LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
Data File : BF106944.D
Acq On : 29 Jun 2018 1:50
Operator : JU/SJ
Sample : J3048-10 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-D

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-BF061918.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	5.178	480	483	493	rBV	85101	91552	7.62%	0.546%
2	5.590	549	553	567	rVB	767211	703364	58.53%	4.198%
3	6.589	719	723	736	rBV	812984	724275	60.27%	4.323%
4	6.725	743	746	750	rBV	848685	739685	61.55%	4.415%
5	6.954	781	785	788	rBV	458578	391502	32.58%	2.337%
6	7.107	807	811	814	rBV	631966	509316	42.38%	3.040%
7	7.513	876	880	888	rBV	485739	428744	35.67%	2.559%
8	8.236	999	1003	1005	rBV	521335	454539	37.82%	2.713%
9	8.254	1005	1006	1013	rVB	121898	95114	7.91%	0.568%
10	8.948	1120	1124	1131	rBV	40617	41633	3.46%	0.249%
11	9.048	1138	1141	1146	rVB	33867	31526	2.62%	0.188%
12	9.307	1181	1185	1193	rBV	747010	620118	51.60%	3.702%
13	9.578	1225	1231	1235	rBV	12389	16529	1.38%	0.099%
14	9.648	1238	1243	1246	rBV	26249	23830	1.98%	0.142%
15	9.701	1249	1252	1256	rVB	74685	67952	5.65%	0.406%
16	9.854	1275	1278	1282	rBV2	15930	14233	1.18%	0.085%
17	9.901	1282	1286	1290	rVB	13844	12342	1.03%	0.074%
18	9.995	1298	1302	1305	rVV	464534	426890	35.52%	2.548%
19	10.025	1305	1307	1310	rVB	241572	178848	14.88%	1.068%
20	10.148	1322	1328	1332	rBV3	11696	14632	1.22%	0.087%
21	10.195	1332	1336	1340	rBV	94907	92736	7.72%	0.554%
22	10.401	1368	1371	1375	rVB2	21827	21981	1.83%	0.131%
23	10.542	1391	1395	1401	rVB	161540	135941	11.31%	0.811%
24	10.624	1407	1409	1412	rVB3	22472	18307	1.52%	0.109%
25	10.695	1419	1421	1427	rVB	28016	26938	2.24%	0.161%
26	10.783	1432	1436	1442	rBV2	453689	415709	34.59%	2.481%
27	10.877	1448	1452	1457	rBV2	16708	25135	2.09%	0.150%
28	11.089	1482	1488	1491	rBV	27858	36365	3.03%	0.217%
29	11.172	1499	1502	1504	rVB2	13351	12186	1.01%	0.073%
30	11.213	1504	1509	1511	rBV3	11423	15586	1.30%	0.093%
31	11.236	1511	1513	1520	rVB4	11277	14047	1.17%	0.084%
32	11.324	1525	1528	1535	rVV2	24186	36709	3.05%	0.219%
33	11.383	1535	1538	1541	rVB	54226	45280	3.77%	0.270%
34	11.483	1552	1555	1557	rBV	440434	405477	33.74%	2.420%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
Data File : BF106944.D
Acq On : 29 Jun 2018 1:50
Operator : JU/SJ
Sample : J3048-10 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-D

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-BF061918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.513	1557	1560	1563	rVV	775145	666840	55.49%	3.980%
36	11.560	1565	1568	1572	rVV	221717	190643	15.86%	1.138%
37	11.595	1572	1574	1579	rVB	20805	22082	1.84%	0.132%
38	11.719	1591	1595	1599	rBV	56991	59582	4.96%	0.356%
39	11.777	1603	1605	1607	rBV	16535	13578	1.13%	0.081%
40	11.819	1609	1612	1616	rVB2	16341	17467	1.45%	0.104%
41	11.989	1637	1641	1643	rBV	86896	81747	6.80%	0.488%
42	12.019	1643	1646	1649	rVV	112115	101818	8.47%	0.608%
43	12.066	1650	1654	1656	rVV	51818	45745	3.81%	0.273%
44	12.101	1656	1660	1662	rVV2	176009	185311	15.42%	1.106%
45	12.124	1662	1664	1667	rVB	61827	51626	4.30%	0.308%
46	12.166	1668	1671	1673	rVV4	13365	12782	1.06%	0.076%
47	12.277	1688	1690	1693	rBV	67215	60956	5.07%	0.364%
48	12.313	1693	1696	1698	rVV	33678	26836	2.23%	0.160%
49	12.430	1712	1716	1719	rVB3	32024	32463	2.70%	0.194%
50	12.466	1719	1722	1724	rBV	22262	18385	1.53%	0.110%
51	12.507	1727	1729	1732	rVV	43344	40420	3.36%	0.241%
52	12.536	1732	1734	1737	rVV	59968	61668	5.13%	0.368%
53	12.577	1737	1741	1746	rVB2	41186	66120	5.50%	0.395%
54	12.630	1746	1750	1755	rBV3	33874	46231	3.85%	0.276%
55	12.707	1759	1763	1766	rBV	1023904	895766	74.53%	5.347%
56	12.736	1766	1768	1771	rVV2	40454	37067	3.08%	0.221%
57	12.766	1771	1773	1775	rVB	30249	21771	1.81%	0.130%
58	12.860	1786	1789	1791	rVB	35406	27398	2.28%	0.164%
59	12.936	1799	1802	1807	rVB	897724	843493	70.19%	5.035%
60	12.983	1807	1810	1814	rVB2	49198	53451	4.45%	0.319%
61	13.066	1816	1824	1827	rBV	777254	710334	59.11%	4.240%
62	13.095	1827	1829	1832	rVB	46280	42594	3.54%	0.254%
63	13.154	1834	1839	1843	rBV2	65325	102694	8.54%	0.613%
64	13.189	1843	1845	1846	rBV	16213	13234	1.10%	0.079%
65	13.207	1846	1848	1850	rVB	30997	22839	1.90%	0.136%
66	13.236	1850	1853	1854	rBV2	53920	54347	4.52%	0.324%
67	13.260	1854	1857	1861	rVB	161660	163174	13.58%	0.974%
68	13.330	1865	1869	1871	rBV	127416	117941	9.81%	0.704%
69	13.366	1871	1875	1878	rVV2	91286	104449	8.69%	0.623%
70	13.424	1882	1885	1888	rVB2	19378	22292	1.85%	0.133%
71	13.460	1888	1891	1893	rBV	63827	56594	4.71%	0.338%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
Data File : BF106944.D
Acq On : 29 Jun 2018 1:50
Operator : JU/SJ
Sample : J3048-10 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-D

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-BF061918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.489	1893	1896	1899	rVB	61571	64406	5.36%	0.384%
73	13.613	1915	1917	1919	rBV2	15165	14740	1.23%	0.088%
74	13.689	1927	1930	1932	rVB2	23282	23539	1.96%	0.141%
75	13.742	1936	1939	1942	rBV2	31656	40840	3.40%	0.244%
76	13.771	1942	1944	1948	rVB	49522	51486	4.28%	0.307%
77	13.883	1960	1963	1965	rBV	71918	67021	5.58%	0.400%
78	13.913	1965	1968	1970	rVB	77659	67706	5.63%	0.404%
79	13.948	1970	1974	1978	rBV3	115401	160948	13.39%	0.961%
80	13.983	1978	1980	1984	rVB	48166	42185	3.51%	0.252%
81	14.054	1987	1992	1997	rBV2	35233	73961	6.15%	0.441%
82	14.136	1998	2006	2009	rBV2	789192	1201812	100.00%	7.174%
83	14.165	2009	2011	2017	rVB	444845	363953	30.28%	2.172%
84	14.218	2018	2020	2022	rBV	27402	22005	1.83%	0.131%
85	14.242	2022	2024	2027	rBV	89532	82178	6.84%	0.491%
86	14.489	2063	2066	2068	rBV2	39292	45505	3.79%	0.272%
87	14.524	2070	2072	2075	rVV	104392	92318	7.68%	0.551%
88	14.560	2076	2078	2082	rVV	43217	43045	3.58%	0.257%
89	14.654	2092	2094	2096	rBV	45021	37308	3.10%	0.223%
90	14.677	2096	2098	2102	rVB	67707	61546	5.12%	0.367%
91	15.042	2158	2160	2166	rVB4	37570	44904	3.74%	0.268%
92	15.212	2185	2189	2192	rBV	305247	439716	36.59%	2.625%
93	15.330	2206	2209	2213	rVB	60739	67144	5.59%	0.401%
94	15.536	2240	2244	2250	rBV	185799	231012	19.22%	1.379%
95	15.601	2251	2255	2260	rVV	267801	349270	29.06%	2.085%
96	15.671	2262	2267	2270	rVV	381139	517194	43.03%	3.087%
97	15.701	2270	2272	2282	rVB2	84568	130493	10.86%	0.779%
98	17.242	2529	2534	2540	rVB2	98360	203611	16.94%	1.215%
99	17.424	2561	2565	2570	rBV2	22402	46189	3.84%	0.276%
100	17.718	2609	2615	2625	rVB	83530	186144	15.49%	1.111%

Sum of corrected areas: 16752938

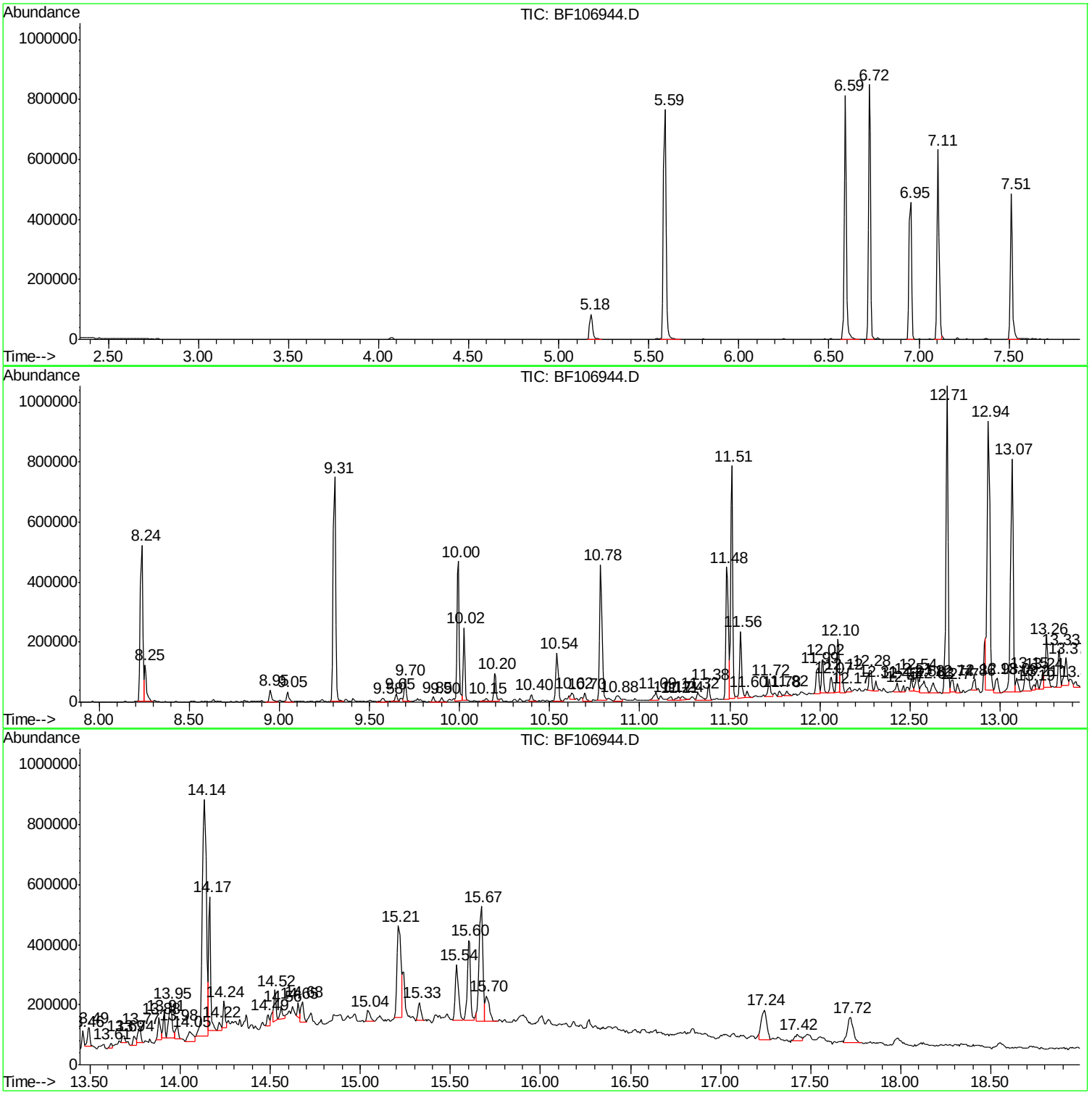
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
Data File : BF106944.D
Acq On : 29 Jun 2018 1:50
Operator : JU/SJ
Sample : J3048-10 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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\BF062818\
Data File : BF106944.D
Acq On : 29 Jun 2018 1:50
Operator : JU/SJ
Sample : J3048-10 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

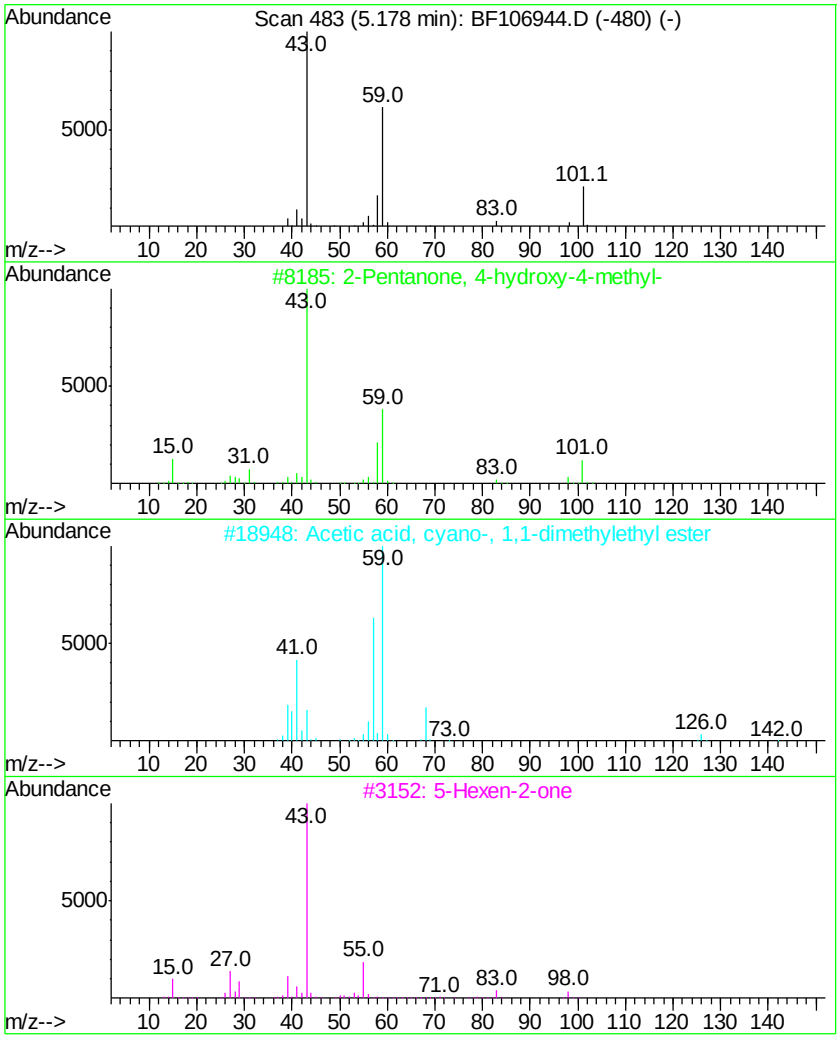
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

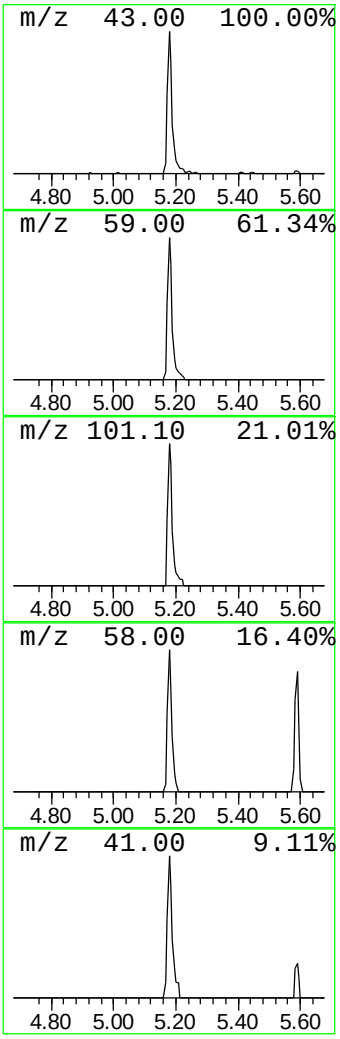
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.18	4.68 ng	91552	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
Data File : BF106944.D
Acq On : 29 Jun 2018 1:50
Operator : JU/SJ
Sample : J3048-10 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

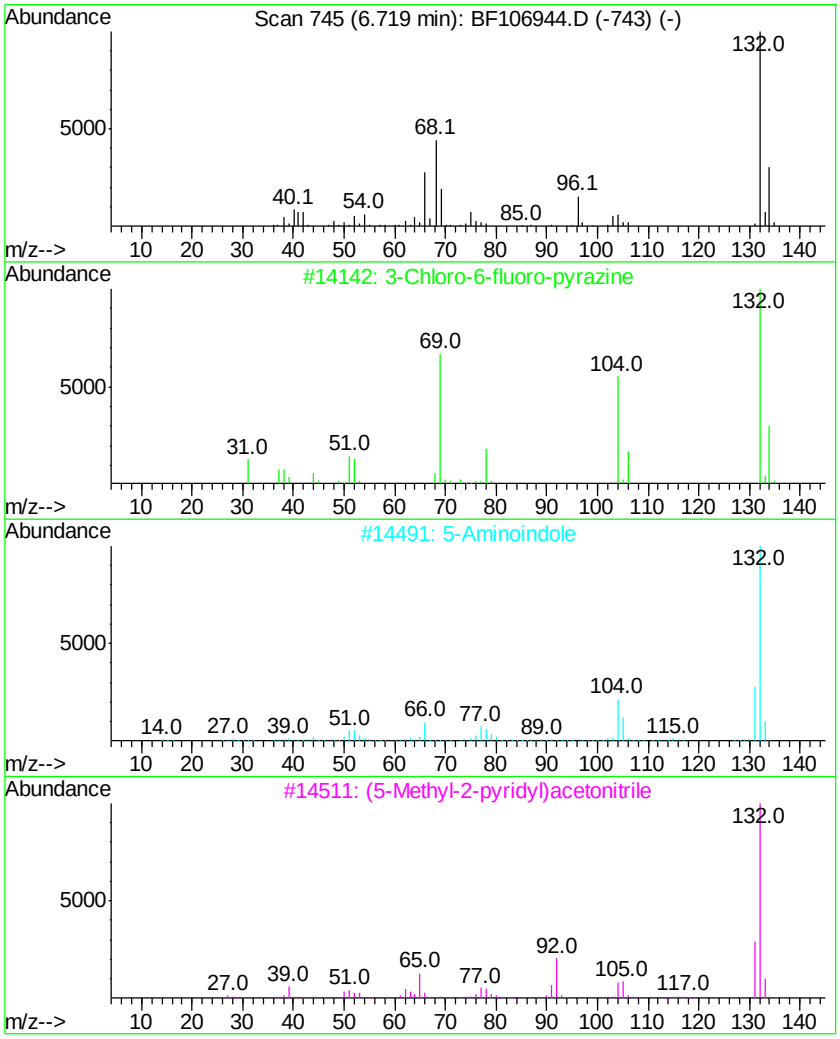
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

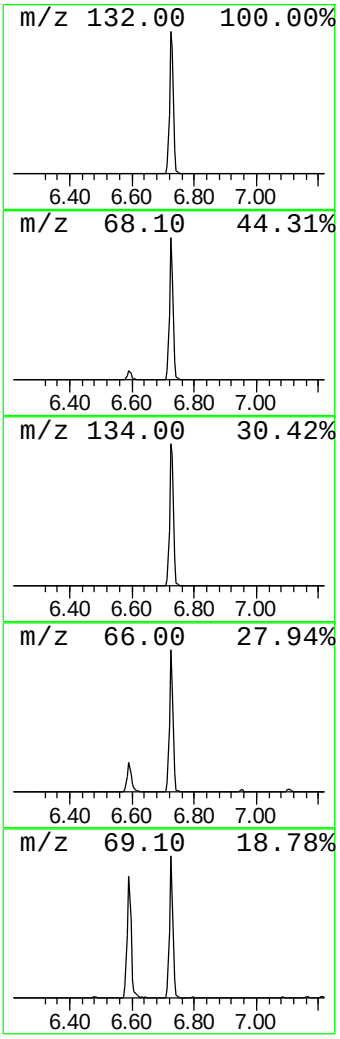
****

Peak Number 2 unknown6.72 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	37.79 ng	739685	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	9
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
Data File : BF106944.D
Acq On : 29 Jun 2018 1:50
Operator : JU/SJ
Sample : J3048-10 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

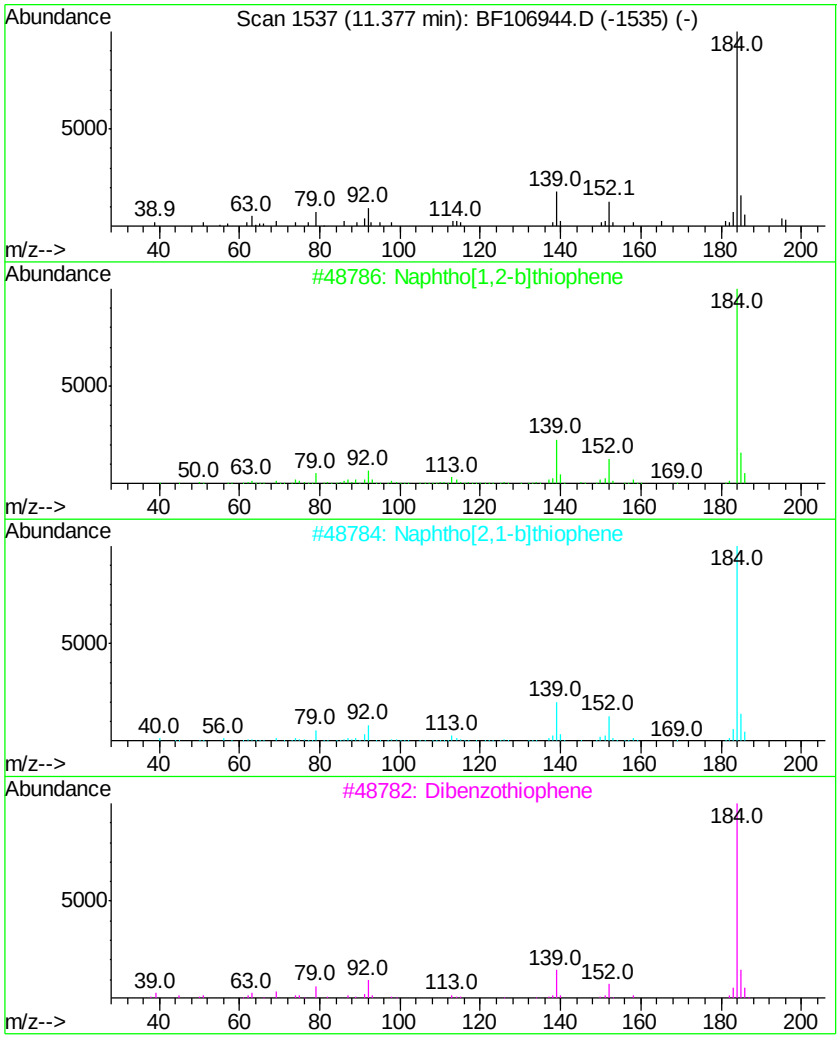
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

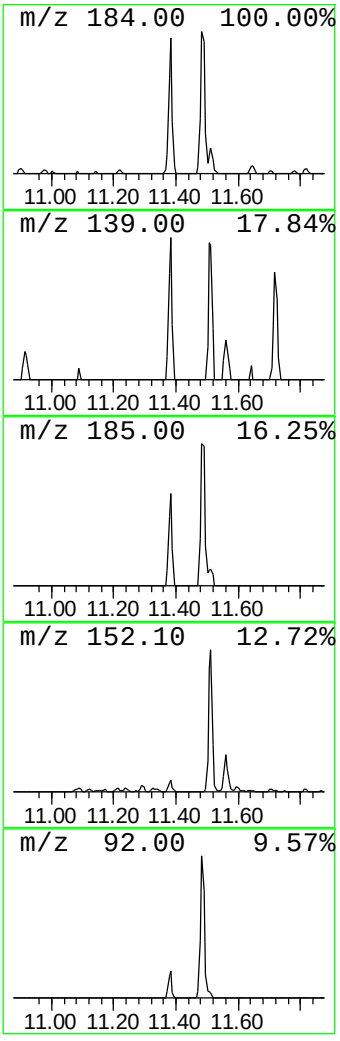
****

Peak Number 4 Naphtho[1,2-b]thiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.38	2.23 ng	45280	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
3	Dibenzothiophene	184	C12H8S	000132-65-0	96
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\BF062818\
Data File : BF106944.D
Acq On : 29 Jun 2018 1:50
Operator : JU/SJ
Sample : J3048-10 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

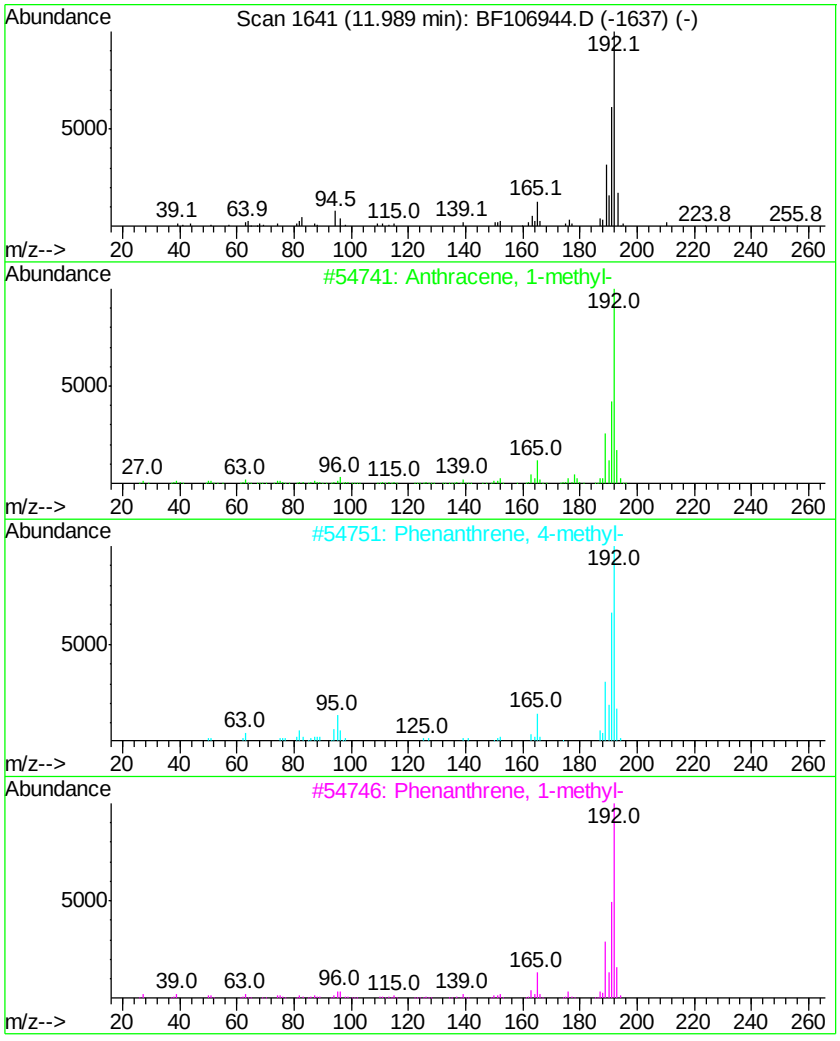
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

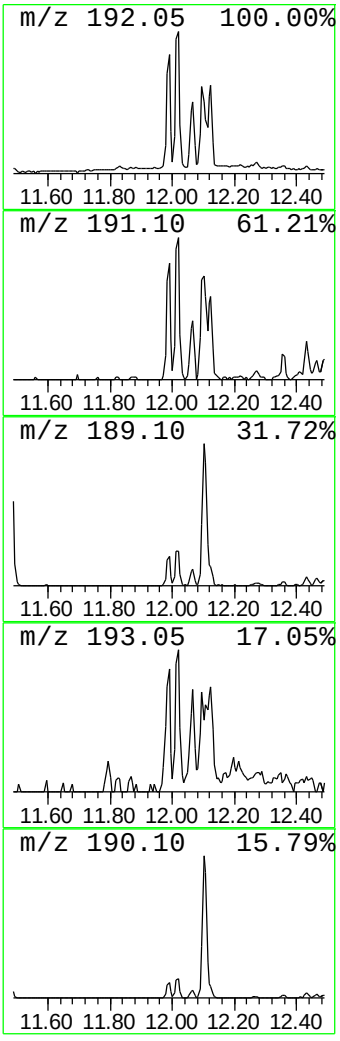
****

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	4.03 ng	81747	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
Data File : BF106944.D
Acq On : 29 Jun 2018 1:50
Operator : JU/SJ
Sample : J3048-10 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

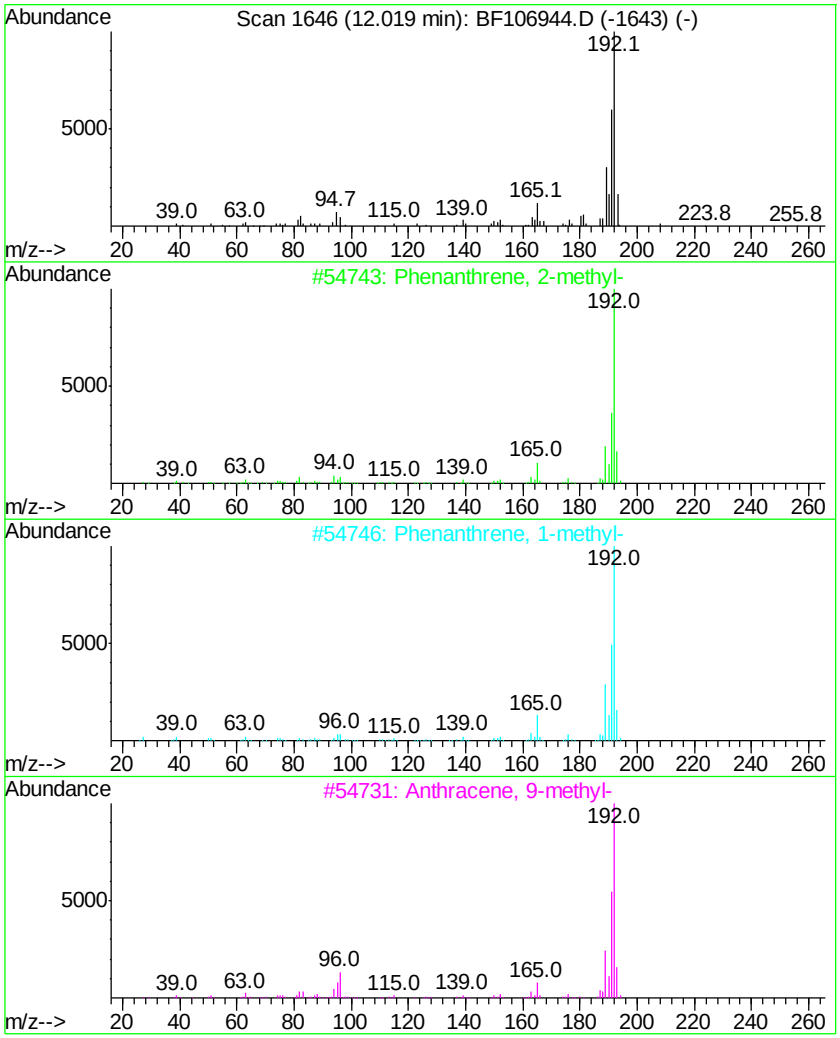
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

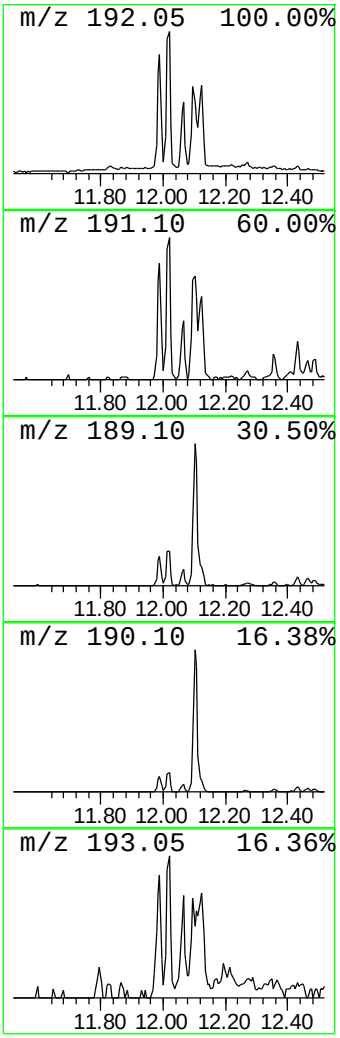
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	5.02 ng	101818	Phenanthrene-d10	11.48

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
Data File : BF106944.D
Acq On : 29 Jun 2018 1:50
Operator : JU/SJ
Sample : J3048-10 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

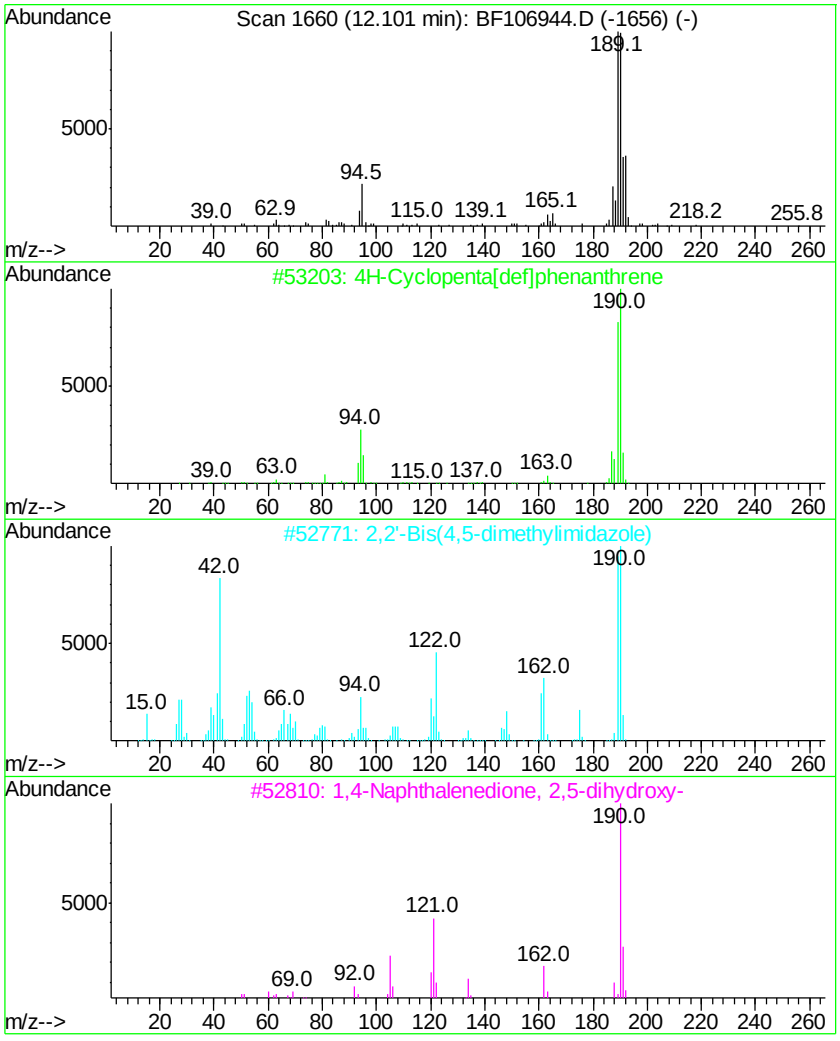
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

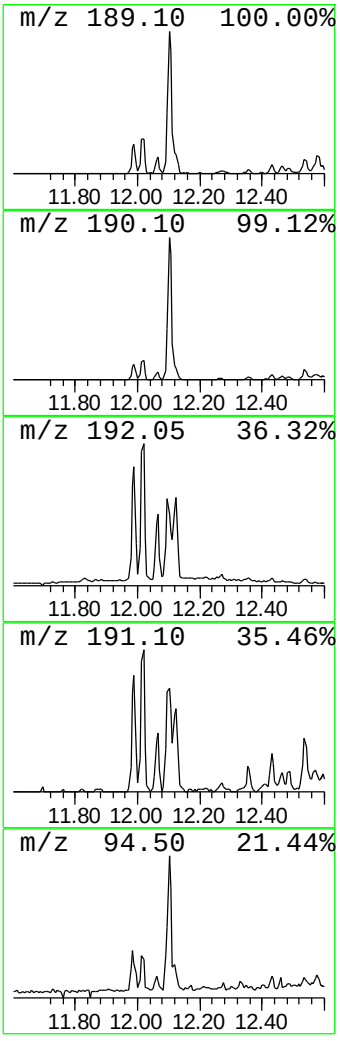
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	9.14 ng	185311	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
3	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25
4	Methyl diselenide	190	C2H6Se2	007101-31-7	16
5	1-(Phenylethynyl)-1H-1,2,3-benzo...	219	C14H9N3	209912-23-2	12





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
Data File : BF106944.D
Acq On : 29 Jun 2018 1:50
Operator : JU/SJ
Sample : J3048-10 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

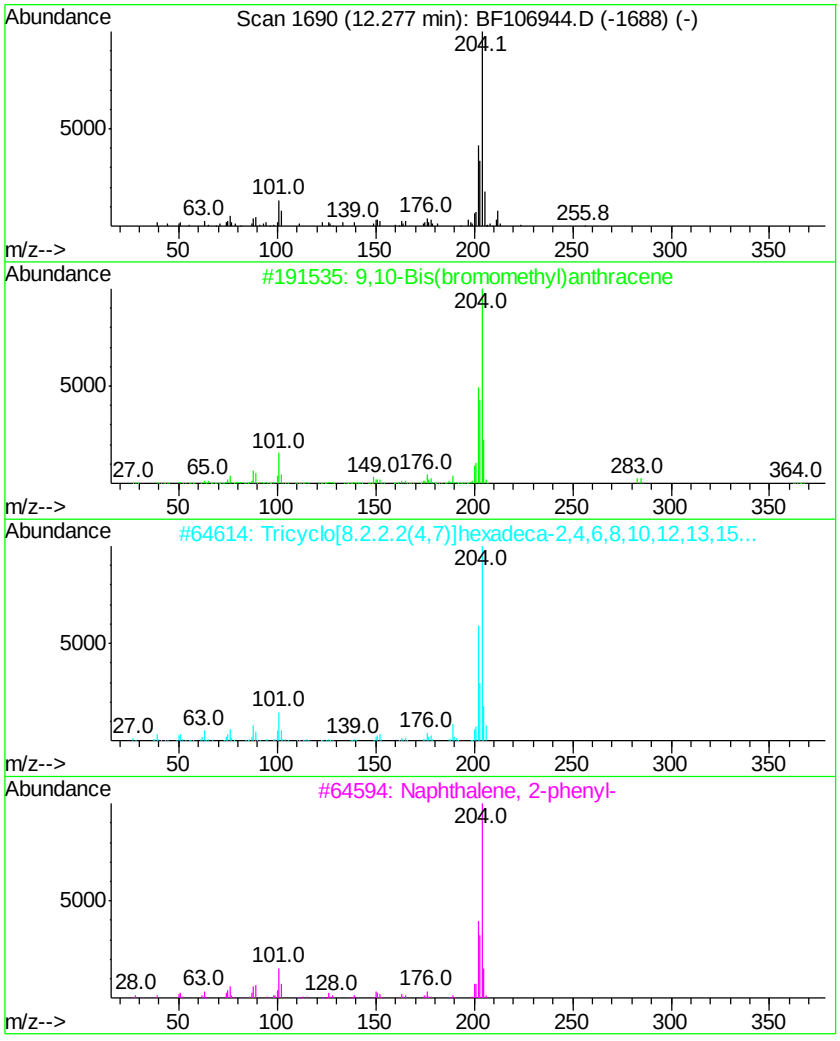
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

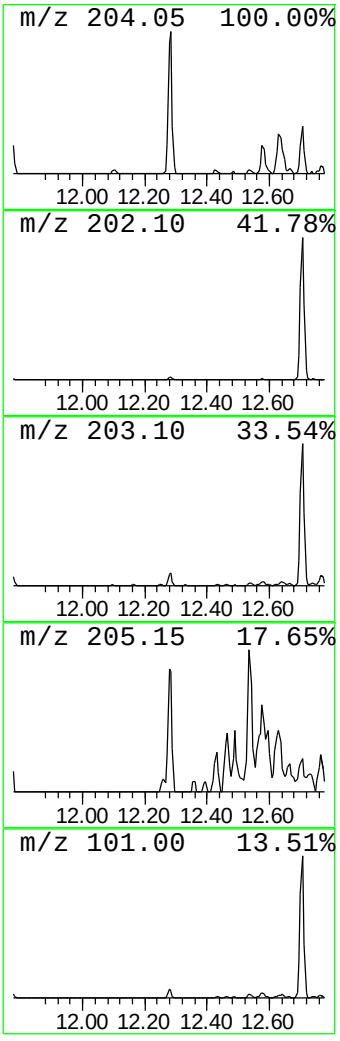
****

Peak Number 10 9,10-Bis(bromomethyl)anthra... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	3.01 ng	60956	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	90
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
Data File : BF106944.D
Acq On : 29 Jun 2018 1:50
Operator : JU/SJ
Sample : J3048-10 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

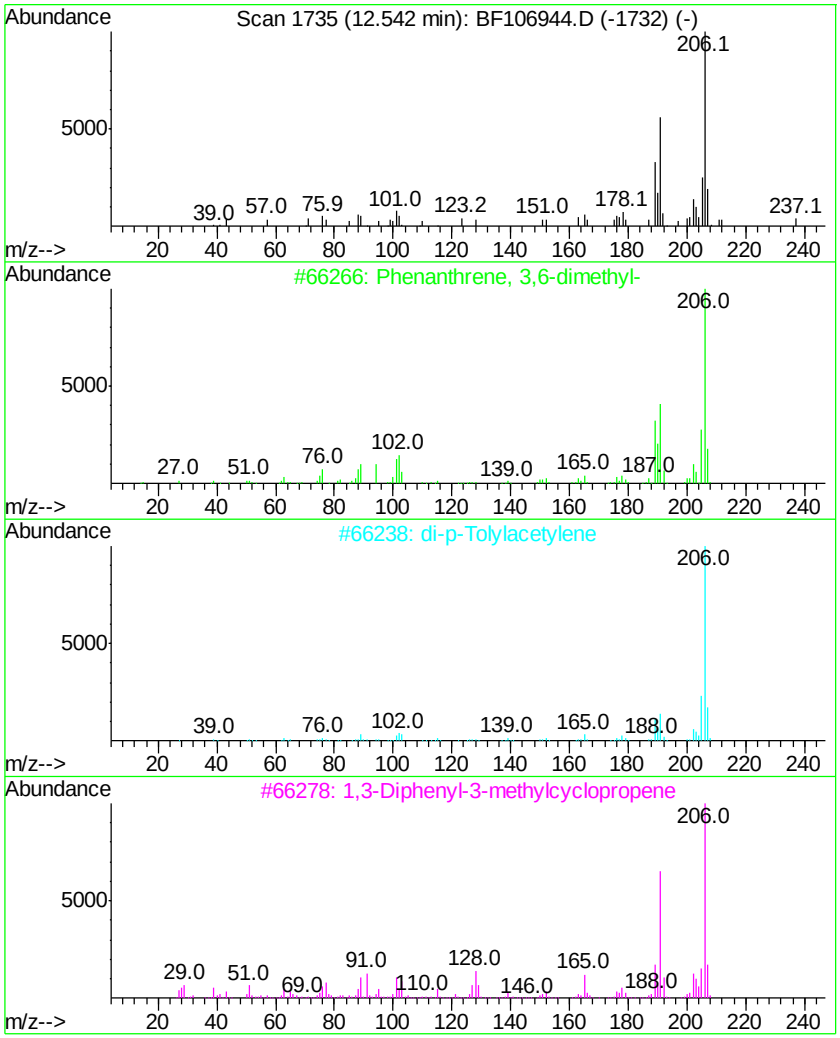
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

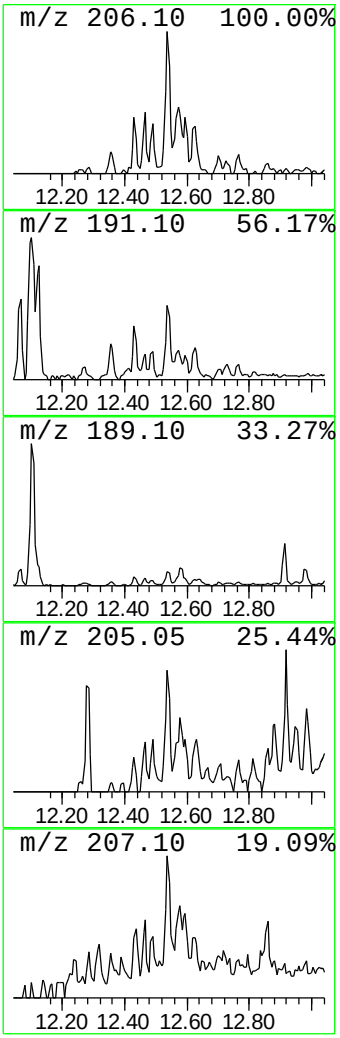
****

Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	3.04 ng	61668	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
Data File : BF106944.D
Acq On : 29 Jun 2018 1:50
Operator : JU/SJ
Sample : J3048-10 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

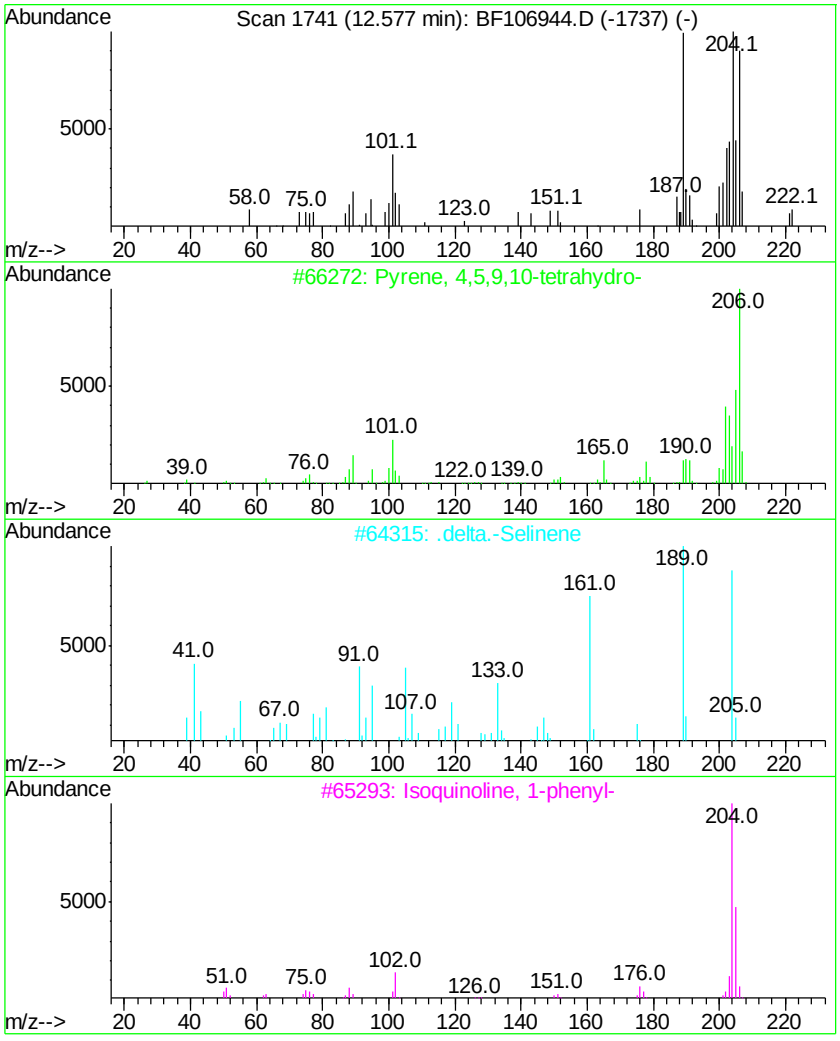
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

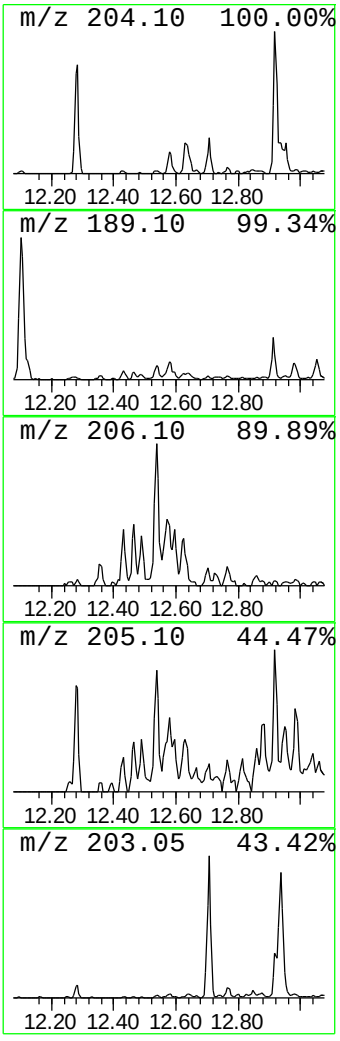
****

Peak Number 12 unknown12.58 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	3.26 ng	66120	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	47
2	.delta.-Selinene	204	C15H24	028624-23-9	35
3	Isoquinoline, 1-phenyl-	205	C15H11N	003297-72-1	18
4	Dibenzo[b,f][1,4]diazocine	206	C14H10N2	000262-92-0	18
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	18





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
Data File : BF106944.D
Acq On : 29 Jun 2018 1:50
Operator : JU/SJ
Sample : J3048-10 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

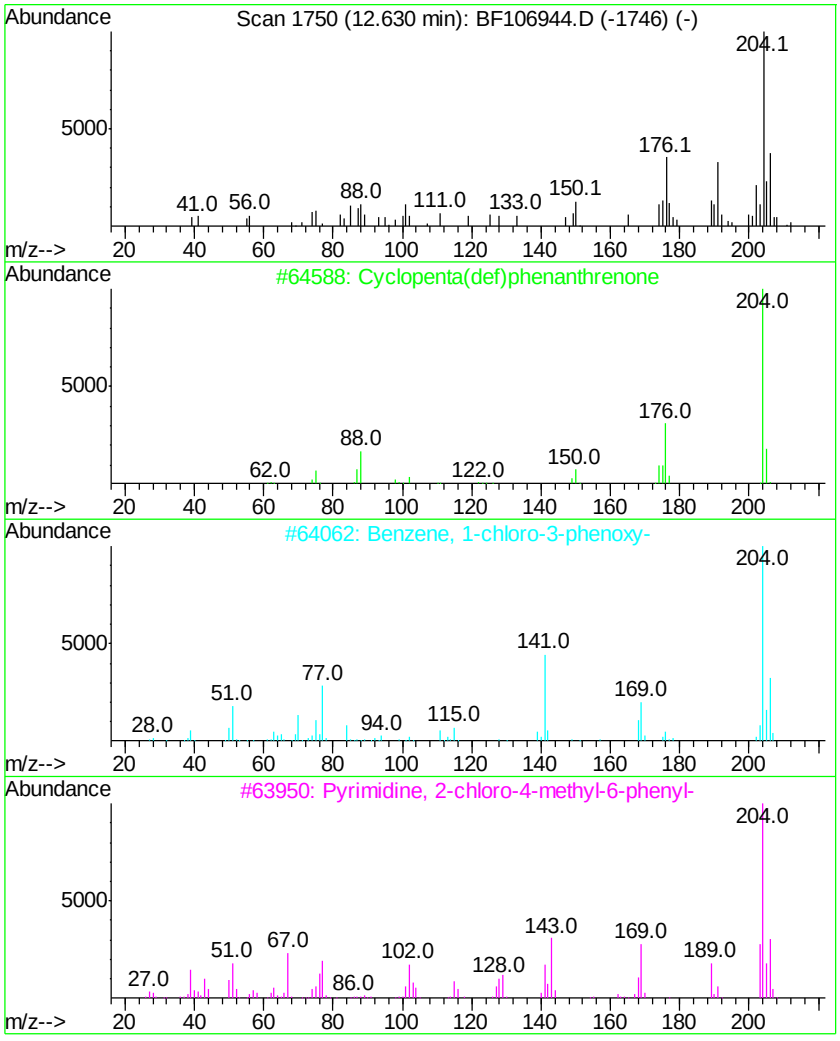
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

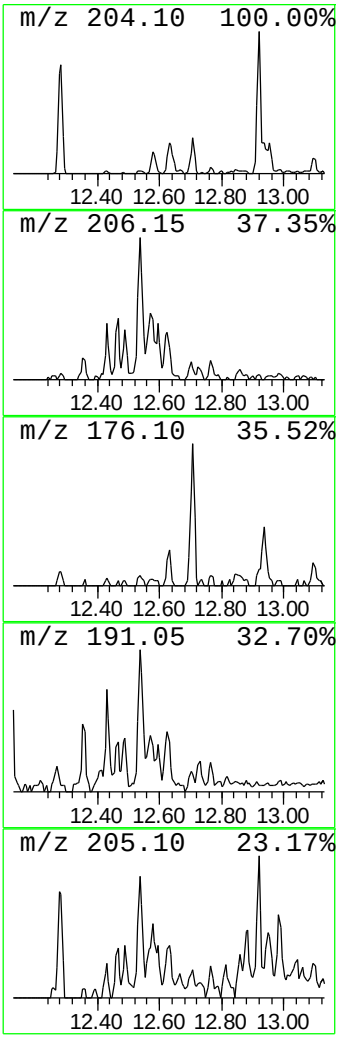
****

Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	2.28 ng	46231	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	55
2	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	50
3	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	47
4	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
Data File : BF106944.D
Acq On : 29 Jun 2018 1:50
Operator : JU/SJ
Sample : J3048-10 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

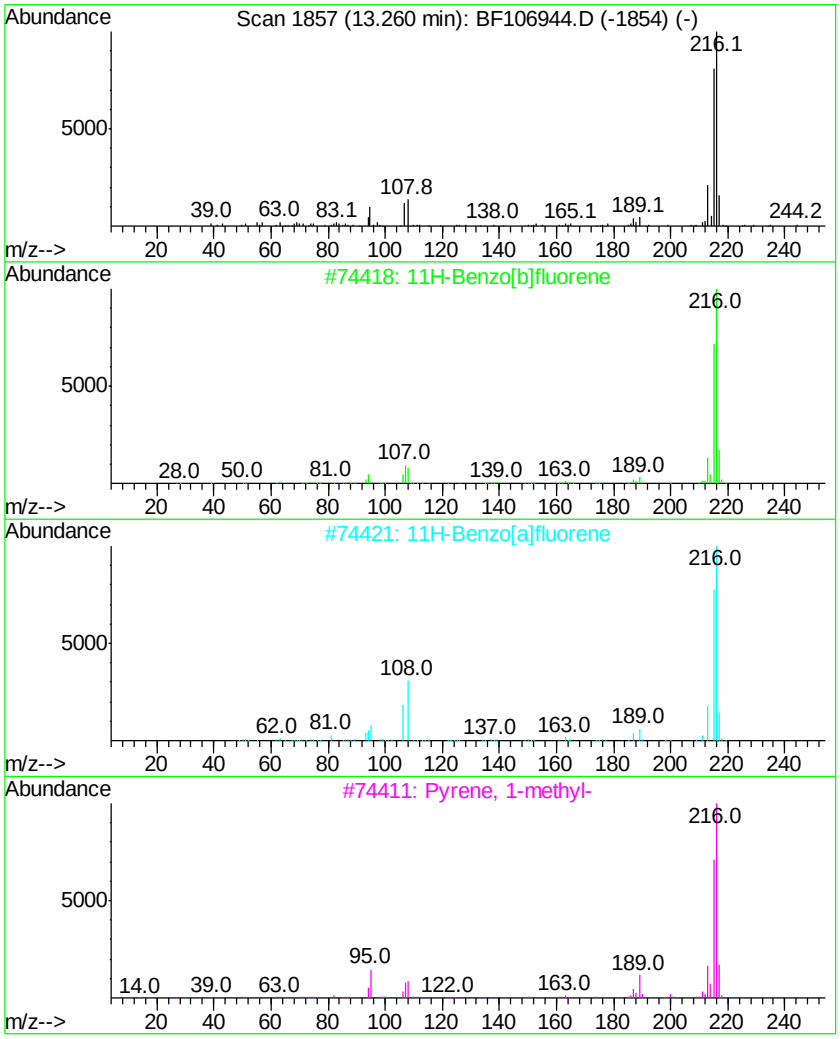
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

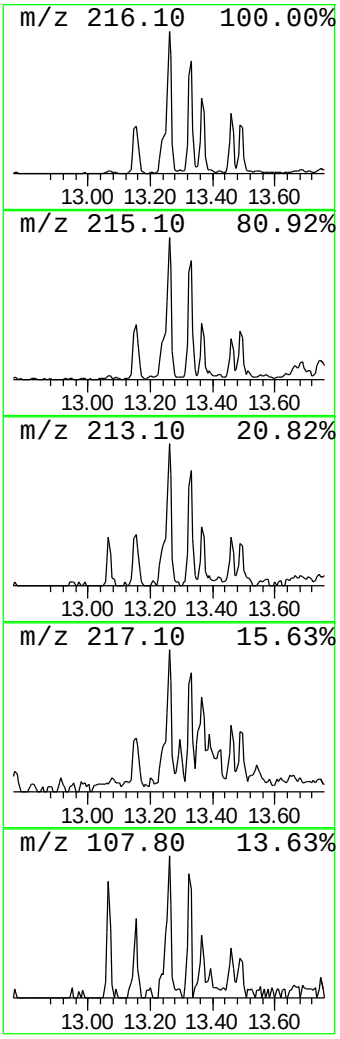
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	2.72 ng	163174	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
Data File : BF106944.D
Acq On : 29 Jun 2018 1:50
Operator : JU/SJ
Sample : J3048-10 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

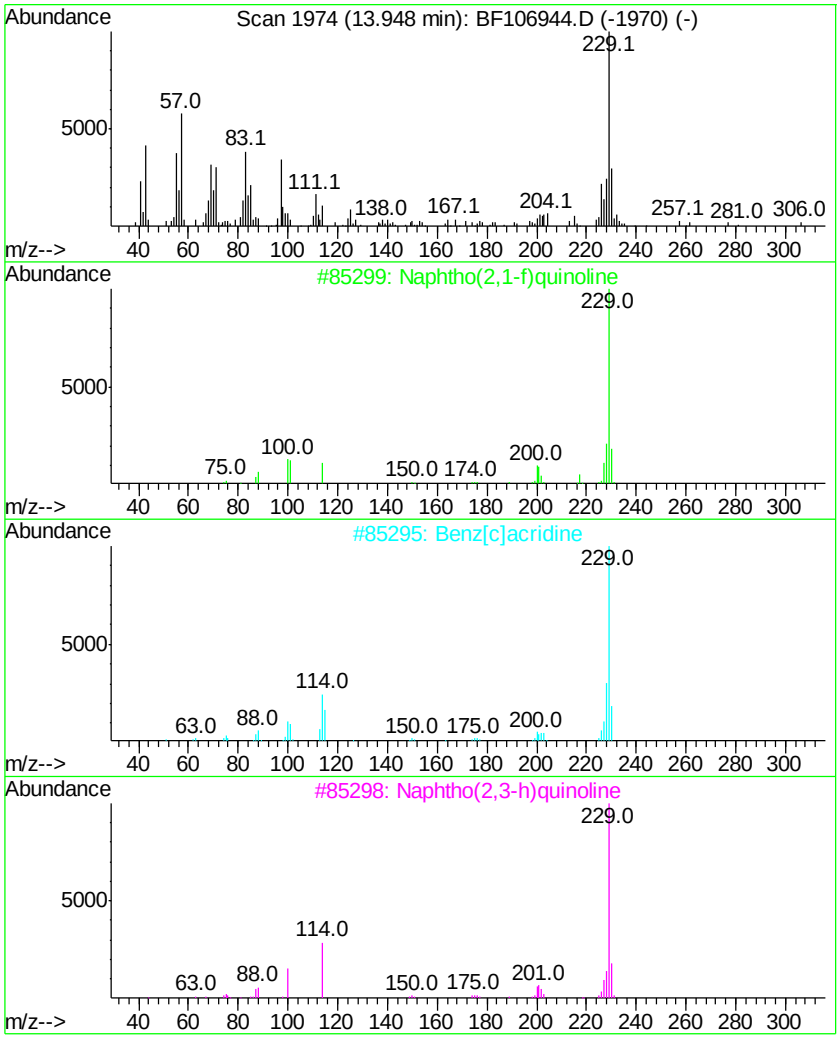
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

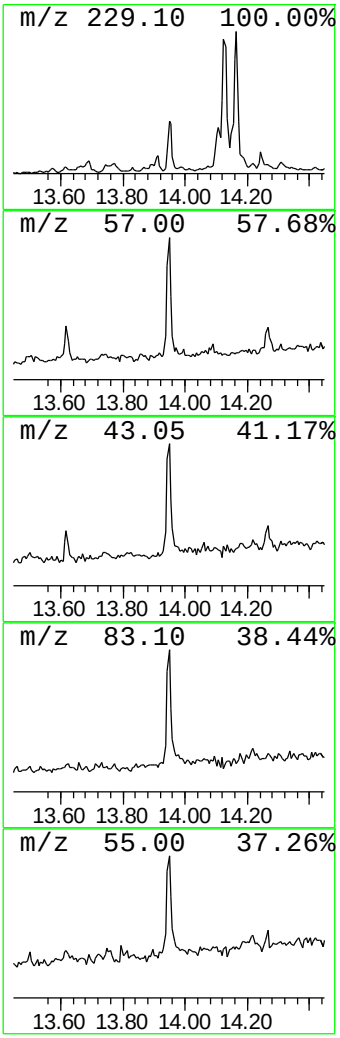
****

Peak Number 15 unknown13.95 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	2.68 ng	160948	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho(2,1-f)quinoline	229	C17H11N	000218-08-6	49
2	Benz[c]acridine	229	C17H11N	000225-51-4	45
3	Naphtho(2,3-h)quinoline	229	C17H11N	000084-56-0	43
4	7-Chloro-2-phenazinamine	229	C12H8ClN3	023677-11-4	38
5	Benzene, 1-bromo-4-isothiocyanat...	227	C8H6BrNS	071672-88-3	35





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
Data File : BF106944.D
Acq On : 29 Jun 2018 1:50
Operator : JU/SJ
Sample : J3048-10 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

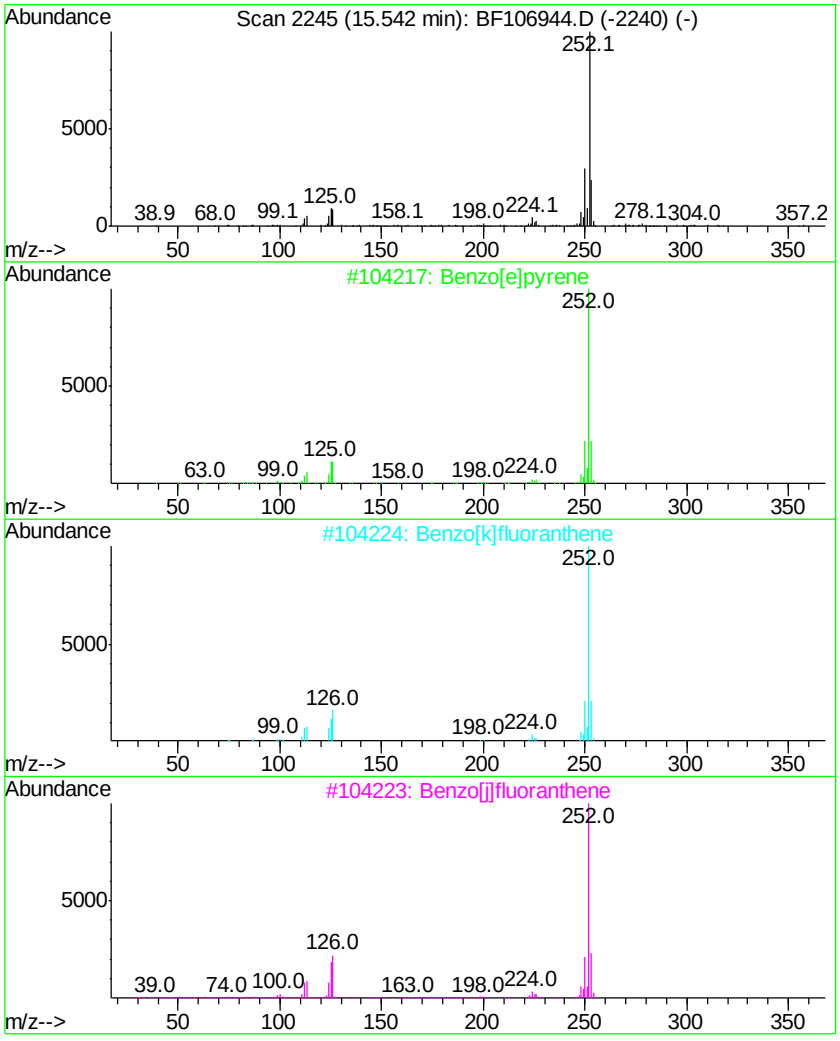
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

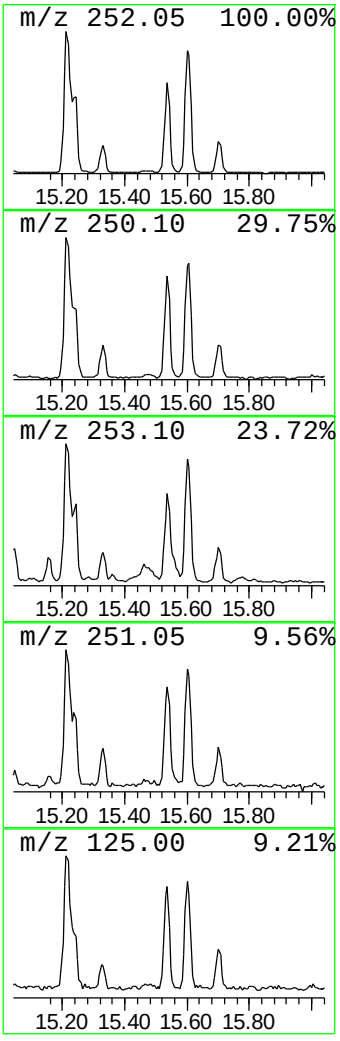
****

Peak Number 17 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	8.93 ng	231012	Perylene-d12	15.67

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	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
4	Perylene	252	C20H12	000198-55-0	95
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062818\
Data File : BF106944.D
Acq On : 29 Jun 2018 1:50
Operator : JU/SJ
Sample : J3048-10 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-3-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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...	5.18	4.7	ng	91552	1	6.95	391502	20.0
unknown6.72	6.72	37.8	ng	739685	1	6.95	391502	20.0
Naphtho[1,2-b]thi...	11.38	2.2	ng	45280	4	11.48	405477	20.0
Anthracene, 1-met...	11.99	4.0	ng	81747	4	11.48	405477	20.0
Phenanthrene, 2-m...	12.02	5.0	ng	101818	4	11.48	405477	20.0
4H-Cyclopenta[def...	12.10	9.1	ng	185311	4	11.48	405477	20.0
9,10-Bis(bromomet...	12.28	3.0	ng	60956	4	11.48	405477	20.0
Phenanthrene, 3,6...	12.54	3.0	ng	61668	4	11.48	405477	20.0
unknown12.58	12.58	3.3	ng	66120	4	11.48	405477	20.0
Cyclopenta(def)ph...	12.63	2.3	ng	46231	4	11.48	405477	20.0
11H-Benzo[b]fluorene	13.26	2.7	ng	163174	5	14.14	1201810	20.0
unknown13.95	13.95	2.7	ng	160948	5	14.14	1201810	20.0
Benzo[e]pyrene	15.54	8.9	ng	231012	6	15.67	517194	20.0