LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080218\
Data File : BF107913.D
Acq On : 2 Aug 2018 17:01
Operator : JU/SJ
Sample : J4285-13 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KG-PIT-4

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-BF073018.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	6.672	724	737	738	rBV7	19444	55287	1.53%	0.157%
2	6.748	746	750	751	rBV2	38789	42858	1.19%	0.121%
3	6.954	781	785	803	rBV	290974	665223	18.43%	1.884%
4	7.107	808	811	826	rVB	99642	199979	5.54%	0.566%
5	7.548	877	886	888	rBV4	15863	37863	1.05%	0.107%
6	8.237	999	1003	1028	rBV2	605858	1253172	34.71%	3.549%
7	8.954	1120	1125	1136	rBV	42800	99778	2.76%	0.283%
8	9.048	1138	1141	1152	rVB	53418	80899	2.24%	0.229%
9	9.307	1182	1185	1193	rBV	113471	179248	4.96%	0.508%
10	9.648	1239	1243	1246	rBV	42101	50702	1.40%	0.144%
11	9.860	1275	1279	1284	rBV	66134	91004	2.52%	0.258%
12	9.995	1294	1302	1305	rBV	685186	794805	22.01%	2.251%
13	10.025	1305	1307	1316	rVB	208733	259122	7.18%	0.734%
14	10.207	1333	1338	1341	rBV2	39606	75699	2.10%	0.214%
15	10.548	1391	1396	1402	rBV2	99495	165171	4.57%	0.468%
16	10.795	1433	1438	1443	rBV6	58812	107058	2.97%	0.303%
17	11.095	1482	1489	1492	rBV6	32575	66926	1.85%	0.190%
18	11.342	1530	1531	1536	rVV2	50318	46819	1.30%	0.133%
19	11.389	1536	1539	1551	rVB	65519	123961	3.43%	0.351%
20	11.495	1553	1557	1558	rBV	556323	614786	17.03%	1.741%
21	11.519	1558	1561	1567	rVV	1590336	2098172	58.11%	5.942%
22	11.572	1567	1570	1586	rVB	288268	567041	15.71%	1.606%
23	11.742	1595	1599	1604	rBV2	98743	192316	5.33%	0.545%
24	11.995	1638	1642	1644	rBV	223533	258917	7.17%	0.733%
25	12.025	1644	1647	1653	rVB	217385	260843	7.22%	0.739%
26	12.107	1657	1661	1663	rBV2	303471	347415	9.62%	0.984%
27	12.289	1689	1692	1696	rBV	117217	162767	4.51%	0.461%
28	12.330	1696	1699	1702	rVB2	44014	58443	1.62%	0.166%
29	12.436	1715	1717	1720	rBV	47726	48347	1.34%	0.137%
30	12.542	1732	1735	1738	rBV	142370	174398	4.83%	0.494%
31	12.642	1747	1752	1759	rVB2	107206	200619	5.56%	0.568%
32	12.713	1760	1764	1773	rBV	2755163	3360956	93.09%	9.518%
33	12.866	1787	1790	1796	rVB2	87528	135362	3.75%	0.383%
34	12.948	1796	1804	1809	rBV	2371045	3422254	94.79%	9.692%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080218\
Data File : BF107913.D
Acq On : 2 Aug 2018 17:01
Operator : JU/SJ
Sample : J4285-13 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KG-PIT-4

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-BF073018.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.072	1821	1825	1829	rBV2	210404	298185	8.26%	0.844%
36	13.160	1835	1840	1846	rVB2	182647	322931	8.94%	0.915%
37	13.207	1846	1848	1851	rBV2	59130	73758	2.04%	0.209%
38	13.272	1851	1859	1867	rVV	384760	737020	20.41%	2.087%
39	13.336	1867	1870	1873	rBV	237718	271084	7.51%	0.768%
40	13.372	1873	1876	1884	rVB3	237924	402876	11.16%	1.141%
41	13.466	1889	1892	1895	rVV	197809	216885	6.01%	0.614%
42	13.501	1895	1898	1906	rVB2	204534	302861	8.39%	0.858%
43	13.789	1943	1947	1959	rVB	199173	364575	10.10%	1.032%
44	13.895	1962	1965	1967	rVV	321001	367725	10.19%	1.041%
45	13.919	1967	1969	1972	rVV	321004	367016	10.17%	1.039%
46	13.948	1972	1974	1980	rVV4	248464	467518	12.95%	1.324%
47	14.001	1980	1983	1989	rVB	212781	316079	8.75%	0.895%
48	14.142	2002	2007	2010	rBV2	1784239	3093054	85.67%	8.760%
49	14.177	2010	2013	2023	rVV	1736501	2375529	65.80%	6.728%
50	14.254	2023	2026	2031	rVB	173657	200652	5.56%	0.568%
51	14.360	2041	2044	2047	rBV2	146300	187939	5.21%	0.532%
52	14.530	2071	2073	2077	rVV	212822	243008	6.73%	0.688%
53	14.566	2077	2079	2083	rVB	169708	153445	4.25%	0.435%
54	14.660	2093	2095	2097	rBV2	107370	98508	2.73%	0.279%
55	15.230	2186	2192	2207	rBV	1357900	3610382	100.00%	10.225%
56	15.336	2208	2210	2214	rVB	156627	181814	5.04%	0.515%
57	15.548	2242	2246	2253	rVB	726405	1074259	29.75%	3.042%
58	15.618	2254	2258	2265	rBV	848078	1409461	39.04%	3.992%
59	15.683	2265	2269	2272	rBV	393278	563622	15.61%	1.596%
60	17.265	2532	2538	2552	rVB	316468	804956	22.30%	2.280%
61	17.748	2614	2620	2627	rBV2	201776	507104	14.05%	1.436%

Sum of corrected areas: 35310456

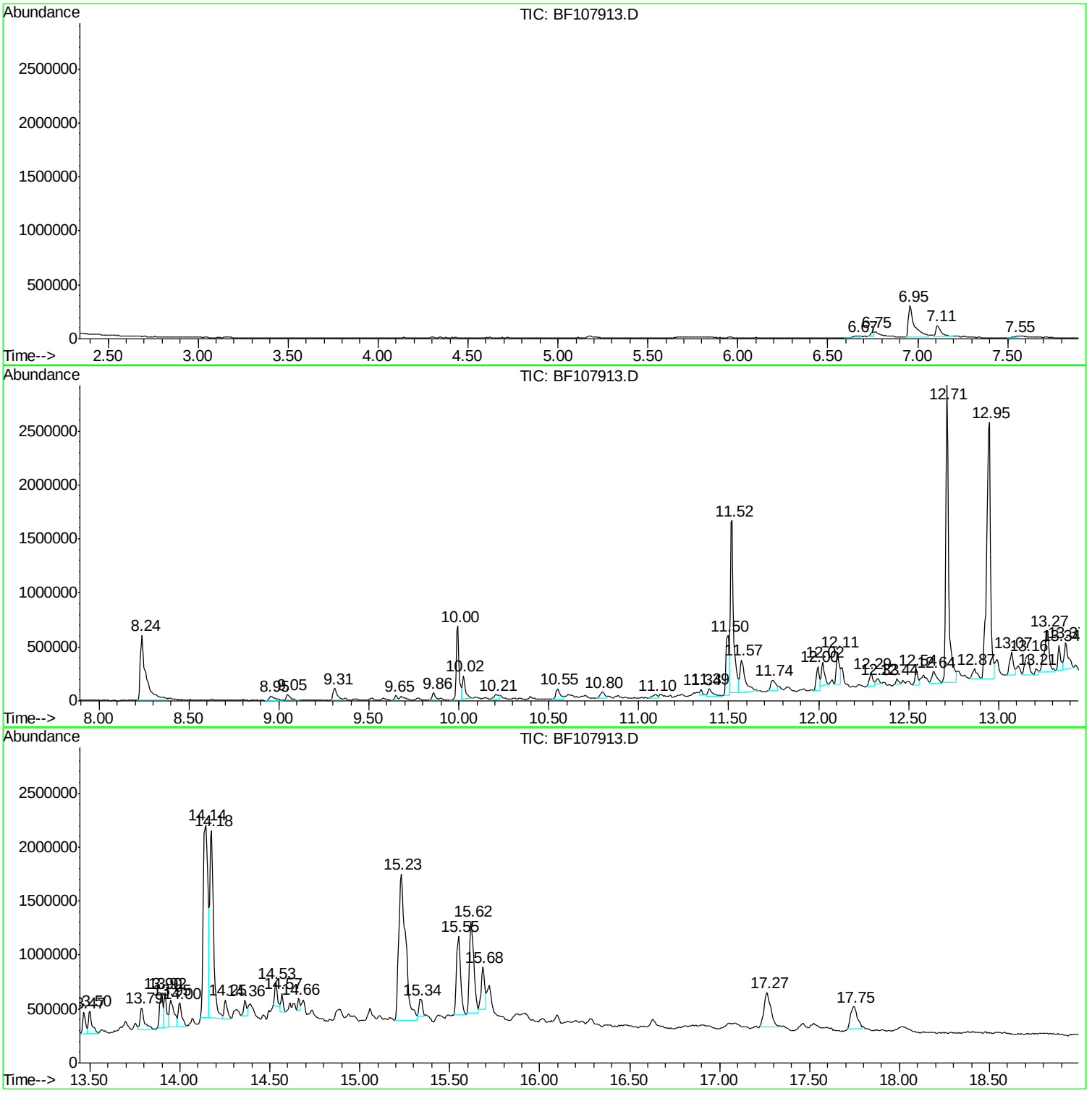
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080218\
Data File : BF107913.D
Acq On : 2 Aug 2018 17:01
Operator : JU/SJ
Sample : J4285-13 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KG-PIT-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Data File : BF107913.D
Acq On : 2 Aug 2018 17:01
Operator : JU/SJ
Sample : J4285-13 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KG-PIT-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

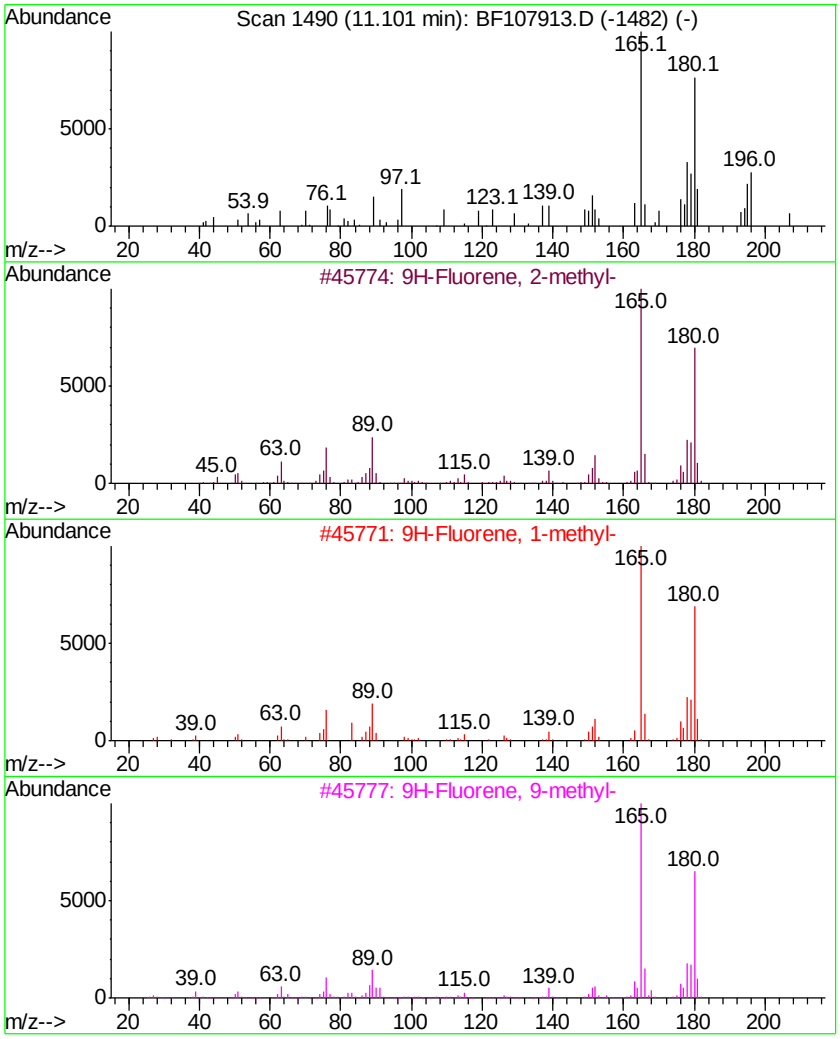
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

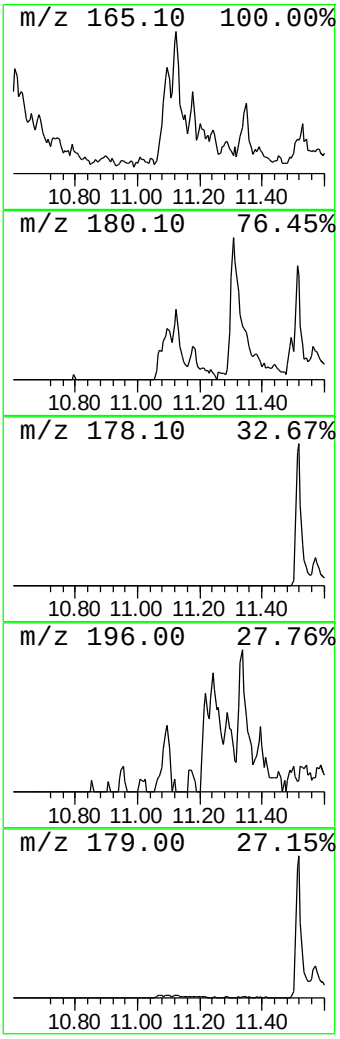
****

Peak Number 2 9H-Fluorene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	2.18 ng	66926	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	78
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	60
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	53
5	9-Methoxyfluorene	196	C14H12O	019126-15-9	49





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080218\
Data File : BF107913.D
Acq On : 2 Aug 2018 17:01
Operator : JU/SJ
Sample : J4285-13 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KG-PIT-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

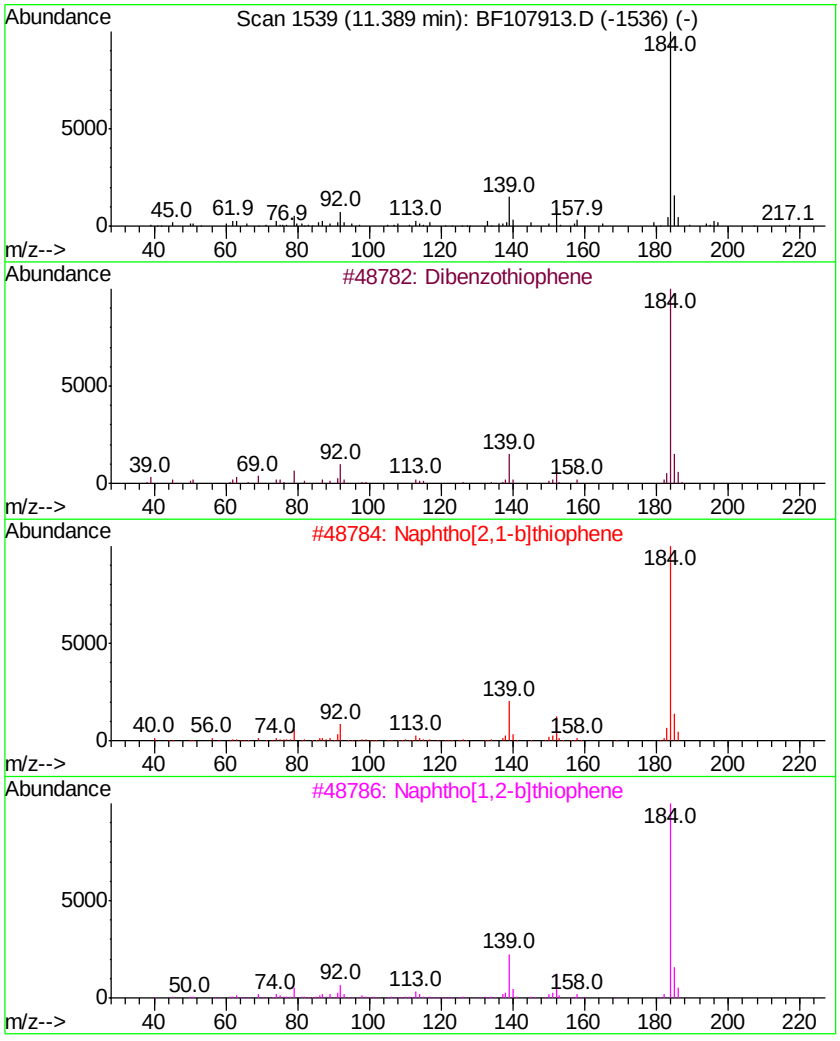
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

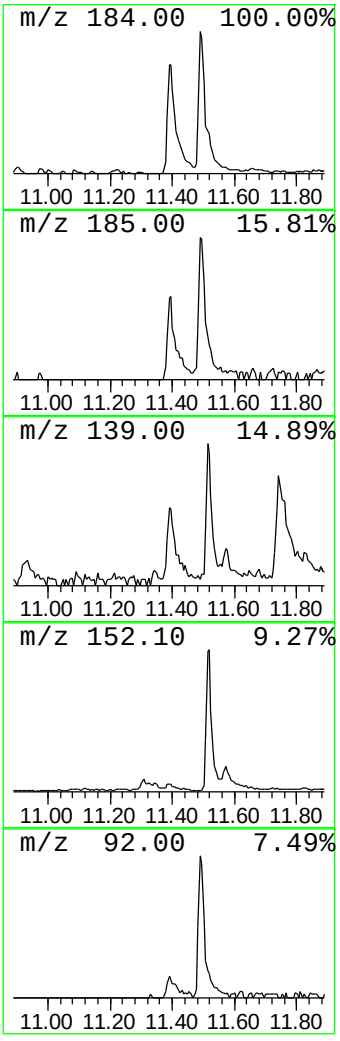
****

Peak Number 3 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.39	4.03 ng	123961	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	90
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080218\
Data File : BF107913.D
Acq On : 2 Aug 2018 17:01
Operator : JU/SJ
Sample : J4285-13 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KG-PIT-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

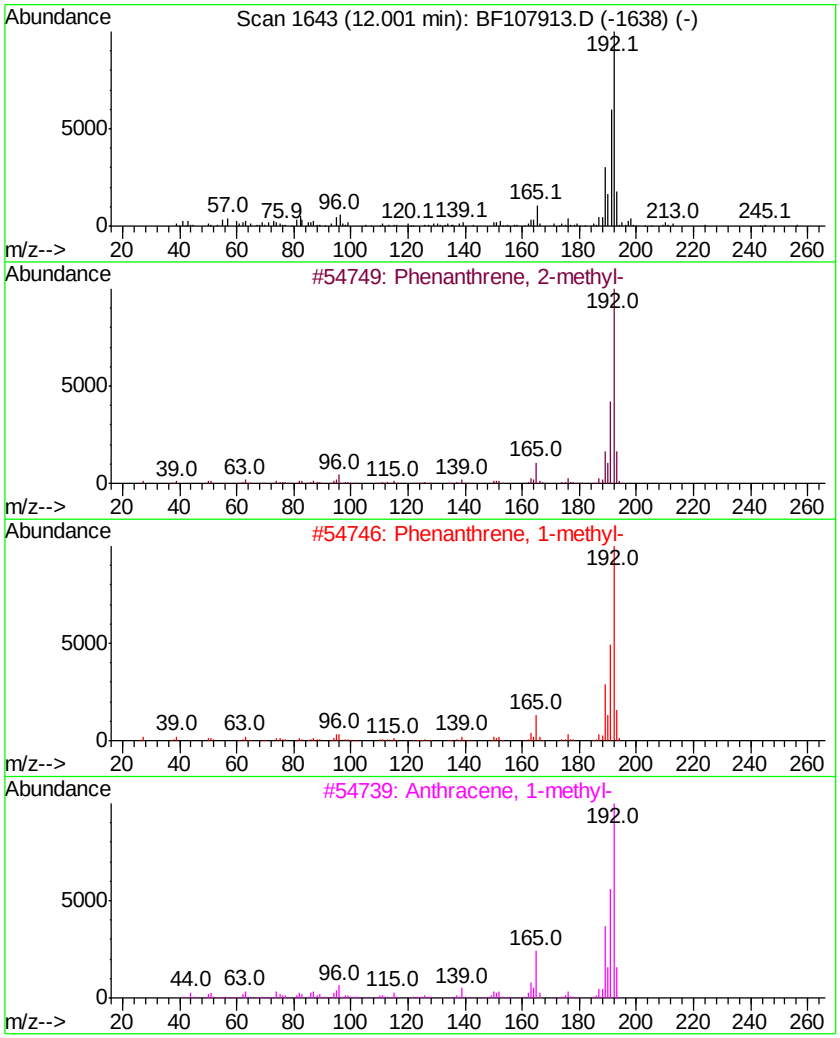
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

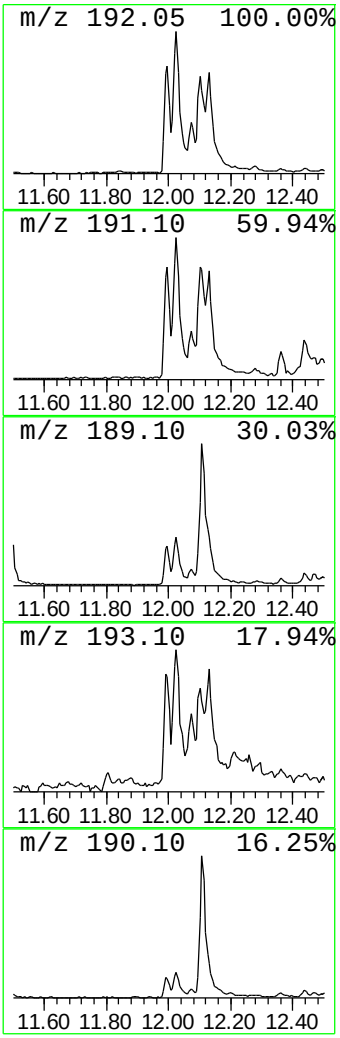
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	8.42 ng	258917	Phenanthrene-d10	11.50

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	94
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080218\
Data File : BF107913.D
Acq On : 2 Aug 2018 17:01
Operator : JU/SJ
Sample : J4285-13 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KG-PIT-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

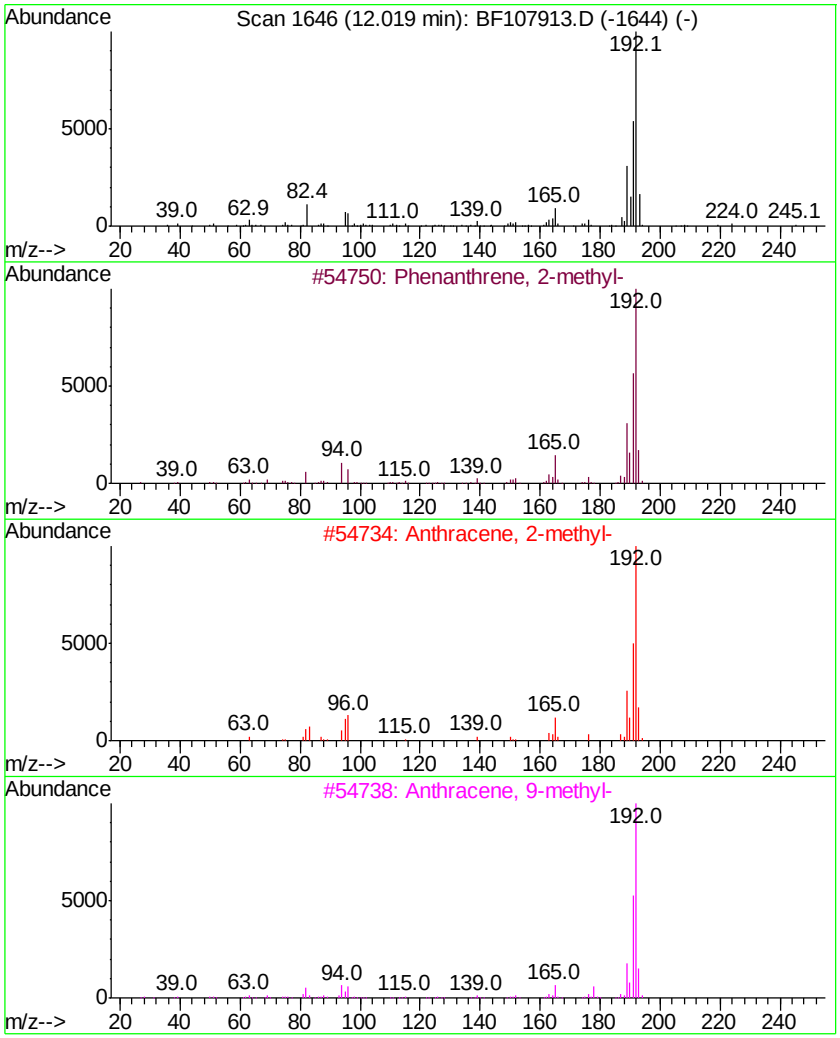
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

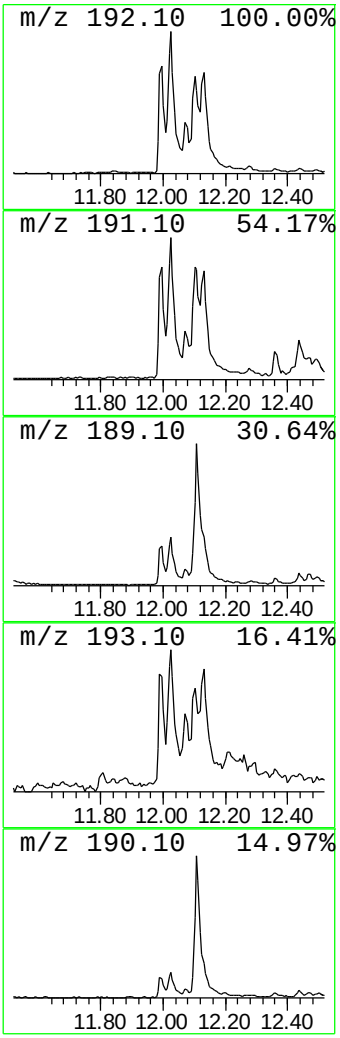
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	8.49 ng	260843	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87
5	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	81





Library Search Compound Report

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Data File : BF107913.D
Acq On : 2 Aug 2018 17:01
Operator : JU/SJ
Sample : J4285-13 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KG-PIT-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

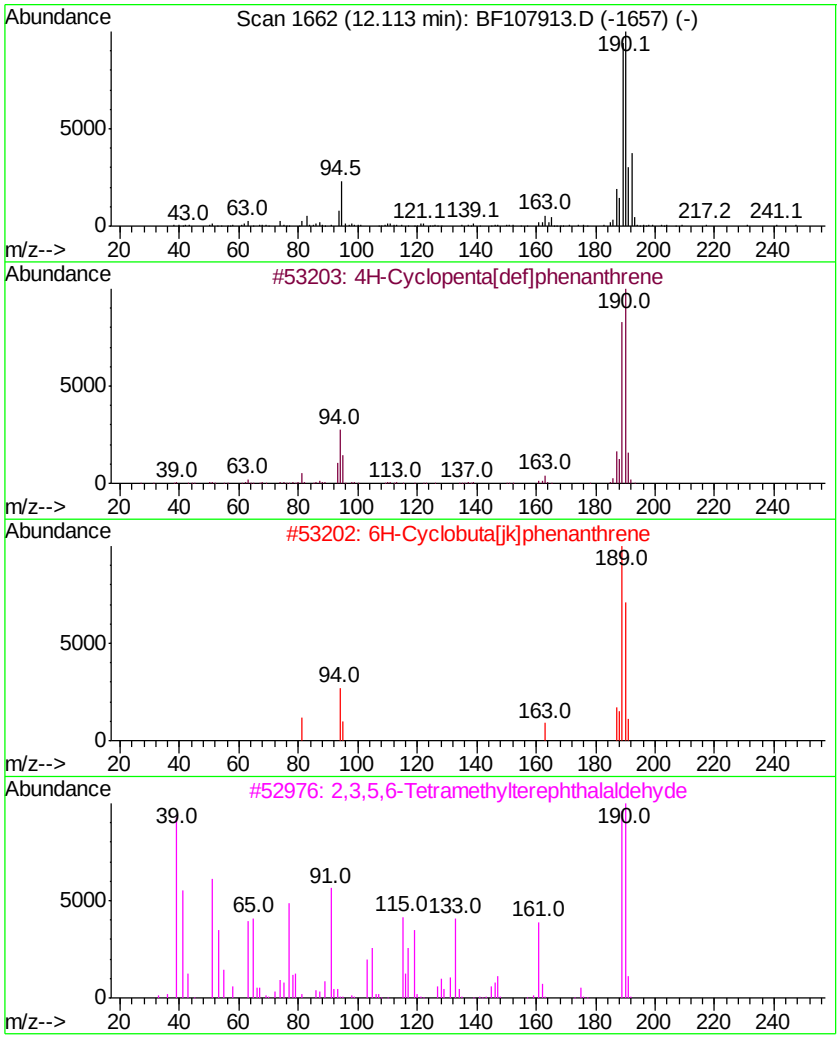
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

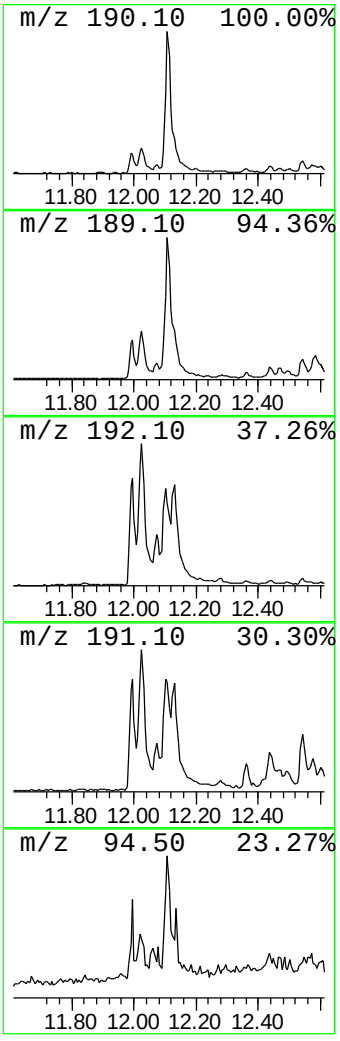
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	11.30 ng	347415	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	59
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
4	Methyl diselenide	190	C2H6Se2	007101-31-7	43
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080218\
Data File : BF107913.D
Acq On : 2 Aug 2018 17:01
Operator : JU/SJ
Sample : J4285-13 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KG-PIT-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

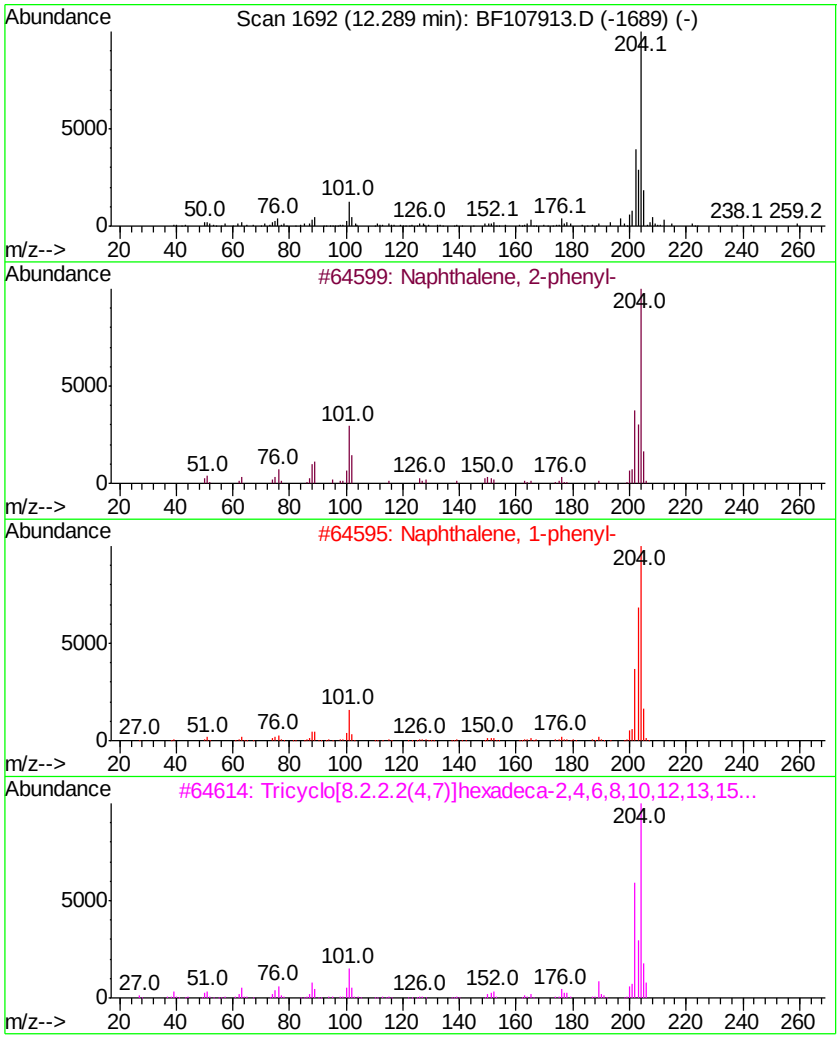
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

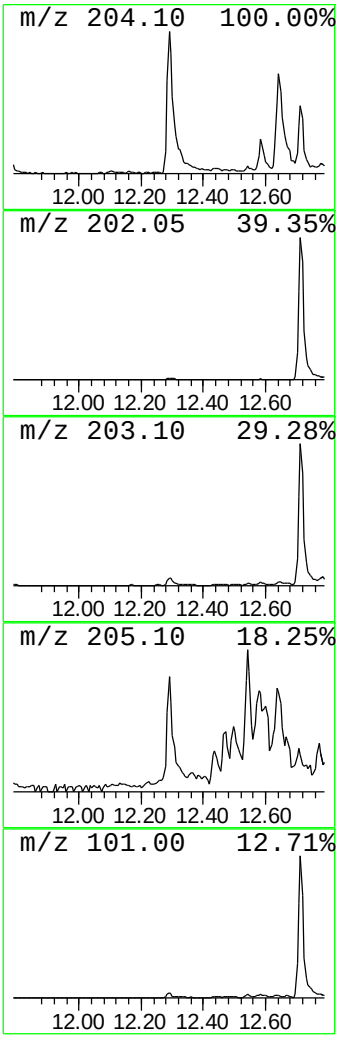
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	5.30 ng	162767	Phenanthrene-d10	11.50

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	78
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080218\
Data File : BF107913.D
Acq On : 2 Aug 2018 17:01
Operator : JU/SJ
Sample : J4285-13 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KG-PIT-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

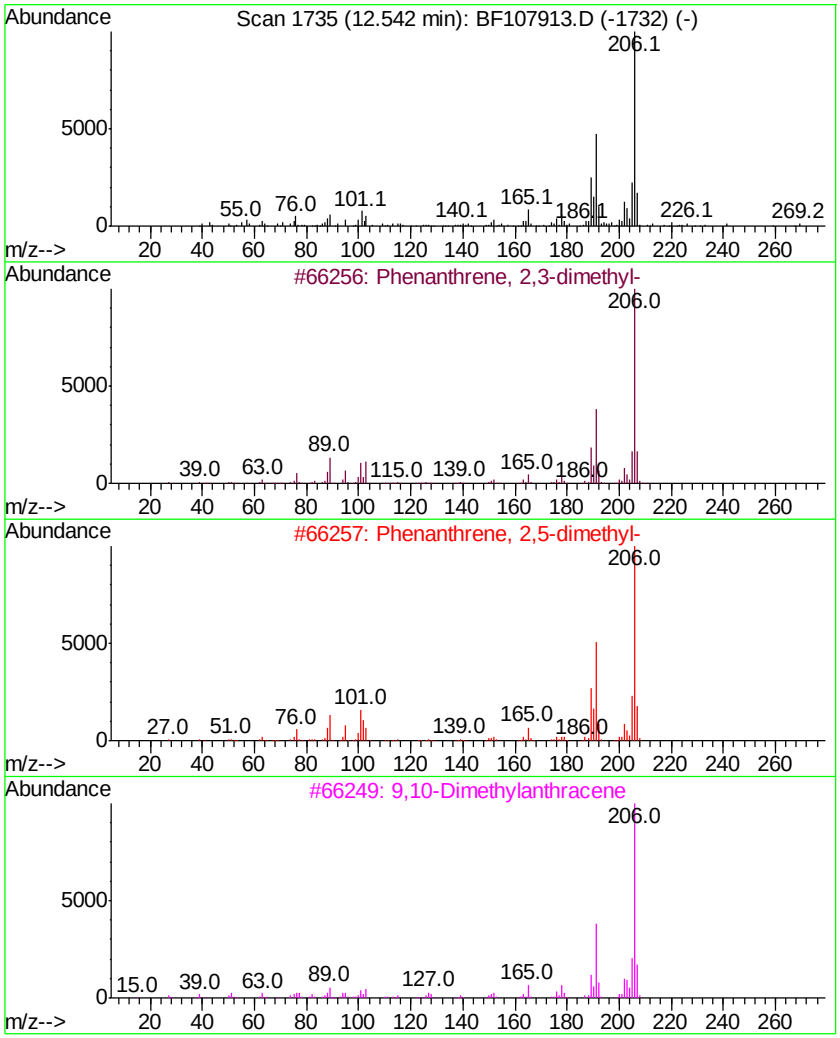
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

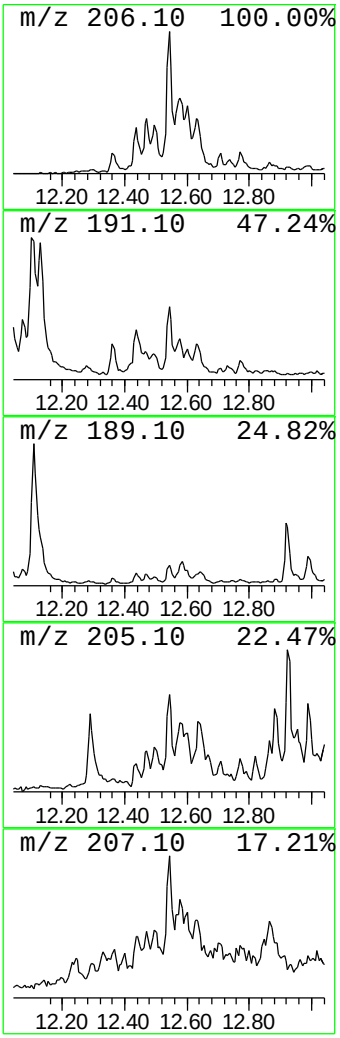
****

Peak Number 8 Phenanthrene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	5.67 ng	174398	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
5	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	90





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Acq On : 2 Aug 2018 17:01
Operator : JU/SJ
Sample : J4285-13 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KG-PIT-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

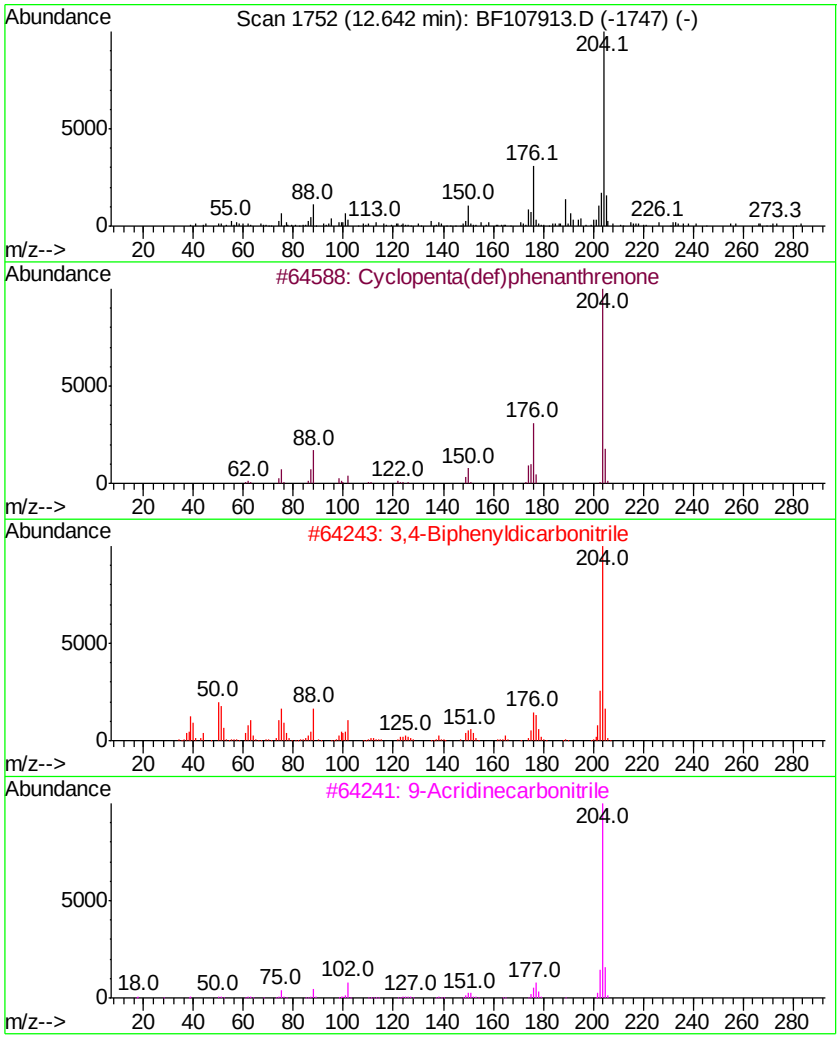
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

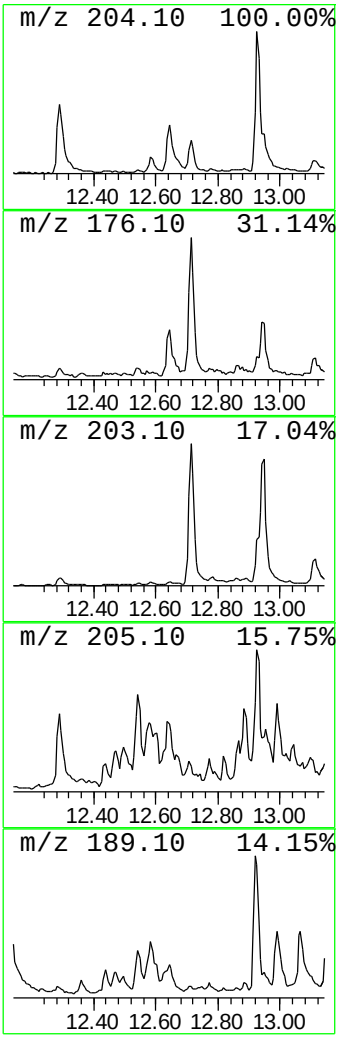
****

Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	6.53 ng	200619	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	76
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	72
3	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	64
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	59
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	53





Library Search Compound Report

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Data File : BF107913.D
Acq On : 2 Aug 2018 17:01
Operator : JU/SJ
Sample : J4285-13 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KG-PIT-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

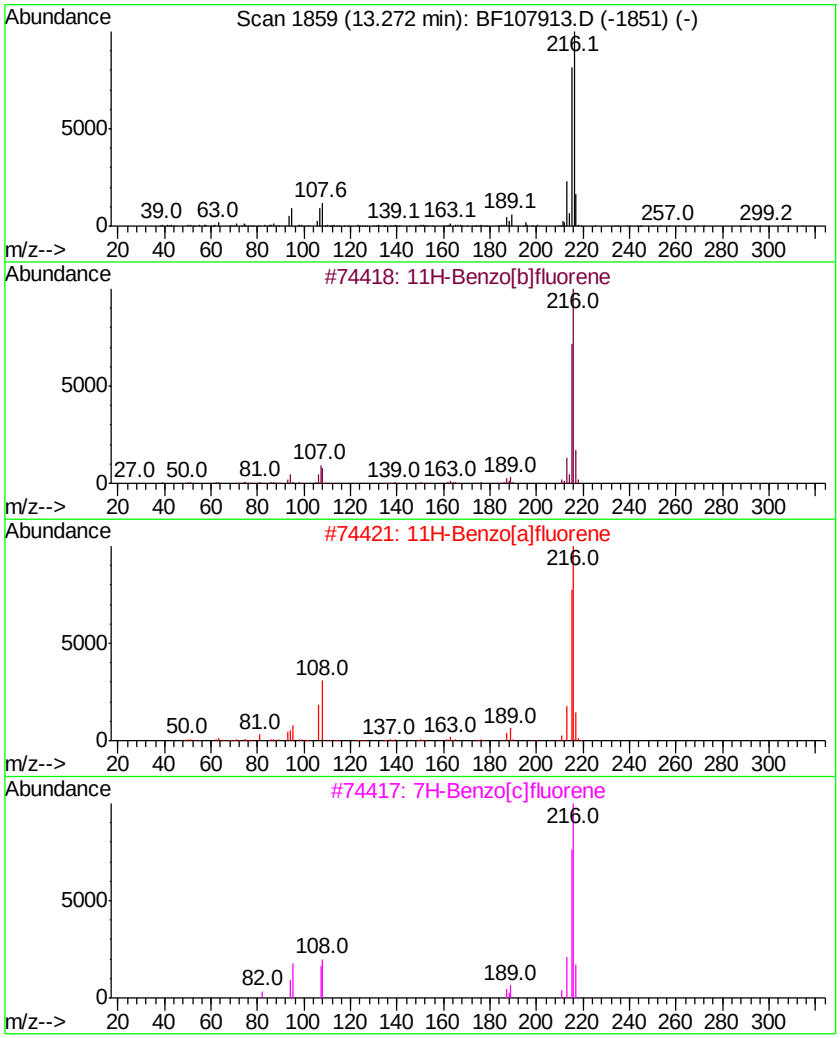
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

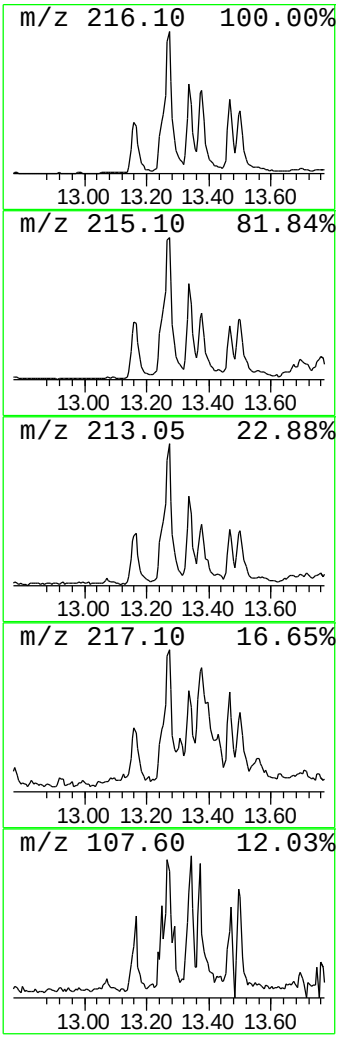
****

Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	4.77 ng	737020	Chrysene-d12	14.15

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	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	72
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64





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Acq On : 2 Aug 2018 17:01
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Sample : J4285-13 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KG-PIT-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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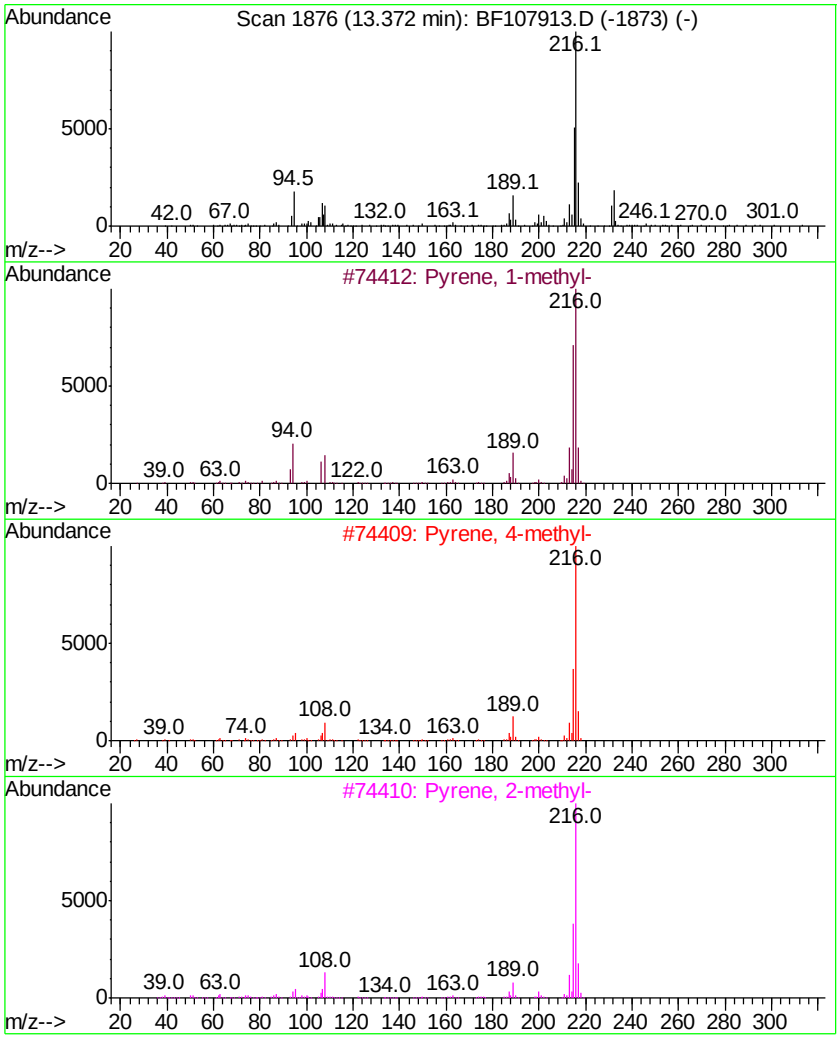
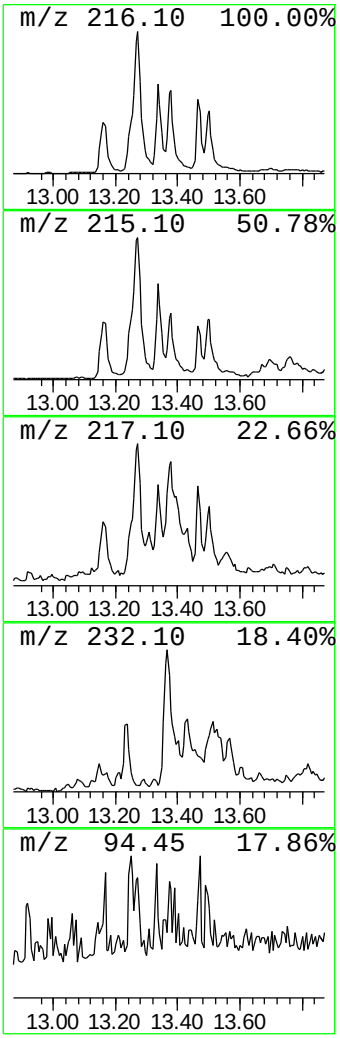
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	2.61 ng	402876	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70





Library Search Compound Report

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Sample : J4285-13 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KG-PIT-4

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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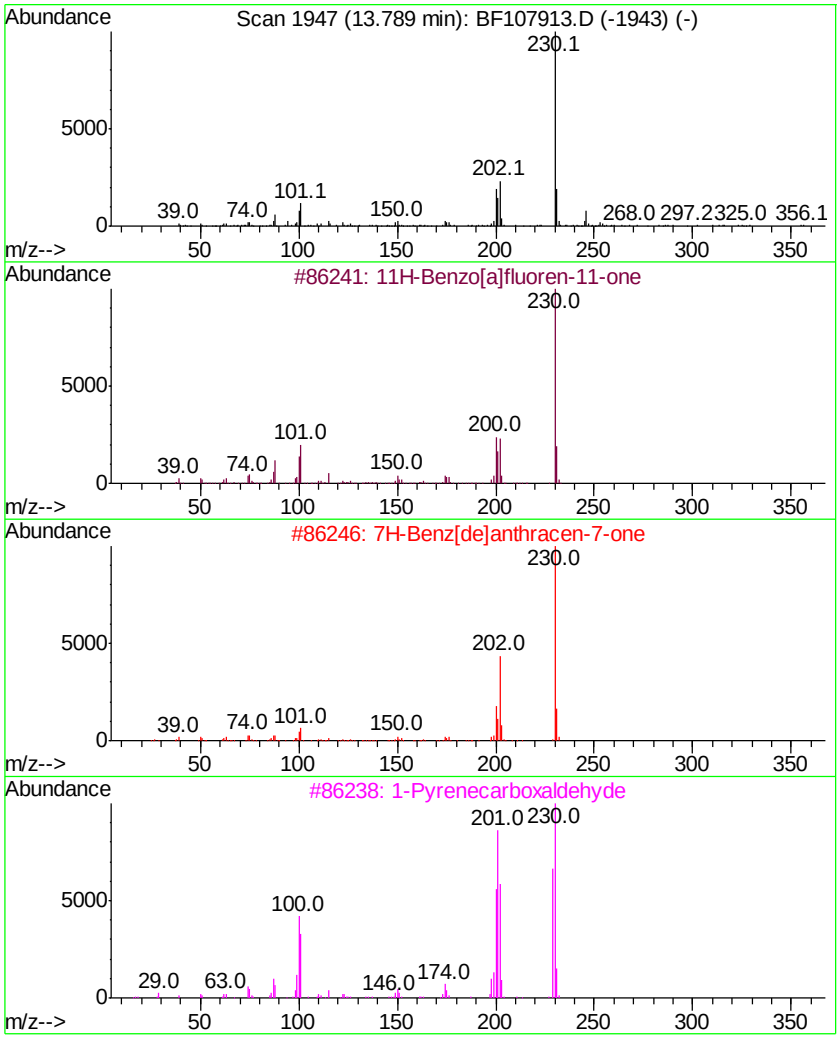
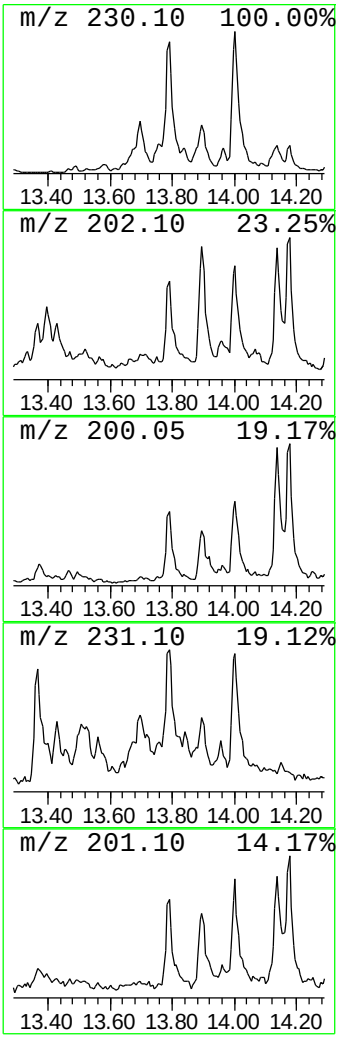
Peak Number 13 11H-Benzo[a]fluoren-11-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	2.36 ng	364575	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	93
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
4	o-Terphenyl	230	C18H14	000084-15-1	58
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	58





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Operator : JU/SJ
Sample : J4285-13 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KG-PIT-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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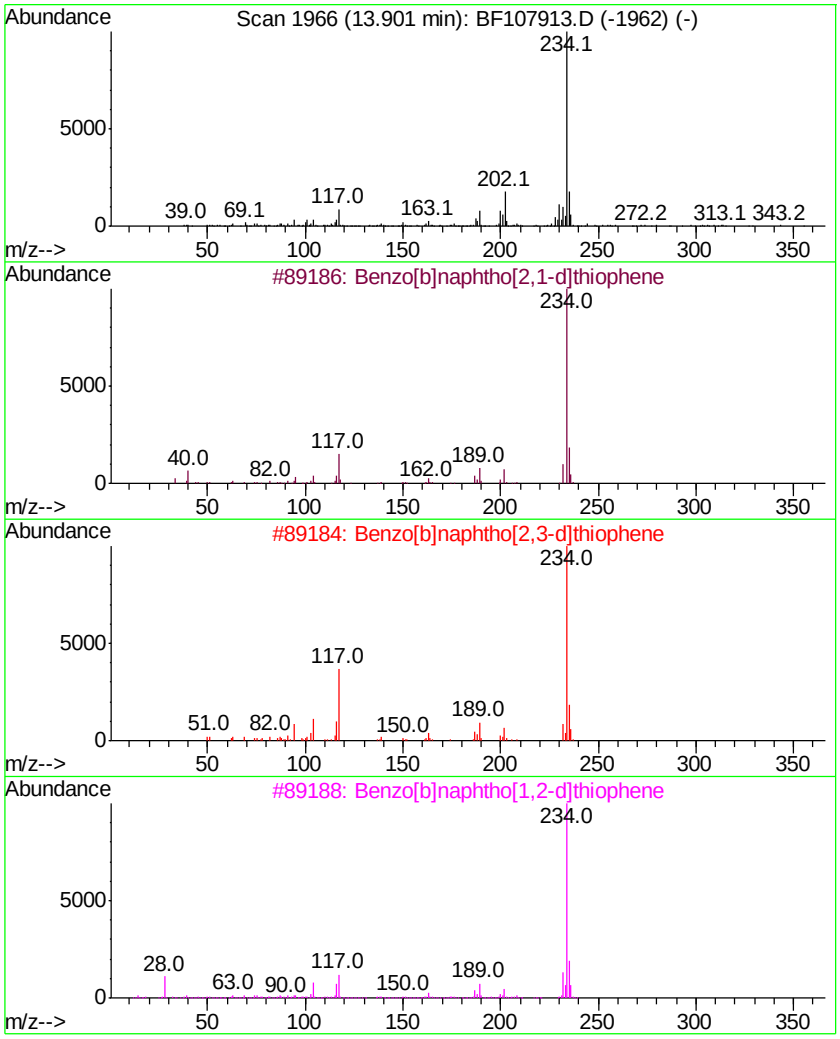
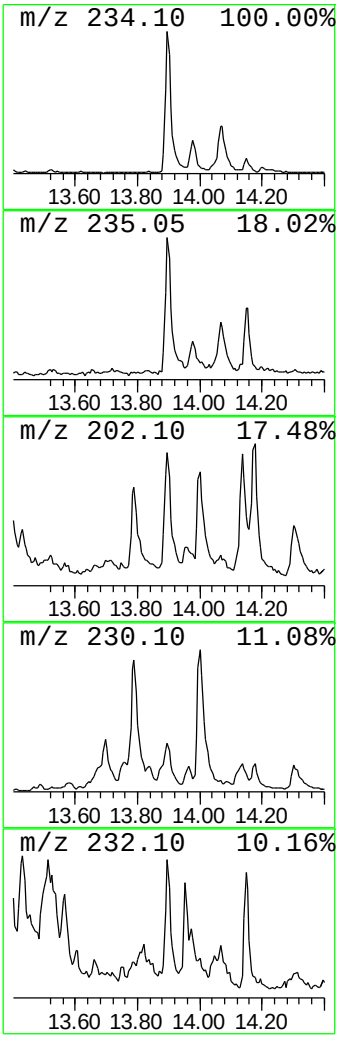
Peak Number 14 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	2.38 ng	367725	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	64
4	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	59
5	Anthra[1,9a,9-cd:5,10a,10-c'd']d...	234	C14H6N2O2	000201-91-2	53





Library Search Compound Report

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Data File : BF107913.D
Acq On : 2 Aug 2018 17:01
Operator : JU/SJ
Sample : J4285-13 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KG-PIT-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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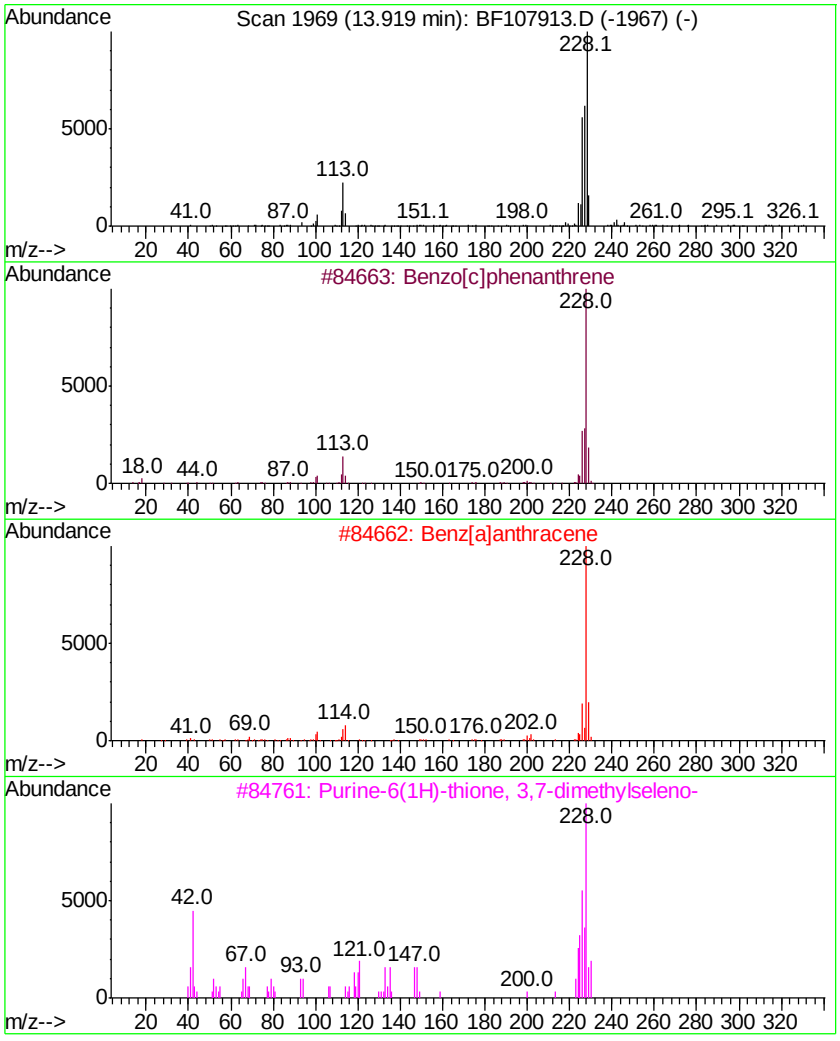
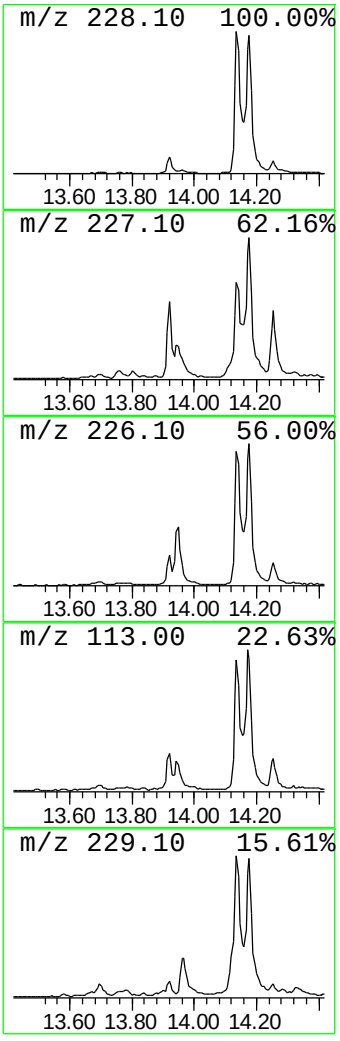
Peak Number 15 unknown13.92 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	2.37 ng	367016	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
2	Benz[a]anthracene	228	C18H12	000056-55-3	43
3	Purine-6(1H)-thione, 3,7-dimethy...	228	C7H8N4Se	023663-58-3	42
4	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	38
5	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	38





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Acq On : 2 Aug 2018 17:01
Operator : JU/SJ
Sample : J4285-13 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KG-PIT-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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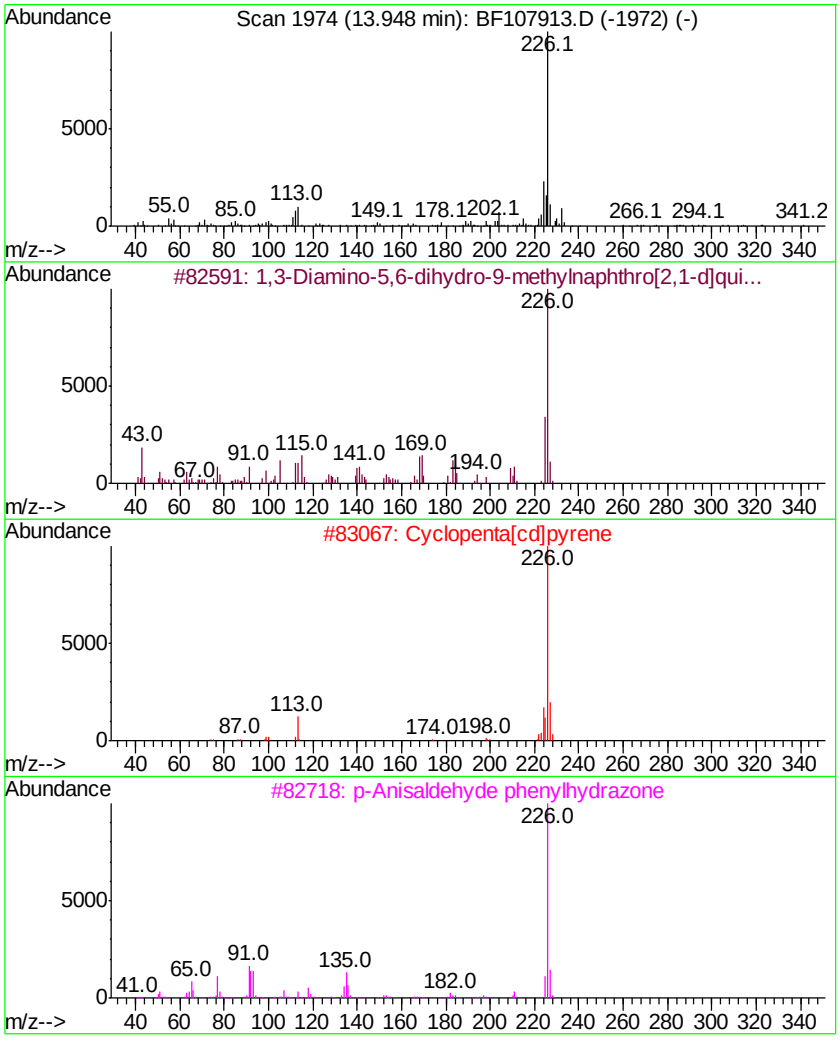
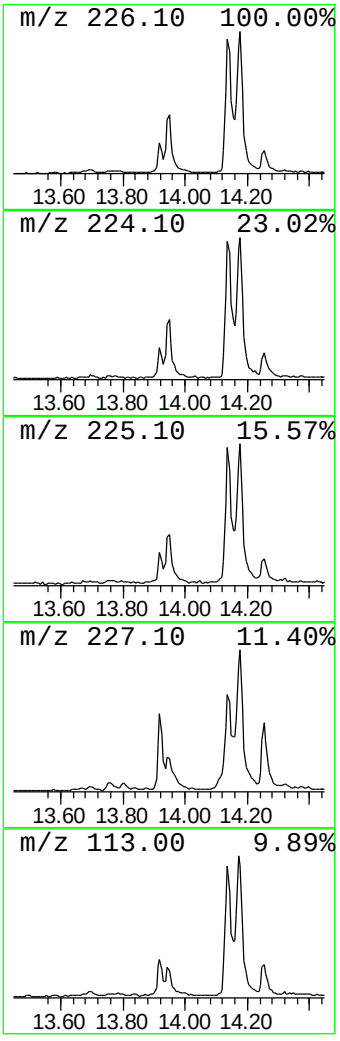
Peak Number 16 unknown13.95 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	3.02 ng	467518	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	47
2	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	47
3	p-Anisaldehyde phenylhydrazone	226	C14H14N2O	000622-73-1	38
4	1,8-Diazacyclotetradecane-2,7-dione	226	C12H22N2O2	004266-66-4	37
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	28





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Operator : JU/SJ
Sample : J4285-13 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KG-PIT-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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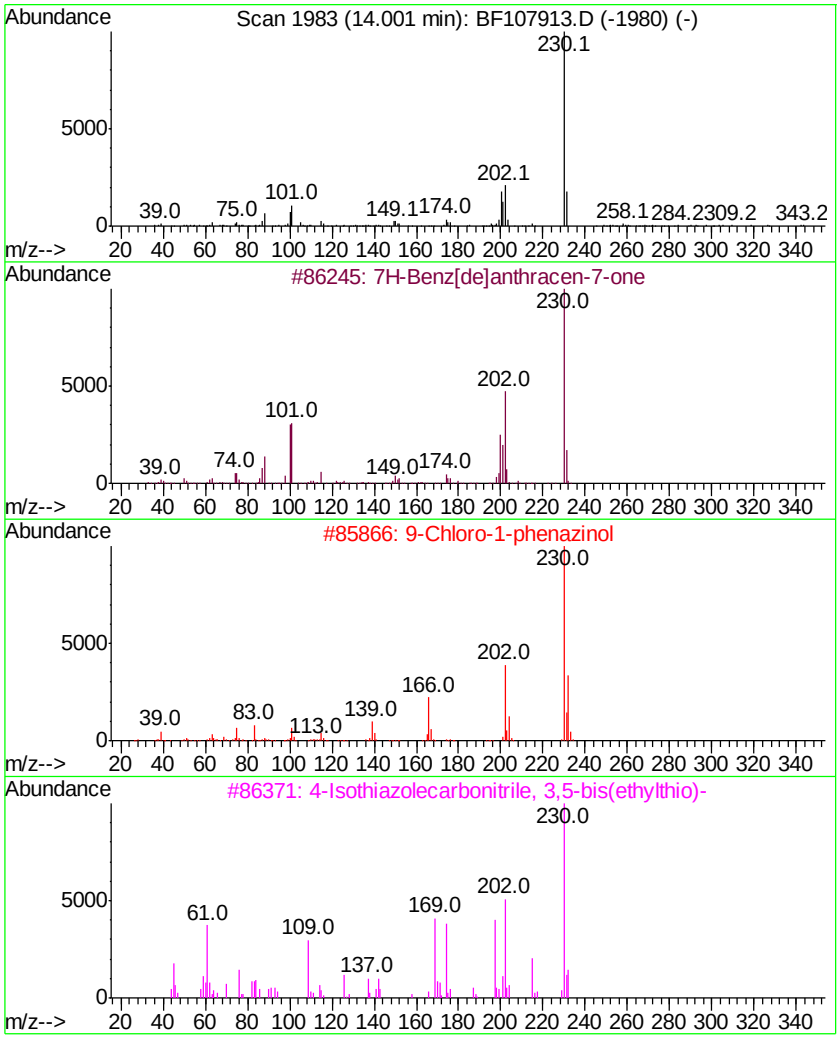
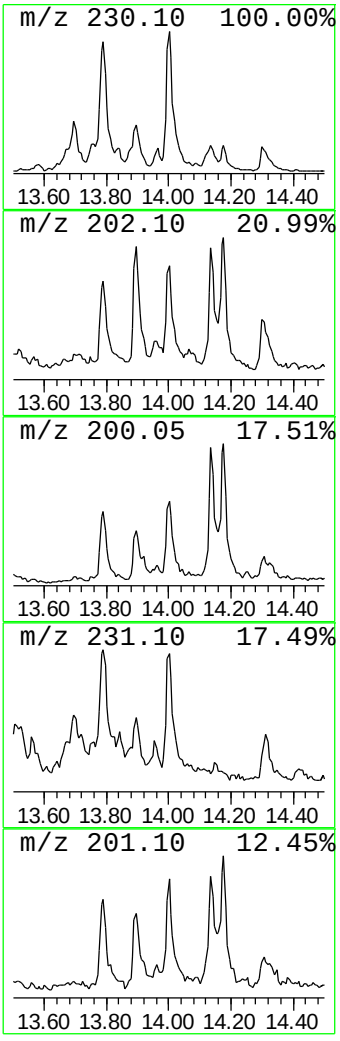
Peak Number 17 7H-Benz[de]anthracen-7-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.00	2.04 ng	316079	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
2	9-Chloro-1-phenazinol	230	C12H7ClN2O	091268-03-0	64
3	4-Isothiazolecarbonitrile, 3,5-b...	230	C8H10N2S3	024135-13-5	64
4	o-Terphenyl	230	C18H14	000084-15-1	64
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	59





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Acq On : 2 Aug 2018 17:01
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Sample : J4285-13 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : KG-PIT-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

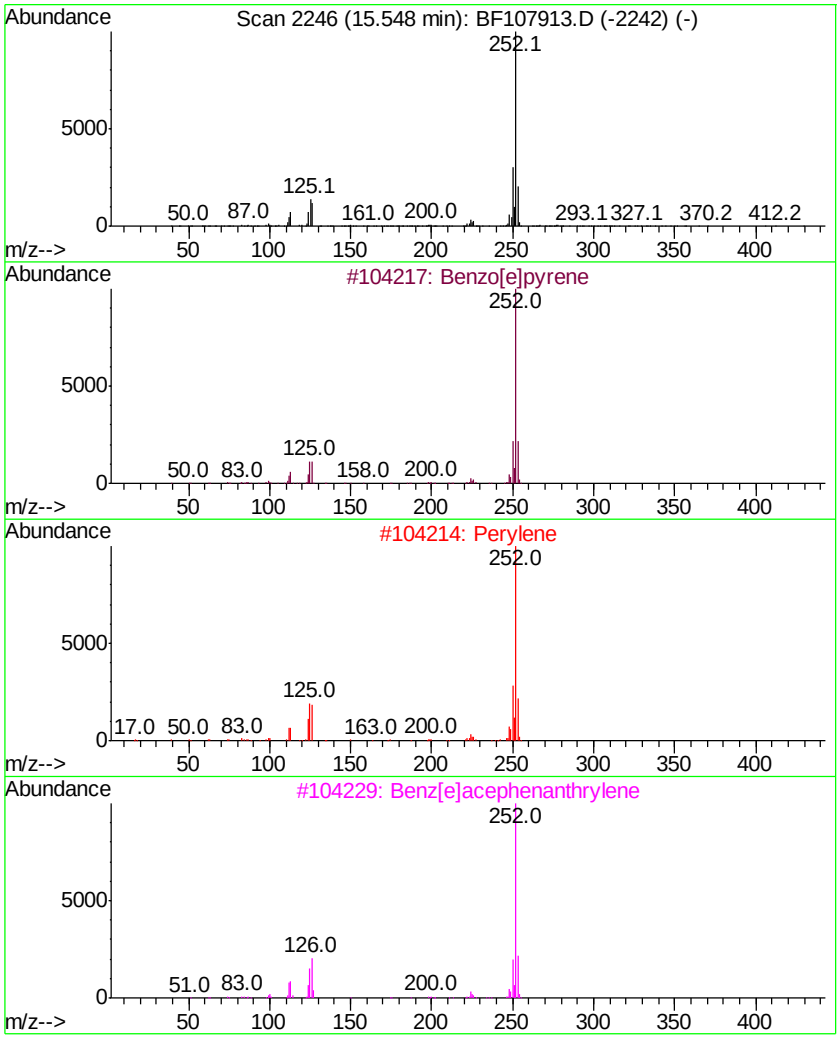
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

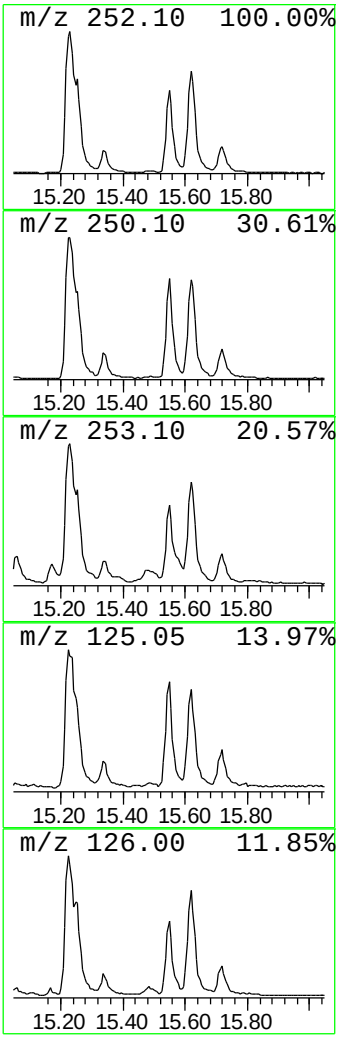
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	38.12 ng	1074260	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080218\
Data File : BF107913.D
Acq On : 2 Aug 2018 17:01
Operator : JU/SJ
Sample : J4285-13 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
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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
9H-Fluorene, 2-me...	11.10	2.2	ng	66926	4	11.50	614786	20.0
Dibenzothiophene	11.39	4.0	ng	123961	4	11.50	614786	20.0
Phenanthrene, 1-m...	12.00	8.4	ng	258917	4	11.50	614786	20.0
Phenanthrene, 2-m...	12.02	8.5	ng	260843	4	11.50	614786	20.0
4H-Cyclopenta[def...	12.11	11.3	ng	347415	4	11.50	614786	20.0
Naphthalene, 2-ph...	12.29	5.3	ng	162767	4	11.50	614786	20.0
Phenanthrene, 2,3...	12.54	5.7	ng	174398	4	11.50	614786	20.0
Cyclopenta(def)ph...	12.64	6.5	ng	200619	4	11.50	614786	20.0
11H-Benzo[b]fluorene	13.27	4.8	ng	737020	5	14.15	3093050	20.0
Pyrene, 1-methyl-	13.37	2.6	ng	402876	5	14.15	3093050	20.0
11H-Benzo[a]fluor...	13.79	2.4	ng	364575	5	14.15	3093050	20.0
Benzo[b]naphtho[2...	13.90	2.4	ng	367725	5	14.15	3093050	20.0
unknown13.92	13.92	2.4	ng	367016	5	14.15	3093050	20.0
unknown13.95	13.95	3.0	ng	467518	5	14.15	3093050	20.0
7H-Benz[de]anthra...	14.00	2.0	ng	316079	5	14.15	3093050	20.0
Benzo[e]pyrene	15.55	38.1	ng	1074260	6	15.68	563622	20.0