LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
Data File : BF135325.D
Acq On : 19 Sep 2023 00:59
Operator : CG\JU
Sample : 04423-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-09132023

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: BF135325.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.963	484	489	494	rBV2	25403	39041	1.71%	0.165%
2	5.381	557	560	568	rBV	265308	276738	12.15%	1.171%
3	6.398	729	733	747	rBV	243136	274681	12.06%	1.163%
4	6.757	790	794	802	rBV	645162	524399	23.02%	2.220%
5	7.316	886	889	900	rBV	181419	162523	7.13%	0.688%
6	8.033	1007	1011	1013	rBV	713631	585228	25.69%	2.477%
7	8.057	1013	1015	1018	rVB	404697	303681	13.33%	1.286%
8	8.751	1129	1133	1139	rBV	167368	155336	6.82%	0.658%
9	8.845	1145	1149	1158	rVB	133695	117126	5.14%	0.496%
10	9.110	1191	1194	1200	rBV	303393	236659	10.39%	1.002%
11	9.216	1209	1212	1219	rVB	41221	40219	1.77%	0.170%
12	9.310	1225	1228	1234	rVB	28607	31565	1.39%	0.134%
13	9.375	1235	1239	1244	rBV	54813	76175	3.34%	0.322%
14	9.451	1248	1252	1254	rVV	87931	86917	3.81%	0.368%
15	9.475	1254	1256	1261	rVB	58176	51400	2.26%	0.218%
16	9.569	1269	1272	1277	rVB	37103	44771	1.96%	0.190%
17	9.651	1283	1286	1289	rVB	63858	50633	2.22%	0.214%
18	9.792	1303	1310	1313	rBV	625982	545768	23.95%	2.310%
19	9.822	1313	1315	1319	rVB	417432	325027	14.27%	1.376%
20	9.945	1332	1336	1339	rBV2	23028	26088	1.14%	0.110%
21	9.998	1340	1345	1349	rVV	275654	237488	10.42%	1.005%
22	10.033	1349	1351	1356	rVB	32597	28986	1.27%	0.123%
23	10.110	1360	1364	1367	rBV	32648	34435	1.51%	0.146%
24	10.198	1375	1379	1381	rBV2	21031	25298	1.11%	0.107%
25	10.292	1389	1395	1398	rBV4	15426	23238	1.02%	0.098%
26	10.339	1400	1403	1409	rVB	438299	368782	16.19%	1.561%
27	10.427	1416	1418	1420	rVB	50640	38850	1.71%	0.164%
28	10.498	1428	1430	1434	rVB	75553	62737	2.75%	0.266%
29	10.580	1441	1444	1448	rBV	192597	194792	8.55%	0.825%
30	10.627	1448	1452	1456	rVB2	21146	27368	1.20%	0.116%
31	10.710	1462	1466	1471	rVB2	28447	39010	1.71%	0.165%
32	10.774	1473	1477	1481	rBV3	20491	25082	1.10%	0.106%
33	10.892	1490	1497	1499	rBV2	79977	94381	4.14%	0.400%
34	10.916	1499	1501	1505	rVV2	37904	45532	2.00%	0.193%
35	10.974	1508	1511	1514	rVB	39344	34924	1.53%	0.148%
36	11.092	1528	1531	1534	rVB2	29599	28950	1.27%	0.123%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
Data File : BF135325.D
Acq On : 19 Sep 2023 00:59
Operator : CG\JU
Sample : 04423-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-09132023

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	11.133	1534	1538	1543	rBV4	38661	60222	2.64%	0.255%
38	11.180	1543	1546	1552	rVB	152509	140031	6.15%	0.593%
39	11.286	1560	1564	1565	rBV	547642	518148	22.74%	2.193%
40	11.310	1565	1568	1571	rVV	2086271	1769644	77.67%	7.491%
41	11.357	1571	1576	1580	rVV	578916	547342	24.02%	2.317%
42	11.398	1580	1583	1586	rVV2	37503	39750	1.74%	0.168%
43	11.521	1599	1604	1609	rBV	175219	177939	7.81%	0.753%
44	11.580	1612	1614	1618	rVV3	59495	55715	2.45%	0.236%
45	11.616	1618	1620	1625	rVB2	39893	43792	1.92%	0.185%
46	11.698	1632	1634	1639	rVB	33187	35594	1.56%	0.151%
47	11.786	1644	1649	1652	rBV	225794	222546	9.77%	0.942%
48	11.816	1652	1654	1658	rVV	338857	277261	12.17%	1.174%
49	11.863	1659	1662	1665	rVV	117014	110567	4.85%	0.468%
50	11.898	1665	1668	1671	rVV	423275	452626	19.87%	1.916%
51	11.921	1671	1672	1677	rVB	163746	108824	4.78%	0.461%
52	11.968	1678	1680	1682	rBV	26814	25662	1.13%	0.109%
53	11.998	1682	1685	1687	rVB2	31003	30079	1.32%	0.127%
54	12.086	1697	1700	1703	rBV	156223	129525	5.68%	0.548%
55	12.116	1703	1705	1709	rVB2	56391	46270	2.03%	0.196%
56	12.233	1720	1725	1728	rBV2	50142	59047	2.59%	0.250%
57	12.268	1728	1731	1733	rVV	56395	48919	2.15%	0.207%
58	12.292	1733	1735	1739	rVB	47541	38597	1.69%	0.163%
59	12.339	1740	1743	1746	rBV	127530	132690	5.82%	0.562%
60	12.380	1746	1750	1755	rVB4	106276	156236	6.86%	0.661%
61	12.427	1755	1758	1762	rBV3	81732	101793	4.47%	0.431%
62	12.510	1767	1772	1775	rBV	2103021	2063963	90.59%	8.737%
63	12.568	1780	1782	1784	rVB	49569	35006	1.54%	0.148%
64	12.657	1793	1797	1800	rVB	77704	77765	3.41%	0.329%
65	12.686	1800	1802	1804	rVB3	29849	24000	1.05%	0.102%
66	12.739	1804	1811	1816	rBV	1803454	2278448	100.00%	9.645%
67	12.786	1816	1819	1823	rVB2	90436	106868	4.69%	0.452%
68	12.857	1827	1831	1832	rBV	117115	114379	5.02%	0.484%
69	12.874	1832	1834	1837	rBV	206882	184110	8.08%	0.779%
70	12.951	1842	1847	1851	rBV2	134270	227889	10.00%	0.965%
71	12.986	1851	1853	1855	rVB	49566	33751	1.48%	0.143%
72	13.039	1859	1862	1864	rBV4	104924	134195	5.89%	0.568%
73	13.063	1864	1866	1870	rVB	336098	309635	13.59%	1.311%
74	13.133	1870	1878	1880	rBV	323682	369895	16.23%	1.566%
75	13.168	1880	1884	1886	rBV2	217390	225232	9.89%	0.953%
76	13.192	1886	1888	1891	rVB	61539	62542	2.74%	0.265%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
Data File : BF135325.D
Acq On : 19 Sep 2023 00:59
Operator : CG\JU
Sample : 04423-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-09132023

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	13.263	1897	1900	1902	rVB	101808	82810	3.63%	0.351%
78	13.292	1902	1905	1908	rBV	124059	112080	4.92%	0.474%
79	13.468	1931	1935	1936	rBV3	44753	58497	2.57%	0.248%
80	13.551	1947	1949	1951	rBV2	61465	60464	2.65%	0.256%
81	13.580	1951	1954	1958	rVB	93175	109946	4.83%	0.465%
82	13.686	1970	1972	1975	rBV	133813	121738	5.34%	0.515%
83	13.715	1975	1977	1979	rVV	163630	132195	5.80%	0.560%
84	13.739	1979	1981	1983	rVV	138743	130958	5.75%	0.554%
85	13.792	1987	1990	1993	rVB	111094	103775	4.55%	0.439%
86	13.933	2008	2014	2018	rBV2	1130534	1723089	75.63%	7.294%
87	13.968	2018	2020	2028	rVB	869936	780248	34.24%	3.303%
88	14.045	2031	2033	2036	rVB	202176	169424	7.44%	0.717%
89	14.139	2047	2049	2051	rBV2	51136	36394	1.60%	0.154%
90	14.333	2079	2082	2085	rVB	173671	163421	7.17%	0.692%
91	14.368	2085	2088	2090	rVB	68808	61144	2.68%	0.259%
92	14.457	2101	2103	2105	rBV	80321	62807	2.76%	0.266%
93	14.986	2189	2193	2196	rBV	509406	762696	33.47%	3.229%
94	15.092	2208	2211	2214	rVB	97470	92521	4.06%	0.392%
95	15.286	2240	2244	2250	rVB	282931	366774	16.10%	1.553%
96	15.345	2250	2254	2260	rVV	464515	569787	25.01%	2.412%
97	15.409	2261	2265	2268	rVV	303754	406473	17.84%	1.721%
98	15.439	2268	2270	2279	rVB2	141326	187187	8.22%	0.792%
99	16.886	2512	2516	2526	rVB2	141208	274611	12.05%	1.162%
100	17.333	2587	2592	2600	rVB	106104	213408	9.37%	0.903%

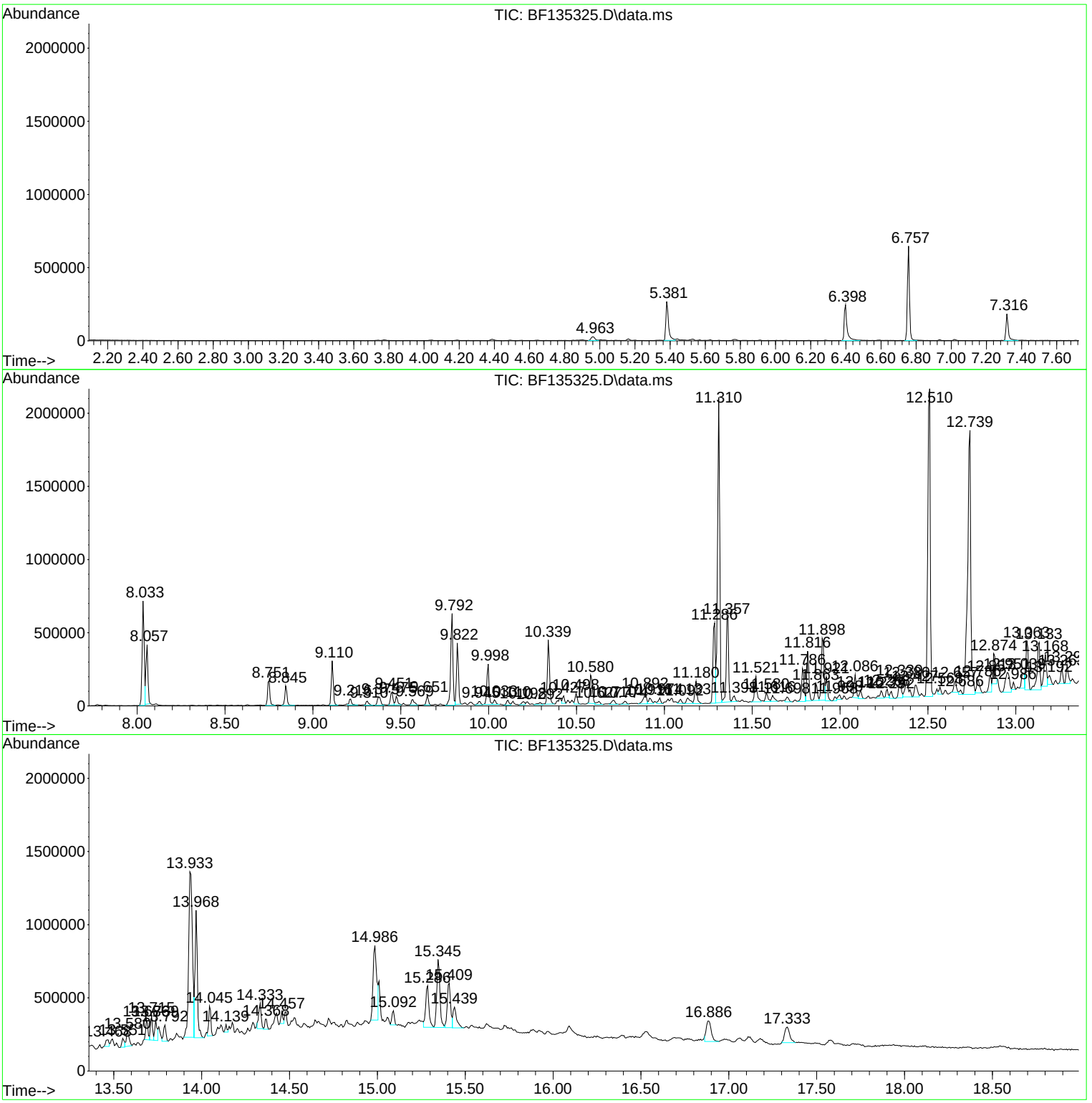
Sum of corrected areas: 23622772

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
Data File : BF135325.D
Acq On : 19 Sep 2023 00:59
Operator : CG\JU
Sample : 04423-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-09132023

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\BF091823\
Data File : BF135325.D
Acq On : 19 Sep 2023 00:59
Operator : CG\JU
Sample : 04423-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-09132023

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

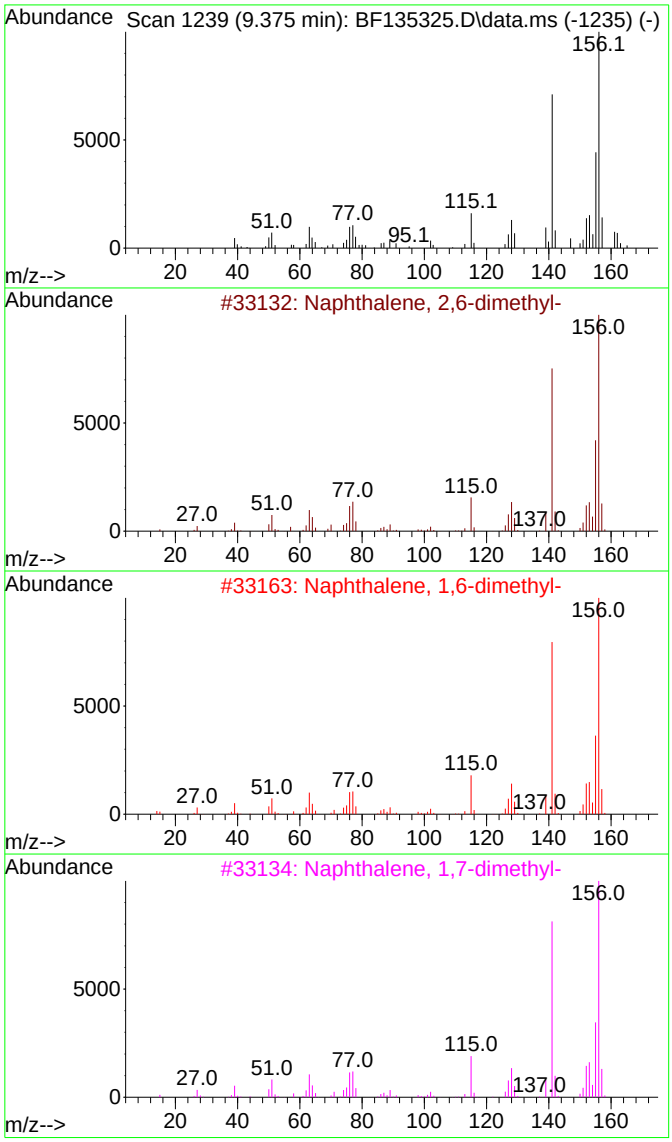
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

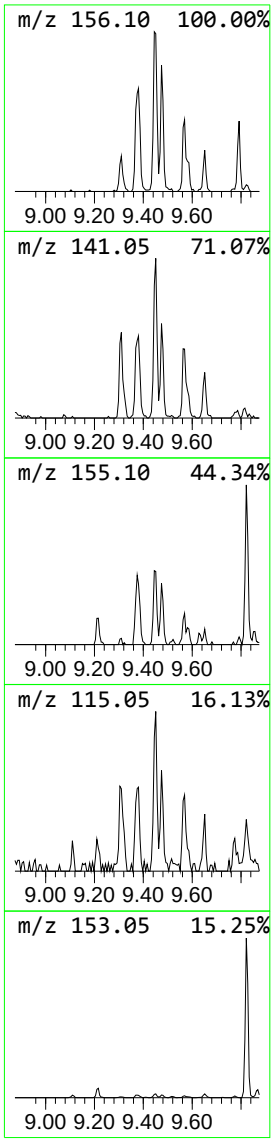
****

Peak Number 1 Naphthalene, 2,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.375	2.79 ng	76175	Acenaphthene-d10	9.792

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
Data File : BF135325.D
Acq On : 19 Sep 2023 00:59
Operator : CG\JU
Sample : 04423-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-09132023

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

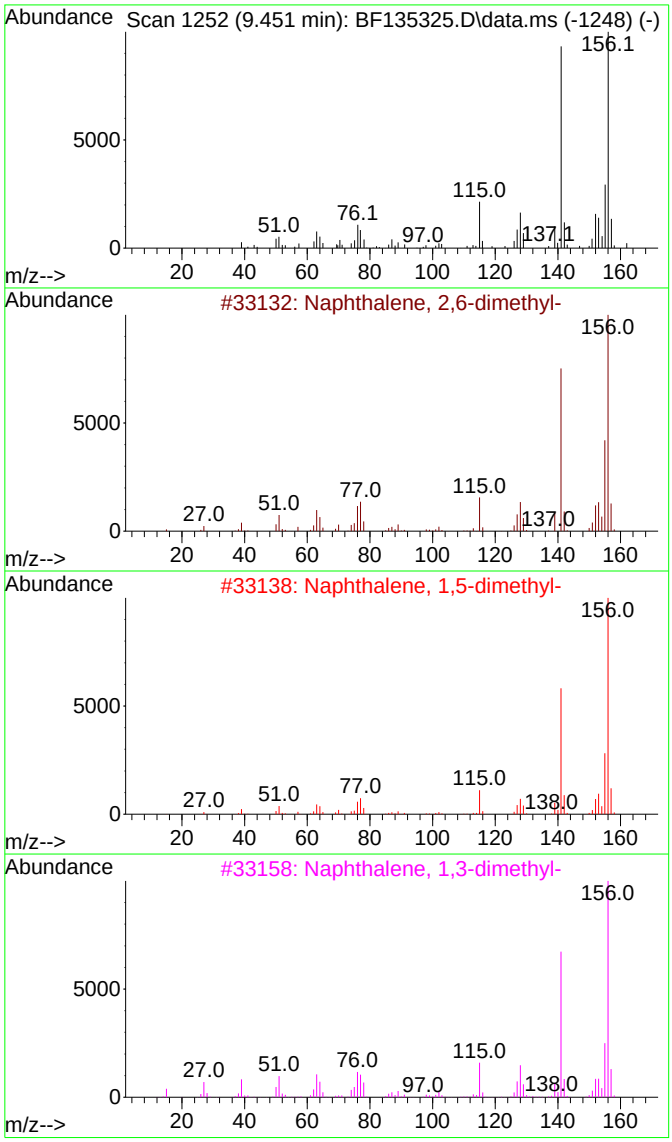
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

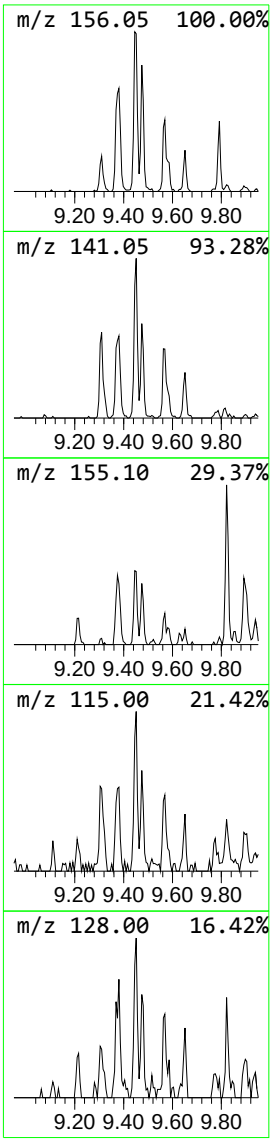
****

Peak Number 2 Naphthalene, 1,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.451	3.19 ng	86917	Acenaphthene-d10	9.792

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
Data File : BF135325.D
Acq On : 19 Sep 2023 00:59
Operator : CG\JU
Sample : 04423-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-09132023

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

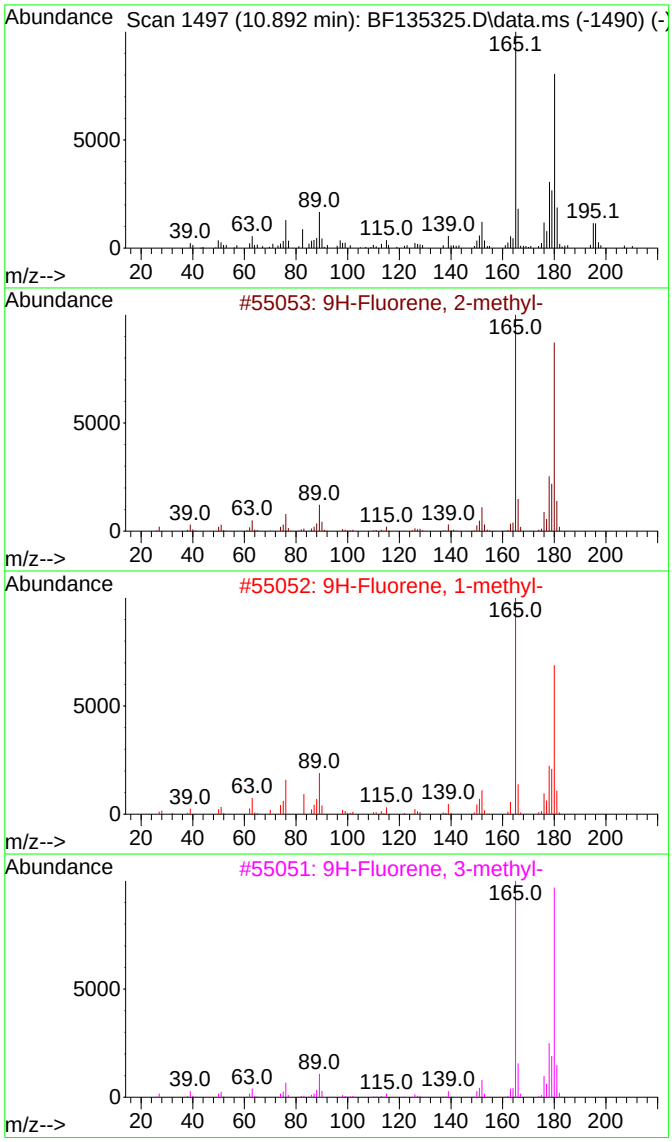
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

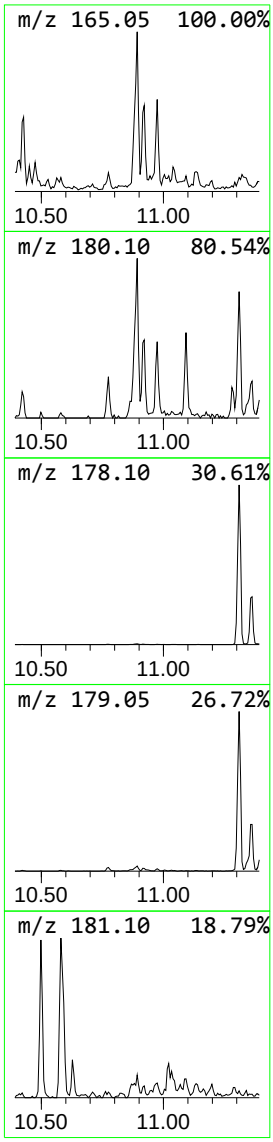
****

Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.892	3.64 ng	94381	Phenanthrene-d10	11.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	94
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	90
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
Data File : BF135325.D
Acq On : 19 Sep 2023 00:59
Operator : CG\JU
Sample : 04423-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-09132023

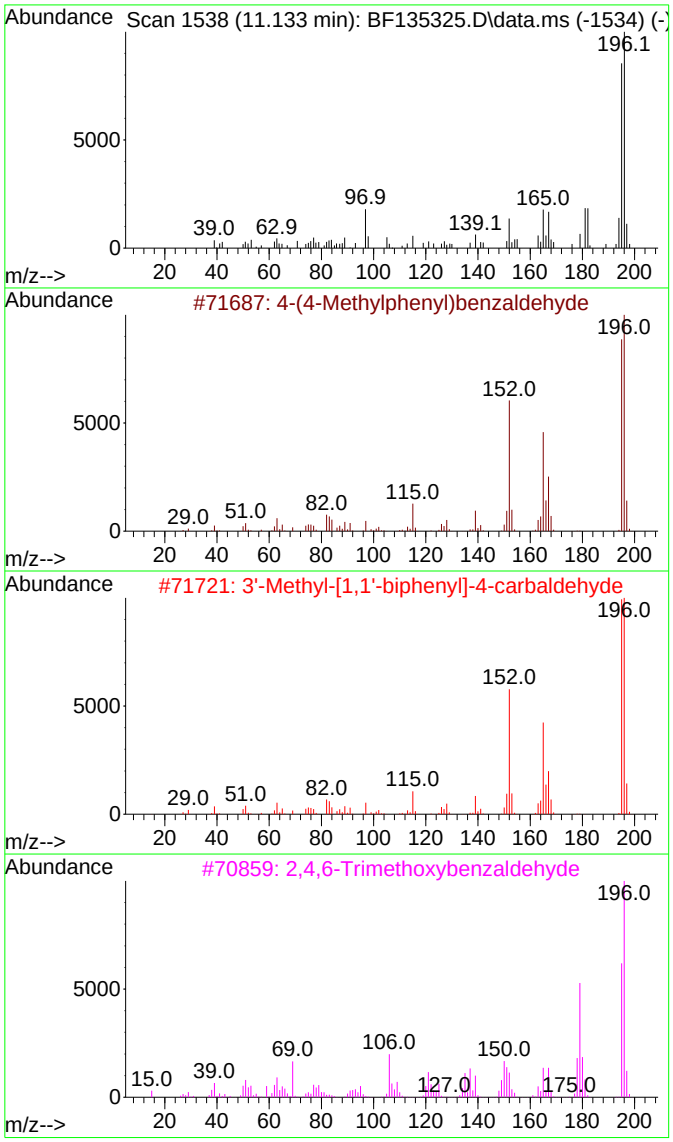
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

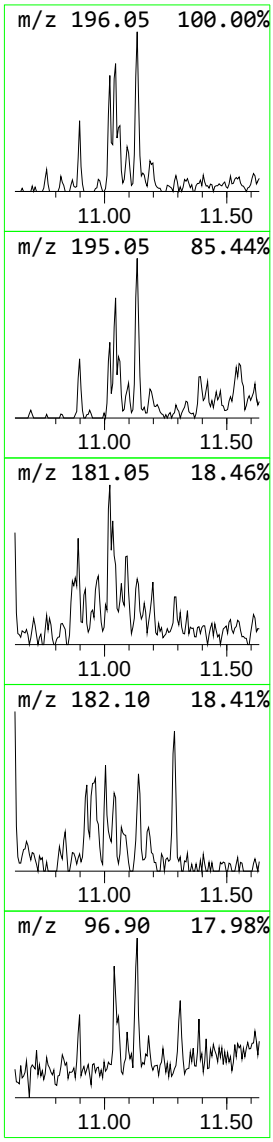
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 4-(4-Methylphenyl)benzaldehyde Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.133	2.32 ng	60222	Phenanthrene-d10	11.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	91
2	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	81
3	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	72
4	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	58
5	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
Data File : BF135325.D
Acq On : 19 Sep 2023 00:59
Operator : CG\JU
Sample : 04423-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-09132023

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

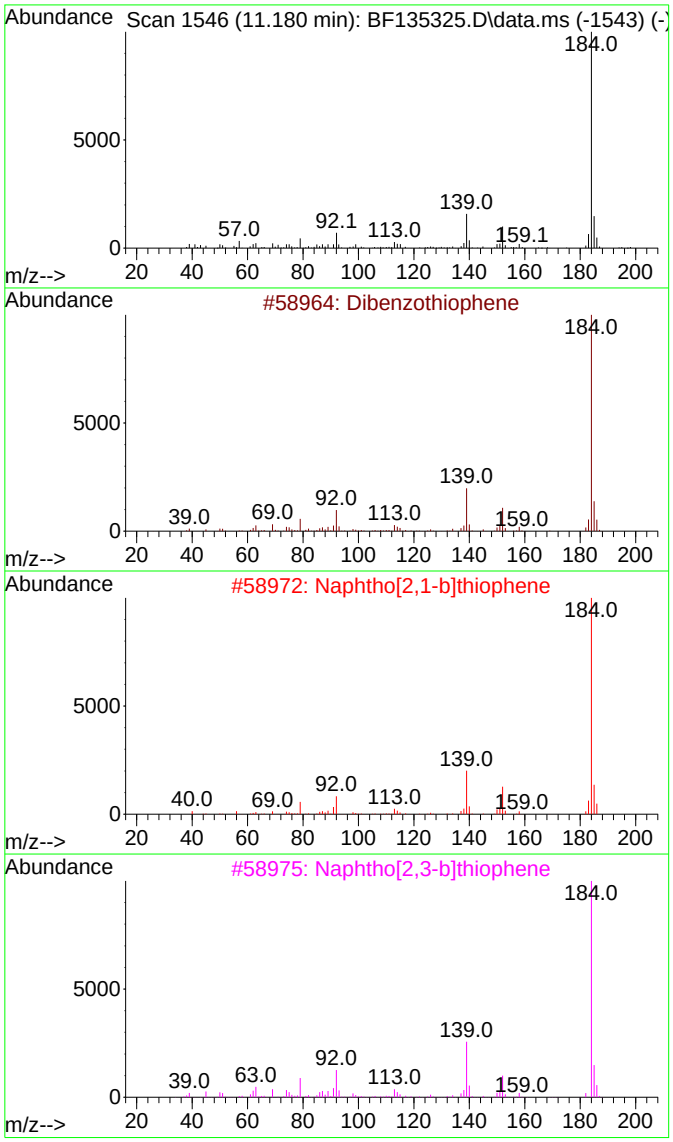
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

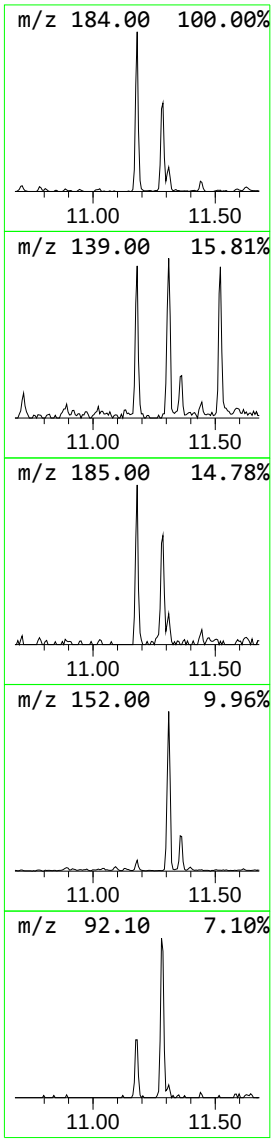
****

Peak Number 5 Dibenzothiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.180	5.41 ng	140031	Phenanthrene-d10	11.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
Data File : BF135325.D
Acq On : 19 Sep 2023 00:59
Operator : CG\JU
Sample : 04423-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-09132023

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

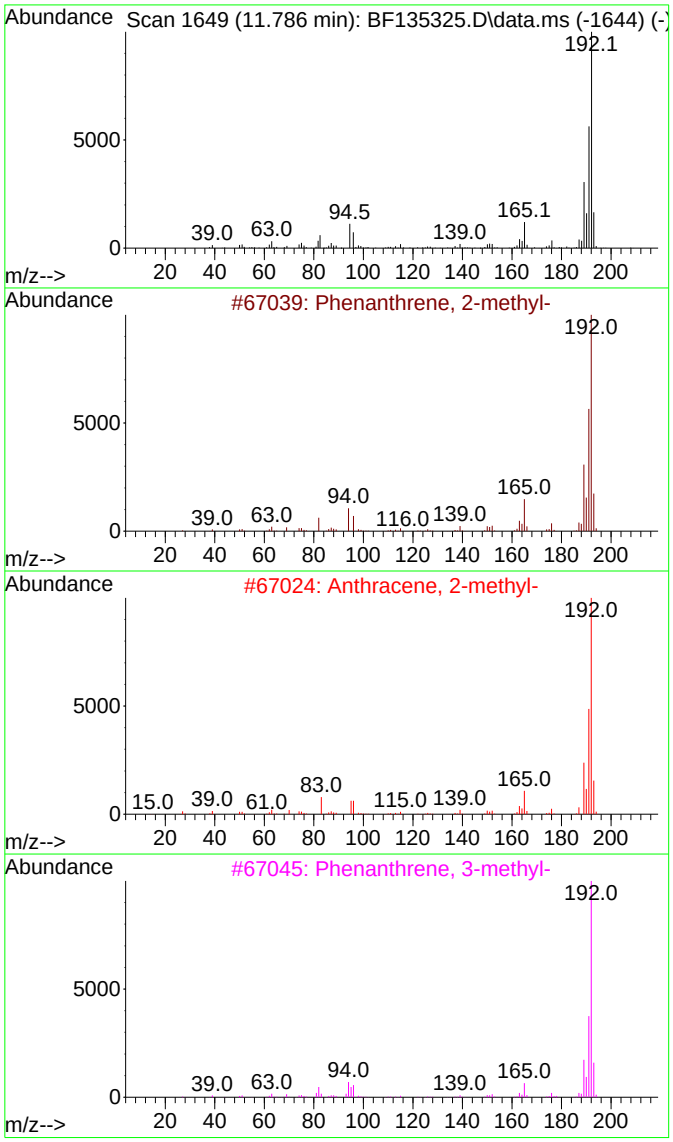
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

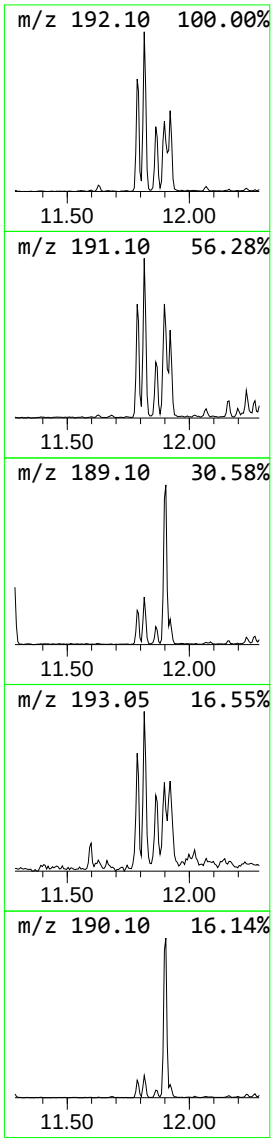
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.786	8.59 ng	222546	Phenanthrene-d10	11.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
Data File : BF135325.D
Acq On : 19 Sep 2023 00:59
Operator : CG\JU
Sample : 04423-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-09132023

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

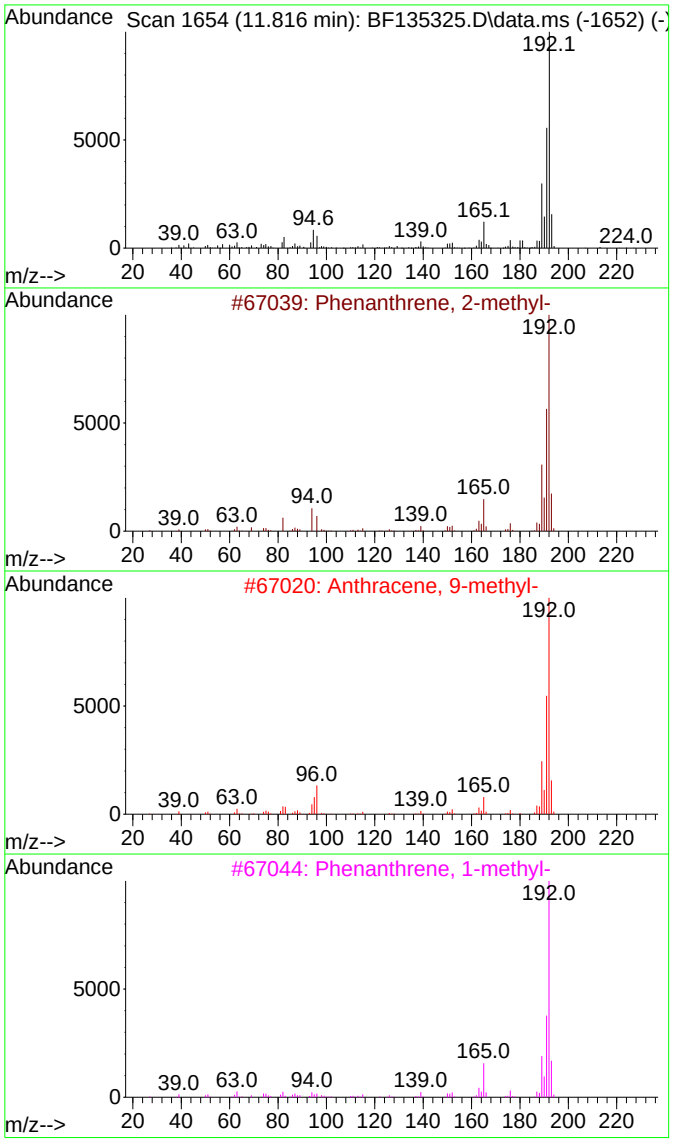
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

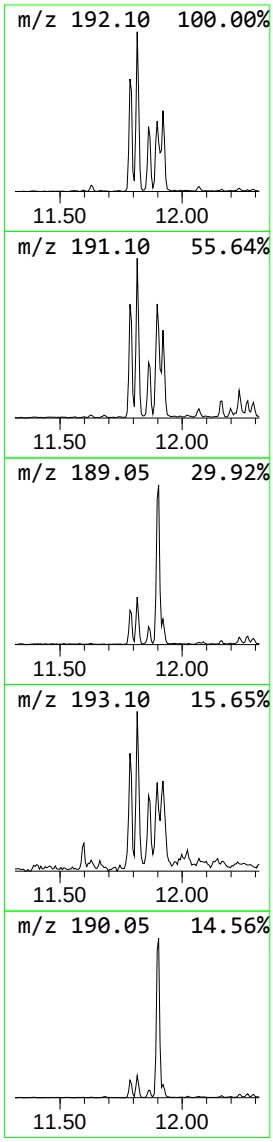
****

Peak Number 7 Anthracene, 9-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.816	10.70 ng	277261	Phenanthrene-d10	11.286

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	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	92





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
Data File : BF135325.D
Acq On : 19 Sep 2023 00:59
Operator : CG\JU
Sample : 04423-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-09132023

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

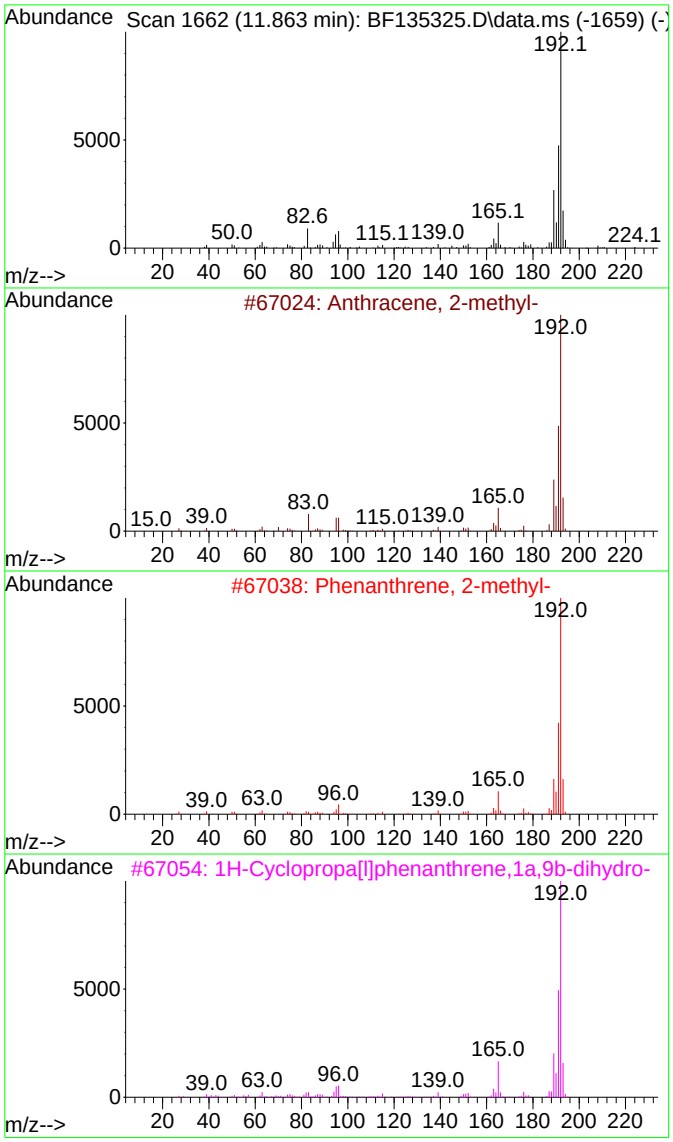
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

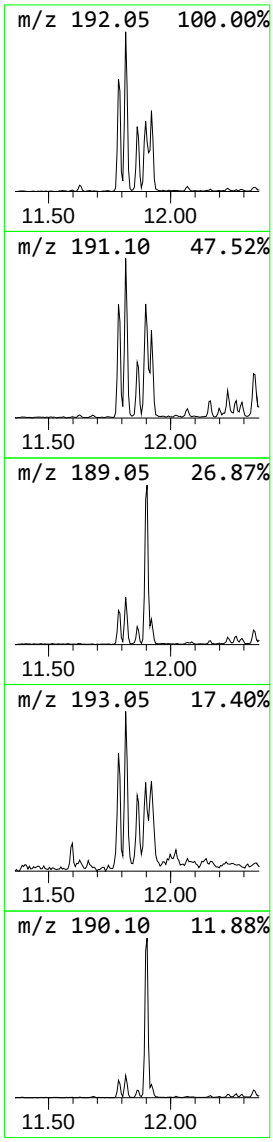
****

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.863	4.27 ng	110567	Phenanthrene-d10	11.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
Data File : BF135325.D
Acq On : 19 Sep 2023 00:59
Operator : CG\JU
Sample : 04423-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-09132023

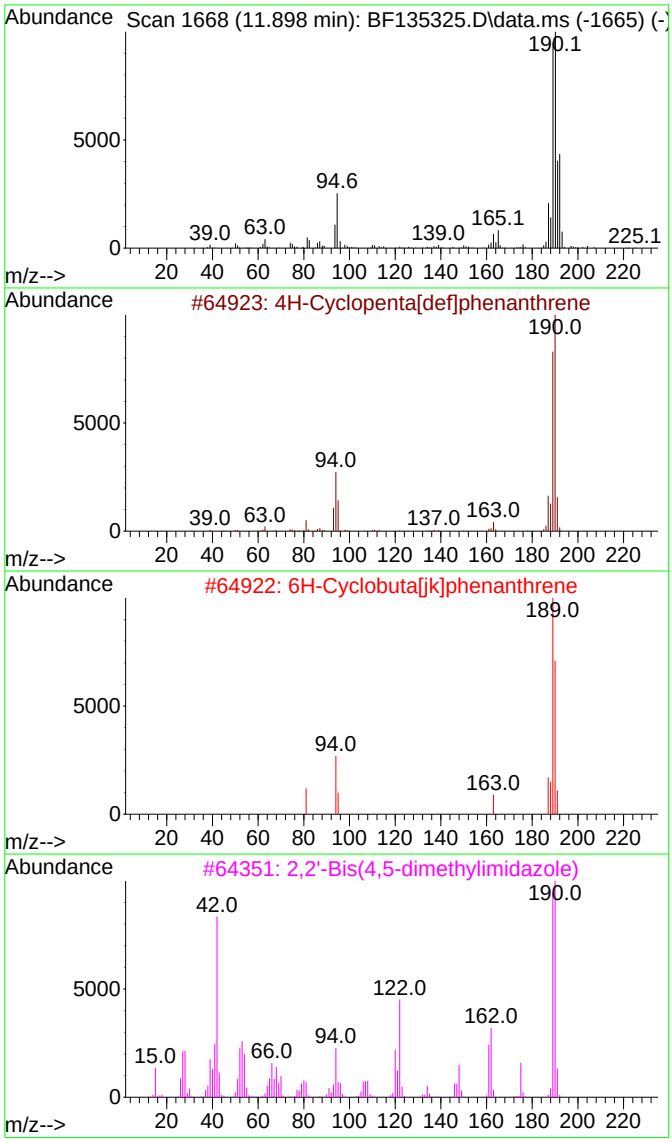
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

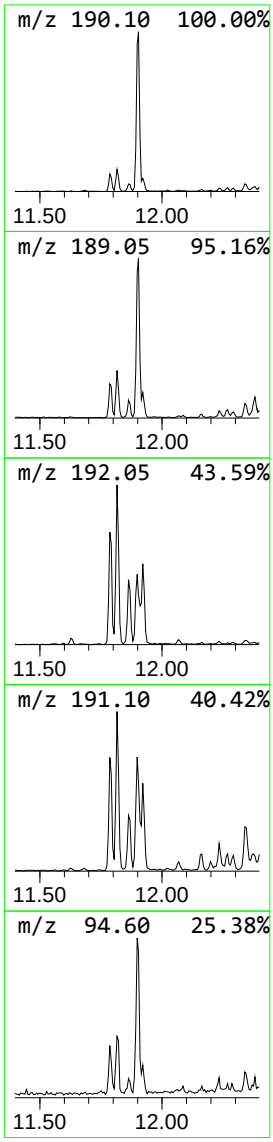
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.898	17.47 ng	452626	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	53
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
4	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	35
5	2,4(1H,3H)-Pyrimidinedione, 5-br...	190	C4H3BrN2O2	000051-20-7	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
Data File : BF135325.D
Acq On : 19 Sep 2023 00:59
Operator : CG\JU
Sample : 04423-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-09132023

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

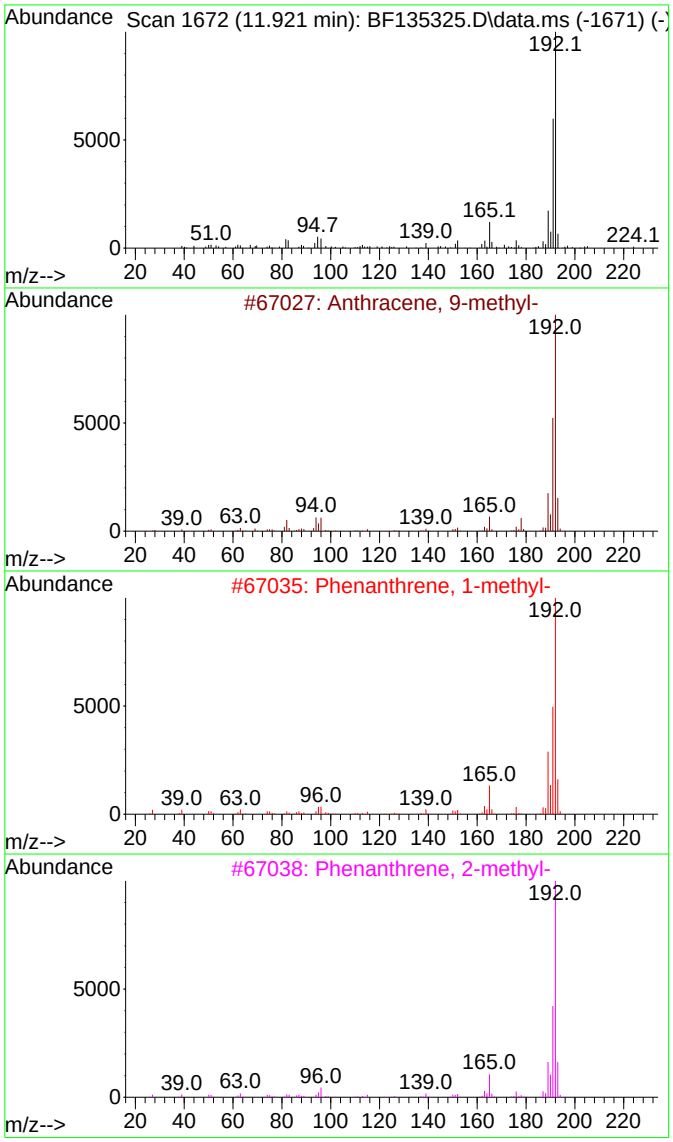
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

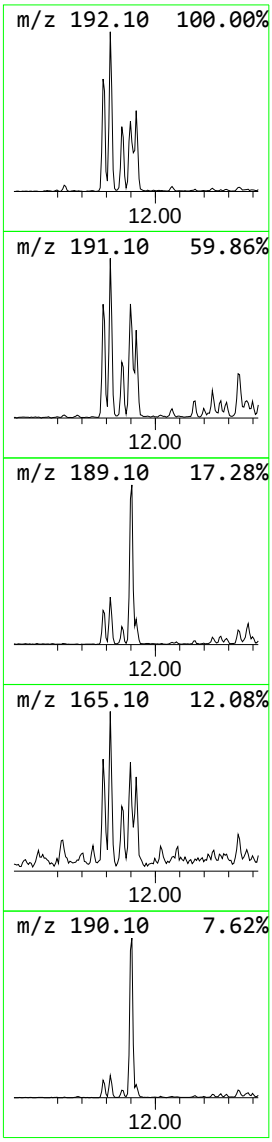
****

Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.921	4.20 ng	108824	Phenanthrene-d10	11.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
Data File : BF135325.D
Acq On : 19 Sep 2023 00:59
Operator : CG\JU
Sample : 04423-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-09132023

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

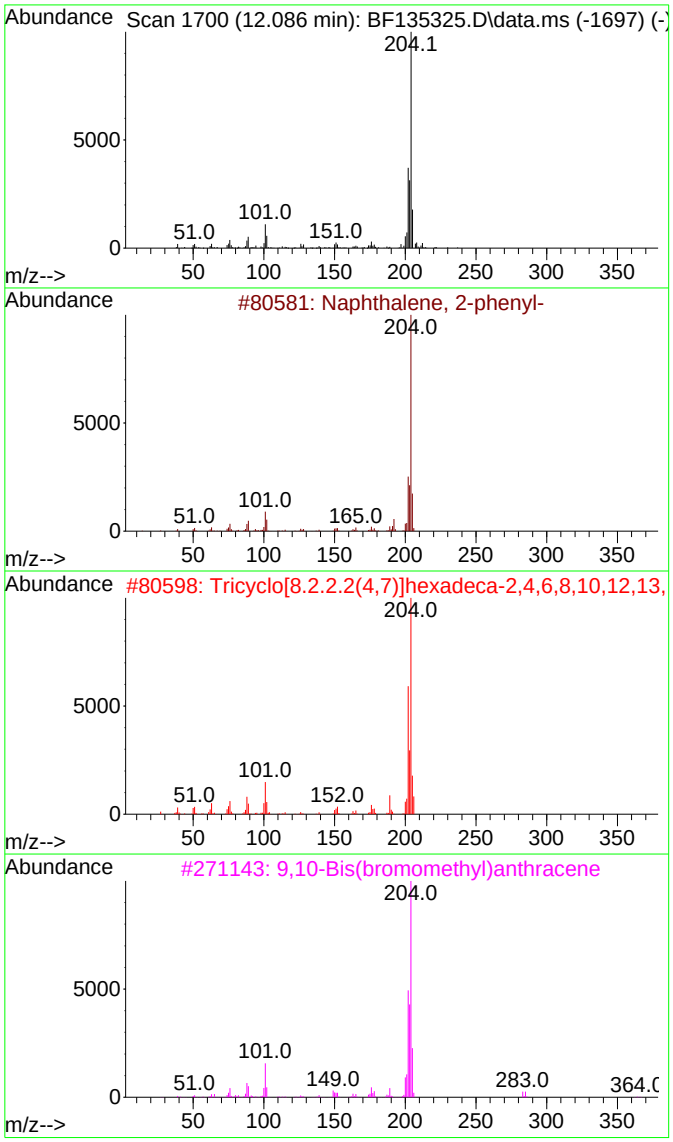
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

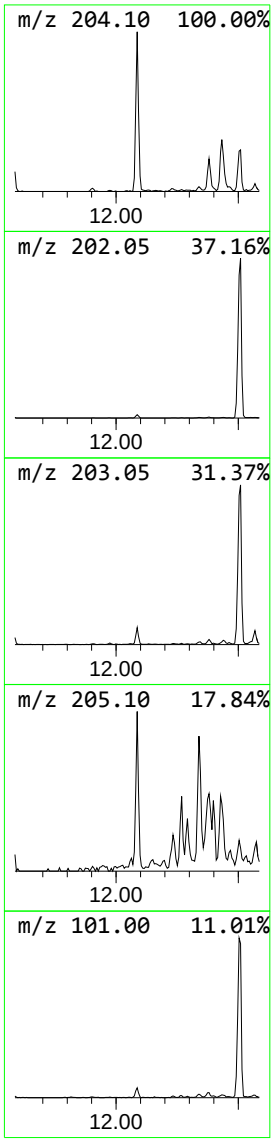
****

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.086	5.00 ng	129525	Phenanthrene-d10	11.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	83
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
Data File : BF135325.D
Acq On : 19 Sep 2023 00:59
Operator : CG\JU
Sample : 04423-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-09132023

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

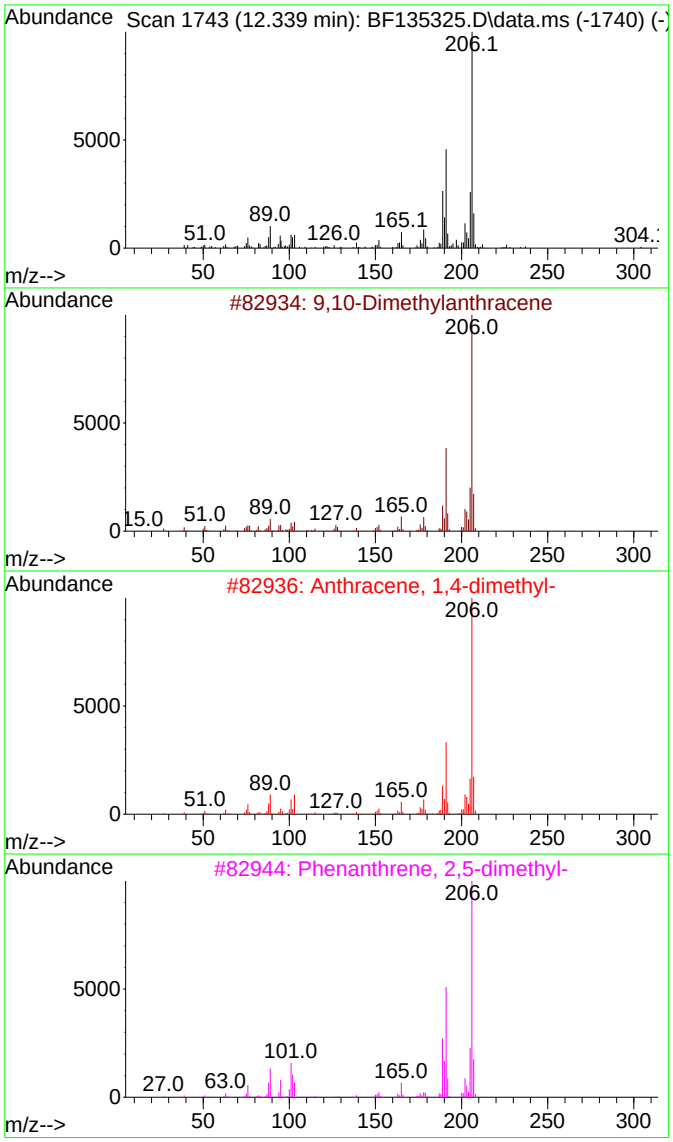
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

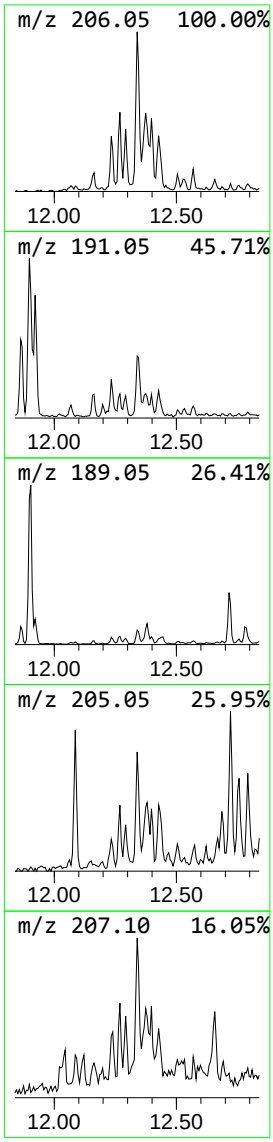
****

Peak Number 12 9,10-Dimethylanthracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.339	5.12 ng	132690	Phenanthrene-d10	11.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	92
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
Data File : BF135325.D
Acq On : 19 Sep 2023 00:59
Operator : CG\JU
Sample : 04423-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-09132023

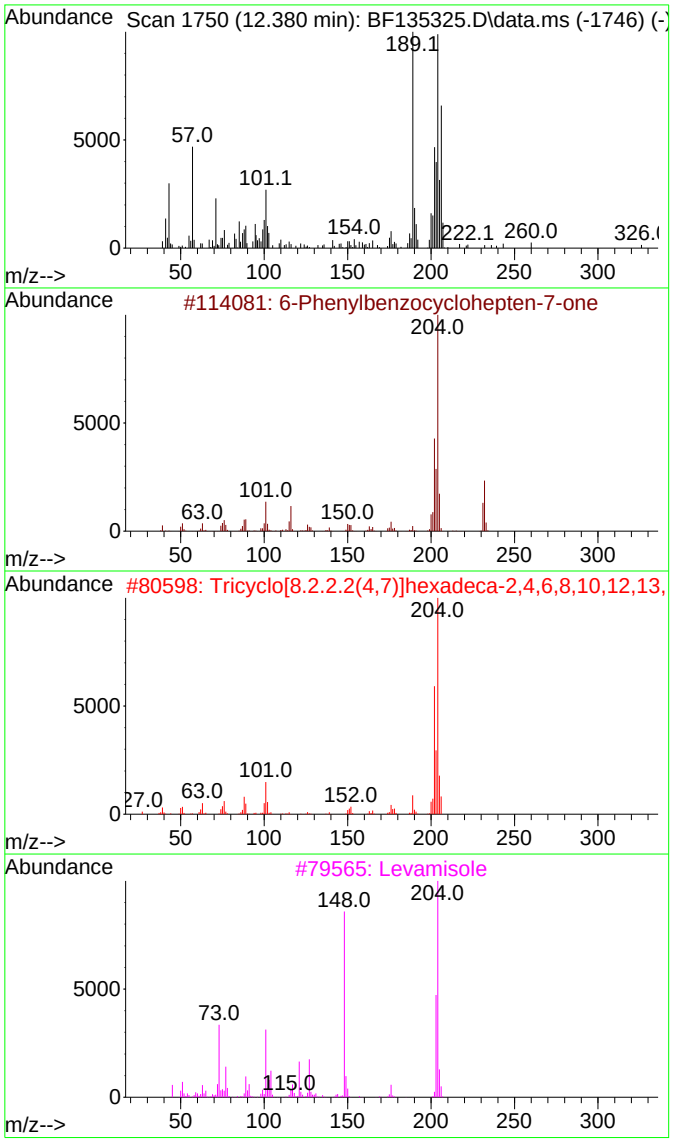
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

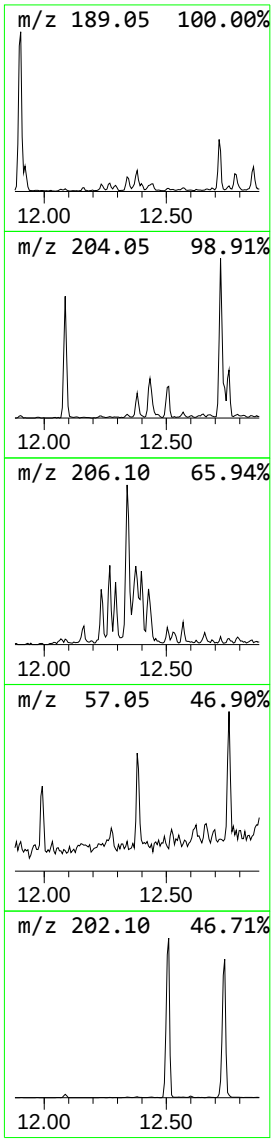
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 6-Phenylbenzocyclohepten-7-one Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.380	6.03 ng	156236	Phenanthrene-d10	11.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	60
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	41
3	Levamisole	204	C11H12N2S	014769-73-4	38
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
Data File : BF135325.D
Acq On : 19 Sep 2023 00:59
Operator : CG\JU
Sample : 04423-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-09132023

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

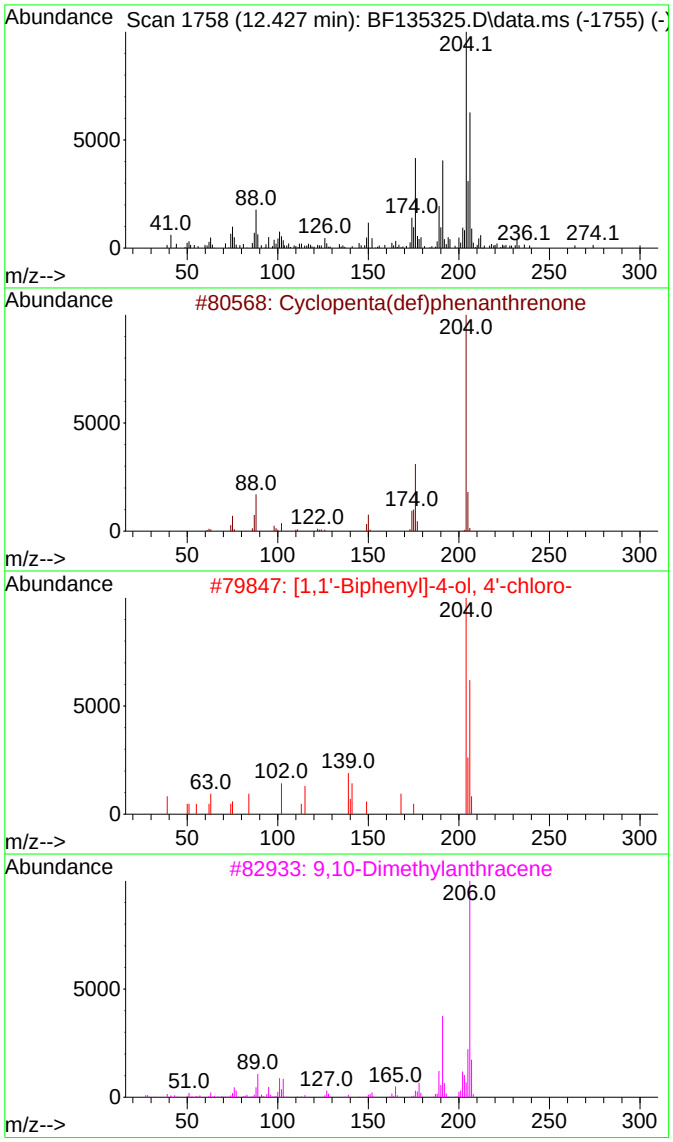
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

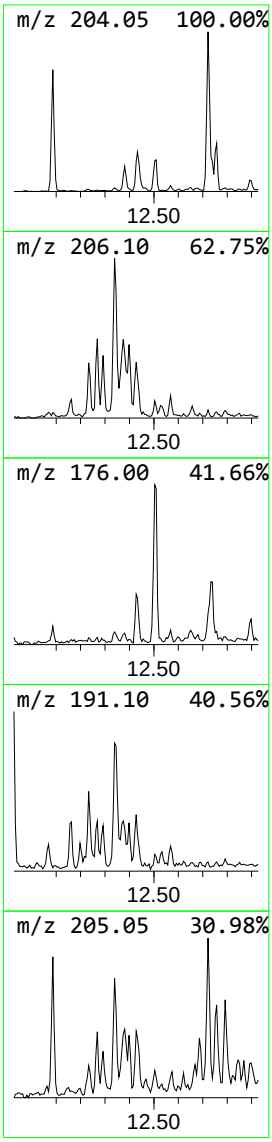
****

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.427	3.93 ng	101793	Phenanthrene-d10	11.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	89
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	35
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	30
5	Phenanthrene-9-carboxaldehyde	206	C15H10O	004707-71-5	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
Data File : BF135325.D
Acq On : 19 Sep 2023 00:59
Operator : CG\JU
Sample : 04423-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-09132023

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

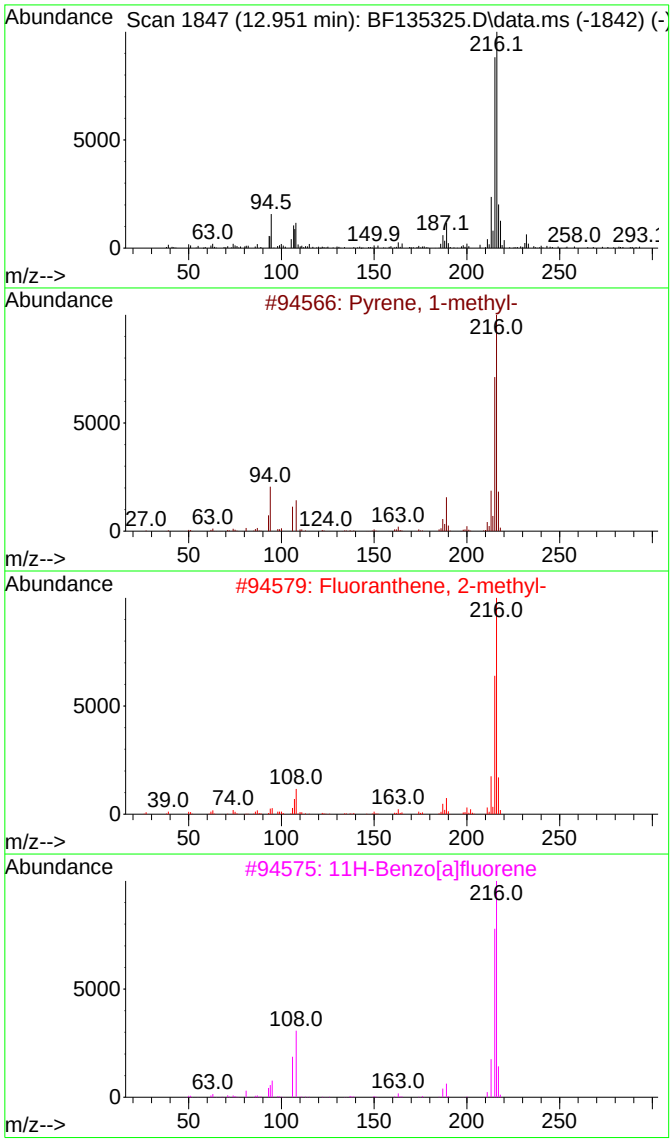
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

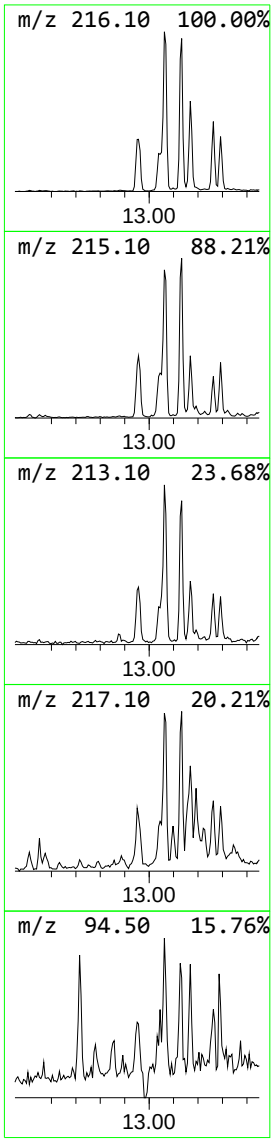
****

Peak Number 15 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.951	2.65 ng	227889	Chrysene-d12	13.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	74
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
Data File : BF135325.D
Acq On : 19 Sep 2023 00:59
Operator : CG\JU
Sample : 04423-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-09132023

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

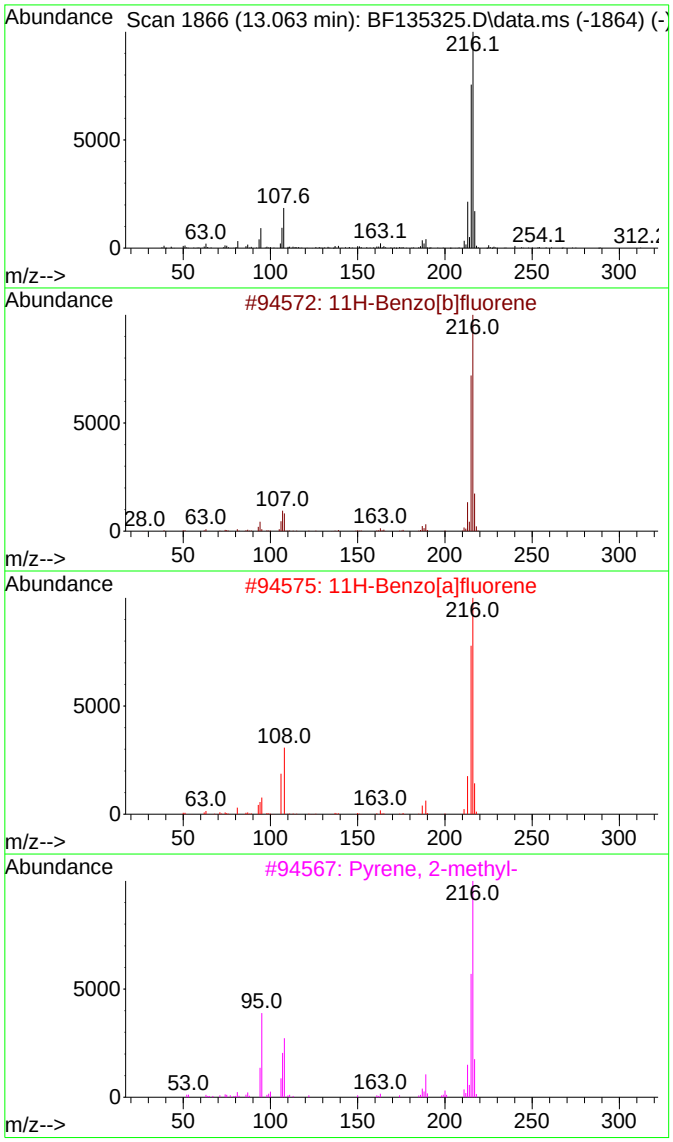
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

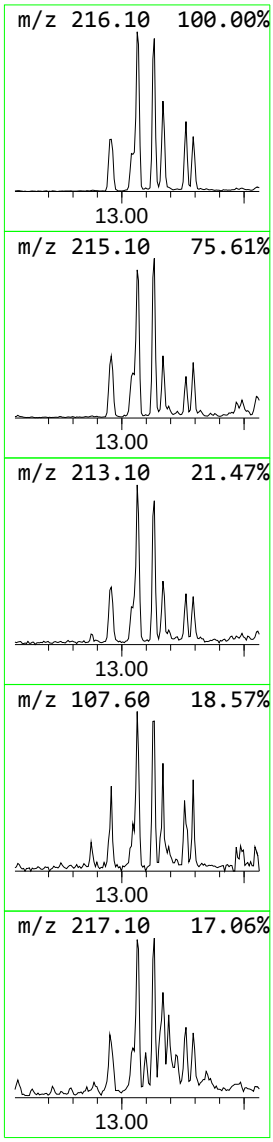
****

Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.063	3.59 ng	309635	Chrysene-d12	13.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
Data File : BF135325.D
Acq On : 19 Sep 2023 00:59
Operator : CG\JU
Sample : 04423-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-09132023

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

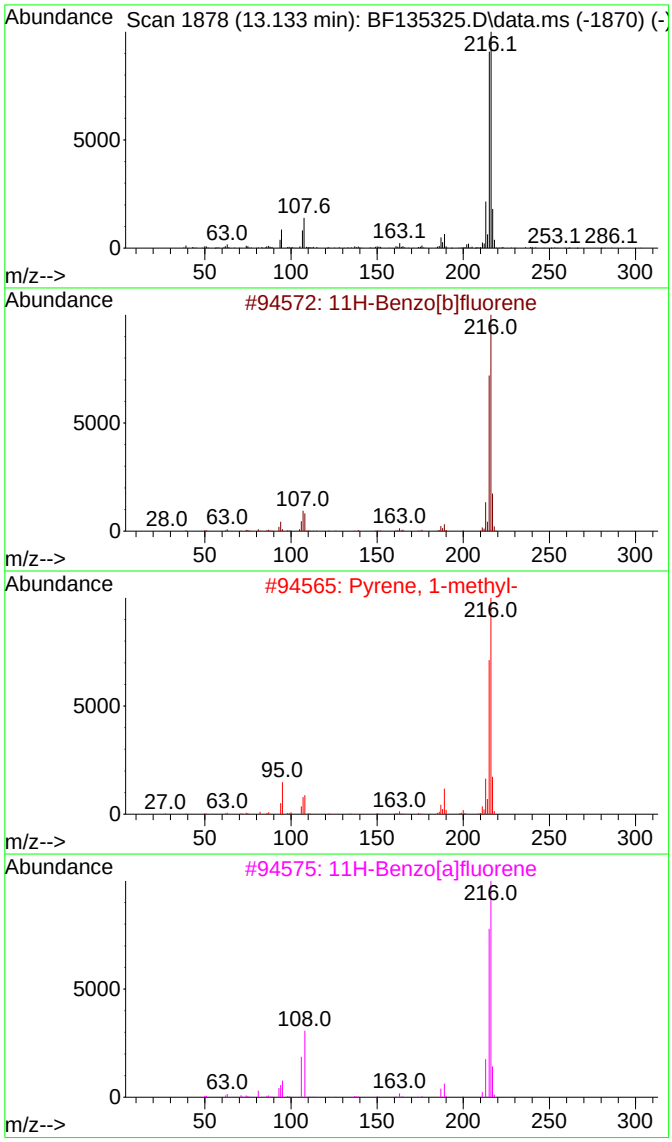
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

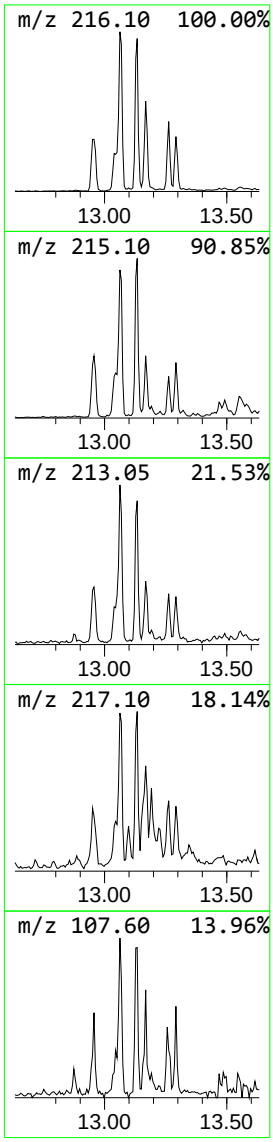
****

Peak Number 17 11H-Benzo[a]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.133	4.29 ng	369895	Chrysene-d12	13.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
Data File : BF135325.D
Acq On : 19 Sep 2023 00:59
Operator : CG\JU
Sample : 04423-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-09132023

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

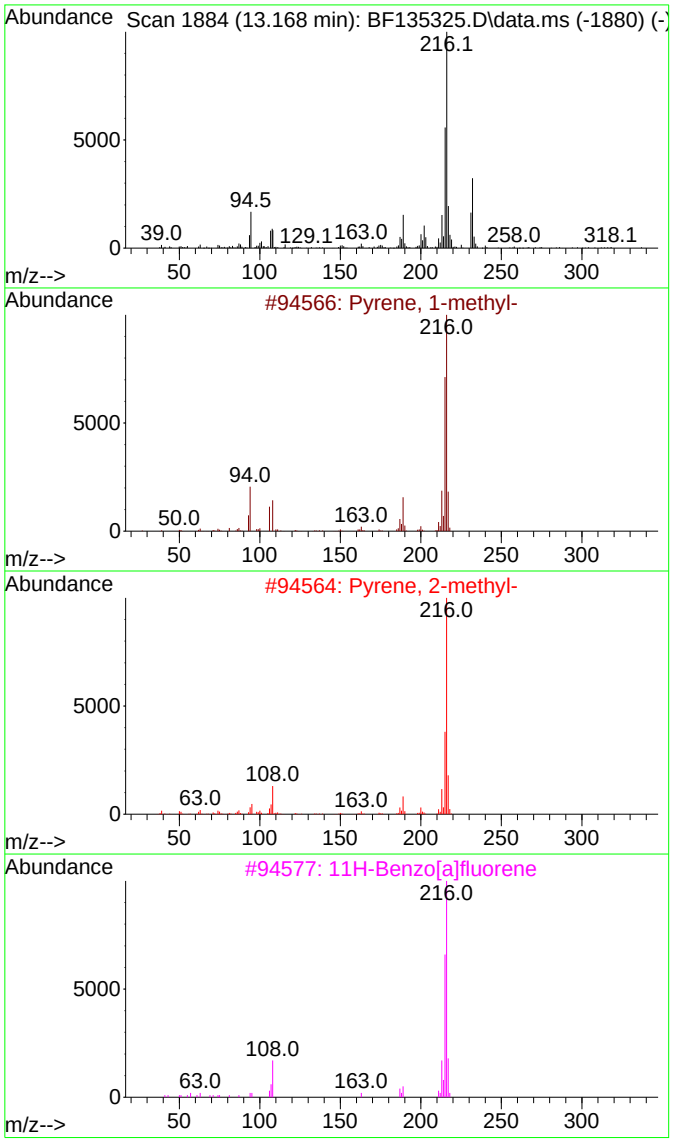
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

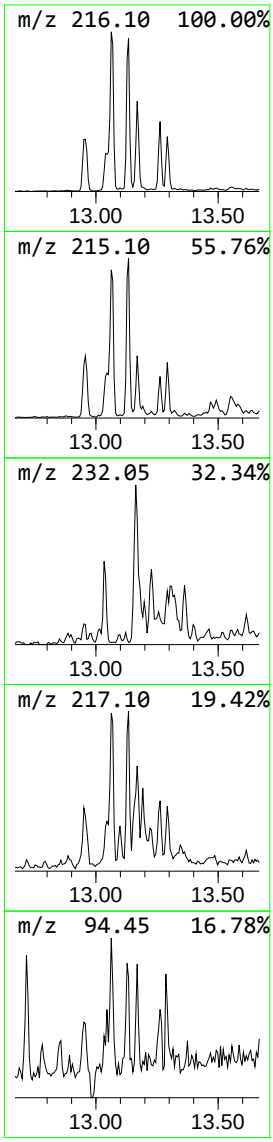
****

Peak Number 18 Pyrene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.168	2.61 ng	225232	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, 2-methyl-	216	C17H12	003442-78-2	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
Data File : BF135325.D
Acq On : 19 Sep 2023 00:59
Operator : CG\JU
Sample : 04423-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-09132023

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

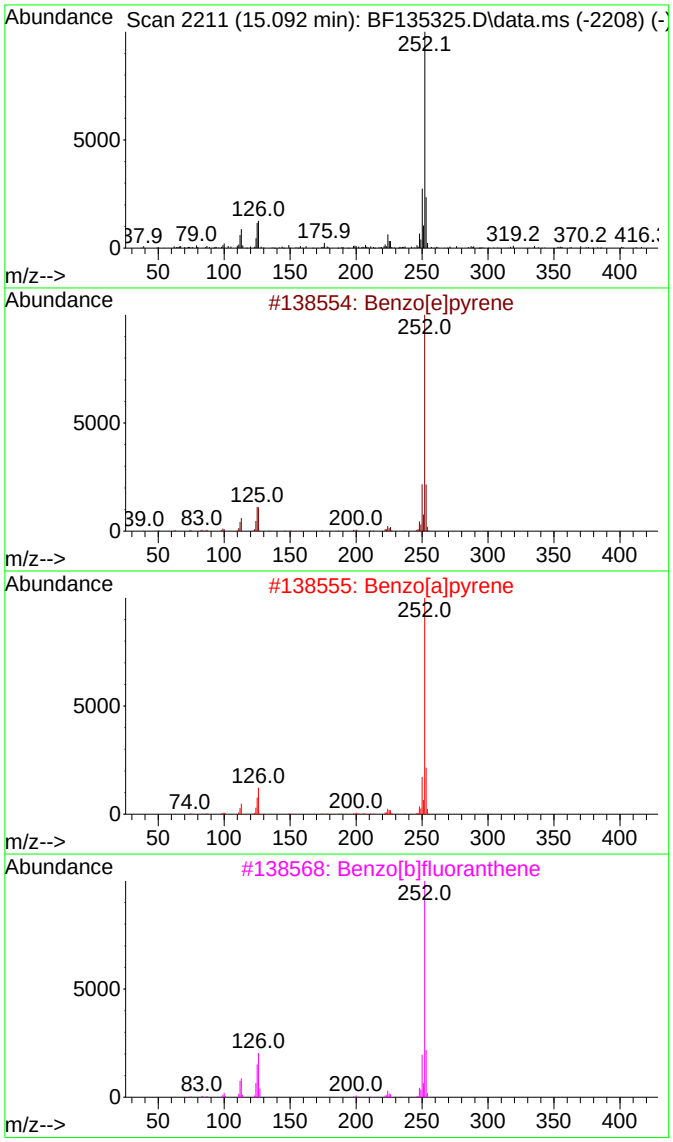
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

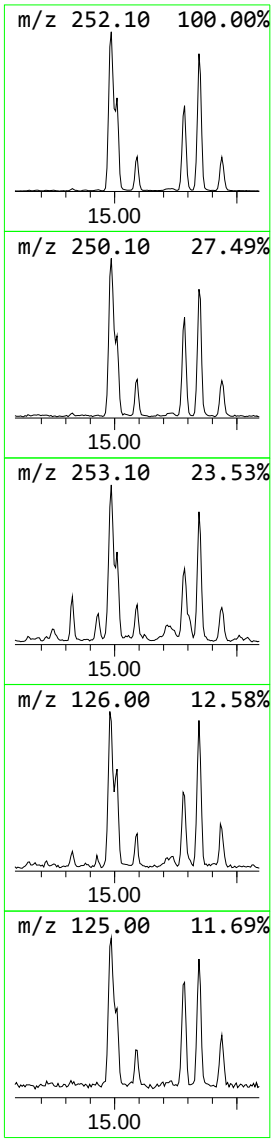
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.092	4.55 ng	92521	Perylene-d12	15.409

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
5	1,1'-Binaphthalene, 2,2'-dibromo-	410	C20H12Br2	074866-28-7	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
Data File : BF135325.D
Acq On : 19 Sep 2023 00:59
Operator : CG\JU
Sample : 04423-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-09132023

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

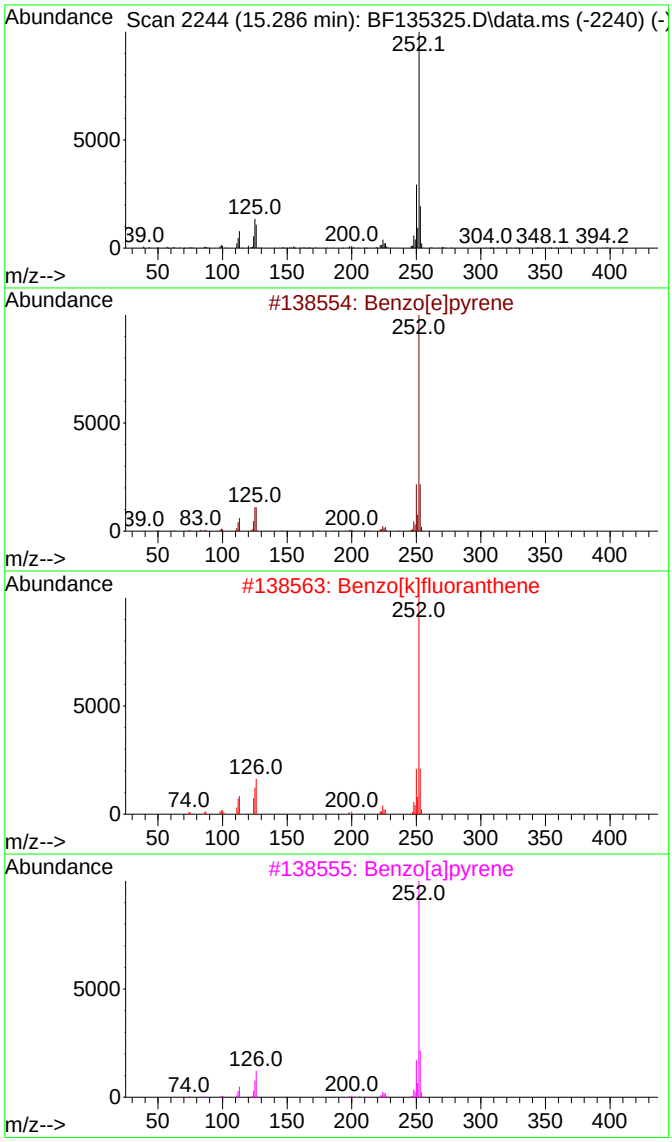
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

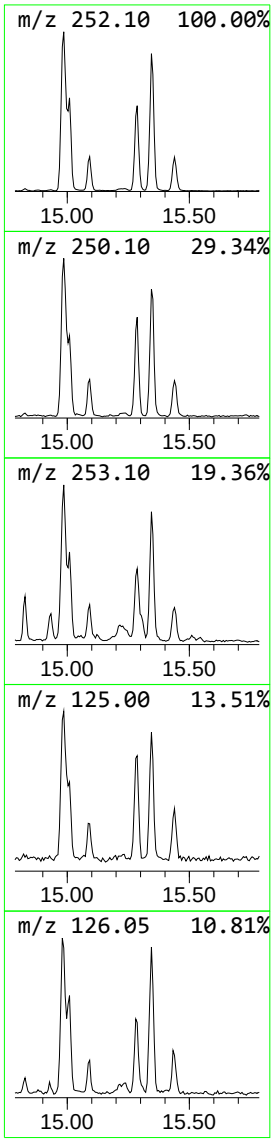
****

Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.286	18.05 ng	366774	Perylene-d12	15.409

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	97
4	Perylene	252	C20H12	000198-55-0	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
Data File : BF135325.D
Acq On : 19 Sep 2023 00:59
Operator : CG\JU
Sample : 04423-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-09132023

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,...	9.375	2.8	ng	76175	3	9.792	545768	20.0
Naphthalene, 1,...	9.451	3.2	ng	86917	3	9.792	545768	20.0
9H-Fluorene, 2-...	10.892	3.6	ng	94381	4	11.286	518148	20.0
4-(4-Methylphen...	11.133	2.3	ng	60222	4	11.286	518148	20.0
Dibenzothiophene	11.180	5.4	ng	140031	4	11.286	518148	20.0
Phenanthrene, 2...	11.786	8.6	ng	222546	4	11.286	518148	20.0
Anthracene, 9-m...	11.816	10.7	ng	277261	4	11.286	518148	20.0
Anthracene, 2-m...	11.863	4.3	ng	110567	4	11.286	518148	20.0
4H-Cyclopenta[d...	11.898	17.5	ng	452626	4	11.286	518148	20.0
Phenanthrene, 1...	11.921	4.2	ng	108824	4	11.286	518148	20.0
Naphthalene, 2-...	12.086	5.0	ng	129525	4	11.286	518148	20.0
9,10-Dimethylan...	12.339	5.1	ng	132690	4	11.286	518148	20.0
6-Phenylbenzocy...	12.380	6.0	ng	156236	4	11.286	518148	20.0
Cyclopenta(def)...	12.427	3.9	ng	101793	4	11.286	518148	20.0
Pyrene, 1-methyl-	12.951	2.6	ng	227889	5	13.945	1723090	20.0
11H-Benzo[b]flu...	13.063	3.6	ng	309635	5	13.945	1723090	20.0
11H-Benzo[a]flu...	13.133	4.3	ng	369895	5	13.945	1723090	20.0
Pyrene, 2-methyl-	13.168	2.6	ng	225232	5	13.945	1723090	20.0
Benzo[e]pyrene	15.092	4.5	ng	92521	6	15.409	406473	20.0
Perylene	15.286	18.1	ng	366774	6	15.409	406473	20.0