LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
Data File : BF126028.D
Acq On : 3 Nov 2021 19:52
Operator : JU/CG
Sample : M4411-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-HHS

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-BF110321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF126028.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.451	568	572	576	rBV	872939	767138	30.60%	1.766%
2	6.463	740	744	751	rBV	935198	821654	32.77%	1.892%
3	6.851	806	810	813	rBV	1290653	1018287	40.61%	2.344%
4	7.404	899	904	910	rBV	636466	522314	20.83%	1.202%
5	8.039	1008	1012	1023	rBV	47250	77301	3.08%	0.178%
6	8.134	1024	1028	1031	rBV	1595820	1327875	52.96%	3.057%
7	8.845	1143	1149	1153	rBV	213469	173926	6.94%	0.400%
8	8.939	1162	1165	1169	rVB	306800	265730	10.60%	0.612%
9	9.204	1206	1210	1215	rVB	1290301	975630	38.91%	2.246%
10	9.404	1238	1244	1249	rVB	95809	140800	5.62%	0.324%
11	9.475	1251	1256	1259	rBV2	257921	348258	13.89%	0.802%
12	9.545	1263	1268	1270	rBV	574626	528006	21.06%	1.216%
13	9.569	1270	1272	1275	rVB	377173	270814	10.80%	0.623%
14	9.663	1284	1288	1289	rBV	256007	236642	9.44%	0.545%
15	9.745	1296	1302	1306	rVB	253489	228976	9.13%	0.527%
16	9.886	1319	1326	1329	rBV	1920273	1652384	65.90%	3.804%
17	9.916	1329	1331	1334	rVV	358715	301860	12.04%	0.695%
18	9.986	1340	1343	1348	rVV2	138162	195708	7.81%	0.451%
19	10.033	1348	1351	1354	rVV3	86937	116965	4.66%	0.269%
20	10.086	1356	1360	1364	rVV	291703	294047	11.73%	0.677%
21	10.128	1364	1367	1370	rVV	260347	221846	8.85%	0.511%
22	10.198	1374	1379	1382	rBV	227740	237747	9.48%	0.547%
23	10.228	1382	1384	1387	rVV	183669	139645	5.57%	0.321%
24	10.292	1390	1395	1396	rBV2	184175	232255	9.26%	0.535%
25	10.310	1396	1398	1401	rVV3	152765	136018	5.42%	0.313%
26	10.380	1404	1410	1413	rVV4	143240	187496	7.48%	0.432%
27	10.428	1415	1418	1424	rVV2	697181	691902	27.60%	1.593%
28	10.498	1424	1430	1431	rVV2	232844	329397	13.14%	0.758%
29	10.516	1431	1433	1435	rVV2	224021	196220	7.83%	0.452%
30	10.545	1435	1438	1440	rVV	140537	156984	6.26%	0.361%
31	10.586	1442	1445	1450	rVV3	164746	213085	8.50%	0.491%
32	10.669	1454	1459	1463	rVV	733187	710320	28.33%	1.635%
33	10.710	1463	1466	1471	rVB4	53943	90227	3.60%	0.208%
34	10.798	1476	1481	1487	rVB3	125357	172835	6.89%	0.398%
35	10.869	1491	1493	1496	rBV	77713	78540	3.13%	0.181%
36	10.975	1506	1511	1514	rBV	378388	493590	19.69%	1.136%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
Data File : BF126028.D
Acq On : 3 Nov 2021 19:52
Operator : JU/CG
Sample : M4411-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-HHS

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-BF110321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.004	1514	1516	1519	rVV	360180	319534	12.74%	0.736%
38	11.063	1523	1526	1528	rVV	260913	235215	9.38%	0.542%
39	11.092	1528	1531	1532	rVV	97032	83877	3.35%	0.193%
40	11.127	1532	1537	1539	rVV4	156598	271854	10.84%	0.626%
41	11.216	1549	1552	1555	rVV	93351	118616	4.73%	0.273%
42	11.263	1558	1560	1565	rVB	246825	229269	9.14%	0.528%
43	11.369	1574	1578	1580	rBV	1646663	1448652	57.78%	3.335%
44	11.392	1580	1582	1585	rVV	3170455	2507307	100.00%	5.772%
45	11.439	1585	1590	1593	rVB	639248	603194	24.06%	1.389%
46	11.474	1593	1596	1599	rBV2	160504	196866	7.85%	0.453%
47	11.598	1614	1617	1620	rBV3	66331	96871	3.86%	0.223%
48	11.663	1626	1628	1630	rBV	133092	99990	3.99%	0.230%
49	11.698	1630	1634	1638	rVB3	242224	231197	9.22%	0.532%
50	11.780	1645	1648	1651	rVB	143080	143083	5.71%	0.329%
51	11.869	1659	1663	1666	rVV	1013976	925744	36.92%	2.131%
52	11.898	1666	1668	1671	rVB	1213898	910123	36.30%	2.095%
53	11.945	1672	1676	1679	rBV	442057	392319	15.65%	0.903%
54	11.980	1679	1682	1684	rVV2	1298372	1321323	52.70%	3.042%
55	12.004	1684	1686	1691	rVB	885049	685282	27.33%	1.578%
56	12.104	1700	1703	1705	rVB3	96395	85818	3.42%	0.198%
57	12.163	1711	1713	1715	rVV	406719	318468	12.70%	0.733%
58	12.186	1715	1717	1721	rVV2	67460	92514	3.69%	0.213%
59	12.239	1724	1726	1729	rBV2	92755	91278	3.64%	0.210%
60	12.316	1736	1739	1741	rVB	157849	129824	5.18%	0.299%
61	12.345	1741	1744	1746	rBV	196493	150027	5.98%	0.345%
62	12.369	1746	1748	1750	rVB2	173992	132015	5.27%	0.304%
63	12.421	1750	1757	1759	rBV	649536	728844	29.07%	1.678%
64	12.457	1759	1763	1768	rVB2	437601	666759	26.59%	1.535%
65	12.504	1768	1771	1776	rBV2	217924	384817	15.35%	0.886%
66	12.580	1780	1784	1787	rBV	1971357	1590669	63.44%	3.662%
67	12.627	1789	1792	1793	rBV	120670	104052	4.15%	0.240%
68	12.645	1793	1795	1798	rVB2	132490	111066	4.43%	0.256%
69	12.733	1807	1810	1813	rBV3	78513	104813	4.18%	0.241%
70	12.810	1817	1823	1825	rBV	2267932	2166179	86.39%	4.987%
71	12.827	1825	1826	1829	rVB	239539	160360	6.40%	0.369%
72	12.869	1829	1833	1836	rVB2	156325	197999	7.90%	0.456%
73	12.951	1844	1847	1854	rVB	922197	896575	35.76%	2.064%
74	13.027	1856	1860	1867	rBV2	275983	419959	16.75%	0.967%
75	13.080	1867	1869	1871	rBV2	90361	88138	3.52%	0.203%
76	13.110	1871	1874	1875	rBV2	206004	178206	7.11%	0.410%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
Data File : BF126028.D
Acq On : 3 Nov 2021 19:52
Operator : JU/CG
Sample : M4411-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-HHS

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-BF110321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.133	1876	1878	1882	rVB	616858	491891	19.62%	1.132%
78	13.204	1882	1890	1892	rBV	480962	546861	21.81%	1.259%
79	13.239	1892	1896	1899	rBV2	458553	395355	15.77%	0.910%
80	13.333	1908	1912	1914	rVV	278916	255865	10.20%	0.589%
81	13.363	1914	1917	1920	rVB	381639	304067	12.13%	0.700%
82	13.498	1935	1940	1943	rBV2	198147	257948	10.29%	0.594%
83	13.539	1944	1947	1949	rVV2	109815	127036	5.07%	0.292%
84	13.621	1957	1961	1963	rBV2	126037	191670	7.64%	0.441%
85	13.751	1978	1983	1986	rVV3	148206	282641	11.27%	0.651%
86	13.780	1986	1988	1990	rVV	159305	129417	5.16%	0.298%
87	14.004	2021	2026	2028	rBV2	1219847	1681646	67.07%	3.872%
88	14.027	2028	2030	2036	rVB	766183	746871	29.79%	1.719%
89	14.351	2083	2085	2087	rBV	112045	107084	4.27%	0.247%
90	14.392	2087	2092	2095	rVV	340603	365343	14.57%	0.841%
91	14.421	2095	2097	2100	rVB	229734	171792	6.85%	0.396%
92	14.463	2101	2104	2105	rBV2	83189	87648	3.50%	0.202%
93	14.480	2105	2107	2110	rVB2	150218	147833	5.90%	0.340%
94	14.515	2110	2113	2115	rBV	194624	191211	7.63%	0.440%
95	15.039	2198	2202	2209	rBV	325086	685647	27.35%	1.579%
96	15.145	2218	2220	2224	rVB	90754	88351	3.52%	0.203%
97	15.339	2250	2253	2259	rVB	253158	303259	12.10%	0.698%
98	15.404	2259	2264	2270	rBV	422316	537704	21.45%	1.238%
99	15.468	2270	2275	2278	rBV	753048	913973	36.45%	2.104%
100	16.909	2516	2520	2526	rVB2	138582	254107	10.13%	0.585%

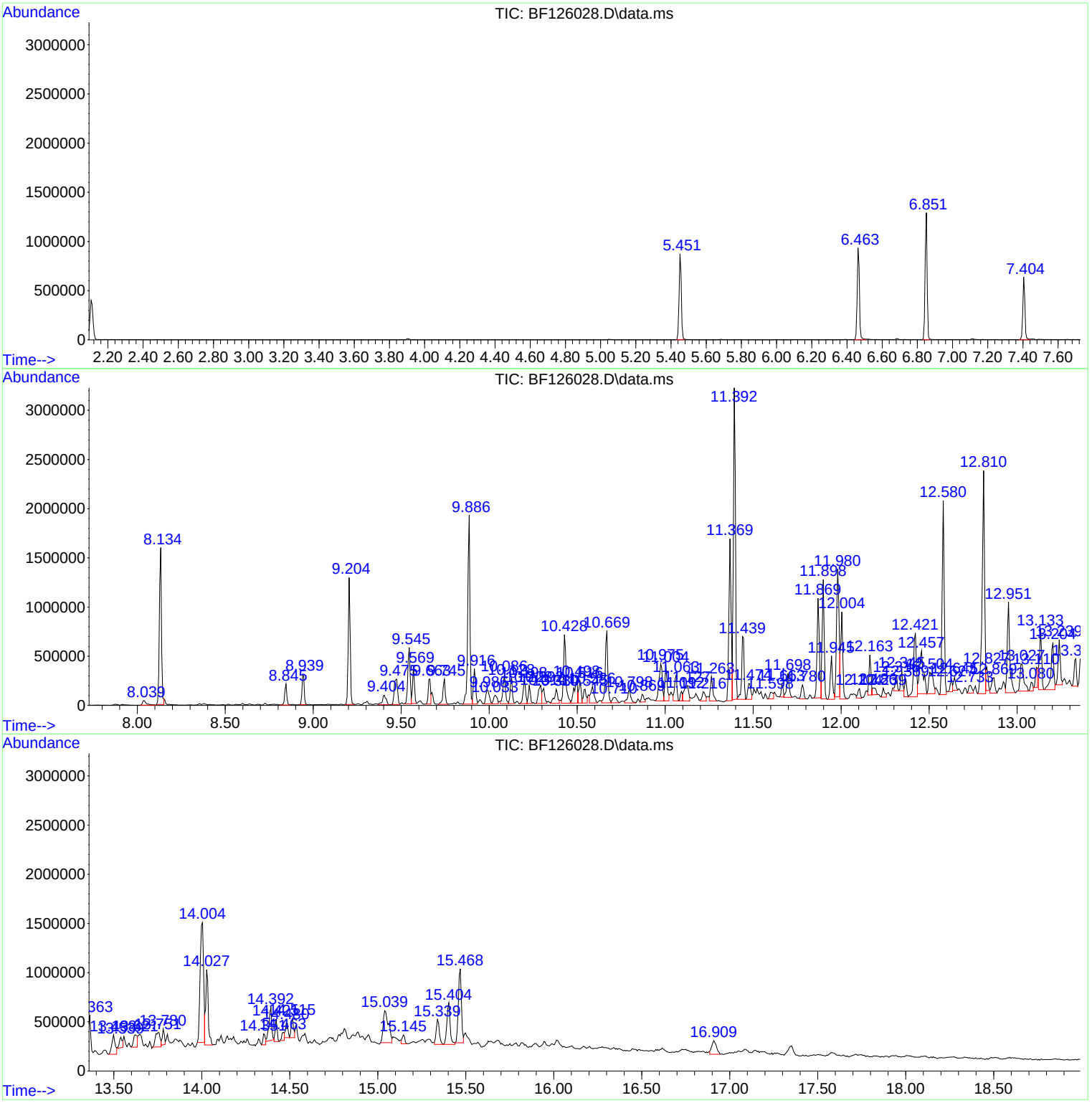
Sum of corrected areas: 43436338

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
Data File : BF126028.D
Acq On : 3 Nov 2021 19:52
Operator : JU/CG
Sample : M4411-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-HHS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.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\BF110321\
Data File : BF126028.D
Acq On : 3 Nov 2021 19:52
Operator : JU/CG
Sample : M4411-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-HHS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

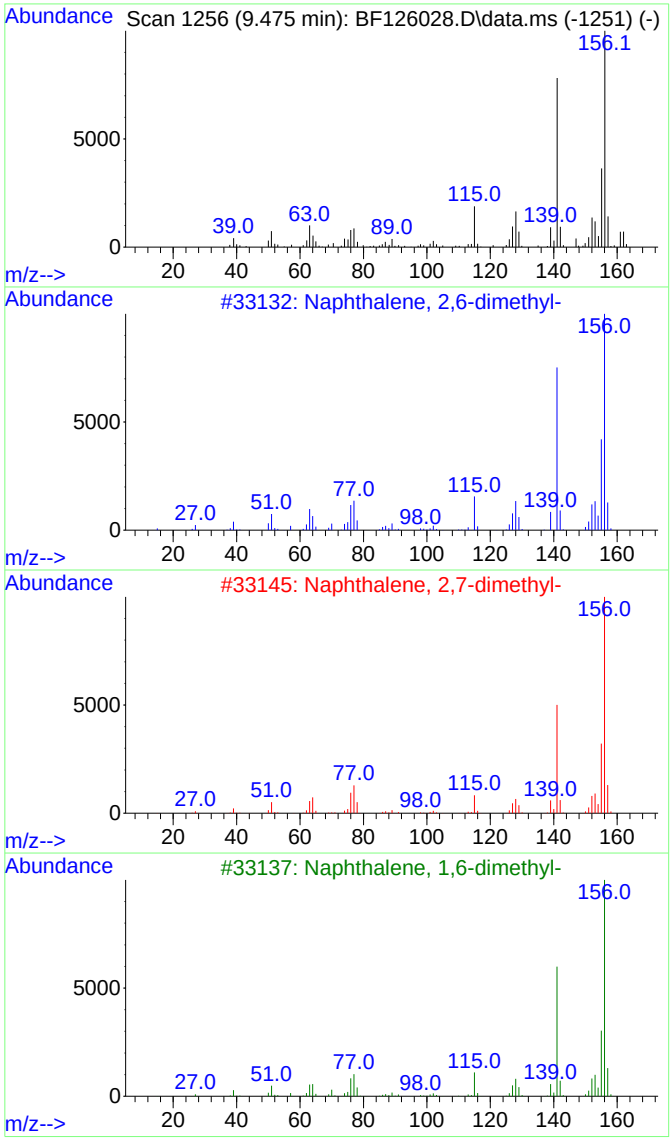
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

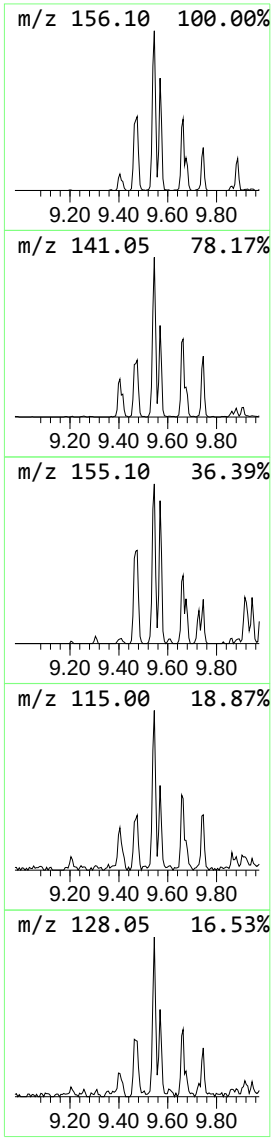
****

Peak Number 1 Naphthalene, 2,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.475	4.22 ng	348258	Acenaphthene-d10	9.886

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
Data File : BF126028.D
Acq On : 3 Nov 2021 19:52
Operator : JU/CG
Sample : M4411-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-HHS

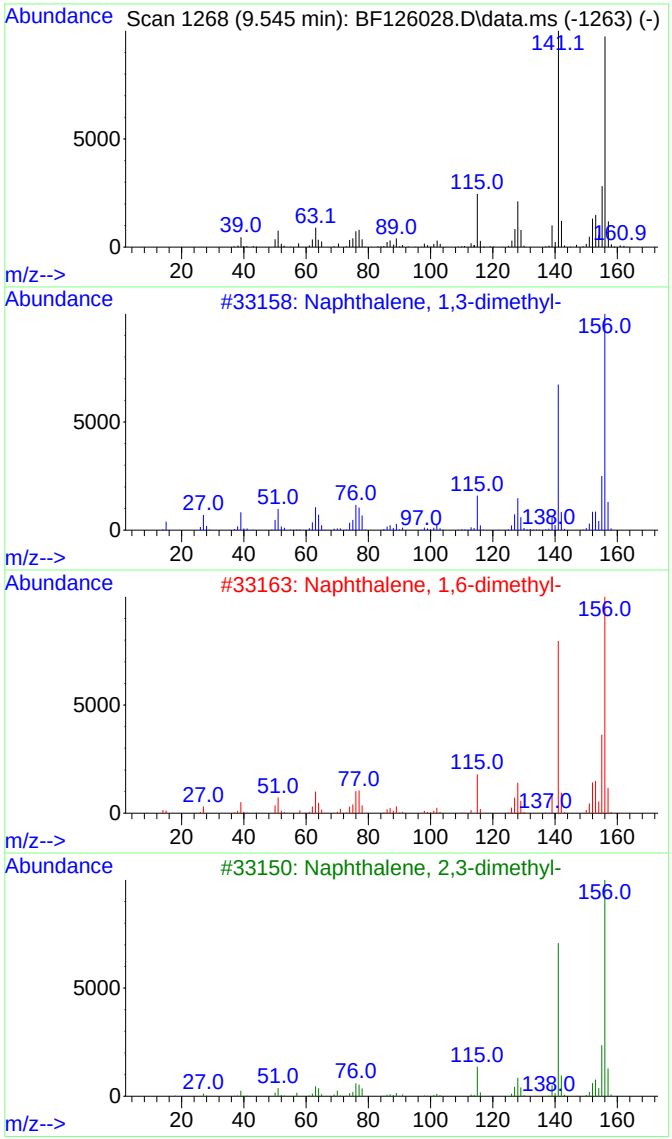
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

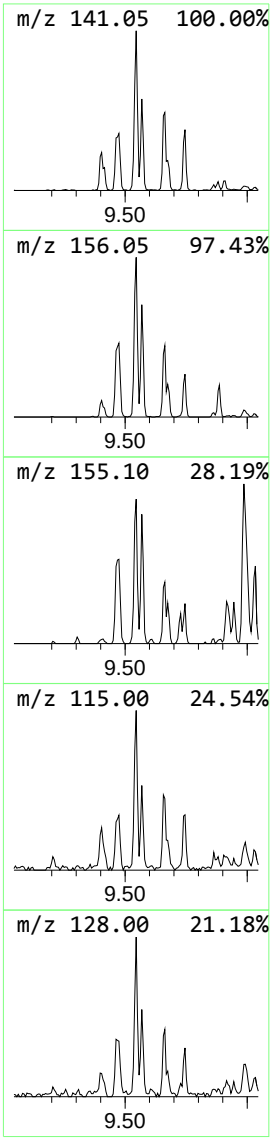
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Naphthalene, 1,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.545	6.39 ng	528006	Acenaphthene-d10	9.886

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
Data File : BF126028.D
Acq On : 3 Nov 2021 19:52
Operator : JU/CG
Sample : M4411-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-HHS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

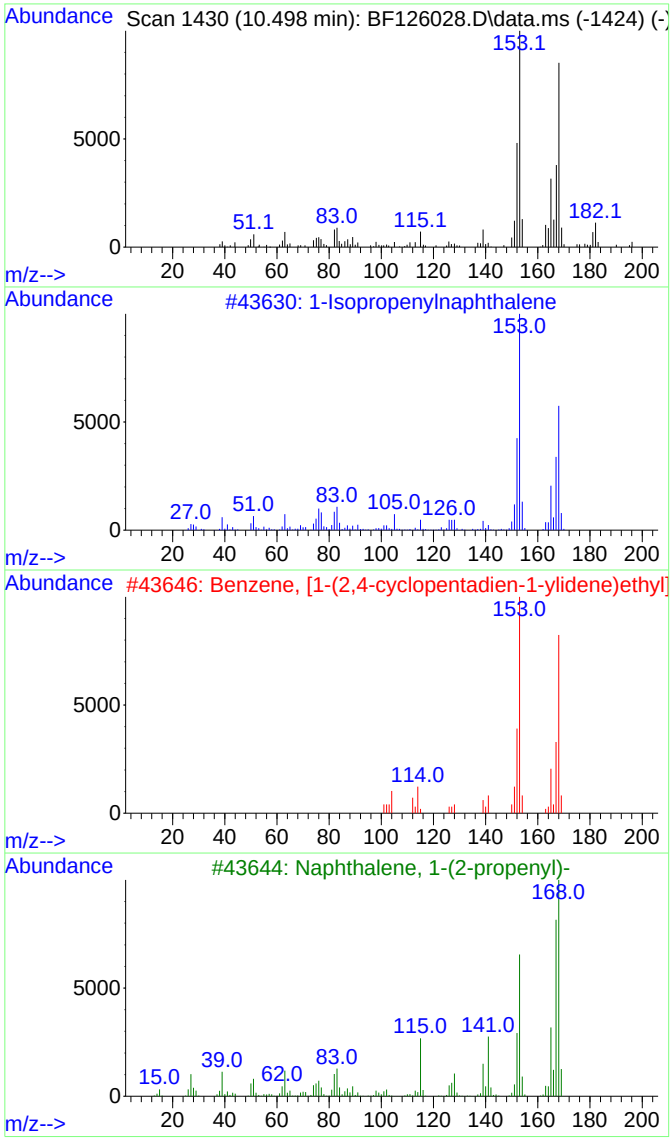
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

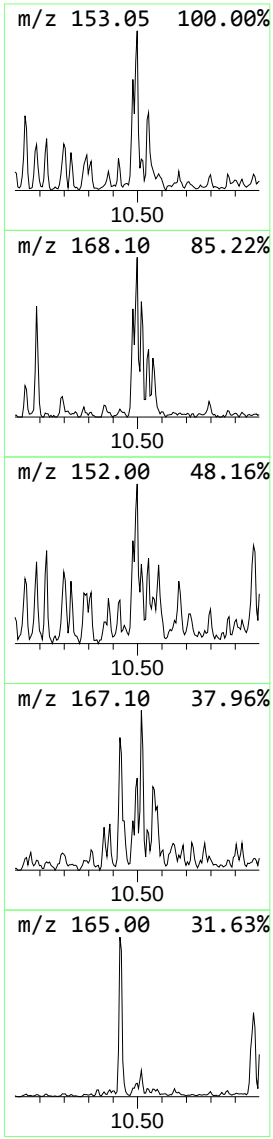
****

Peak Number 3 1-Isopropenylnaphthalene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.498	3.99 ng	329397	Acenaphthene-d10	9.886

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	87
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	87
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	64
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	49
5	5-Acetyl-2-methyl-3-thiophenecar...	168	C8H8O2S	090345-55-4	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
Data File : BF126028.D
Acq On : 3 Nov 2021 19:52
Operator : JU/CG
Sample : M4411-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-HHS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

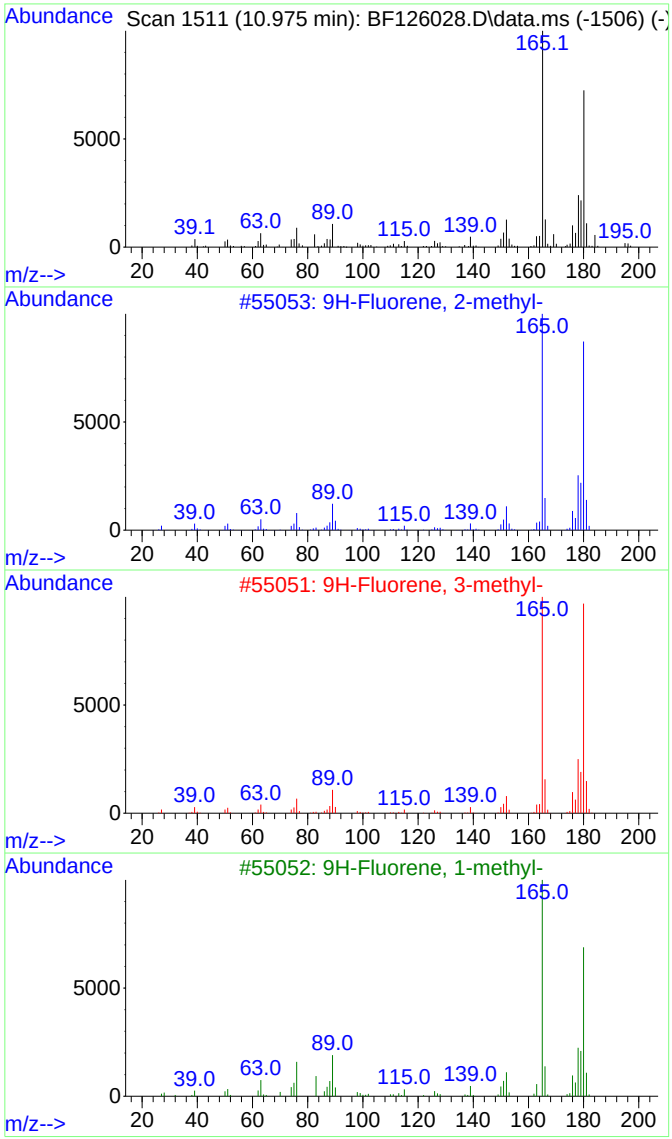
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

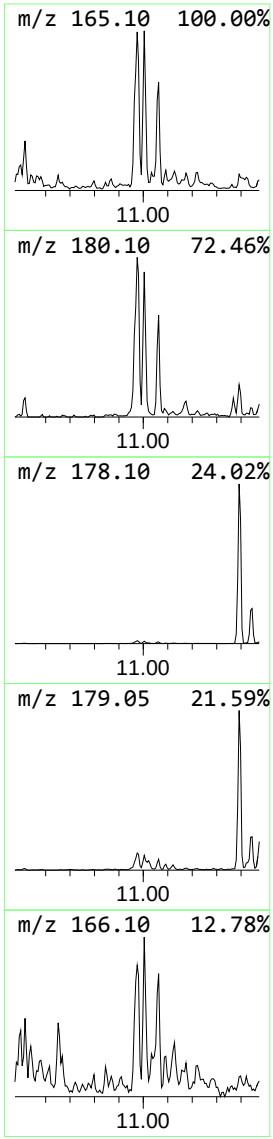
****

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.975	6.81 ng	493590	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	92
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
Data File : BF126028.D
Acq On : 3 Nov 2021 19:52
Operator : JU/CG
Sample : M4411-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-HHS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

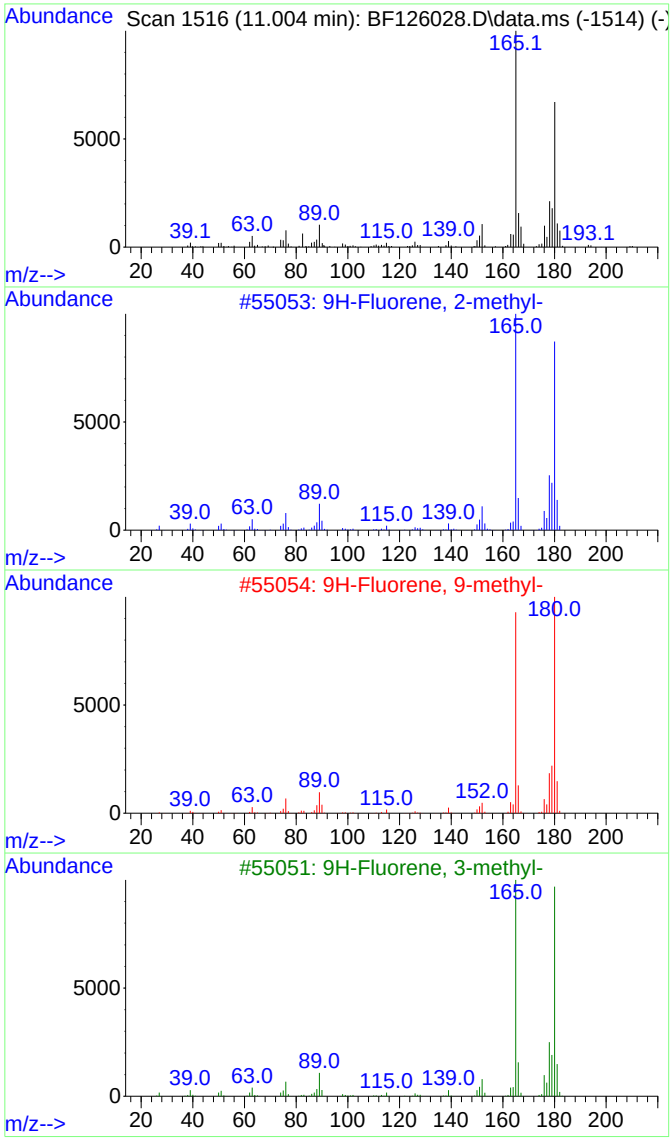
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

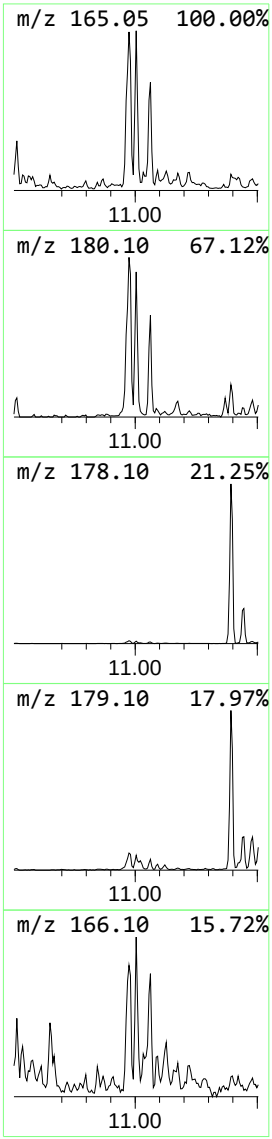
****

Peak Number 5 9H-Fluorene, 9-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.004	4.41 ng	319534	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
Data File : BF126028.D
Acq On : 3 Nov 2021 19:52
Operator : JU/CG
Sample : M4411-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-HHS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

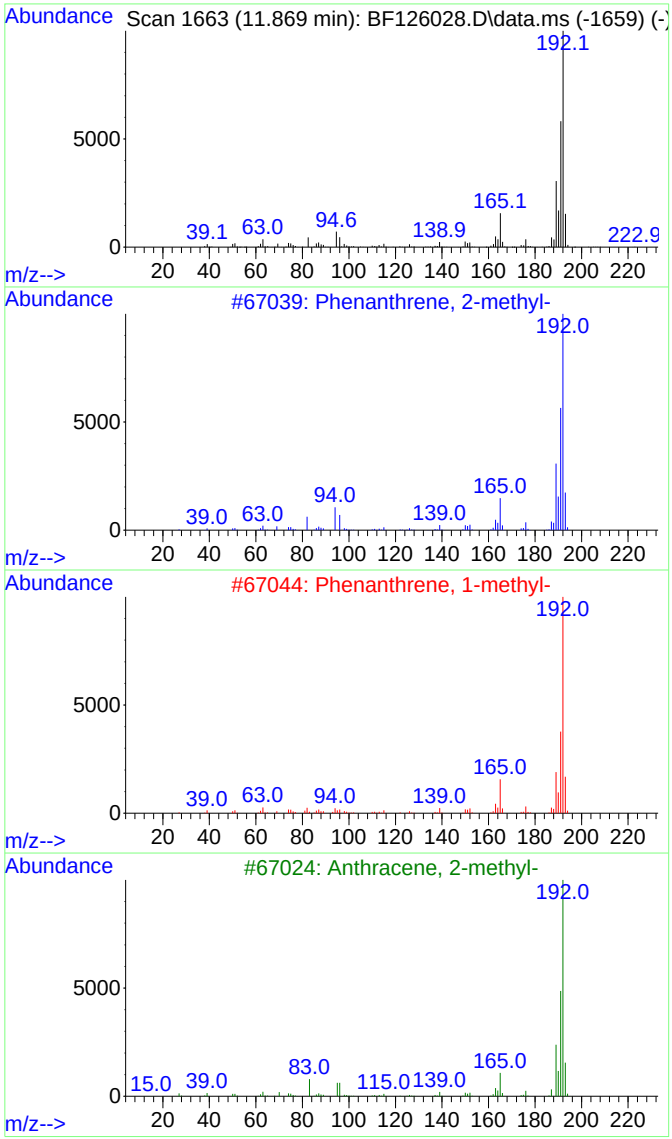
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

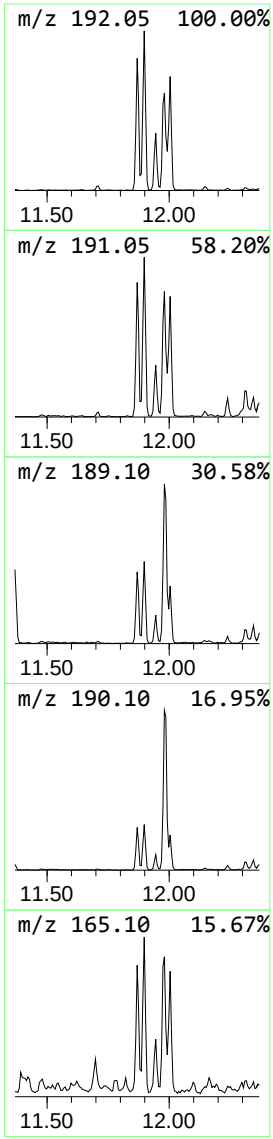
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.869	12.78 ng	925744	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
Data File : BF126028.D
Acq On : 3 Nov 2021 19:52
Operator : JU/CG
Sample : M4411-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-HHS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

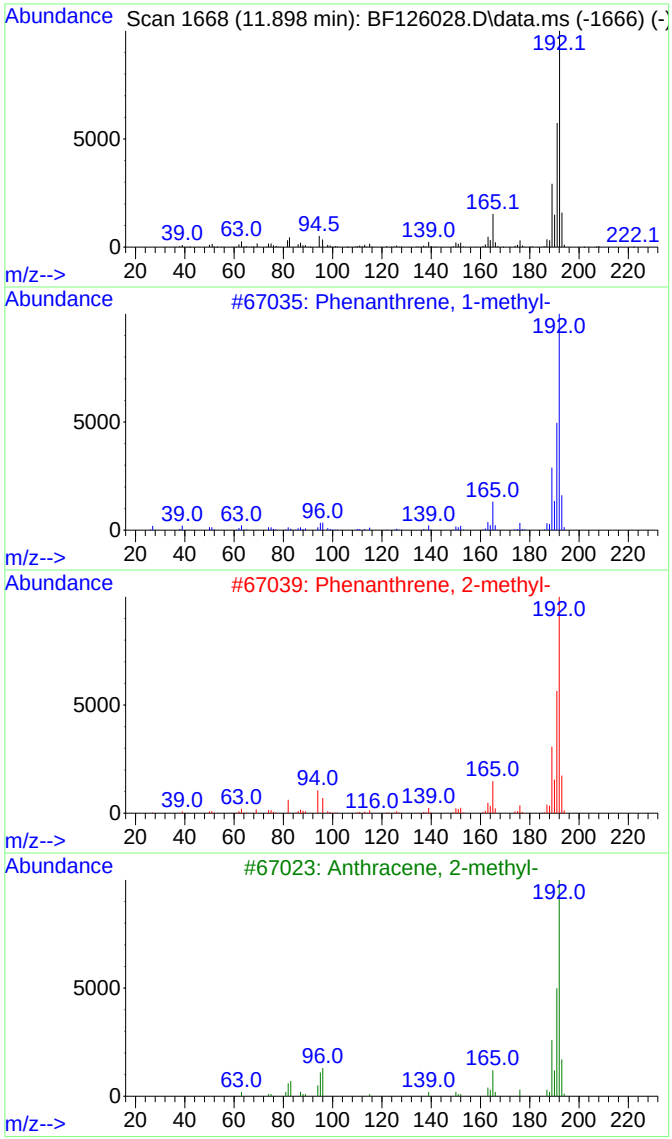
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

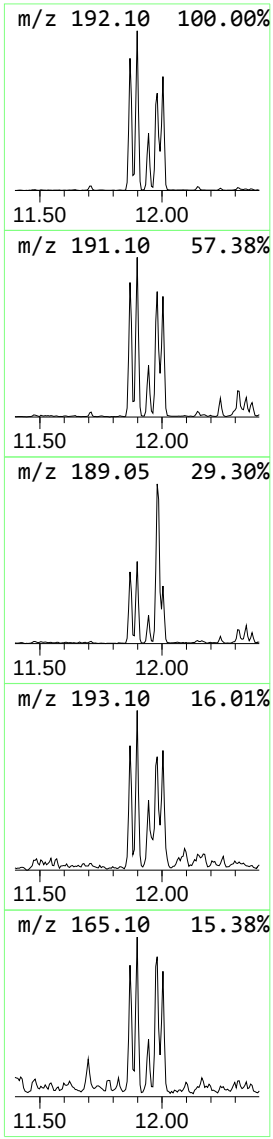
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.898	12.57 ng	910123	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
Data File : BF126028.D
Acq On : 3 Nov 2021 19:52
Operator : JU/CG
Sample : M4411-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-HHS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

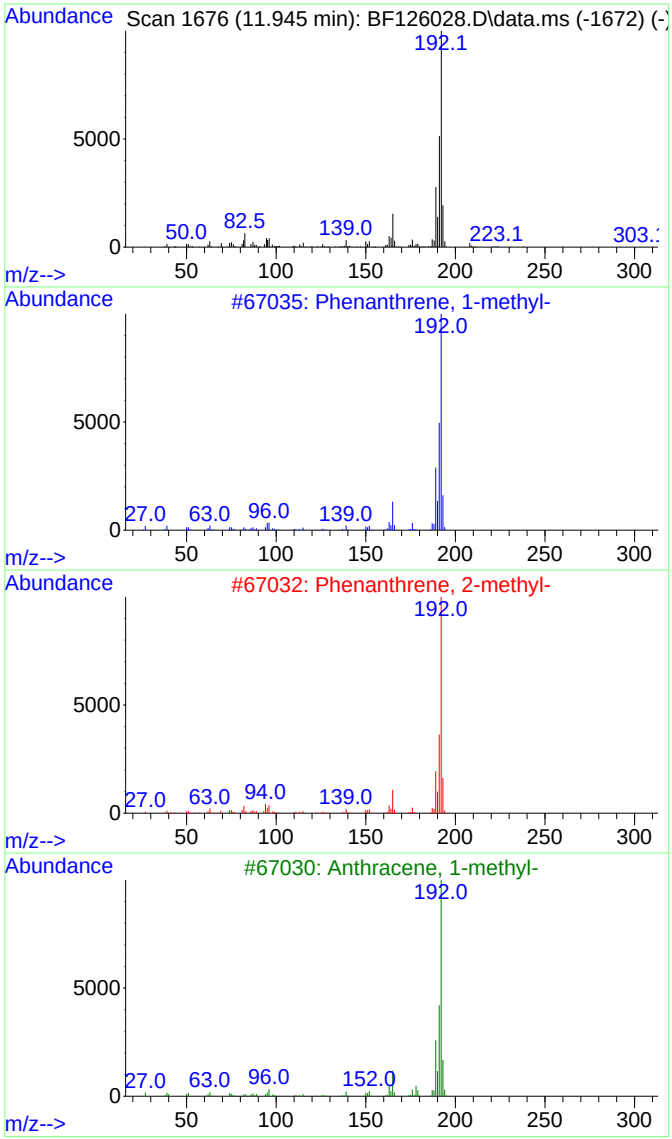
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

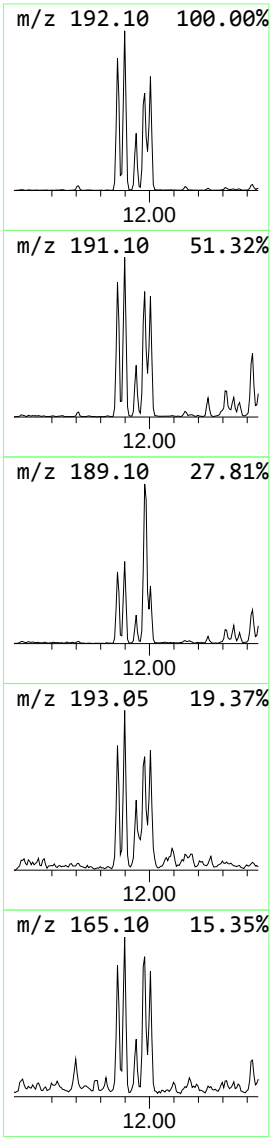
****

Peak Number 8 Anthracene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	5.42 ng	392319	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
Data File : BF126028.D
Acq On : 3 Nov 2021 19:52
Operator : JU/CG
Sample : M4411-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-HHS

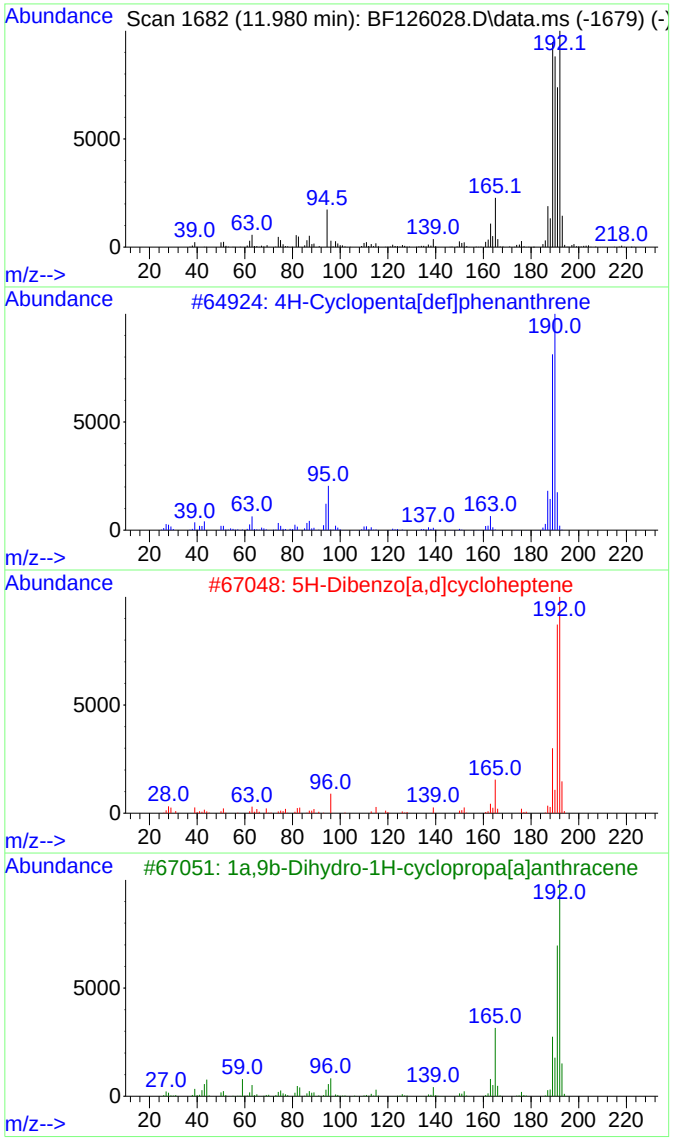
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

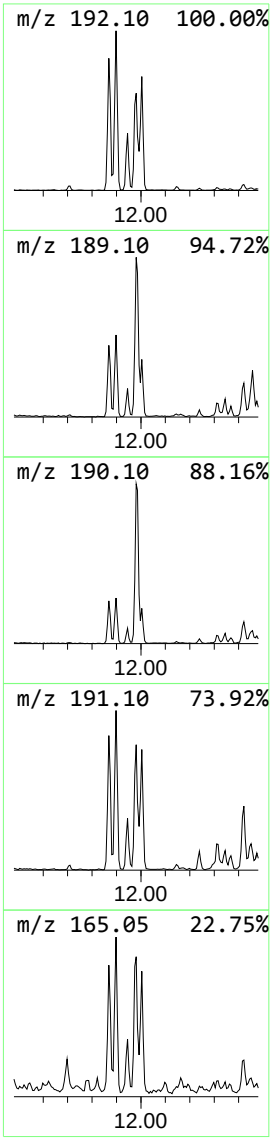
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.980	18.24 ng	1321320	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	50
3	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	50
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	45
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
Data File : BF126028.D
Acq On : 3 Nov 2021 19:52
Operator : JU/CG
Sample : M4411-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-HHS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

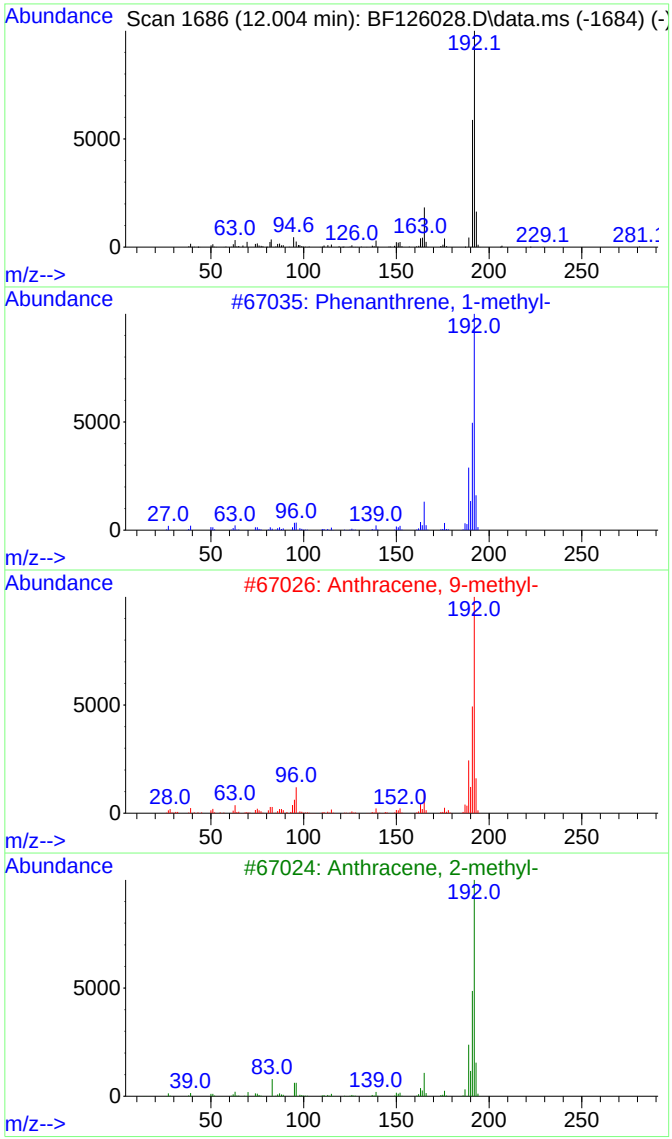
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

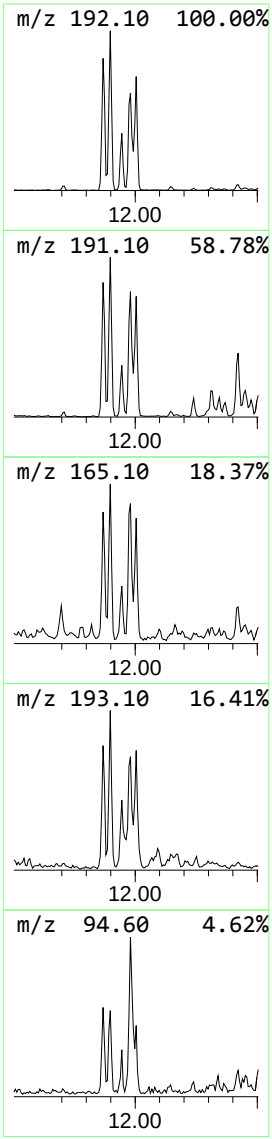
****

Peak Number 10 Anthracene, 9-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.004	9.46 ng	685282	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
Data File : BF126028.D
Acq On : 3 Nov 2021 19:52
Operator : JU/CG
Sample : M4411-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-HHS

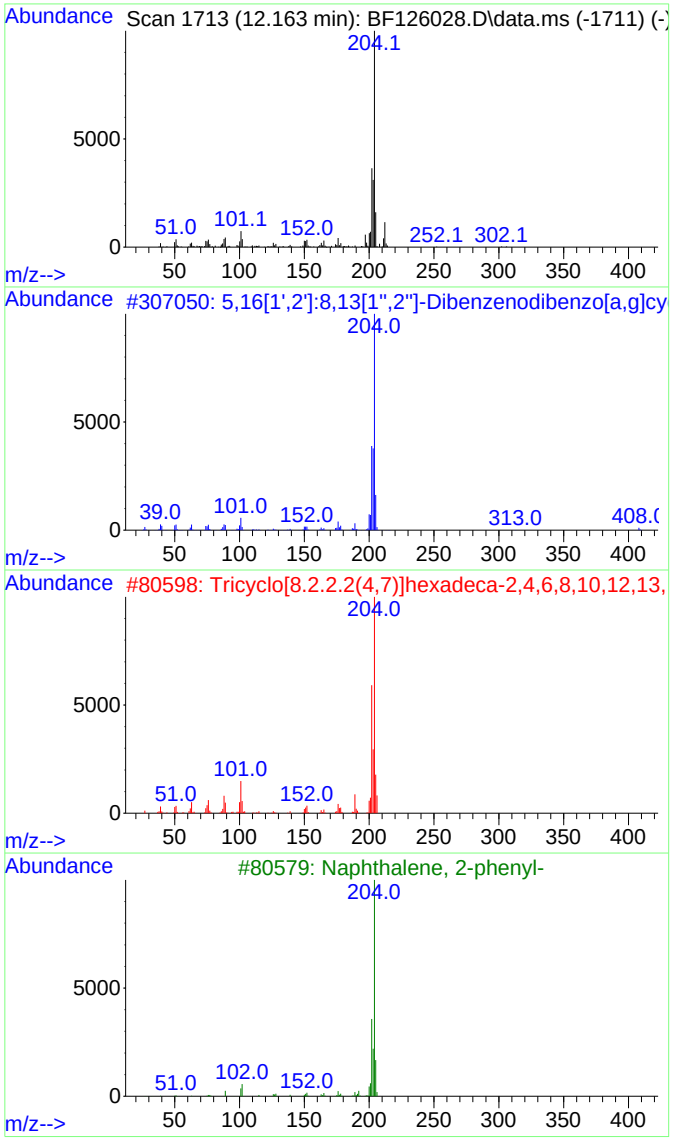
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

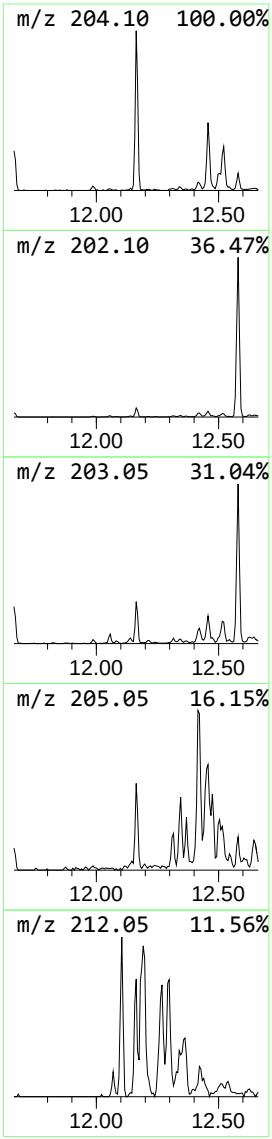
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.163	4.40 ng	318468	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	53
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
Data File : BF126028.D
Acq On : 3 Nov 2021 19:52
Operator : JU/CG
Sample : M4411-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-HHS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

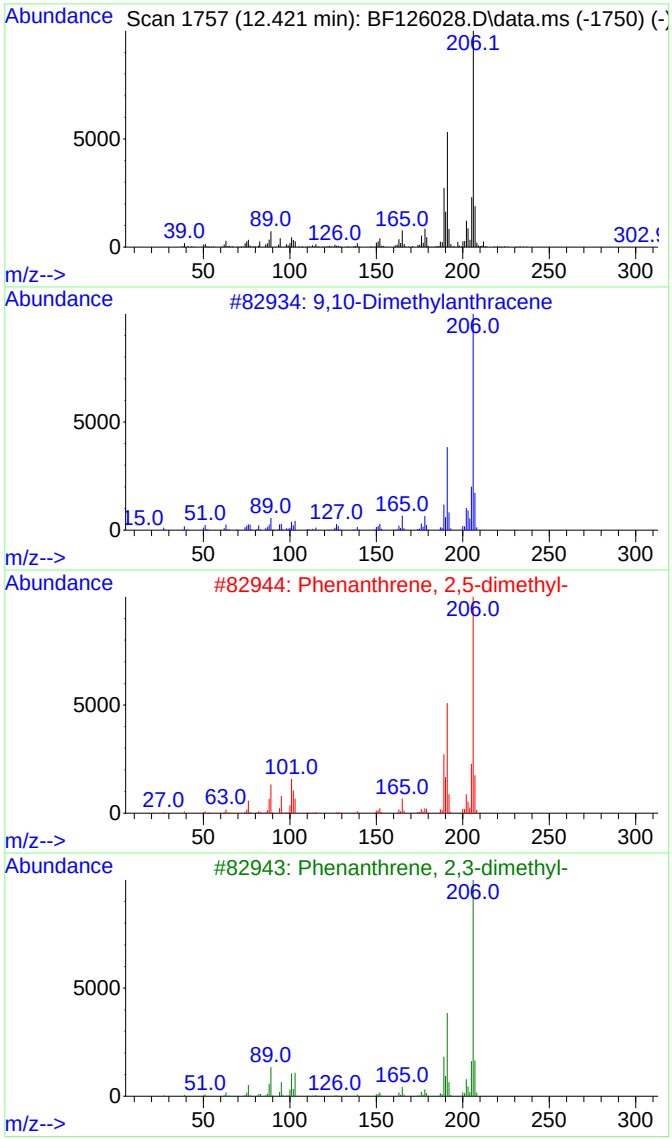
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

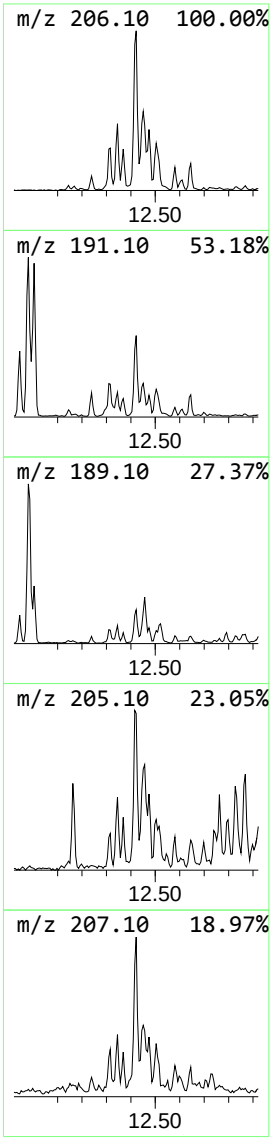
****

Peak Number 12 9,10-Dimethylanthracene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.422	10.06 ng	728844	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
Data File : BF126028.D
Acq On : 3 Nov 2021 19:52
Operator : JU/CG
Sample : M4411-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-HHS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

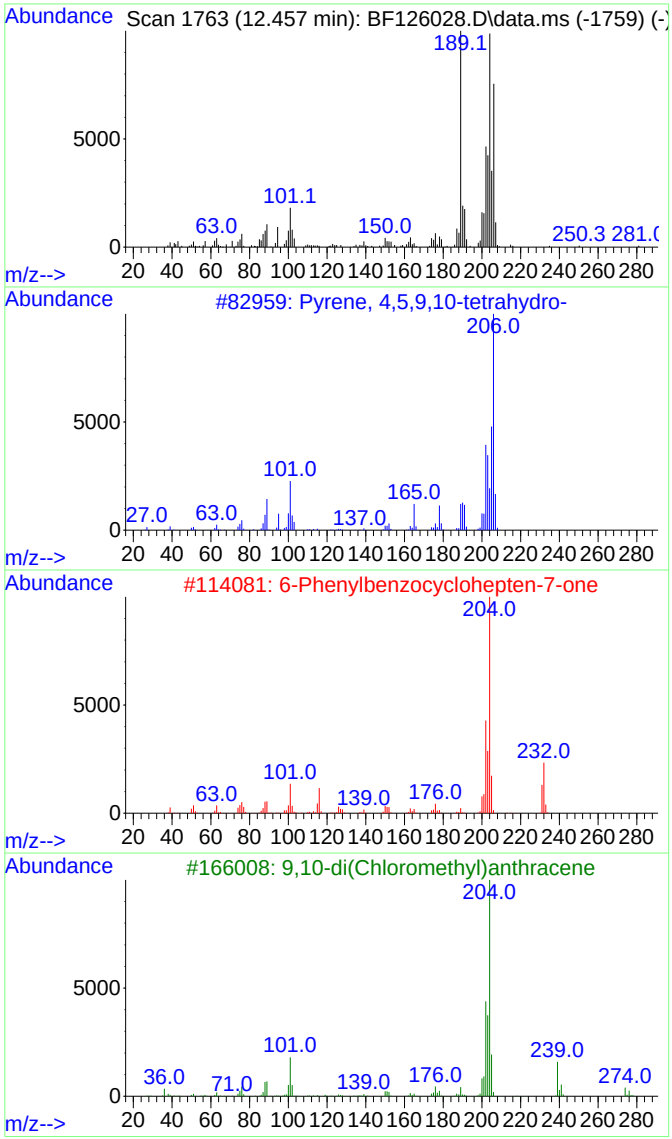
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

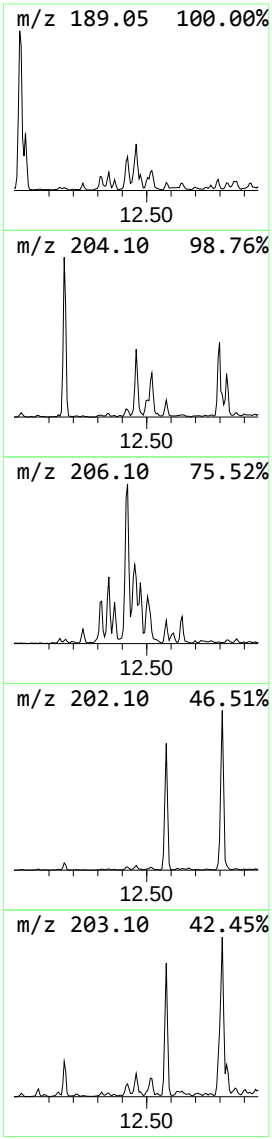
****

Peak Number 13 unknown12.457 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.457	9.21 ng	666759	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	47
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	43
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	43
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
Data File : BF126028.D
Acq On : 3 Nov 2021 19:52
Operator : JU/CG
Sample : M4411-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-HHS

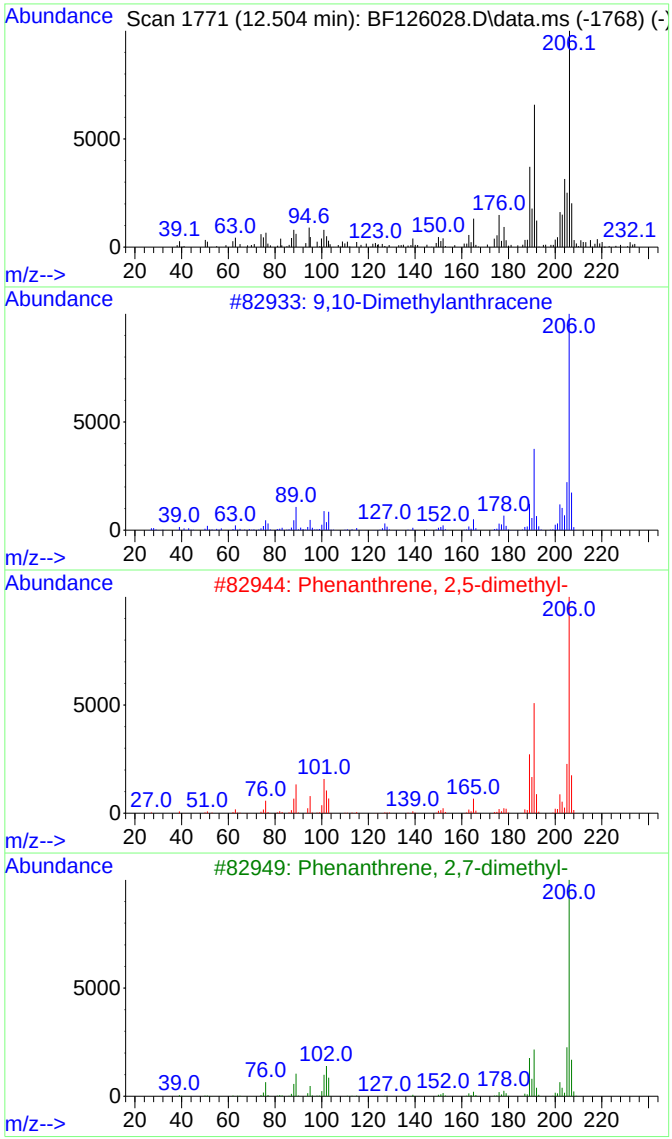
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

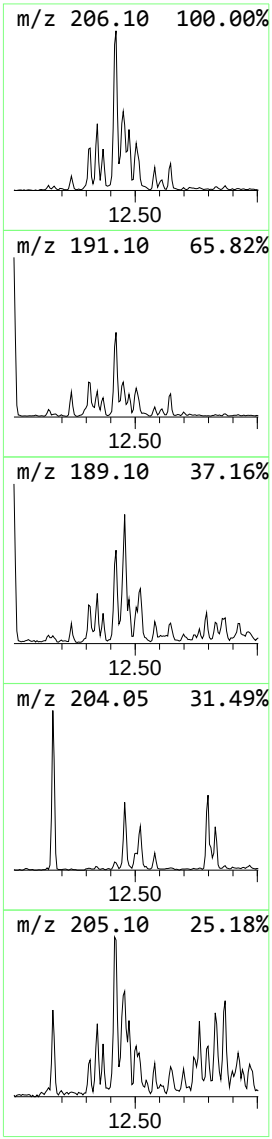
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.504	5.31 ng	384817	Phenanthrene-d10	11.369

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	83
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	81
5	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
Data File : BF126028.D
Acq On : 3 Nov 2021 19:52
Operator : JU/CG
Sample : M4411-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-HHS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

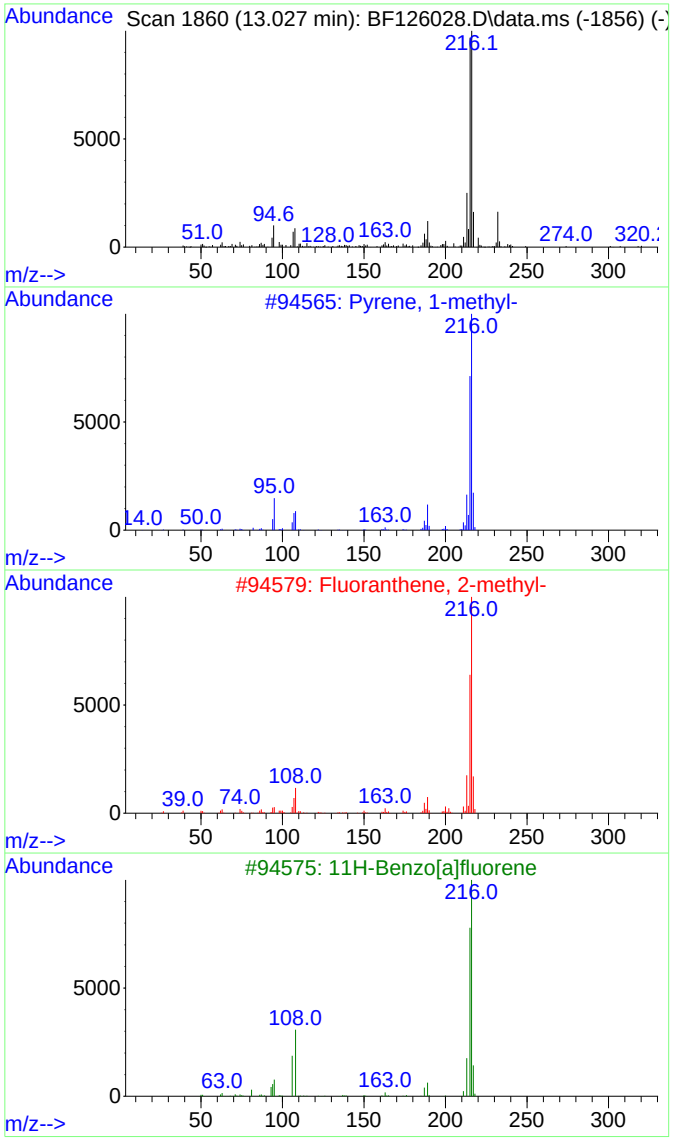
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

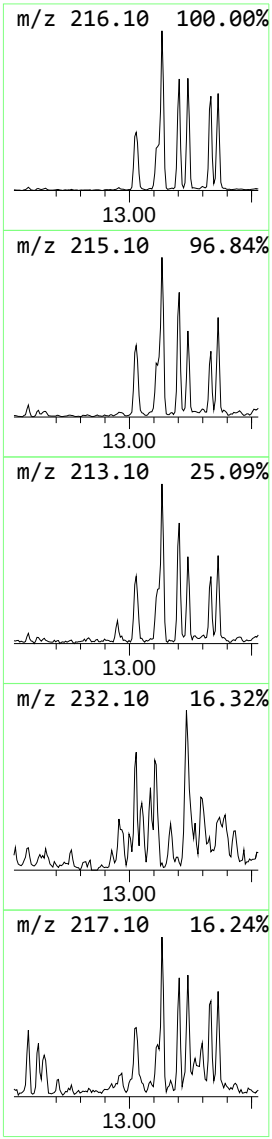
****

Peak Number 15 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.027	4.99 ng	419959	Chrysene-d12	14.004

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
Data File : BF126028.D
Acq On : 3 Nov 2021 19:52
Operator : JU/CG
Sample : M4411-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-HHS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

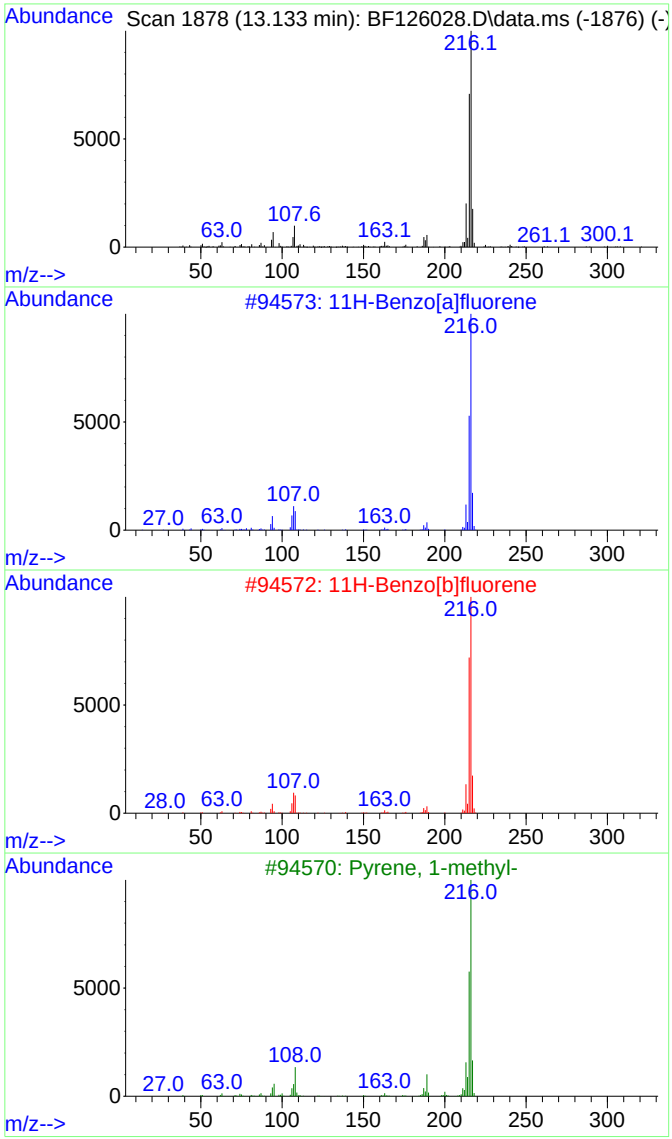
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

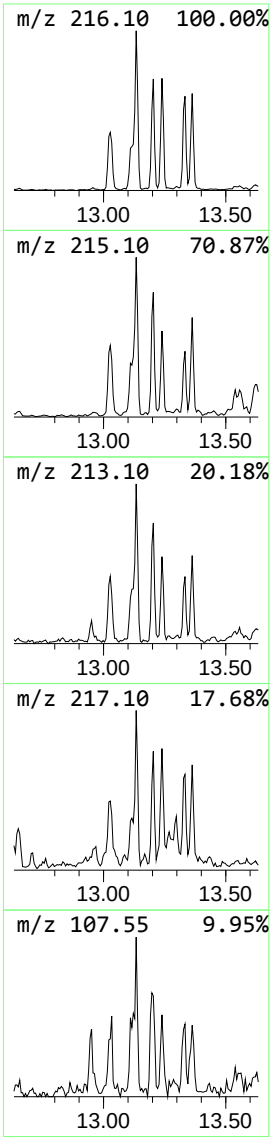
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.133	5.85 ng	491891	Chrysene-d12	14.004

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
Data File : BF126028.D
Acq On : 3 Nov 2021 19:52
Operator : JU/CG
Sample : M4411-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-HHS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

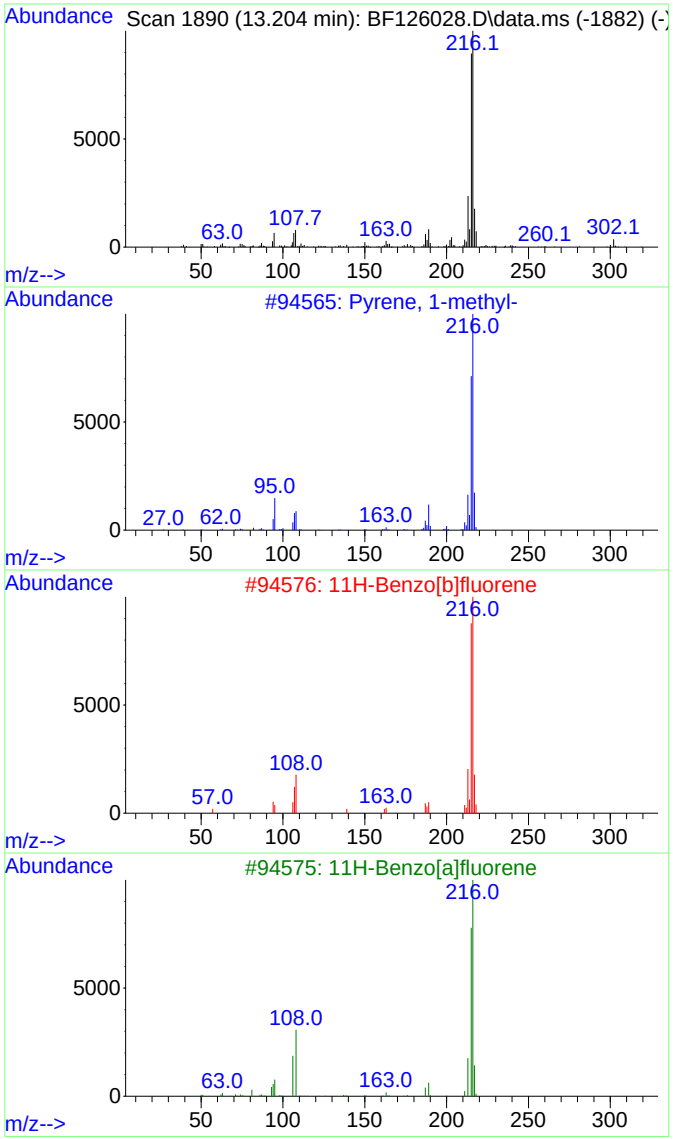
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

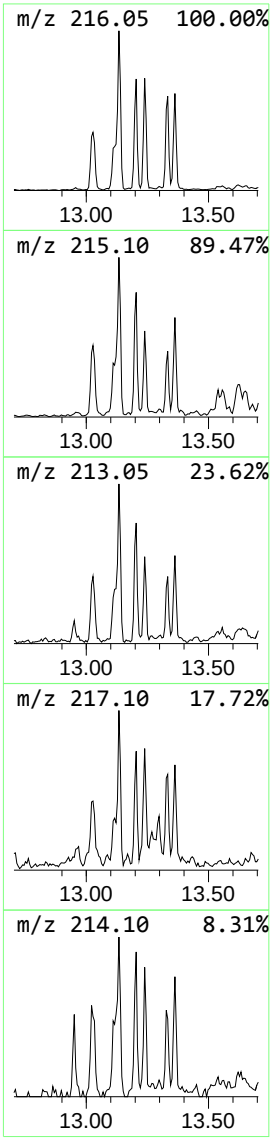
****

Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.204	6.50 ng	546861	Chrysene-d12	14.004

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
Data File : BF126028.D
Acq On : 3 Nov 2021 19:52
Operator : JU/CG
Sample : M4411-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-HHS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

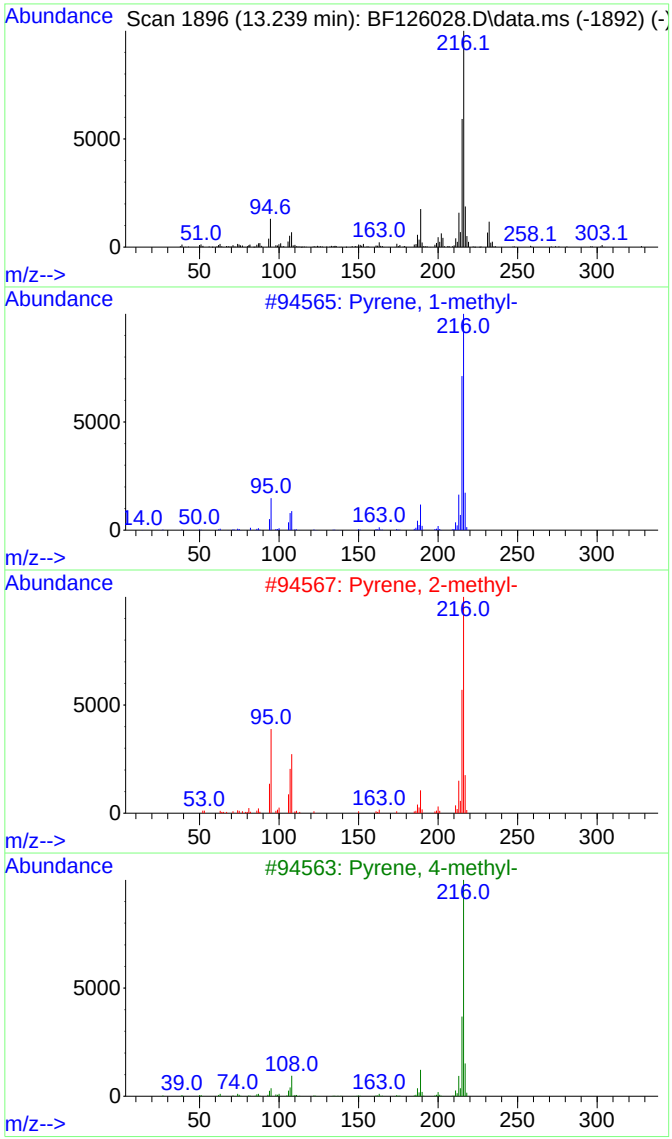
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

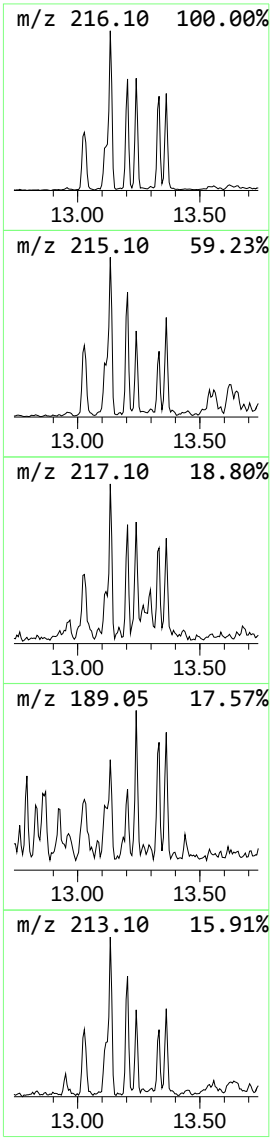
****

Peak Number 18 Pyrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.239	4.70 ng	395355	Chrysene-d12	14.004

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	89
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
Data File : BF126028.D
Acq On : 3 Nov 2021 19:52
Operator : JU/CG
Sample : M4411-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-HHS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

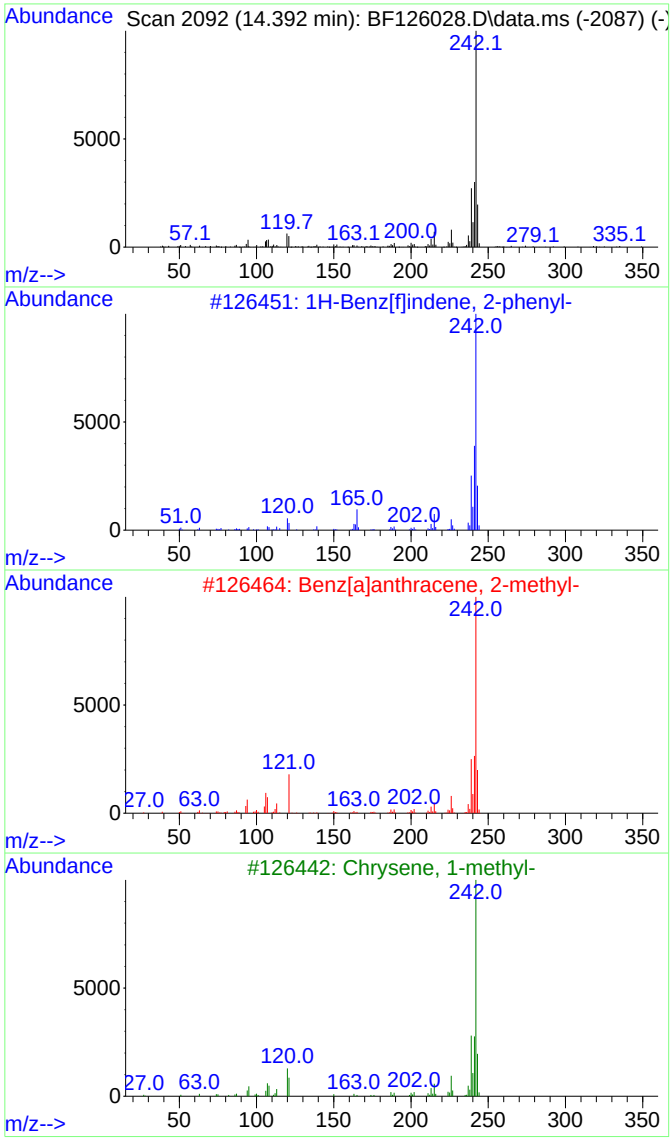
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

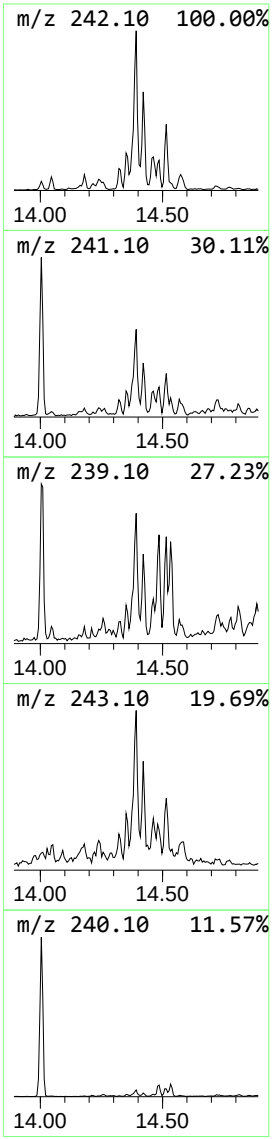
****

Peak Number 19 1H-Benz[f]indene, 2-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.392	4.35 ng	365343	Chrysene-d12	14.004

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	96
2	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	95
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	95
4	2-Methylchrysene	242	C19H14	003351-32-4	95
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
Data File : BF126028.D
Acq On : 3 Nov 2021 19:52
Operator : JU/CG
Sample : M4411-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-HHS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.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,...	9.475	4.2	ng	348258	3	9.886	1652380	20.0
Naphthalene, 1,...	9.545	6.4	ng	528006	3	9.886	1652380	20.0
1-Isopropenylna...	10.498	4.0	ng	329397	3	9.886	1652380	20.0
9H-Fluorene, 2-...	10.975	6.8	ng	493590	4	11.369	1448650	20.0
9H-Fluorene, 9-...	11.004	4.4	ng	319534	4	11.369	1448650	20.0
Phenanthrene, 2...	11.869	12.8	ng	925744	4	11.369	1448650	20.0
Phenanthrene, 1...	11.898	12.6	ng	910123	4	11.369	1448650	20.0
Anthracene, 1-m...	11.945	5.4	ng	392319	4	11.369	1448650	20.0
4H-Cyclopenta[d...	11.980	18.2	ng	1321320	4	11.369	1448650	20.0
Anthracene, 9-m...	12.004	9.5	ng	685282	4	11.369	1448650	20.0
5,16[1',2']:8,1...	12.163	4.4	ng	318468	4	11.369	1448650	20.0
9,10-Dimethylan...	12.422	10.1	ng	728844	4	11.369	1448650	20.0
unknown12.457	12.457	9.2	ng	666759	4	11.369	1448650	20.0
Phenanthrene, 2...	12.504	5.3	ng	384817	4	11.369	1448650	20.0
Pyrene, 1-methyl-	13.027	5.0	ng	419959	5	14.004	1681650	20.0
11H-Benzo[a]flu...	13.133	5.8	ng	491891	5	14.004	1681650	20.0
11H-Benzo[b]flu...	13.204	6.5	ng	546861	5	14.004	1681650	20.0
Pyrene, 2-methyl-	13.239	4.7	ng	395355	5	14.004	1681650	20.0
1H-Benz[f]inden...	14.392	4.3	ng	365343	5	14.004	1681650	20.0