LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106503.D
Acq On : 15 Jun 2018 20:19
Operator : JU/SJ
Sample : J3486-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-5

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-BF061118.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	5.190	481	485	493	rBV	109588	118980	5.55%	0.379%
2	5.607	553	556	563	rBV	1308356	1340728	62.58%	4.274%
3	6.607	722	726	735	rBV	1578867	1395665	65.14%	4.449%
4	6.742	745	749	753	rBV	1688559	1342073	62.64%	4.278%
5	6.966	783	787	790	rBV	957214	769143	35.90%	2.452%
6	7.119	809	813	817	rBV	1261421	1055830	49.28%	3.366%
7	7.525	878	882	885	rBV	994438	834303	38.94%	2.660%
8	7.672	903	907	909	rBV	69856	53279	2.49%	0.170%
9	8.248	1001	1005	1007	rBV	1144072	924054	43.13%	2.946%
10	8.266	1007	1008	1011	rVB	66991	44059	2.06%	0.140%
11	8.960	1123	1126	1129	rBV	34654	27239	1.27%	0.087%
12	9.319	1183	1187	1194	rBV	1675268	1370686	63.98%	4.369%
13	9.660	1240	1245	1248	rBV3	34962	36853	1.72%	0.117%
14	9.713	1251	1254	1259	rVB	145936	137582	6.42%	0.439%
15	9.760	1259	1262	1264	rBV	26754	22054	1.03%	0.070%
16	9.866	1275	1280	1285	rBV	96269	93451	4.36%	0.298%
17	9.919	1285	1289	1292	rVB	46569	40691	1.90%	0.130%
18	10.007	1300	1304	1307	rBV	1028720	855883	39.95%	2.728%
19	10.036	1307	1309	1313	rVB	122954	96060	4.48%	0.306%
20	10.207	1335	1338	1341	rVB2	49523	43153	2.01%	0.138%
21	10.295	1348	1353	1355	rBV3	18828	21830	1.02%	0.070%
22	10.419	1368	1374	1377	rVB2	58864	60843	2.84%	0.194%
23	10.554	1394	1397	1403	rBV	96878	89203	4.16%	0.284%
24	10.619	1403	1408	1410	rBV	42717	47565	2.22%	0.152%
25	10.707	1422	1423	1430	rVB4	25259	24698	1.15%	0.079%
26	10.795	1434	1438	1443	rBV	842743	715907	33.42%	2.282%
27	10.895	1452	1455	1464	rVB4	51625	94155	4.39%	0.300%
28	11.101	1484	1490	1493	rBV4	32894	55592	2.59%	0.177%
29	11.254	1513	1516	1521	rVB5	22245	23355	1.09%	0.074%
30	11.301	1521	1524	1527	rVB	47600	42119	1.97%	0.134%
31	11.342	1528	1531	1534	rBV2	48244	48239	2.25%	0.154%
32	11.395	1538	1540	1543	rVB	54600	44805	2.09%	0.143%
33	11.495	1554	1557	1559	rBV	880524	817436	38.15%	2.606%
34	11.525	1559	1562	1565	rVV	943935	854790	39.90%	2.725%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106503.D
Acq On : 15 Jun 2018 20:19
Operator : JU/SJ
Sample : J3486-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-5

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-BF061118.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.572	1567	1570	1573	rVV	343411	267477	12.48%	0.853%
36	11.607	1573	1576	1577	rVV2	39365	39849	1.86%	0.127%
37	11.625	1577	1579	1581	rVB	37691	31588	1.47%	0.101%
38	11.725	1591	1596	1601	rBV2	106124	123969	5.79%	0.395%
39	11.789	1605	1607	1611	rVV5	32363	28414	1.33%	0.091%
40	11.830	1611	1614	1618	rVB2	30327	32868	1.53%	0.105%
41	11.977	1636	1639	1640	rBV2	43239	40561	1.89%	0.129%
42	12.001	1640	1643	1645	rVV	120429	116799	5.45%	0.372%
43	12.025	1645	1647	1650	rVV	177937	152506	7.12%	0.486%
44	12.072	1652	1655	1658	rVV	78064	71945	3.36%	0.229%
45	12.113	1658	1662	1664	rBV	281586	284074	13.26%	0.906%
46	12.130	1664	1665	1669	rVB	91749	72549	3.39%	0.231%
47	12.189	1671	1675	1679	rBV3	205225	237003	11.06%	0.756%
48	12.295	1690	1693	1695	rBV	110612	91692	4.28%	0.292%
49	12.319	1695	1697	1701	rVB	97021	80074	3.74%	0.255%
50	12.442	1716	1718	1721	rVB2	35819	22861	1.07%	0.073%
51	12.472	1721	1723	1725	rVB	29870	22330	1.04%	0.071%
52	12.495	1725	1727	1730	rVB	36984	29812	1.39%	0.095%
53	12.548	1733	1736	1740	rBV2	89837	116761	5.45%	0.372%
54	12.589	1740	1743	1745	rVV3	65305	69321	3.24%	0.221%
55	12.636	1748	1751	1756	rVB	91301	101138	4.72%	0.322%
56	12.719	1761	1765	1768	rBV	1978924	1707234	79.69%	5.442%
57	12.754	1768	1771	1773	rBV2	37574	38117	1.78%	0.122%
58	12.777	1773	1775	1777	rVB2	49081	37997	1.77%	0.121%
59	12.807	1777	1780	1783	rVB	61654	47463	2.22%	0.151%
60	12.842	1783	1786	1788	rBV3	33555	45566	2.13%	0.145%
61	12.866	1788	1790	1792	rBV	48367	42315	1.98%	0.135%
62	12.948	1801	1804	1809	rVB	1768231	1671400	78.01%	5.328%
63	12.989	1809	1811	1815	rVB2	89236	88703	4.14%	0.283%
64	13.083	1819	1827	1829	rBV	1402533	1417501	66.16%	4.519%
65	13.166	1835	1841	1844	rBV2	125181	222276	10.37%	0.709%
66	13.195	1844	1846	1848	rBV	43089	35238	1.64%	0.112%
67	13.248	1851	1855	1856	rBV3	104209	126717	5.91%	0.404%
68	13.271	1856	1859	1862	rVB	340435	333987	15.59%	1.065%
69	13.336	1867	1870	1873	rVB	218714	178182	8.32%	0.568%
70	13.377	1873	1877	1879	rBV2	187788	206057	9.62%	0.657%
71	13.407	1879	1882	1885	rVV	67817	74181	3.46%	0.236%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106503.D
Acq On : 15 Jun 2018 20:19
Operator : JU/SJ
Sample : J3486-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-5

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-BF061118.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.471	1890	1893	1896	rVV	90344	94088	4.39%	0.300%
73	13.513	1896	1900	1904	rVB2	163700	206181	9.62%	0.657%
74	13.554	1904	1907	1910	rBV3	191870	178491	8.33%	0.569%
75	13.777	1943	1945	1952	rVB	131350	149988	7.00%	0.478%
76	13.895	1961	1965	1968	rBV3	158496	212226	9.91%	0.677%
77	13.924	1968	1970	1972	rVV	187917	152667	7.13%	0.487%
78	13.948	1972	1974	1975	rVV	173098	149193	6.96%	0.476%
79	13.989	1979	1981	1985	rVB	161931	140690	6.57%	0.448%
80	14.113	1999	2002	2004	rBV2	168279	191620	8.94%	0.611%
81	14.148	2004	2008	2011	rVV3	1432251	2142456	100.00%	6.830%
82	14.177	2011	2013	2018	rVB	1020277	836380	39.04%	2.666%
83	14.260	2024	2027	2031	rBV	202553	206388	9.63%	0.658%
84	14.377	2043	2047	2050	rBV2	83474	123956	5.79%	0.395%
85	14.542	2073	2075	2078	rVB	179630	154191	7.20%	0.492%
86	14.577	2079	2081	2084	rVB	82203	63950	2.98%	0.204%
87	14.671	2095	2097	2099	rBV	106858	90254	4.21%	0.288%
88	14.695	2099	2101	2105	rVB2	131690	116049	5.42%	0.370%
89	15.236	2188	2193	2196	rBV	653587	1125392	52.53%	3.588%
90	15.348	2209	2212	2215	rVB	128645	126565	5.91%	0.403%
91	15.554	2243	2247	2253	rVB	412412	550657	25.70%	1.755%
92	15.618	2254	2258	2265	rVV	567284	787208	36.74%	2.509%
93	15.689	2265	2270	2273	rVV	500727	695708	32.47%	2.218%
94	15.718	2273	2275	2282	rVB2	168461	217414	10.15%	0.693%
95	17.248	2530	2535	2543	rVB2	214626	441509	20.61%	1.407%
96	17.724	2611	2616	2627	rVB	164918	367355	17.15%	1.171%

Sum of corrected areas: 31369404

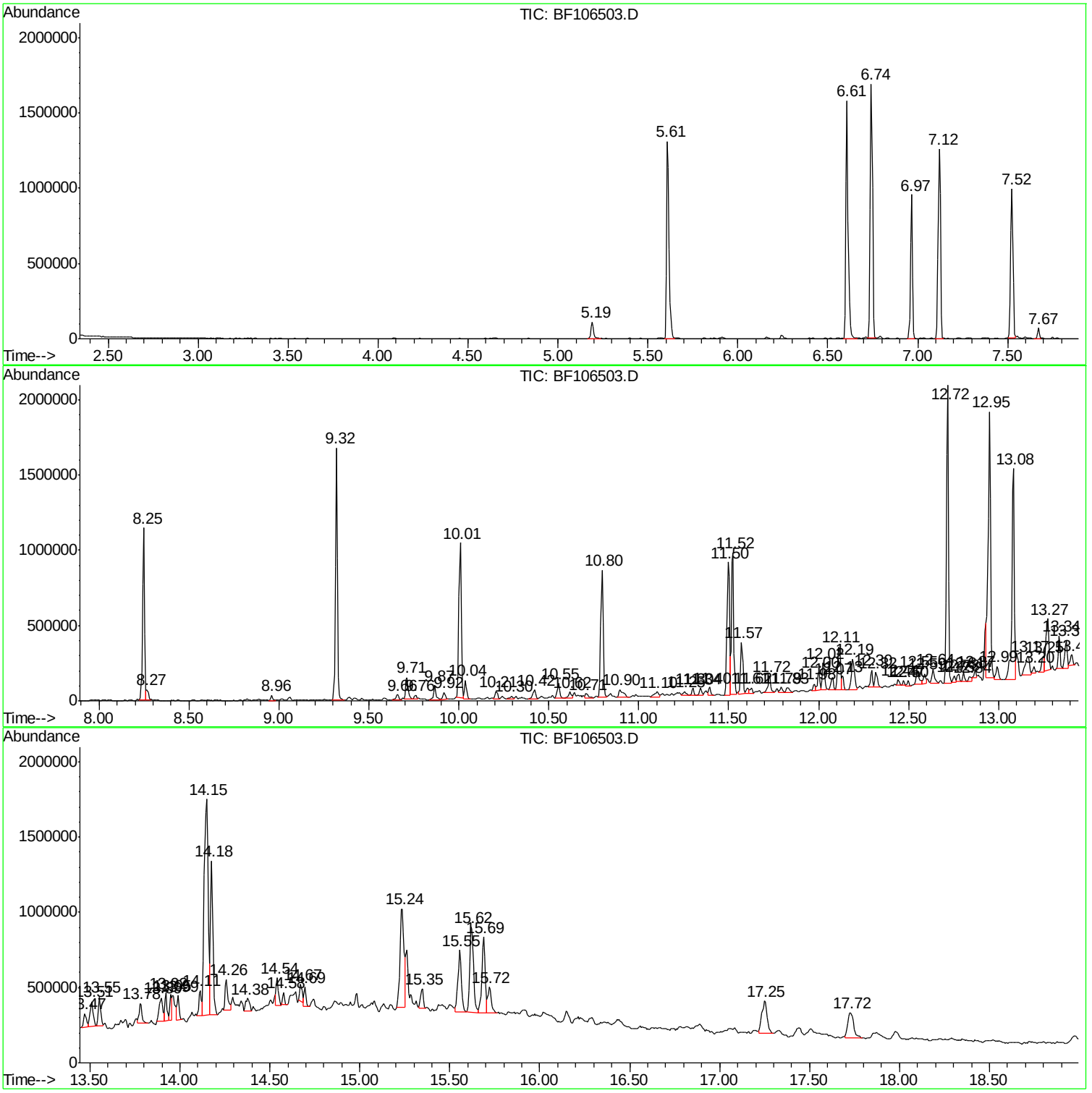
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106503.D
Acq On : 15 Jun 2018 20:19
Operator : JU/SJ
Sample : J3486-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.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\BF061518\
Data File : BF106503.D
Acq On : 15 Jun 2018 20:19
Operator : JU/SJ
Sample : J3486-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

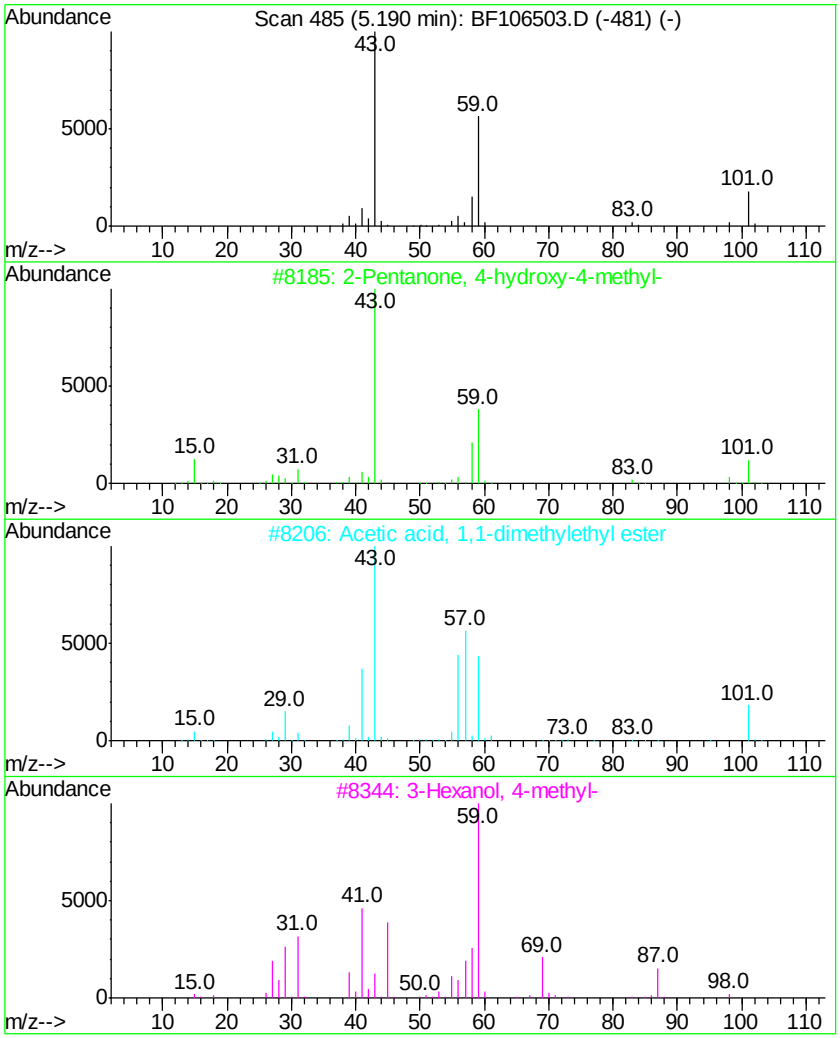
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

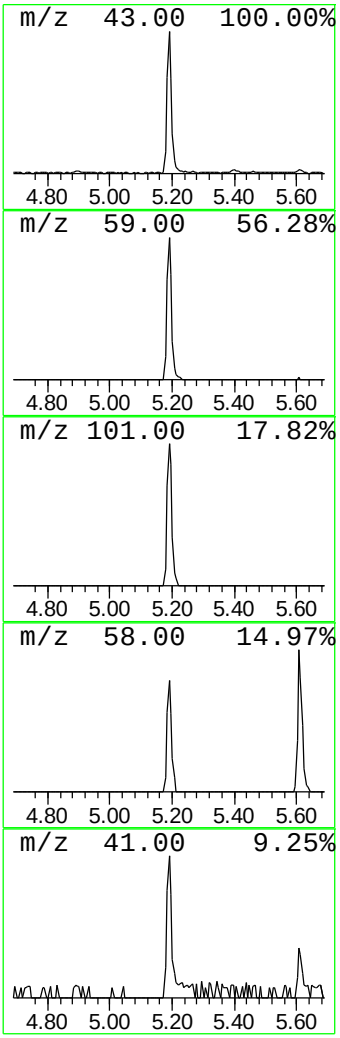
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.19	3.09 ng	118980	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106503.D
Acq On : 15 Jun 2018 20:19
Operator : JU/SJ
Sample : J3486-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

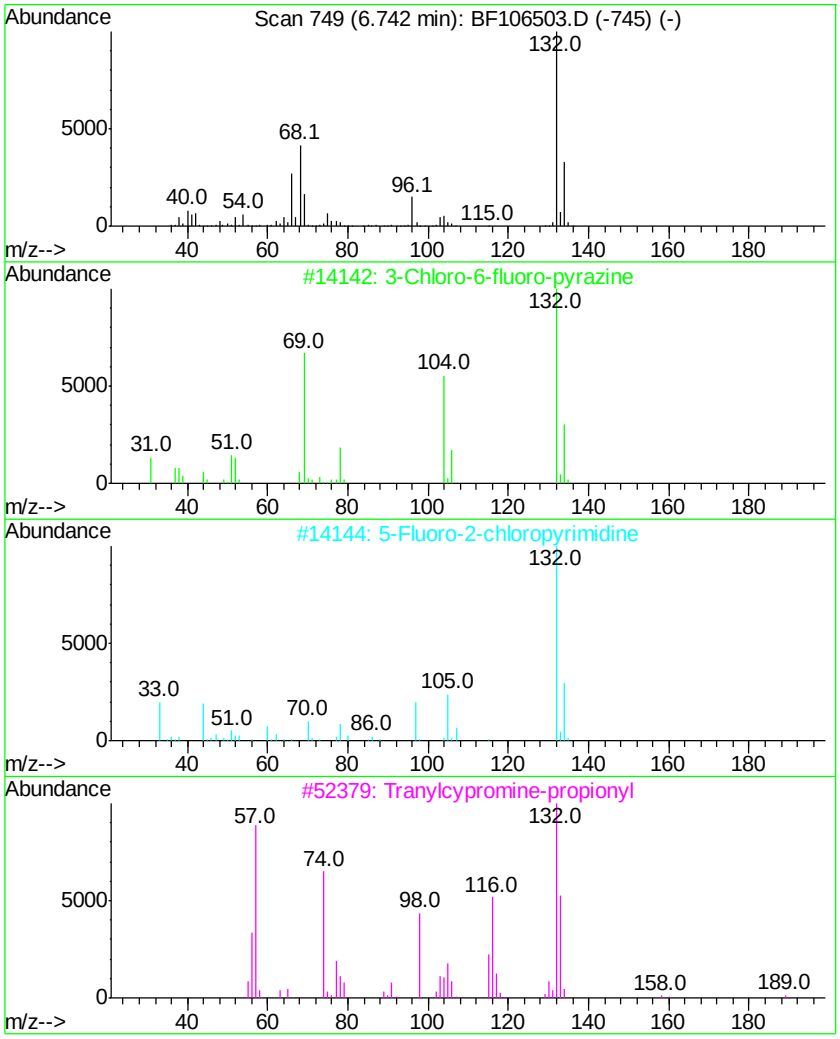
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

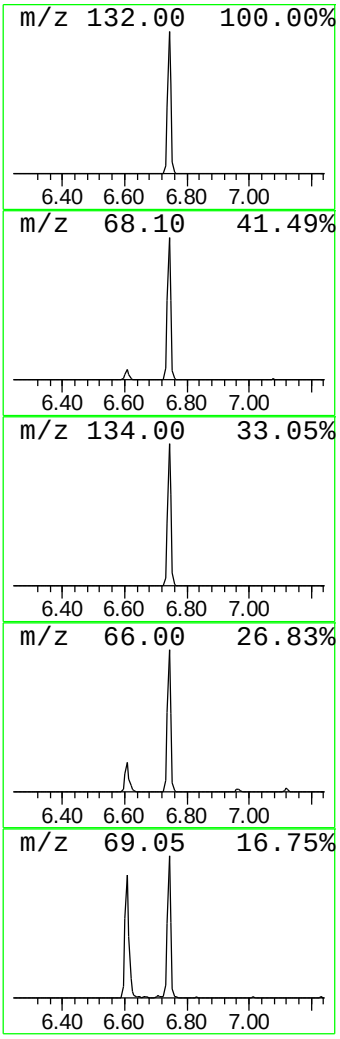
****

Peak Number 2 unknown6.74 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	34.90 ng	1342070	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106503.D
Acq On : 15 Jun 2018 20:19
Operator : JU/SJ
Sample : J3486-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

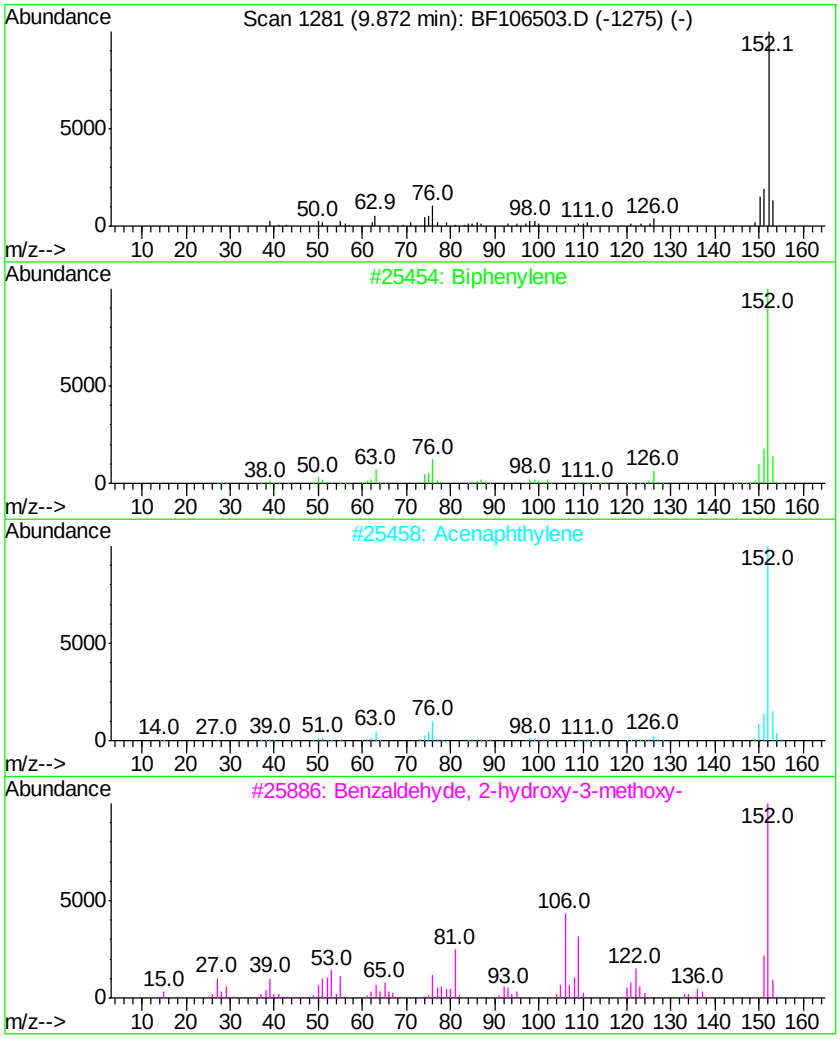
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

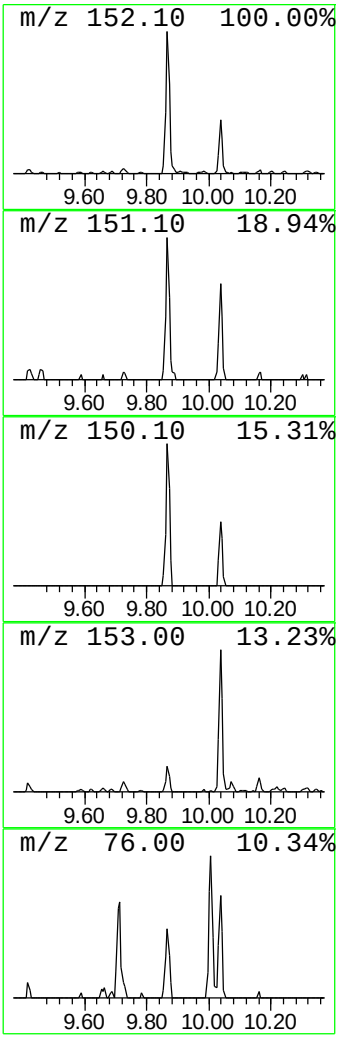
****

Peak Number 4 Biphenylene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.87	2.18 ng	93451	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenylene	152	C12H8	000259-79-0	91
2	Acenaphthylene	152	C12H8	000208-96-8	87
3	Benzaldehyde, 2-hydroxy-3-methoxy-	152	C8H8O3	000148-53-8	50
4	1-acenaphthenol, trifluoroacetat...	266	C14H9F3O2	1000376-45-2	47
5	Benzaldehyde, 2-hydroxy-5-methoxy-	152	C8H8O3	000672-13-9	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106503.D
Acq On : 15 Jun 2018 20:19
Operator : JU/SJ
Sample : J3486-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

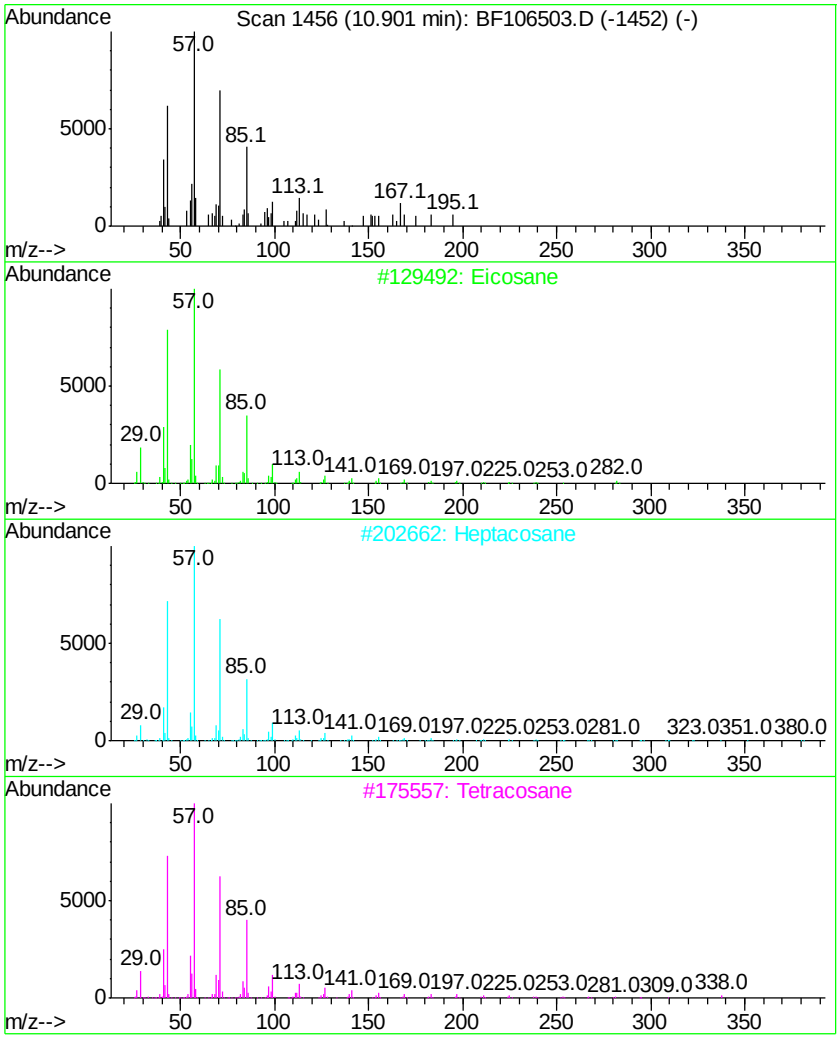
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

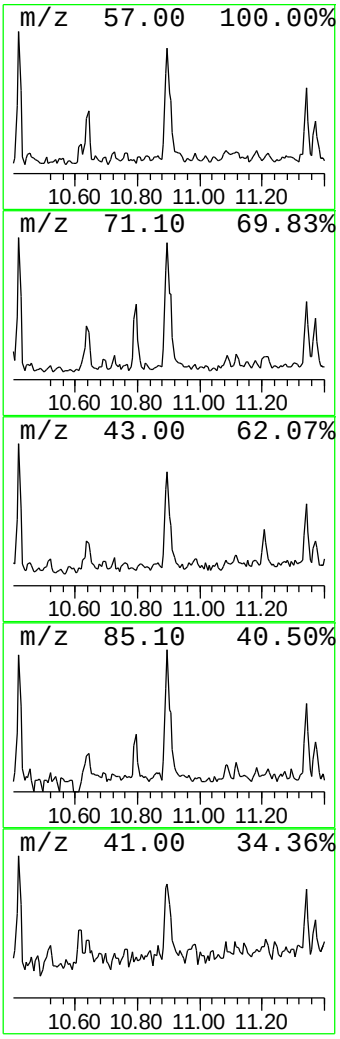
****

Peak Number 5 Eicosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	2.30 ng	94155	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	86
2	Heptacosane	380	C27H56	000593-49-7	86
3	Tetracosane	338	C24H50	000646-31-1	83
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80
5	Octadecane	254	C18H38	000593-45-3	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106503.D
Acq On : 15 Jun 2018 20:19
Operator : JU/SJ
Sample : J3486-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

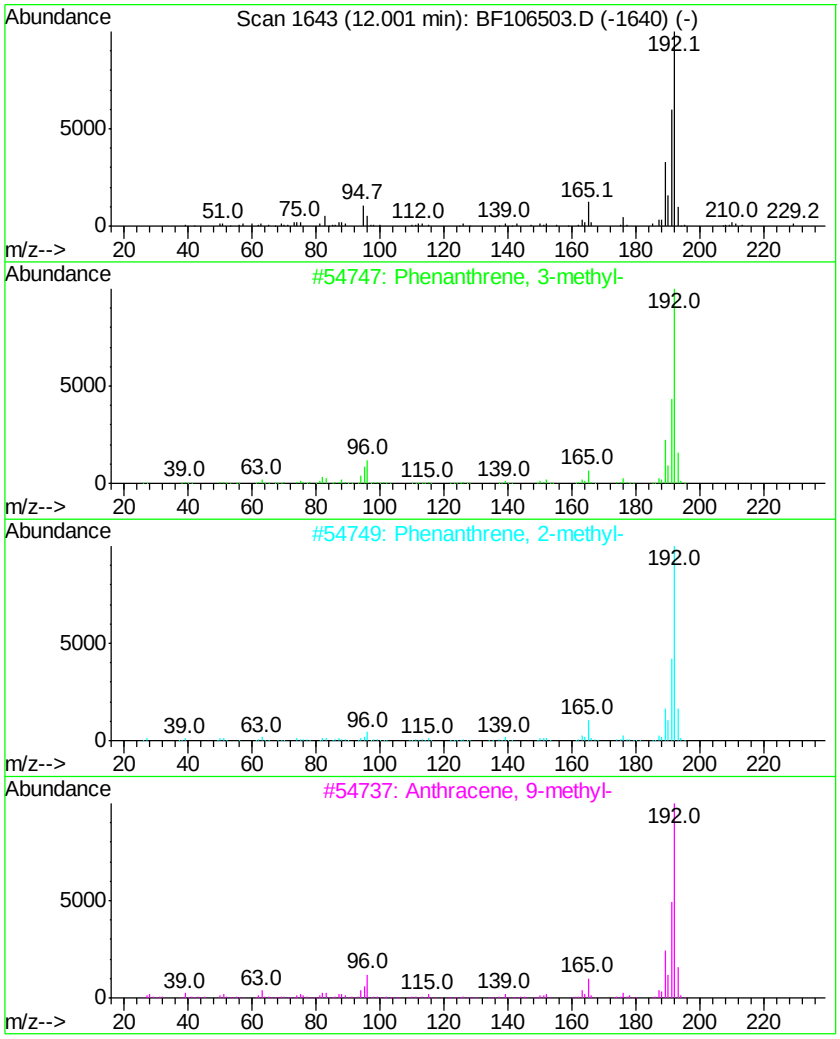
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

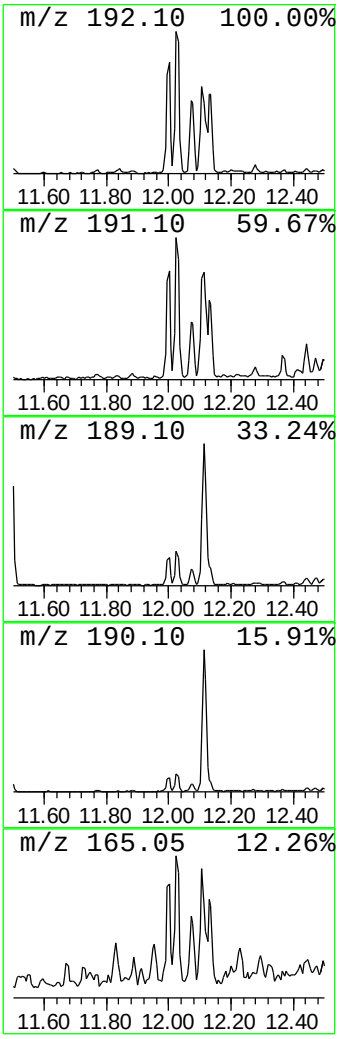
****

Peak Number 6 Phenanthrene, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	2.86 ng	116799	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	81
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	74
4	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	74
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	74





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106503.D
Acq On : 15 Jun 2018 20:19
Operator : JU/SJ
Sample : J3486-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

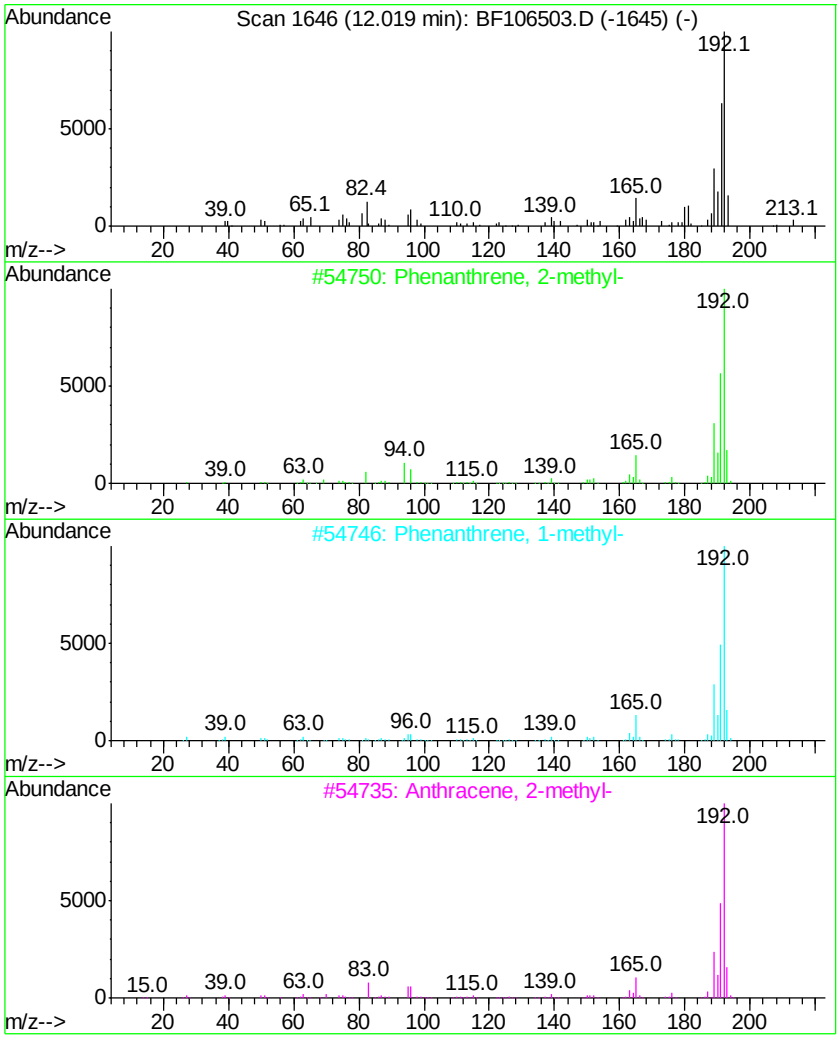
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

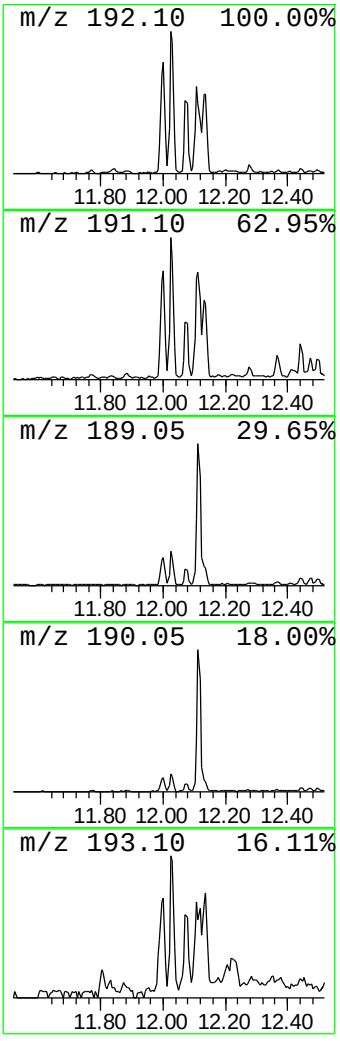
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	3.73 ng	152506	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106503.D
Acq On : 15 Jun 2018 20:19
Operator : JU/SJ
Sample : J3486-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

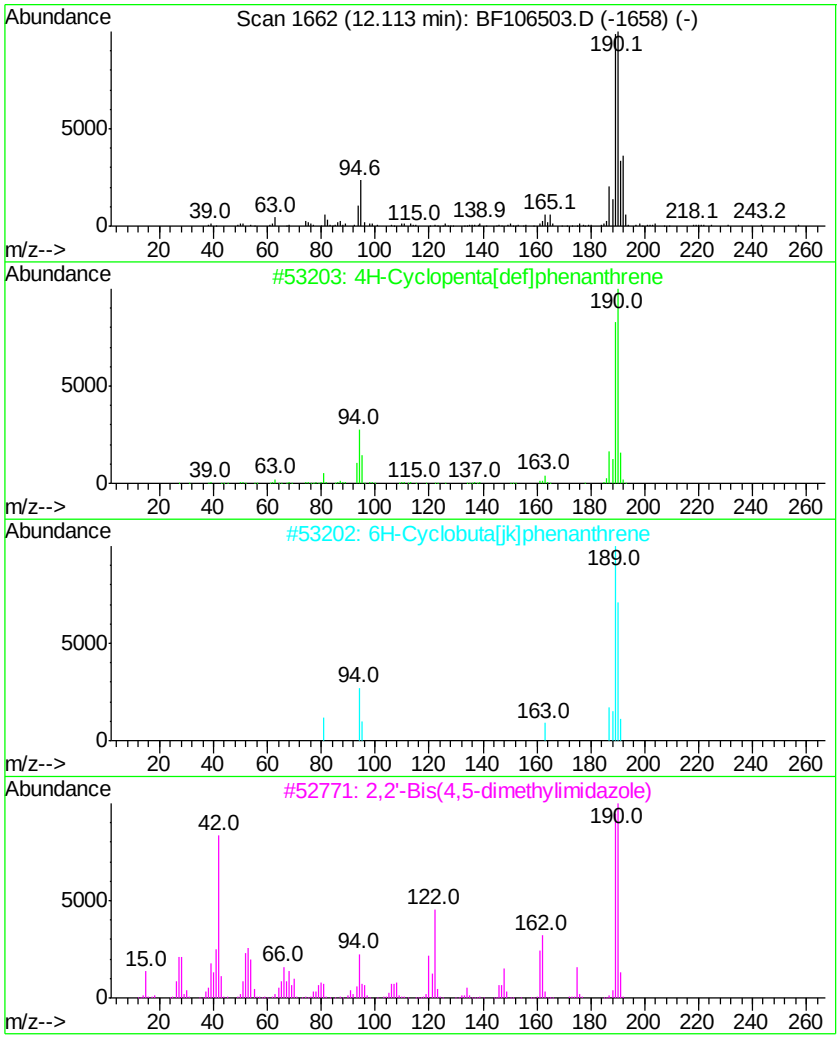
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

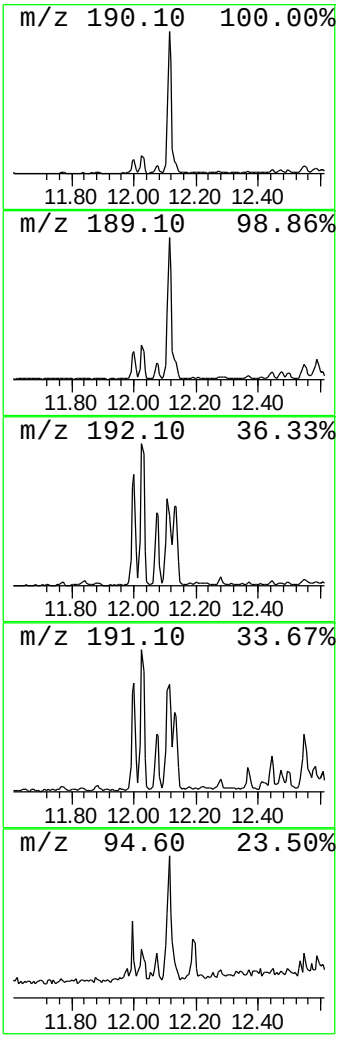
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	6.95 ng	284074	Phenanthrene-d10	11.50

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	72
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	Methyl diselenide	190	C2H6Se2	007101-31-7	43
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	35





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106503.D
Acq On : 15 Jun 2018 20:19
Operator : JU/SJ
Sample : J3486-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

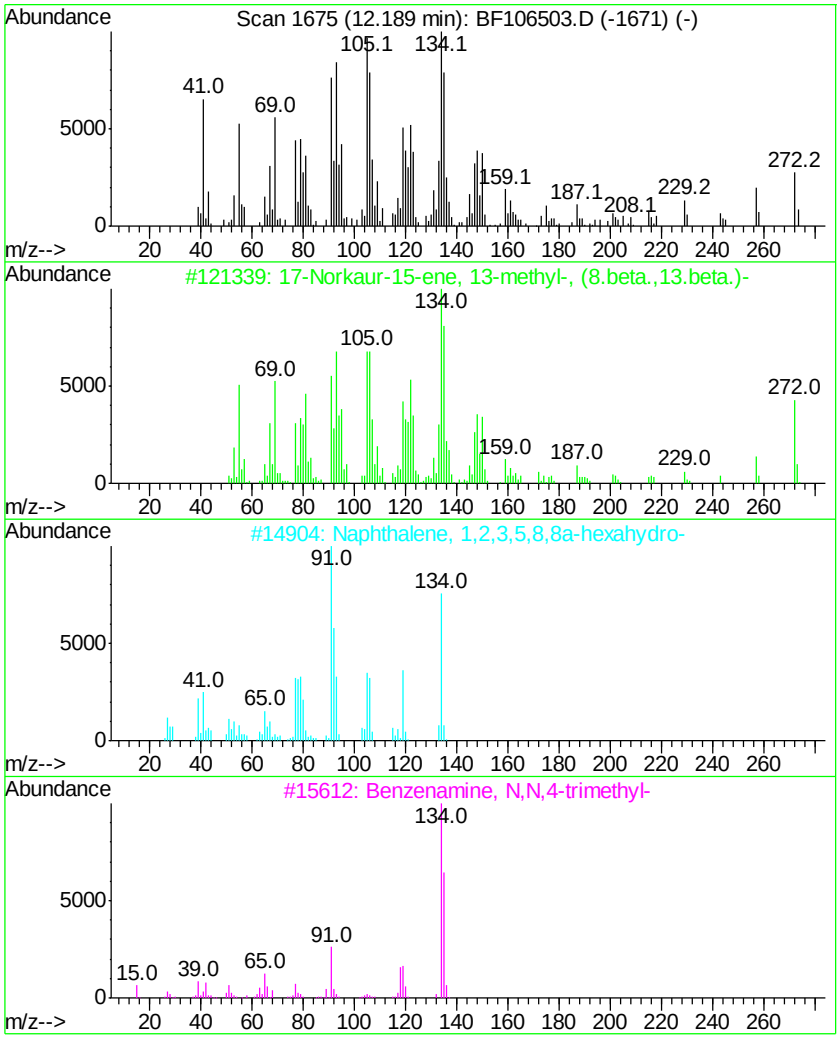
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

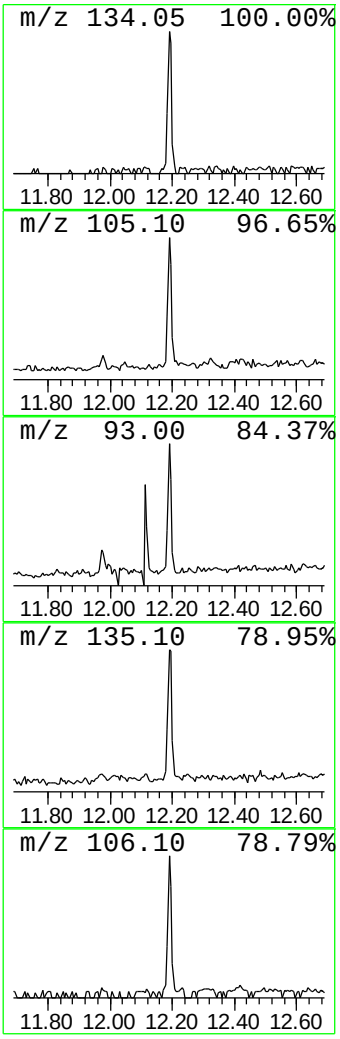
****

Peak Number 9 17-Norkaur-15-ene, 13-methy... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	5.80 ng	237003	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	17-Norkaur-15-ene, 13-methyl-, (...	272	C20H32	003564-54-3	99
2	Naphthalene, 1,2,3,5,8,8a-hexahy...	134	C10H14	062690-65-7	30
3	Benzenamine, N,N,4-trimethyl-	135	C9H13N	000099-97-8	27
4	Bicyclopentyl-1,1'-diene	134	C10H14	000934-02-1	27
5	3a,6-Methano-3aH-indene, 2,3,4,5...	134	C10H14	098640-10-9	20





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106503.D
Acq On : 15 Jun 2018 20:19
Operator : JU/SJ
Sample : J3486-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

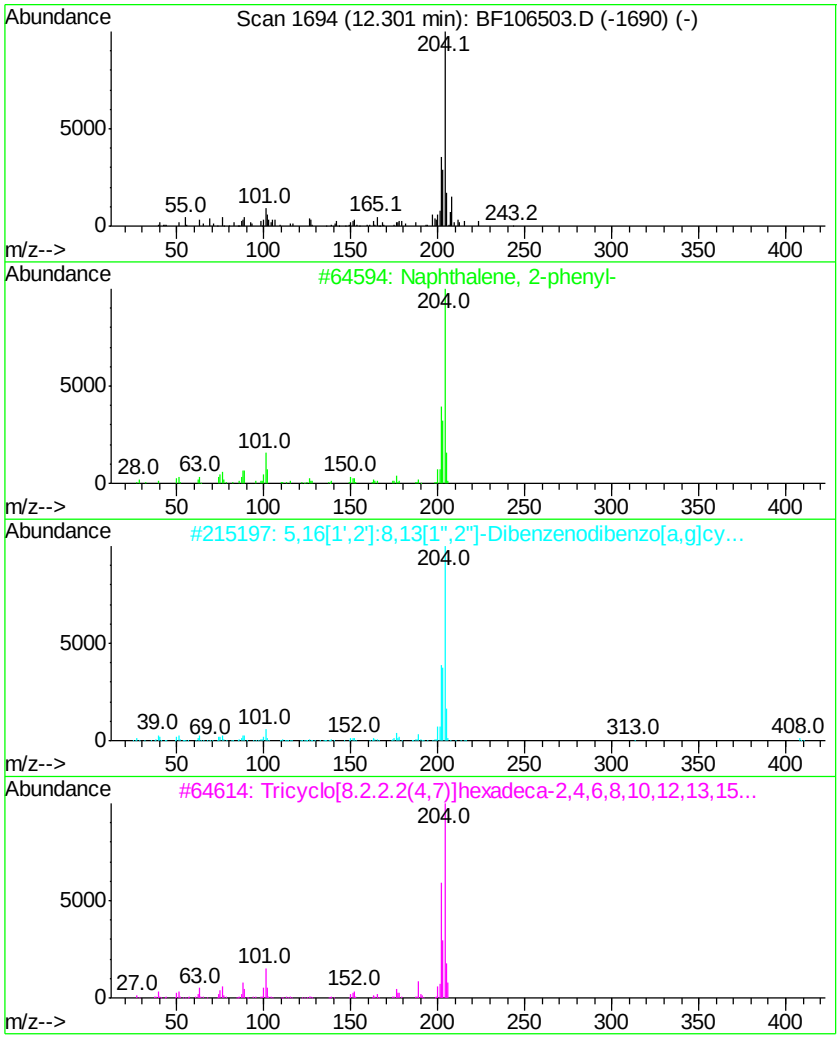
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

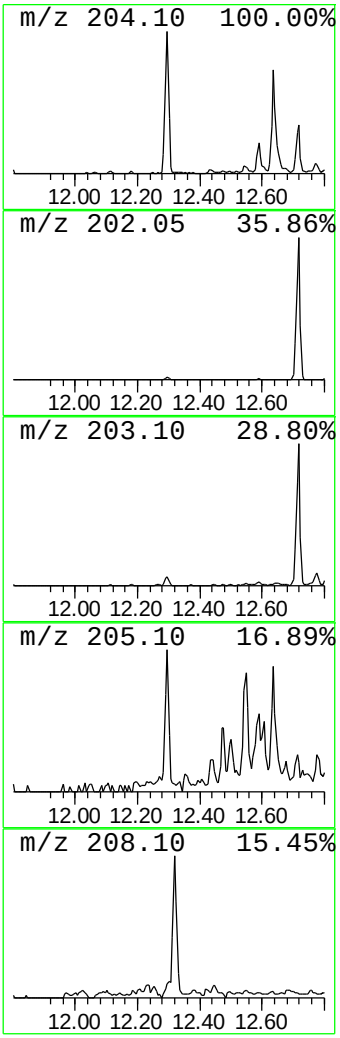
****

Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	2.24 ng	91692	Phenanthrene-d10	11.50

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	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106503.D
Acq On : 15 Jun 2018 20:19
Operator : JU/SJ
Sample : J3486-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

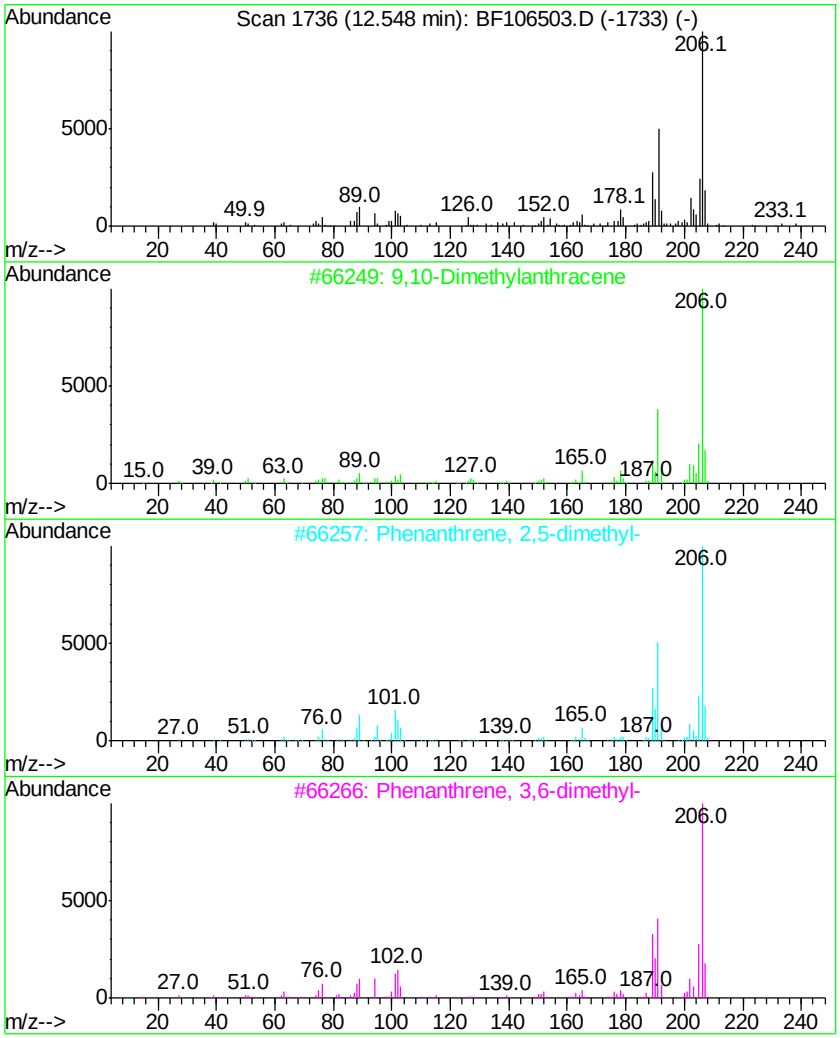
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

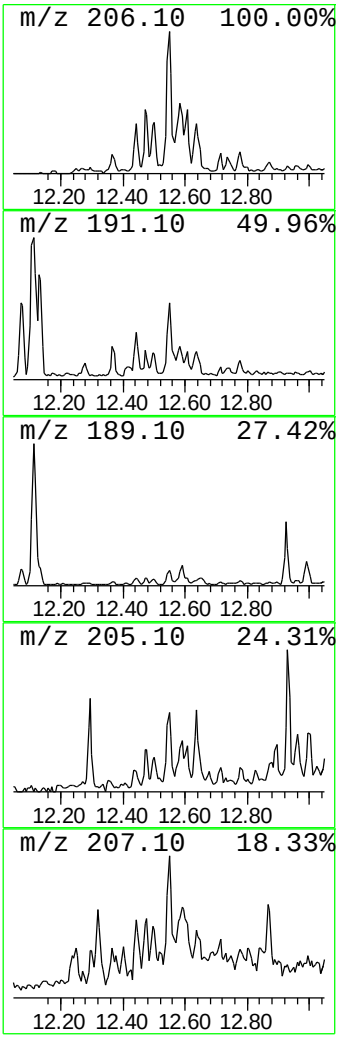
****

Peak Number 11 9,10-Dimethylanthracene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	2.86 ng	116761	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	92
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106503.D
Acq On : 15 Jun 2018 20:19
Operator : JU/SJ
Sample : J3486-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

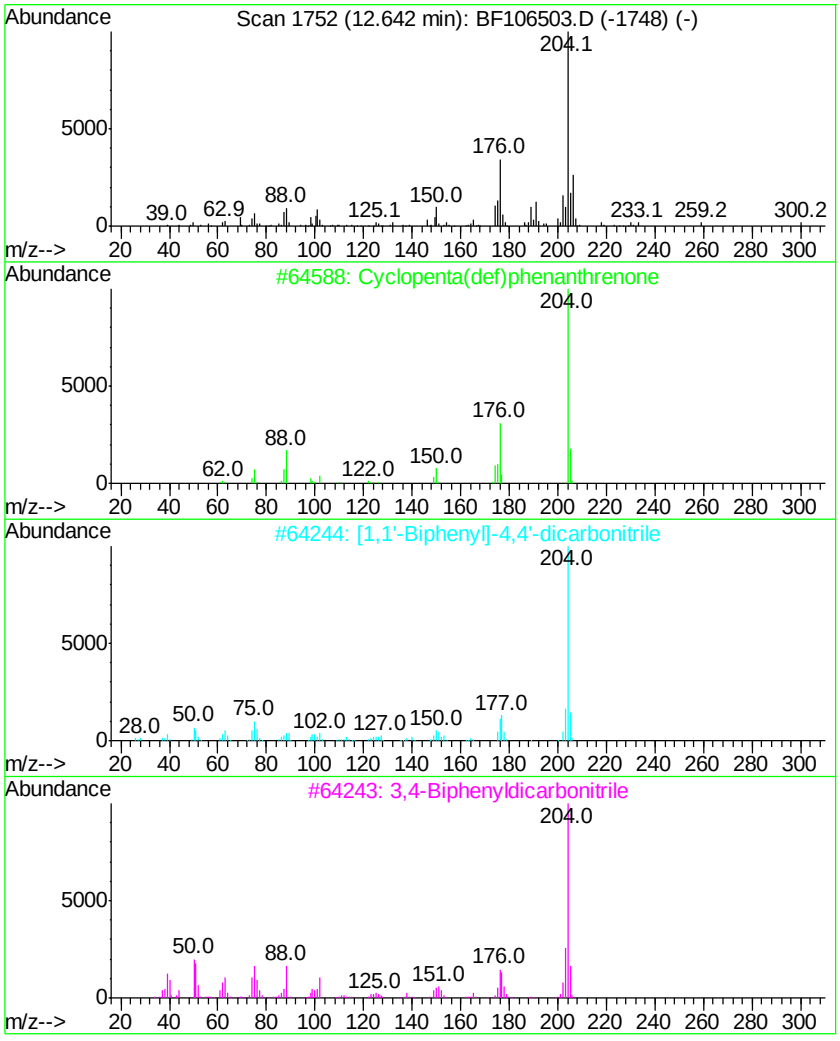
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

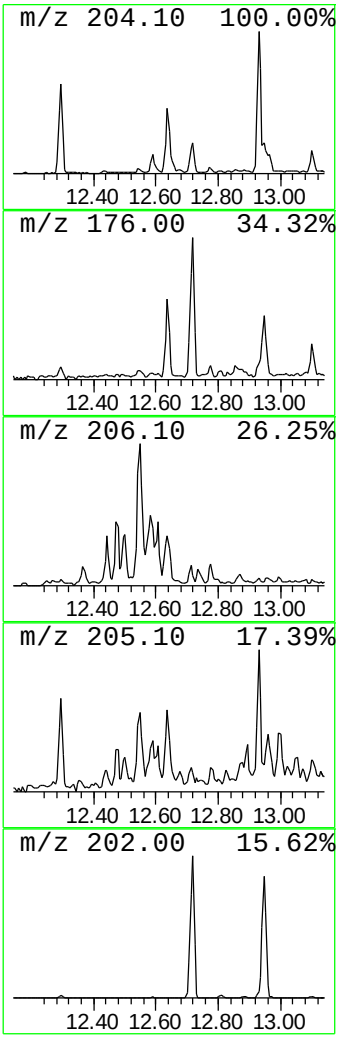
****

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	2.47 ng	101138	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
5	Tetrathiafulvalene	204	C6H4S4	031366-25-3	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106503.D
Acq On : 15 Jun 2018 20:19
Operator : JU/SJ
Sample : J3486-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

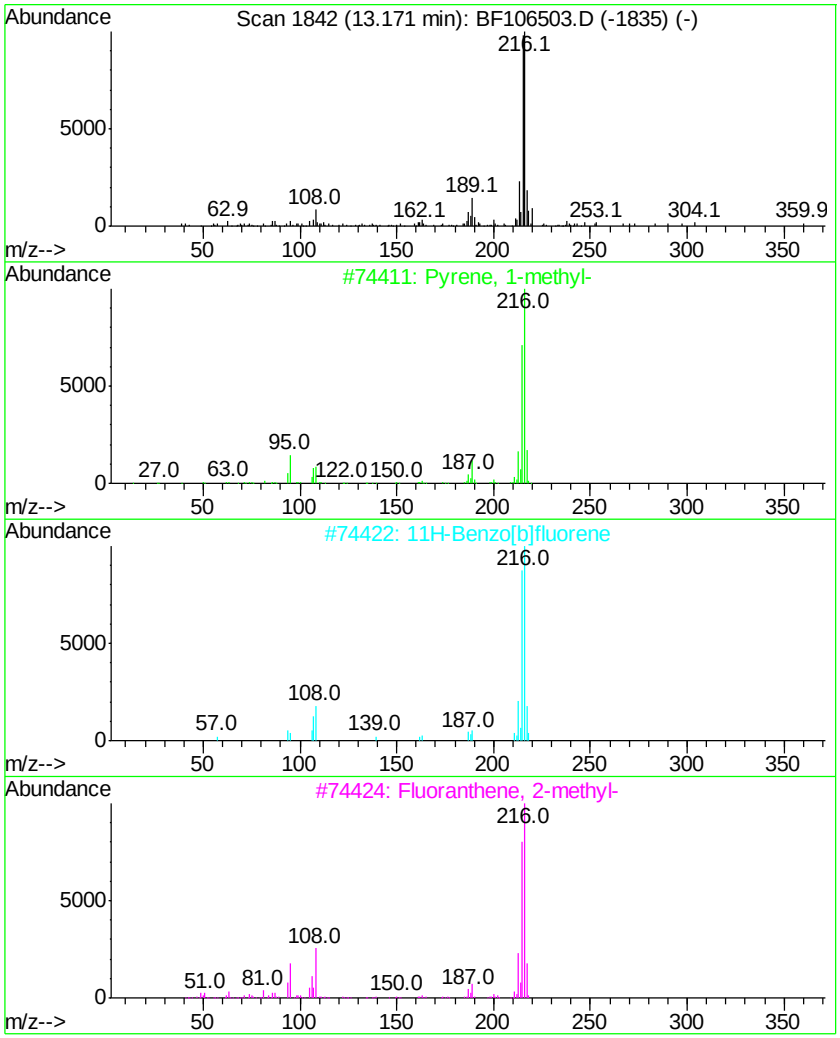
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

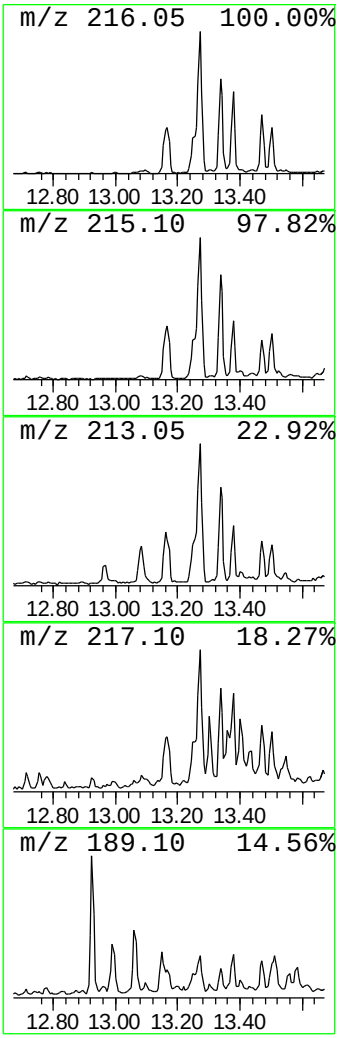
****

Peak Number 13 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	2.07 ng	222276	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	81
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106503.D
Acq On : 15 Jun 2018 20:19
Operator : JU/SJ
Sample : J3486-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

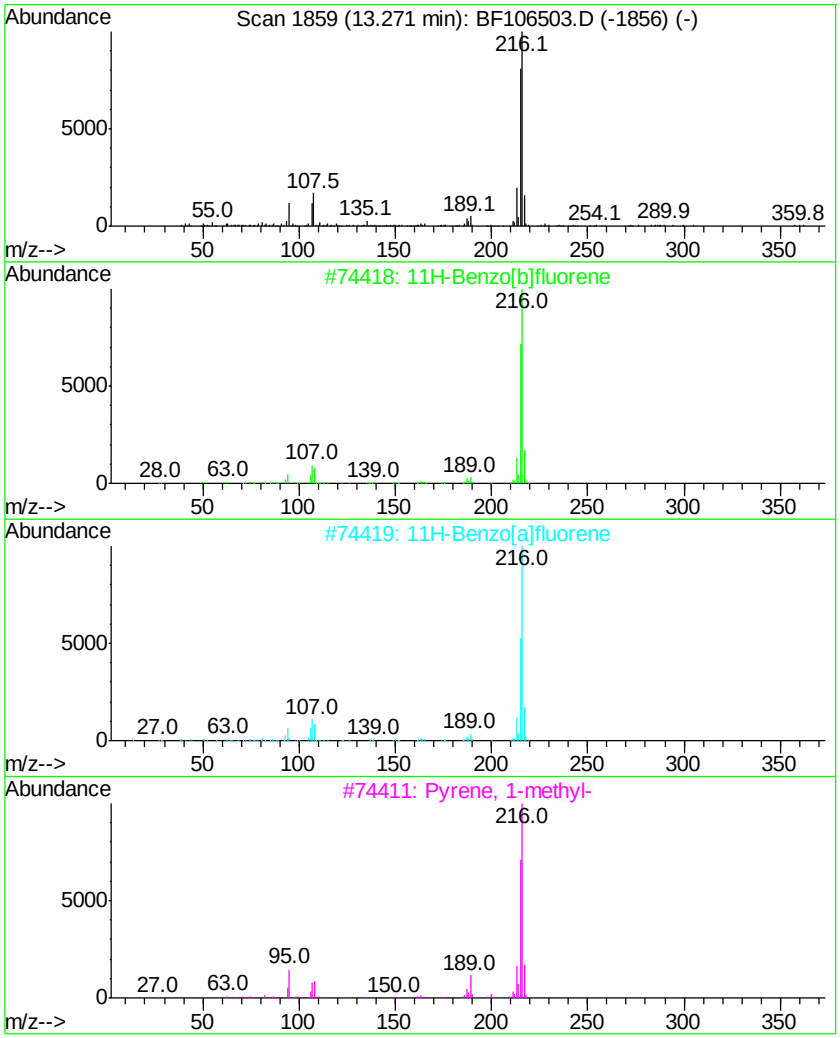
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

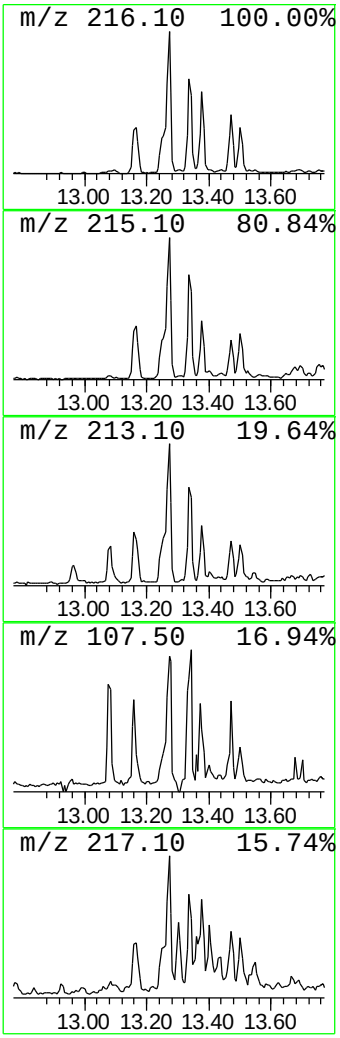
****

Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	3.12 ng	333987	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	74
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	60





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
Data File : BF106503.D
Acq On : 15 Jun 2018 20:19
Operator : JU/SJ
Sample : J3486-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

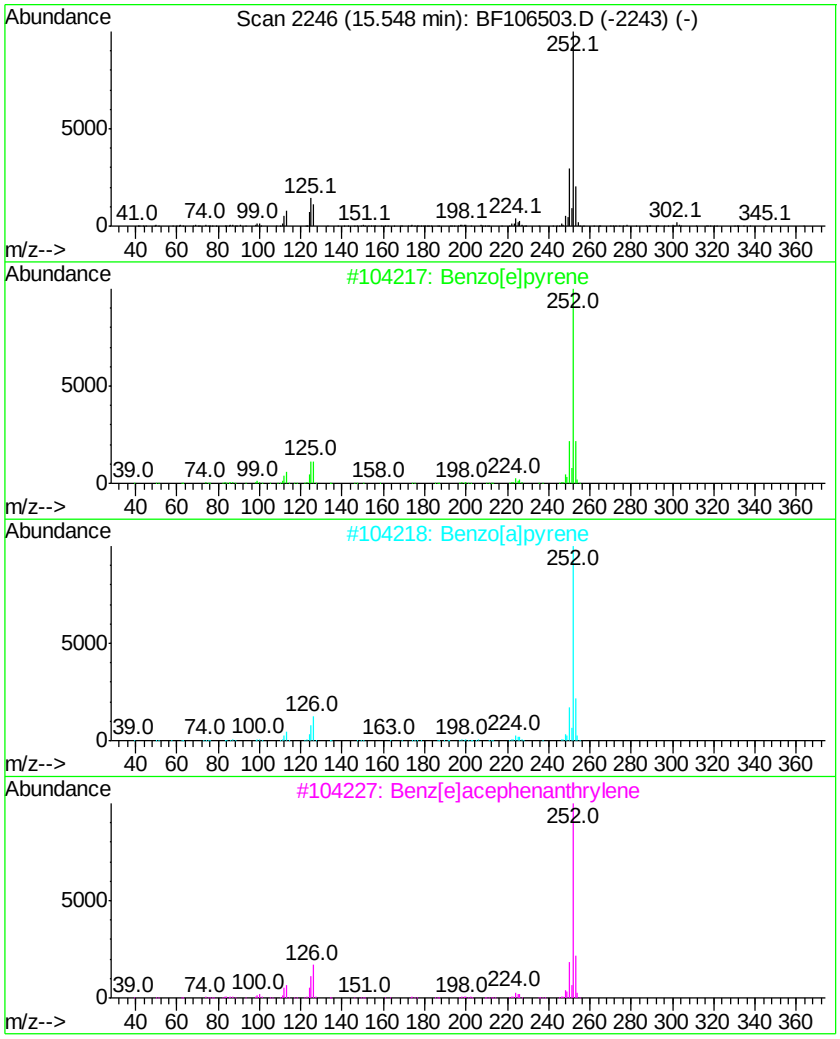
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

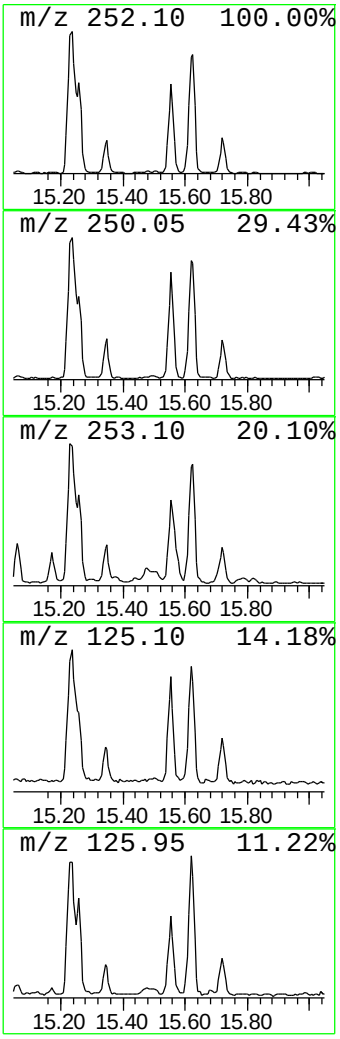
****

Peak Number 16 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	15.83 ng	550657	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
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

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF061518\
Data File : BF106503.D
Acq On : 15 Jun 2018 20:19
Operator : JU/SJ
Sample : J3486-02 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.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
2-Pentanone, 4-hy...	5.19	3.1	ng	118980	1	6.97	769143	20.0
unknown6.74	6.74	34.9	ng	1342070	1	6.97	769143	20.0
Biphenylene	9.87	2.2	ng	93451	3	10.01	855883	20.0
Eicosane	10.90	2.3	ng	94155	4	11.50	817436	20.0
Phenanthrene, 3-m...	12.00	2.9	ng	116799	4	11.50	817436	20.0
Phenanthrene, 2-m...	12.02	3.7	ng	152506	4	11.50	817436	20.0
4H-Cyclopenta[def...	12.11	7.0	ng	284074	4	11.50	817436	20.0
17-Norkaur-15-ene...	12.19	5.8	ng	237003	4	11.50	817436	20.0
Naphthalene, 2-ph...	12.30	2.2	ng	91692	4	11.50	817436	20.0
9,10-Dimethylanth...	12.55	2.9	ng	116761	4	11.50	817436	20.0
Cyclopenta(def)ph...	12.64	2.5	ng	101138	4	11.50	817436	20.0
Pyrene, 1-methyl-	13.17	2.1	ng	222276	5	14.15	2142460	20.0
11H-Benzo[b]fluorene	13.27	3.1	ng	333987	5	14.15	2142460	20.0
Benzo[e]pyrene	15.55	15.8	ng	550657	6	15.69	695708	20.0