LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070718\
Data File : BF107219.D
Acq On : 7 Jul 2018 20:51
Operator : JU/SJ
Sample : J3880-15
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-18

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	5.183	480	484	499	rBV	109091	128909	12.27%	1.093%
2	5.595	550	554	575	rBV	843616	867171	82.54%	7.350%
3	6.595	721	724	741	rBV2	821325	899688	85.63%	7.625%
4	6.730	743	747	750	rVV	913523	858137	81.68%	7.273%
5	6.766	750	753	763	rVB2	13708	15661	1.49%	0.133%
6	6.948	781	784	790	rBV	366641	298339	28.40%	2.529%
7	7.107	807	811	814	rBV	756542	683321	65.04%	5.791%
8	7.513	876	880	890	rBV	501878	484151	46.08%	4.103%
9	8.230	999	1002	1022	rVB	322190	357649	34.04%	3.031%
10	8.948	1121	1124	1131	rBV	16311	14886	1.42%	0.126%
11	9.307	1181	1185	1192	rBV	981238	904692	86.11%	7.668%
12	9.695	1246	1251	1258	rVB	180975	179692	17.10%	1.523%
13	9.854	1273	1278	1282	rBV	20648	19672	1.87%	0.167%
14	9.995	1298	1302	1305	rBV	385831	338780	32.25%	2.871%
15	10.024	1305	1307	1310	rVB	22617	16578	1.58%	0.141%
16	10.201	1331	1337	1339	rBV2	13522	16843	1.60%	0.143%
17	10.395	1367	1370	1373	rBV	20014	15108	1.44%	0.128%
18	10.542	1392	1395	1400	rVB2	18492	20433	1.94%	0.173%
19	10.789	1433	1437	1447	rBV	596286	554997	52.82%	4.704%
20	10.871	1448	1451	1455	rVB2	15461	22434	2.14%	0.190%
21	11.295	1519	1523	1525	rBV	12808	12631	1.20%	0.107%
22	11.318	1525	1527	1530	rBV3	10594	12147	1.16%	0.103%
23	11.489	1552	1556	1558	rBV	463284	387413	36.87%	3.283%
24	11.512	1558	1560	1564	rVB	224704	172227	16.39%	1.460%
25	11.565	1566	1569	1573	rBV	66337	57090	5.43%	0.484%
26	11.724	1590	1596	1598	rBV2	19626	21282	2.03%	0.180%
27	11.748	1598	1600	1603	rVB	14910	12433	1.18%	0.105%
28	11.989	1638	1641	1643	rBV	36551	31728	3.02%	0.269%
29	12.018	1643	1646	1650	rVB	47544	39962	3.80%	0.339%
30	12.065	1651	1654	1657	rVB	21345	19629	1.87%	0.166%
31	12.107	1657	1661	1663	rBV2	49358	61669	5.87%	0.523%
32	12.283	1688	1691	1695	rBV	30044	28645	2.73%	0.243%
33	12.324	1695	1698	1701	rVB2	21697	23366	2.22%	0.198%
34	12.542	1731	1735	1738	rBV2	43799	45364	4.32%	0.384%

LSC Area Percent Report

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Data File : BF107219.D
Acq On : 7 Jul 2018 20:51
Operator : JU/SJ
Sample : J3880-15
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-18

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	12.636	1747	1751	1759	rBV3	25936	41187	3.92%	0.349%
36	12.707	1759	1763	1767	rBV	420482	388407	36.97%	3.292%
37	12.771	1771	1774	1777	rVV3	14962	13918	1.32%	0.118%
38	12.918	1796	1799	1800	rBV	92731	77770	7.40%	0.659%
39	12.942	1800	1803	1808	rVV	396277	352269	33.53%	2.986%
40	12.989	1808	1811	1814	rVB	27197	29376	2.80%	0.249%
41	13.071	1821	1825	1828	rBV	1185835	1050635	100.00%	8.904%
42	13.101	1828	1830	1835	rVB	16771	18617	1.77%	0.158%
43	13.154	1835	1839	1845	rBV3	31181	61660	5.87%	0.523%
44	13.265	1851	1858	1861	rBV3	73176	119324	11.36%	1.011%
45	13.336	1867	1870	1872	rVB	33580	31487	3.00%	0.267%
46	13.371	1872	1876	1879	rBV2	38066	57382	5.46%	0.486%
47	13.465	1890	1892	1895	rBV	29750	33132	3.15%	0.281%
48	13.501	1895	1898	1900	rVV2	27426	30813	2.93%	0.261%
49	13.612	1915	1917	1920	rBV	37239	40406	3.85%	0.342%
50	13.783	1944	1946	1949	rVB	34465	23309	2.22%	0.198%
51	13.889	1962	1964	1967	rBV	26841	21916	2.09%	0.186%
52	13.918	1967	1969	1971	rBV	29801	24642	2.35%	0.209%
53	13.948	1971	1974	1979	rBV3	128395	158920	15.13%	1.347%
54	14.083	1995	1997	2000	rBV	41307	31931	3.04%	0.271%
55	14.142	2003	2007	2010	rVV2	398633	526305	50.09%	4.461%
56	14.171	2010	2012	2016	rVB	163679	136307	12.97%	1.155%
57	14.259	2024	2027	2031	rBV2	42842	50806	4.84%	0.431%
58	14.571	2077	2080	2082	rBV	56786	63591	6.05%	0.539%
59	15.230	2188	2192	2205	rVB2	151253	348467	33.17%	2.953%
60	15.548	2244	2246	2251	rVB	72039	79252	7.54%	0.672%
61	15.618	2255	2258	2265	rBV2	92247	166689	15.87%	1.413%
62	15.683	2266	2269	2273	rVV	164094	197756	18.82%	1.676%

Sum of corrected areas: 11799001

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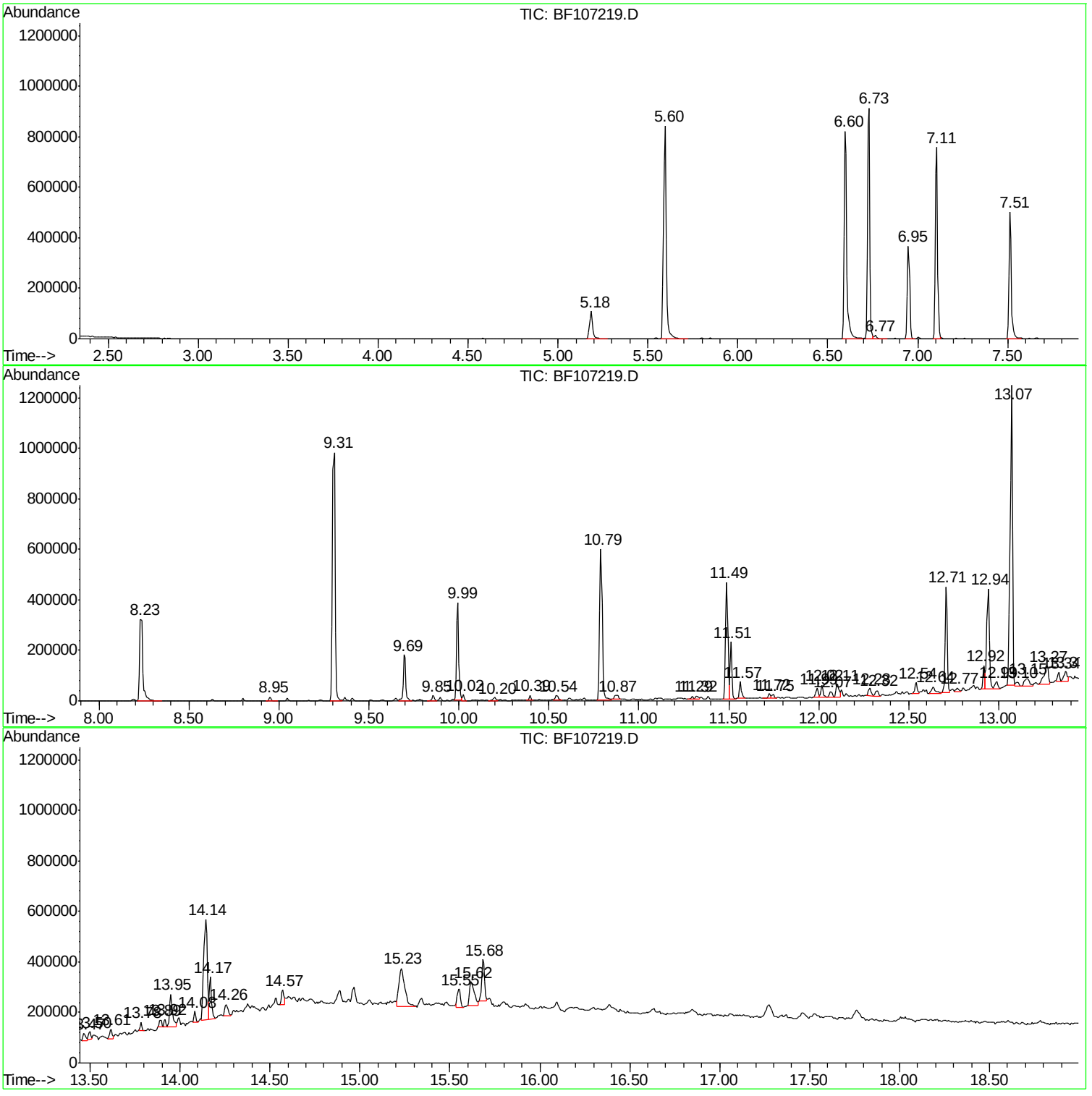
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-18

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



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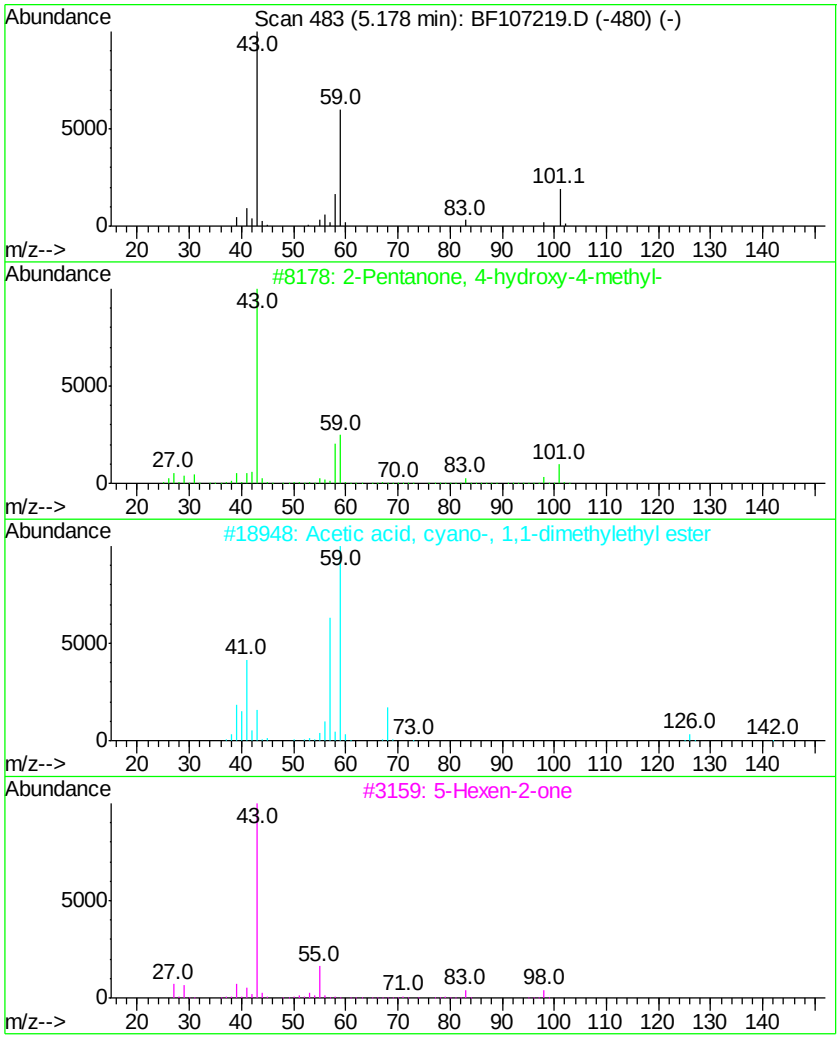
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

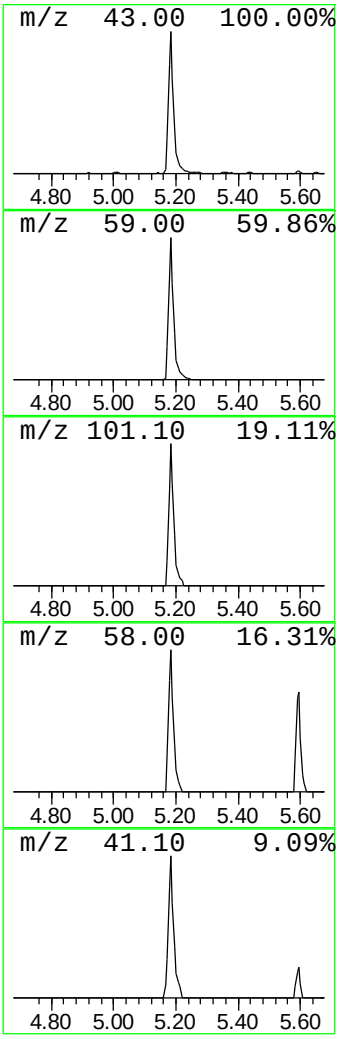
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.18	8.64 ng	128909	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	64
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Library Search Compound Report

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Acq On : 7 Jul 2018 20:51
Operator : JU/SJ
Sample : J3880-15
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-18

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

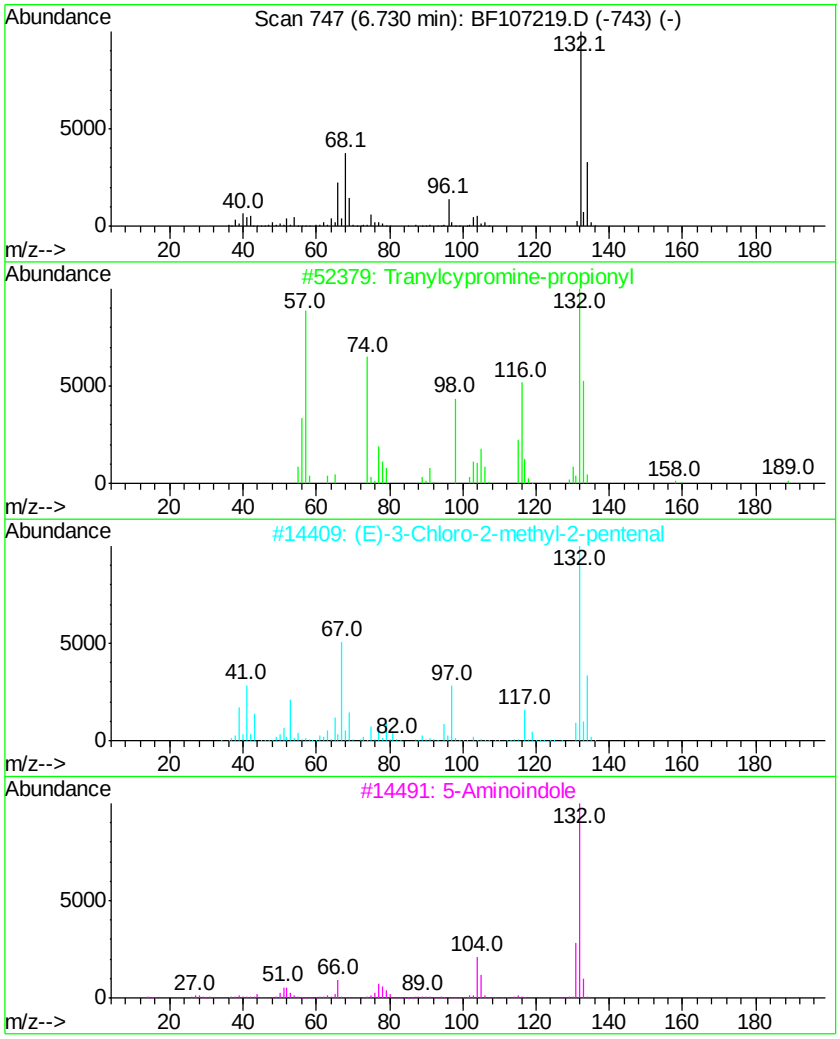
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

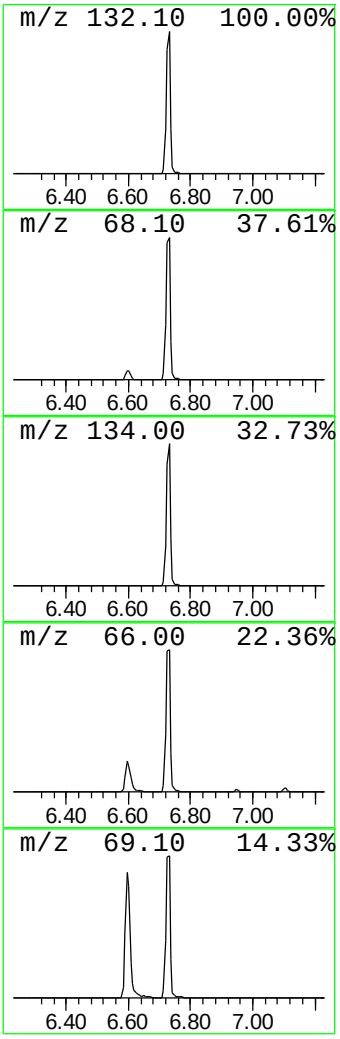
****

Peak Number 2 unknown6.73 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	57.53 ng	858137	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





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Operator : JU/SJ
Sample : J3880-15
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-18

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

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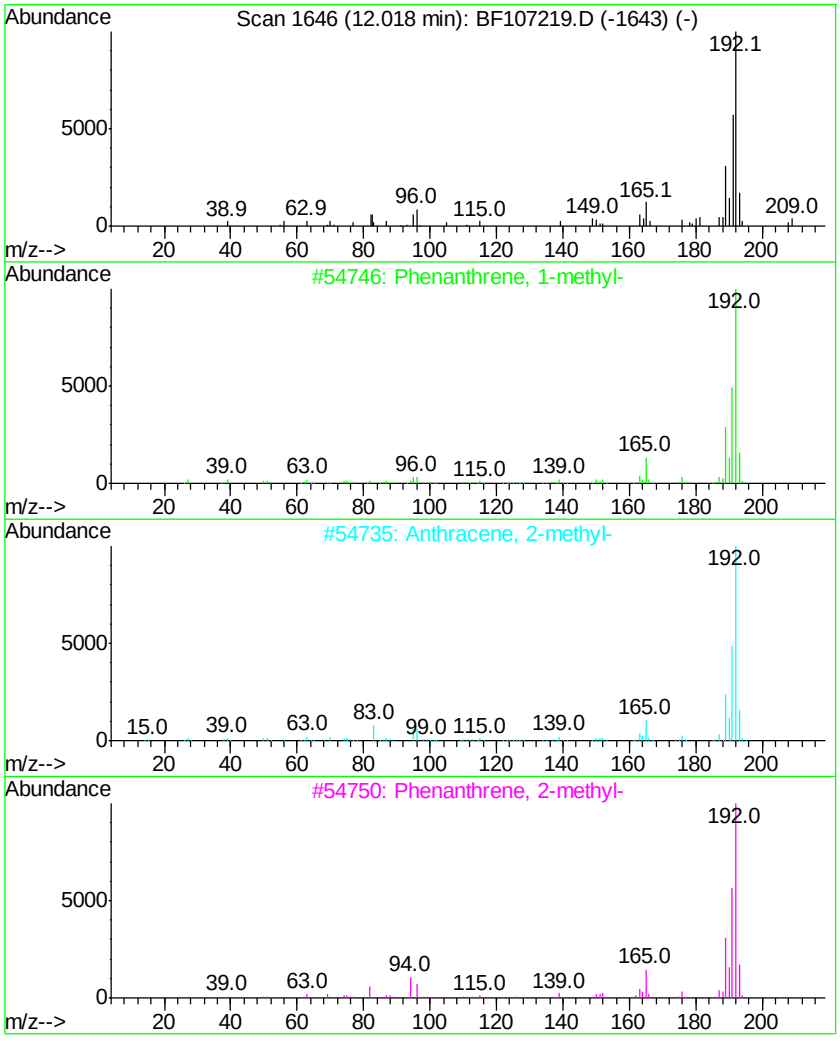
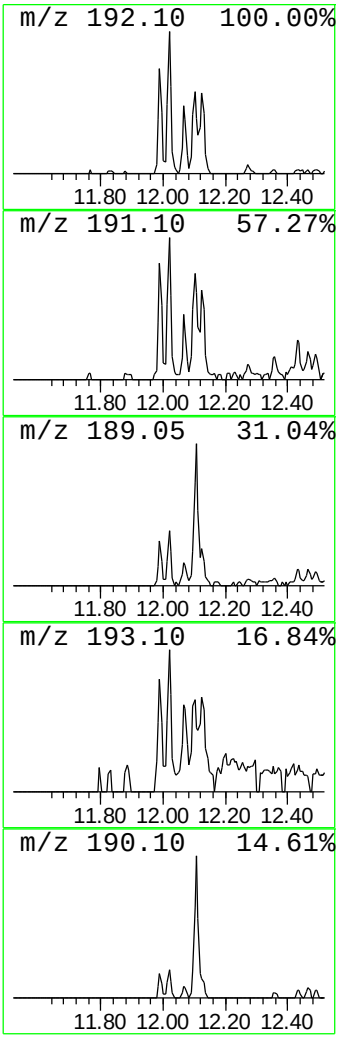
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	2.06 ng	39962	Phenanthrene-d10	11.49

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070718\
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Sample : J3880-15
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-18

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

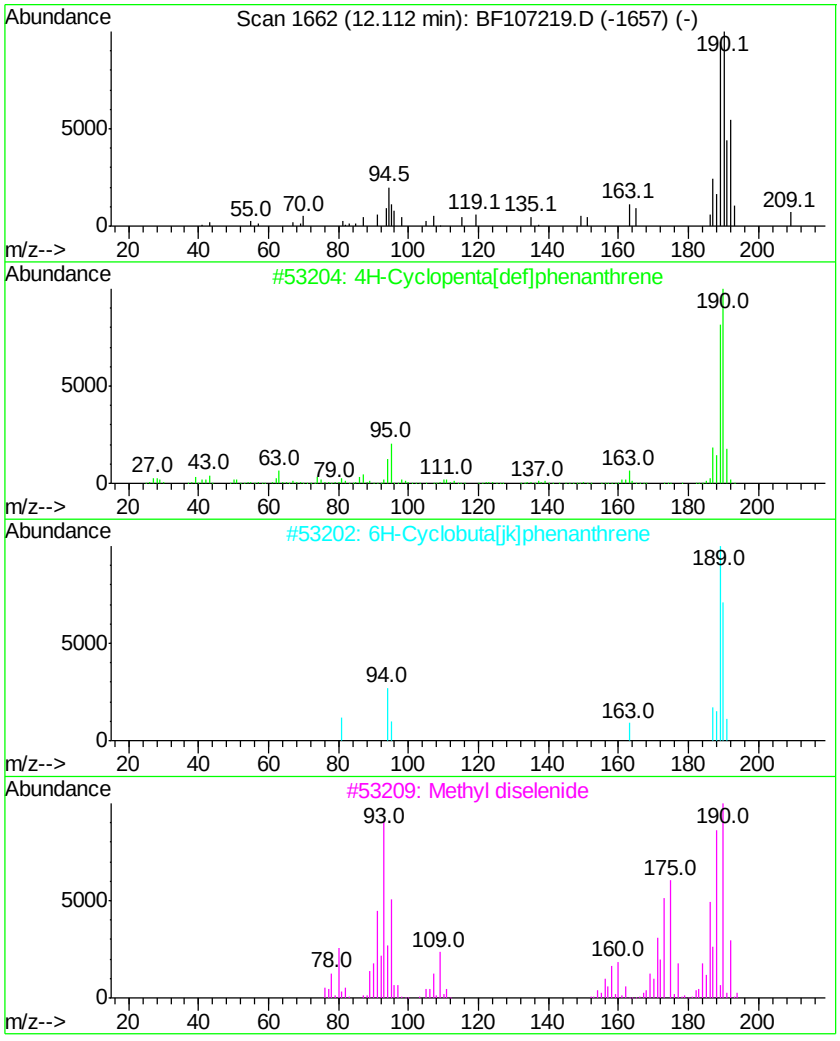
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

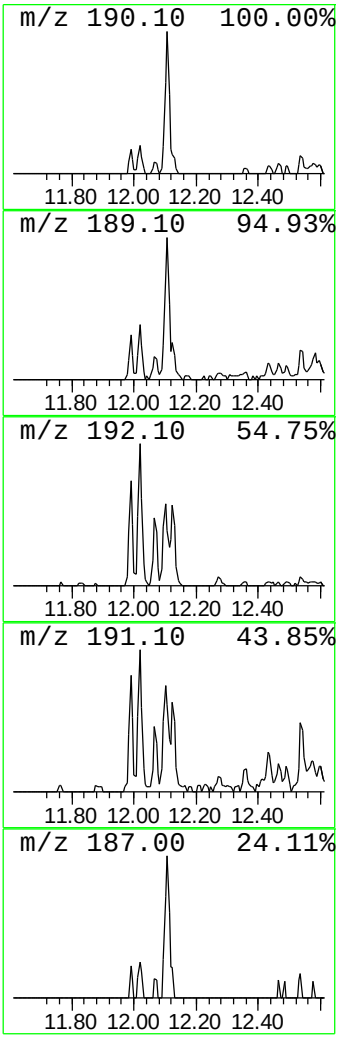
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	3.18 ng	61669	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	Methyl diselenide	190	C2H6Se2	007101-31-7	45
4	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	40
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30





Library Search Compound Report

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Operator : JU/SJ
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Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-18

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

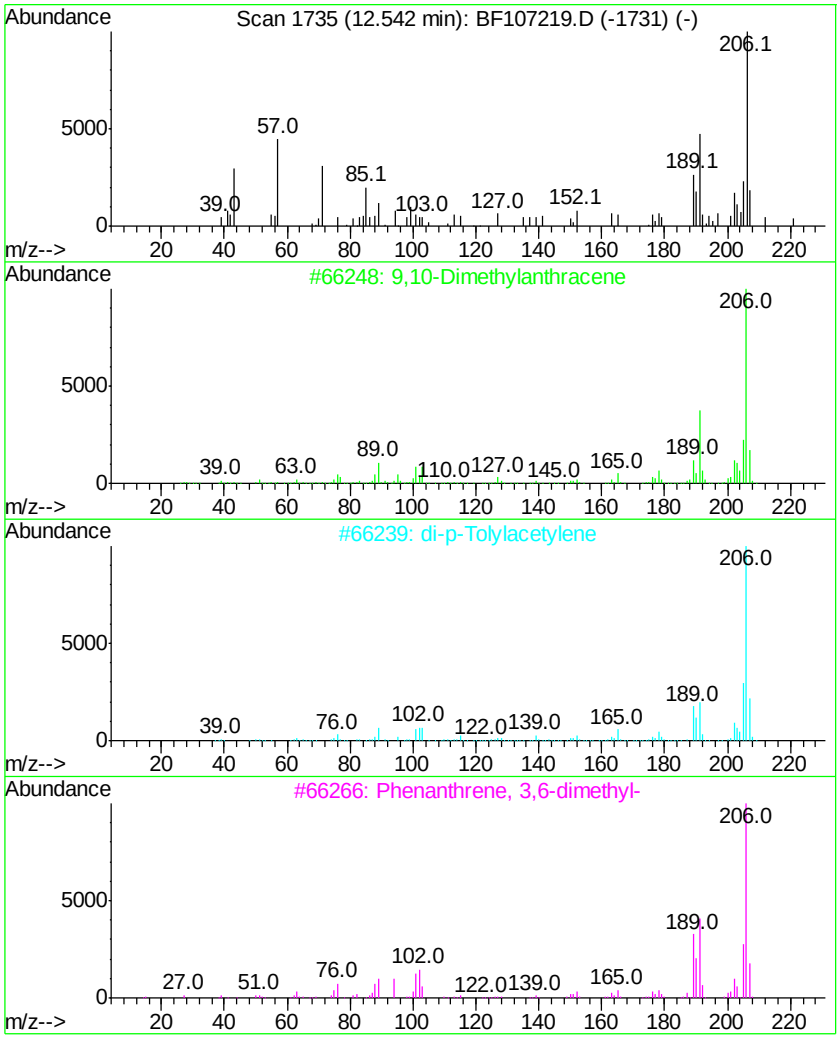
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

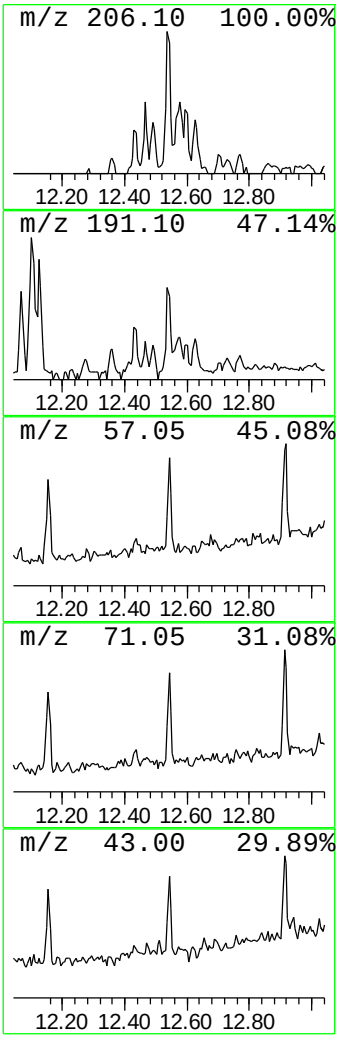
****

Peak Number 6 9,10-Dimethylanthracene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	2.34 ng	45364	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	86
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	74
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	64





Library Search Compound Report

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Sample : J3880-15
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-18

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

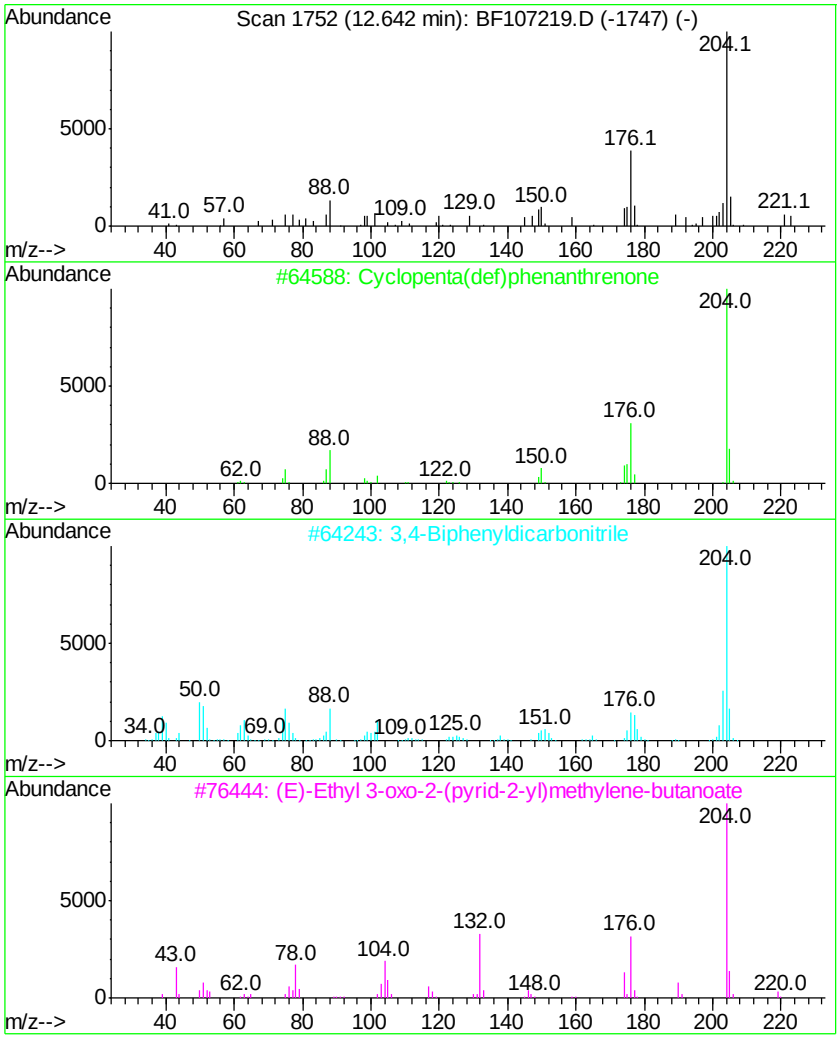
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

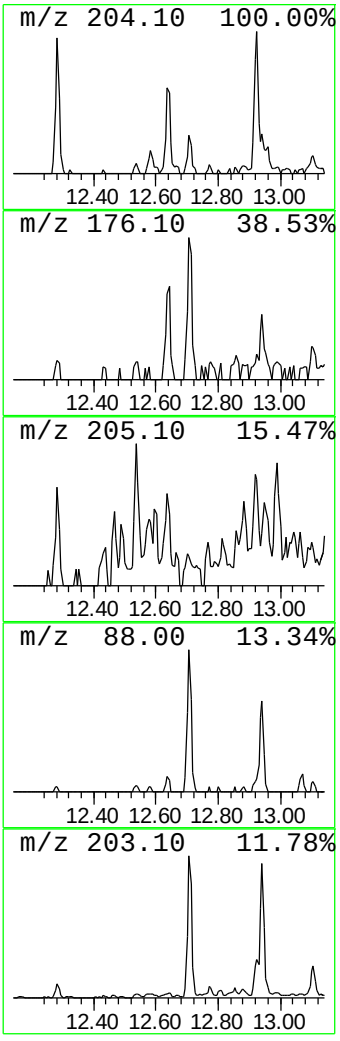
****

Peak Number 7 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	2.13 ng	41187	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	87
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	64
3	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	53
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	53
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070718\
Data File : BF107219.D
Acq On : 7 Jul 2018 20:51
Operator : JU/SJ
Sample : J3880-15
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-18

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

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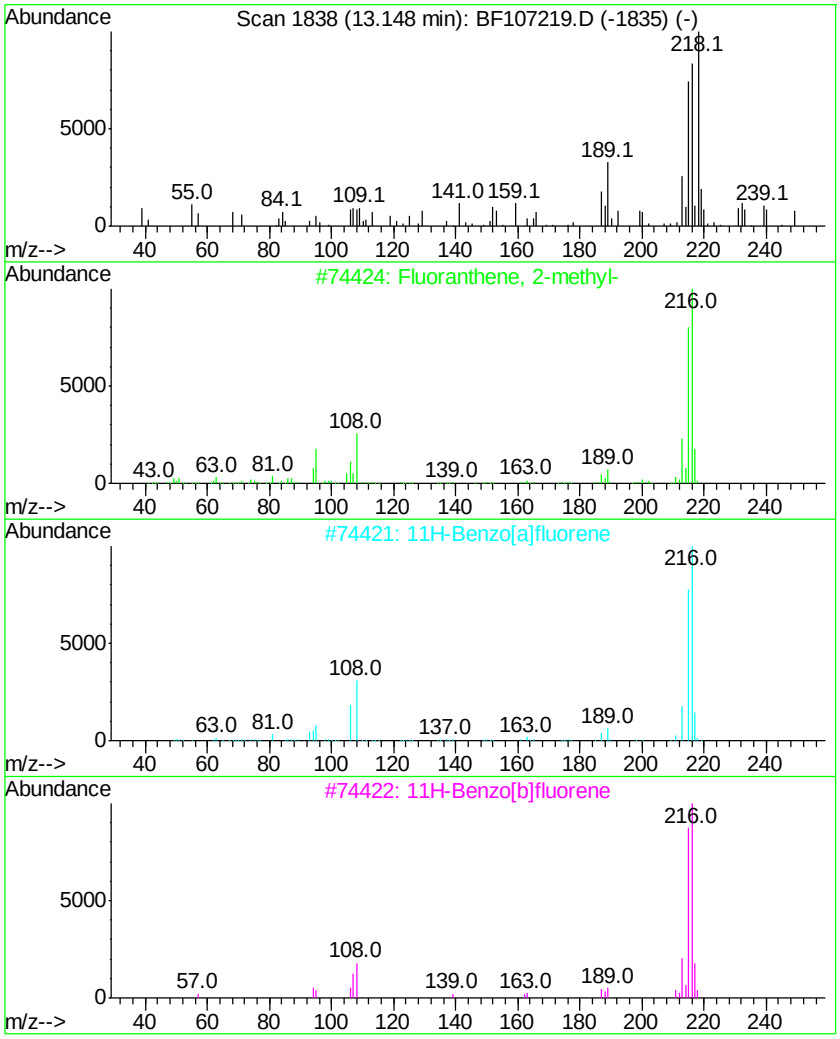
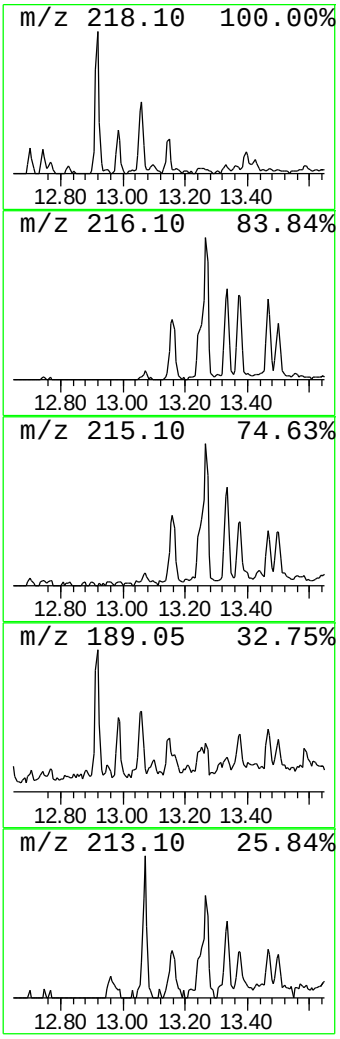
Peak Number 8 Fluoranthene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	2.34 ng	61660	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	68
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
5	Benzoic acid, 3-(3,5-dimethyl-1-...	216	C12H12N2O2	312531-88-7	58





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Acq On : 7 Jul 2018 20:51
Operator : JU/SJ
Sample : J3880-15
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-18

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

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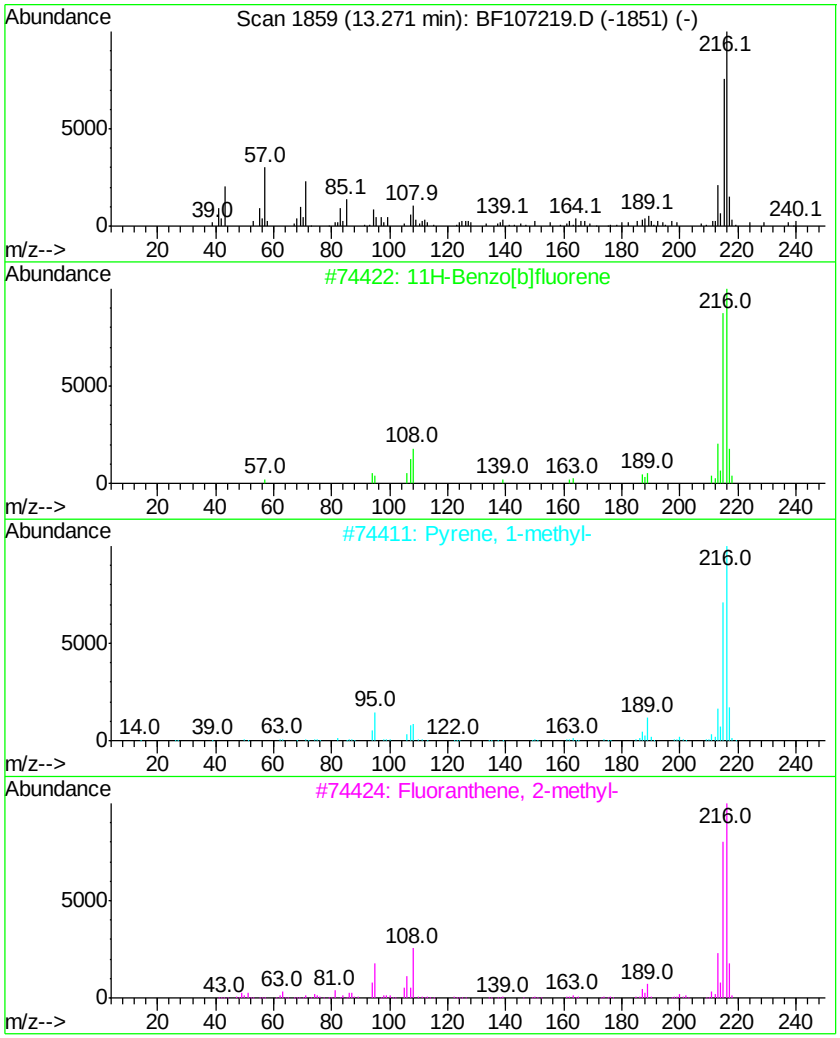
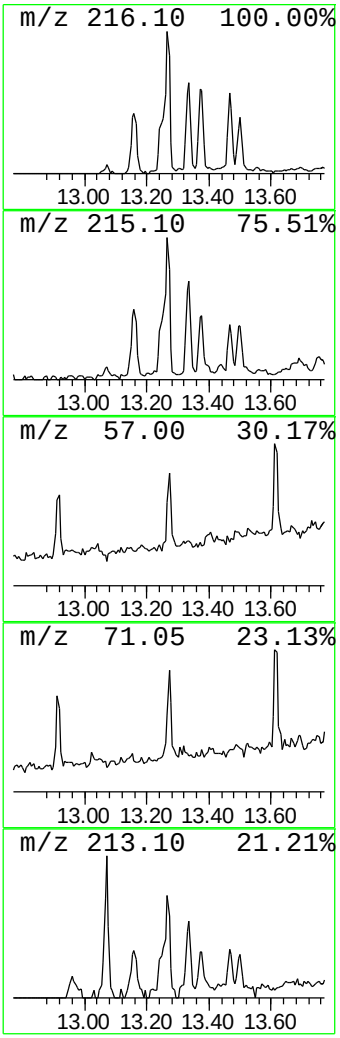
Peak Number 9 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	4.53 ng	119324	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





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Data File : BF107219.D
Acq On : 7 Jul 2018 20:51
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Sample : J3880-15
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-18

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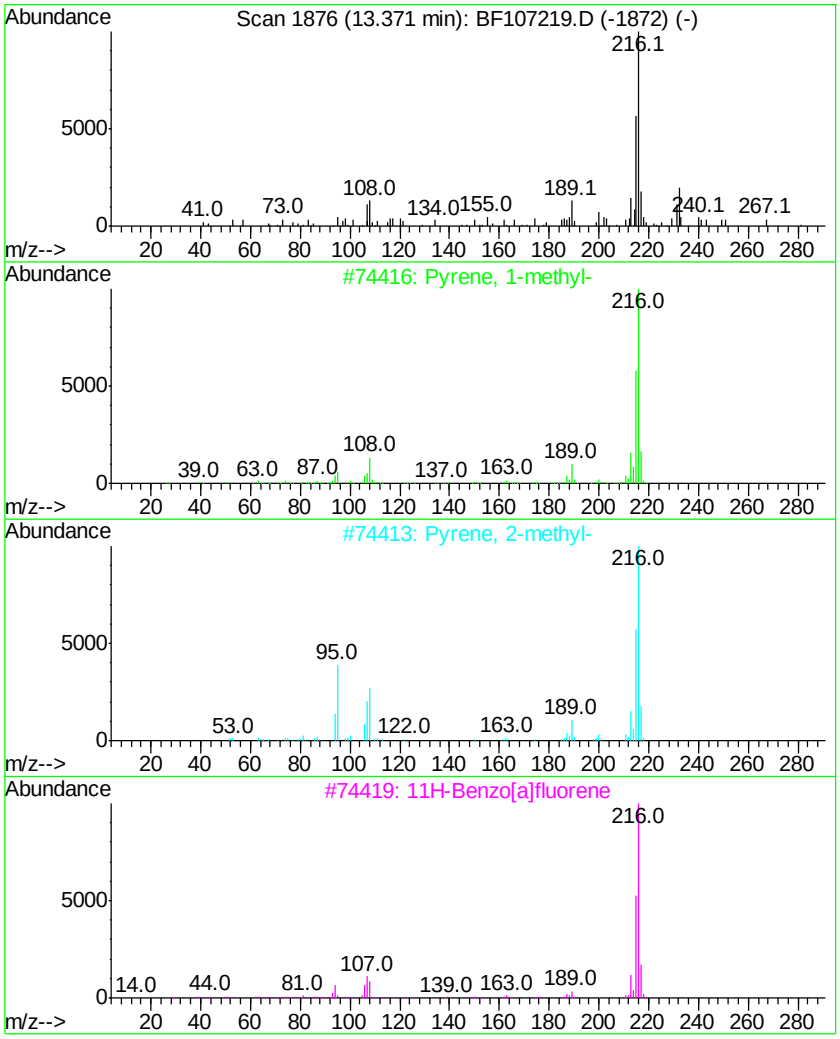
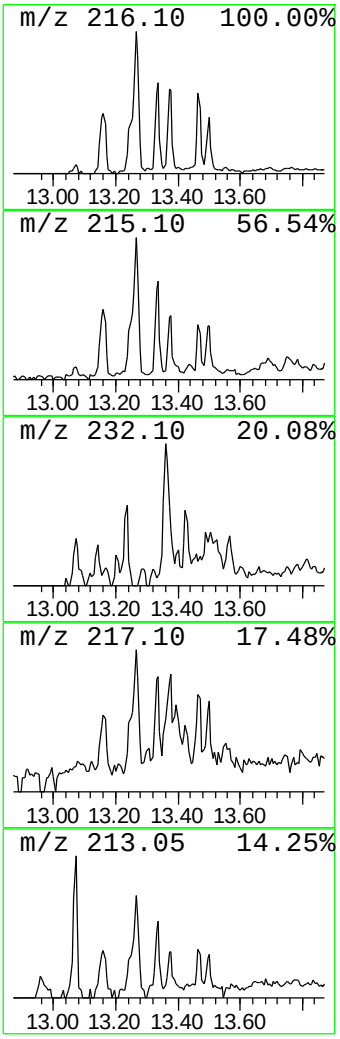
Peak Number 10 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	2.18 ng	57382	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	62
5	6H-Thiazolo[5,4-e]indole, 2,7,8-...	216	C12H12N2S	1000338-32-0	58





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Data File : BF107219.D
Acq On : 7 Jul 2018 20:51
Operator : JU/SJ
Sample : J3880-15
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-18

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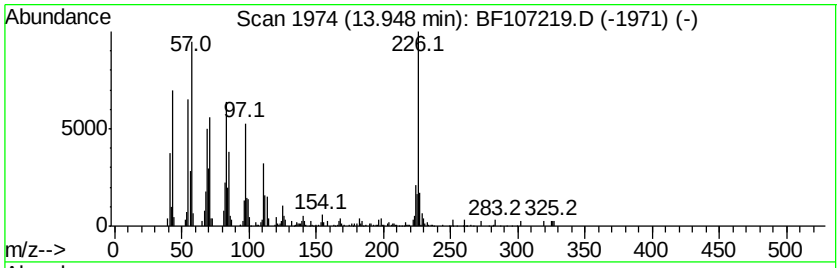
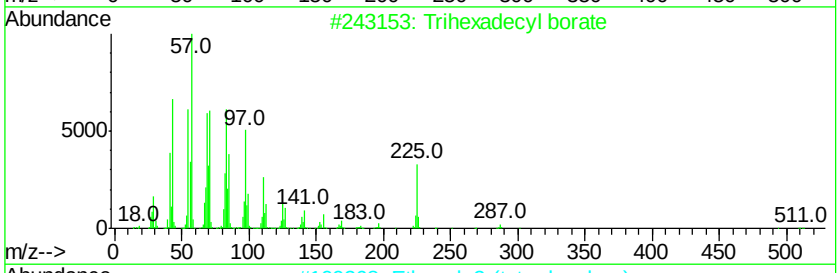
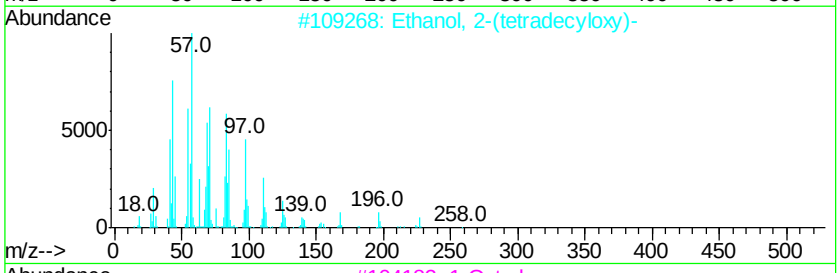
Peak Number 11 Trihexadecyl borate Concentration Rank 5

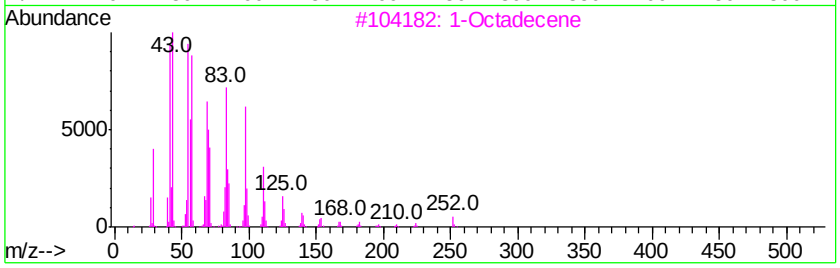
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	6.04 ng	158920	Chrysene-d12	14.14

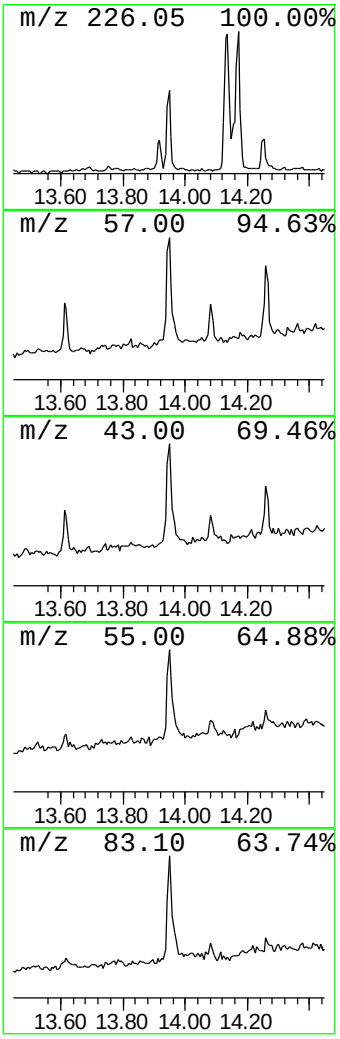
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trihexadecyl borate	735	C48H99BO3	002665-11-4	64
2	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	64
3	1-Octadecene	252	C18H36	000112-88-9	60
4	Tricosyl heptafluorobutyrate	536	C27H47F7O2	1000351-83-4	60
5	1-Dodecanol, 2-octyl-	298	C20H42O	005333-42-6	53











Library Search Compound Report

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Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SURCHARGE-SP-18

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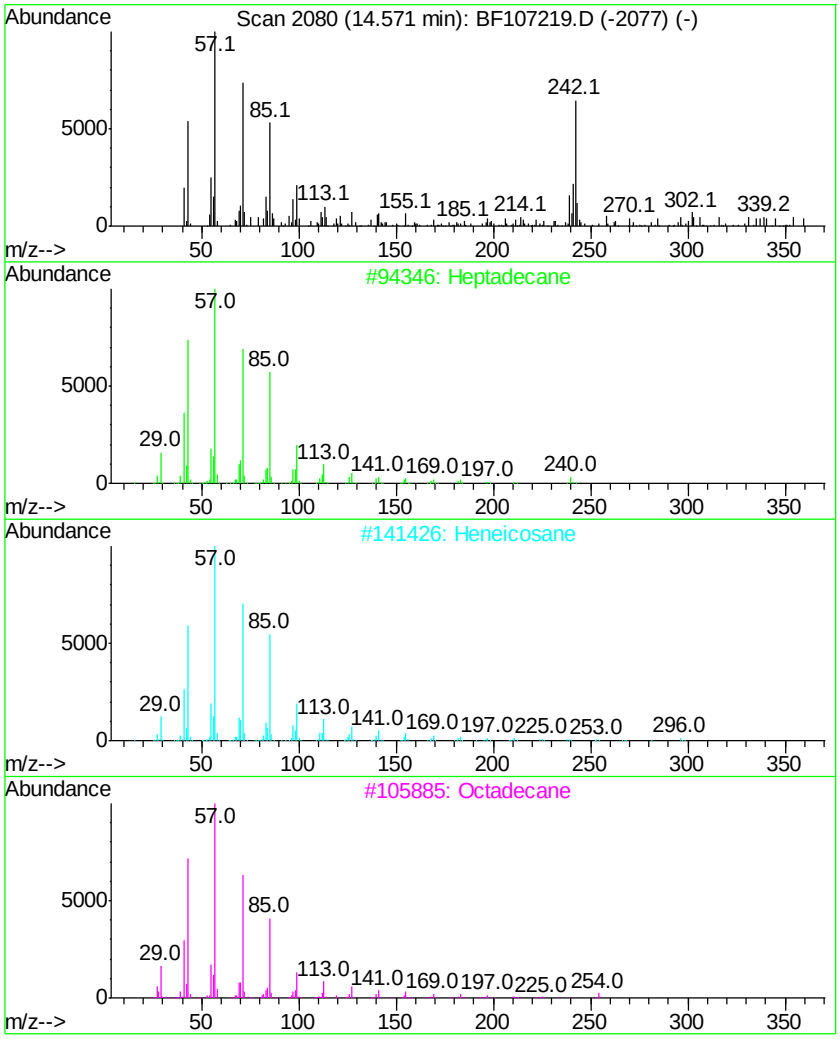
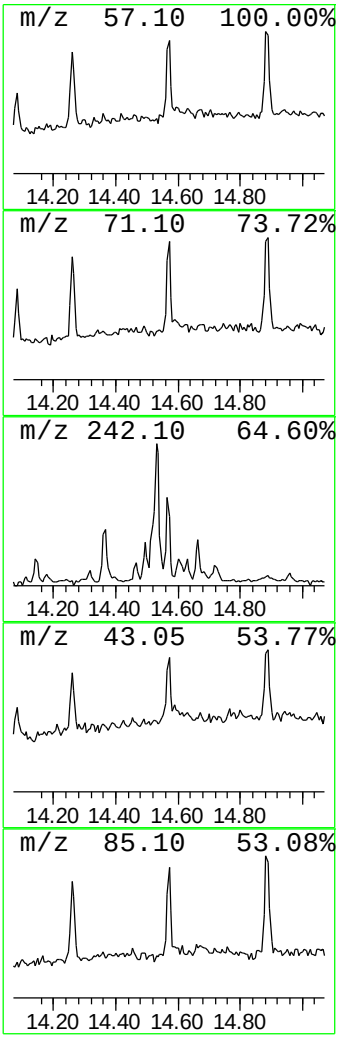
Peak Number 12 Heptadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.57	2.42 ng	63591	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	78
2	Heneicosane	296	C21H44	000629-94-7	60
3	Octadecane	254	C18H38	000593-45-3	60
4	Tetradecane	198	C14H30	000629-59-4	55
5	Heptacosane	380	C27H56	000593-49-7	55





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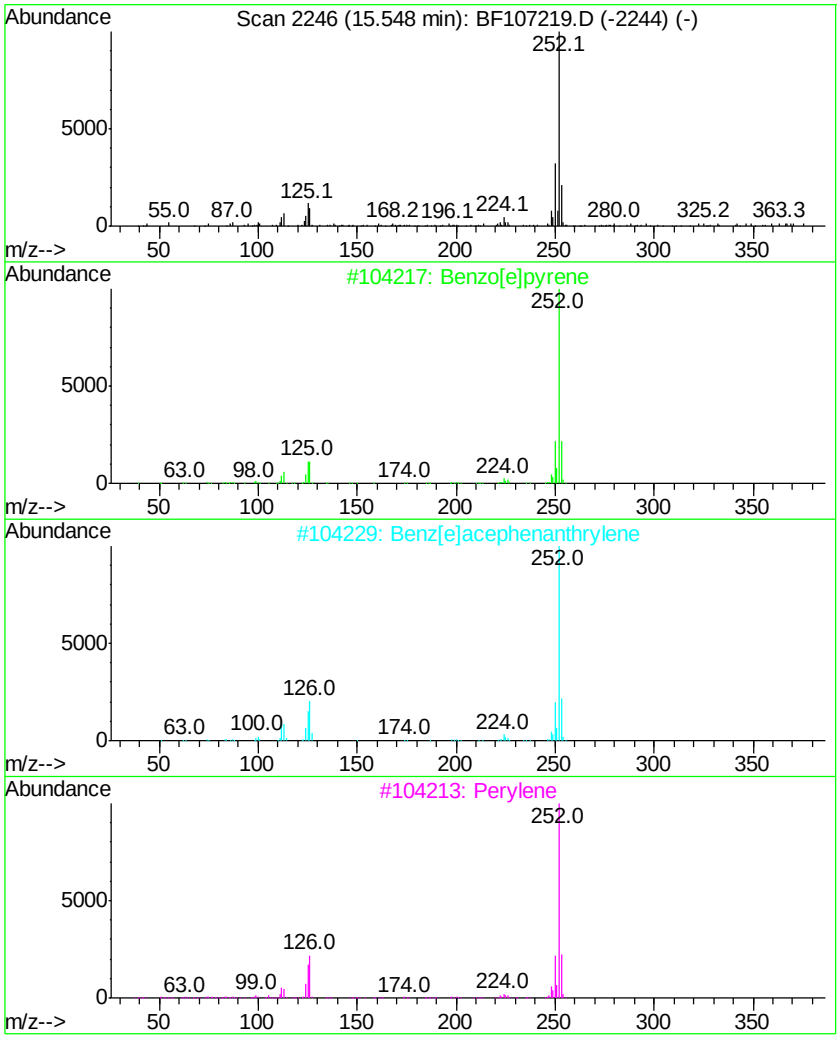
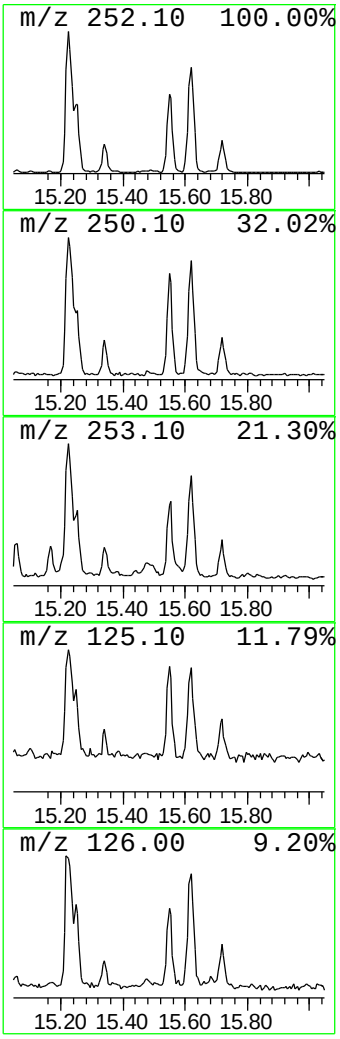
Peak Number 13 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	8.02 ng	79252	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
3	Perylene	252	C20H12	000198-55-0	89
4	Benzo[a]pyrene	252	C20H12	000050-32-8	89
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	64





Tentatively Identified Compound (LSC) summary

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TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.18	8.6	ng	128909	1	6.95	298339	20.0
unknown6.73	6.73	57.5	ng	858137	1	6.95	298339	20.0
Phenanthrene, 1-m...	12.02	2.1	ng	39962	4	11.49	387413	20.0
4H-Cyclopenta[def...	12.11	3.2	ng	61669	4	11.49	387413	20.0
9,10-Dimethylanth...	12.54	2.3	ng	45364	4	11.49	387413	20.0
Cyclopenta(def)ph...	12.64	2.1	ng	41187	4	11.49	387413	20.0
Fluoranthene, 2-m...	13.15	2.3	ng	61660	5	14.14	526305	20.0
11H-Benzo[b]fluorene	13.27	4.5	ng	119324	5	14.14	526305	20.0
Pyrene, 1-methyl-	13.37	2.2	ng	57382	5	14.14	526305	20.0
Trihexadecyl borate	13.95	6.0	ng	158920	5	14.14	526305	20.0
Heptadecane	14.57	2.4	ng	63591	5	14.14	526305	20.0
Benzo[e]pyrene	15.55	8.0	ng	79252	6	15.68	197756	20.0