LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121111.D
Acq On : 29 Jul 2020 19:59
Operator : JU/CG
Sample : L3436-15 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 15

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	3.799	286	291	297	rVB	53745	72070	3.51%	0.241%
2	5.416	562	566	574	rVB	571048	548454	26.70%	1.835%
3	5.628	597	602	607	rBV	76461	72973	3.55%	0.244%
4	6.440	737	740	752	rBV	617983	571856	27.84%	1.913%
5	6.634	770	773	778	rBV3	39875	53590	2.61%	0.179%
6	6.804	798	802	805	rBV	1108098	857329	41.74%	2.868%
7	7.063	843	846	852	rBV2	31515	43091	2.10%	0.144%
8	7.363	894	897	902	rVB	428332	339432	16.53%	1.135%
9	8.086	1015	1020	1022	rBV	1351856	1099087	53.51%	3.676%
10	8.110	1022	1024	1027	rVV	224836	183168	8.92%	0.613%
11	8.681	1118	1121	1124	rBV3	46876	45166	2.20%	0.151%
12	8.798	1139	1141	1145	rVB	142627	106497	5.19%	0.356%
13	8.898	1155	1158	1162	rVB	111584	95742	4.66%	0.320%
14	9.110	1191	1194	1199	rBV3	51898	48454	2.36%	0.162%
15	9.157	1199	1202	1208	rVV	910035	735403	35.80%	2.460%
16	9.239	1213	1216	1218	rBV	81990	81807	3.98%	0.274%
17	9.428	1243	1248	1251	rBV	69587	101141	4.92%	0.338%
18	9.498	1257	1260	1262	rBV	123559	106991	5.21%	0.358%
19	9.522	1262	1264	1266	rVV	77769	60731	2.96%	0.203%
20	9.557	1266	1270	1273	rVV2	239908	275555	13.42%	0.922%
21	9.616	1277	1280	1285	rVB2	69324	76287	3.71%	0.255%
22	9.698	1291	1294	1298	rBV	231109	205398	10.00%	0.687%
23	9.751	1300	1303	1305	rVV2	46177	46395	2.26%	0.155%
24	9.769	1305	1306	1311	rVB	69901	61872	3.01%	0.207%
25	9.839	1311	1318	1321	rBV	1475202	1221133	59.45%	4.085%
26	9.869	1321	1323	1327	rVB	172775	151100	7.36%	0.505%
27	9.945	1333	1336	1340	rVB2	53145	65711	3.20%	0.220%
28	9.998	1340	1345	1347	rBV4	32331	53309	2.60%	0.178%
29	10.039	1348	1352	1357	rVV	175410	201075	9.79%	0.673%
30	10.080	1357	1359	1368	rVV3	79675	98691	4.80%	0.330%
31	10.151	1368	1371	1374	rVV2	76768	90860	4.42%	0.304%
32	10.180	1374	1376	1379	rVV	59431	56676	2.76%	0.190%
33	10.245	1383	1387	1389	rVV	111548	110342	5.37%	0.369%
34	10.269	1389	1391	1393	rVV2	103704	84070	4.09%	0.281%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121111.D
Acq On : 29 Jul 2020 19:59
Operator : JU/CG
Sample : L3436-15 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 15

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	10.292	1393	1395	1398	rVV	43567	39157	1.91%	0.131%
36	10.333	1398	1402	1404	rVV3	36468	50795	2.47%	0.170%
37	10.386	1408	1411	1417	rVV	241931	250487	12.20%	0.838%
38	10.451	1417	1422	1424	rVV2	54906	66839	3.25%	0.224%
39	10.475	1424	1426	1427	rVV2	48919	44448	2.16%	0.149%
40	10.492	1427	1429	1432	rVV2	108528	106586	5.19%	0.357%
41	10.539	1435	1437	1441	rVB2	71537	76397	3.72%	0.256%
42	10.628	1446	1452	1455	rVV	476148	479975	23.37%	1.606%
43	10.663	1455	1458	1464	rVB4	28804	56733	2.76%	0.190%
44	10.757	1469	1474	1480	rVB2	187628	273989	13.34%	0.916%
45	10.828	1480	1486	1488	rBV5	42410	80924	3.94%	0.271%
46	10.933	1500	1504	1506	rBV2	99942	110554	5.38%	0.370%
47	10.963	1506	1509	1512	rVV2	68844	66087	3.22%	0.221%
48	11.016	1516	1518	1521	rVB2	49542	46122	2.25%	0.154%
49	11.127	1535	1537	1541	rVB3	65815	61476	2.99%	0.206%
50	11.192	1542	1548	1550	rVV2	99243	135584	6.60%	0.454%
51	11.222	1550	1553	1558	rVB	206568	198652	9.67%	0.664%
52	11.327	1567	1571	1573	rBV	1124282	1188307	57.86%	3.975%
53	11.351	1573	1575	1578	rVV	1272581	973530	47.40%	3.256%
54	11.398	1580	1583	1586	rVV	467655	372232	18.12%	1.245%
55	11.433	1586	1589	1592	rVV2	70228	81852	3.99%	0.274%
56	11.557	1607	1610	1616	rBV	98373	110314	5.37%	0.369%
57	11.616	1618	1620	1623	rVB	104229	88302	4.30%	0.295%
58	11.657	1624	1627	1633	rVB2	91466	106172	5.17%	0.355%
59	11.716	1635	1637	1639	rBV	95404	77736	3.78%	0.260%
60	11.827	1653	1656	1658	rBV	235483	217031	10.57%	0.726%
61	11.851	1658	1660	1664	rVV	389799	331965	16.16%	1.110%
62	11.898	1666	1668	1671	rVV	141014	123011	5.99%	0.411%
63	11.939	1671	1675	1677	rVV2	428107	460915	22.44%	1.542%
64	11.957	1677	1678	1683	rVB	202222	164319	8.00%	0.550%
65	12.027	1687	1690	1693	rVV2	88076	77435	3.77%	0.259%
66	12.057	1693	1695	1698	rVB2	48611	39376	1.92%	0.132%
67	12.122	1703	1706	1708	rVV	175864	158548	7.72%	0.530%
68	12.145	1708	1710	1713	rVB2	92163	98468	4.79%	0.329%
69	12.251	1726	1728	1729	rBV	65919	49268	2.40%	0.165%
70	12.269	1729	1731	1734	rVB	75387	62696	3.05%	0.210%
71	12.304	1734	1737	1739	rBV	138456	141085	6.87%	0.472%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121111.D
Acq On : 29 Jul 2020 19:59
Operator : JU/CG
Sample : L3436-15 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 15

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	12.374	1746	1749	1751	rBV	231487	227419	11.07%	0.761%
73	12.404	1751	1754	1756	rVV2	494624	550067	26.78%	1.840%
74	12.427	1756	1758	1761	rVV2	703091	612446	29.82%	2.049%
75	12.463	1761	1764	1768	rVB2	128364	156164	7.60%	0.522%
76	12.539	1774	1777	1780	rBV	1872745	1515292	73.78%	5.069%
77	12.580	1782	1784	1786	rBV	61497	56709	2.76%	0.190%
78	12.633	1790	1793	1795	rBV	133683	124817	6.08%	0.418%
79	12.692	1800	1803	1806	rBV3	75750	86241	4.20%	0.288%
80	12.769	1810	1816	1818	rBV	1845317	1884341	91.74%	6.303%
81	12.886	1833	1836	1837	rBV2	82860	90366	4.40%	0.302%
82	12.904	1837	1839	1847	rVB	764820	836365	40.72%	2.798%
83	12.986	1849	1853	1856	rBV2	137085	202464	9.86%	0.677%
84	13.074	1865	1868	1869	rBV2	97402	117246	5.71%	0.392%
85	13.092	1869	1871	1874	rVB	327533	280452	13.65%	0.938%
86	13.139	1877	1879	1880	rBV	84251	62759	3.06%	0.210%
87	13.157	1880	1882	1885	rVB	234004	204382	9.95%	0.684%
88	13.198	1886	1889	1892	rBV2	242694	214498	10.44%	0.717%
89	13.292	1902	1905	1907	rVB	127089	108590	5.29%	0.363%
90	13.321	1907	1910	1913	rBV	155604	148620	7.24%	0.497%
91	13.386	1917	1921	1924	rBV	1627624	1344187	65.44%	4.496%
92	13.739	1979	1981	1983	rVB	121980	83709	4.08%	0.280%
93	13.763	1983	1985	1987	rBV	118376	110141	5.36%	0.368%
94	13.810	1991	1993	2002	rVB2	250383	312463	15.21%	1.045%
95	13.963	2014	2019	2022	rBV2	1486430	2053934	100.00%	6.870%
96	13.986	2022	2023	2030	rVB	728768	653963	31.84%	2.187%
97	14.068	2035	2037	2039	rBV	134292	95662	4.66%	0.320%
98	14.998	2191	2195	2202	rVB	611553	1174163	57.17%	3.928%
99	15.357	2252	2256	2262	rVB	516078	681223	33.17%	2.279%
100	15.415	2263	2266	2269	rBV	692286	817956	39.82%	2.736%

Sum of corrected areas: 29895462

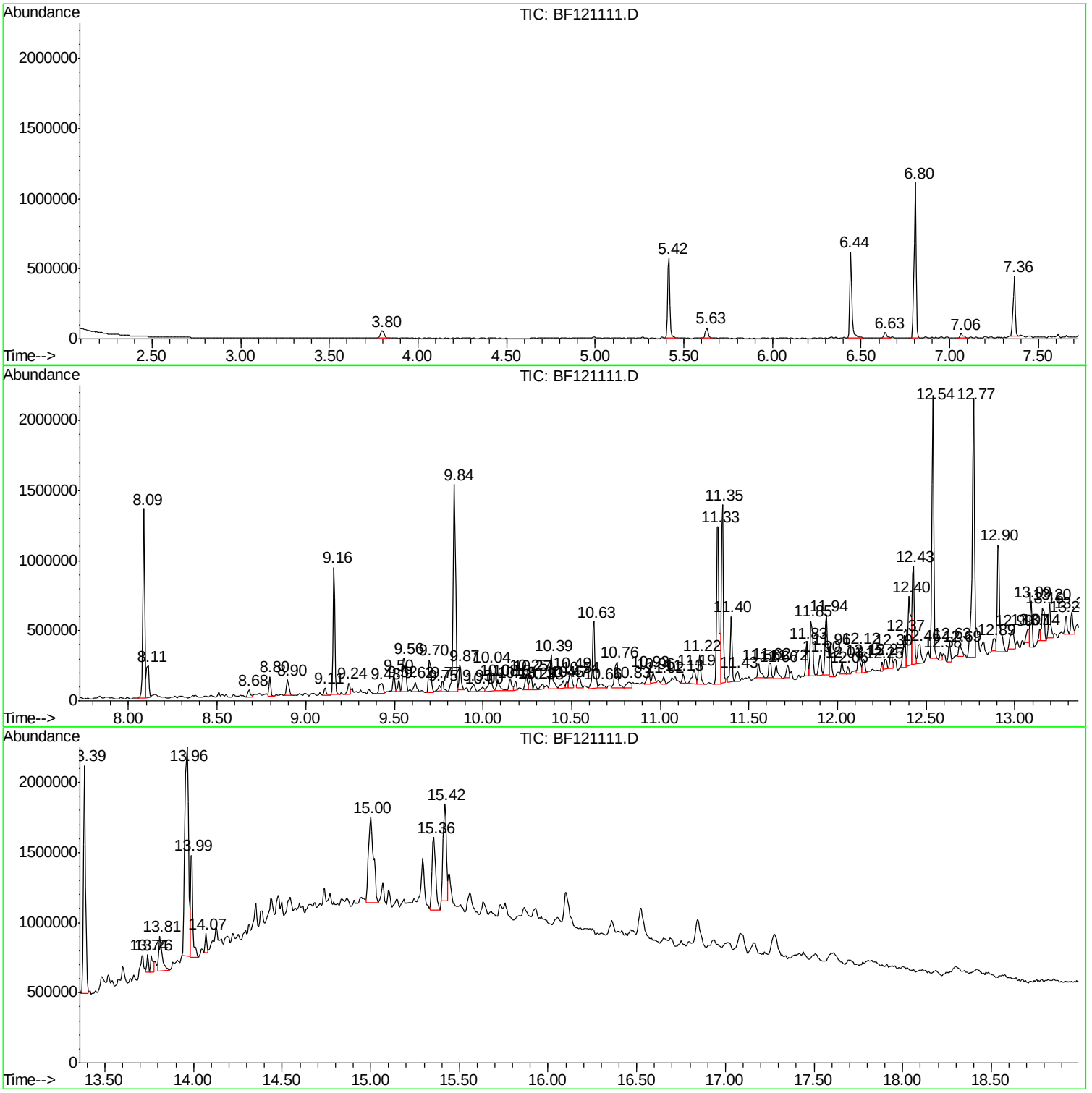
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121111.D
Acq On : 29 Jul 2020 19:59
Operator : JU/CG
Sample : L3436-15 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 15

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121111.D
Acq On : 29 Jul 2020 19:59
Operator : JU/CG
Sample : L3436-15 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 15

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

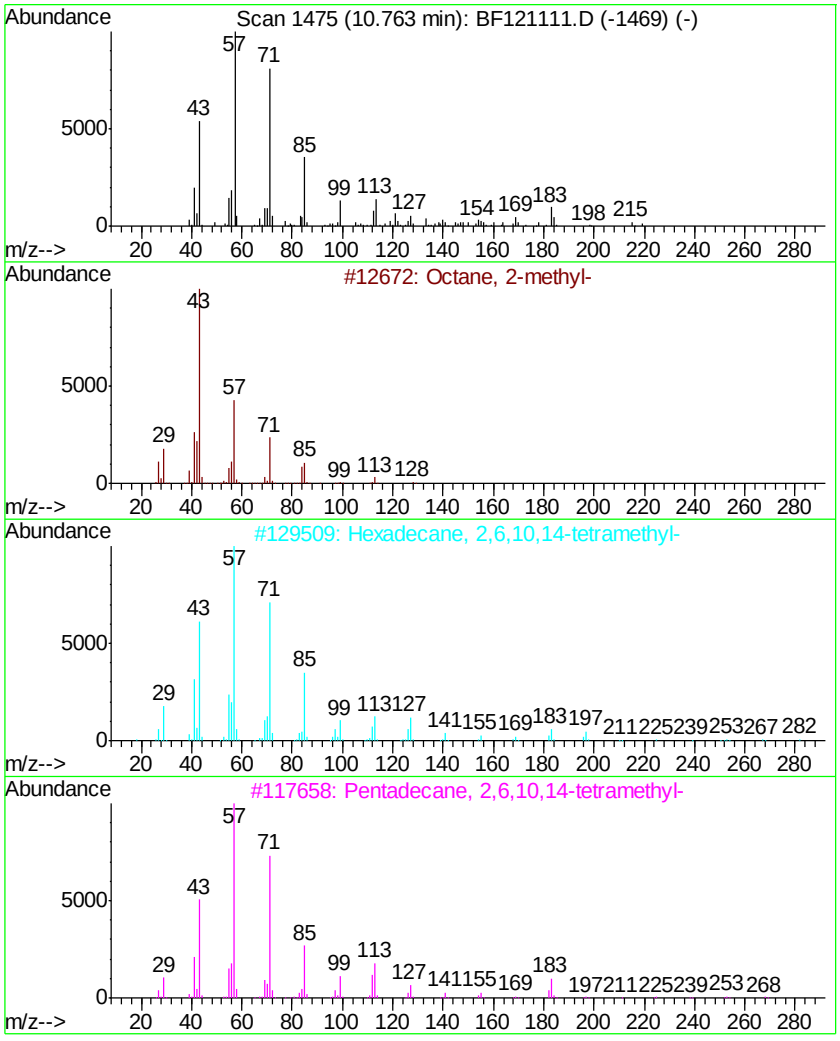
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

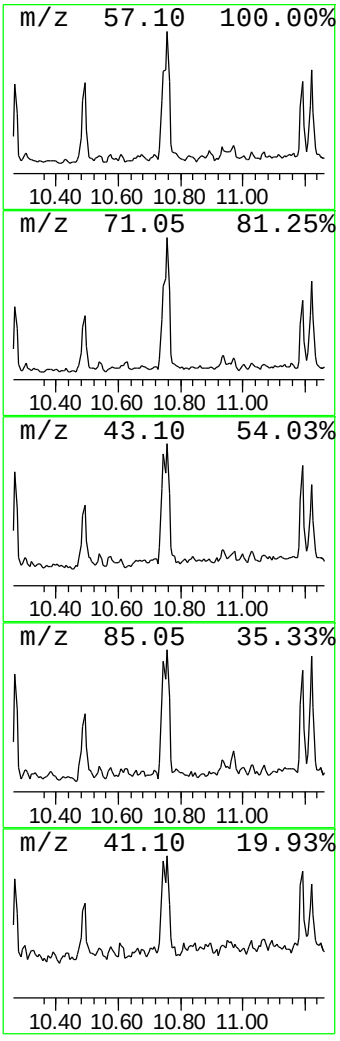
****

Peak Number 2 Octane, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	4.61 ng	273989	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	81
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	80
3	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	80
4	Tridecane, 5-propyl-	226	C16H34	055045-11-9	72
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121111.D
Acq On : 29 Jul 2020 19:59
Operator : JU/CG
Sample : L3436-15 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 15

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

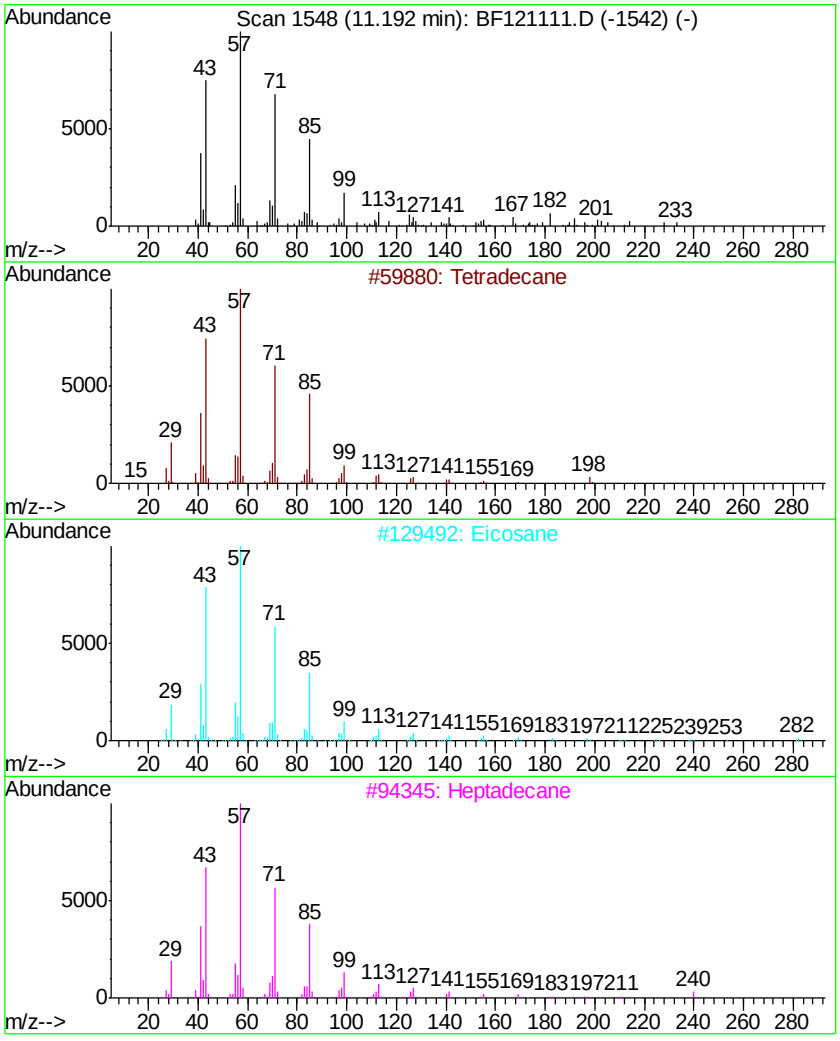
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

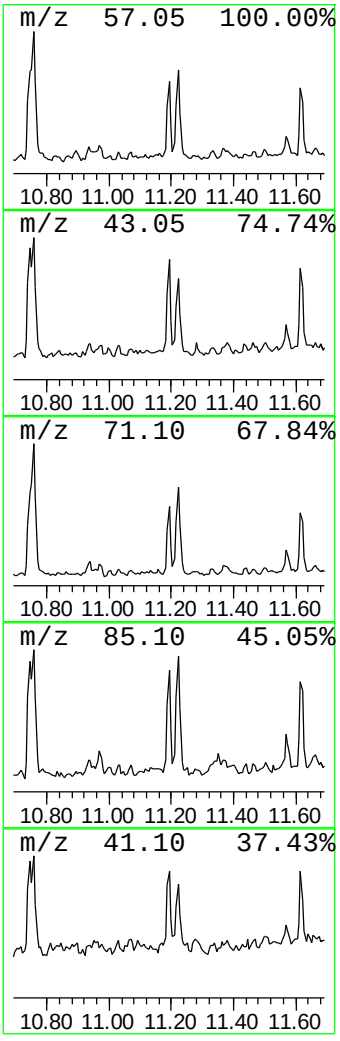
****

Peak Number 3 Tetradecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	2.28 ng	135584	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	72
2	Eicosane	282	C20H42	000112-95-8	72
3	Heptadecane	240	C17H36	000629-78-7	72
4	Pentadecane	212	C15H32	000629-62-9	72
5	Octacosane	394	C28H58	000630-02-4	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121111.D
Acq On : 29 Jul 2020 19:59
Operator : JU/CG
Sample : L3436-15 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 15

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

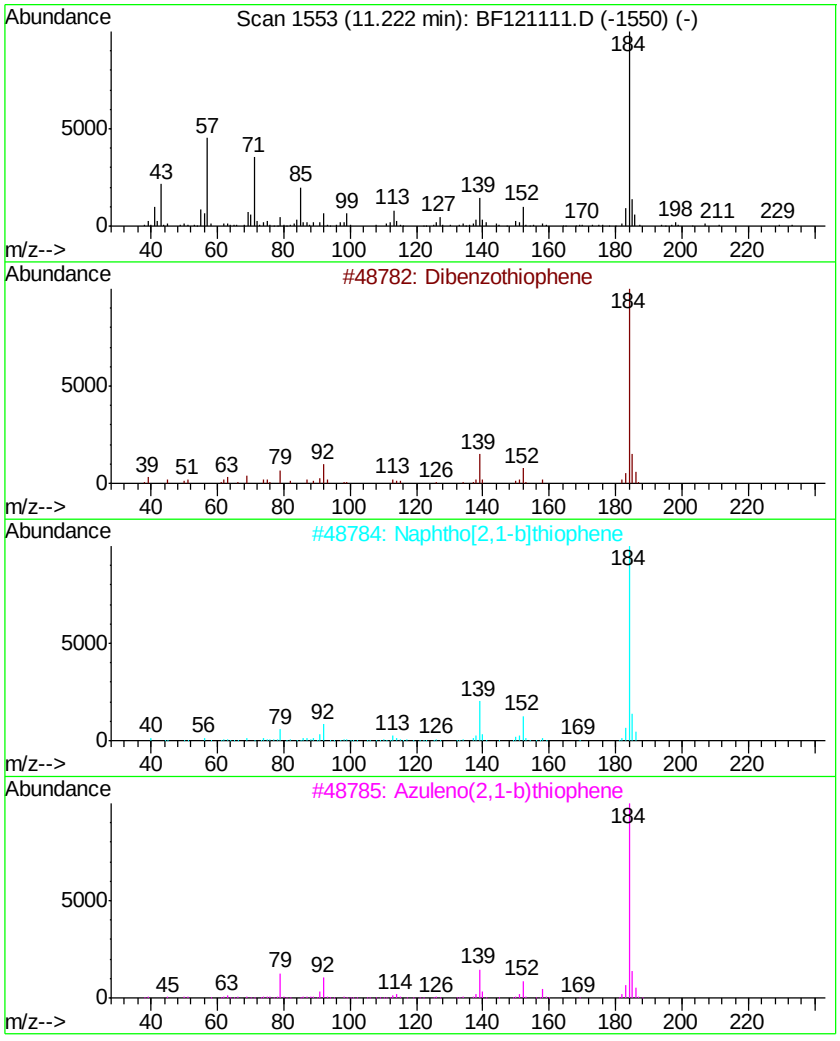
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

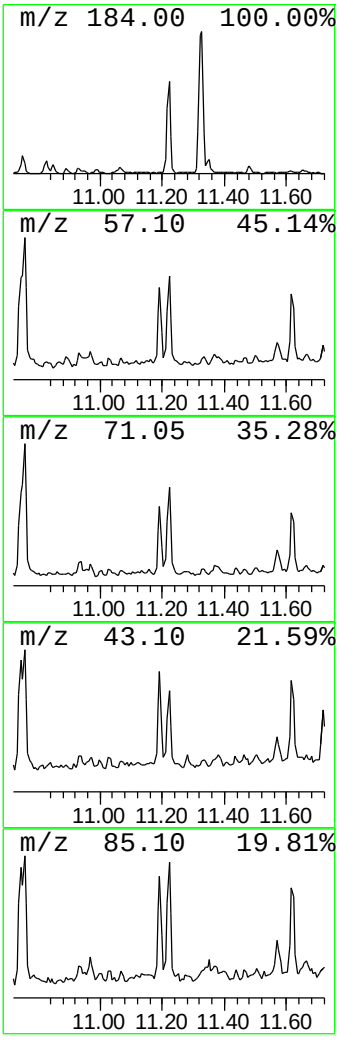
****

Peak Number 4 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	3.34 ng	198652	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	70
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	70
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	70
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	64
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121111.D
Acq On : 29 Jul 2020 19:59
Operator : JU/CG
Sample : L3436-15 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 15

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

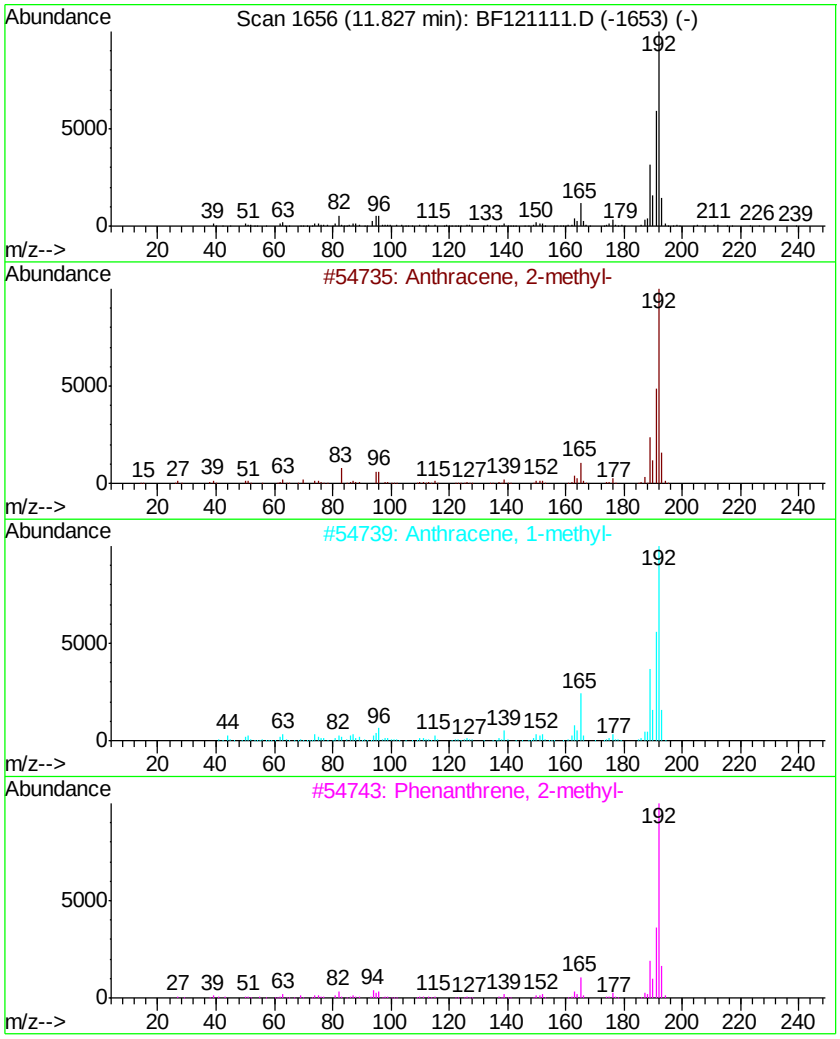
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

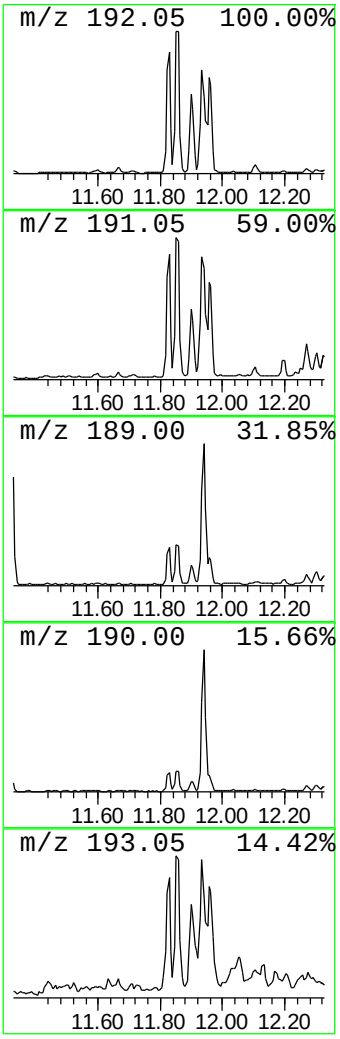
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	3.65 ng	217031	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121111.D
Acq On : 29 Jul 2020 19:59
Operator : JU/CG
Sample : L3436-15 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 15

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

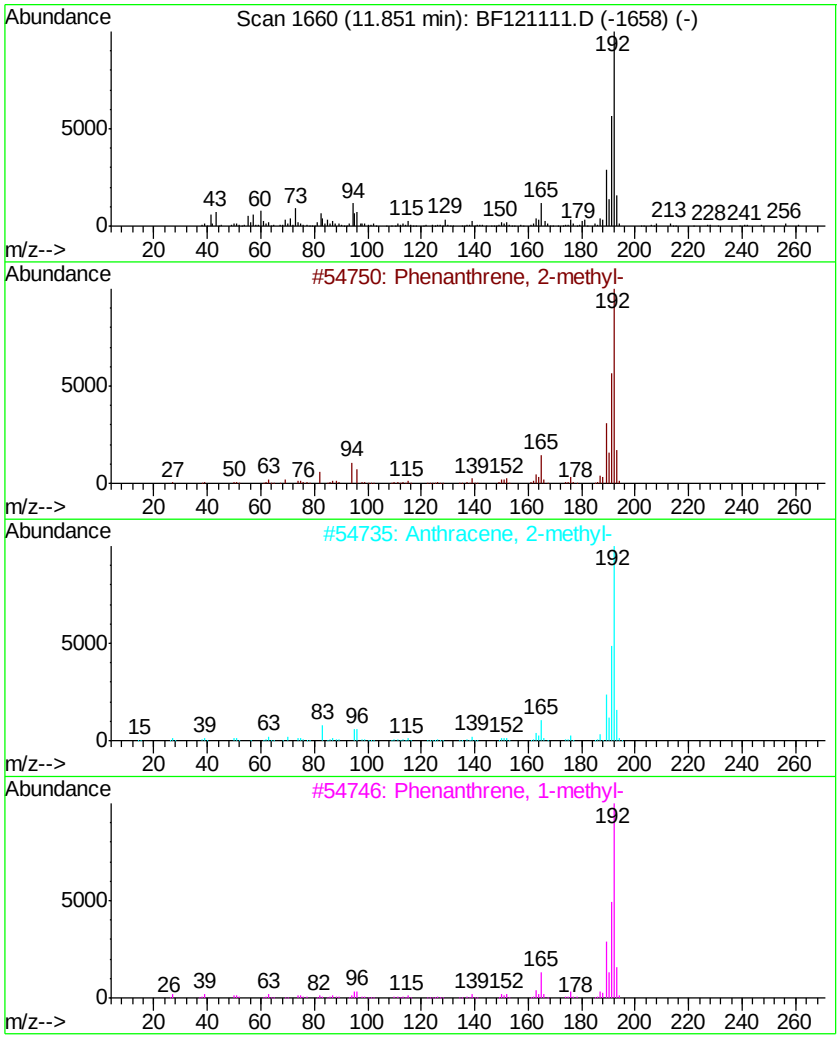
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

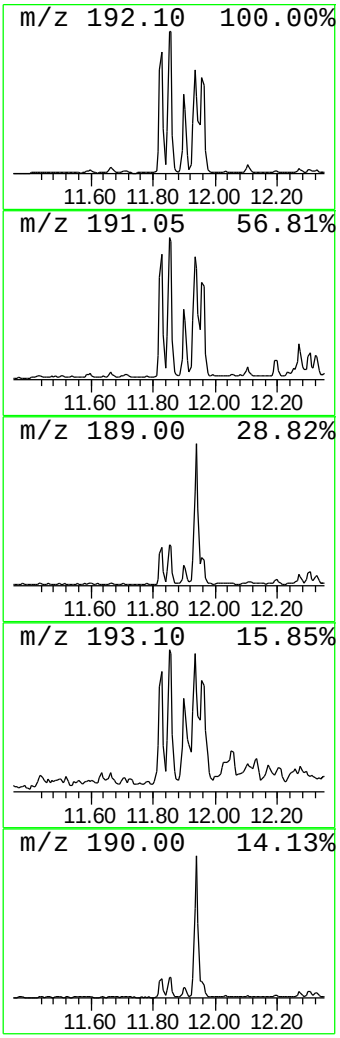
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	5.59 ng	331965	Phenanthrene-d10	11.33

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	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121111.D
Acq On : 29 Jul 2020 19:59
Operator : JU/CG
Sample : L3436-15 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 15

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

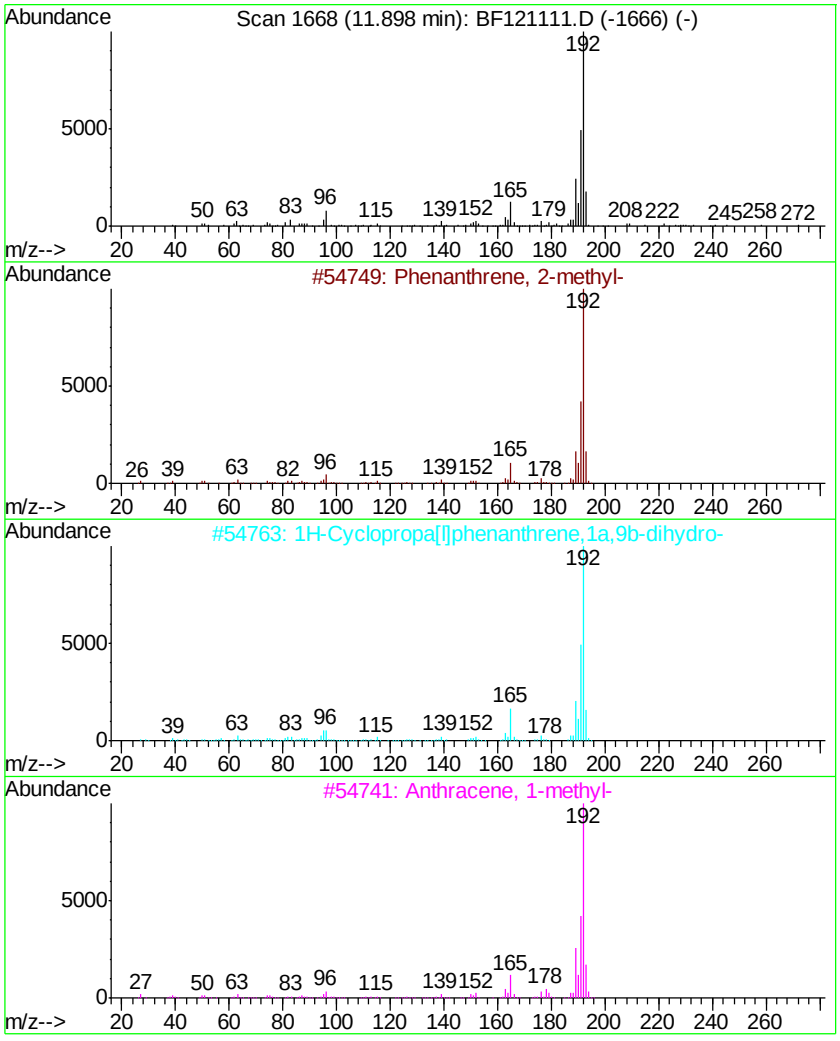
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

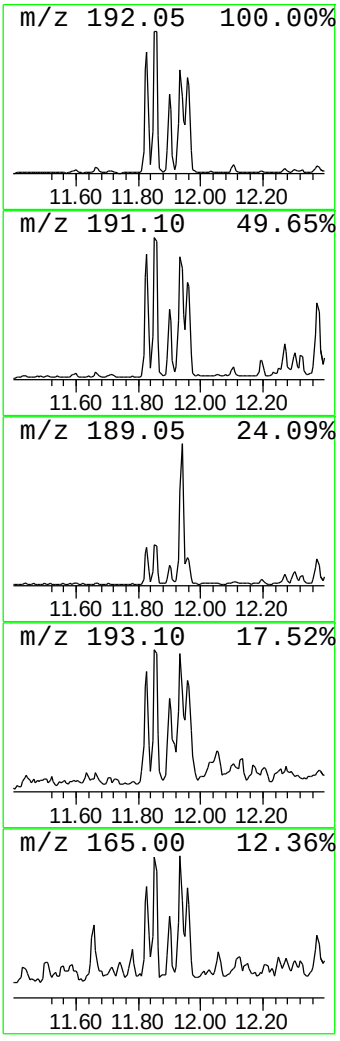
****

Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	2.07 ng	123011	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121111.D
Acq On : 29 Jul 2020 19:59
Operator : JU/CG
Sample : L3436-15 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 15

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

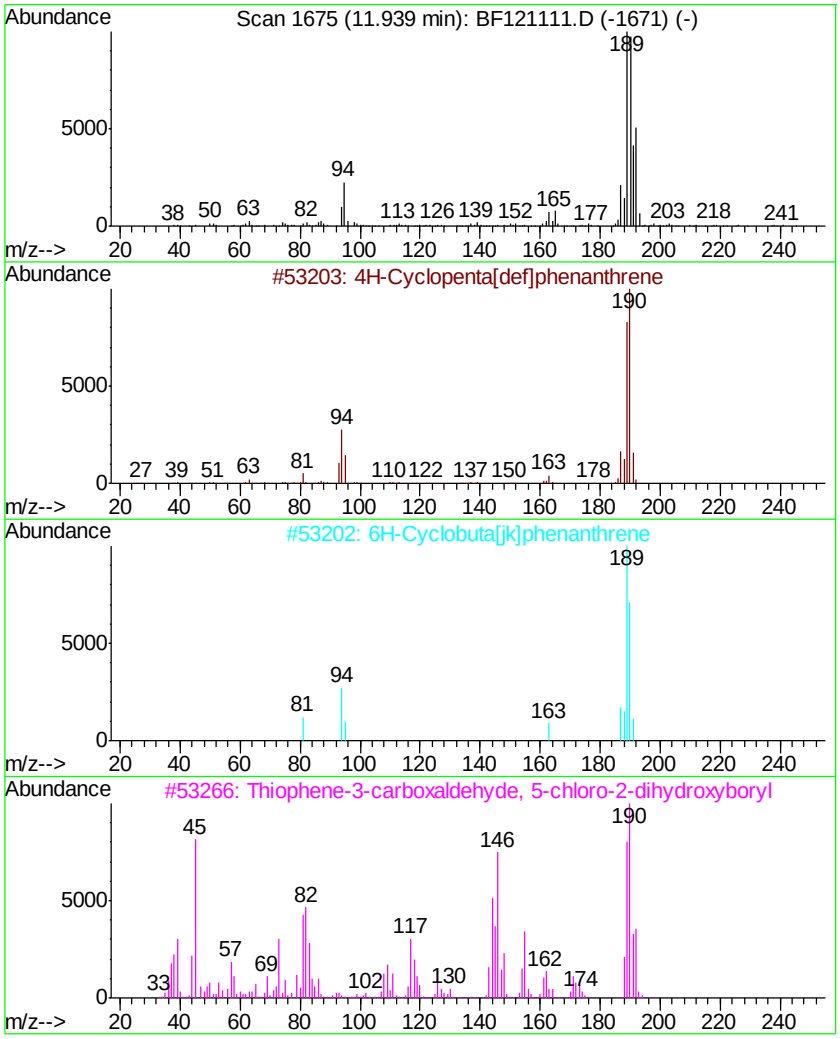
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

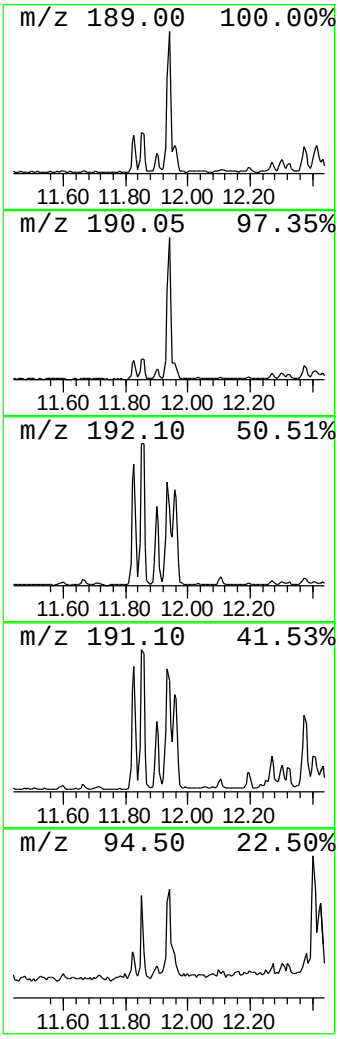
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	7.76 ng	460915	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	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	Methyl diselenide	190	C2H6Se2	007101-31-7	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121111.D
Acq On : 29 Jul 2020 19:59
Operator : JU/CG
Sample : L3436-15 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 15

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

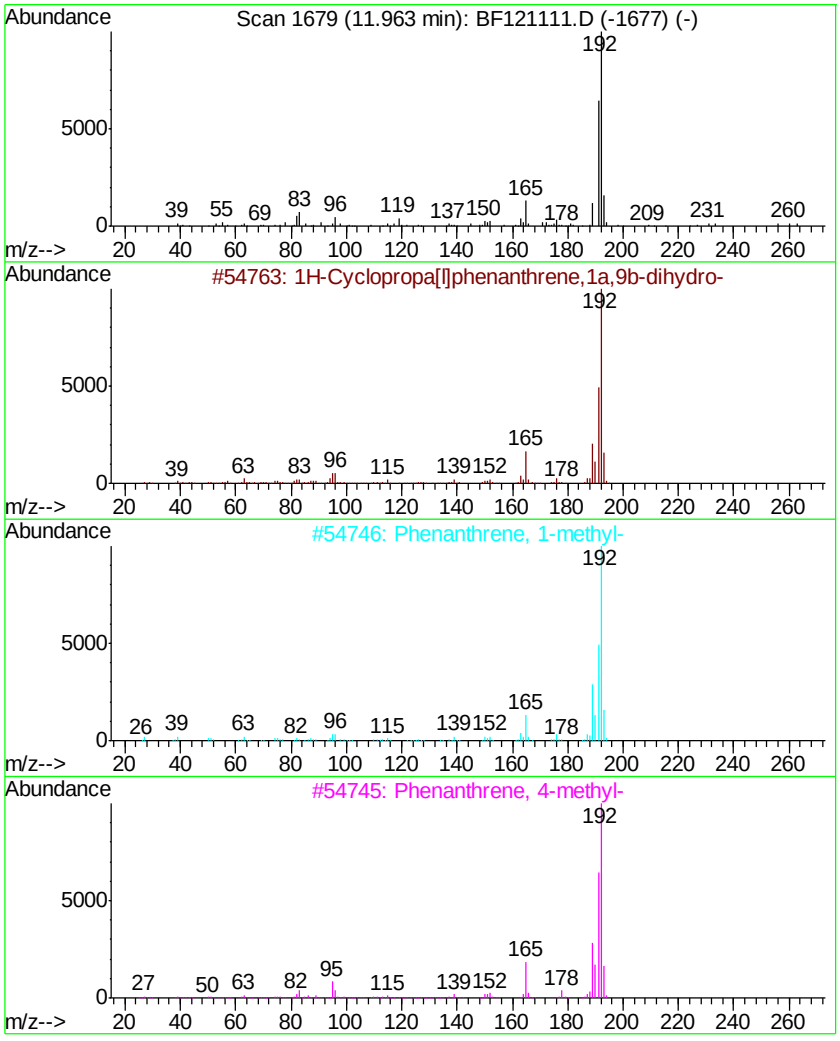
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

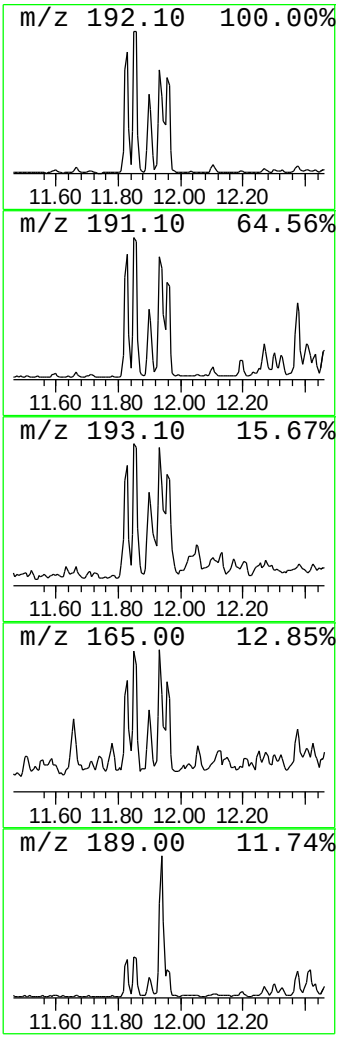
****

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	2.77 ng	164319	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121111.D
Acq On : 29 Jul 2020 19:59
Operator : JU/CG
Sample : L3436-15 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 15

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

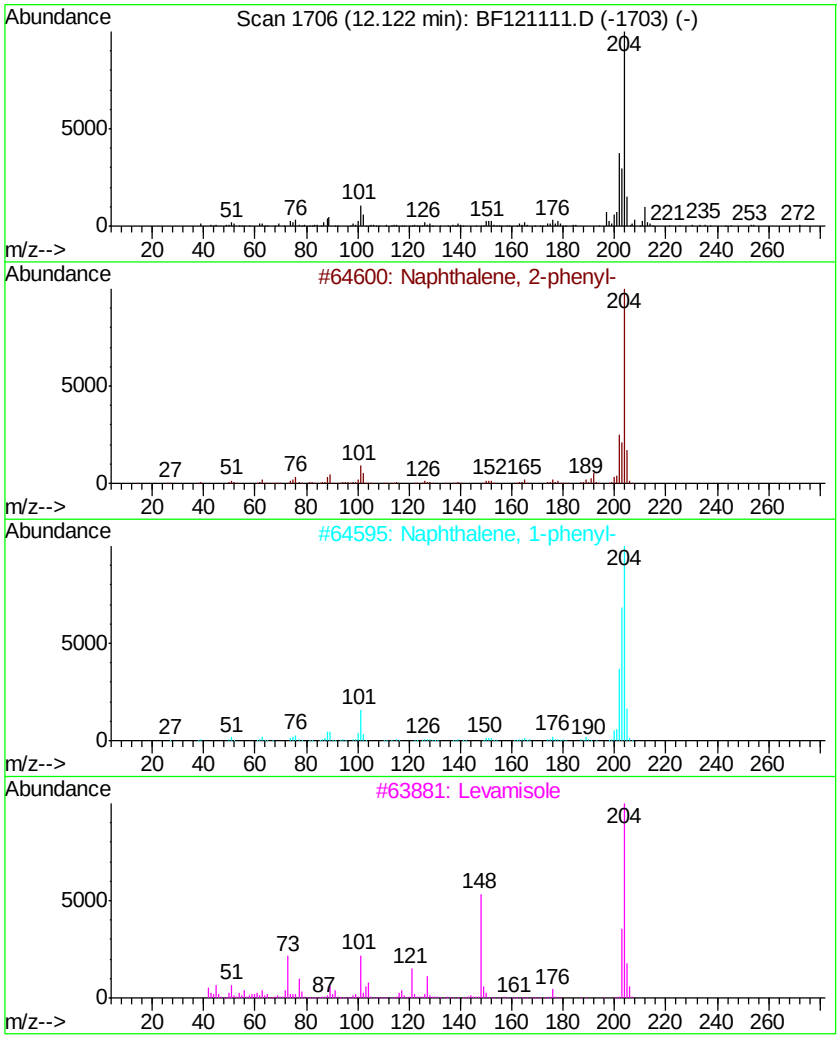
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

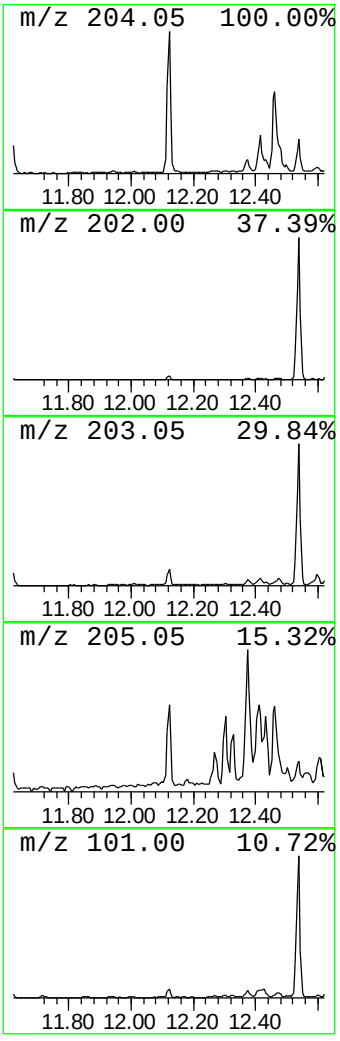
****

Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	2.67 ng	158548	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58
3	Levamisole	204	C11H12N2S	014769-73-4	52
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	52
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121111.D
Acq On : 29 Jul 2020 19:59
Operator : JU/CG
Sample : L3436-15 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 15

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

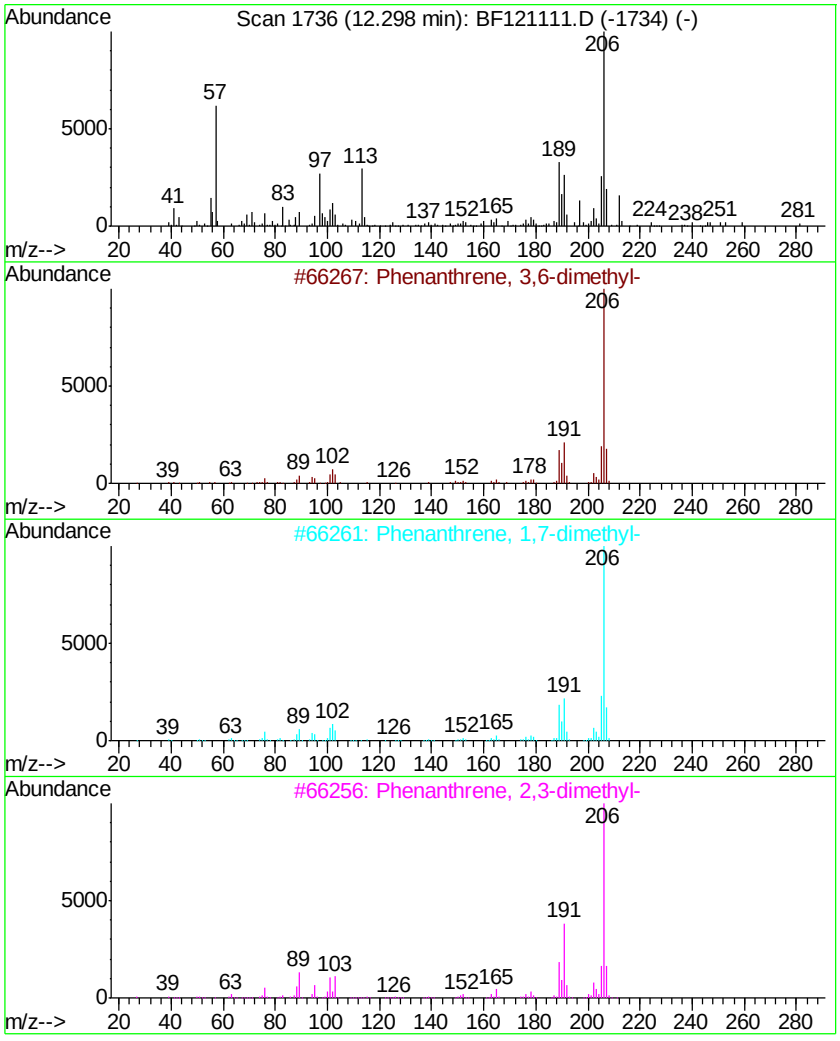
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

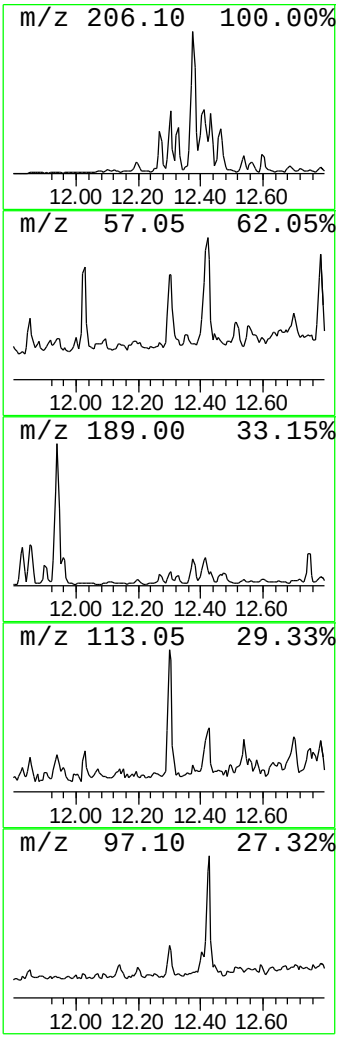
****

Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	2.37 ng	141085	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	92
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	70
4	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	68
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121111.D
Acq On : 29 Jul 2020 19:59
Operator : JU/CG
Sample : L3436-15 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 15

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

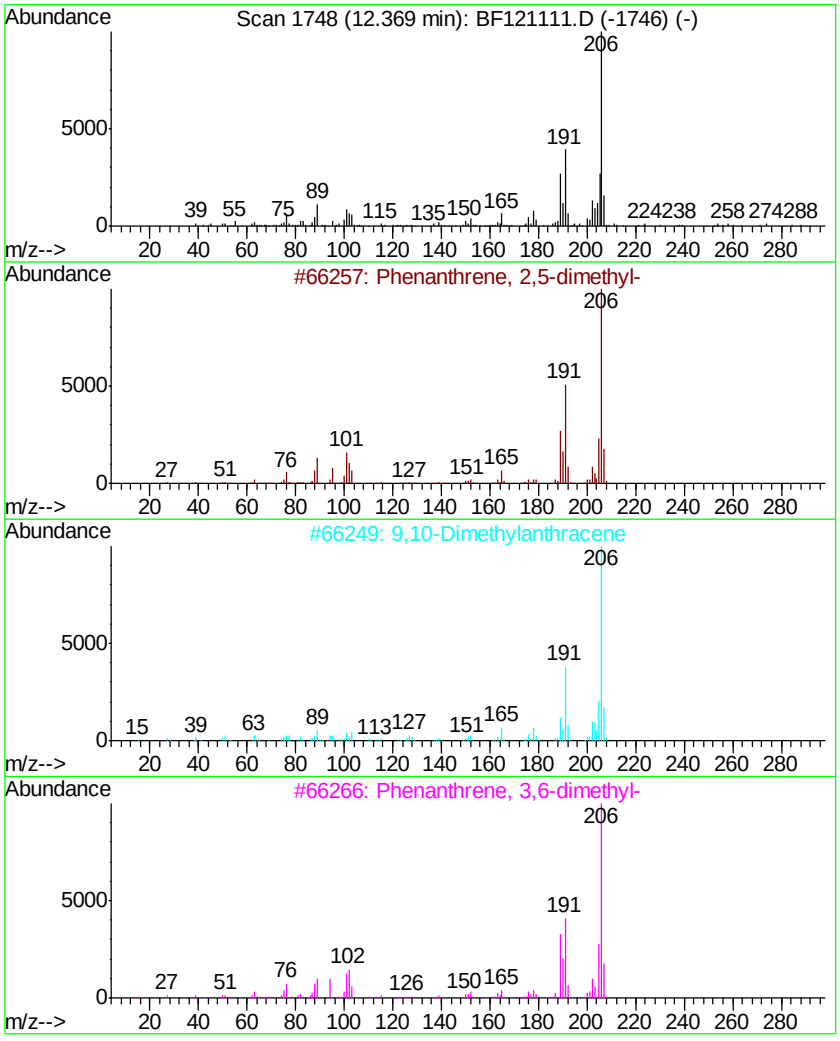
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

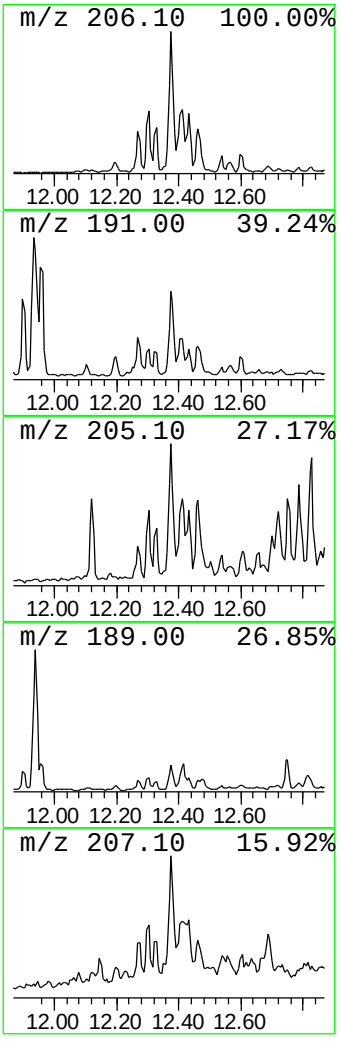
****

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	3.83 ng	227419	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121111.D
Acq On : 29 Jul 2020 19:59
Operator : JU/CG
Sample : L3436-15 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 15

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

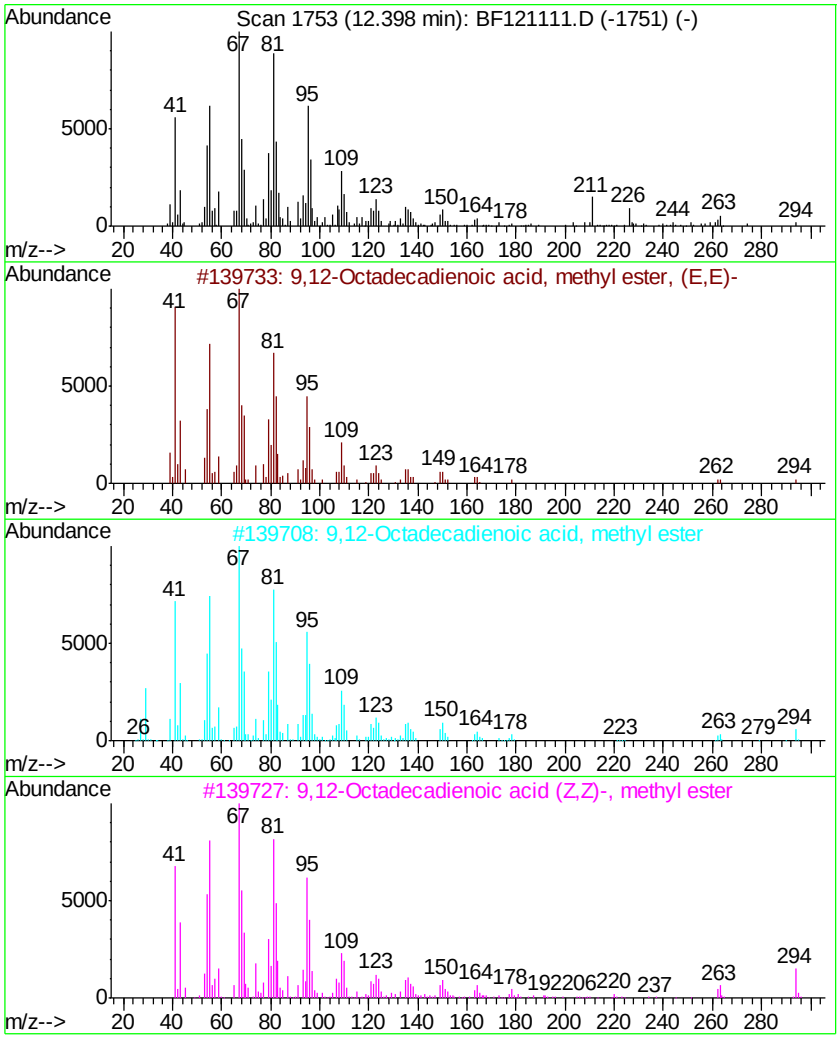
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

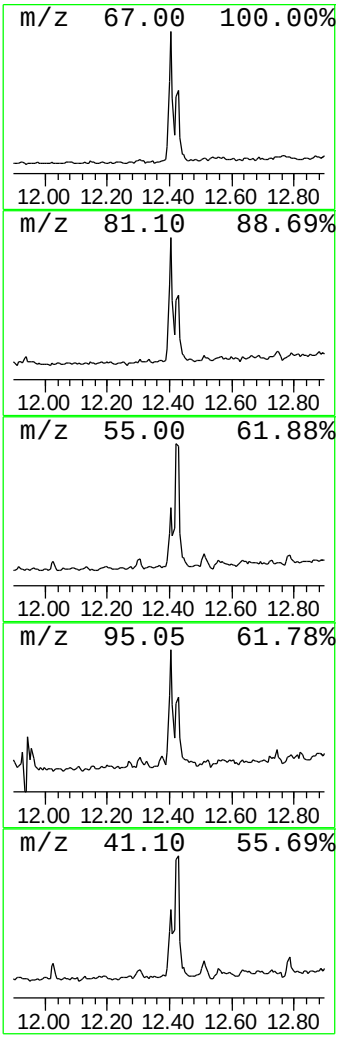
****

Peak Number 13 9,12-Octadecadienoic acid, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	9.26 ng	550067	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
3	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
4	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	98
5	11,14-Octadecadienoic acid, meth...	294	C19H34O2	056554-61-1	98





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121111.D
Acq On : 29 Jul 2020 19:59
Operator : JU/CG
Sample : L3436-15 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 15

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

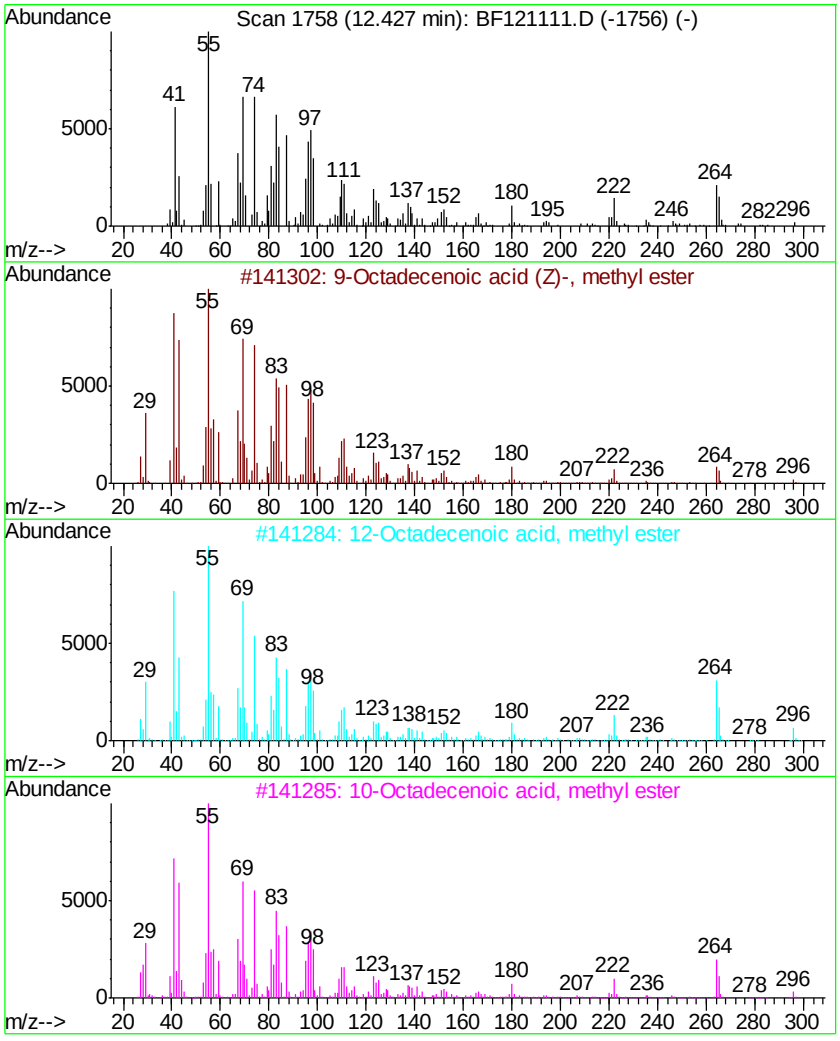
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

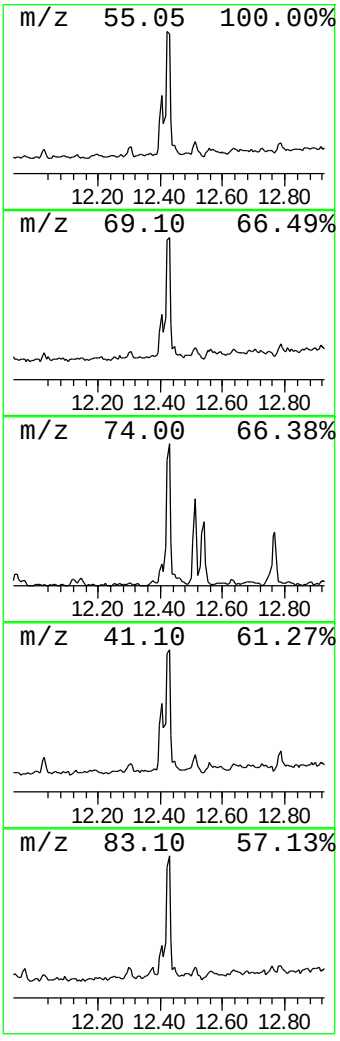
****

Peak Number 14 9-Octadecenoic acid (Z)-, m... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	10.31 ng	612446	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
2	12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	99
3	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	99
4	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	99
5	cis-13-Octadecenoic acid, methyl...	296	C19H36O2	1000333-58-3	99





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121111.D
Acq On : 29 Jul 2020 19:59
Operator : JU/CG
Sample : L3436-15 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 15

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

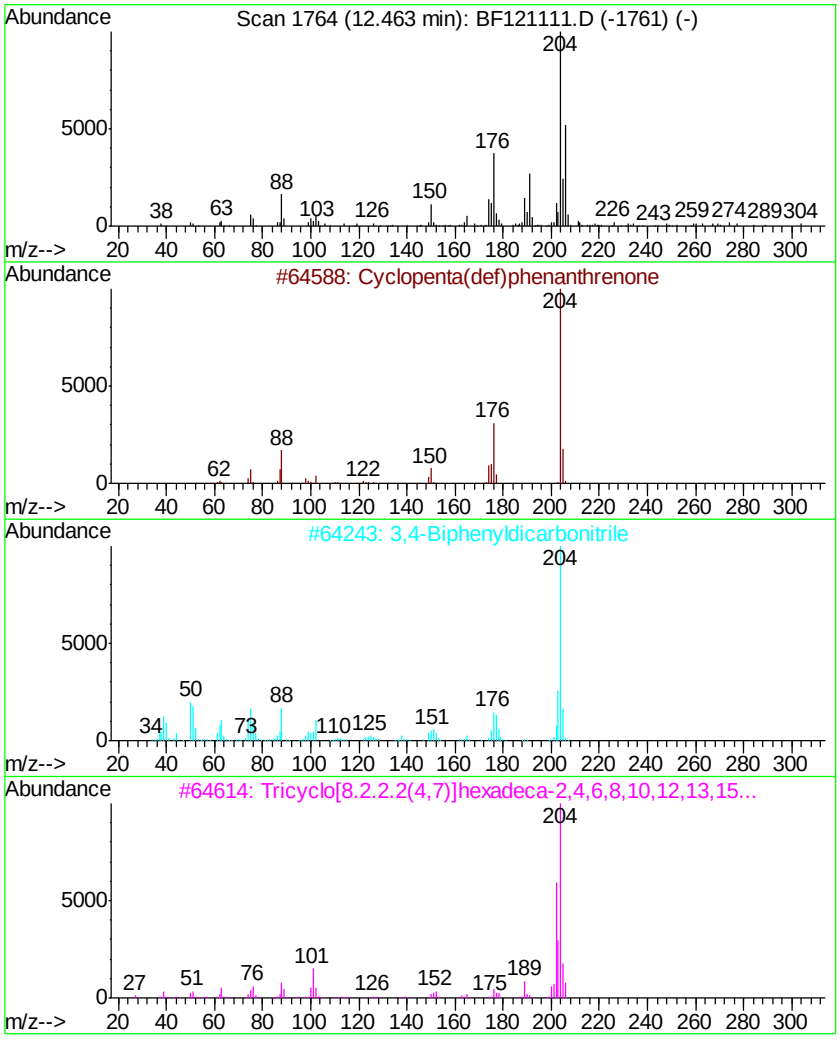
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

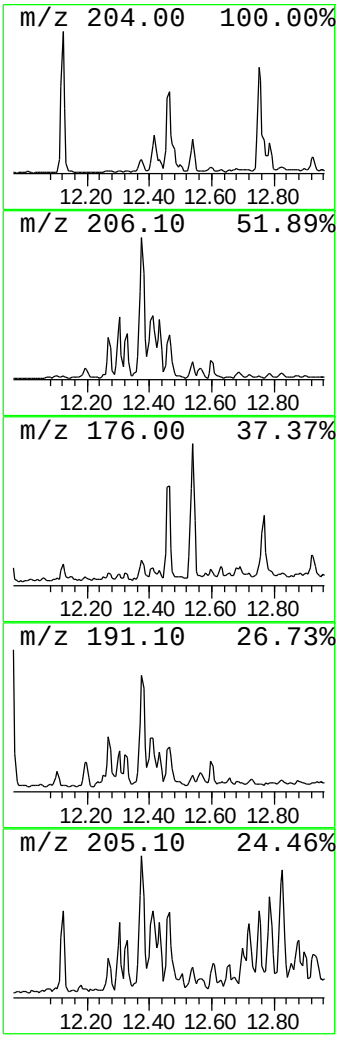
****

Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	2.63 ng	156164	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	60
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	43
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121111.D
Acq On : 29 Jul 2020 19:59
Operator : JU/CG
Sample : L3436-15 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 15

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

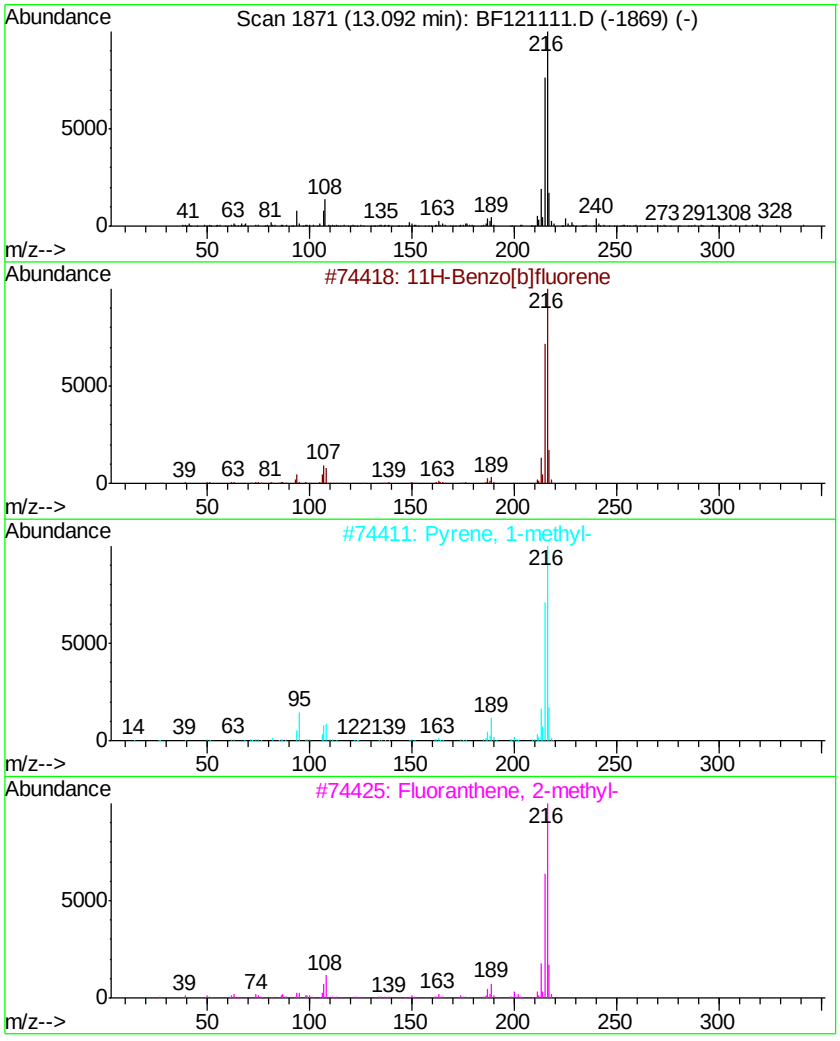
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

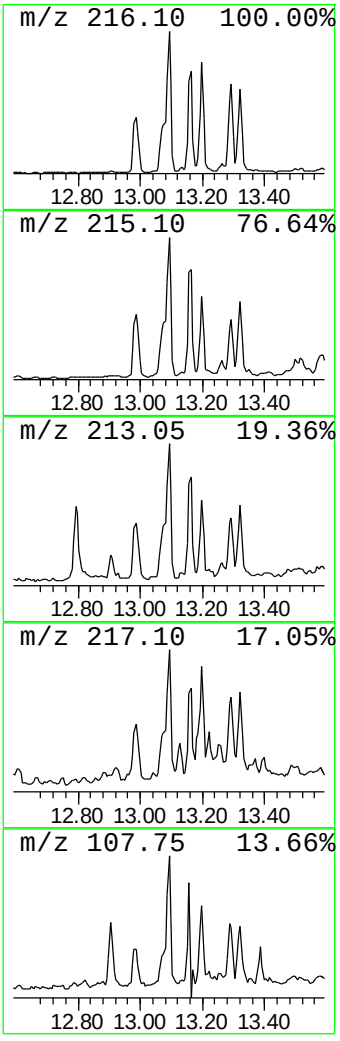
****

Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	2.73 ng	280452	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121111.D
Acq On : 29 Jul 2020 19:59
Operator : JU/CG
Sample : L3436-15 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 15

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

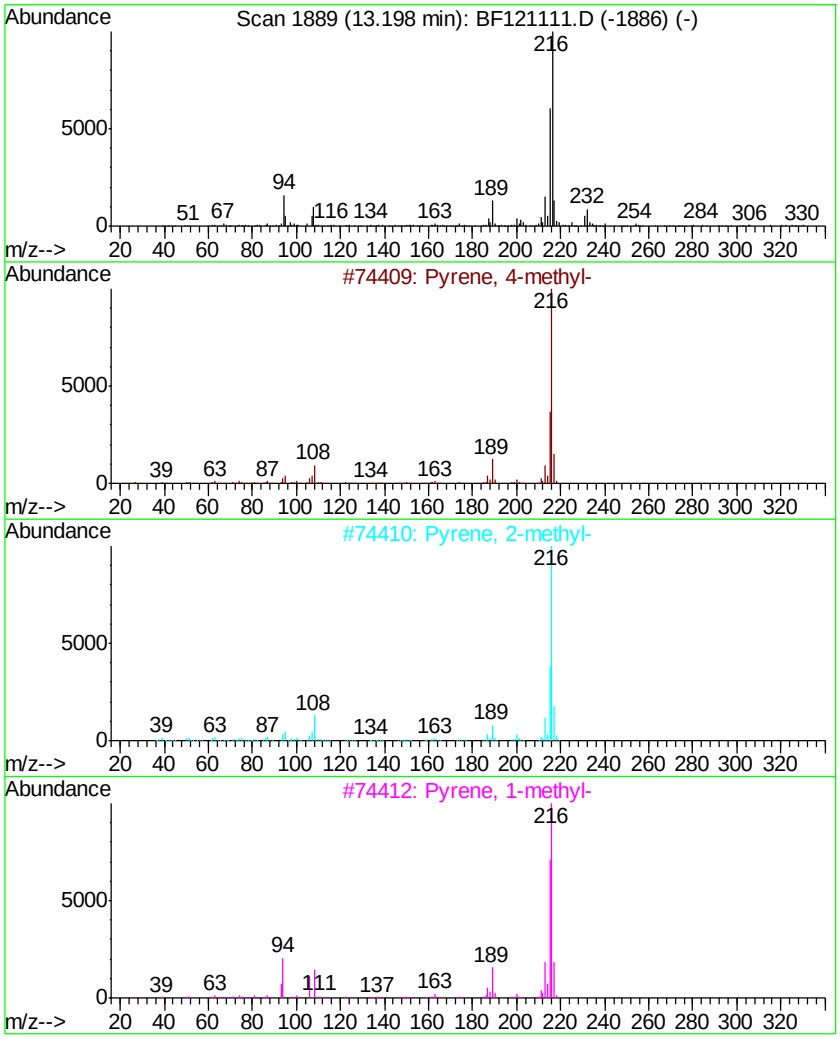
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

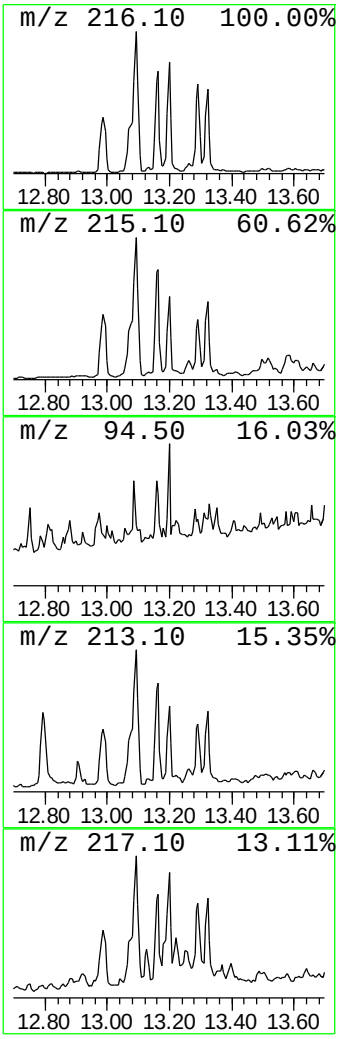
****

Peak Number 18 Pyrene, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	2.09 ng	214498	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121111.D
Acq On : 29 Jul 2020 19:59
Operator : JU/CG
Sample : L3436-15 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 15

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

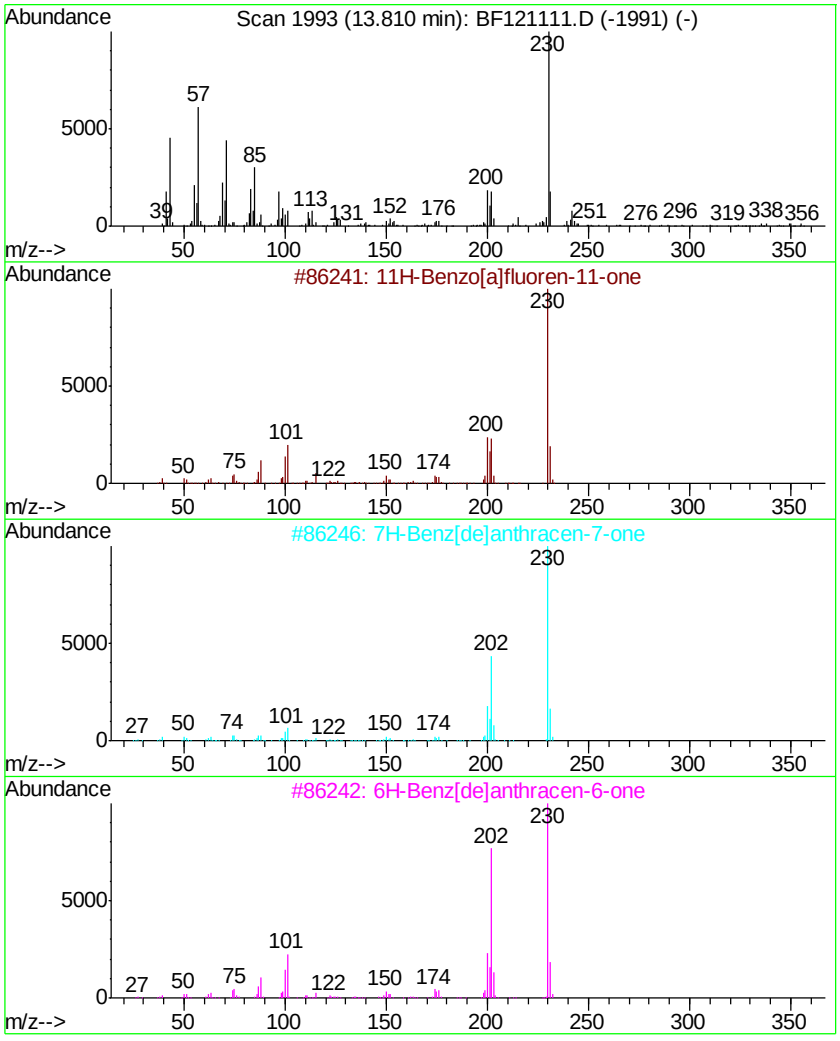
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

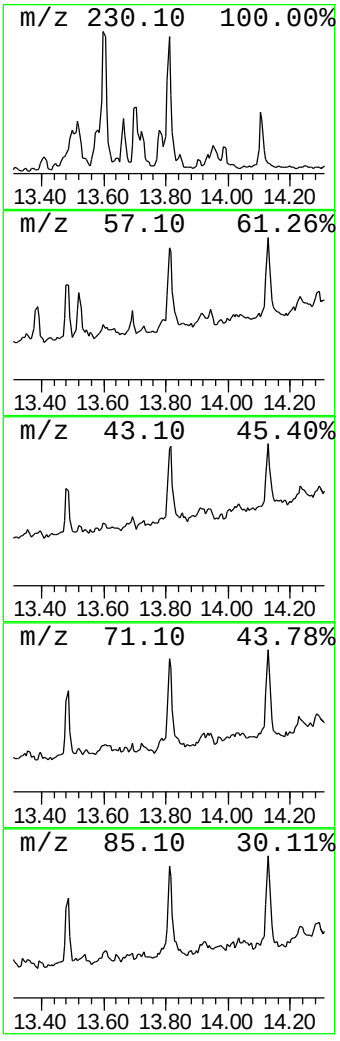
****

Peak Number 19 unknown13.81 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.81	3.04 ng	312463	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	49
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	49
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	43
4	Pyrene, 1,9-dimethyl-	230	C18H14	074298-70-7	43
5	(E)-.alpha.,.alpha.'-Dicyanostil...	230	C16H10N2	002450-55-7	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072920\
Data File : BF121111.D
Acq On : 29 Jul 2020 19:59
Operator : JU/CG
Sample : L3436-15 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 15

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
Octane, 2-methyl-	10.76	4.6	ng	273989	4	11.33	1188310	20.0
Tetradecane	11.19	2.3	ng	135584	4	11.33	1188310	20.0
Dibenzothiophene	11.22	3.3	ng	198652	4	11.33	1188310	20.0
Anthracene, 2-met...	11.83	3.6	ng	217031	4	11.33	1188310	20.0
Phenanthrene, 2-m...	11.85	5.6	ng	331965	4	11.33	1188310	20.0
1H-Cyclopropa[l]p...	11.90	2.1	ng	123011	4	11.33	1188310	20.0
4H-Cyclopenta[def...	11.94	7.8	ng	460915	4	11.33	1188310	20.0
Phenanthrene, 1-m...	11.96	2.8	ng	164319	4	11.33	1188310	20.0
Naphthalene, 2-ph...	12.12	2.7	ng	158548	4	11.33	1188310	20.0
Phenanthrene, 3,6...	12.30	2.4	ng	141085	4	11.33	1188310	20.0
Phenanthrene, 2,5...	12.37	3.8	ng	227419	4	11.33	1188310	20.0
9,12-Octadecadien...	12.40	9.3	ng	550067	4	11.33	1188310	20.0
9-Octadecenoic ac...	12.43	10.3	ng	612446	4	11.33	1188310	20.0
Cyclopenta(def)ph...	12.46	2.6	ng	156164	4	11.33	1188310	20.0
11H-Benzo[b]fluorene	13.09	2.7	ng	280452	5	13.96	2053930	20.0
Pyrene, 4-methyl-	13.20	2.1	ng	214498	5	13.96	2053930	20.0
unknown13.81	13.81	3.0	ng	312463	5	13.96	2053930	20.0