LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080620\
Data File : BF121223.D
Acq On : 7 Aug 2020 1:42
Operator : JU/CG
Sample : L3502-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-080520

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	5.404	561	564	581	rBV	310691	370655	12.70%	1.122%
2	6.434	735	739	753	rBV	289111	393364	13.47%	1.191%
3	6.792	797	800	814	rBV	790163	712071	24.39%	2.156%
4	7.057	842	845	851	rBV	33354	34026	1.17%	0.103%
5	7.357	892	896	906	rBV	226989	255744	8.76%	0.774%
6	8.080	1015	1019	1036	rBV	945282	953452	32.66%	2.887%
7	9.151	1198	1201	1213	rBV	538892	577606	19.78%	1.749%
8	9.492	1256	1259	1262	rBV	29849	29864	1.02%	0.090%
9	9.551	1266	1269	1277	rVB	76148	86874	2.98%	0.263%
10	9.698	1290	1294	1298	rBV	66604	59462	2.04%	0.180%
11	9.769	1303	1306	1310	rVB	32021	29684	1.02%	0.090%
12	9.833	1310	1317	1321	rBV	1183358	1062781	36.40%	3.218%
13	9.869	1321	1323	1332	rVB	108407	108028	3.70%	0.327%
14	10.039	1347	1352	1356	rBV	69453	74730	2.56%	0.226%
15	10.080	1356	1359	1365	rVB3	28961	34051	1.17%	0.103%
16	10.263	1388	1390	1393	rVB	56528	47169	1.62%	0.143%
17	10.386	1406	1411	1417	rBV	95216	113310	3.88%	0.343%
18	10.451	1417	1422	1423	rBV2	22661	29245	1.00%	0.089%
19	10.539	1434	1437	1441	rVB	61757	59395	2.03%	0.180%
20	10.627	1449	1452	1458	rBV	307571	325067	11.13%	0.984%
21	10.739	1468	1471	1479	rVB3	73817	104927	3.59%	0.318%
22	10.933	1500	1504	1507	rBV3	48263	53197	1.82%	0.161%
23	11.057	1521	1525	1527	rBV3	51569	61266	2.10%	0.186%
24	11.080	1527	1529	1535	rVV	59744	73614	2.52%	0.223%
25	11.127	1535	1537	1541	rVV2	49602	51611	1.77%	0.156%
26	11.186	1545	1547	1550	rVV	79788	80734	2.77%	0.244%
27	11.221	1550	1553	1559	rVB	117242	123819	4.24%	0.375%
28	11.321	1566	1570	1572	rBV	1146812	1025030	35.11%	3.104%
29	11.345	1572	1574	1578	rVV	1477750	1396822	47.84%	4.229%
30	11.398	1580	1583	1586	rVV	577535	496916	17.02%	1.505%
31	11.433	1586	1589	1592	rVB2	35912	48158	1.65%	0.146%
32	11.557	1607	1610	1611	rBV2	39115	34723	1.19%	0.105%
33	11.616	1617	1620	1623	rVB	109963	88050	3.02%	0.267%
34	11.657	1624	1627	1632	rVB3	46841	66404	2.27%	0.201%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080620\
Data File : BF121223.D
Acq On : 7 Aug 2020 1:42
Operator : JU/CG
Sample : L3502-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-080520

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	11.733	1638	1640	1645	rVB	29314	30345	1.04%	0.092%
36	11.827	1652	1656	1658	rBV	207877	206223	7.06%	0.624%
37	11.851	1658	1660	1665	rVB	310359	277812	9.52%	0.841%
38	11.898	1665	1668	1671	rBV	156917	150388	5.15%	0.455%
39	11.939	1671	1675	1677	rVV	347230	390707	13.38%	1.183%
40	11.957	1677	1678	1682	rVB	153453	116353	3.99%	0.352%
41	12.021	1684	1689	1693	rBV3	82005	91590	3.14%	0.277%
42	12.121	1702	1706	1708	rVV	217218	192422	6.59%	0.583%
43	12.151	1708	1711	1714	rVB	56626	56396	1.93%	0.171%
44	12.268	1729	1731	1734	rVB	61301	46506	1.59%	0.141%
45	12.298	1734	1736	1739	rBV	81385	75143	2.57%	0.228%
46	12.321	1739	1740	1743	rVB	58201	46943	1.61%	0.142%
47	12.374	1746	1749	1751	rBV	170909	165679	5.67%	0.502%
48	12.410	1751	1755	1761	rVB3	168246	260613	8.93%	0.789%
49	12.463	1761	1764	1769	rBV	172154	185542	6.36%	0.562%
50	12.539	1773	1777	1781	rBV	2643193	2587319	88.62%	7.834%
51	12.580	1781	1784	1786	rVV	57517	58736	2.01%	0.178%
52	12.598	1786	1787	1791	rVB2	57329	46917	1.61%	0.142%
53	12.686	1799	1802	1806	rVB	106030	106753	3.66%	0.323%
54	12.768	1810	1816	1821	rBV2	2414715	2919568	100.00%	8.840%
55	12.815	1821	1824	1829	rVB2	122838	157490	5.39%	0.477%
56	12.886	1832	1836	1837	rBV	189098	180007	6.17%	0.545%
57	12.904	1837	1839	1847	rVB	645211	656256	22.48%	1.987%
58	12.980	1847	1852	1860	rBV4	184956	382175	13.09%	1.157%
59	13.039	1860	1862	1864	rBV3	39485	31987	1.10%	0.097%
60	13.068	1864	1867	1868	rBV3	145007	132088	4.52%	0.400%
61	13.092	1869	1871	1875	rVB	268186	252806	8.66%	0.765%
62	13.139	1875	1879	1881	rBV2	113322	137337	4.70%	0.416%
63	13.157	1881	1882	1885	rVB	117288	93565	3.20%	0.283%
64	13.198	1885	1889	1892	rBV2	302417	339999	11.65%	1.029%
65	13.257	1896	1899	1902	rVB	55819	44117	1.51%	0.134%
66	13.292	1902	1905	1907	rBV	128644	101796	3.49%	0.308%
67	13.321	1907	1910	1914	rBV2	148511	152433	5.22%	0.462%
68	13.480	1933	1937	1941	rBV4	120434	171103	5.86%	0.518%
69	13.580	1951	1954	1955	rBV	43062	43687	1.50%	0.132%
70	13.604	1955	1958	1962	rVB	209839	217299	7.44%	0.658%
71	13.715	1973	1977	1979	rBV2	226968	246641	8.45%	0.747%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080620\
Data File : BF121223.D
Acq On : 7 Aug 2020 1:42
Operator : JU/CG
Sample : L3502-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-080520

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	13.739	1979	1981	1983	rVV	213875	191309	6.55%	0.579%
73	13.768	1983	1986	1991	rVV2	191575	307530	10.53%	0.931%
74	13.809	1991	1993	1998	rVB	240165	241254	8.26%	0.730%
75	13.880	2003	2005	2011	rBV	55645	71614	2.45%	0.217%
76	13.962	2012	2019	2022	rBV2	1831096	2769584	94.86%	8.386%
77	13.992	2022	2024	2032	rVB	1442523	1308200	44.81%	3.961%
78	14.074	2035	2038	2043	rVV	185364	180040	6.17%	0.545%
79	14.180	2054	2056	2057	rBV	72347	53558	1.83%	0.162%
80	14.315	2076	2079	2081	rBV2	91522	91569	3.14%	0.277%
81	14.351	2082	2085	2088	rVV	283639	290226	9.94%	0.879%
82	14.386	2088	2091	2094	rVB	130456	121147	4.15%	0.367%
83	14.433	2096	2099	2104	rVV3	129350	206176	7.06%	0.624%
84	14.474	2104	2106	2108	rVV	132085	123849	4.24%	0.375%
85	14.498	2108	2110	2113	rVB	97650	81736	2.80%	0.247%
86	14.733	2148	2150	2153	rBV3	73952	80056	2.74%	0.242%
87	15.004	2191	2196	2199	rBV	1176404	1854830	63.53%	5.616%
88	15.104	2210	2213	2217	rVB	210124	227346	7.79%	0.688%
89	15.298	2242	2246	2252	rVB	596195	825963	28.29%	2.501%
90	15.362	2252	2257	2262	rBV	1012146	1241275	42.52%	3.758%
91	15.421	2263	2267	2270	rVV	662970	887466	30.40%	2.687%
92	15.451	2270	2272	2278	rVB	313873	382976	13.12%	1.160%
93	16.856	2507	2511	2518	rVB2	332889	614405	21.04%	1.860%
94	17.292	2581	2585	2596	rVB	236219	459893	15.75%	1.392%

Sum of corrected areas: 33026592

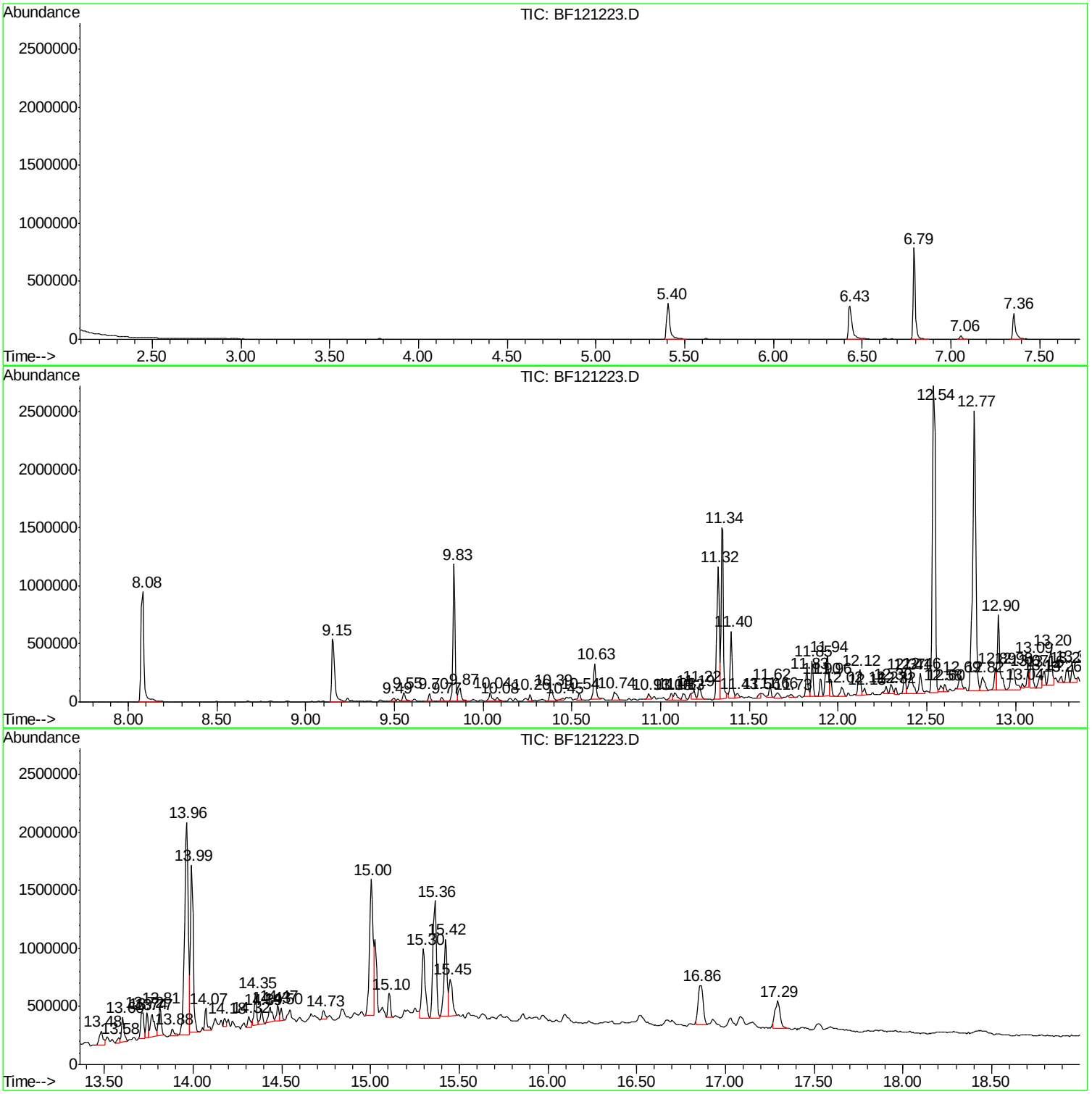
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080620\
Data File : BF121223.D
Acq On : 7 Aug 2020 1:42
Operator : JU/CG
Sample : L3502-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-03-080520

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\BF080620\
Data File : BF121223.D
Acq On : 7 Aug 2020 1:42
Operator : JU/CG
Sample : L3502-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-080520

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

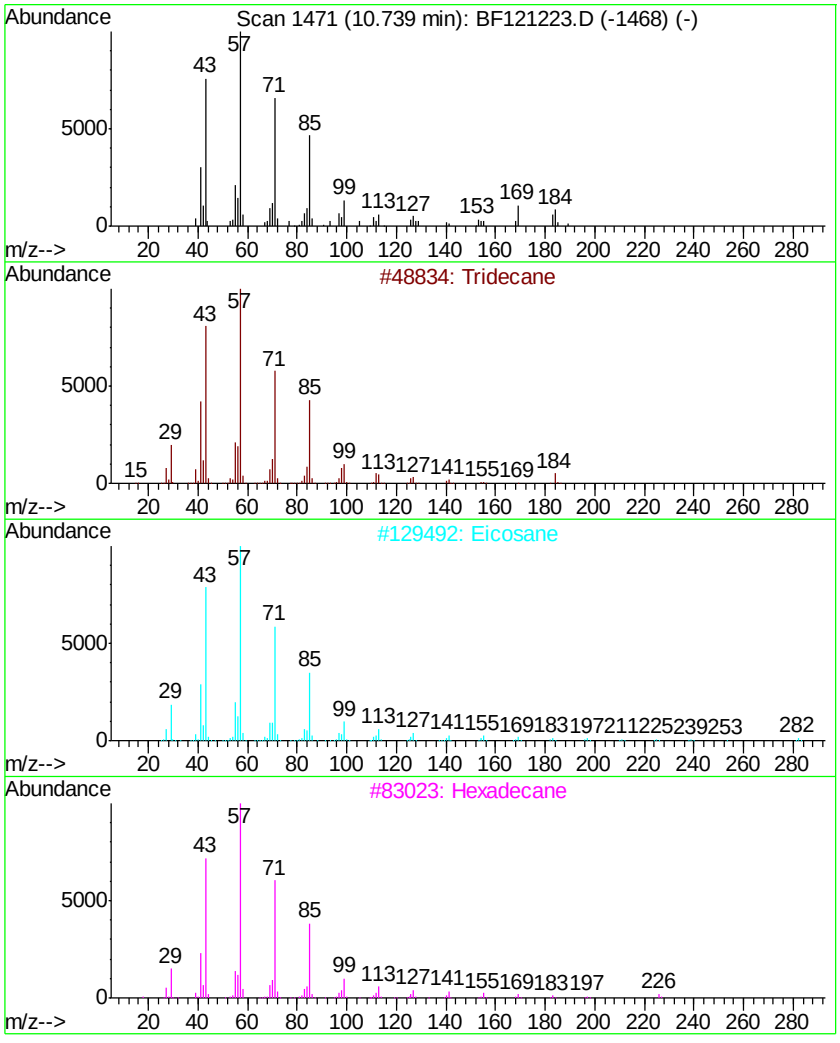
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

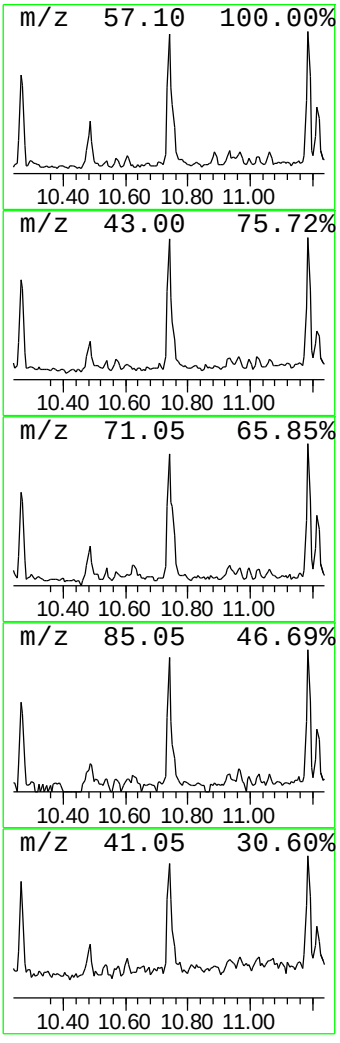
****

Peak Number 2 Tridecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.74	2.05 ng	104927	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	93
2	Eicosane	282	C20H42	000112-95-8	87
3	Hexadecane	226	C16H34	000544-76-3	86
4	Dodecane, 3-methyl-	184	C13H28	017312-57-1	83
5	Tetracosane	338	C24H50	000646-31-1	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080620\
Data File : BF121223.D
Acq On : 7 Aug 2020 1:42
Operator : JU/CG
Sample : L3502-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-080520

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

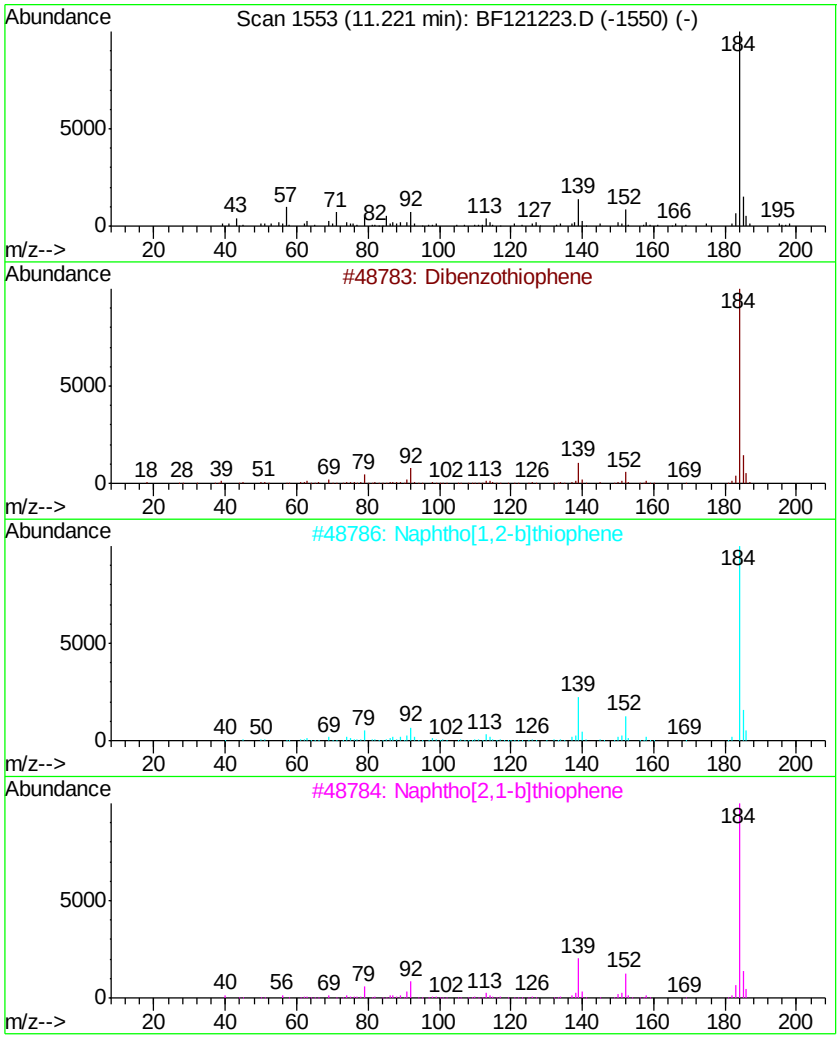
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

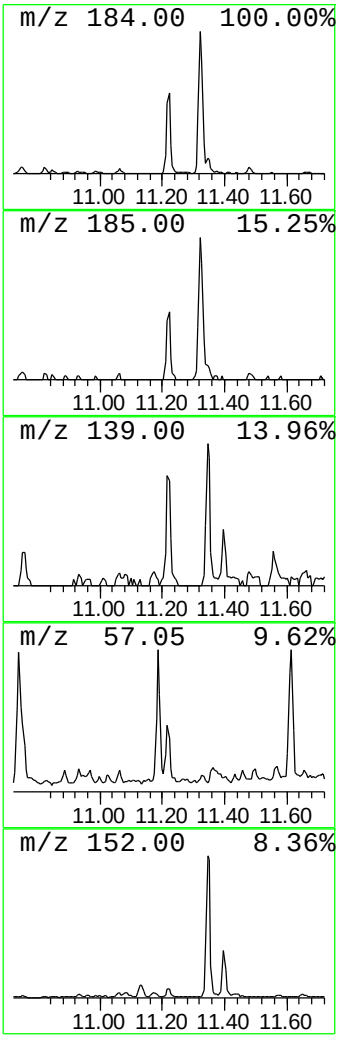
****

Peak Number 3 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	2.42 ng	123819	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080620\
Data File : BF121223.D
Acq On : 7 Aug 2020 1:42
Operator : JU/CG
Sample : L3502-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-080520

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

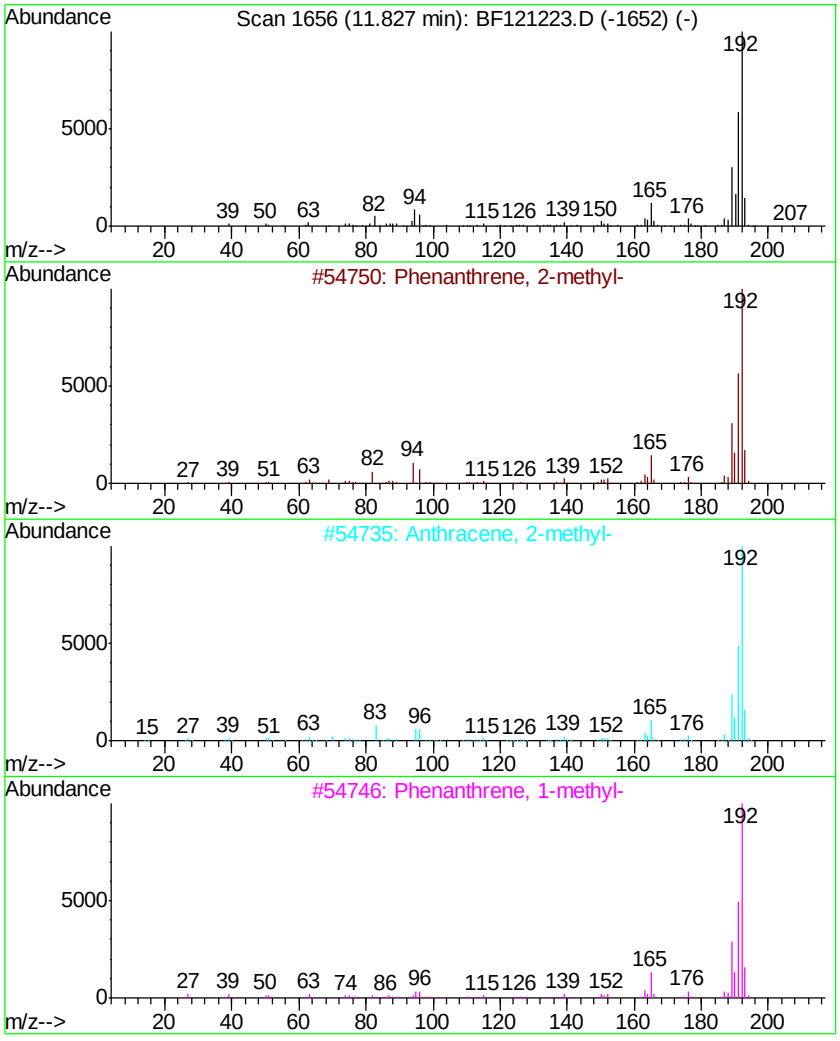
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

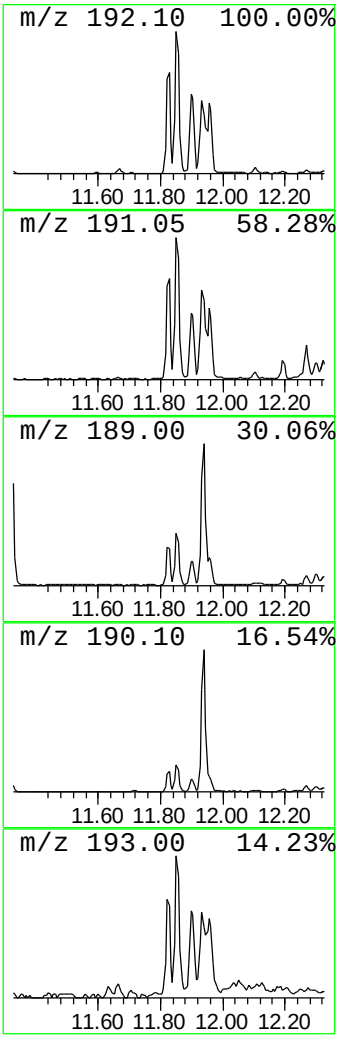
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	4.02 ng	206223	Phenanthrene-d10	11.32

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, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080620\
Data File : BF121223.D
Acq On : 7 Aug 2020 1:42
Operator : JU/CG
Sample : L3502-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-080520

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

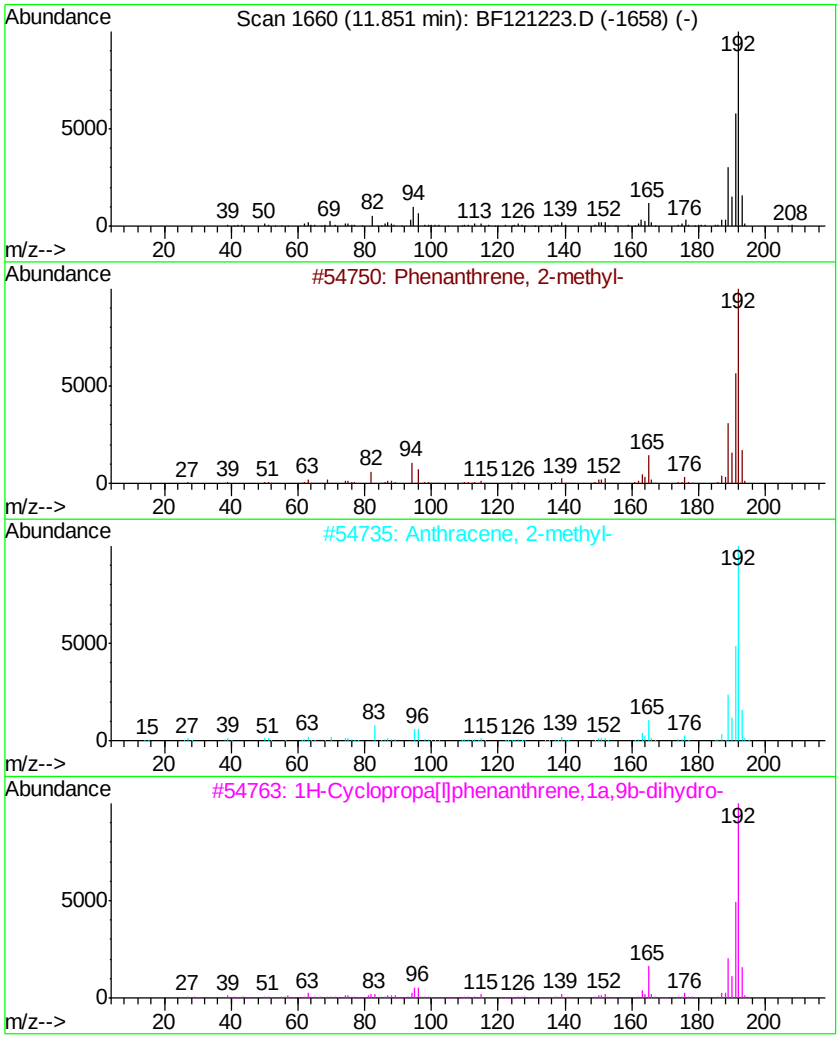
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

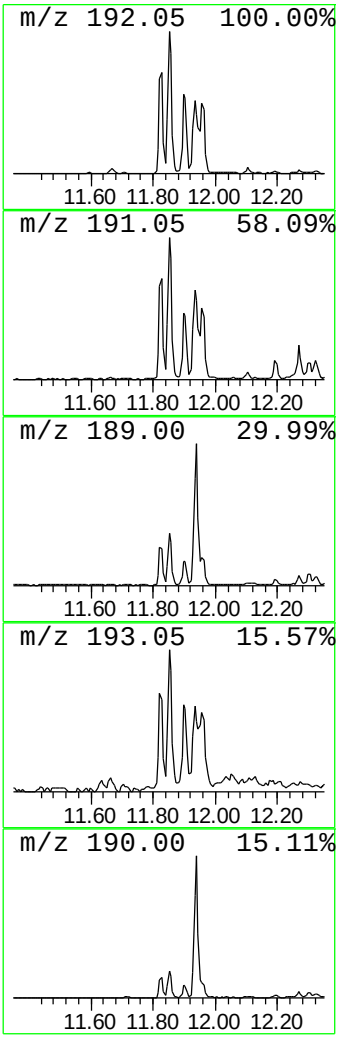
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	5.42 ng	277812	Phenanthrene-d10	11.32

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	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080620\
Data File : BF121223.D
Acq On : 7 Aug 2020 1:42
Operator : JU/CG
Sample : L3502-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-080520

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

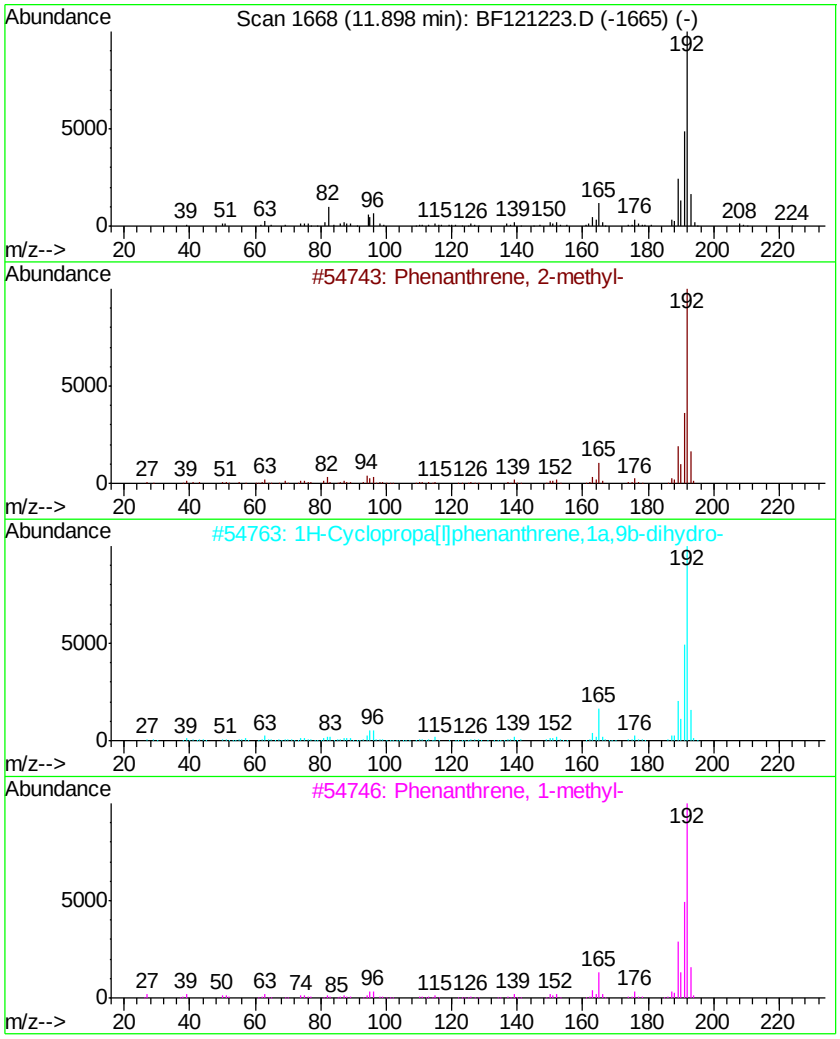
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

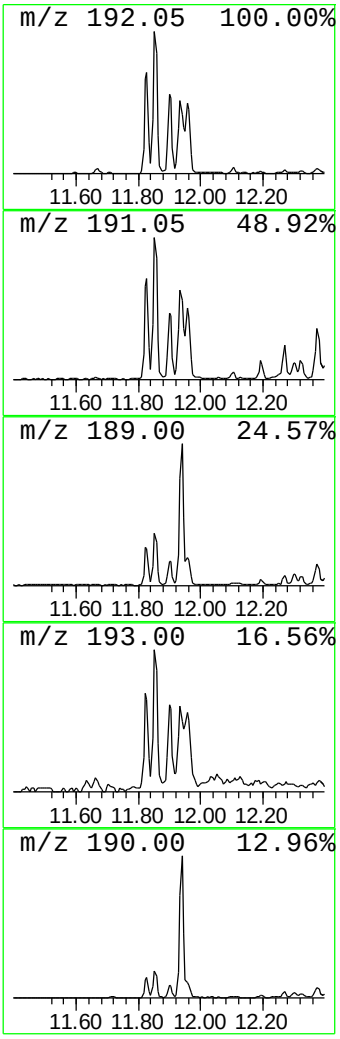
****

Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	2.93 ng	150388	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080620\
Data File : BF121223.D
Acq On : 7 Aug 2020 1:42
Operator : JU/CG
Sample : L3502-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-080520

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

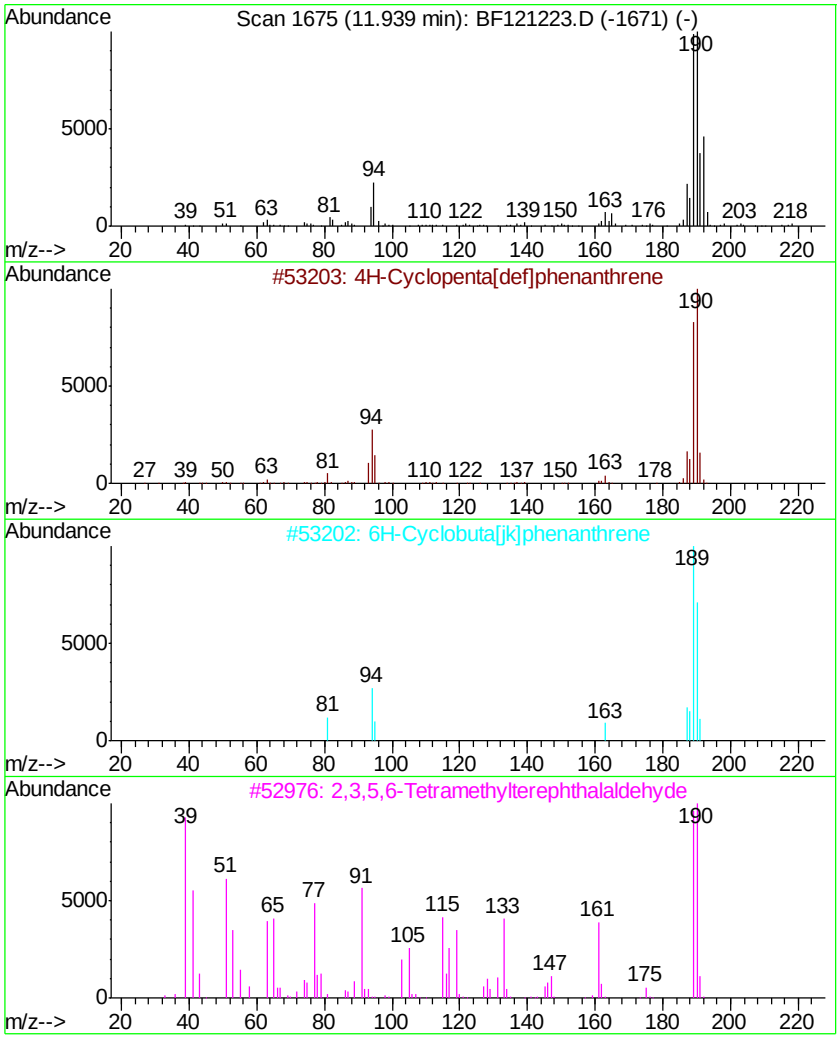
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

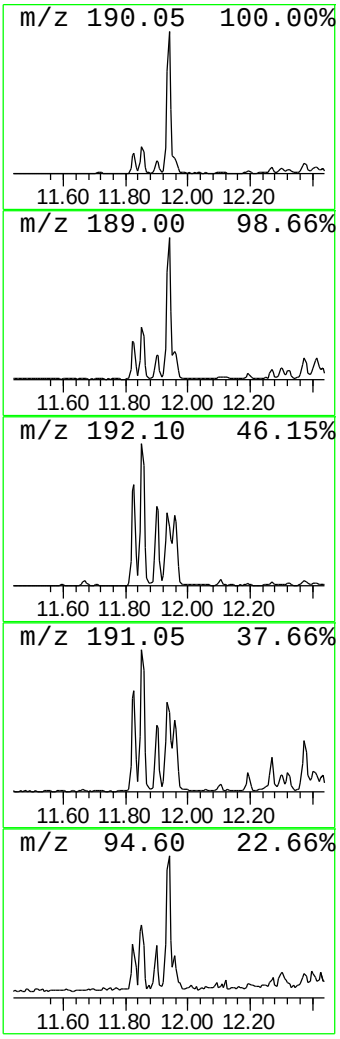
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	7.62 ng	390707	Phenanthrene-d10	11.32

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	59
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
4	Methyl diselenide	190	C2H6Se2	007101-31-7	46
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080620\
Data File : BF121223.D
Acq On : 7 Aug 2020 1:42
Operator : JU/CG
Sample : L3502-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-080520

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

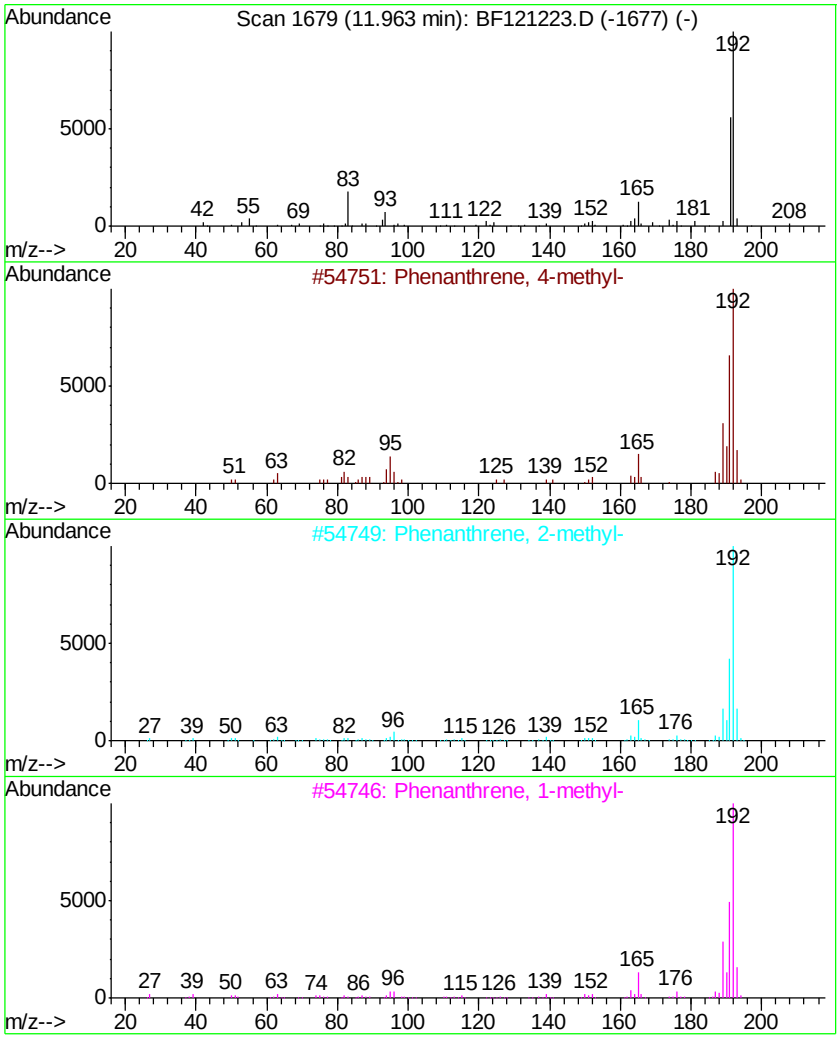
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

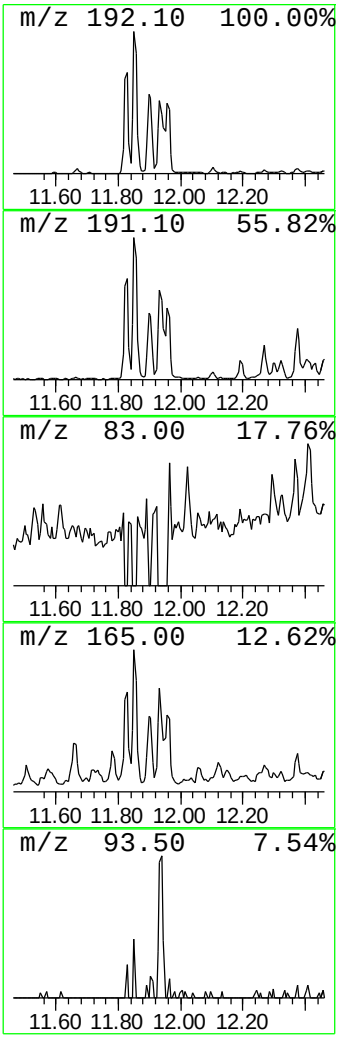
****

Peak Number 8 Phenanthrene, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	2.27 ng	116353	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	80
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080620\
Data File : BF121223.D
Acq On : 7 Aug 2020 1:42
Operator : JU/CG
Sample : L3502-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-080520

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

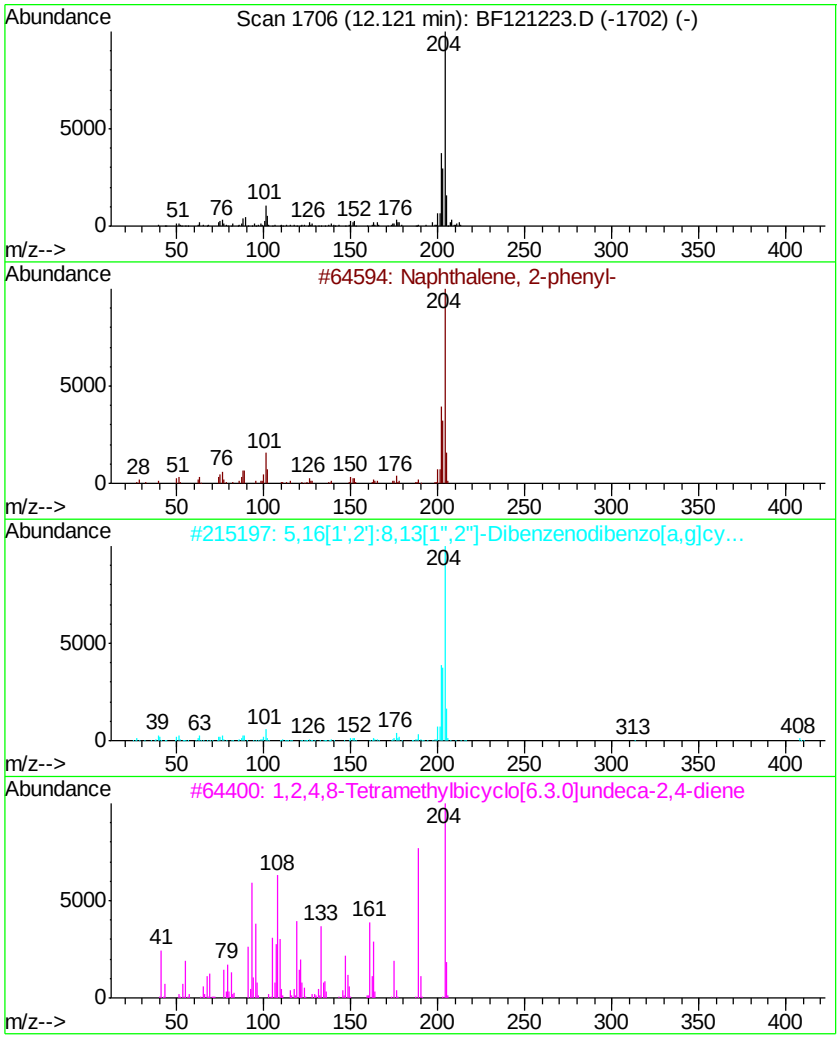
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

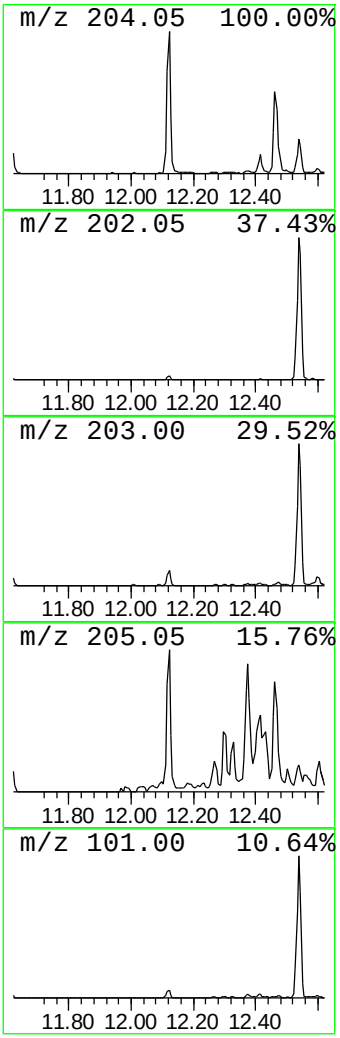
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	3.75 ng	192422	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	83
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080620\
Data File : BF121223.D
Acq On : 7 Aug 2020 1:42
Operator : JU/CG
Sample : L3502-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-080520

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

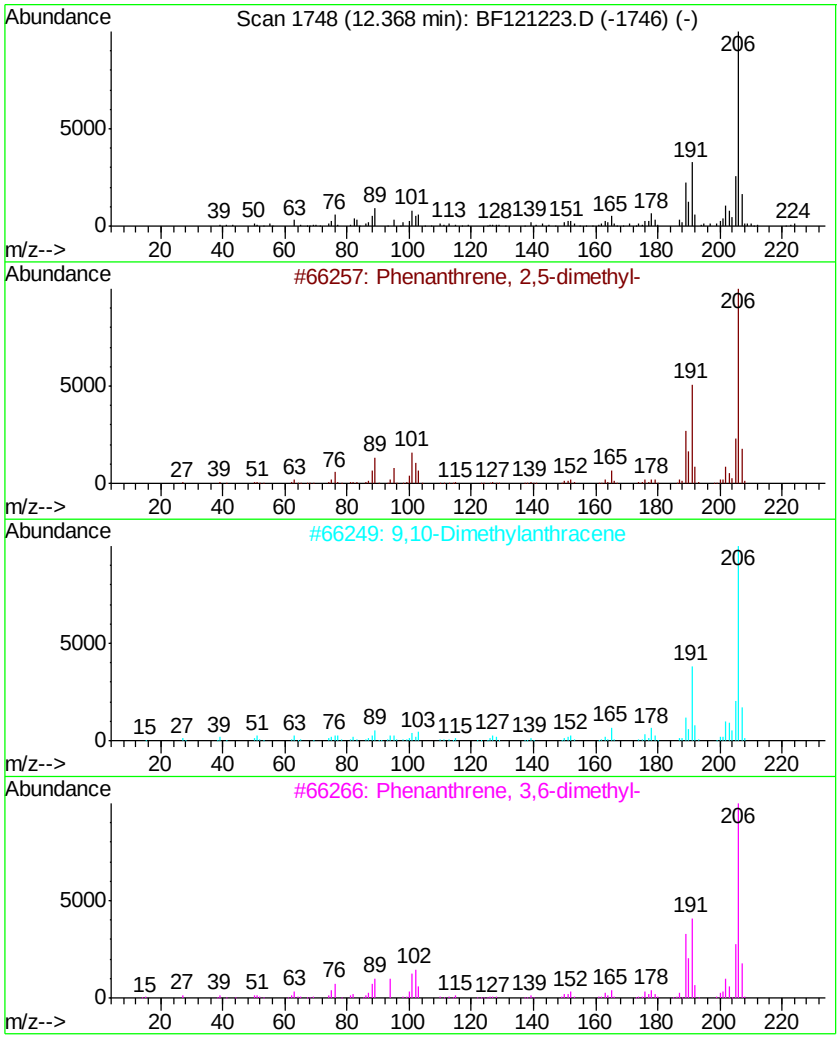
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

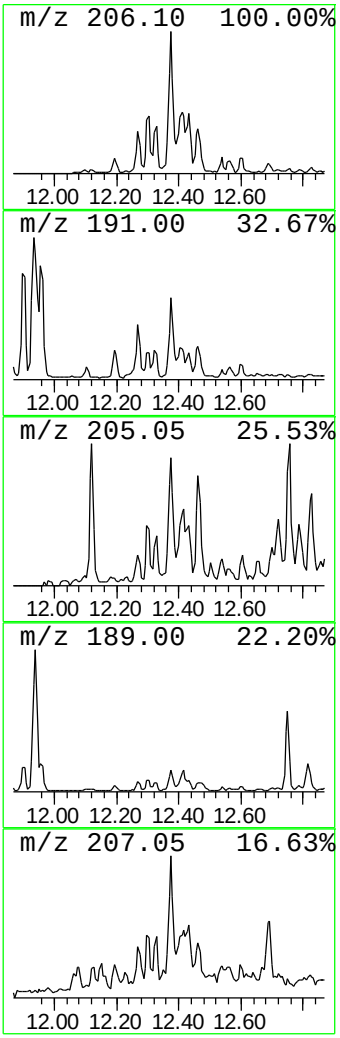
****

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	3.23 ng	165679	Phenanthrene-d10	11.32

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	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080620\
Data File : BF121223.D
Acq On : 7 Aug 2020 1:42
Operator : JU/CG
Sample : L3502-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-080520

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

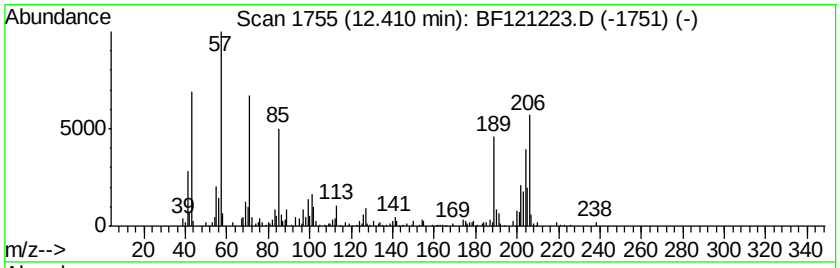
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

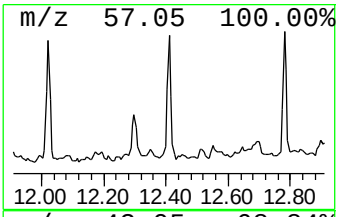
****

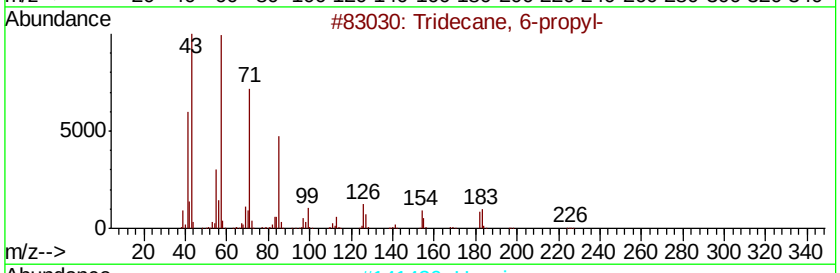
Peak Number 11 Tridecane, 6-propyl- Concentration Rank 5

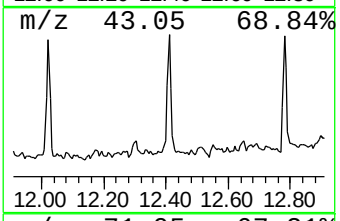
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	5.08 ng	260613	Phenanthrene-d10	11.32

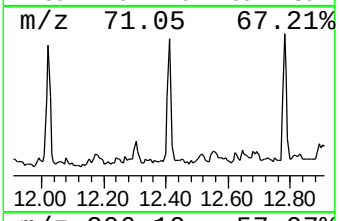
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-propyl-	226	C16H34	055045-10-8	52
2	Heneicosane	296	C21H44	000629-94-7	38
3	Tetracosane	338	C24H50	000646-31-1	30
4	Octadecane	254	C18H38	000593-45-3	30
5	2-Bromotetradecane	276	C14H29Br	074036-95-6	30

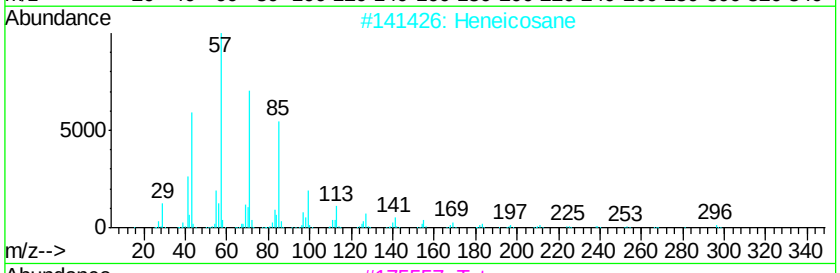


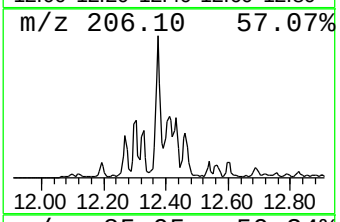


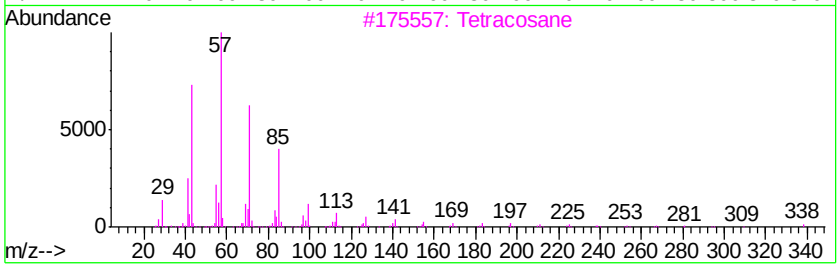


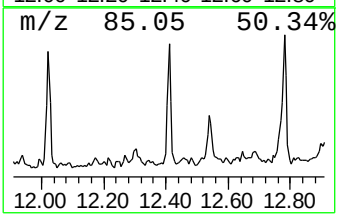












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080620\
Data File : BF121223.D
Acq On : 7 Aug 2020 1:42
Operator : JU/CG
Sample : L3502-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-080520

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

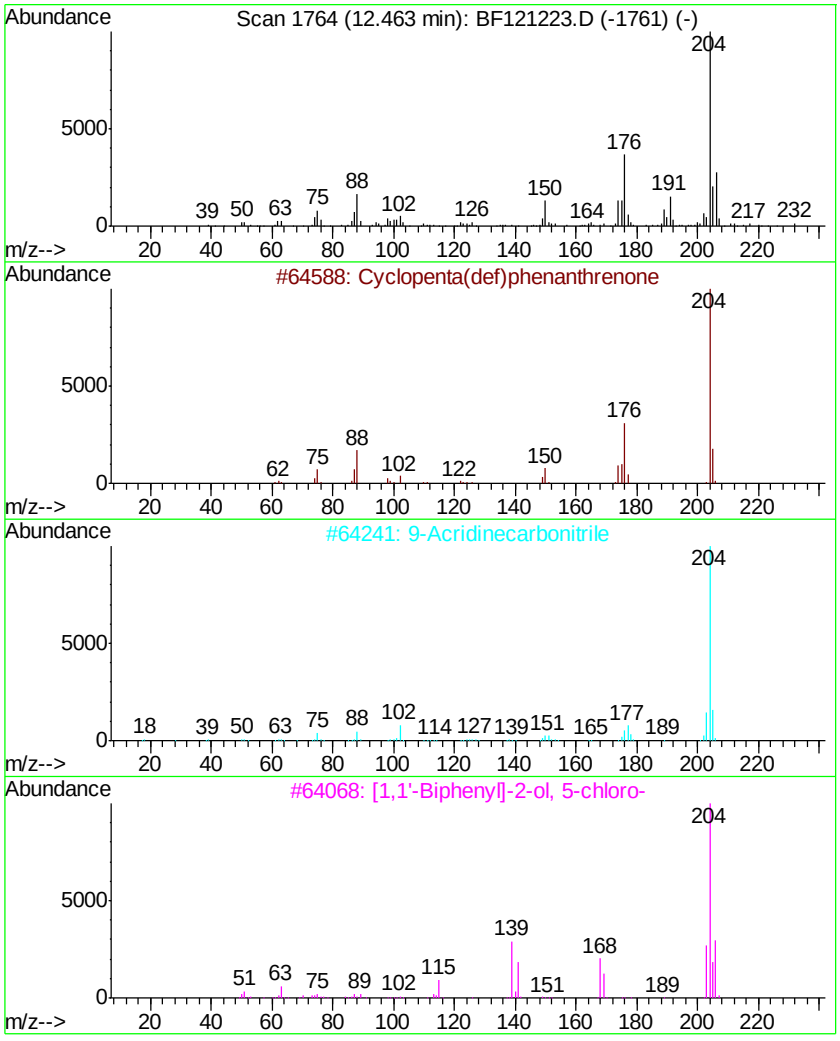
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

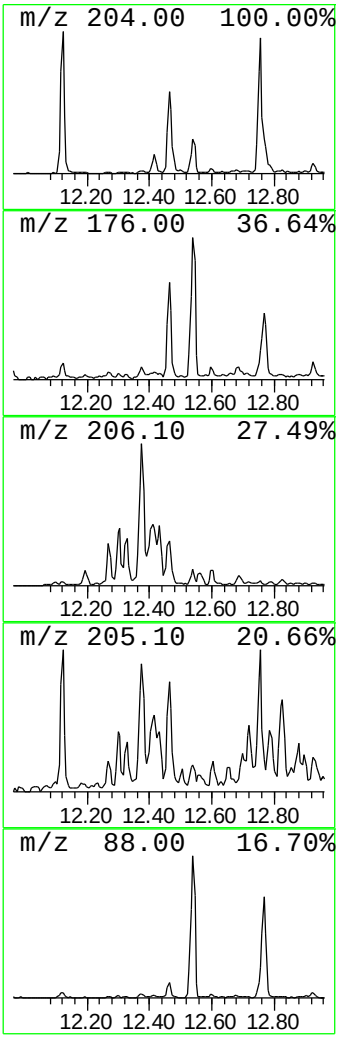
****

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	3.62 ng	185542	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	52
3	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47
4	L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	47
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080620\
Data File : BF121223.D
Acq On : 7 Aug 2020 1:42
Operator : JU/CG
Sample : L3502-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-080520

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

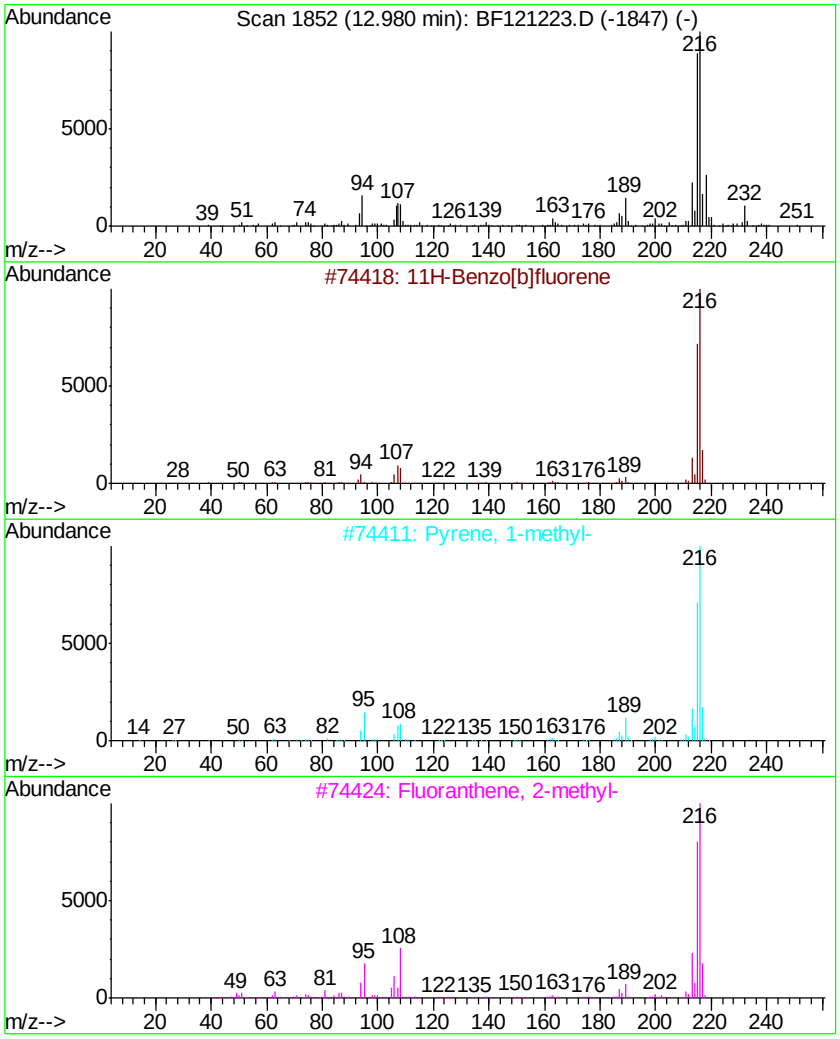
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

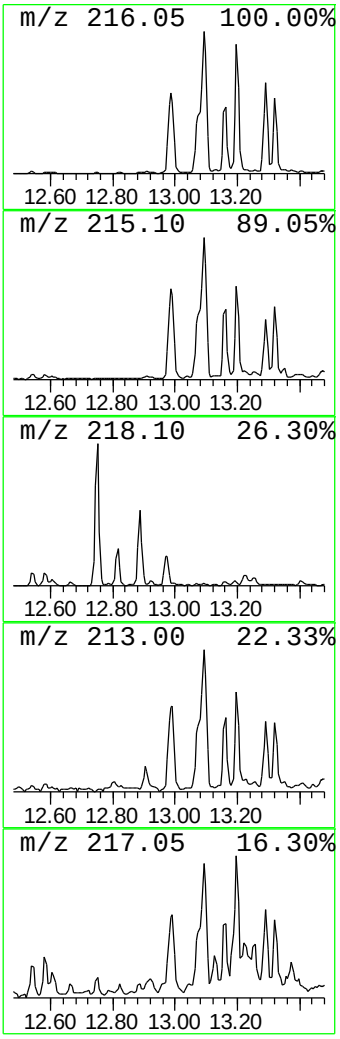
****

Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	2.76 ng	382175	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	68
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080620\
Data File : BF121223.D
Acq On : 7 Aug 2020 1:42
Operator : JU/CG
Sample : L3502-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-080520

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

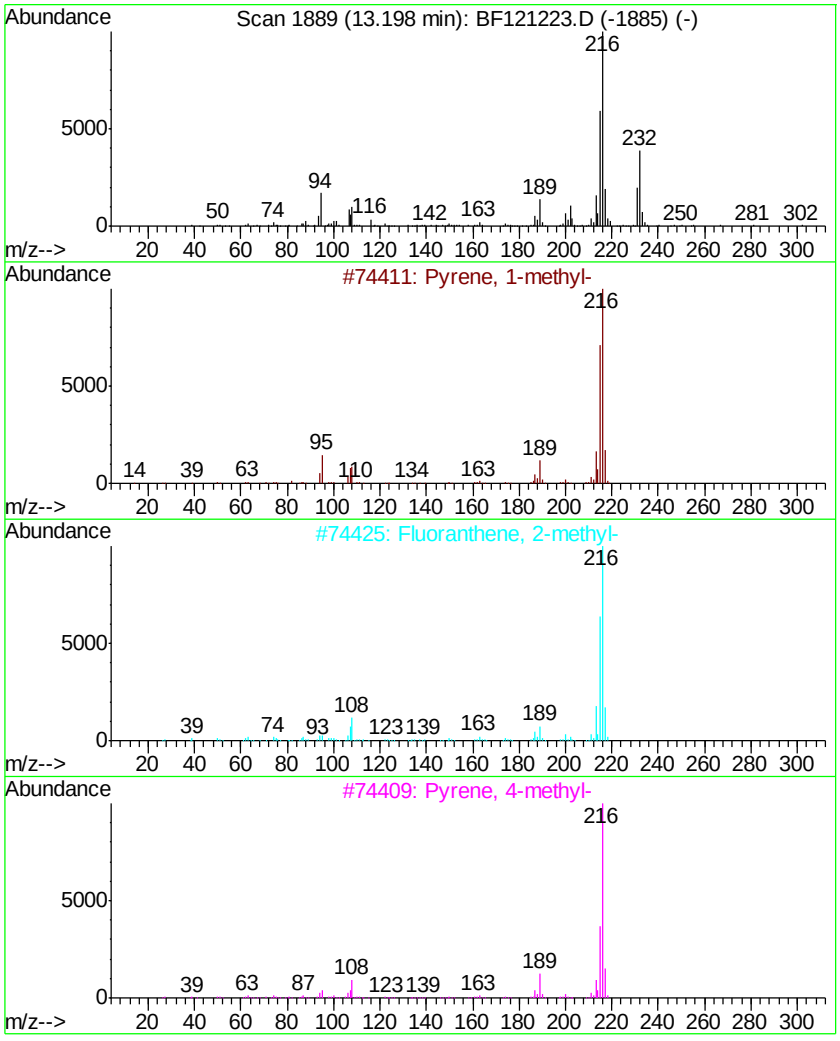
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

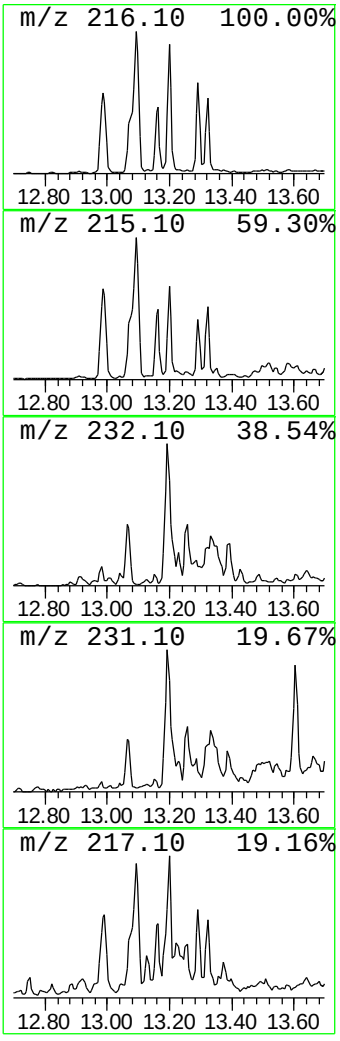
****

Peak Number 14 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	2.46 ng	339999	Chrysene-d12	13.97

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	93
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	90
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080620\
Data File : BF121223.D
Acq On : 7 Aug 2020 1:42
Operator : JU/CG
Sample : L3502-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-080520

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

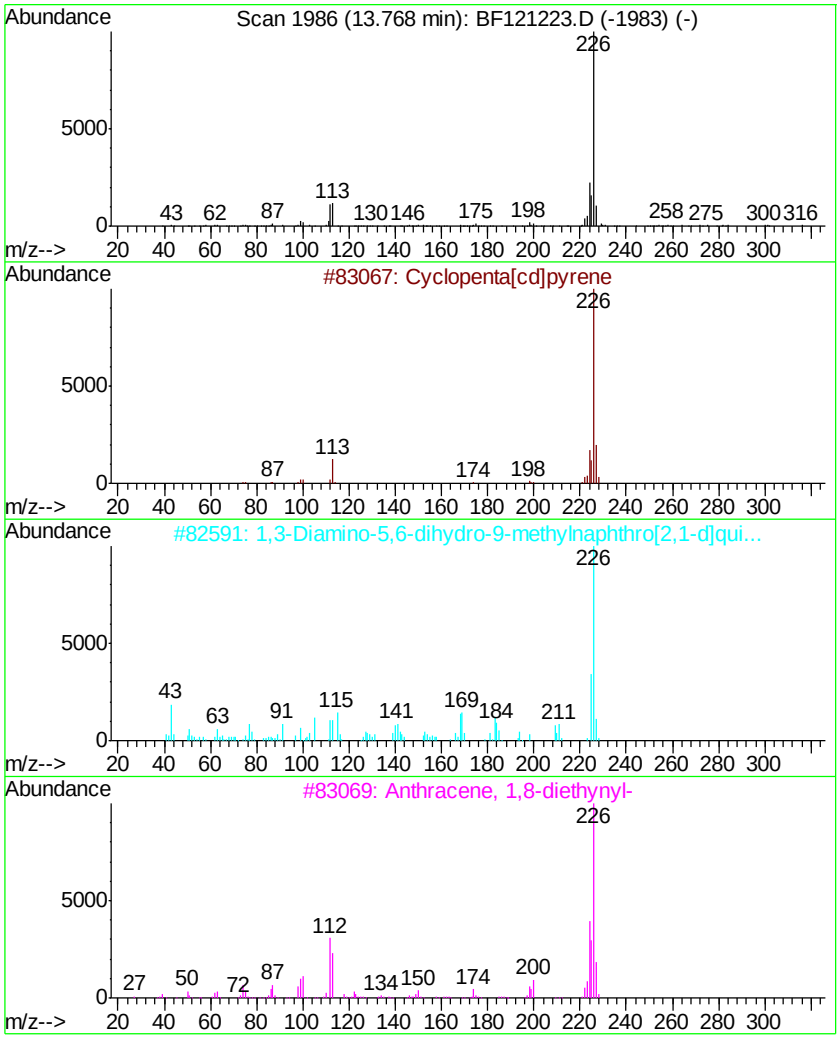
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

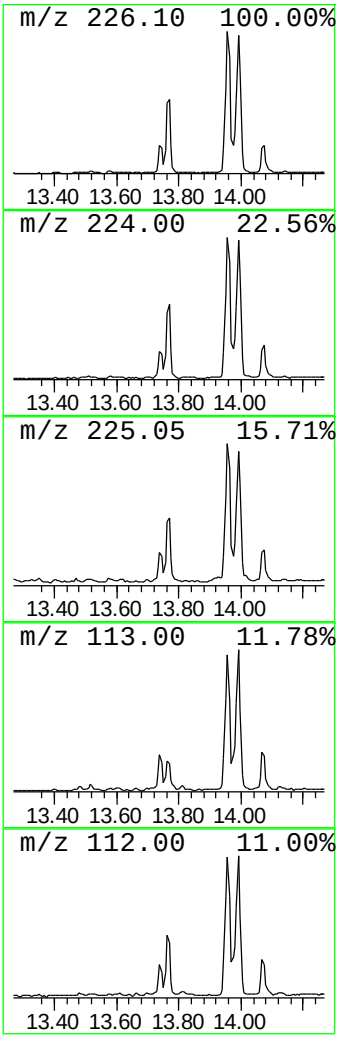
****

Peak Number 15 Cyclopenta[cd]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	2.22 ng	307530	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	76
2	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	42
3	Anthracene, 1,8-diethynyl-	226	C18H10	078053-58-4	37
4	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	33
5	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	27





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080620\
Data File : BF121223.D
Acq On : 7 Aug 2020 1:42
Operator : JU/CG
Sample : L3502-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-080520

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

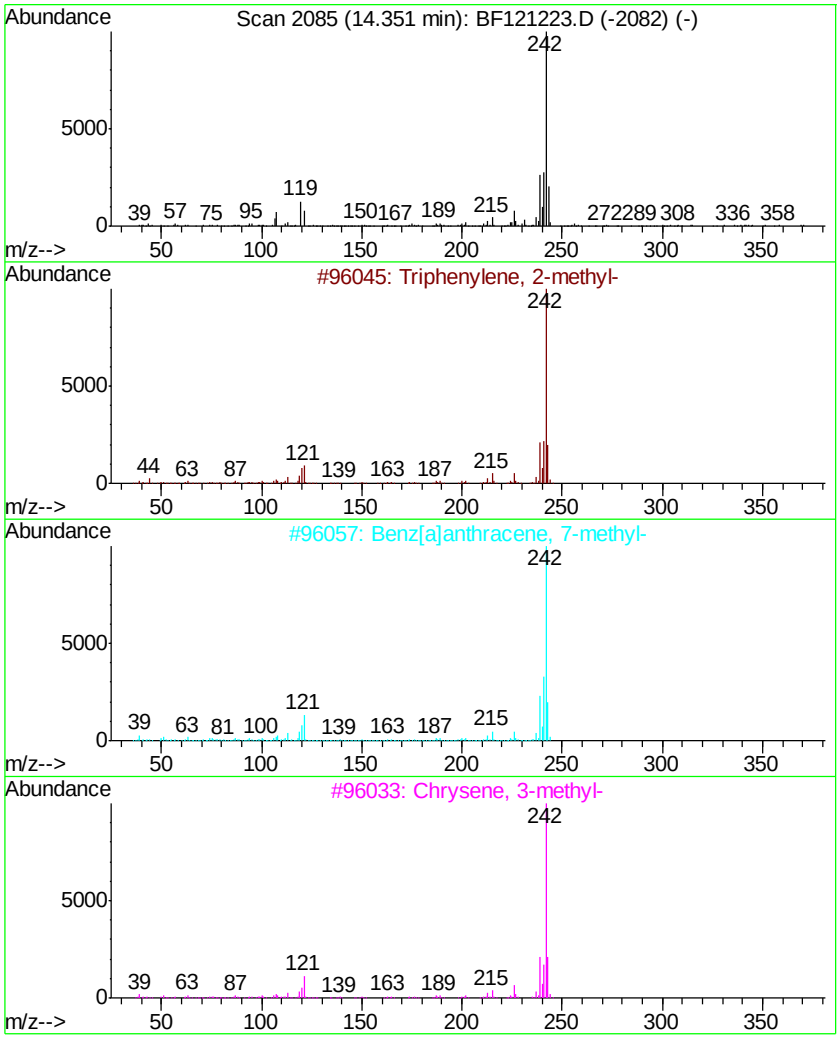
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

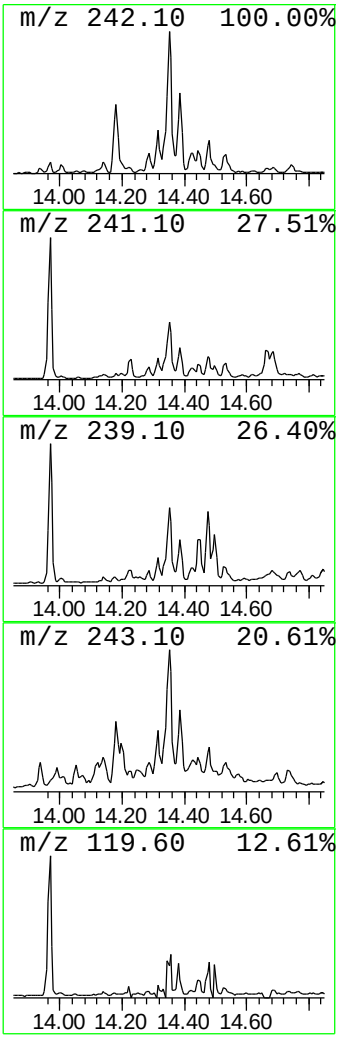
****

Peak Number 16 Triphenylene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.35	2.10 ng	290226	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	97
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
3	Chrysene, 3-methyl-	242	C19H14	003351-31-3	94
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	94
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080620\
Data File : BF121223.D
Acq On : 7 Aug 2020 1:42
Operator : JU/CG
Sample : L3502-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-080520

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

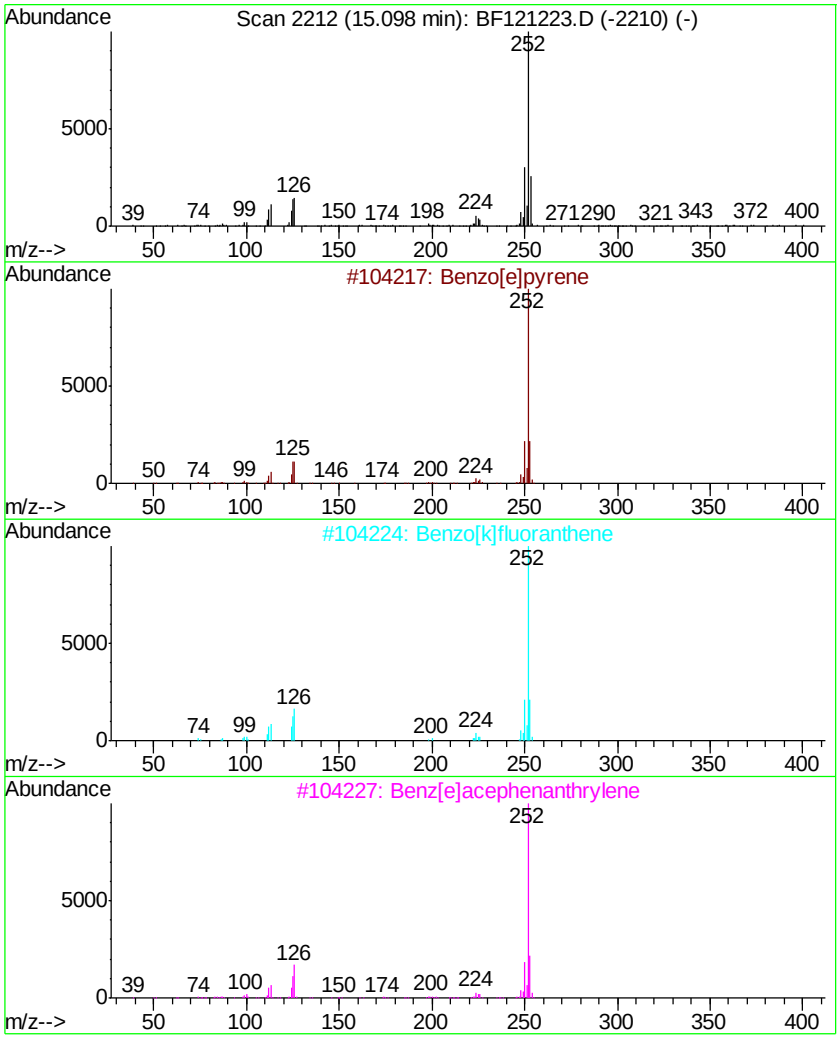
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

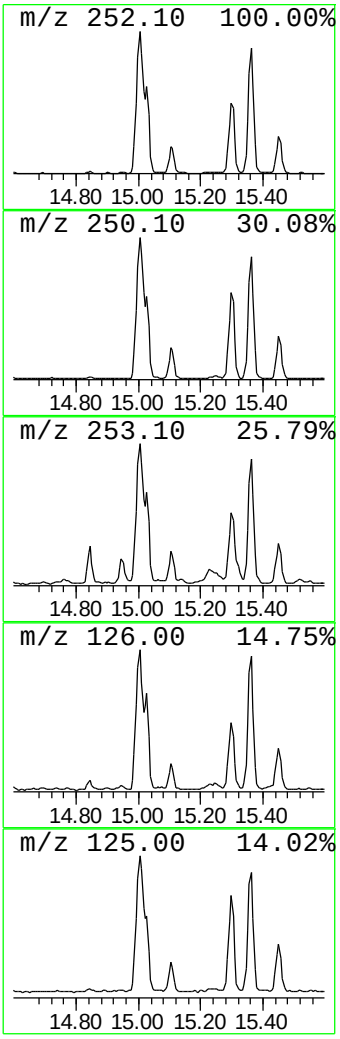
****

Peak Number 17 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	5.12 ng	227346	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[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Perylene	252	C20H12	000198-55-0	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080620\
Data File : BF121223.D
Acq On : 7 Aug 2020 1:42
Operator : JU/CG
Sample : L3502-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-080520

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
Tridecane	10.74	2.0	ng	104927	4	11.32	1025030	20.0
Dibenzothiophene	11.22	2.4	ng	123819	4	11.32	1025030	20.0
Phenanthrene, 2-m...	11.83	4.0	ng	206223	4	11.32	1025030	20.0
Anthracene, 2-met...	11.85	5.4	ng	277812	4	11.32	1025030	20.0
1H-Cyclopropa[l]p...	11.90	2.9	ng	150388	4	11.32	1025030	20.0
4H-Cyclopenta[def...	11.94	7.6	ng	390707	4	11.32	1025030	20.0
Phenanthrene, 4-m...	11.96	2.3	ng	116353	4	11.32	1025030	20.0
Naphthalene, 2-ph...	12.12	3.8	ng	192422	4	11.32	1025030	20.0
Phenanthrene, 2,5...	12.37	3.2	ng	165679	4	11.32	1025030	20.0
Tridecane, 6-propyl-	12.41	5.1	ng	260613	4	11.32	1025030	20.0
Cyclopenta(def)ph...	12.46	3.6	ng	185542	4	11.32	1025030	20.0
11H-Benzo[b]fluorene	12.98	2.8	ng	382175	5	13.97	2769580	20.0
Pyrene, 1-methyl-	13.20	2.5	ng	339999	5	13.97	2769580	20.0
Cyclopenta[cd]pyrene	13.77	2.2	ng	307530	5	13.97	2769580	20.0
Triphenylene, 2-m...	14.35	2.1	ng	290226	5	13.97	2769580	20.0
Benzo[e]pyrene	15.10	5.1	ng	227346	6	15.42	887466	20.0