LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121112.D
Acq On : 29 Jul 2020 20:30
Operator : JU/CG
Sample : L3436-18 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 18

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-BF071620.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.804	288	292	297	rVB	14269	19409	1.04%	0.081%
2	5.416	562	566	575	rVB	539964	489076	26.19%	2.045%
3	5.628	597	602	613	rVB3	13791	20318	1.09%	0.085%
4	6.439	737	740	755	rBV	535990	499749	26.77%	2.090%
5	6.639	770	774	779	rBV3	29979	38138	2.04%	0.159%
6	6.804	798	802	809	rVB	1111463	878522	47.05%	3.674%
7	7.063	843	846	853	rBV3	23899	32549	1.74%	0.136%
8	7.363	894	897	902	rVB	366073	282808	15.15%	1.183%
9	8.086	1015	1020	1023	rBV	1292022	1136210	60.85%	4.751%
10	8.110	1023	1024	1027	rVV	110908	60235	3.23%	0.252%
11	8.151	1027	1031	1033	rVB3	15982	22183	1.19%	0.093%
12	8.510	1089	1092	1094	rBV	25562	21362	1.14%	0.089%
13	8.592	1103	1106	1109	rBV2	19539	19379	1.04%	0.081%
14	8.680	1118	1121	1124	rBV2	35841	33244	1.78%	0.139%
15	8.798	1139	1141	1144	rVB	77710	59567	3.19%	0.249%
16	8.898	1155	1158	1162	rBV2	80322	70029	3.75%	0.293%
17	9.110	1191	1194	1199	rBV3	44315	45694	2.45%	0.191%
18	9.163	1199	1203	1208	rVV	723725	635119	34.02%	2.656%
19	9.245	1213	1217	1219	rBV	66501	70711	3.79%	0.296%
20	9.357	1234	1236	1242	rVB2	28265	32945	1.76%	0.138%
21	9.422	1242	1247	1251	rBV2	61553	94629	5.07%	0.396%
22	9.498	1258	1260	1263	rBV	91387	82337	4.41%	0.344%
23	9.527	1263	1265	1267	rVV	52988	42075	2.25%	0.176%
24	9.557	1267	1270	1274	rVV2	172204	197657	10.59%	0.827%
25	9.616	1277	1280	1285	rVB	62626	71898	3.85%	0.301%
26	9.704	1292	1295	1299	rBV	155521	153683	8.23%	0.643%
27	9.751	1301	1303	1305	rVV2	43574	41808	2.24%	0.175%
28	9.775	1305	1307	1312	rVV	62895	61154	3.28%	0.256%
29	9.839	1312	1318	1321	rVV	1372612	1210758	64.85%	5.063%
30	9.875	1321	1324	1327	rVV	160095	150577	8.06%	0.630%
31	9.904	1327	1329	1333	rVB5	29152	31002	1.66%	0.130%
32	9.945	1333	1336	1340	rBV2	44403	53398	2.86%	0.223%
33	9.998	1341	1345	1347	rBV2	24434	34155	1.83%	0.143%
34	10.045	1349	1353	1357	rVV	114440	127260	6.82%	0.532%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121112.D
Acq On : 29 Jul 2020 20:30
Operator : JU/CG
Sample : L3436-18 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 18

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-BF071620.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.080	1357	1359	1369	rVB3	56486	70564	3.78%	0.295%
36	10.157	1369	1372	1374	rBV2	71802	72549	3.89%	0.303%
37	10.186	1374	1377	1379	rVV	48582	44125	2.36%	0.185%
38	10.245	1383	1387	1389	rBV3	55176	68861	3.69%	0.288%
39	10.269	1389	1391	1393	rVV2	79696	66069	3.54%	0.276%
40	10.292	1393	1395	1398	rVV	33005	29321	1.57%	0.123%
41	10.339	1398	1403	1405	rVV4	29548	39356	2.11%	0.165%
42	10.386	1408	1411	1417	rVV	185476	194259	10.40%	0.812%
43	10.451	1417	1422	1424	rVV2	46514	59255	3.17%	0.248%
44	10.474	1424	1426	1427	rVV2	39213	35817	1.92%	0.150%
45	10.492	1427	1429	1433	rVV2	68588	86788	4.65%	0.363%
46	10.545	1435	1438	1441	rVB2	57124	58074	3.11%	0.243%
47	10.627	1447	1452	1456	rBV	411713	373480	20.00%	1.562%
48	10.757	1469	1474	1480	rVB2	142341	204770	10.97%	0.856%
49	10.933	1500	1504	1507	rBV2	73809	91899	4.92%	0.384%
50	10.963	1507	1509	1512	rVV2	69304	66813	3.58%	0.279%
51	11.016	1516	1518	1522	rVB3	45476	42506	2.28%	0.178%
52	11.086	1528	1530	1535	rVB3	42356	39089	2.09%	0.163%
53	11.133	1535	1538	1541	rVB2	51511	49853	2.67%	0.208%
54	11.192	1542	1548	1550	rVV2	77916	104449	5.59%	0.437%
55	11.221	1550	1553	1558	rVB	159846	161348	8.64%	0.675%
56	11.327	1567	1571	1573	rBV	1247749	1105526	59.21%	4.623%
57	11.351	1573	1575	1578	rVV	1022521	789029	42.26%	3.300%
58	11.398	1581	1583	1586	rVB	355739	292599	15.67%	1.224%
59	11.439	1586	1590	1592	rBV2	54382	68514	3.67%	0.287%
60	11.557	1607	1610	1616	rBV	66674	81173	4.35%	0.339%
61	11.621	1618	1621	1623	rVV	91173	75393	4.04%	0.315%
62	11.657	1624	1627	1632	rVB2	73215	78292	4.19%	0.327%
63	11.827	1653	1656	1658	rBV	213254	178094	9.54%	0.745%
64	11.857	1658	1661	1664	rVV	268197	242616	12.99%	1.015%
65	11.904	1666	1669	1671	rVV	123435	115300	6.18%	0.482%
66	11.939	1671	1675	1677	rVV2	390188	402922	21.58%	1.685%
67	11.963	1677	1679	1683	rVB	170914	146062	7.82%	0.611%
68	12.027	1688	1690	1693	rVV2	65053	53016	2.84%	0.222%
69	12.063	1693	1696	1698	rVB2	39030	32475	1.74%	0.136%
70	12.121	1703	1706	1708	rVV	143663	125339	6.71%	0.524%
71	12.145	1708	1710	1714	rVB3	63079	73512	3.94%	0.307%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121112.D
Acq On : 29 Jul 2020 20:30
Operator : JU/CG
Sample : L3436-18 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 18

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-BF071620.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.251	1726	1728	1730	rBV	47330	49859	2.67%	0.209%
73	12.268	1730	1731	1734	rVV	65179	52177	2.79%	0.218%
74	12.304	1734	1737	1739	rVV	116717	113758	6.09%	0.476%
75	12.327	1739	1741	1743	rVB	67733	52502	2.81%	0.220%
76	12.374	1746	1749	1752	rBV	183666	192867	10.33%	0.807%
77	12.421	1752	1757	1761	rVB3	219242	391921	20.99%	1.639%
78	12.463	1761	1764	1768	rBV2	116070	133364	7.14%	0.558%
79	12.539	1773	1777	1780	rVB	1694503	1398291	74.89%	5.847%
80	12.633	1790	1793	1796	rBV2	93425	85365	4.57%	0.357%
81	12.692	1800	1803	1806	rBV3	68152	75929	4.07%	0.318%
82	12.768	1810	1816	1819	rBV	1626106	1717523	91.99%	7.182%
83	12.886	1833	1836	1837	rBV2	73973	64244	3.44%	0.269%
84	12.910	1837	1840	1847	rVB	674265	677505	36.29%	2.833%
85	12.986	1850	1853	1856	rVB2	81615	111657	5.98%	0.467%
86	13.074	1865	1868	1869	rBV3	93816	109831	5.88%	0.459%
87	13.092	1869	1871	1875	rVB	307532	257987	13.82%	1.079%
88	13.157	1880	1882	1885	rVB	194840	182606	9.78%	0.764%
89	13.198	1886	1889	1892	rBV2	222740	206344	11.05%	0.863%
90	13.292	1902	1905	1907	rBV	125220	97270	5.21%	0.407%
91	13.321	1907	1910	1913	rBV	133305	136623	7.32%	0.571%
92	13.810	1991	1993	2001	rVB3	151047	171971	9.21%	0.719%
93	13.962	2014	2019	2022	rBV2	1330281	1867120	100.00%	7.808%
94	13.992	2022	2024	2026	rVB	687821	507488	27.18%	2.122%
95	14.998	2191	2195	2198	rBV	539141	824906	44.18%	3.450%
96	15.292	2243	2245	2251	rVB	333443	426312	22.83%	1.783%
97	15.351	2252	2255	2261	rVB	446713	600956	32.19%	2.513%
98	15.415	2263	2266	2269	rBV	605865	767549	41.11%	3.210%

Sum of corrected areas: 23912670

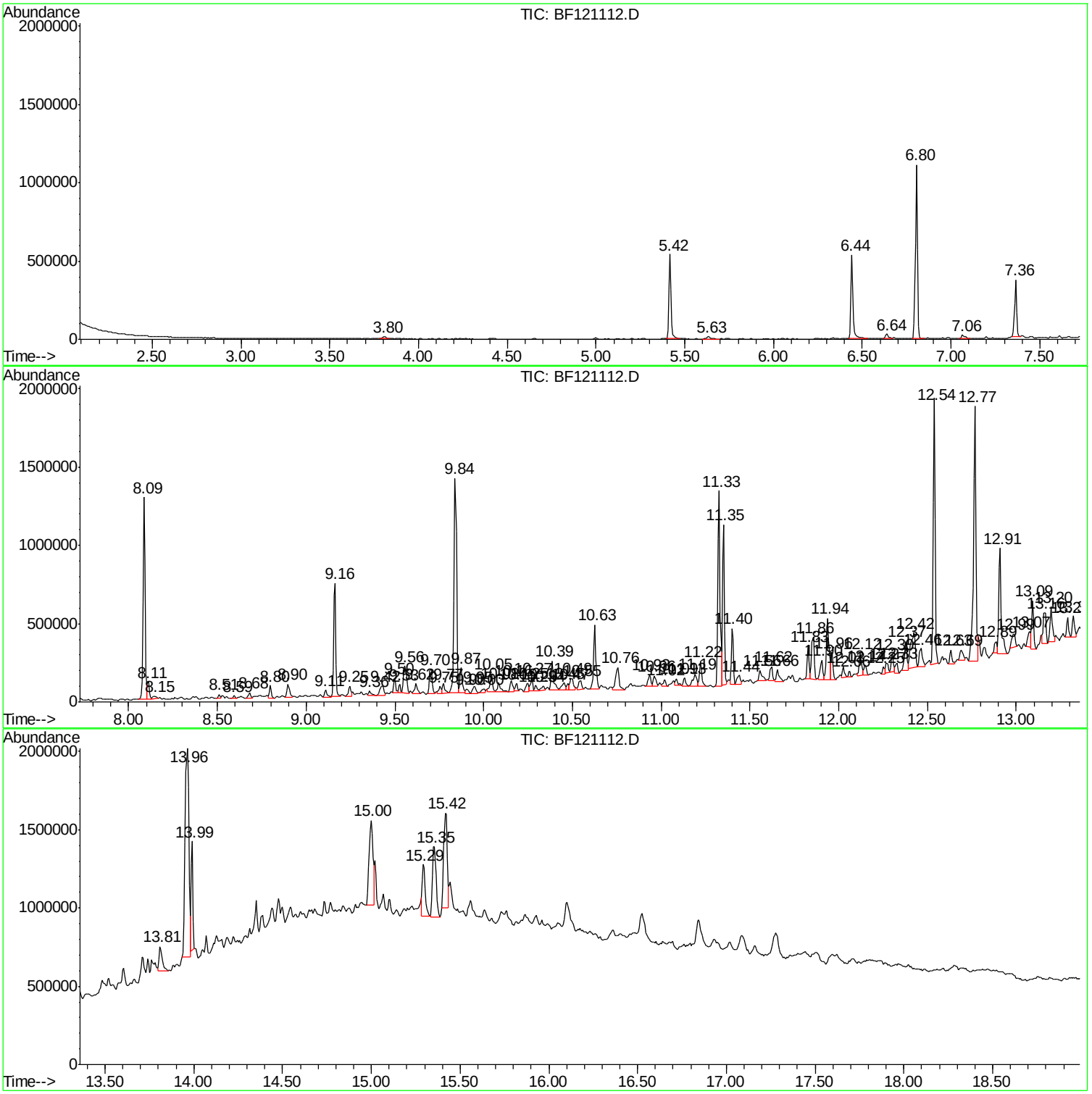
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121112.D
Acq On : 29 Jul 2020 20:30
Operator : JU/CG
Sample : L3436-18 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121112.D
Acq On : 29 Jul 2020 20:30
Operator : JU/CG
Sample : L3436-18 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

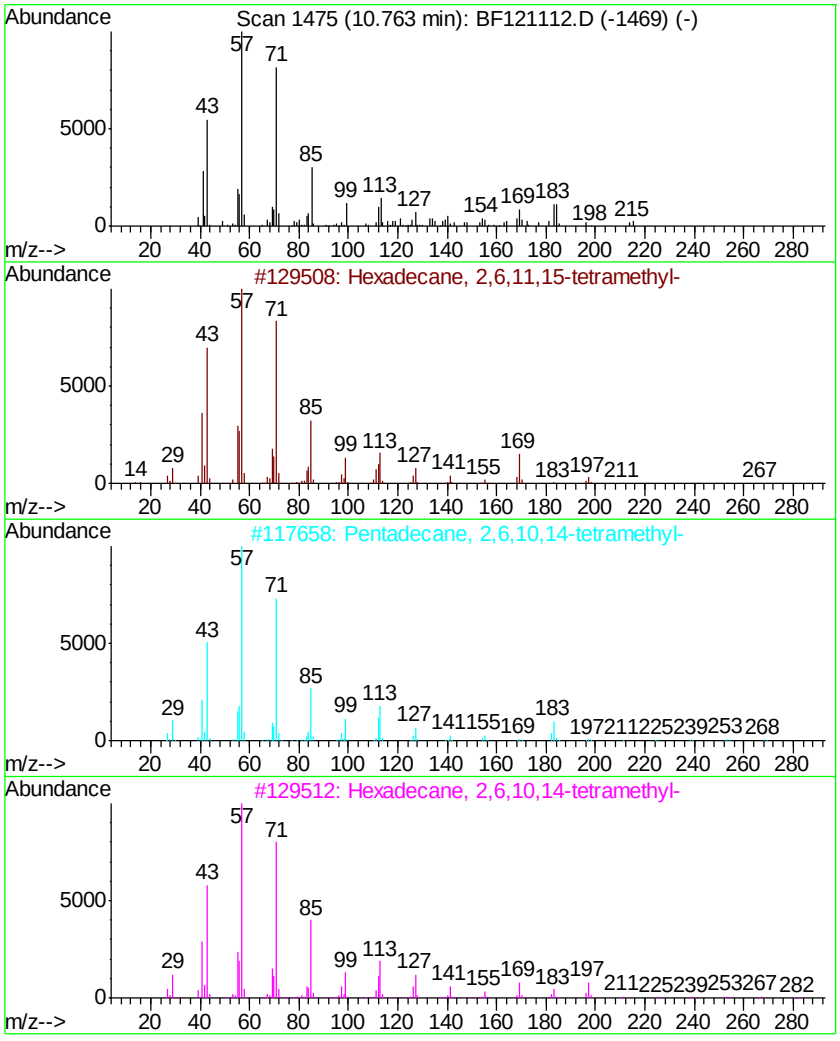
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

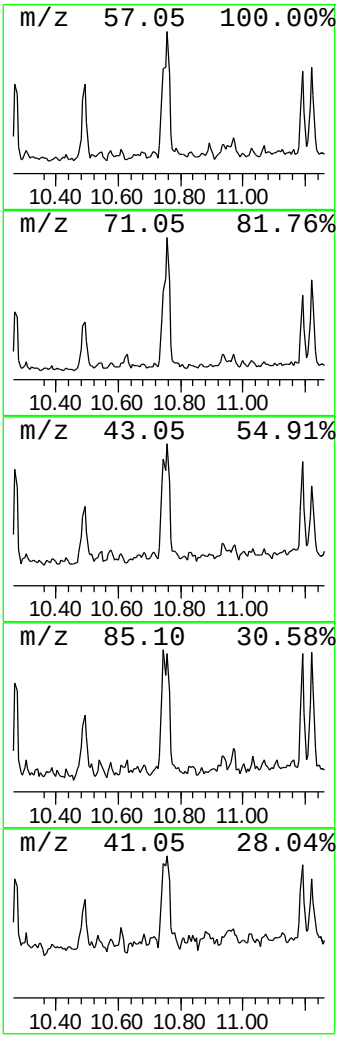
****

Peak Number 2 Hexadecane, 2,6,11,15-tetra... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	3.70 ng	204770	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	58
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	52
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	52
4	2-Bromo dodecane	248	C12H25Br	013187-99-0	47
5	Decane, 3-methyl-	156	C11H24	013151-34-3	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121112.D
Acq On : 29 Jul 2020 20:30
Operator : JU/CG
Sample : L3436-18 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

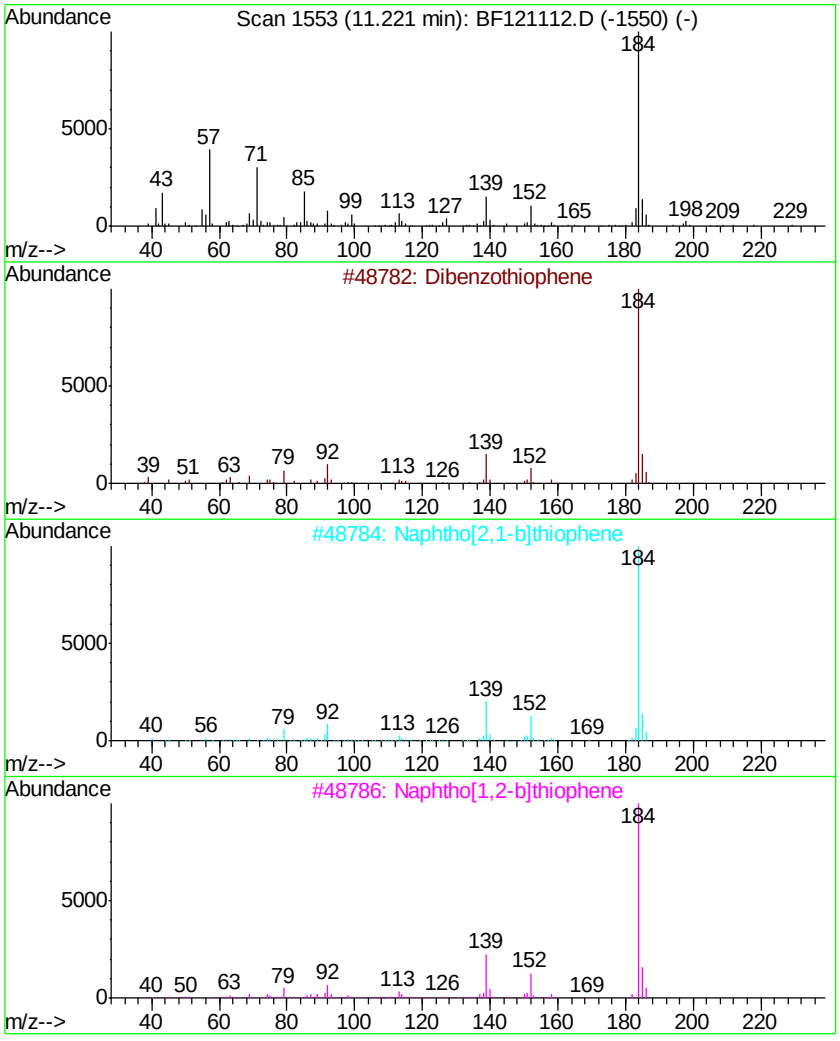
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

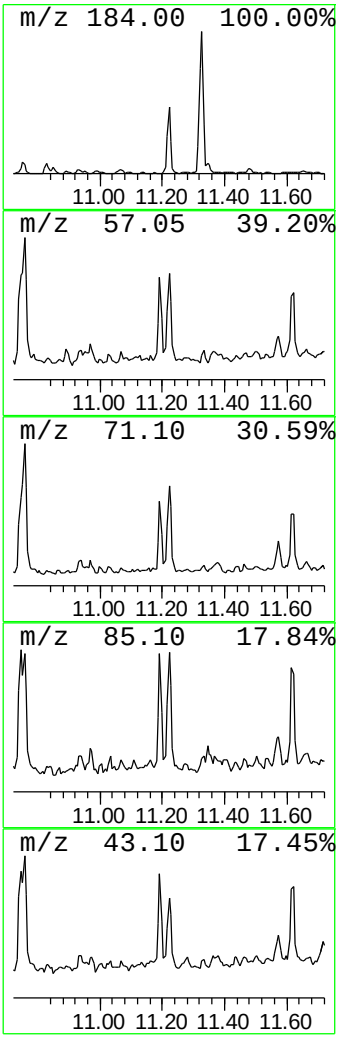
****

Peak Number 3 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	2.92 ng	161348	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	89
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	86
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	76
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	70





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121112.D
Acq On : 29 Jul 2020 20:30
Operator : JU/CG
Sample : L3436-18 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

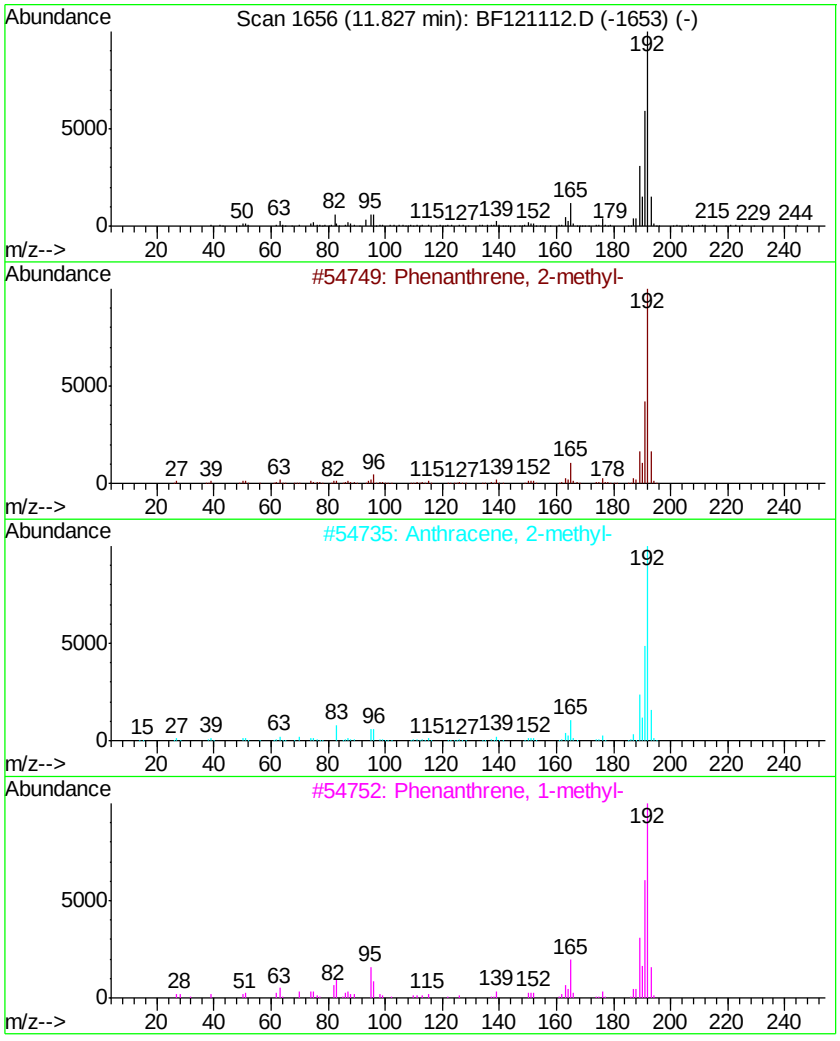
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

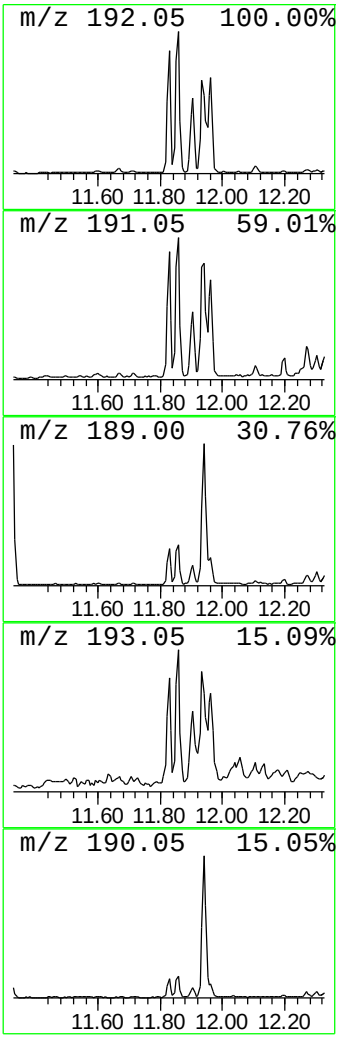
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	3.22 ng	178094	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	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\BF072920\
Data File : BF121112.D
Acq On : 29 Jul 2020 20:30
Operator : JU/CG
Sample : L3436-18 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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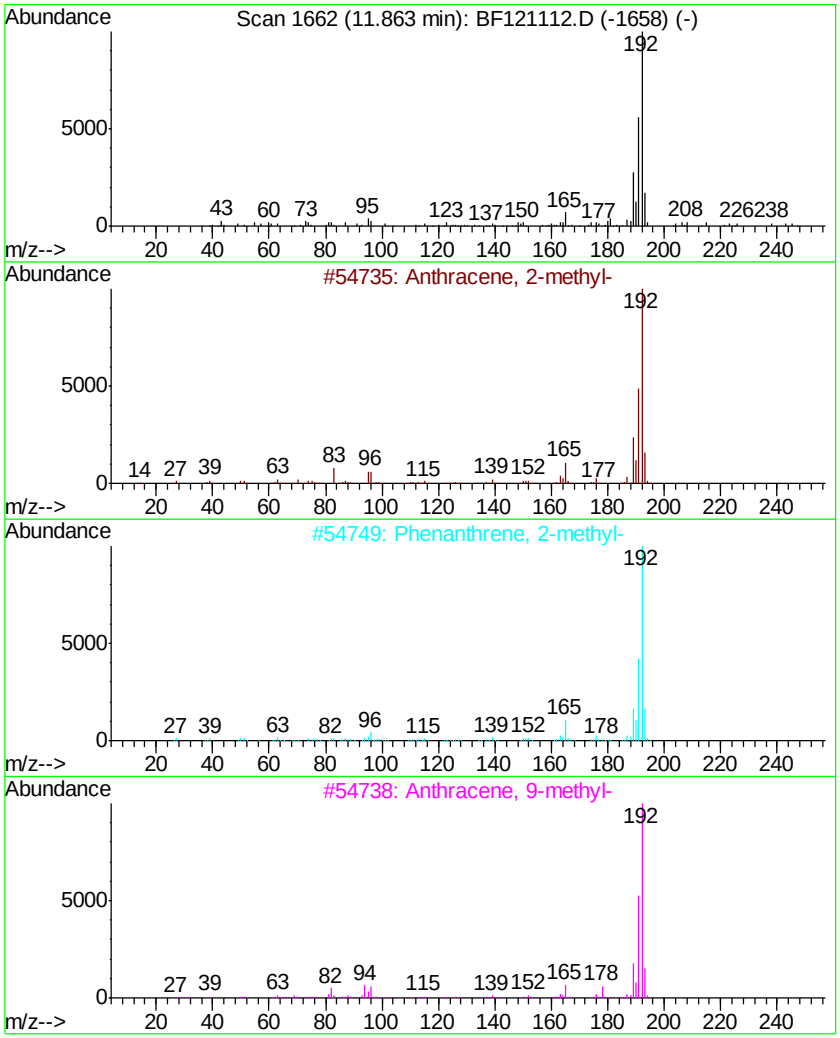
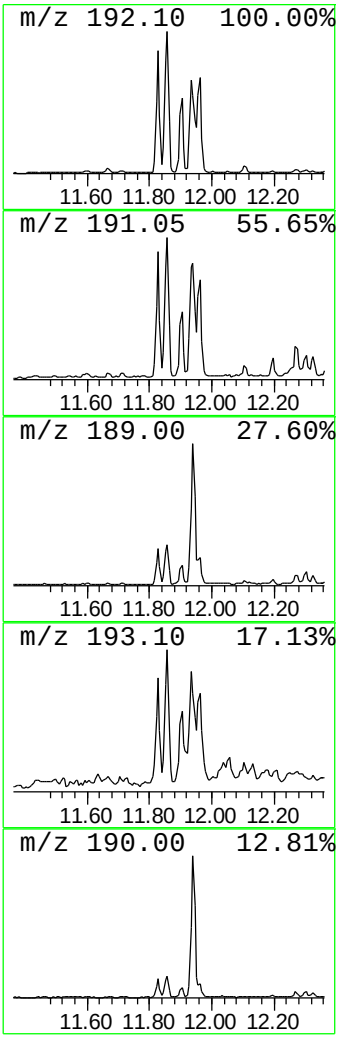
Peak Number 5 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	4.39 ng	242616	Phenanthrene-d10	11.33

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	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121112.D
Acq On : 29 Jul 2020 20:30
Operator : JU/CG
Sample : L3436-18 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

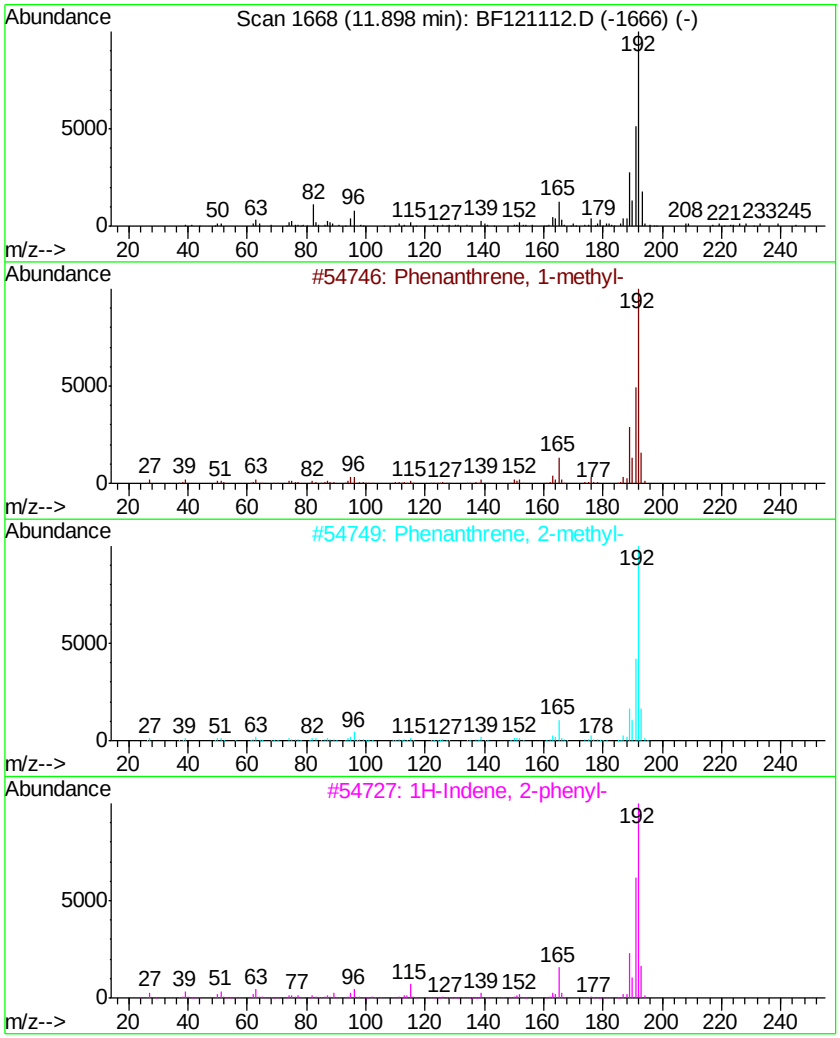
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

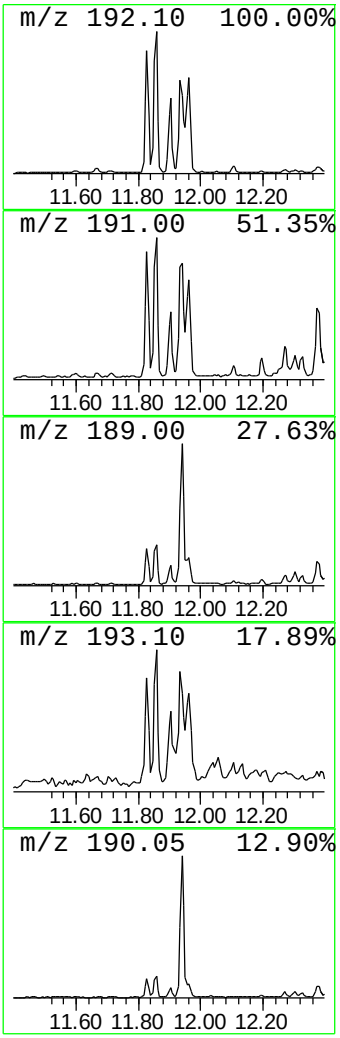
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	2.09 ng	115300	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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Acq On : 29 Jul 2020 20:30
Operator : JU/CG
Sample : L3436-18 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

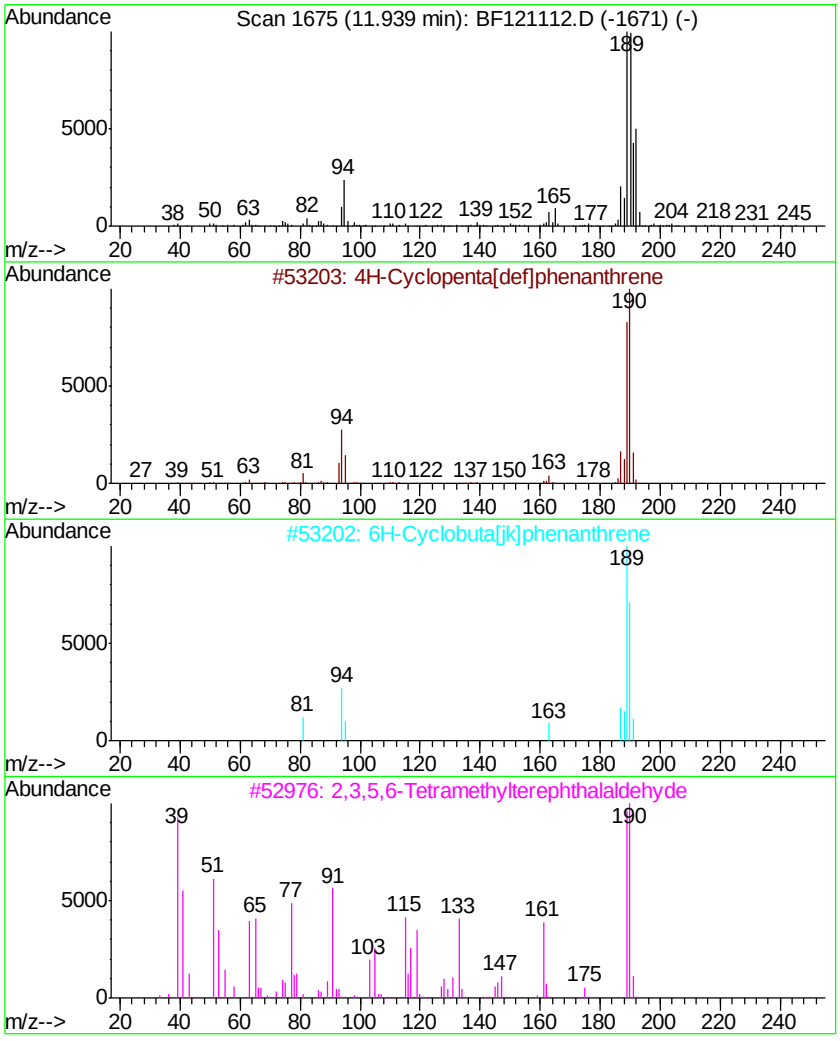
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

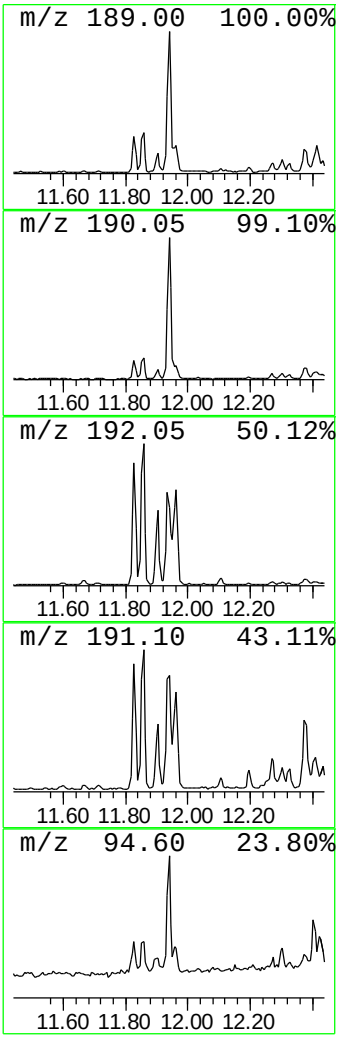
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	7.29 ng	402922	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	30
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18





Library Search Compound Report

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Data File : BF121112.D
Acq On : 29 Jul 2020 20:30
Operator : JU/CG
Sample : L3436-18 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

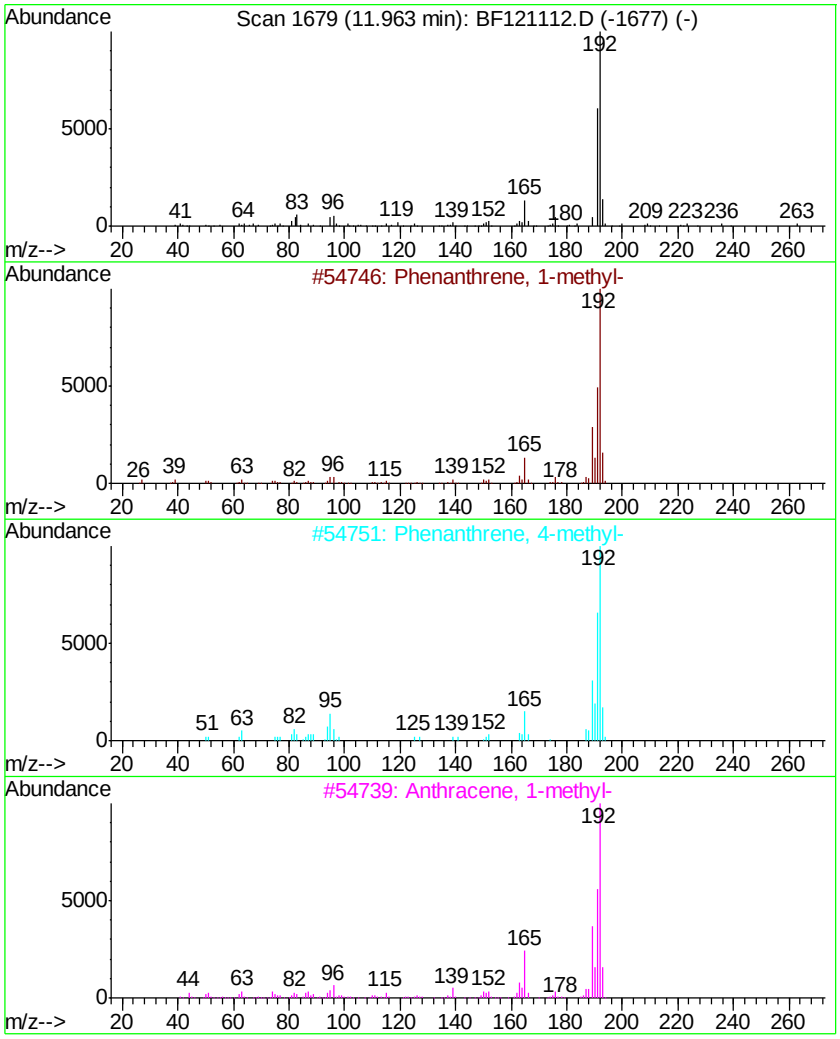
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

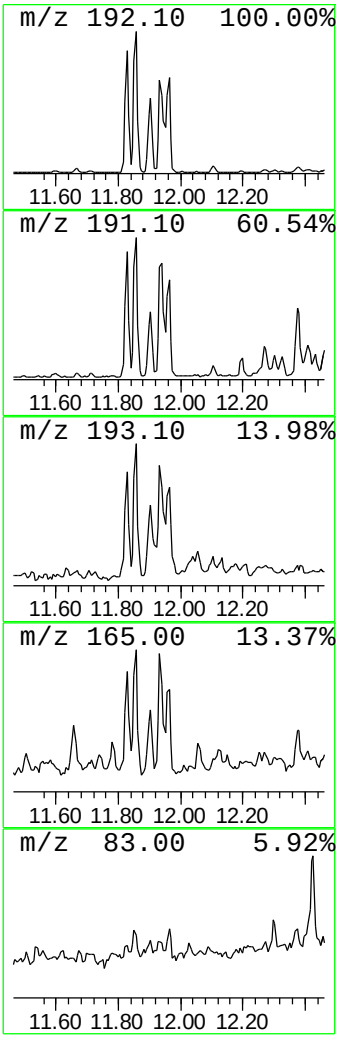
****

Peak Number 8 Phenanthrene, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	2.64 ng	146062	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90





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Acq On : 29 Jul 2020 20:30
Operator : JU/CG
Sample : L3436-18 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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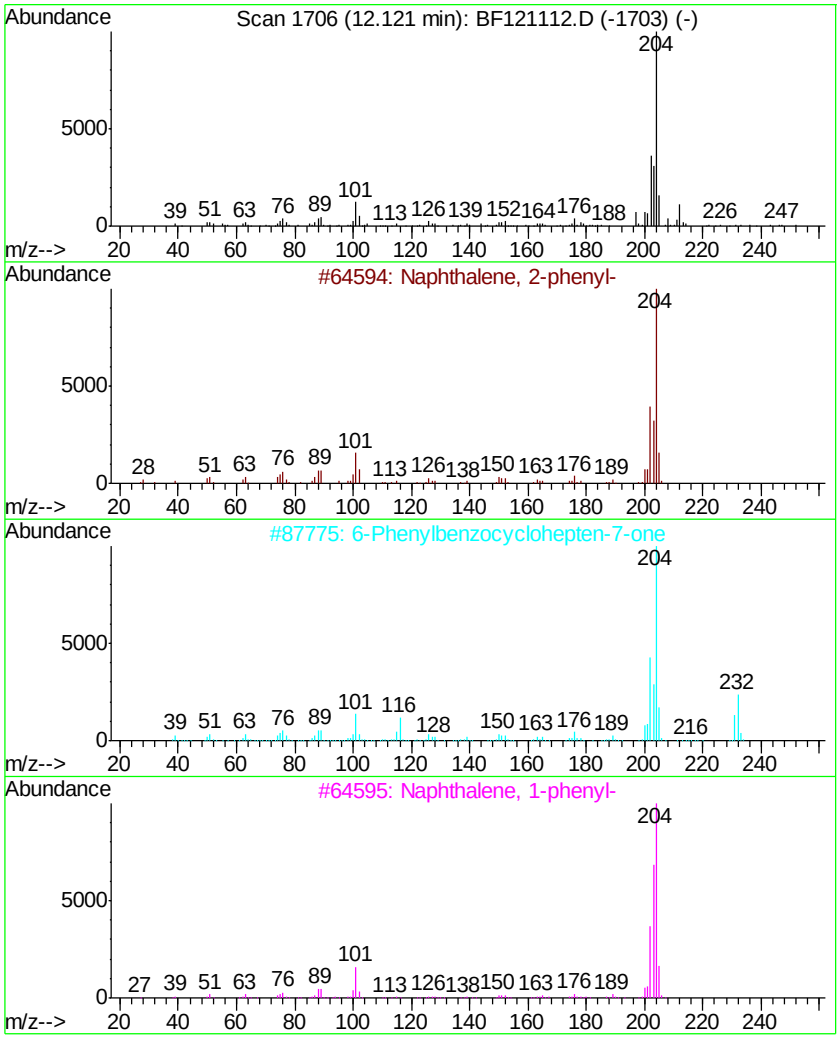
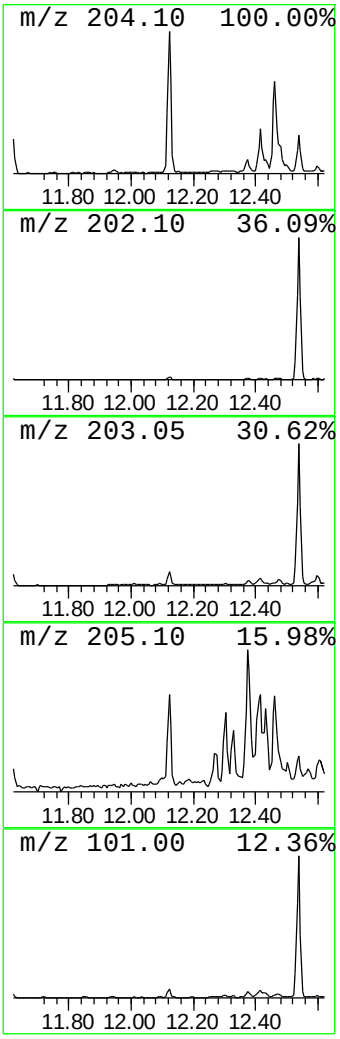
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	2.27 ng	125339	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	50





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Data File : BF121112.D
Acq On : 29 Jul 2020 20:30
Operator : JU/CG
Sample : L3436-18 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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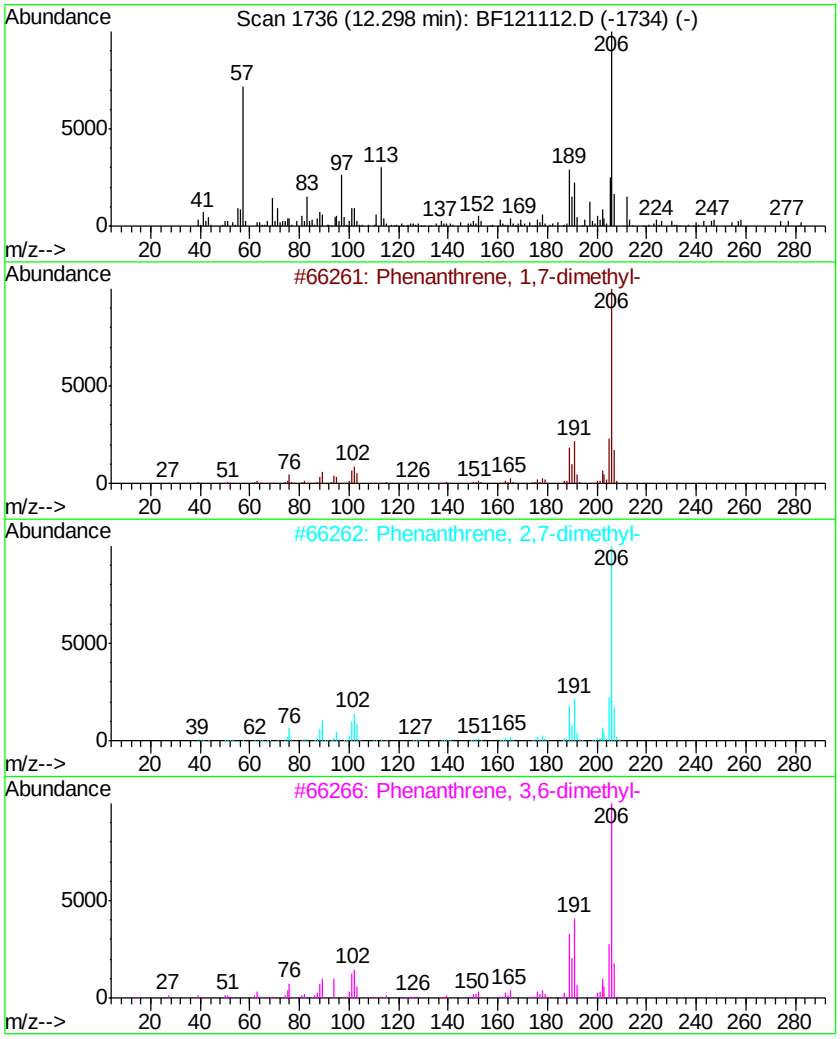
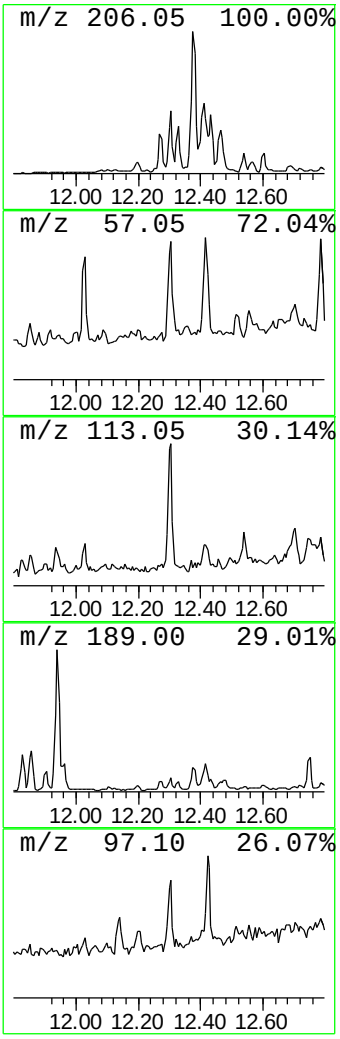
Peak Number 10 Phenanthrene, 1,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	2.06 ng	113758	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	70
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	70
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	64
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	58





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Acq On : 29 Jul 2020 20:30
Operator : JU/CG
Sample : L3436-18 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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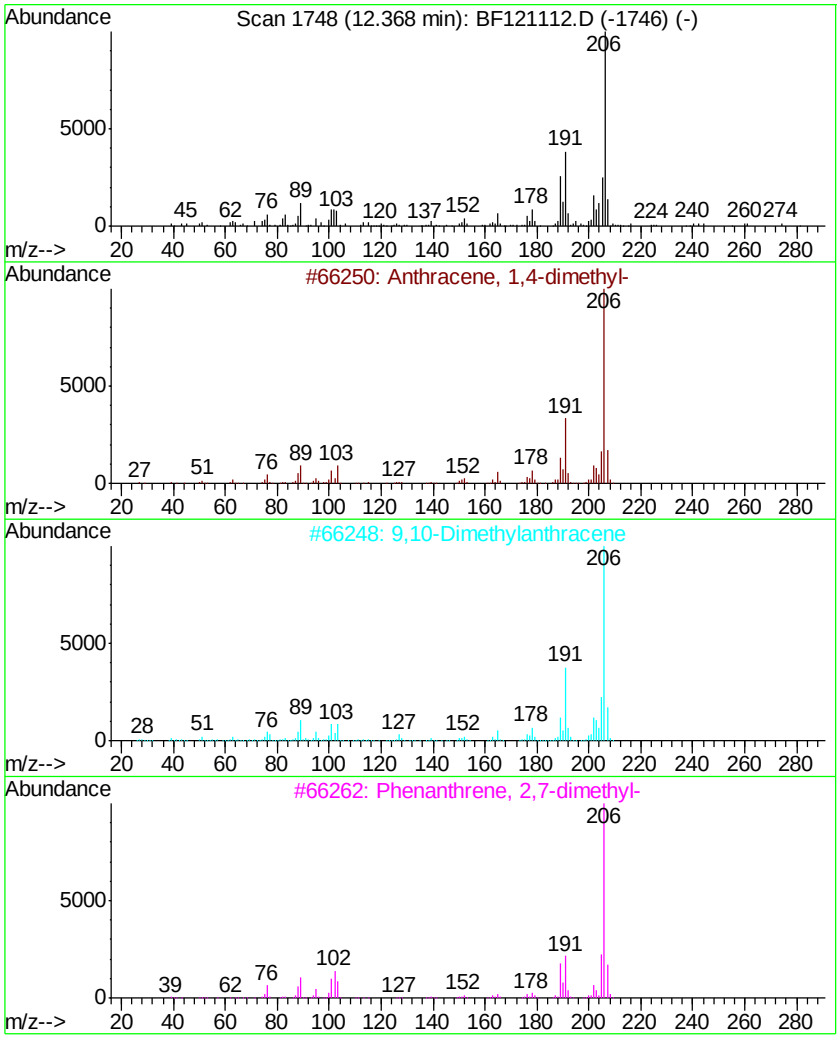
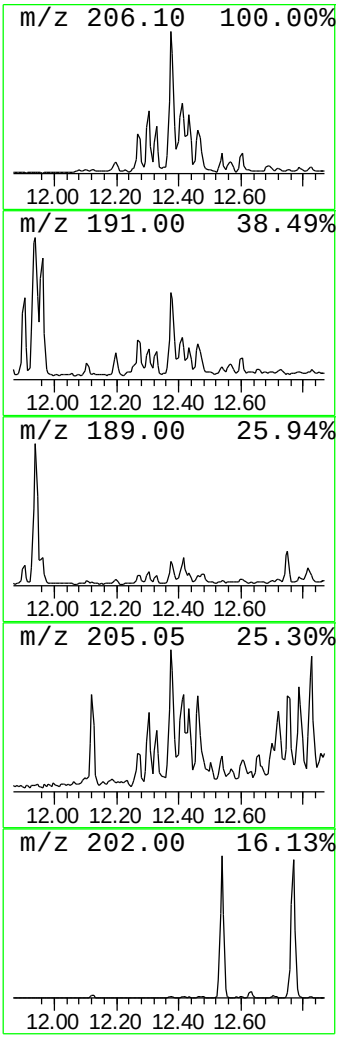
Peak Number 11 Anthracene, 1,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	3.49 ng	192867	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	83
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	81
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	80





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Data File : BF121112.D
Acq On : 29 Jul 2020 20:30
Operator : JU/CG
Sample : L3436-18 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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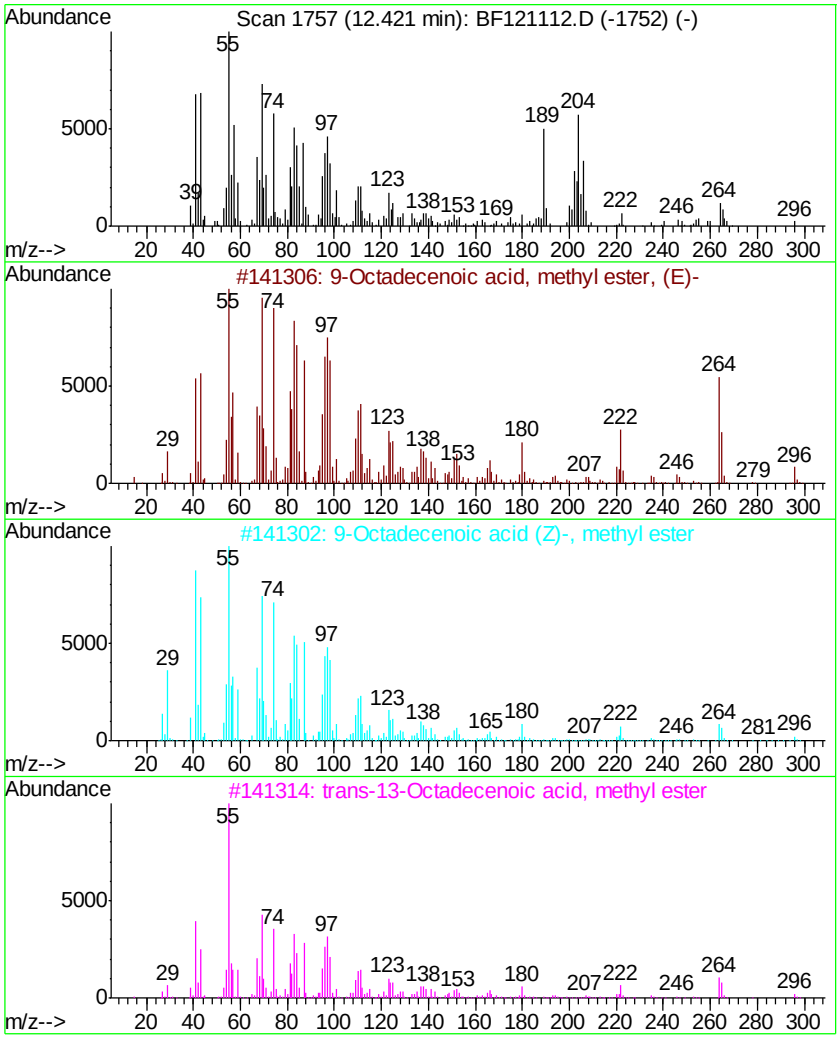
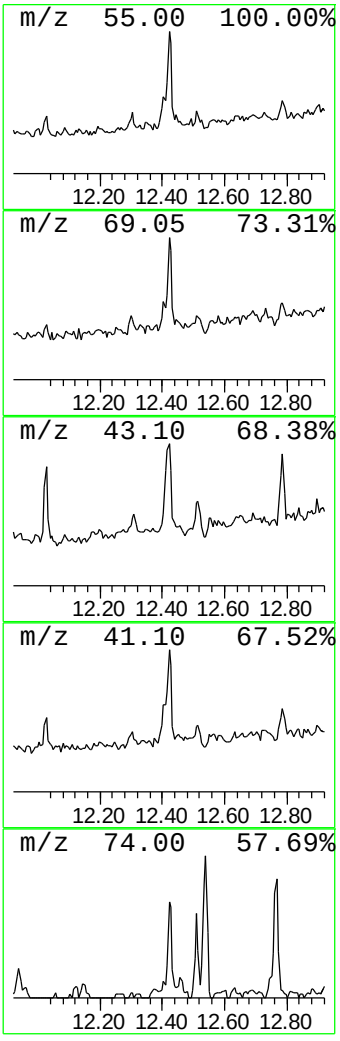
Peak Number 12 9-Octadecenoic acid, methyl... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	7.09 ng	391921	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	97
2	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	92
3	trans-13-Octadecenoic acid, meth...	296	C19H36O2	1000333-61-3	59
4	6-Octadecenoic acid, methyl este...	296	C19H36O2	002777-58-4	55
5	9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	41





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Data File : BF121112.D
Acq On : 29 Jul 2020 20:30
Operator : JU/CG
Sample : L3436-18 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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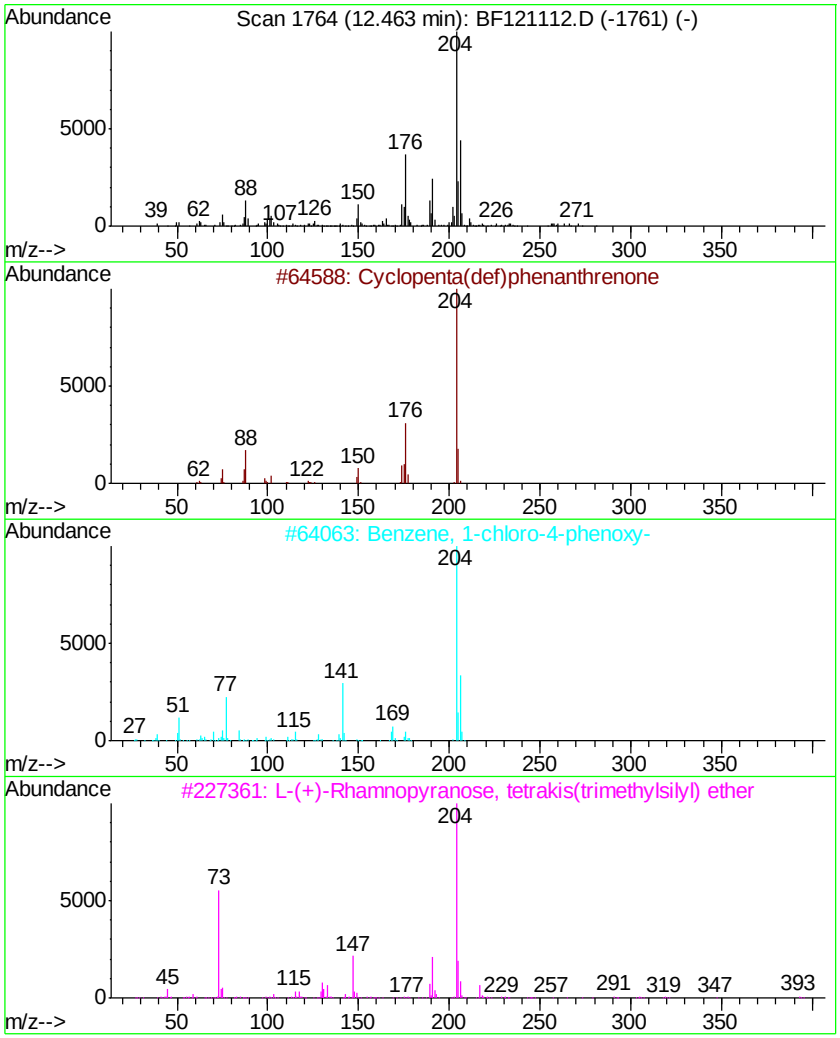
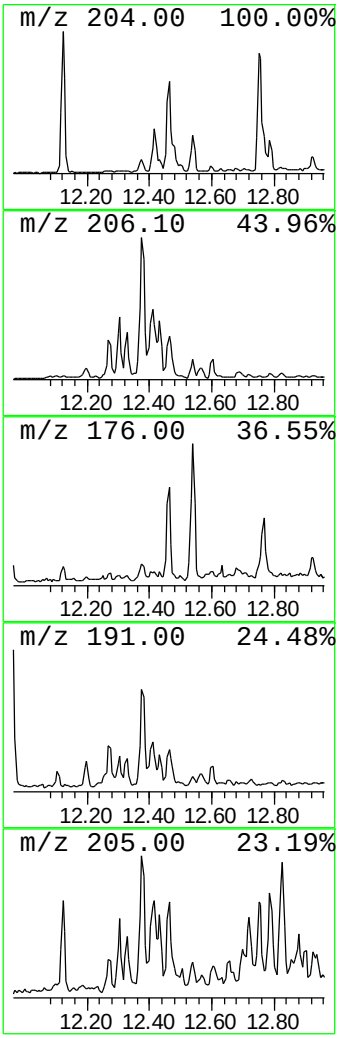
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	2.41 ng	133364	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	Benzene, 1-chloro-4-phenoxy-	204	C12H9ClO	007005-72-3	47
3	L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	43
4	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	42
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41





Library Search Compound Report

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Data File : BF121112.D
Acq On : 29 Jul 2020 20:30
Operator : JU/CG
Sample : L3436-18 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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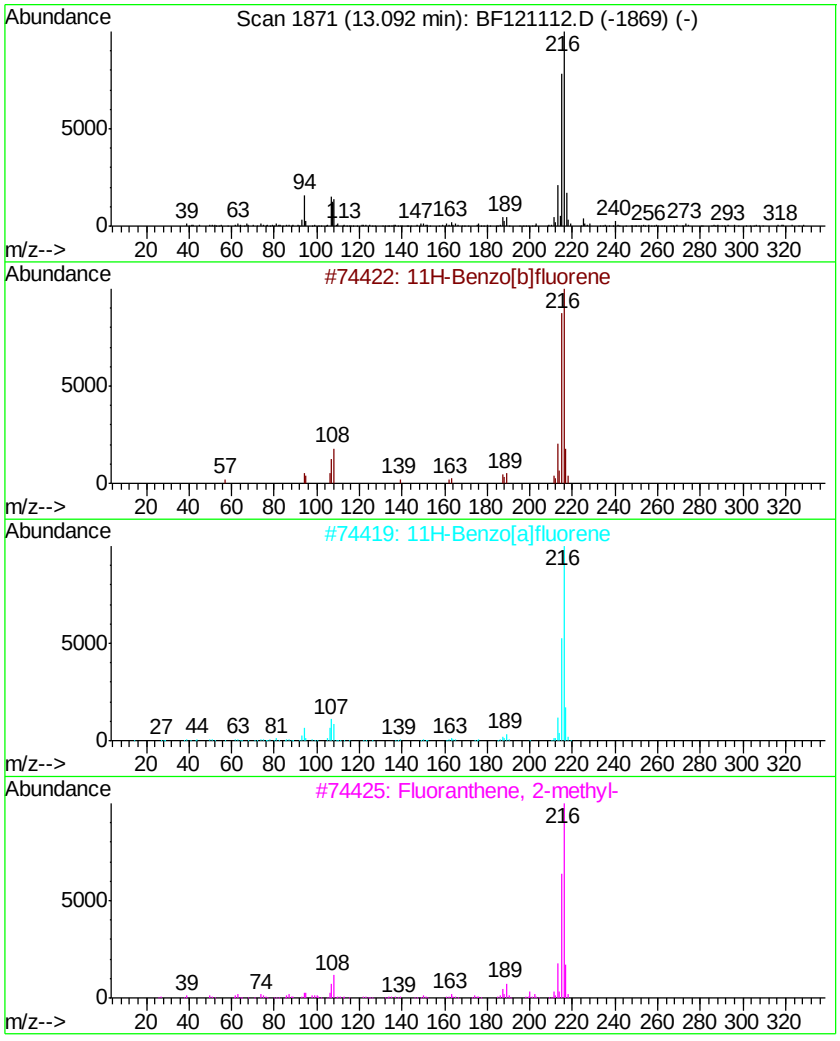
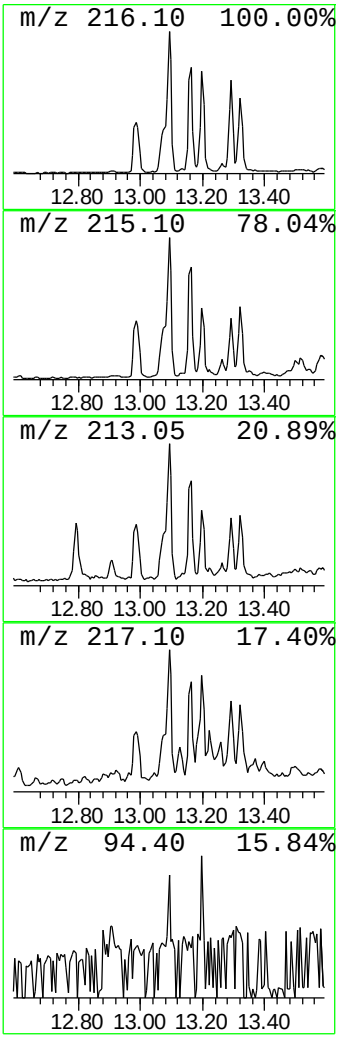
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	2.76 ng	257987	Chrysene-d12	13.96

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	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





Library Search Compound Report

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Data File : BF121112.D
Acq On : 29 Jul 2020 20:30
Operator : JU/CG
Sample : L3436-18 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

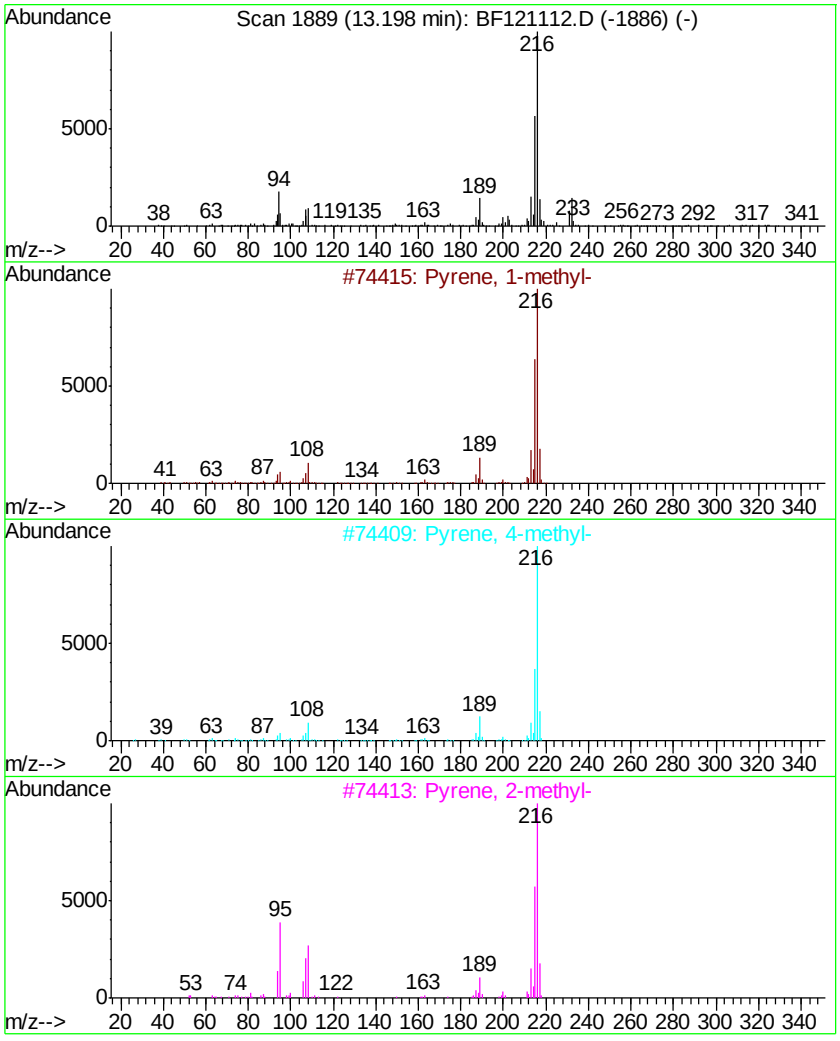
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

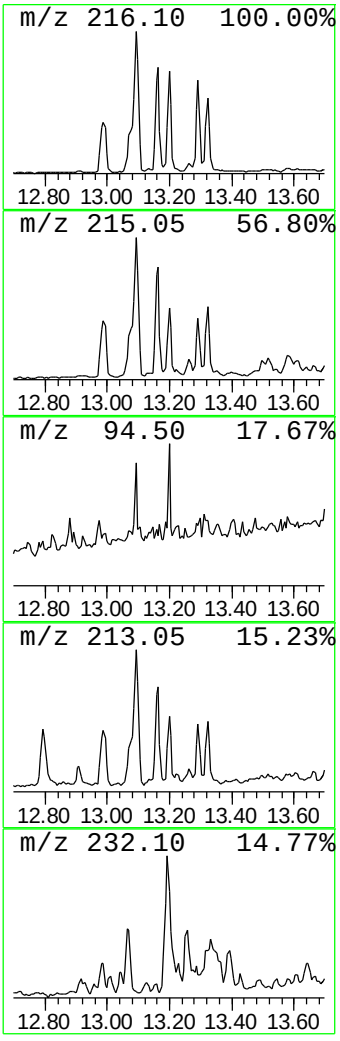
****

Peak Number 15 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	2.21 ng	206344	Chrysene-d12	13.96

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	96
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	68





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Acq On : 29 Jul 2020 20:30
Operator : JU/CG
Sample : L3436-18 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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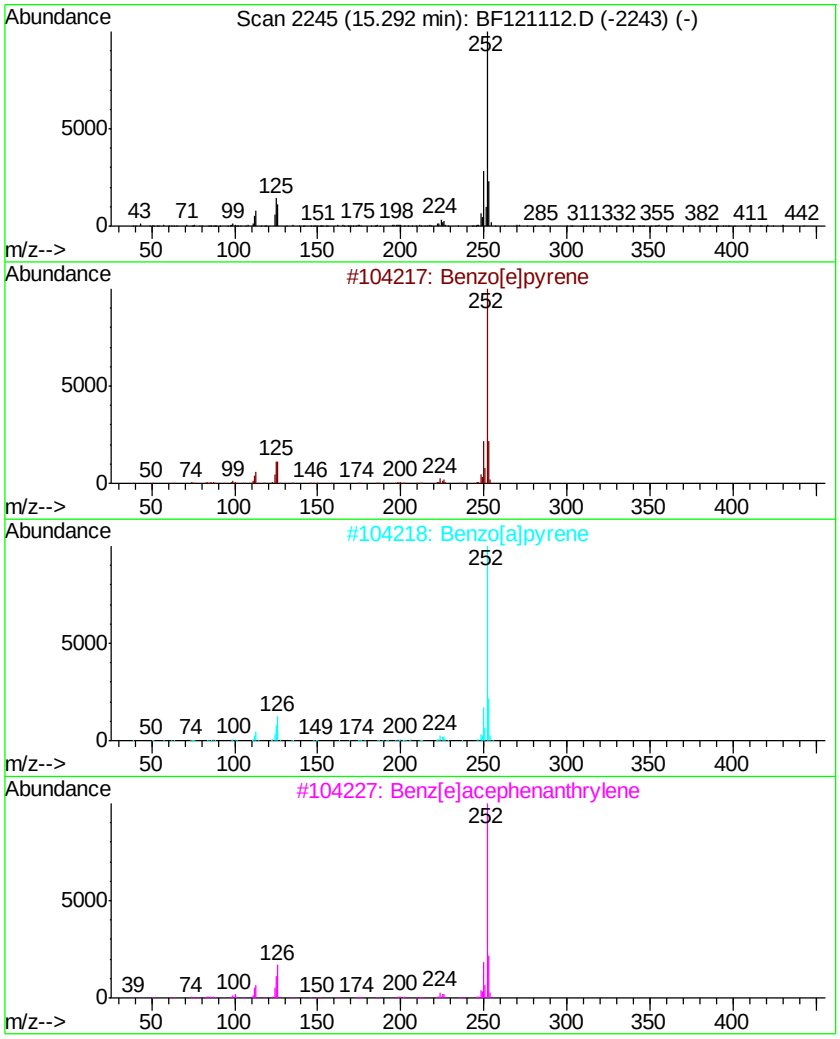
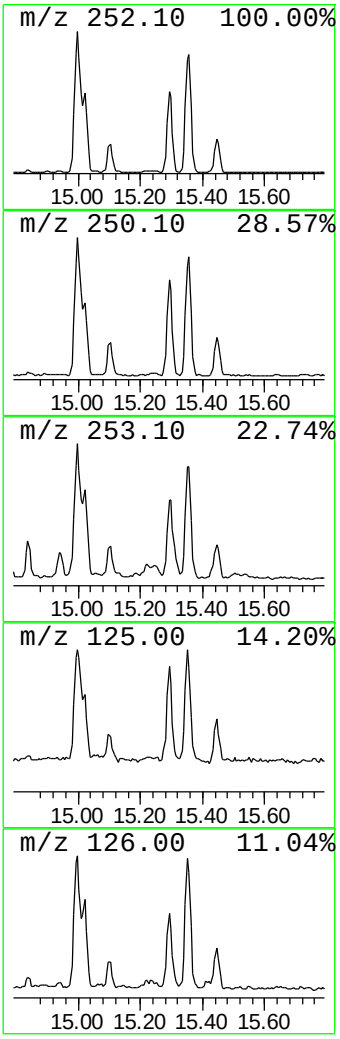
Peak Number 16 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	11.11 ng	426312	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Perylene	252	C20H12	000198-55-0	90





Tentatively Identified Compound (LSC) summary

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Data File : BF121112.D
Acq On : 29 Jul 2020 20:30
Operator : JU/CG
Sample : L3436-18 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 18

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Hexadecane, 2,6,1...	10.76	3.7	ng	204770	4	11.33	1105530	20.0
Dibenzothiophene	11.22	2.9	ng	161348	4	11.33	1105530	20.0
Phenanthrene, 2-m...	11.83	3.2	ng	178094	4	11.33	1105530	20.0
Anthracene, 2-met...	11.86	4.4	ng	242616	4	11.33	1105530	20.0
Phenanthrene, 1-m...	11.90	2.1	ng	115300	4	11.33	1105530	20.0
4H-Cyclopenta[def...	11.94	7.3	ng	402922	4	11.33	1105530	20.0
Phenanthrene, 4-m...	11.96	2.6	ng	146062	4	11.33	1105530	20.0
Naphthalene, 2-ph...	12.12	2.3	ng	125339	4	11.33	1105530	20.0
Phenanthrene, 1,7...	12.30	2.1	ng	113758	4	11.33	1105530	20.0
Anthracene, 1,4-d...	12.37	3.5	ng	192867	4	11.33	1105530	20.0
9-Octadecenoic ac...	12.42	7.1	ng	391921	4	11.33	1105530	20.0
Cyclopenta(def)ph...	12.46	2.4	ng	133364	4	11.33	1105530	20.0
11H-Benzo[b]fluorene	13.09	2.8	ng	257987	5	13.96	1867120	20.0
Pyrene, 1-methyl-	13.20	2.2	ng	206344	5	13.96	1867120	20.0
Benzo[e]pyrene	15.29	11.1	ng	426312	6	15.42	767549	20.0