LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135381.D
Acq On : 21 Sep 2023 15:35
Operator : CG\JU
Sample : 04501-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC: BF135381.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.387	557	561	577	rBV	2735692	2865748	82.28%	5.095%
2	6.404	729	734	748	rBV	2851460	2894014	83.09%	5.145%
3	6.757	790	794	800	rVB	1139246	920186	26.42%	1.636%
4	7.322	886	890	893	rBV	2111361	1798487	51.64%	3.198%
5	8.033	1005	1011	1014	rBV	1284983	1201511	34.50%	2.136%
6	8.057	1014	1015	1017	rVB	183251	97008	2.79%	0.172%
7	8.751	1130	1133	1136	rBV	336487	259095	7.44%	0.461%
8	8.845	1145	1149	1153	rVB	340954	300644	8.63%	0.535%
9	9.116	1190	1195	1198	rBV	3142608	2709799	77.80%	4.818%
10	9.380	1235	1240	1243	rBV2	181134	236819	6.80%	0.421%
11	9.451	1248	1252	1254	rVV	323435	312161	8.96%	0.555%
12	9.475	1254	1256	1261	rVV	187478	206153	5.92%	0.367%
13	9.516	1261	1263	1266	rVV	111241	94621	2.72%	0.168%
14	9.569	1269	1272	1277	rVB	155326	165209	4.74%	0.294%
15	9.651	1283	1286	1290	rVB	281452	232651	6.68%	0.414%
16	9.792	1304	1310	1313	rBV	1279347	1151332	33.06%	2.047%
17	9.827	1313	1316	1319	rVV	554958	525793	15.10%	0.935%
18	9.998	1341	1345	1349	rVV	387367	328074	9.42%	0.583%
19	10.033	1349	1351	1356	rVB	111152	102705	2.95%	0.183%
20	10.110	1360	1364	1367	rBV2	122935	126420	3.63%	0.225%
21	10.198	1375	1379	1381	rBV2	76753	93258	2.68%	0.166%
22	10.339	1400	1403	1409	rVB	747056	727948	20.90%	1.294%
23	10.410	1409	1415	1416	rBV	84502	111510	3.20%	0.198%
24	10.498	1427	1430	1434	rVB	143159	135020	3.88%	0.240%
25	10.586	1438	1445	1449	rBV	1526999	1456262	41.81%	2.589%
26	10.710	1462	1466	1473	rVB2	157215	208182	5.98%	0.370%
27	10.892	1492	1497	1500	rBV2	204296	232331	6.67%	0.413%
28	10.921	1500	1502	1505	rVV	138455	122626	3.52%	0.218%
29	10.974	1508	1511	1514	rVB	119027	103619	2.98%	0.184%
30	11.021	1514	1519	1521	rBV2	67197	91682	2.63%	0.163%
31	11.180	1543	1546	1553	rVB	419647	377299	10.83%	0.671%
32	11.286	1560	1564	1566	rBV	1012332	977107	28.05%	1.737%
33	11.316	1566	1569	1572	rVV	2994117	2773435	79.63%	4.931%
34	11.363	1572	1577	1580	rVB	779611	632329	18.15%	1.124%
35	11.398	1580	1583	1586	rBV2	129127	134189	3.85%	0.239%
36	11.521	1600	1604	1612	rBV	312229	327236	9.40%	0.582%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
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Acq On : 21 Sep 2023 15:35
Operator : CG\JU
Sample : 04501-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

37	11.580	1612	1614	1617	rVV	146495	116644	3.35%	0.207%
38	11.616	1617	1620	1625	rVB	225124	214763	6.17%	0.382%
39	11.698	1629	1634	1639	rVB	141954	197624	5.67%	0.351%
40	11.792	1646	1650	1652	rVV	625150	589363	16.92%	1.048%
41	11.821	1652	1655	1659	rVV	1015888	908772	26.09%	1.616%
42	11.868	1660	1663	1665	rVV	185233	170235	4.89%	0.303%
43	11.904	1665	1669	1671	rVV	1050206	1077975	30.95%	1.917%
44	11.921	1671	1672	1678	rVB	420866	351306	10.09%	0.625%
45	12.086	1697	1700	1703	rVV	379043	365036	10.48%	0.649%
46	12.121	1703	1706	1711	rVB	252704	249180	7.15%	0.443%
47	12.239	1724	1726	1728	rVV	128102	114508	3.29%	0.204%
48	12.268	1728	1731	1733	rVV	227493	199236	5.72%	0.354%
49	12.292	1733	1735	1738	rVB2	161860	131639	3.78%	0.234%
50	12.345	1740	1744	1747	rBV	458695	469265	13.47%	0.834%
51	12.380	1747	1750	1752	rVV2	318457	342445	9.83%	0.609%
52	12.398	1752	1753	1756	rVB	133651	103378	2.97%	0.184%
53	12.433	1756	1759	1763	rBV3	206494	298725	8.58%	0.531%
54	12.510	1768	1772	1776	rBV	3052872	3115797	89.46%	5.540%
55	12.551	1776	1779	1781	rVV2	148005	163046	4.68%	0.290%
56	12.610	1785	1789	1791	rVV2	121514	145952	4.19%	0.259%
57	12.657	1794	1797	1801	rVV2	235934	260309	7.47%	0.463%
58	12.739	1805	1811	1817	rBV	2716591	3482965	100.00%	6.192%
59	12.792	1817	1820	1824	rVB2	177683	217437	6.24%	0.387%
60	12.857	1827	1831	1832	rBV2	170329	167254	4.80%	0.297%
61	12.880	1832	1835	1842	rVB	2035811	2105982	60.47%	3.744%
62	12.957	1843	1848	1852	rBV2	293515	458444	13.16%	0.815%
63	13.045	1860	1863	1864	rBV2	256038	272718	7.83%	0.485%
64	13.068	1864	1867	1870	rVB	720501	693697	19.92%	1.233%
65	13.115	1870	1875	1876	rBV2	119210	138375	3.97%	0.246%
66	13.133	1876	1878	1881	rVV	625567	515889	14.81%	0.917%
67	13.174	1881	1885	1889	rVV2	438858	477961	13.72%	0.850%
68	13.263	1897	1900	1903	rVB	316374	263353	7.56%	0.468%
69	13.298	1903	1906	1909	rBV	292678	290332	8.34%	0.516%
70	13.474	1929	1936	1937	rBV5	97400	196625	5.65%	0.350%
71	13.551	1947	1949	1952	rBV	126405	162619	4.67%	0.289%
72	13.580	1952	1954	1958	rVB2	165122	195390	5.61%	0.347%
73	13.692	1968	1973	1975	rBV	418084	448870	12.89%	0.798%
74	13.715	1975	1977	1979	rVB	259376	178269	5.12%	0.317%
75	13.745	1979	1982	1983	rBV	168719	137456	3.95%	0.244%
76	13.792	1988	1990	1993	rVB	205654	171575	4.93%	0.305%

LSC Area Percent Report

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Data File : BF135381.D
Acq On : 21 Sep 2023 15:35
Operator : CG\JU
Sample : 04501-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

77	13.862	1999	2002	2004	rBV	109019	105291	3.02%	0.187%
78	13.939	2011	2015	2018	rBV2	1469182	2156239	61.91%	3.834%
79	13.974	2018	2021	2028	rVB	1352705	1410525	40.50%	2.508%
80	14.027	2028	2030	2032	rBV	120262	122276	3.51%	0.217%
81	14.051	2032	2034	2036	rVB	246308	176183	5.06%	0.313%
82	14.098	2039	2042	2043	rBV	123635	132654	3.81%	0.236%
83	14.174	2054	2055	2058	rVV	118498	100884	2.90%	0.179%
84	14.204	2058	2060	2063	rVB2	101804	93214	2.68%	0.166%
85	14.333	2077	2082	2085	rVV	378418	472453	13.56%	0.840%
86	14.368	2085	2088	2092	rVV	215782	238276	6.84%	0.424%
87	14.427	2094	2098	2101	rVV2	210961	340537	9.78%	0.605%
88	14.457	2101	2103	2105	rVV	239223	230192	6.61%	0.409%
89	14.480	2105	2107	2110	rVB	253466	213678	6.13%	0.380%
90	14.827	2164	2166	2170	rBV2	85451	98099	2.82%	0.174%
91	14.986	2189	2193	2196	rBV	816231	1196843	34.36%	2.128%
92	15.057	2203	2205	2209	rVB	214641	210378	6.04%	0.374%
93	15.092	2209	2211	2216	rVB	162959	164638	4.73%	0.293%
94	15.286	2240	2244	2250	rVB	511510	640091	18.38%	1.138%
95	15.351	2251	2255	2260	rVV	716960	914895	26.27%	1.627%
96	15.409	2261	2265	2268	rVV	509497	648935	18.63%	1.154%
97	15.439	2268	2270	2277	rVB2	208812	323231	9.28%	0.575%
98	15.874	2342	2344	2351	rVB2	99155	153085	4.40%	0.272%
99	16.892	2511	2517	2526	rVB2	239833	515182	14.79%	0.916%
100	17.339	2588	2593	2599	rBV	199338	395219	11.35%	0.703%

Sum of corrected areas: 56245870

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135381.D
Acq On : 21 Sep 2023 15:35
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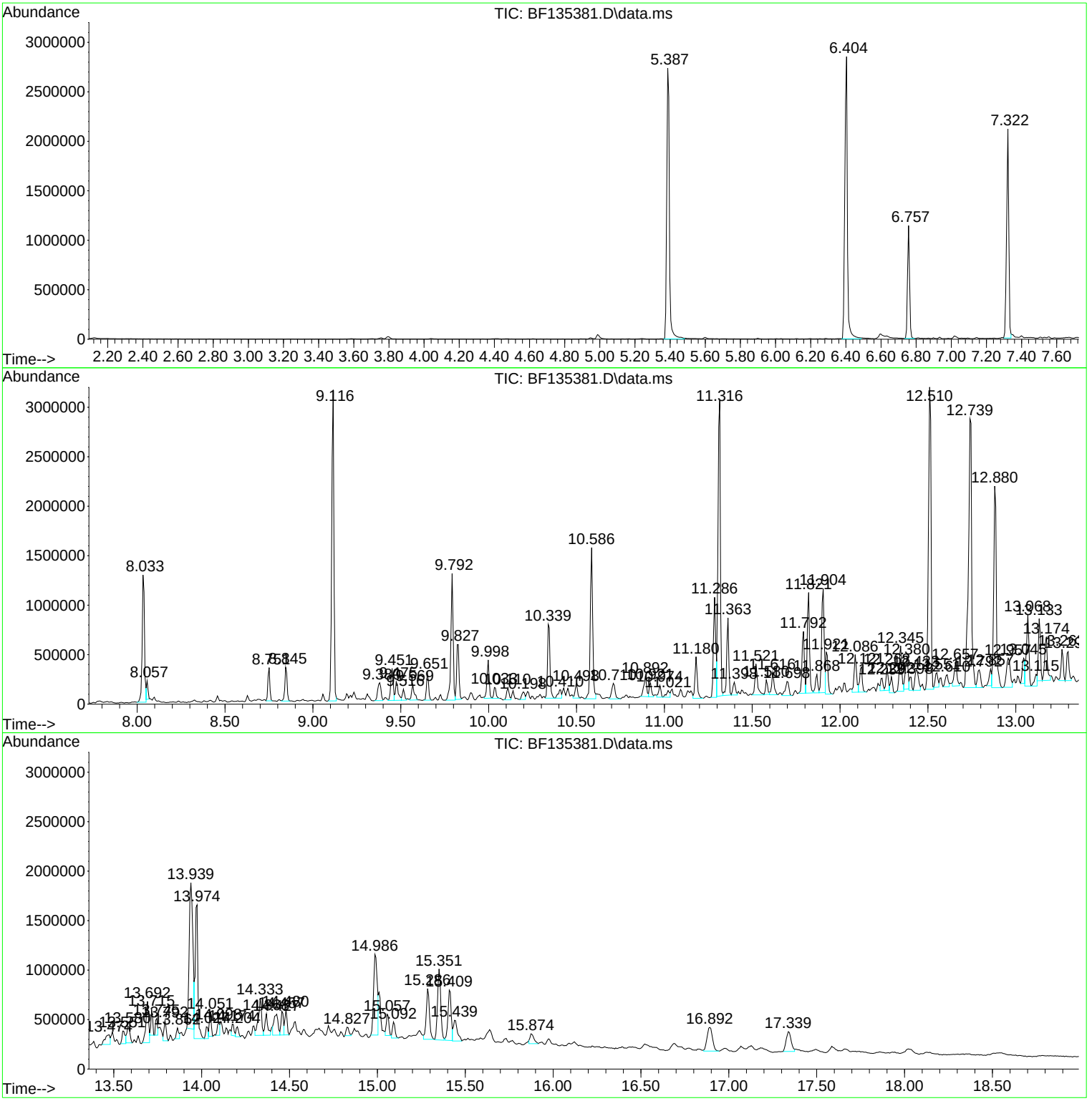
Sample : 04501-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

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

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135381.D
Acq On : 21 Sep 2023 15:35
Operator : CG\JU
Sample : 04501-07
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Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

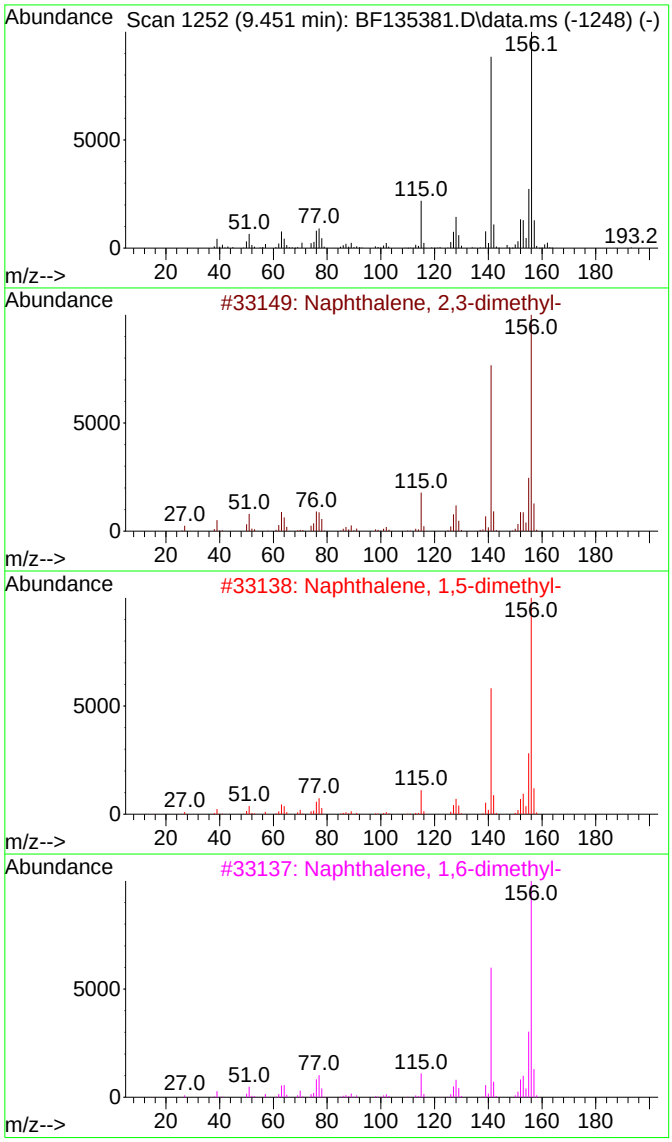
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

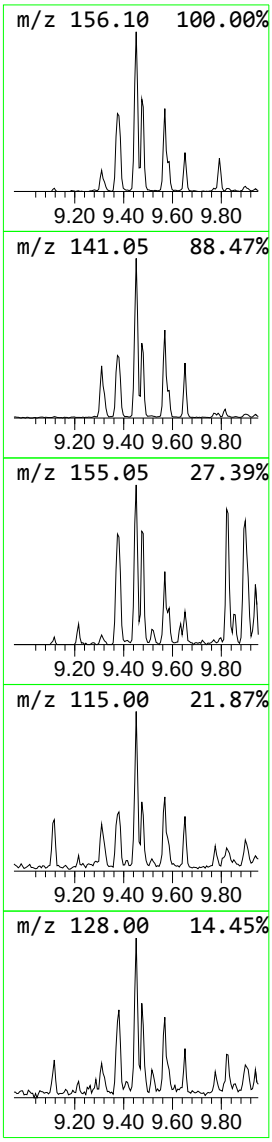
****

Peak Number 1 Naphthalene, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.451	5.42 ng	312161	Acenaphthene-d10	9.792

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135381.D
Acq On : 21 Sep 2023 15:35
Operator : CG\JU
Sample : 04501-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

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

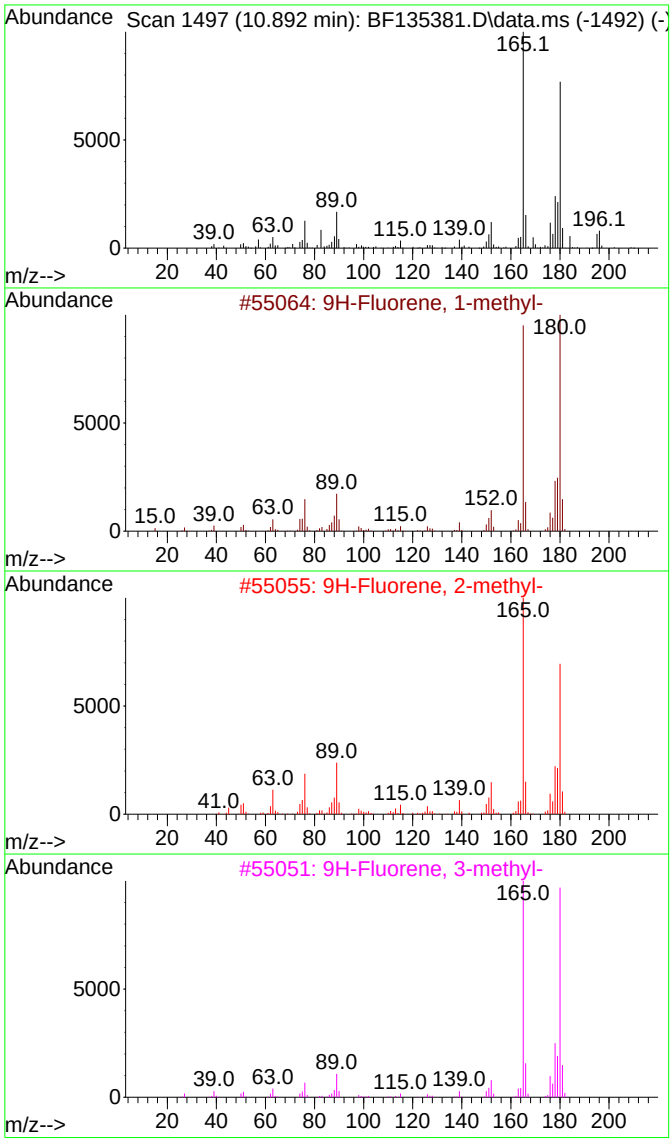
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

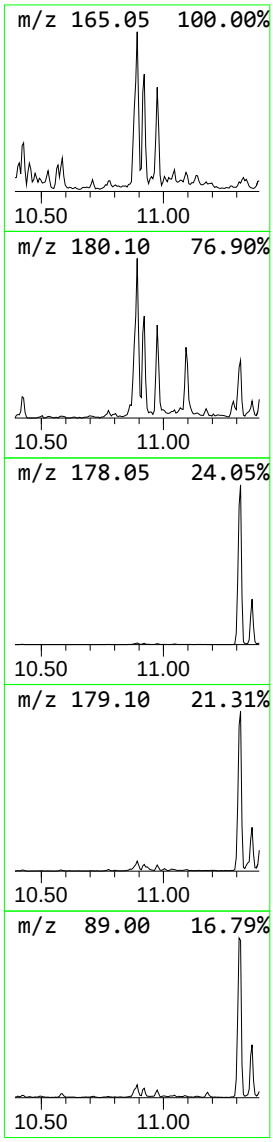
****

Peak Number 2 9H-Fluorene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.892	4.76 ng	232331	Phenanthrene-d10	11.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135381.D
Acq On : 21 Sep 2023 15:35
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Sample : 04501-07
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ALS Vial : 13 Sample Multiplier: 1

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

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

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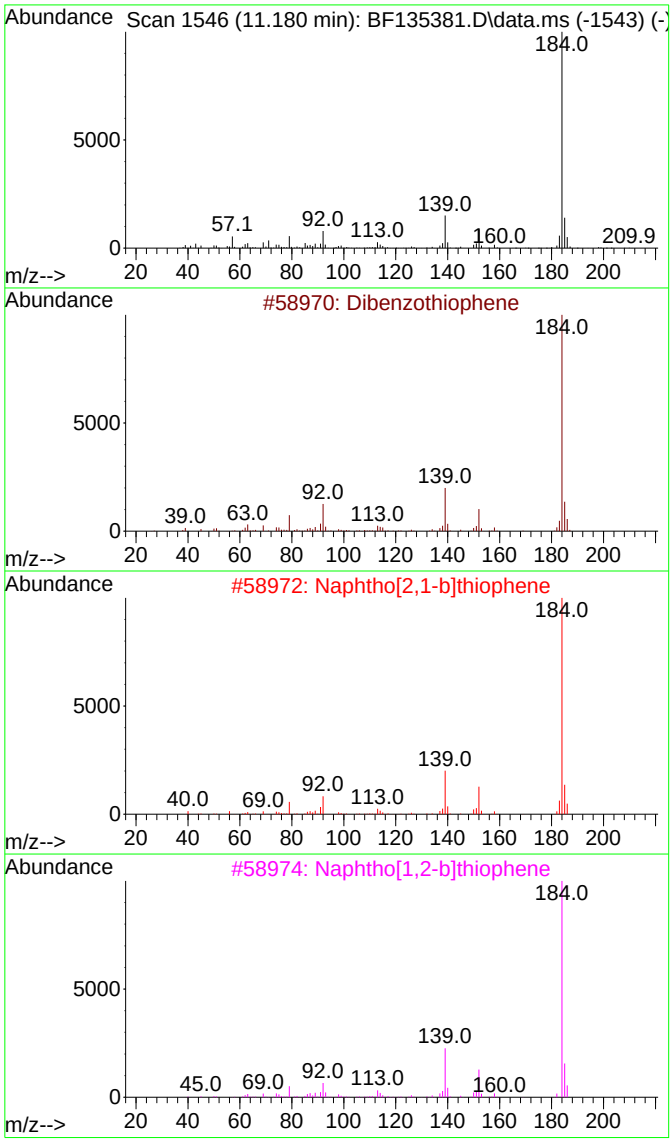
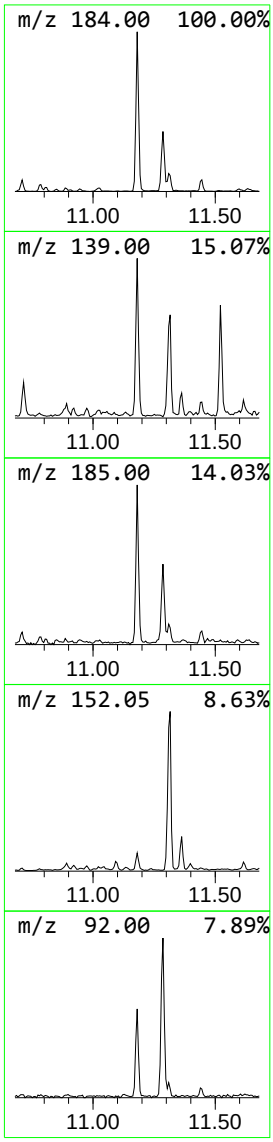
Peak Number 3 Dibenzothiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.180	7.72 ng	377299	Phenanthrene-d10	11.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135381.D
Acq On : 21 Sep 2023 15:35
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Sample : 04501-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

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

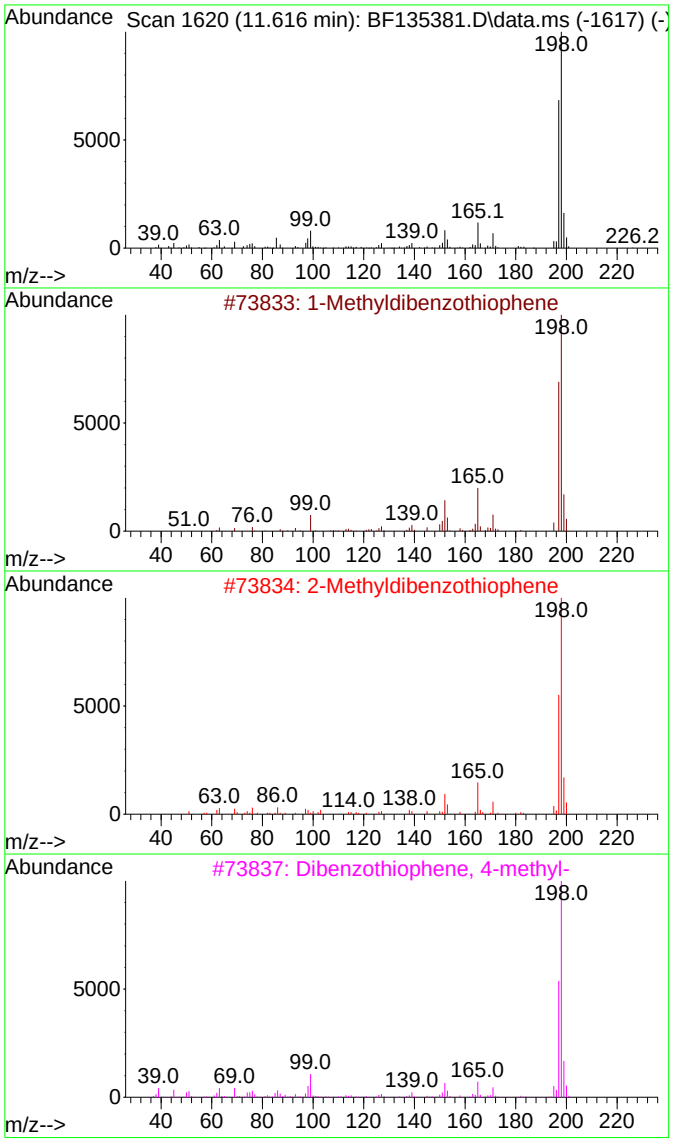
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

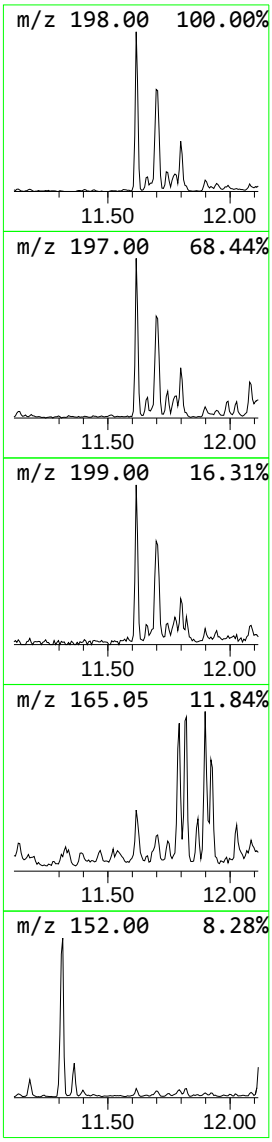
****

Peak Number 4 1-Methyldibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.616	4.40 ng	214763	Phenanthrene-d10	11.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	94
2	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	91
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	87
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135381.D
Acq On : 21 Sep 2023 15:35
Operator : CG\JU
Sample : 04501-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

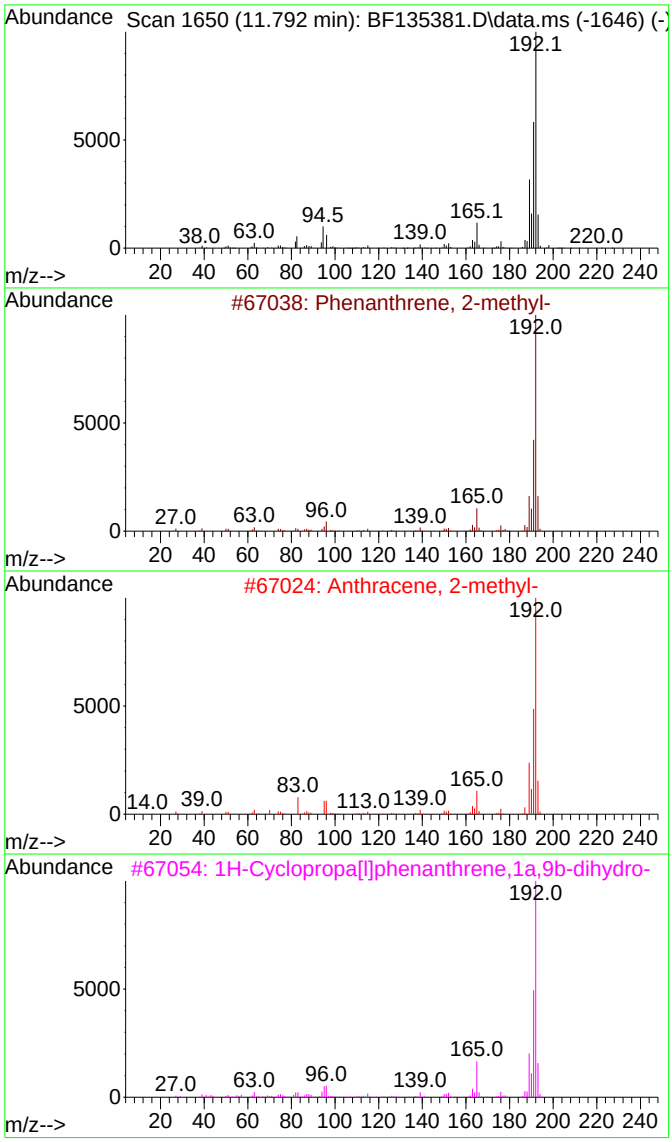
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

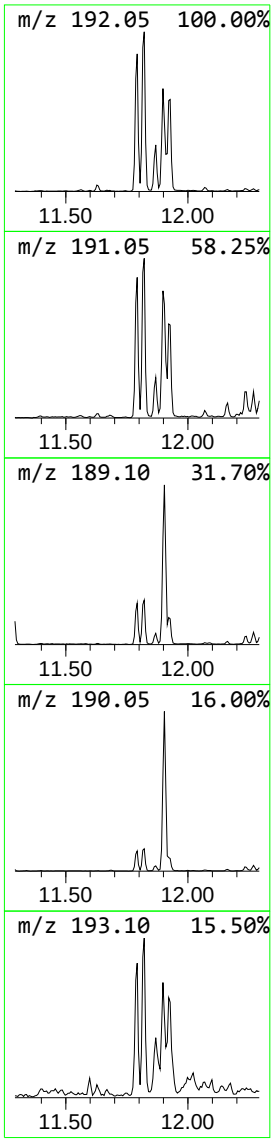
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.792	12.06 ng	589363	Phenanthrene-d10	11.286

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





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Acq On : 21 Sep 2023 15:35
Operator : CG\JU
Sample : 04501-07
Misc :
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Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

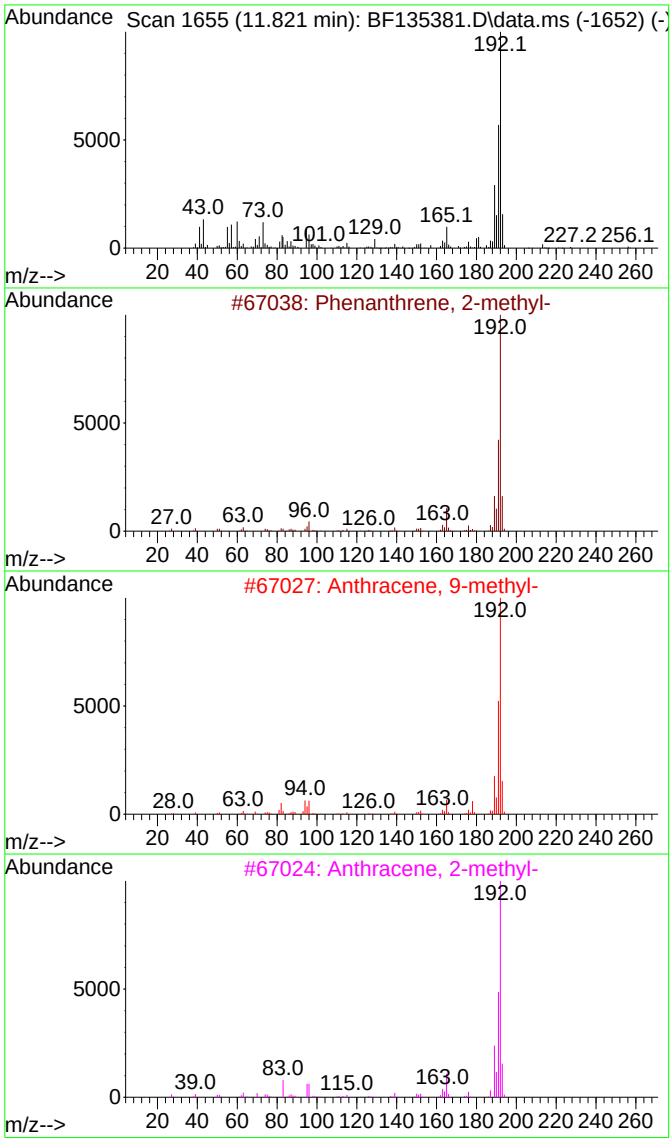
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

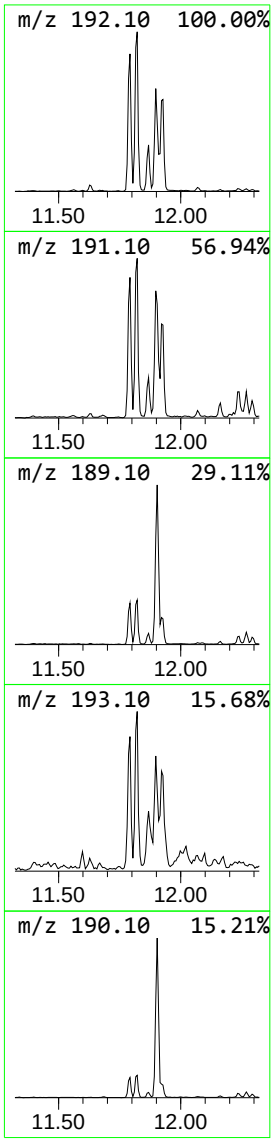
****

Peak Number 6 Anthracene, 9-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.821	18.60 ng	908772	Phenanthrene-d10	11.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





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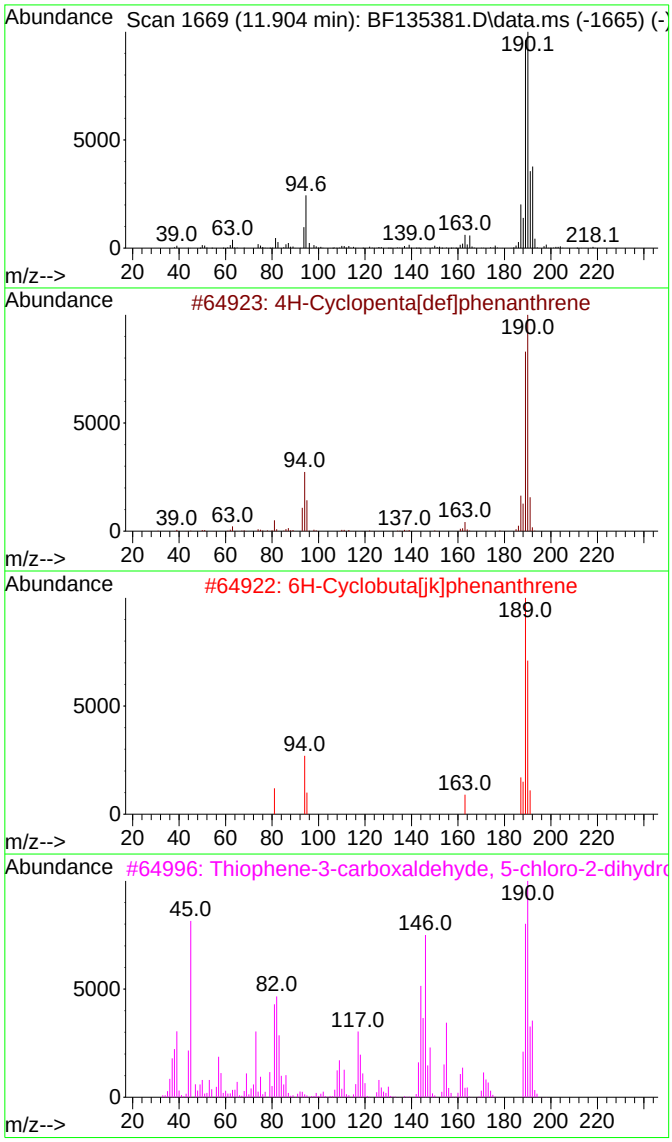
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

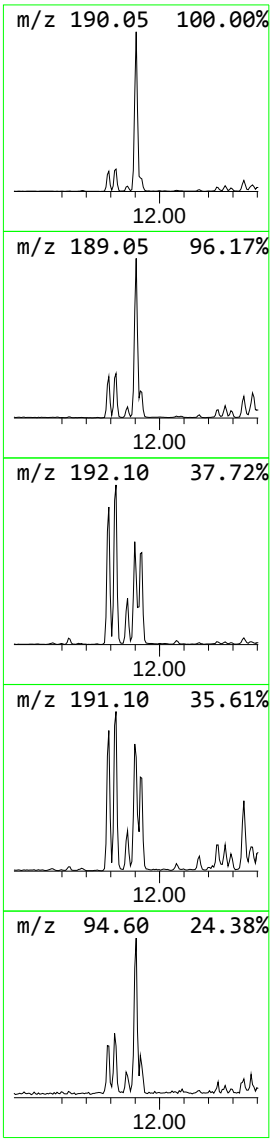
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.904	22.06 ng	1077980	Phenanthrene-d10	11.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	56
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	Methyl diselenide	190	C2H6Se2	007101-31-7	46





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Instrument :
BNA_F
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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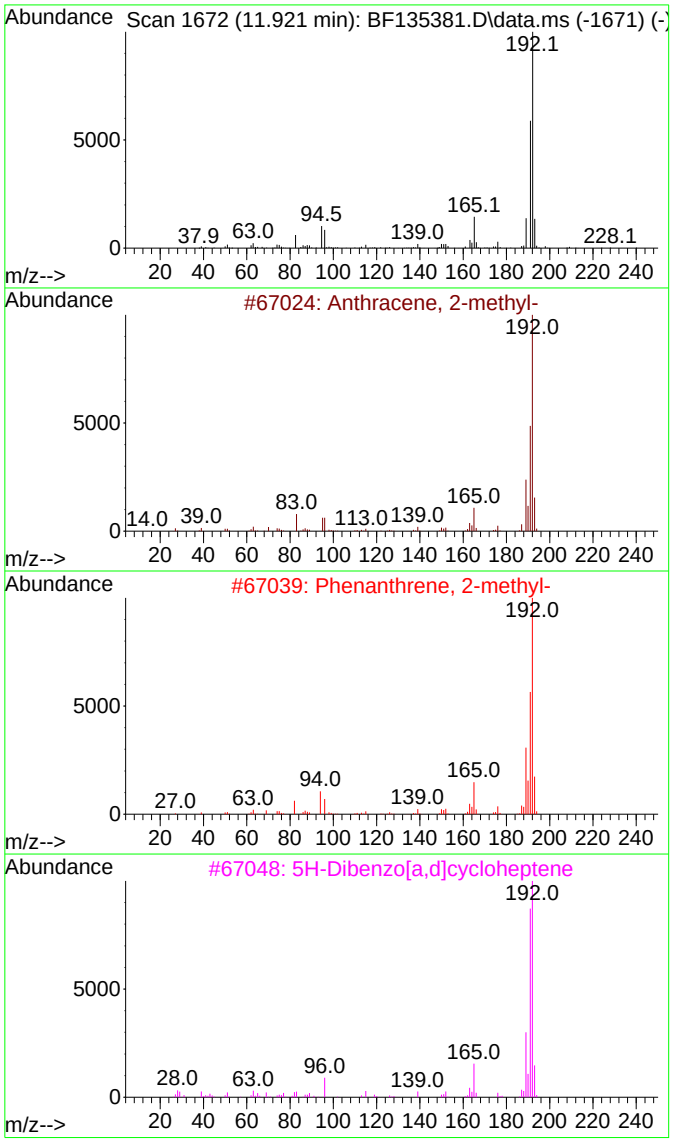
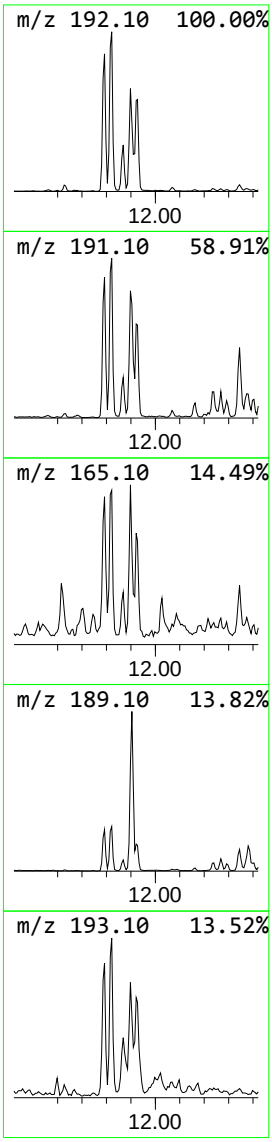
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.921	7.19 ng	351306	Phenanthrene-d10	11.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





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ALS Vial : 13 Sample Multiplier: 1

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

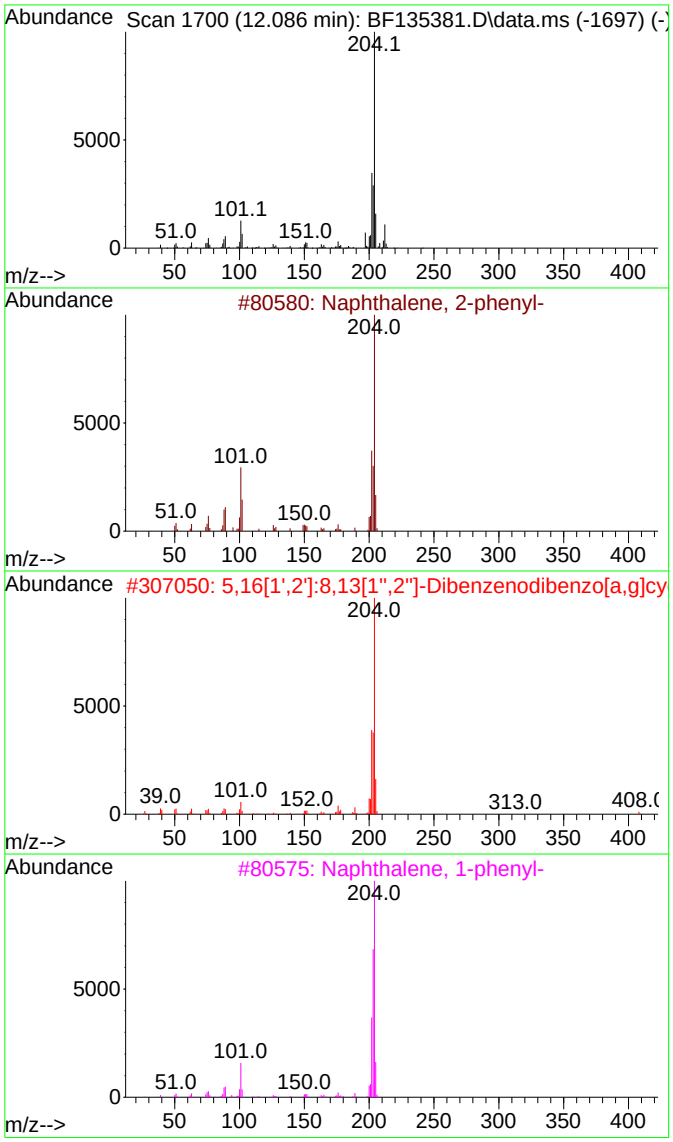
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

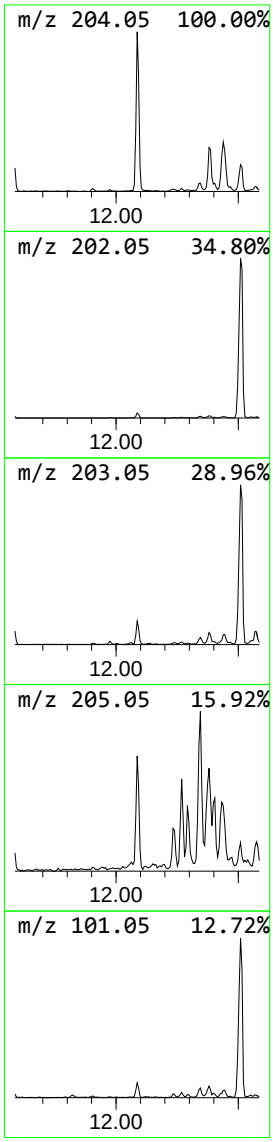
****

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.086	7.47 ng	365036	Phenanthrene-d10	11.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	50
5	9,10-ethenoanthracene, 9,10-dihy...	204	C16H12	1000400-47-8	50





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

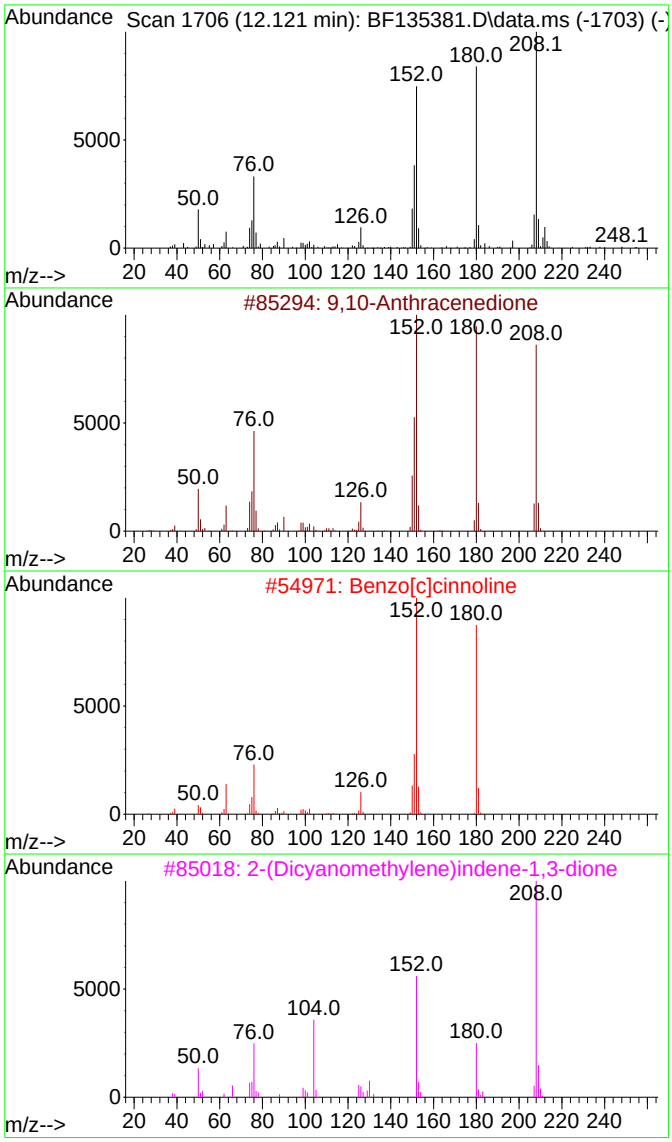
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

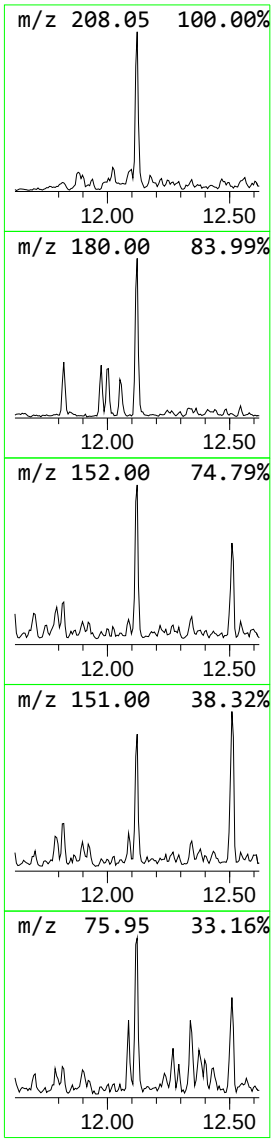
****

Peak Number 10 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.121	5.10 ng	249180	Phenanthrene-d10	11.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
3	2-(Dicyanomethylene)indene-1,3-d...	208	C12H4N2O2	016954-74-8	58
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	50
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	49





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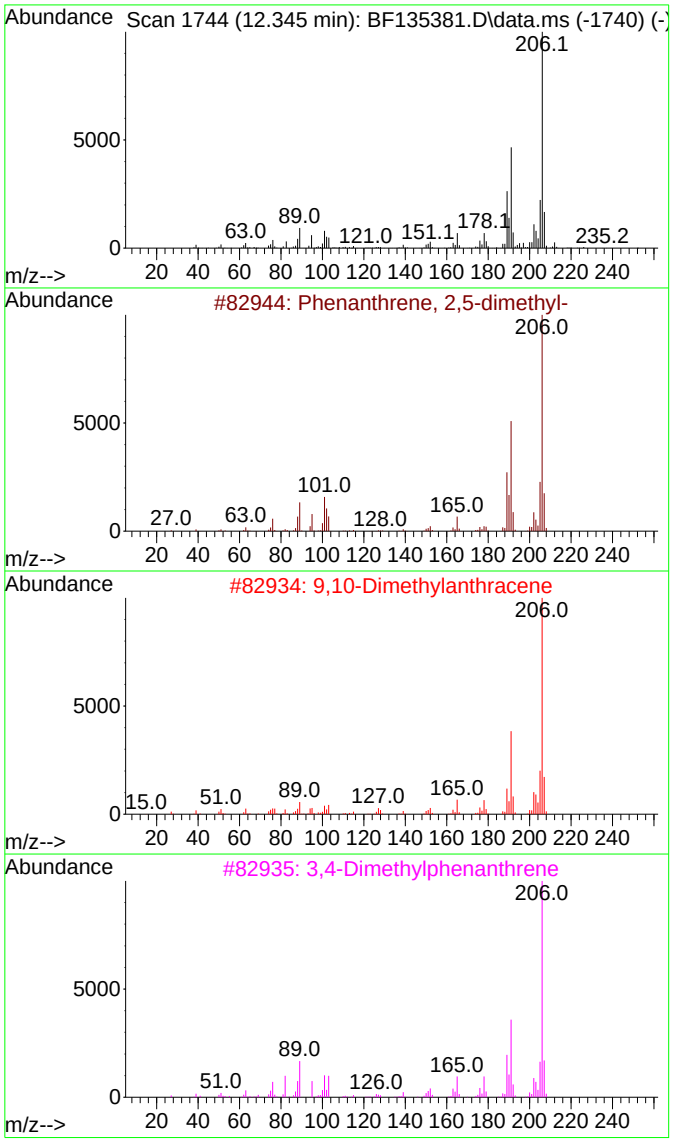
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

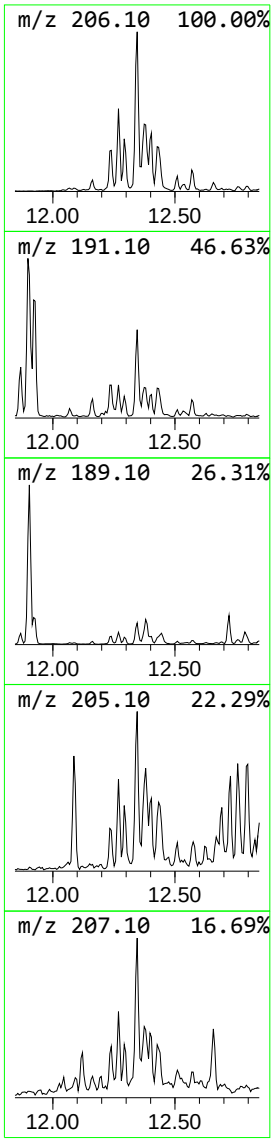
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.345	9.61 ng	469265	Phenanthrene-d10	11.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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Operator : CG\JU
Sample : 04501-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

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

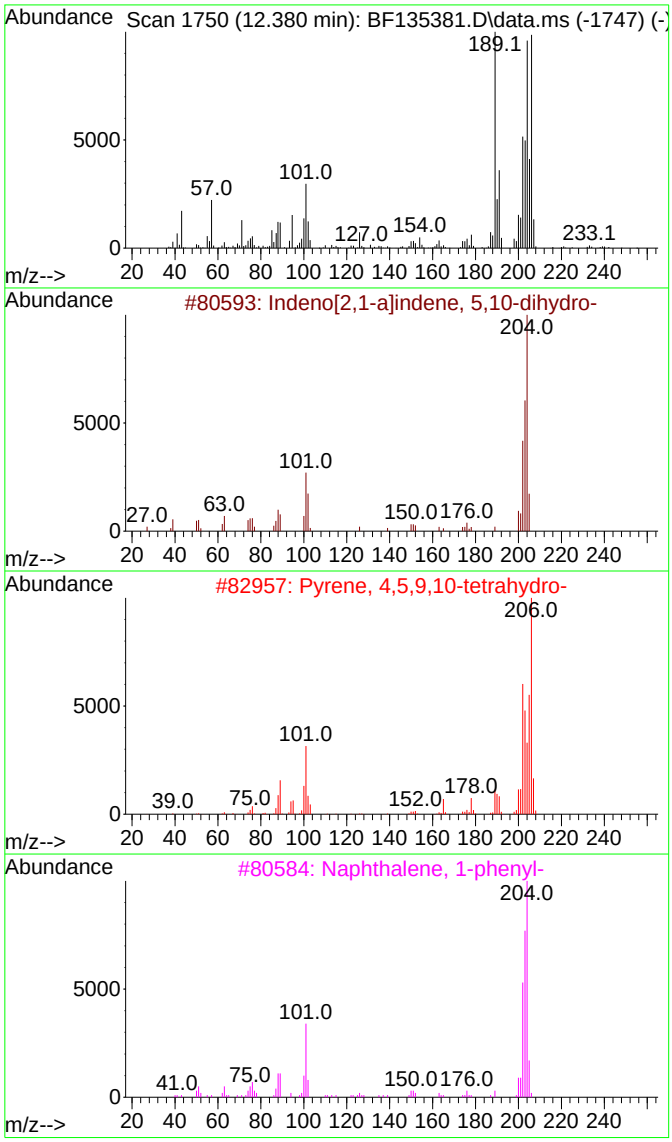
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

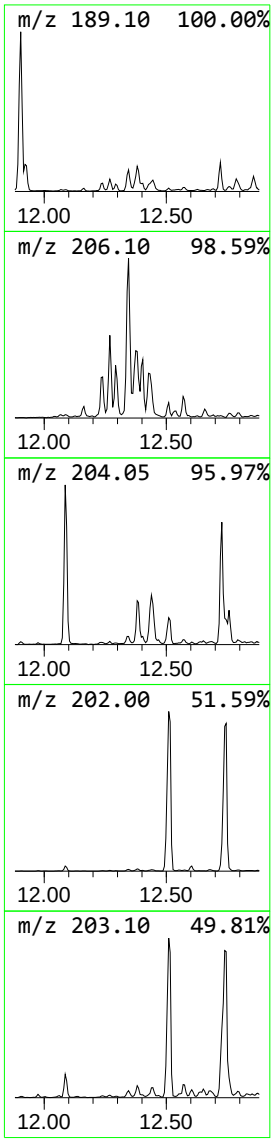
****

Peak Number 12 unknown12.380 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.380	7.01 ng	342445	Phenanthrene-d10	11.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	41
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	38
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	35
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35





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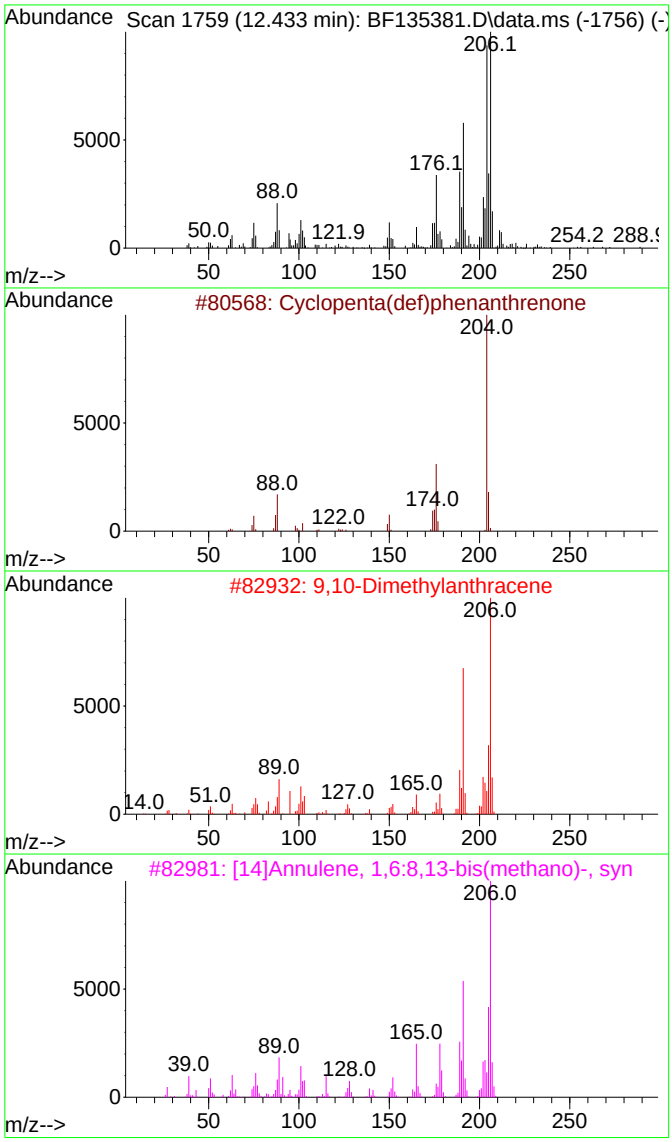
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

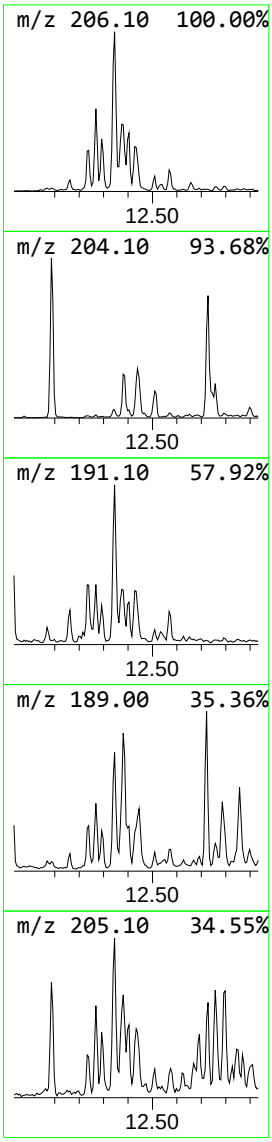
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.433	6.11 ng	298725	Phenanthrene-d10	11.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	83
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	64
3	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	55
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	55
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	50





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TIC Library : C:\Database\NIST20.L
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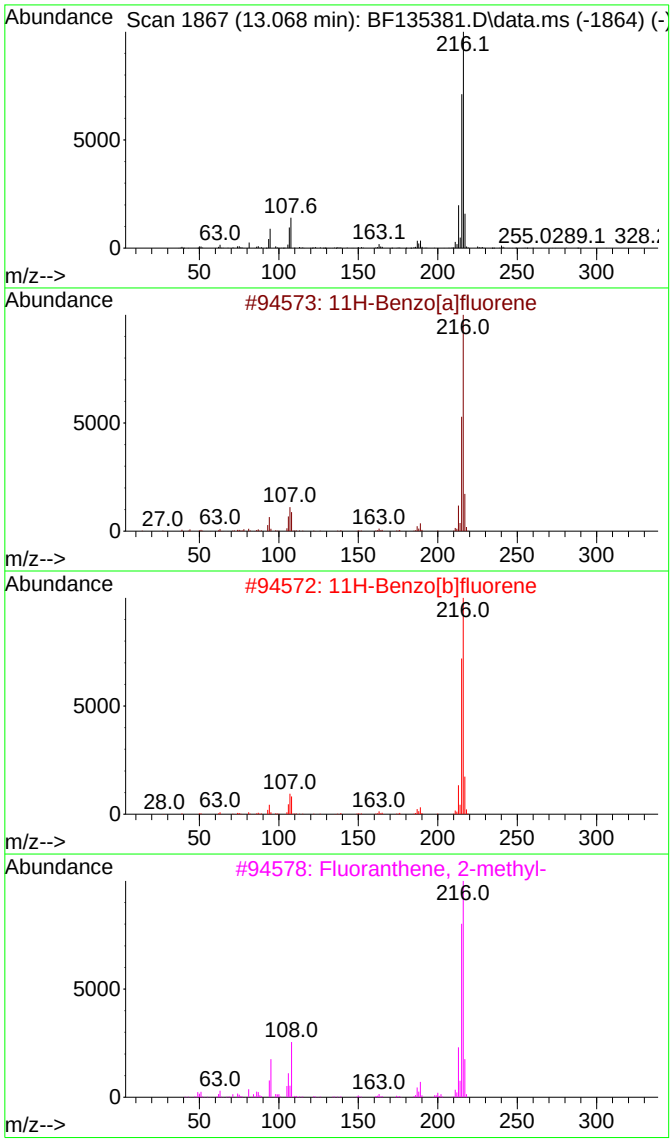
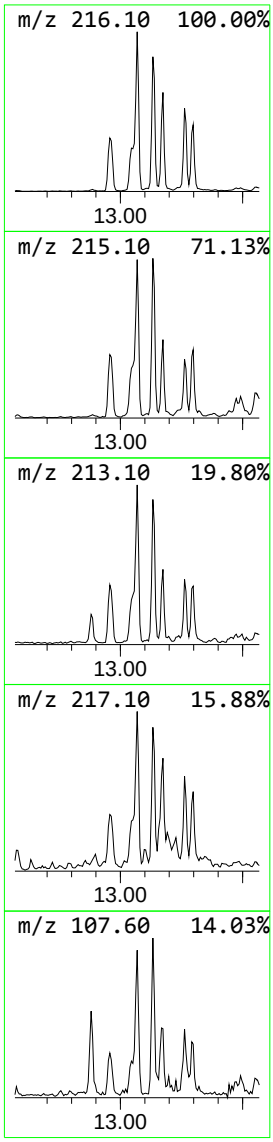
Peak Number 14 11H-Benzo[a]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.068	6.43 ng	693697	Chrysene-d12	13.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	72
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64





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TIC Library : C:\Database\NIST20.L
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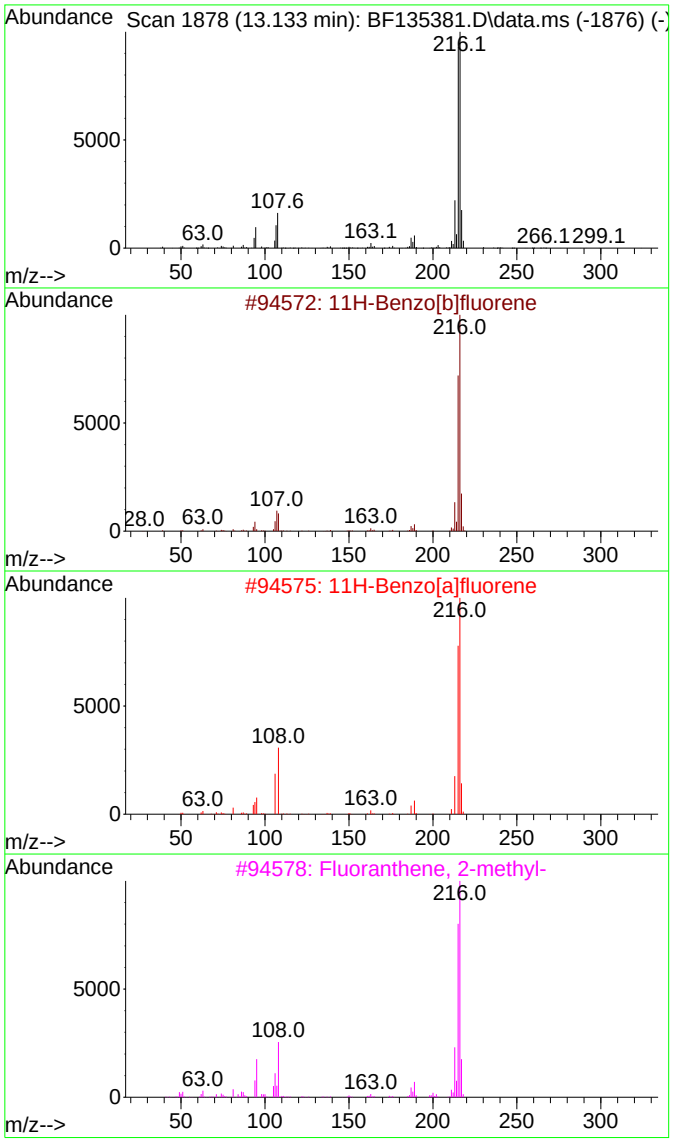
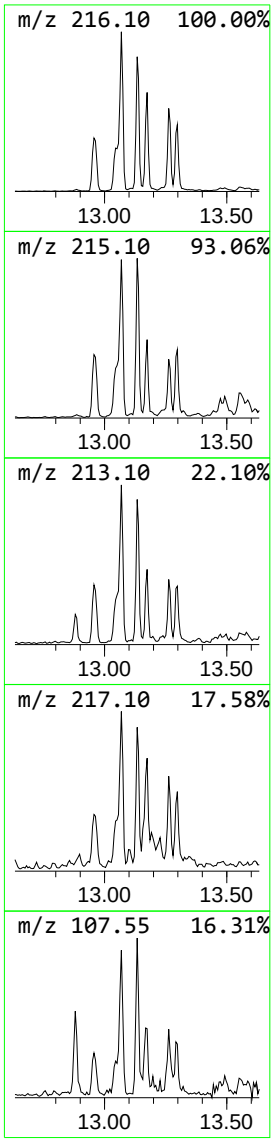
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.133	4.79 ng	515889	Chrysene-d12	13.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64





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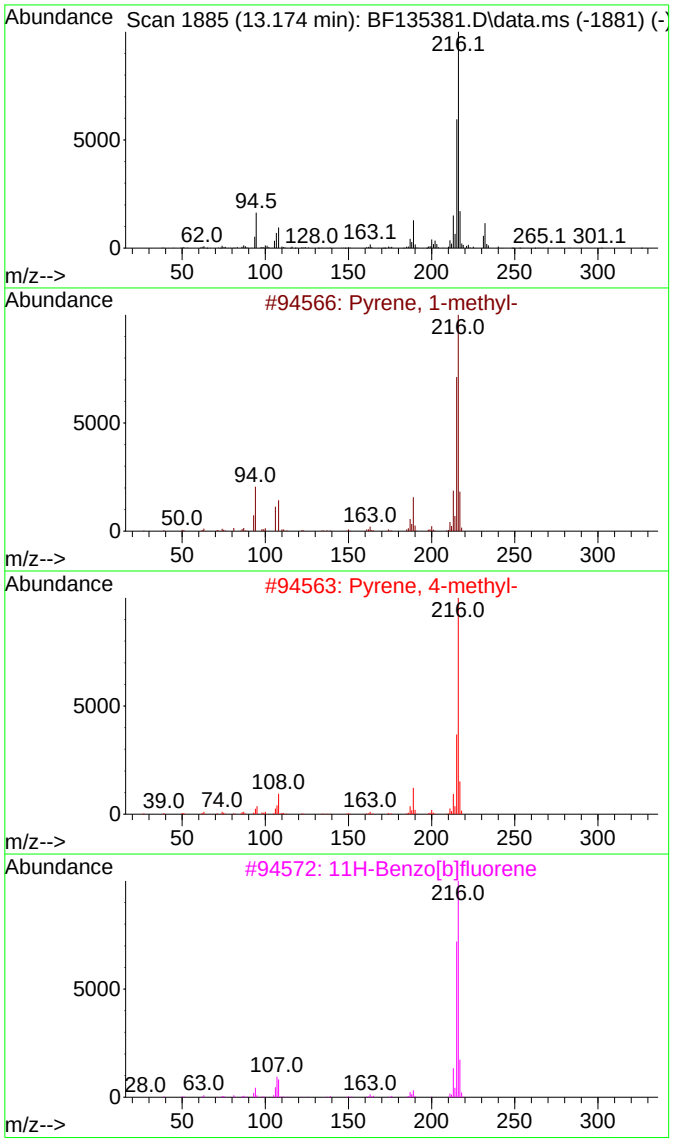
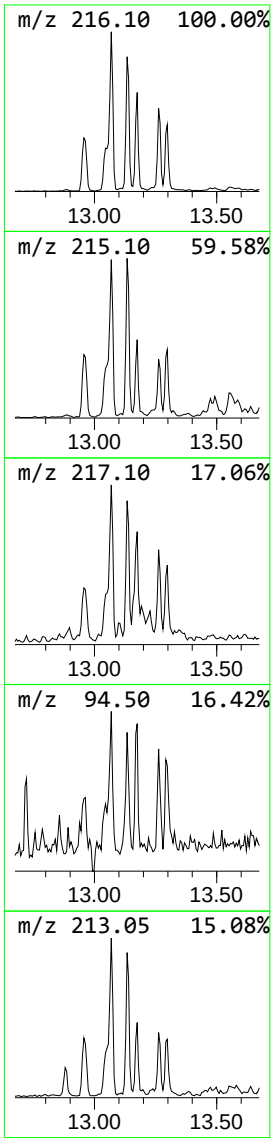
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.174	4.43 ng	477961	Chrysene-d12	13.945

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	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93





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Misc :
ALS Vial : 13 Sample Multiplier: 1

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

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

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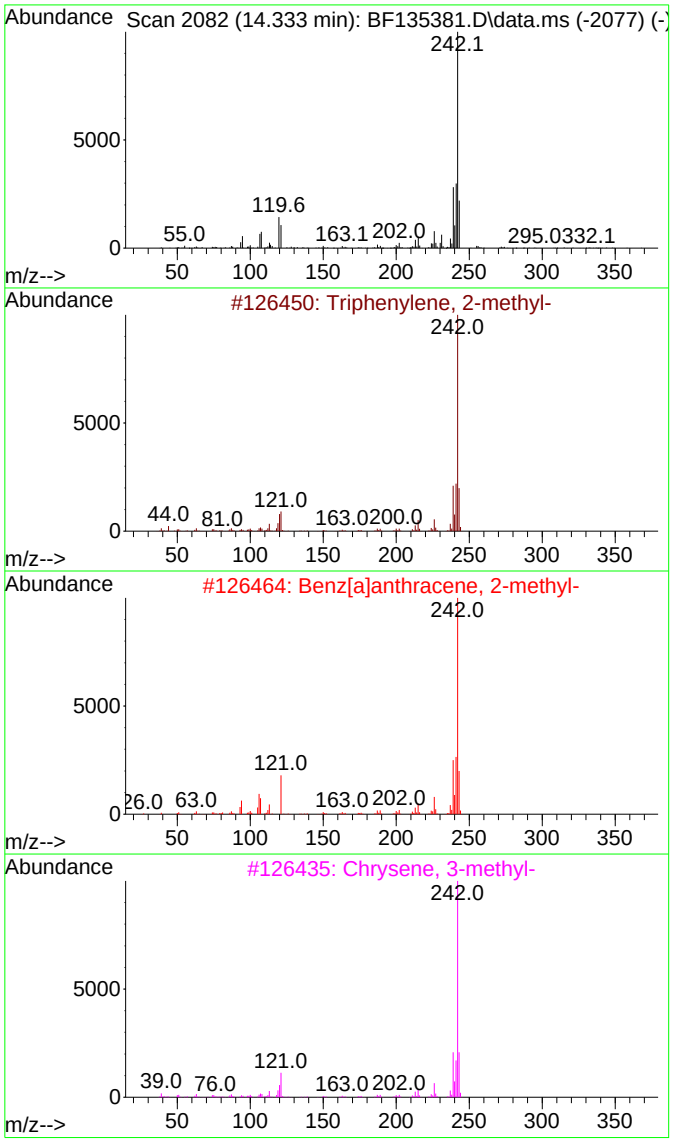
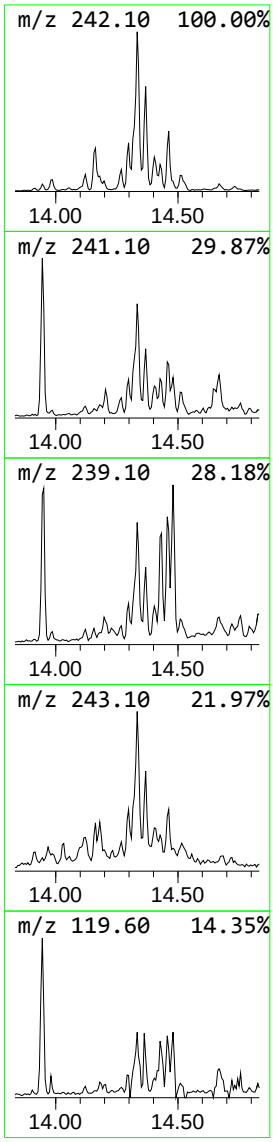
Peak Number 17 Triphenylene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.333	4.38 ng	472453	Chrysene-d12	13.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	96
2	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	95
3	Chrysene, 3-methyl-	242	C19H14	003351-31-3	94
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
5	Benz[a]anthracene, 3-methyl-	242	C19H14	002498-75-1	93





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Acq On : 21 Sep 2023 15:35
Operator : CG\JU
Sample : 04501-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

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

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

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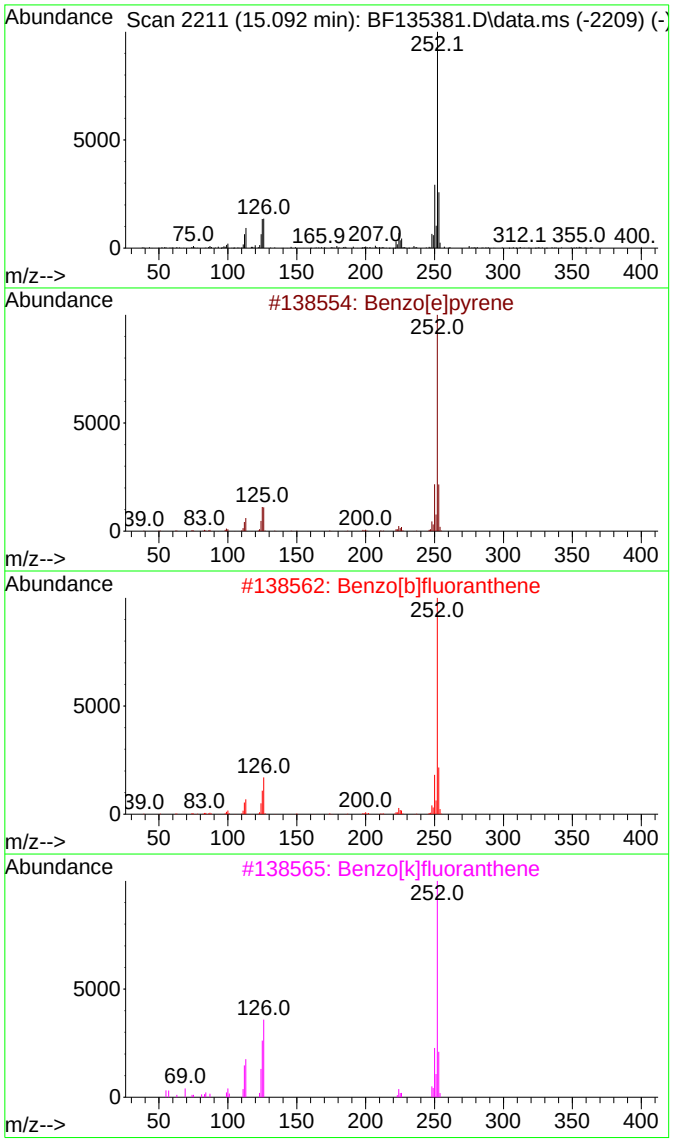
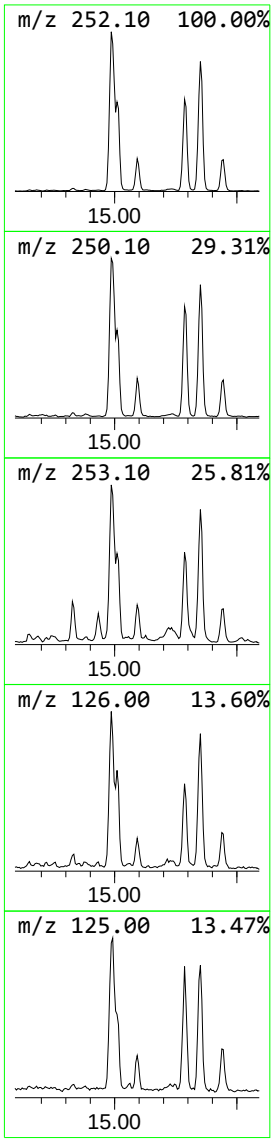
Peak Number 18 Benzo[e]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.092	5.07 ng	164638	Perylene-d12	15.409

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	91





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Acq On : 21 Sep 2023 15:35
Operator : CG\JU
Sample : 04501-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

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

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

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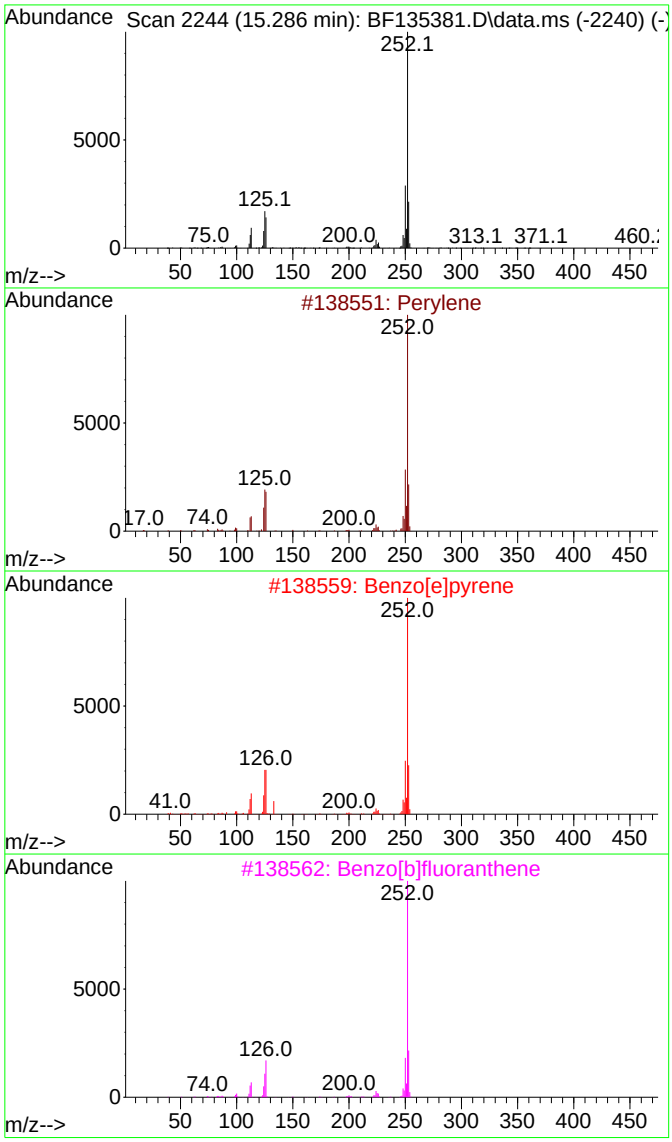
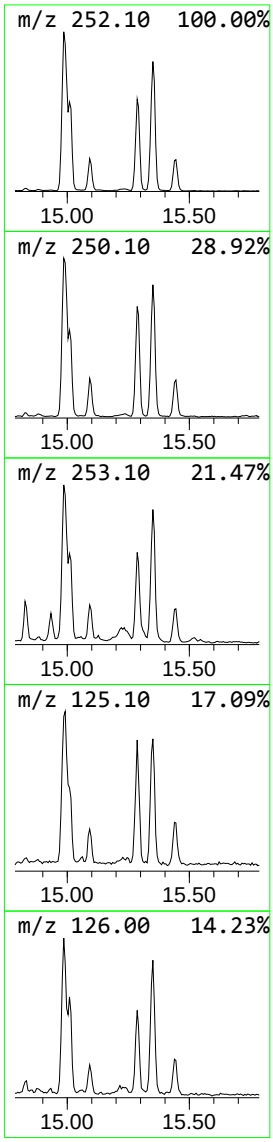
Peak Number 19 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.286	19.73 ng	640091	Perylene-d12	15.409

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	99
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	98
4	Benzo[a]pyrene	252	C20H12	000050-32-8	96
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135381.D
Acq On : 21 Sep 2023 15:35
Operator : CG\JU
Sample : 04501-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

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

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

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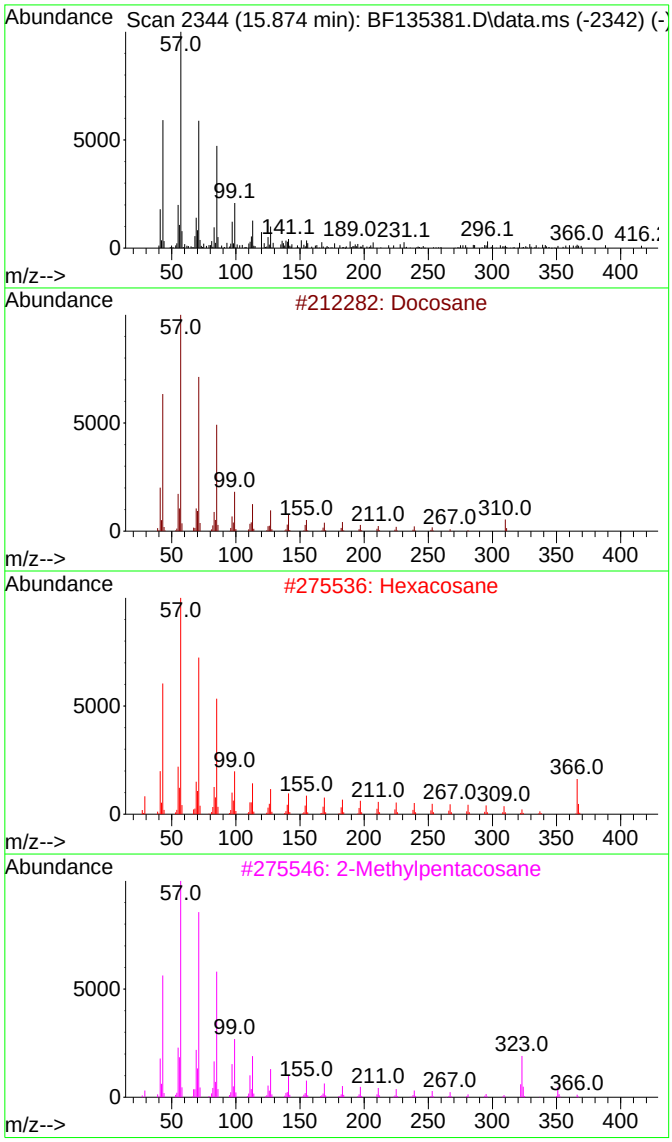
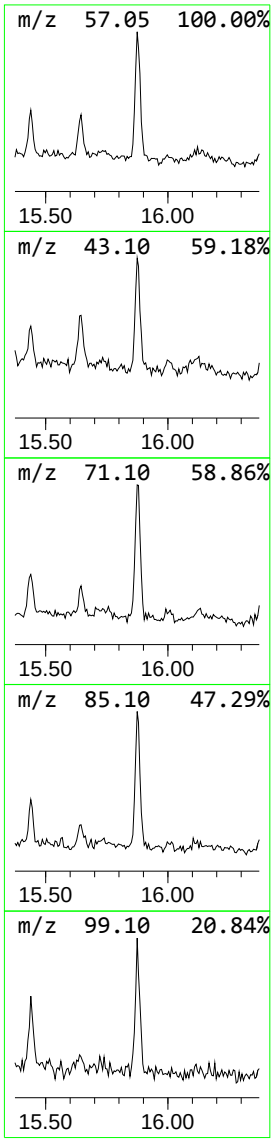
Peak Number 20 Docosane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.874	4.72 ng	153085	Perylene-d12	15.409

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	93
2	Hexacosane	366	C26H54	000630-01-3	91
3	2-Methylpentacosane	366	C26H54	000629-87-8	91
4	Hexacosane, 1-iodo-	492	C26H53I	1000406-32-1	91
5	Heneicosane	296	C21H44	000629-94-7	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135381.D
Acq On : 21 Sep 2023 15:35
Operator : CG\JU
Sample : 04501-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

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

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 2,...	9.451	5.4	ng	312161	3	9.792	1151330	20.0
9H-Fluorene, 1-...	10.892	4.8	ng	232331	4	11.286	977107	20.0
Dibenzothiophene	11.180	7.7	ng	377299	4	11.286	977107	20.0
1-Methyldibenzo...	11.616	4.4	ng	214763	4	11.286	977107	20.0
Phenanthrene, 2...	11.792	12.1	ng	589363	4	11.286	977107	20.0
Anthracene, 9-m...	11.821	18.6	ng	908772	4	11.286	977107	20.0
4H-Cyclopenta[d...	11.904	22.1	ng	1077980	4	11.286	977107	20.0
Anthracene, 2-m...	11.921	7.2	ng	351306	4	11.286	977107	20.0
Naphthalene, 2-...	12.086	7.5	ng	365036	4	11.286	977107	20.0
9,10-Anthracene...	12.121	5.1	ng	249180	4	11.286	977107	20.0
Phenanthrene, 2...	12.345	9.6	ng	469265	4	11.286	977107	20.0
unknown12.380	12.380	7.0	ng	342445	4	11.286	977107	20.0
Cyclopenta(def)...	12.433	6.1	ng	298725	4	11.286	977107	20.0
11H-Benzo[a]flu...	13.068	6.4	ng	693697	5	13.945	2156240	20.0
11H-Benzo[b]flu...	13.133	4.8	ng	515889	5	13.945	2156240	20.0
Pyrene, 1-methyl-	13.174	4.4	ng	477961	5	13.945	2156240	20.0
Triphenylene, 2...	14.333	4.4	ng	472453	5	13.945	2156240	20.0
Benzo[e]pyrene	15.092	5.1	ng	164638	6	15.409	648935	20.0
Perylene	15.286	19.7	ng	640091	6	15.409	648935	20.0
Docosane	15.874	4.7	ng	153085	6	15.409	648935	20.0