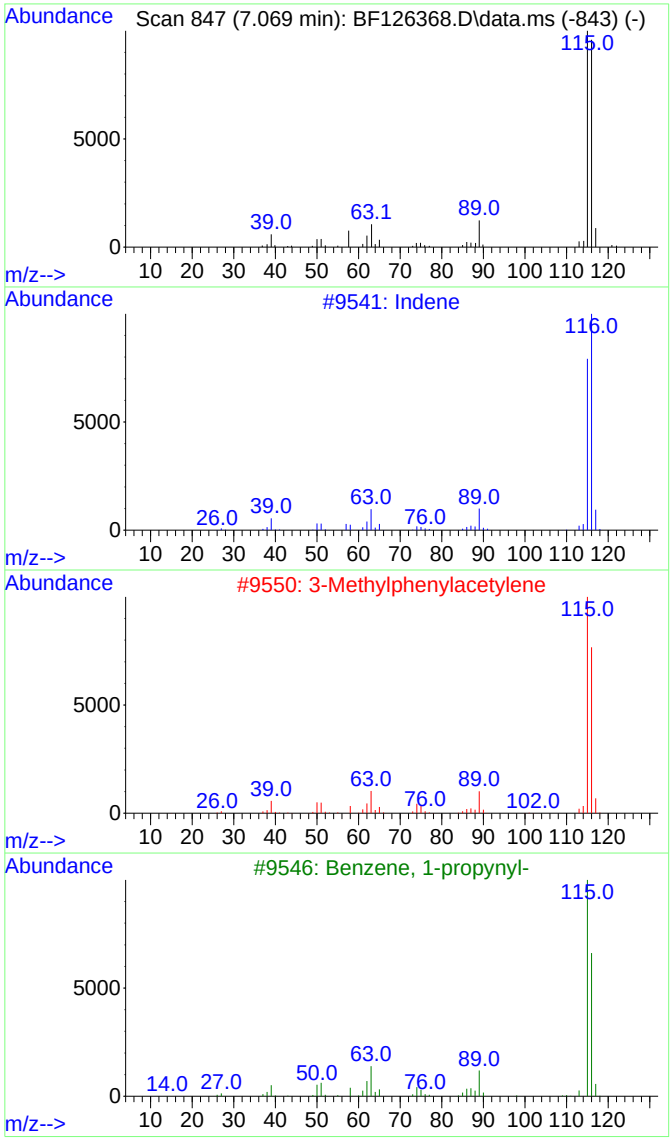
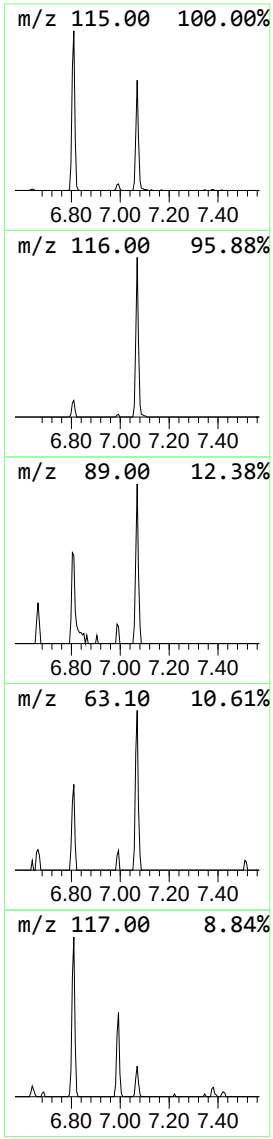
Peak Number 1 Indene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.069	4.37 ng	132949	1,4-Dichlorobenzene-d4	6.810

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
5	2-Methylphenylacetylene	116	C9H8	000766-47-2	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
Data File : BF126368.D
Acq On : 27 Dec 2021 21:43
Operator : JU/CG
Sample : M5230-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PSC124055

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.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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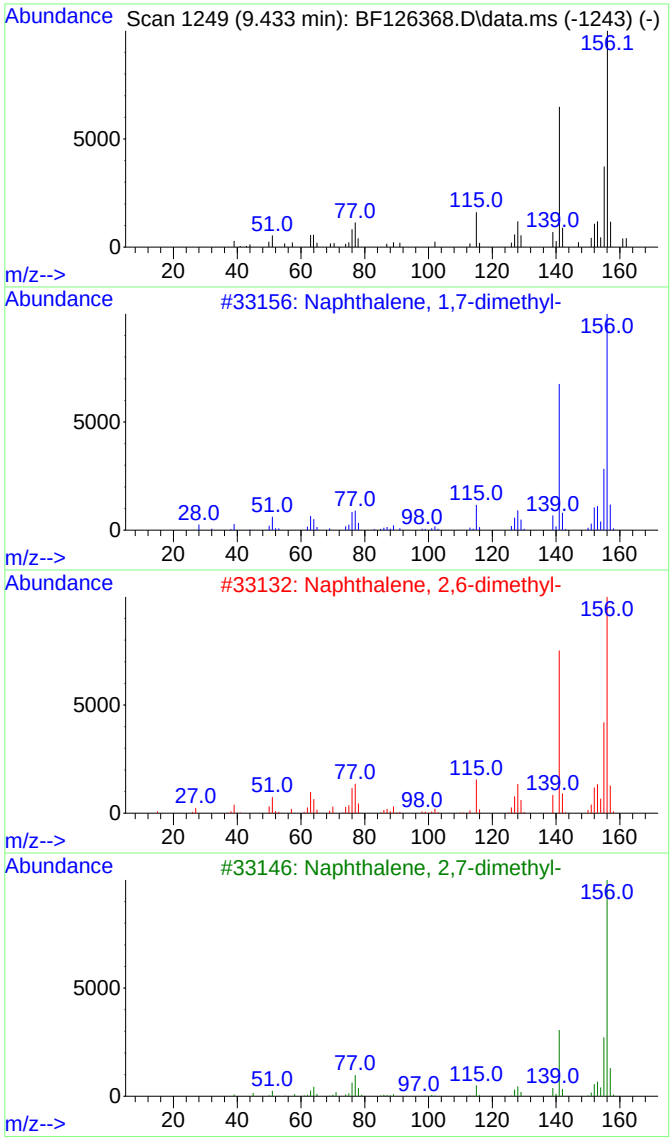
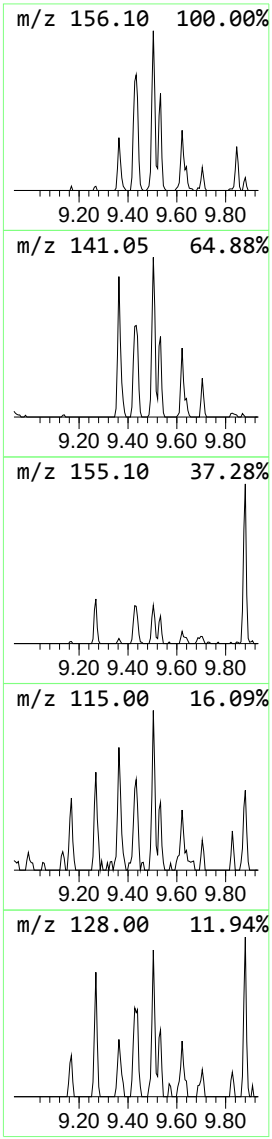
Peak Number 2 Naphthalene, 1,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.433	3.97 ng	131061	Acenaphthene-d10	9.845

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
Data File : BF126368.D
Acq On : 27 Dec 2021 21:43
Operator : JU/CG
Sample : M5230-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.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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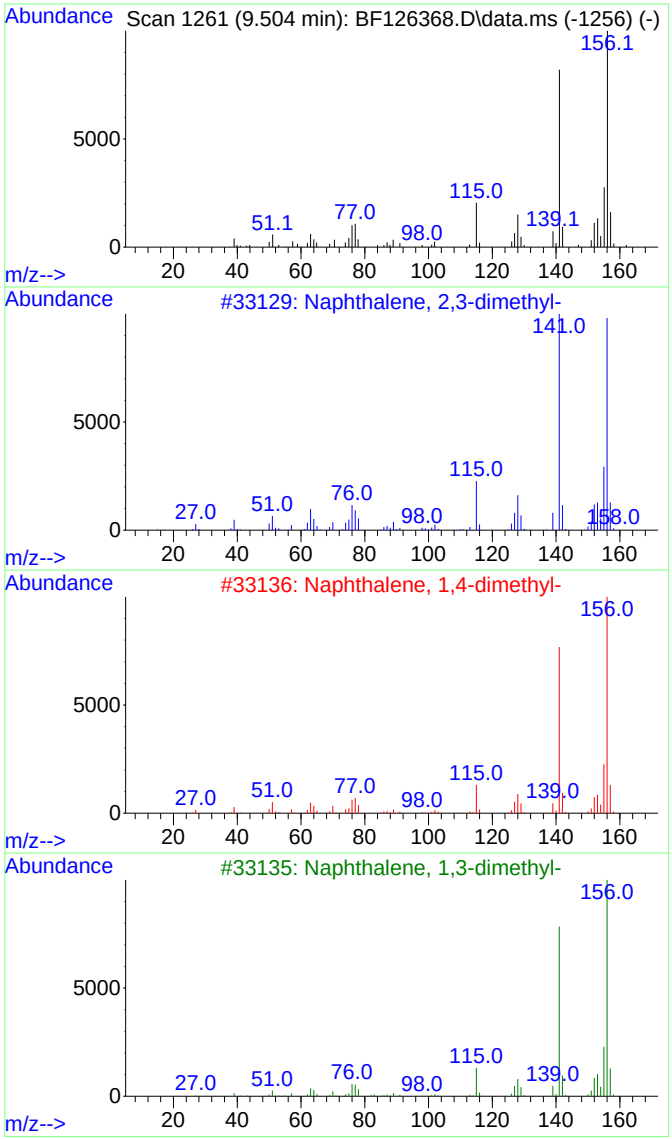
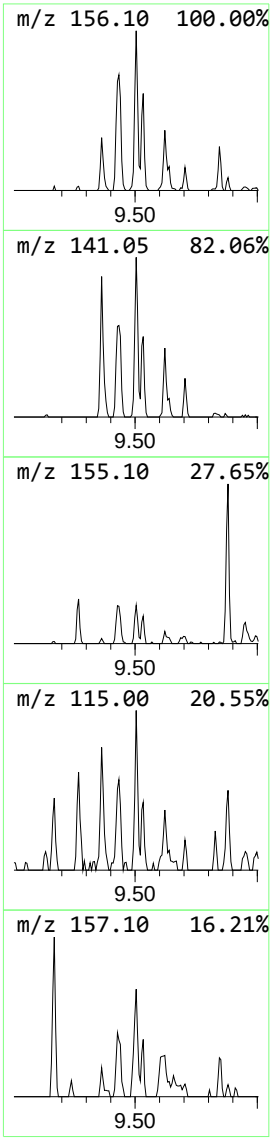
Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.504	4.22 ng	139142	Acenaphthene-d10	9.845

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.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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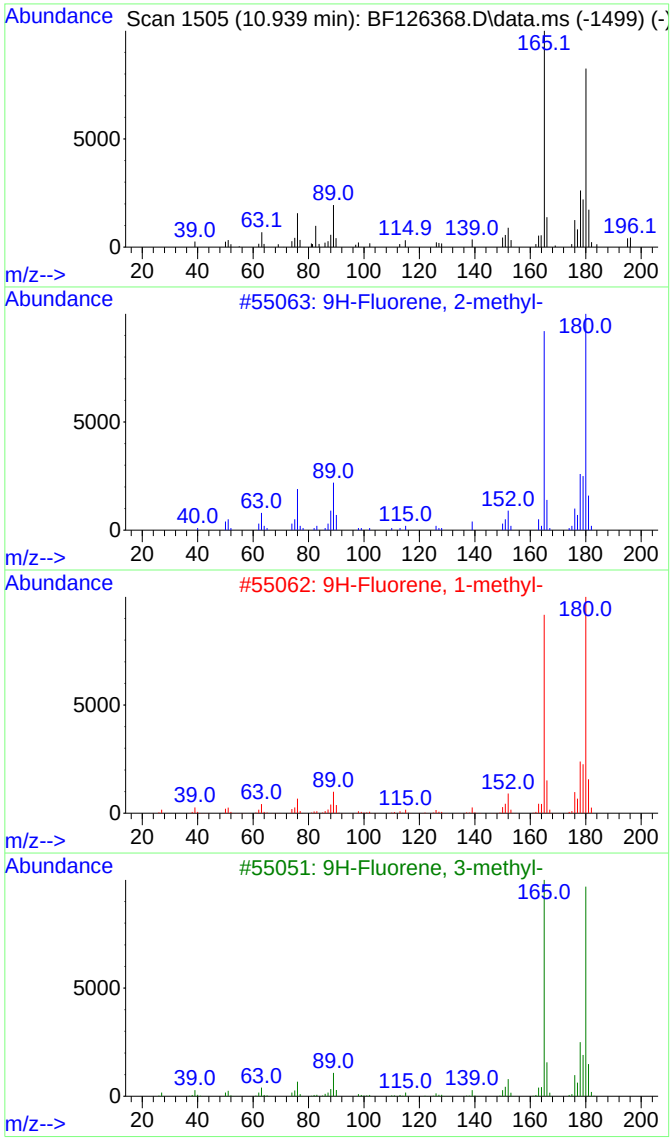
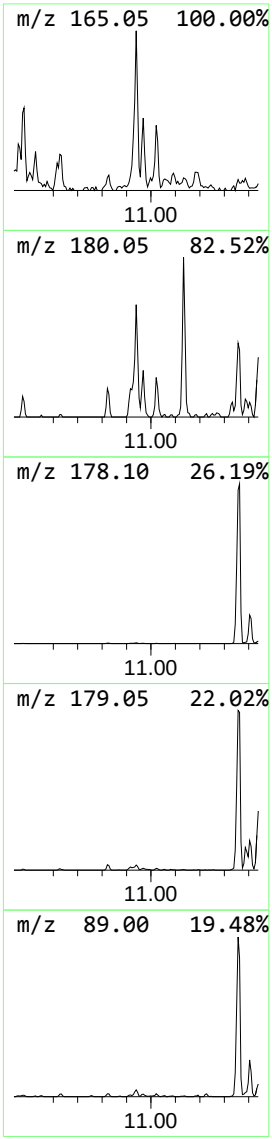
Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.939	4.64 ng	119564	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	92
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
Data File : BF126368.D
Acq On : 27 Dec 2021 21:43
Operator : JU/CG
Sample : M5230-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PSC124055

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

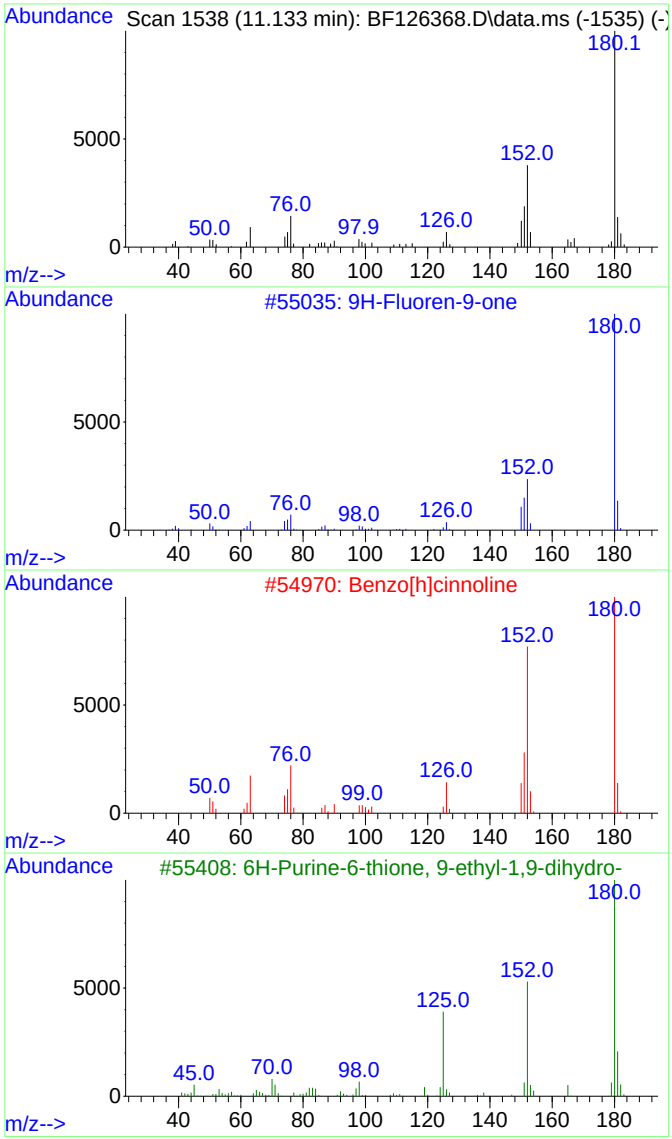
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

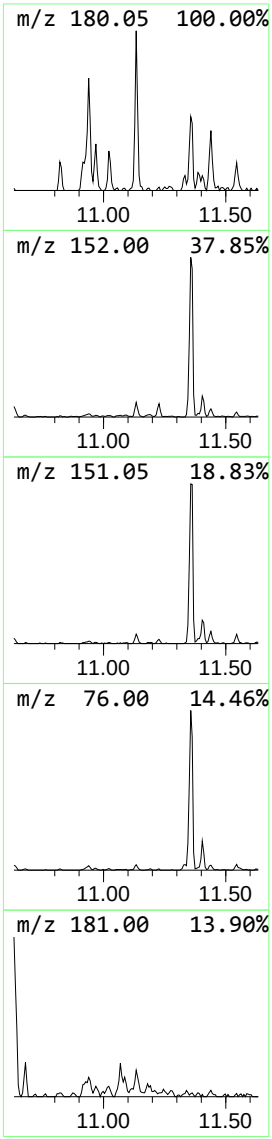
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.133	2.92 ng	75389	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	90
3	6H-Purine-6-thione, 9-ethyl-1,9-...	180	C7H8N4S	005427-20-3	64
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	62
5	6-Ethylthio-1,2,4-triazolo(4,3-b...	180	C7H8N4S	079979-66-1	59





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Operator : JU/CG
Sample : M5230-03
Misc :
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Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.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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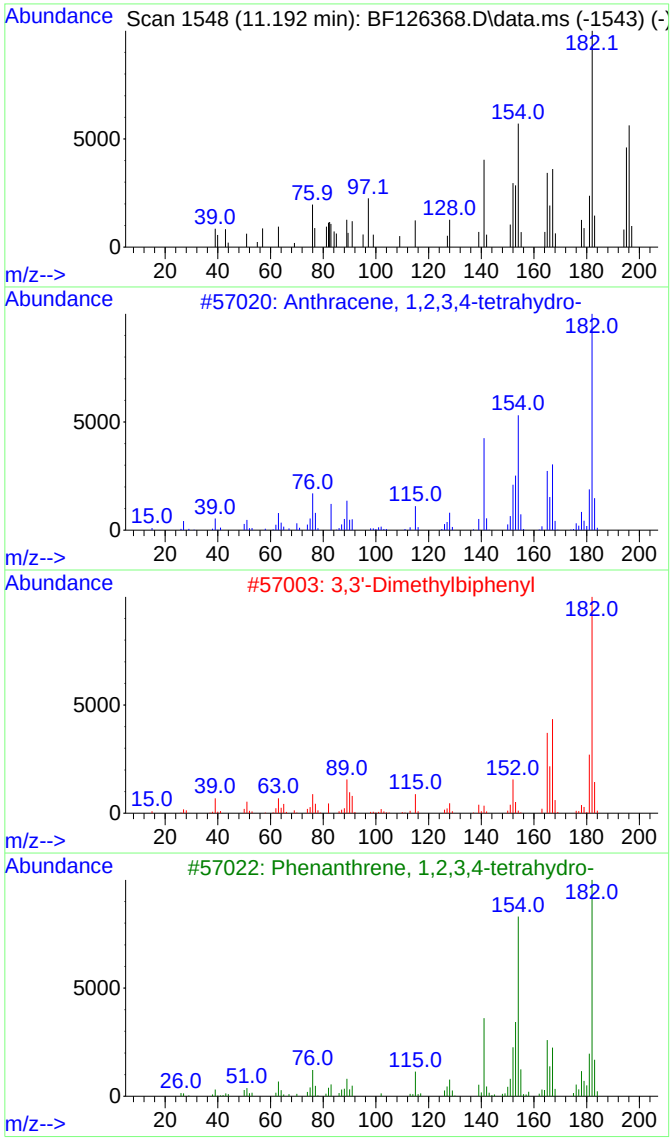
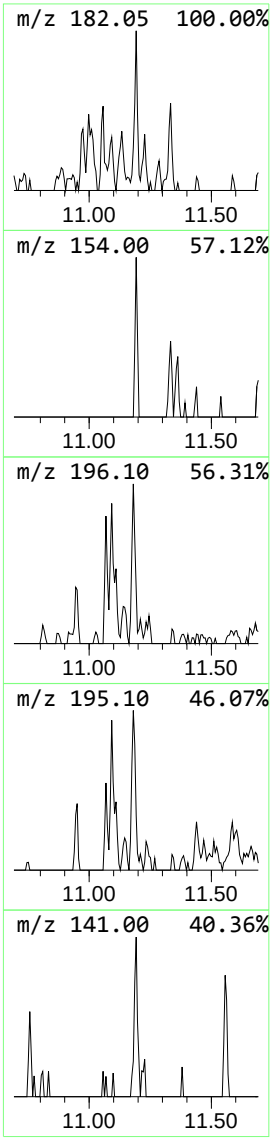
Peak Number 6 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.192	3.01 ng	77639	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	99
2	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	50
3	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	49
4	Bicyclo[3.2.1]octa-2,6-diene, 2-...	182	C14H14	101166-08-9	46
5	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	46





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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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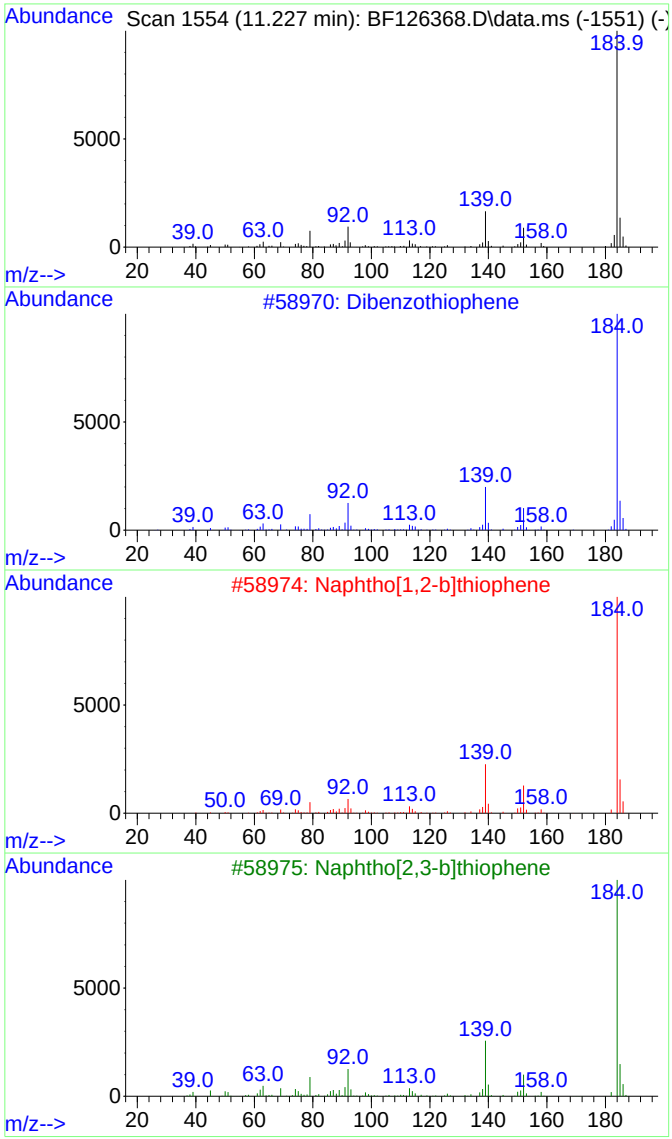
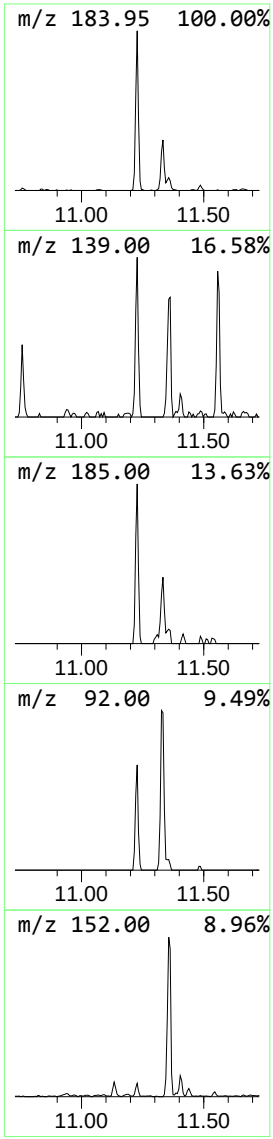
Peak Number 7 Dibenzothiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.227	7.12 ng	183505	Phenanthrene-d10	11.333

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





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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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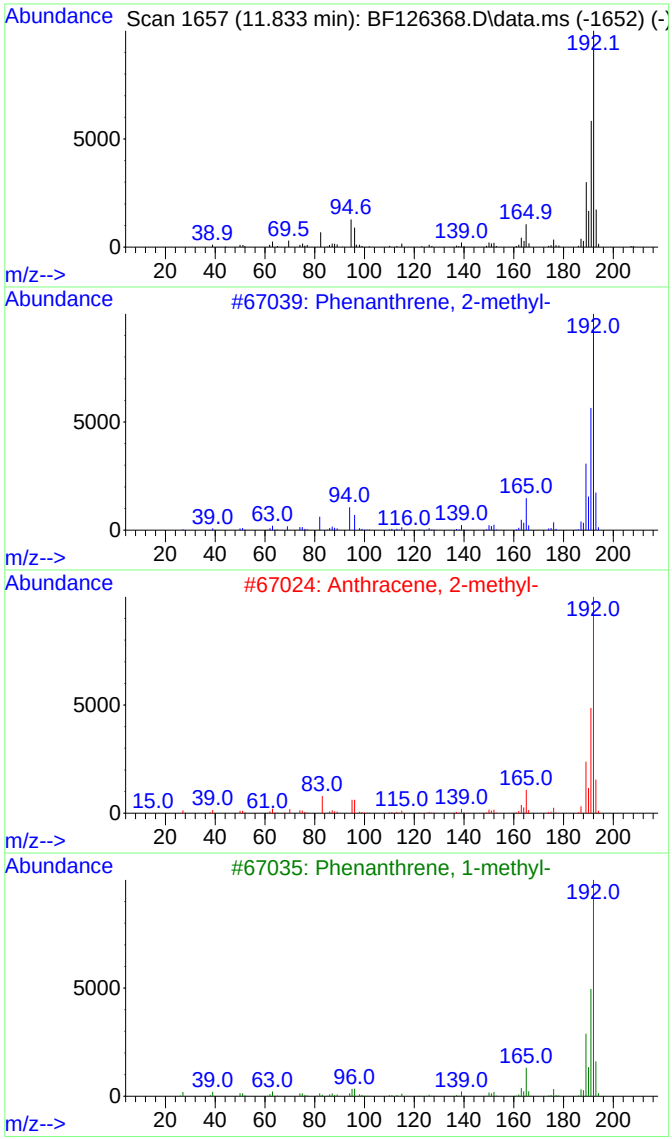
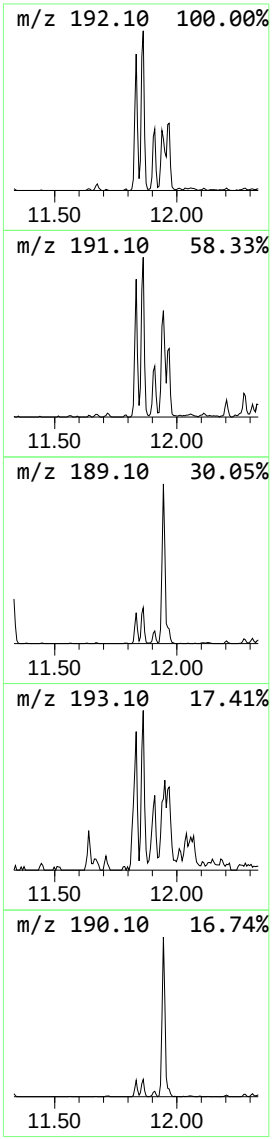
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.833	8.66 ng	223260	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	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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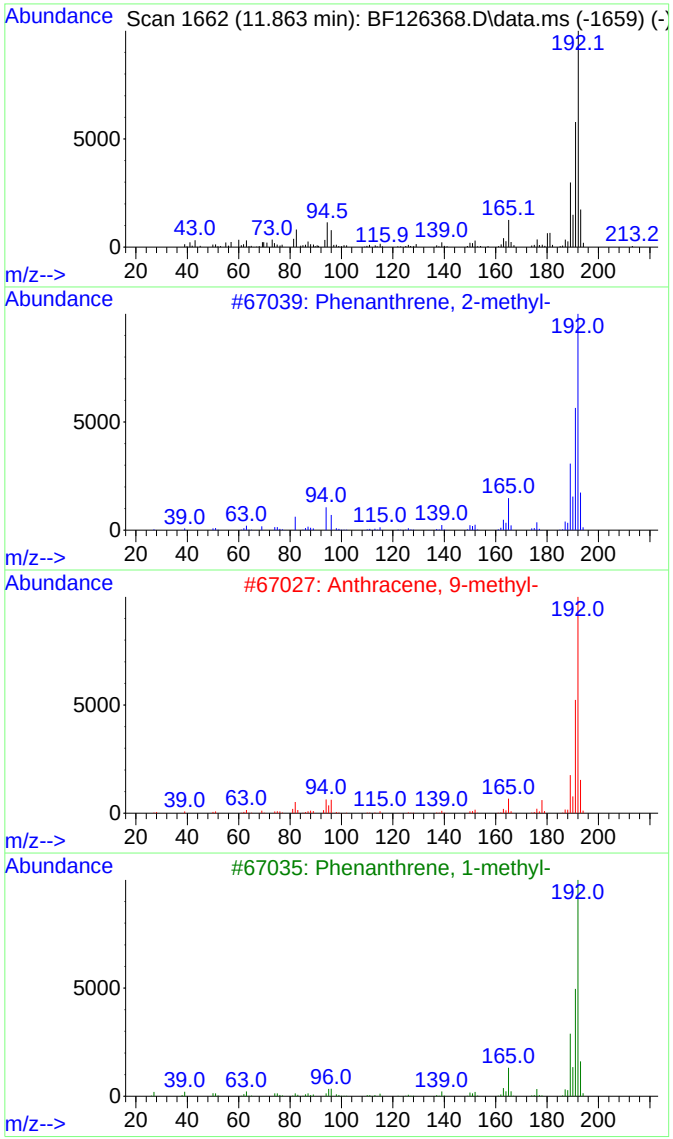
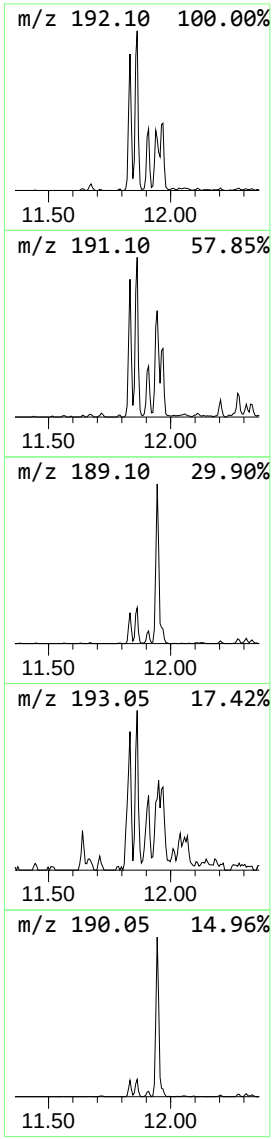
Peak Number 9 Anthracene, 9-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.863	12.77 ng	329296	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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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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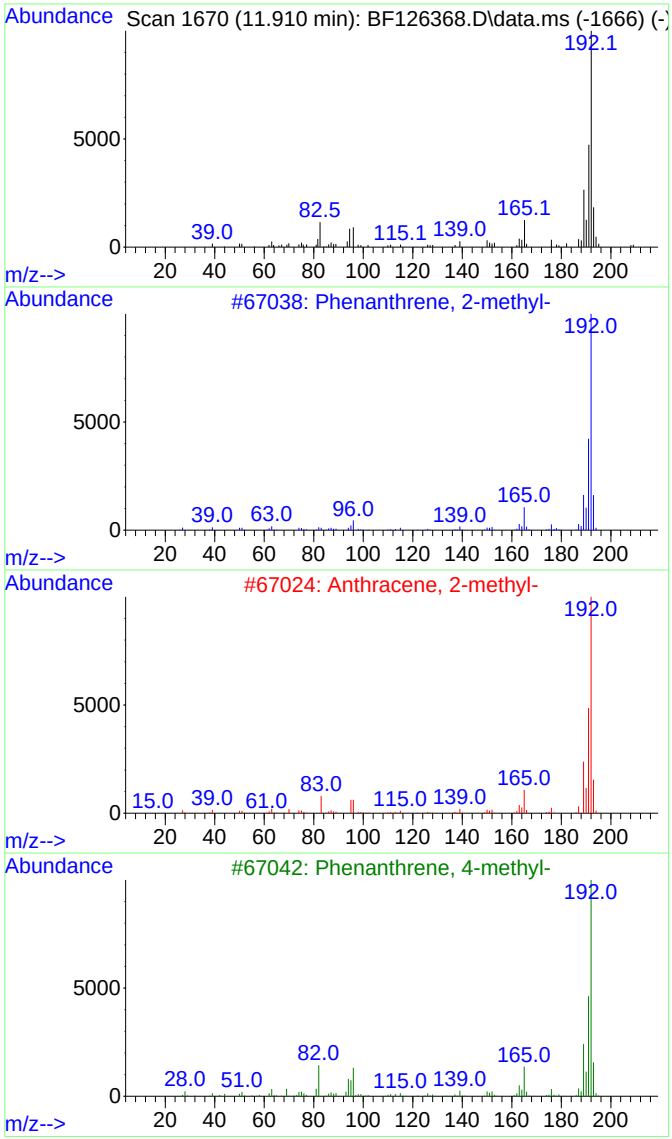
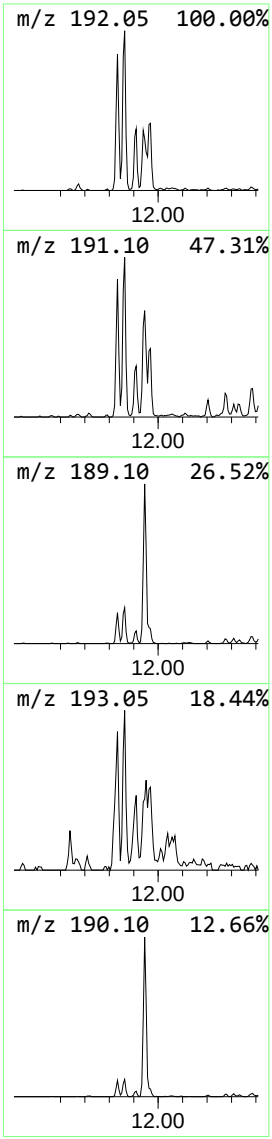
Peak Number 10 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.910	4.79 ng	123484	Phenanthrene-d10	11.333

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	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





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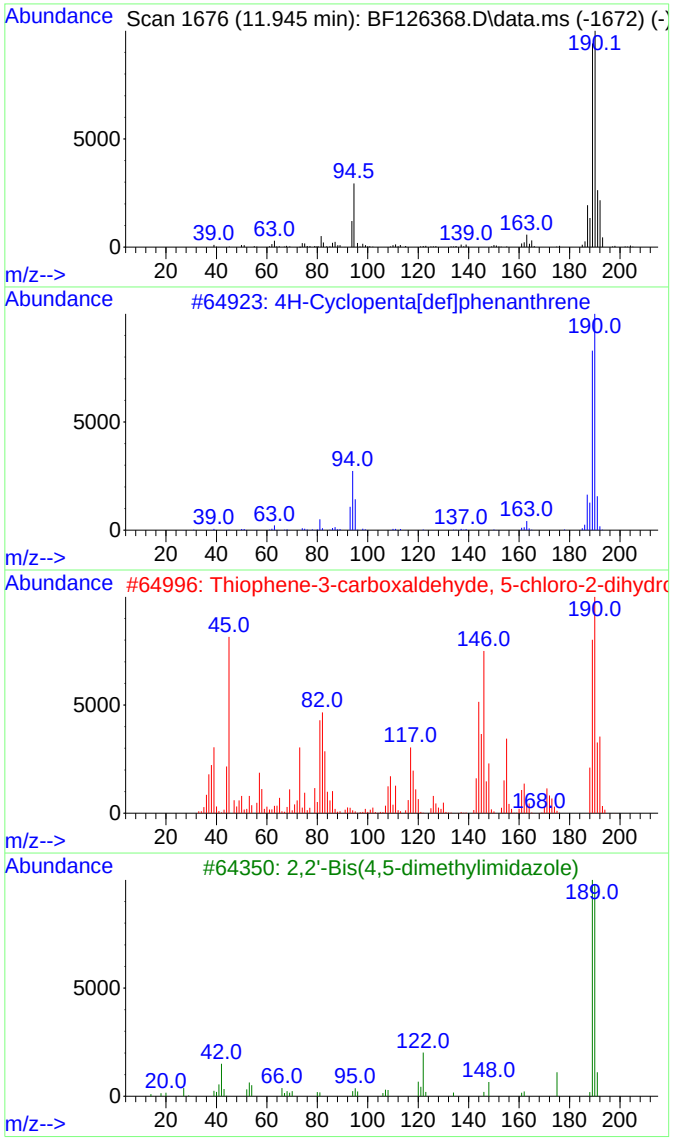
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

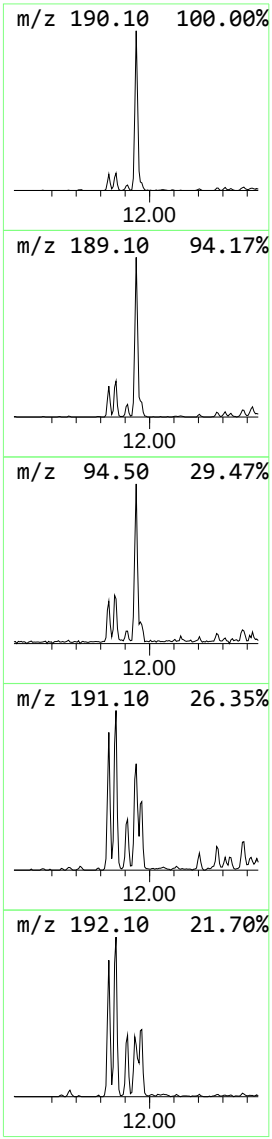
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	18.82 ng	485085	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	38
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
4	Cyclohexanone, 2-(2-furanylmethy...	190	C12H14O2	056053-07-7	22
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17





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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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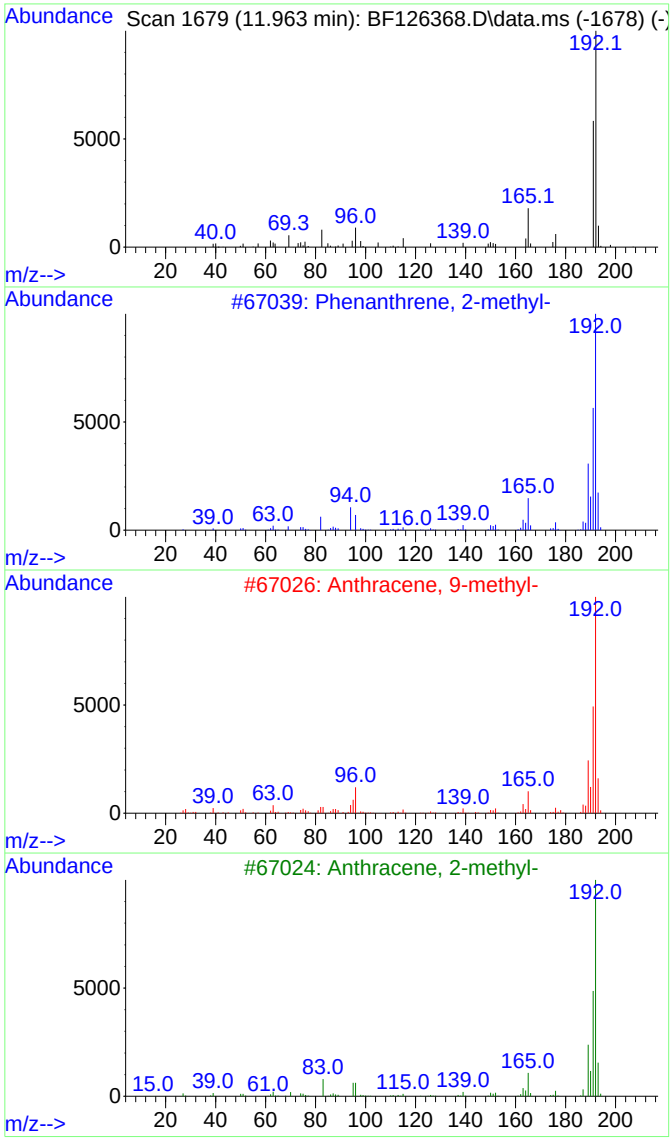
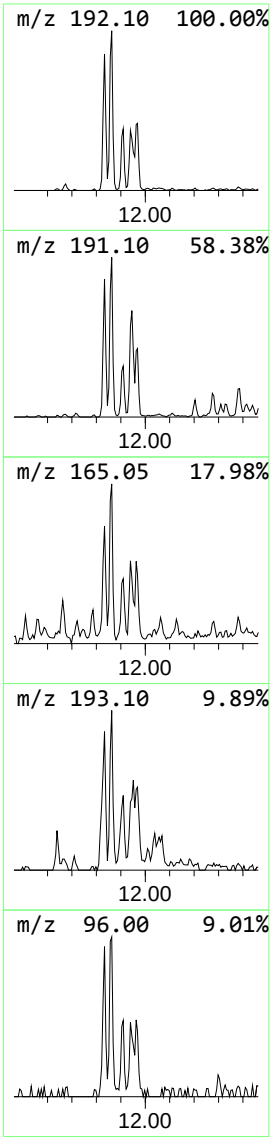
Peak Number 12 Phenanthrene, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.963	4.37 ng	112764	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	80
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	80
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	80





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

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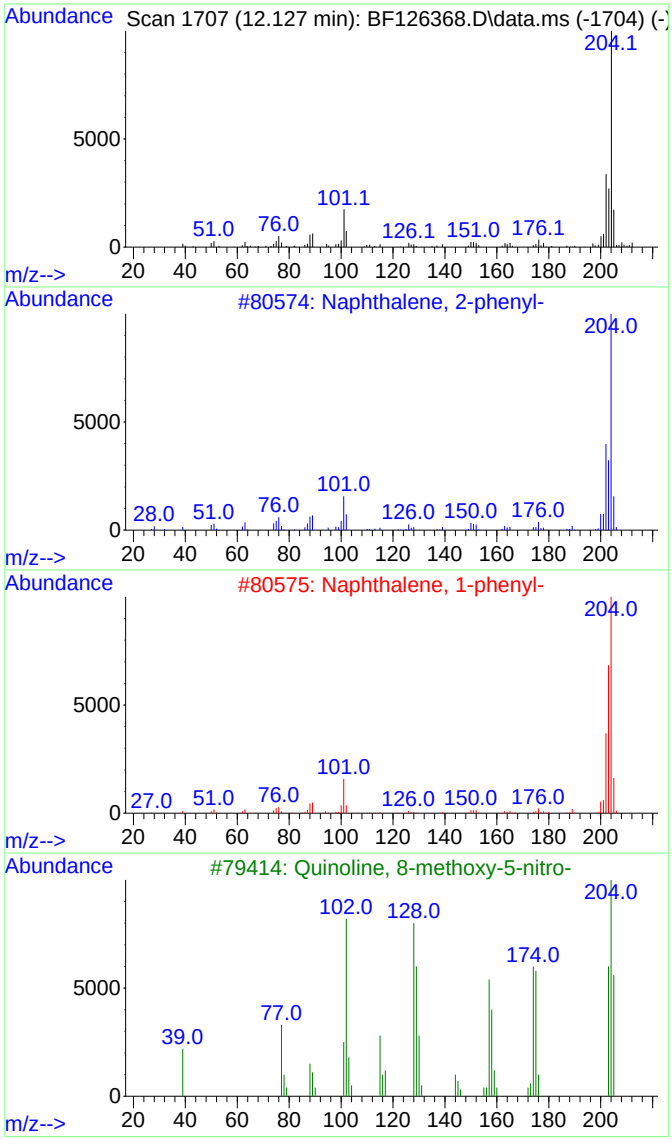
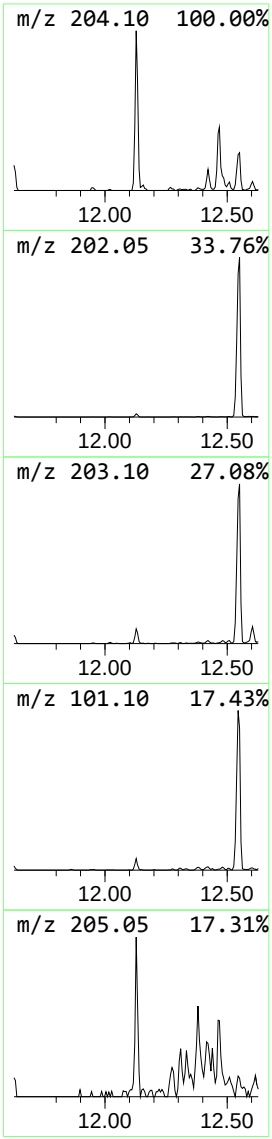
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.127	6.26 ng	161411	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
3	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	64
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	58
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	53





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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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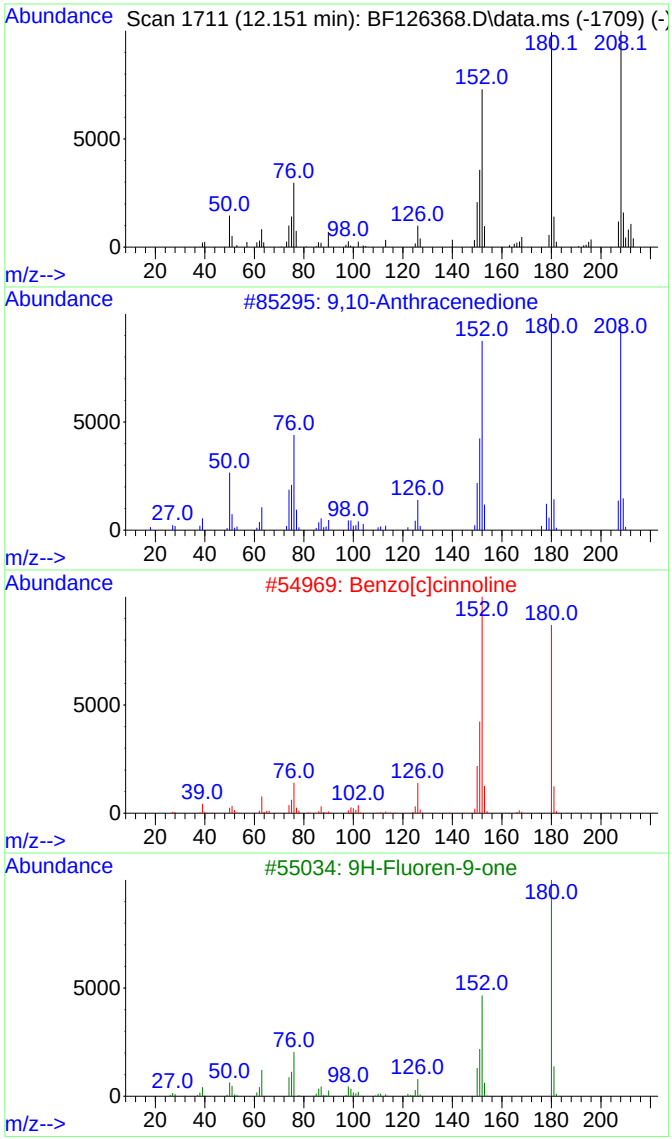
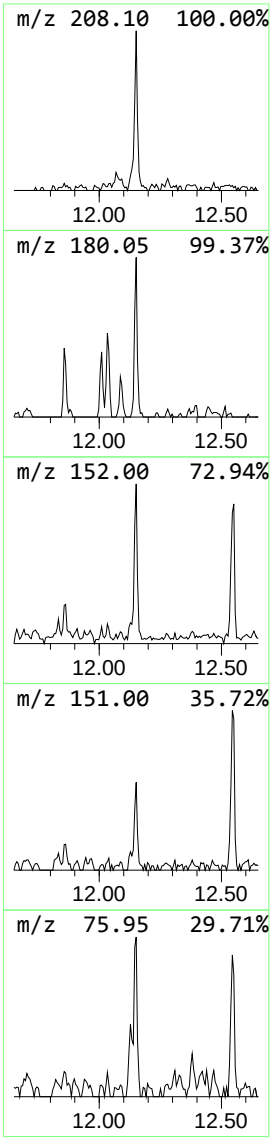
Peak Number 14 9,10-Anthracenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.151	3.78 ng	97374	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	55
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	55
5	2-(Dicyanomethylene)indene-1,3-d...	208	C12H4N2O2	016954-74-8	53





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TIC Library : C:\Database\NIST20.L
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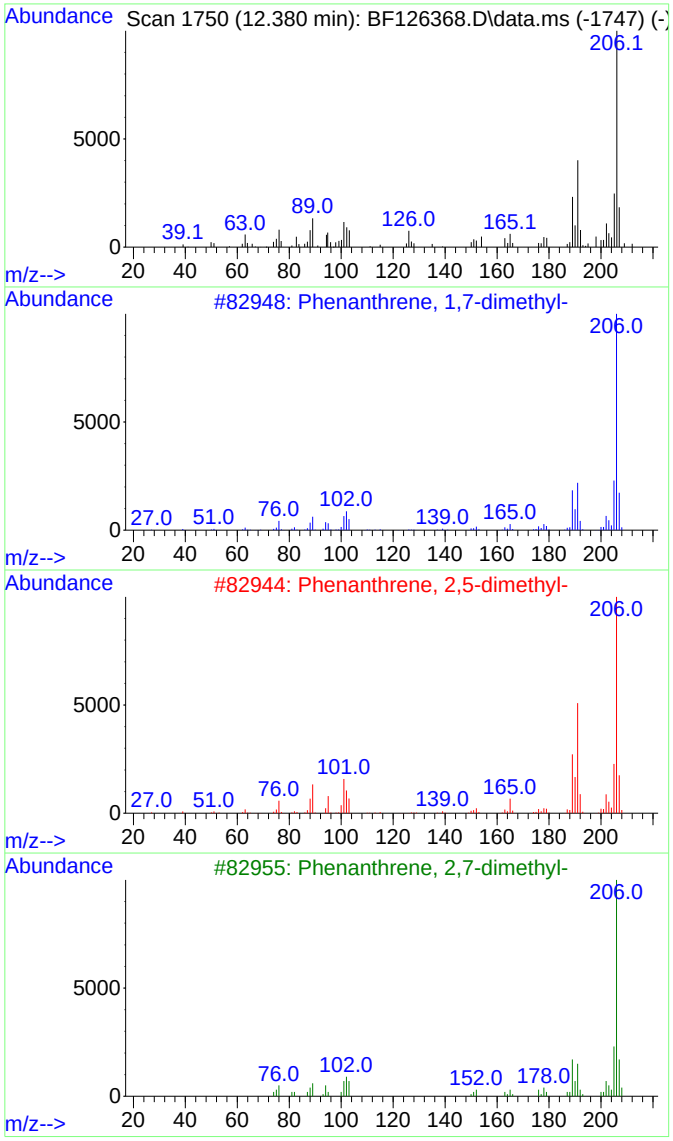
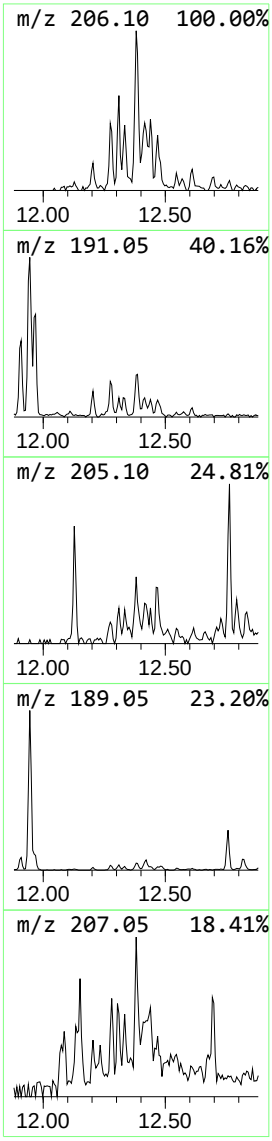
Peak Number 15 Phenanthrene, 1,7-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.380	4.49 ng	115647	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	96
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93





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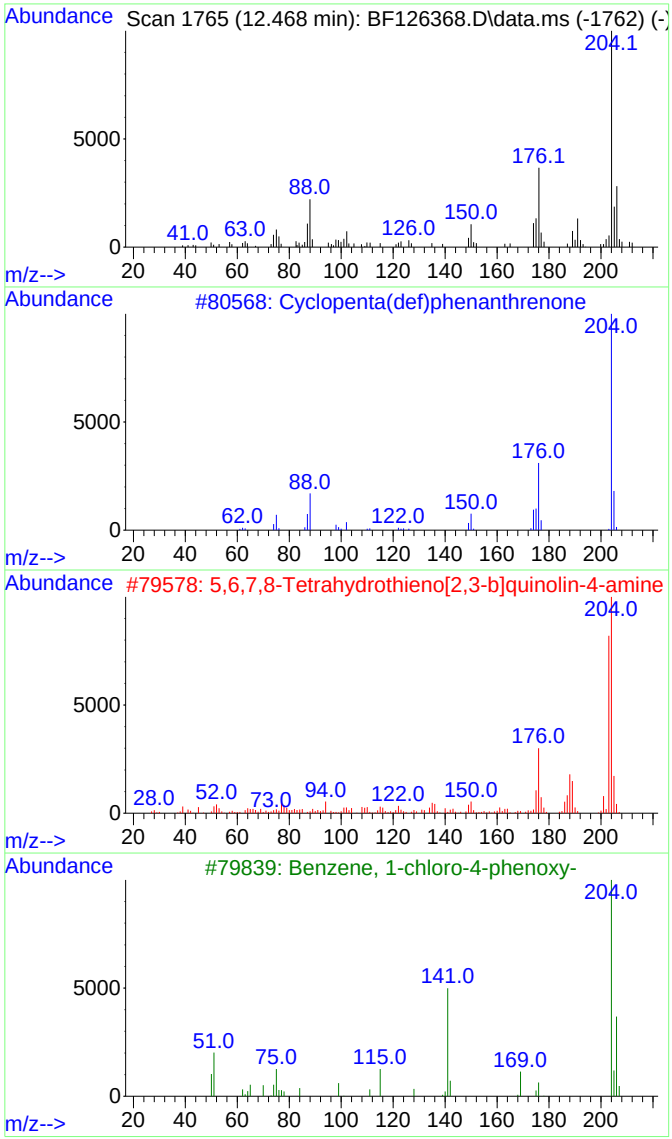
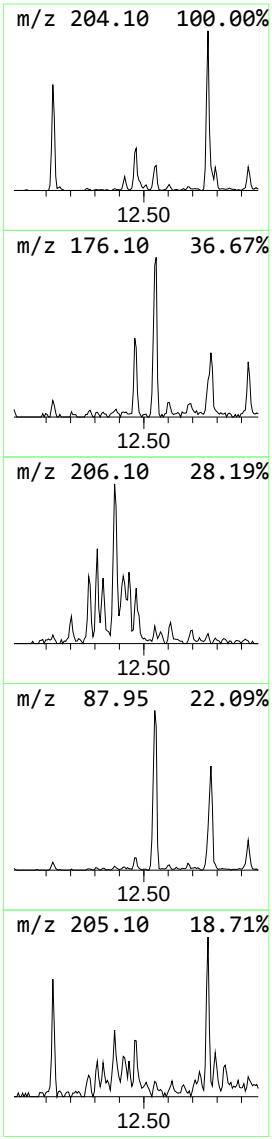
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.469	4.23 ng	109121	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	52
3	Benzene, 1-chloro-4-phenoxy-	204	C12H9ClO	007005-72-3	46
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	46
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43





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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.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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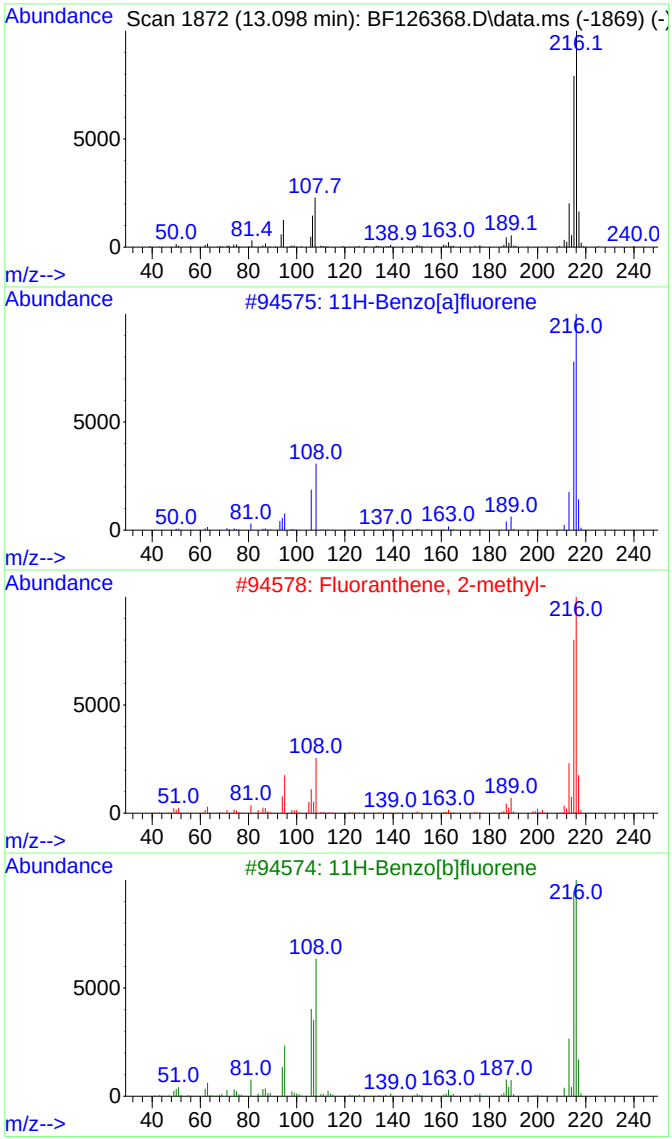
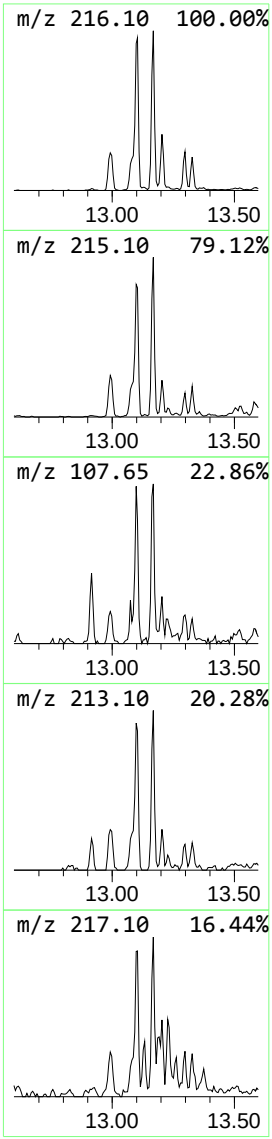
Peak Number 17 11H-Benzo[a]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.098	4.42 ng	392147	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





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Data File : BF126368.D
Acq On : 27 Dec 2021 21:43
Operator : JU/CG
Sample : M5230-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PSC124055

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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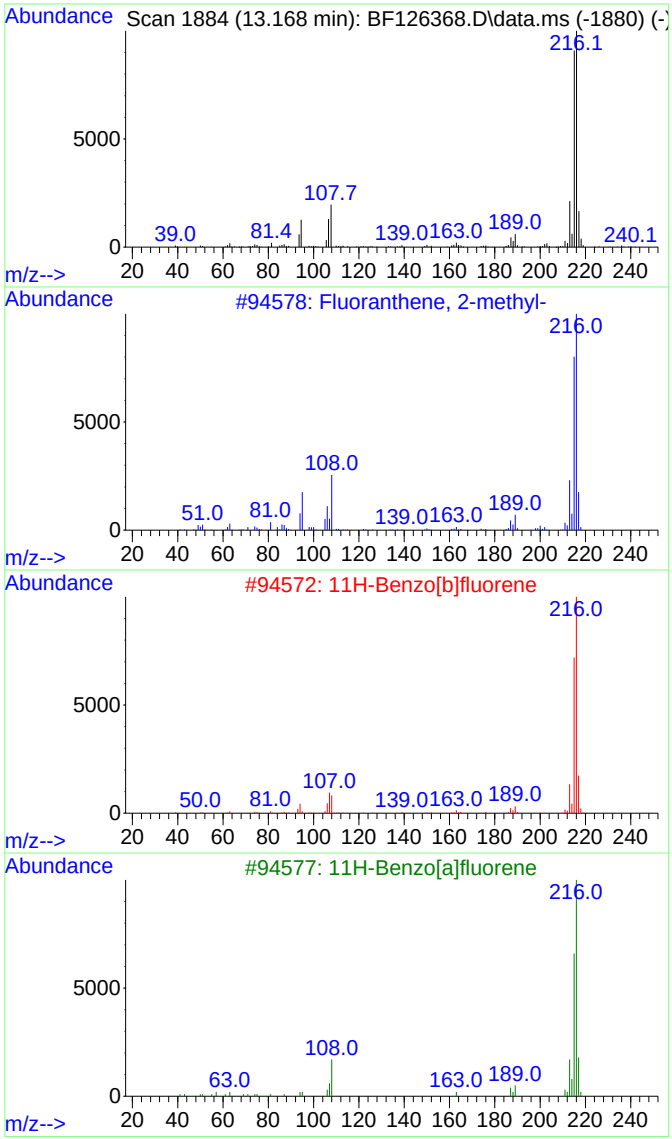
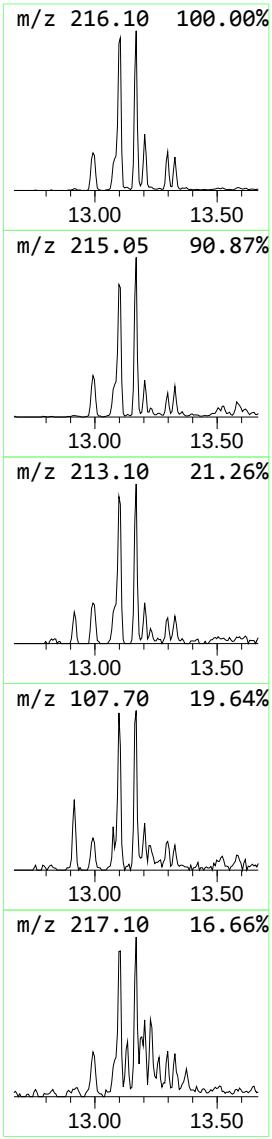
Peak Number 18 Fluoranthene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.168	4.19 ng	372130	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





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Data File : BF126368.D
Acq On : 27 Dec 2021 21:43
Operator : JU/CG
Sample : M5230-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PSC124055

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.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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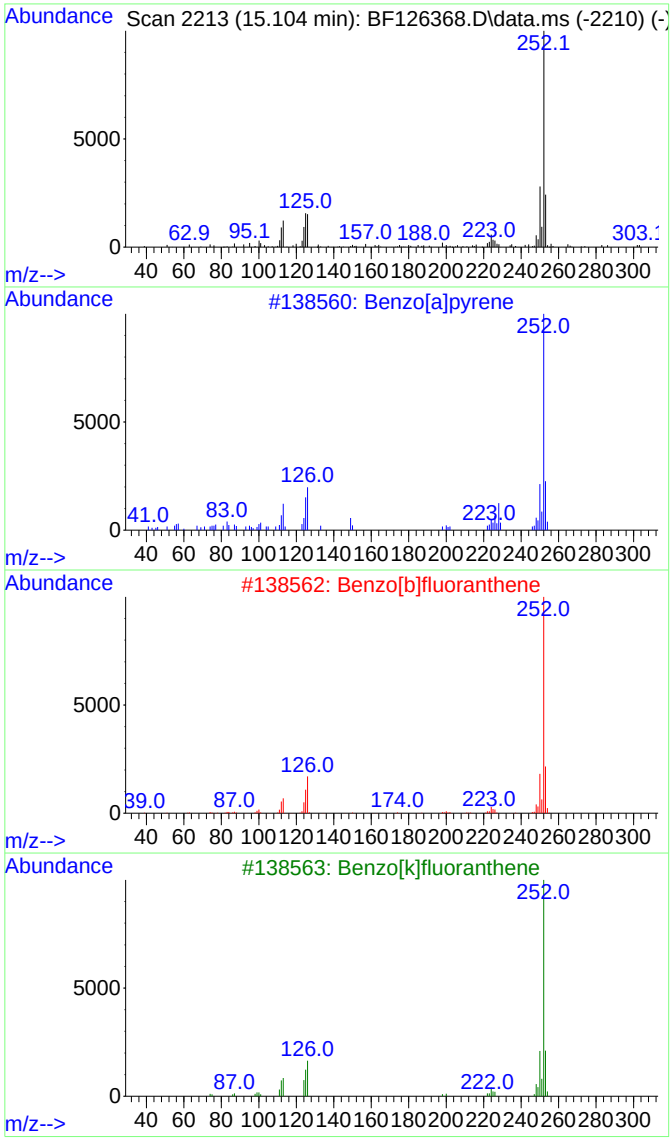
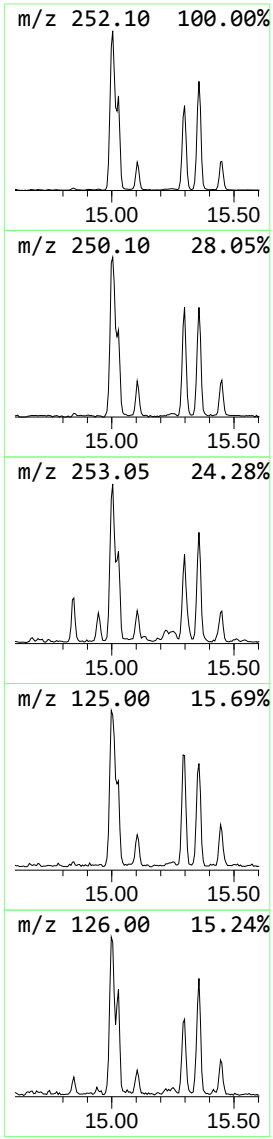
Peak Number 19 Benzo[e]pyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.104	3.81 ng	123498	Perylene-d12	15.421

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
Data File : BF126368.D
Acq On : 27 Dec 2021 21:43
Operator : JU/CG
Sample : M5230-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PSC124055

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.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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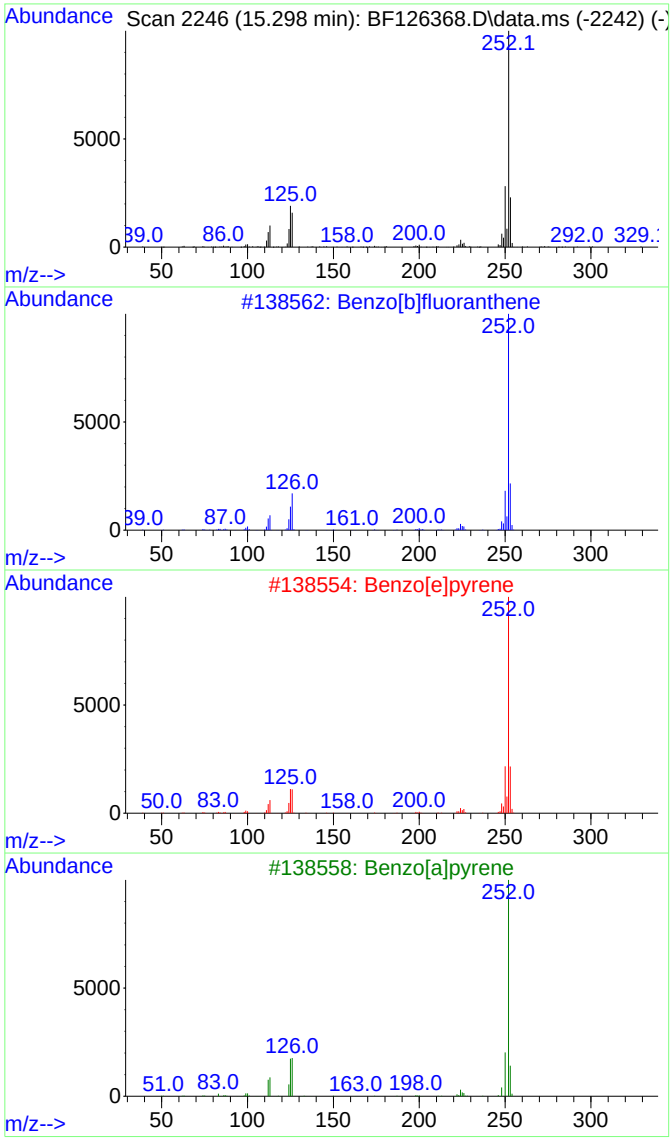
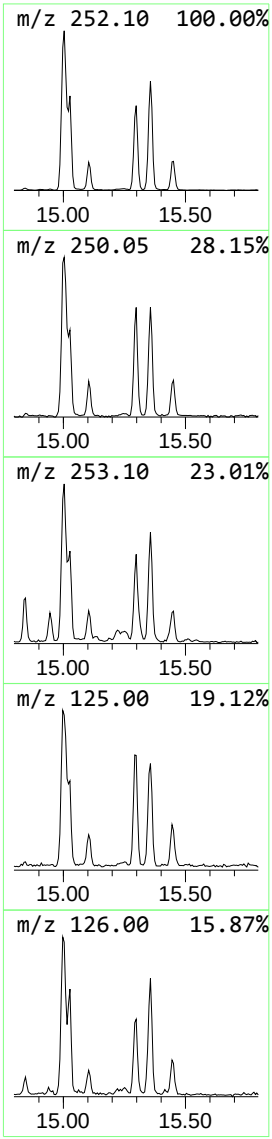
Peak Number 20 Benzo[j]fluoranthene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.298	12.14 ng	393308	Perylene-d12	15.421

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]fluoranthene	252	C20H12	000205-99-2	96
2	Benzo[e]pyrene	252	C20H12	000192-97-2	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	95
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
Data File : BF126368.D
Acq On : 27 Dec 2021 21:43
Operator : JU/CG
Sample : M5230-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PSC124055

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.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
Indene	7.069	4.4	ng	132949	1	6.810	608012	20.0
Naphthalene, 1,...	9.433	4.0	ng	131061	3	9.845	659577	20.0
Naphthalene, 2,...	9.504	4.2	ng	139142	3	9.845	659577	20.0
9H-Fluorene, 2-...	10.939	4.6	ng	119564	4	11.333	515625	20.0
9H-Fluoren-9-one	11.133	2.9	ng	75389	4	11.333	515625	20.0
Anthracene, 1,2...	11.192	3.0	ng	77639	4	11.333	515625	20.0
Dibenzothiophene	11.227	7.1	ng	183505	4	11.333	515625	20.0
Phenanthrene, 2...	11.833	8.7	ng	223260	4	11.333	515625	20.0
Anthracene, 9-m...	11.863	12.8	ng	329296	4	11.333	515625	20.0
Anthracene, 2-m...	11.910	4.8	ng	123484	4	11.333	515625	20.0
4H-Cyclopenta[d...	11.945	18.8	ng	485085	4	11.333	515625	20.0
Phenanthrene, 4...	11.963	4.4	ng	112764	4	11.333	515625	20.0
Naphthalene, 2-...	12.127	6.3	ng	161411	4	11.333	515625	20.0
9,10-Anthracene...	12.151	3.8	ng	97374	4	11.333	515625	20.0
Phenanthrene, 1...	12.380	4.5	ng	115647	4	11.333	515625	20.0
Cyclopenta(def)...	12.469	4.2	ng	109121	4	11.333	515625	20.0
11H-Benzo[a]flu...	13.098	4.4	ng	392147	5	13.974	1774540	20.0
Fluoranthene, 2...	13.168	4.2	ng	372130	5	13.974	1774540	20.0
Benzo[e]pyrene	15.104	3.8	ng	123498	6	15.421	647818	20.0
Benzo[j]fluoran...	15.298	12.1	ng	393308	6	15.421	647818	20.0