LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091818\
Data File : BF109105.D
Acq On : 18 Sep 2018 19:35
Operator : JU/SJ
Sample : J4951-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RB48380RT

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-BF091418.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	4.901	434	436	444	rVB	31489	35561	1.67%	0.136%
2	5.325	504	508	512	rBV	933327	801843	37.75%	3.065%
3	6.348	679	682	693	rBV	860183	854708	40.24%	3.268%
4	6.490	702	706	709	rBV	991675	847677	39.91%	3.241%
5	6.719	742	745	749	rBV	845656	724686	34.12%	2.770%
6	6.878	768	772	775	rBV	907870	695634	32.75%	2.659%
7	7.278	836	840	843	rBV	599860	494910	23.30%	1.892%
8	8.001	959	963	969	rBV	1052133	843221	39.70%	3.224%
9	9.078	1142	1146	1149	rBV	1131747	870102	40.96%	3.326%
10	9.472	1210	1213	1216	rBV	131729	110812	5.22%	0.424%
11	9.519	1218	1221	1224	rVV3	32948	32136	1.51%	0.123%
12	9.613	1234	1237	1242	rBV	38792	43834	2.06%	0.168%
13	9.754	1256	1261	1264	rBV	872446	815037	38.37%	3.116%
14	9.784	1264	1266	1269	rVB	92851	66878	3.15%	0.256%
15	9.954	1292	1295	1299	rBV	42689	38912	1.83%	0.149%
16	10.166	1328	1331	1334	rBV2	39030	41637	1.96%	0.159%
17	10.295	1351	1353	1356	rBV	78655	62955	2.96%	0.241%
18	10.419	1372	1374	1377	rBV2	35496	37476	1.76%	0.143%
19	10.536	1390	1394	1398	rBV	500592	487238	22.94%	1.863%
20	10.683	1417	1419	1424	rVB	124808	109386	5.15%	0.418%
21	11.125	1492	1494	1496	rBV	100517	97940	4.61%	0.374%
22	11.148	1496	1498	1505	rVB	196609	212867	10.02%	0.814%
23	11.230	1509	1512	1514	rVV	798783	732732	34.49%	2.801%
24	11.254	1514	1516	1519	rVV	1188472	942181	44.35%	3.602%
25	11.307	1522	1525	1528	rVV	273857	243768	11.48%	0.932%
26	11.760	1600	1602	1605	rBV2	215379	200251	9.43%	0.766%
27	11.842	1613	1616	1619	rBV	338783	361917	17.04%	1.384%
28	12.442	1714	1718	1721	rBV	2122395	1892121	89.07%	7.233%
29	12.672	1751	1757	1760	rBV	1708447	1956461	92.10%	7.479%
30	12.813	1778	1781	1787	rVB	999588	892200	42.00%	3.411%
31	12.995	1810	1812	1816	rVB	244899	214779	10.11%	0.821%
32	13.060	1821	1823	1826	rVB	159579	123456	5.81%	0.472%
33	13.095	1827	1829	1832	rBV	145537	131485	6.19%	0.503%
34	13.495	1895	1897	1905	rVB	217286	213995	10.07%	0.818%

LSC Area Percent Report

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Data File : BF109105.D
Acq On : 18 Sep 2018 19:35
Operator : JU/SJ
Sample : J4951-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RB48380RT

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-BF091418.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.607	1913	1916	1919	rBV2	171878	189724	8.93%	0.725%
36	13.636	1919	1921	1923	rVB	173460	117554	5.53%	0.449%
37	13.660	1923	1925	1929	rVB2	141785	147924	6.96%	0.566%
38	13.701	1930	1932	1934	rBV	185261	145629	6.86%	0.557%
39	13.854	1954	1958	1961	rBV2	1523660	2124220	100.00%	8.121%
40	13.883	1961	1963	1969	rVB	1080883	1089628	51.30%	4.166%
41	13.960	1974	1976	1981	rVB	159055	145964	6.87%	0.558%
42	14.042	1988	1990	1993	rVB	129267	98264	4.63%	0.376%
43	14.242	2022	2024	2027	rVB	172874	141231	6.65%	0.540%
44	14.871	2126	2131	2133	rBV	978364	1453981	68.45%	5.559%
45	14.966	2144	2147	2153	rVB2	286007	339042	15.96%	1.296%
46	15.148	2175	2178	2184	rVB	569852	721737	33.98%	2.759%
47	15.207	2184	2188	2194	rBV	813152	962040	45.29%	3.678%
48	15.265	2194	2198	2201	rVV	734115	886090	41.71%	3.387%
49	15.295	2201	2203	2210	rVB2	256599	389941	18.36%	1.491%
50	16.618	2423	2428	2435	rVB2	316297	576801	27.15%	2.205%
51	17.024	2492	2497	2504	rVB	223242	397226	18.70%	1.519%

Sum of corrected areas: 26157792

LSC Report - Integrated Chromatogram

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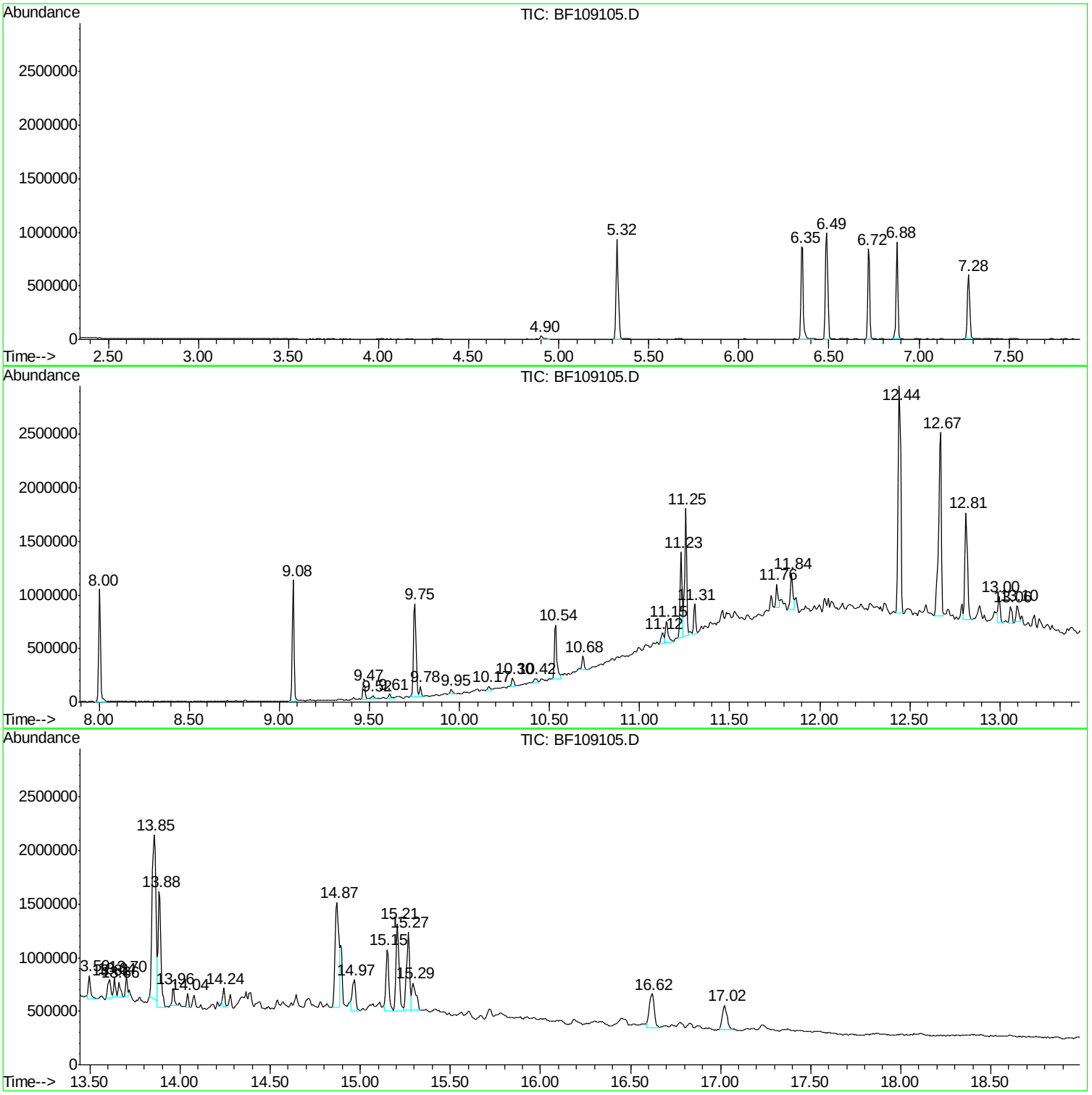
Operator : JU/SJ
Sample : J4951-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RB48380RT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091818\
Data File : BF109105.D
Acq On : 18 Sep 2018 19:35
Operator : JU/SJ
Sample : J4951-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RB48380RT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

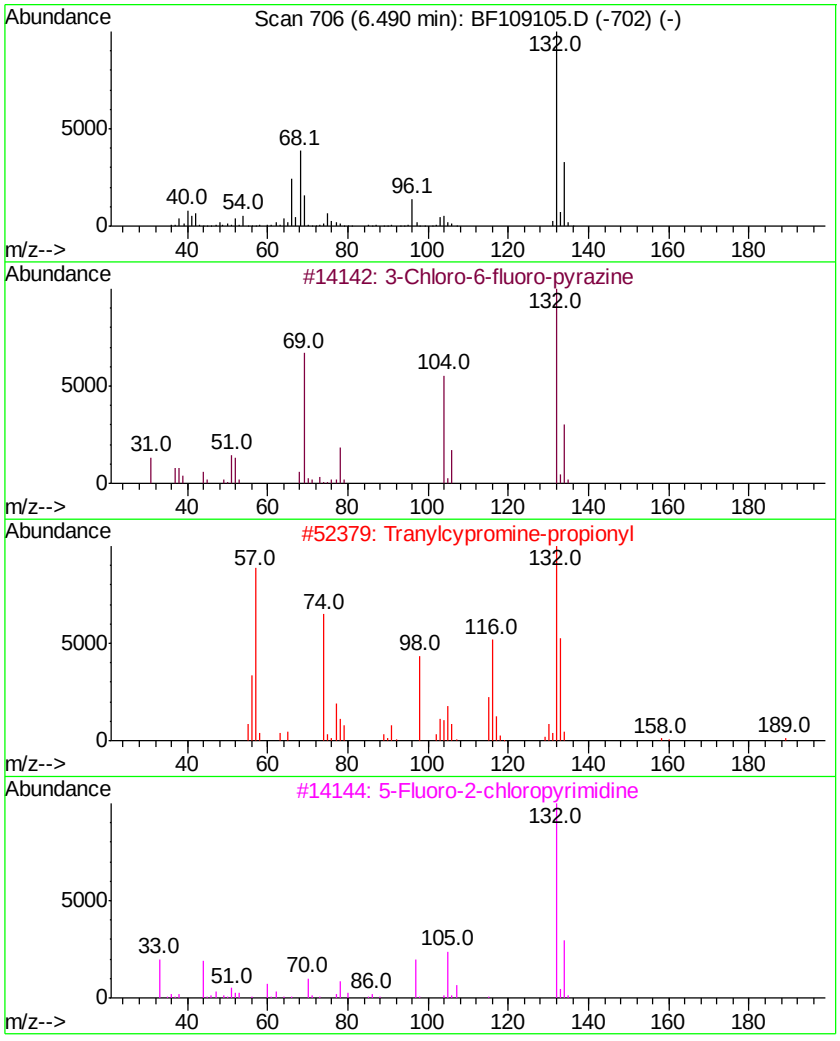
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

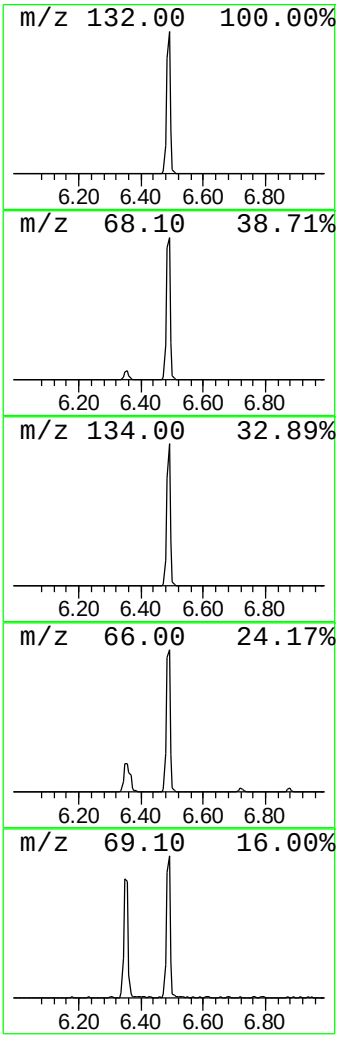
****

Peak Number 1 unknown6.49 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	23.39 ng	847677	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Library Search Compound Report

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Operator : JU/SJ
Sample : J4951-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RB48380RT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091418.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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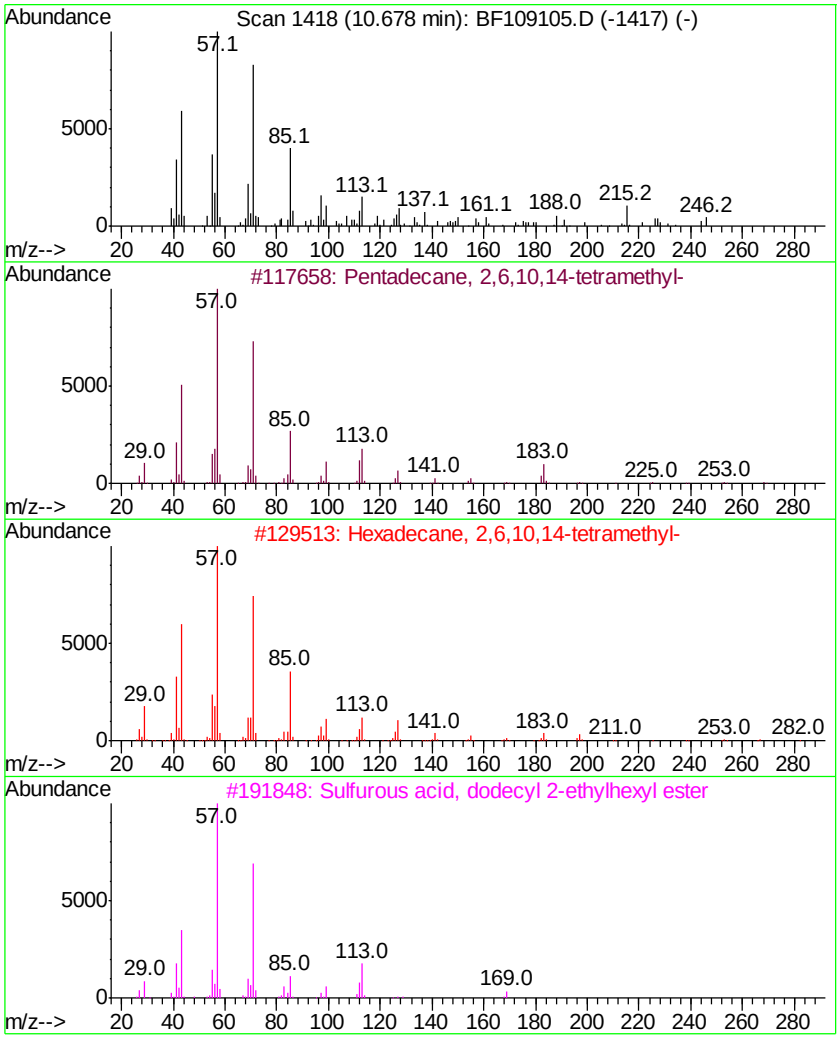
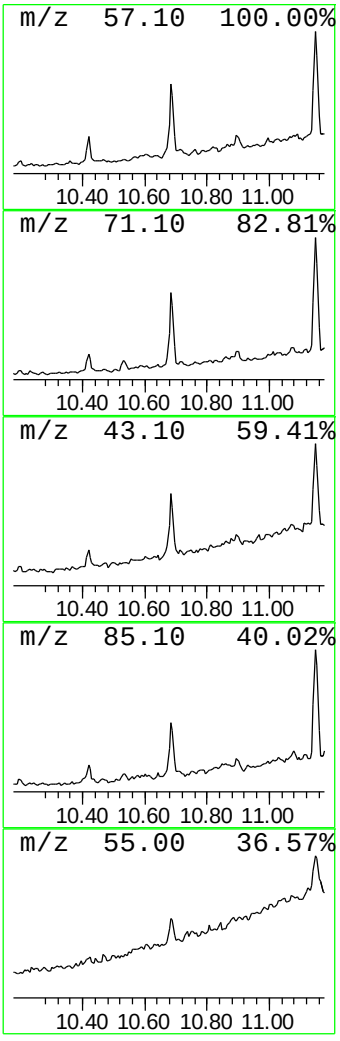
Peak Number 3 Pentadecane, 2,6,10,14-tetr... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	2.99 ng	109386	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	80
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	78
3	Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	72
4	Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	64
5	Sulfurous acid, 2-ethylhexyl pen...	404	C23H48O3S	1000309-19-8	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091818\
Data File : BF109105.D
Acq On : 18 Sep 2018 19:35
Operator : JU/SJ
Sample : J4951-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RB48380RT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

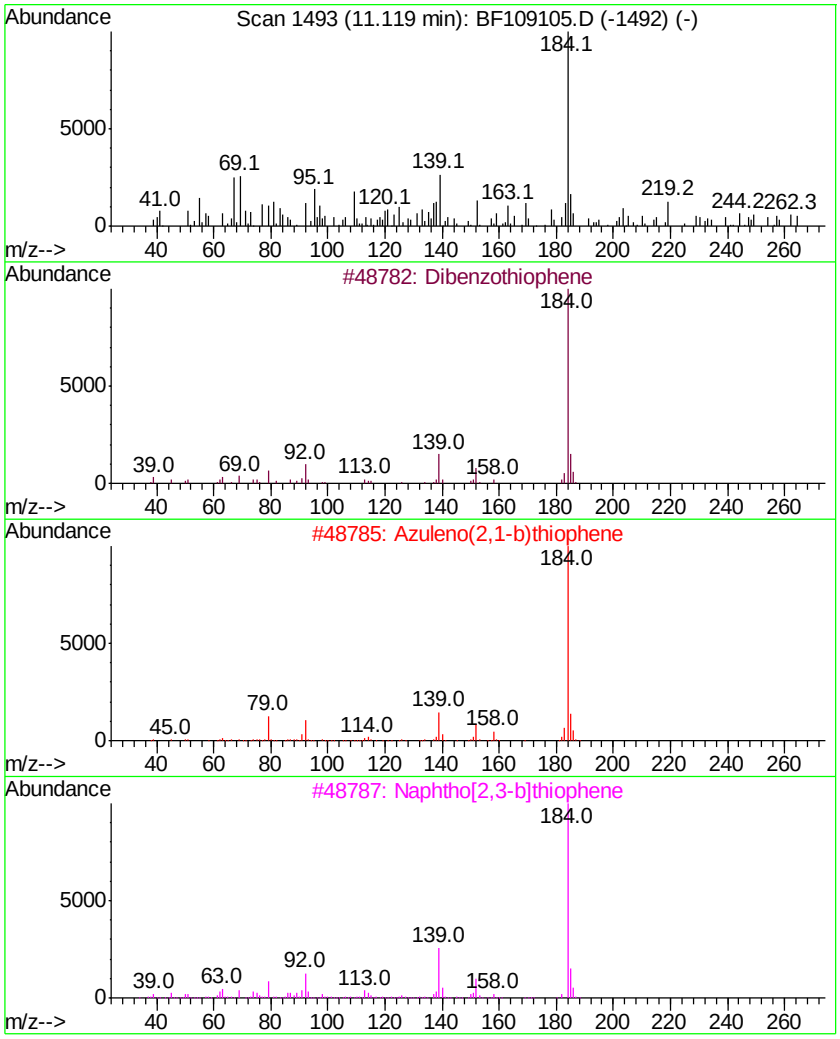
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

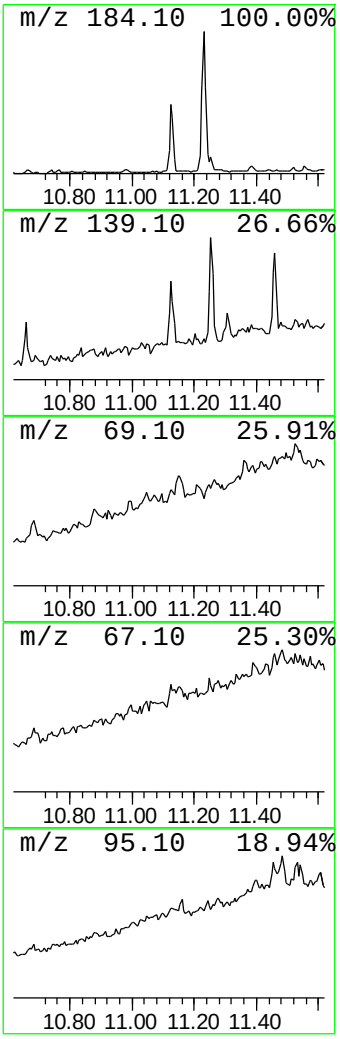
****

Peak Number 4 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	2.67 ng	97940	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	87
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	87
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	74





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091818\
Data File : BF109105.D
Acq On : 18 Sep 2018 19:35
Operator : JU/SJ
Sample : J4951-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RB48380RT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

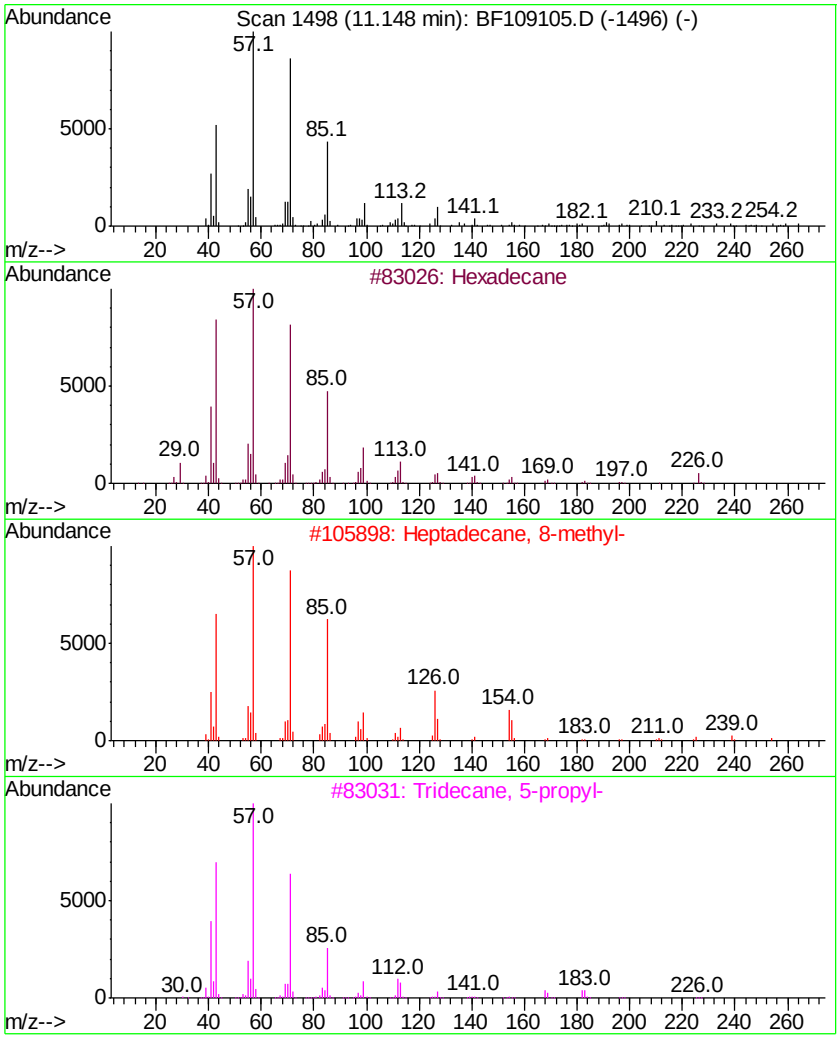
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

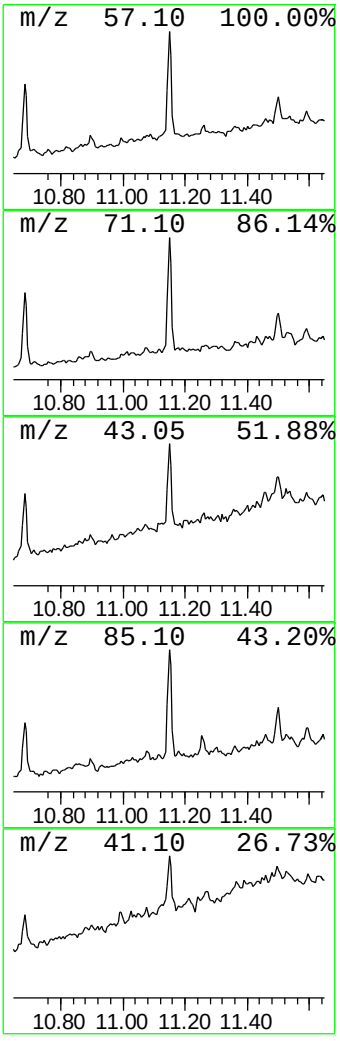
****

Peak Number 5 Hexadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	5.81 ng	212867	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	93
2	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	93
3	Tridecane, 5-propyl-	226	C16H34	055045-11-9	90
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	87
5	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	87





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Acq On : 18 Sep 2018 19:35
Operator : JU/SJ
Sample : J4951-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RB48380RT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

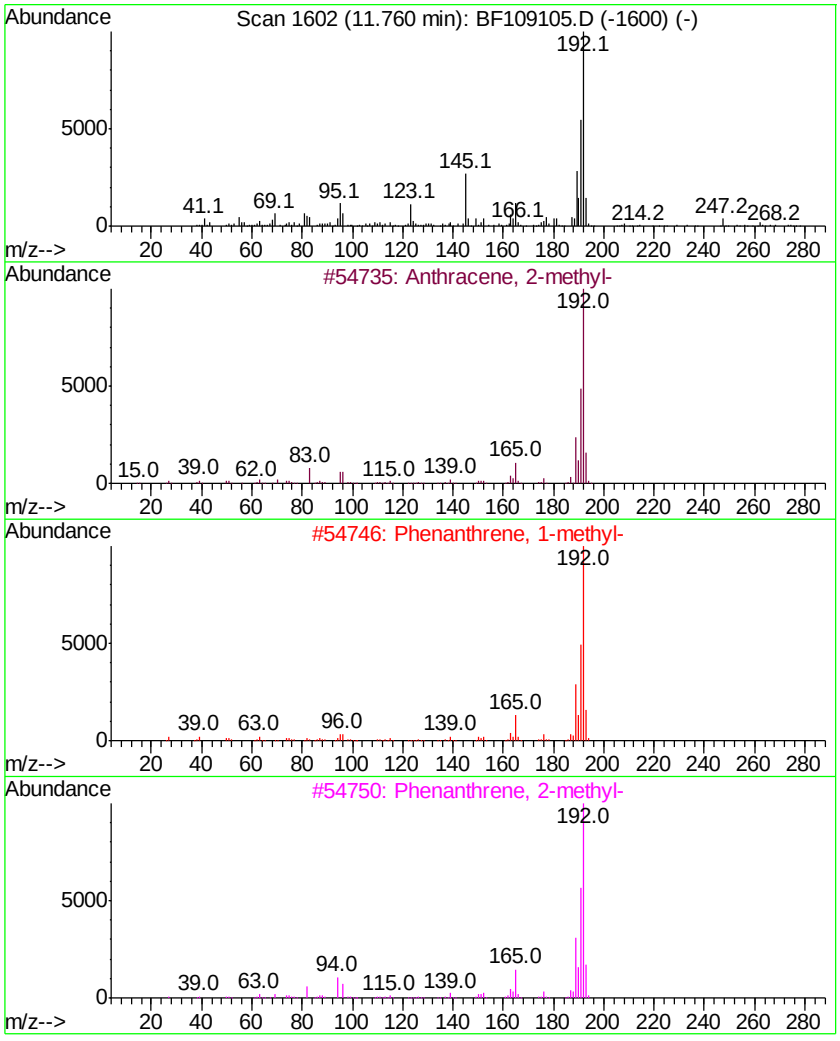
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

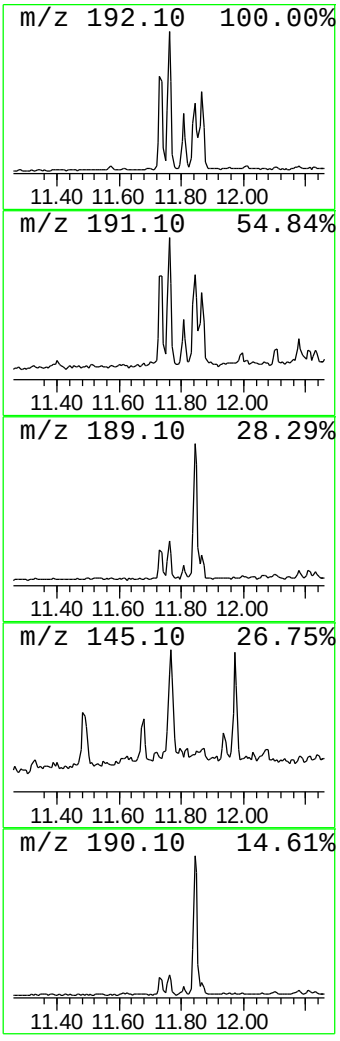
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	5.47 ng	200251	Phenanthrene-d10	11.23

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





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Sample : J4951-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RB48380RT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

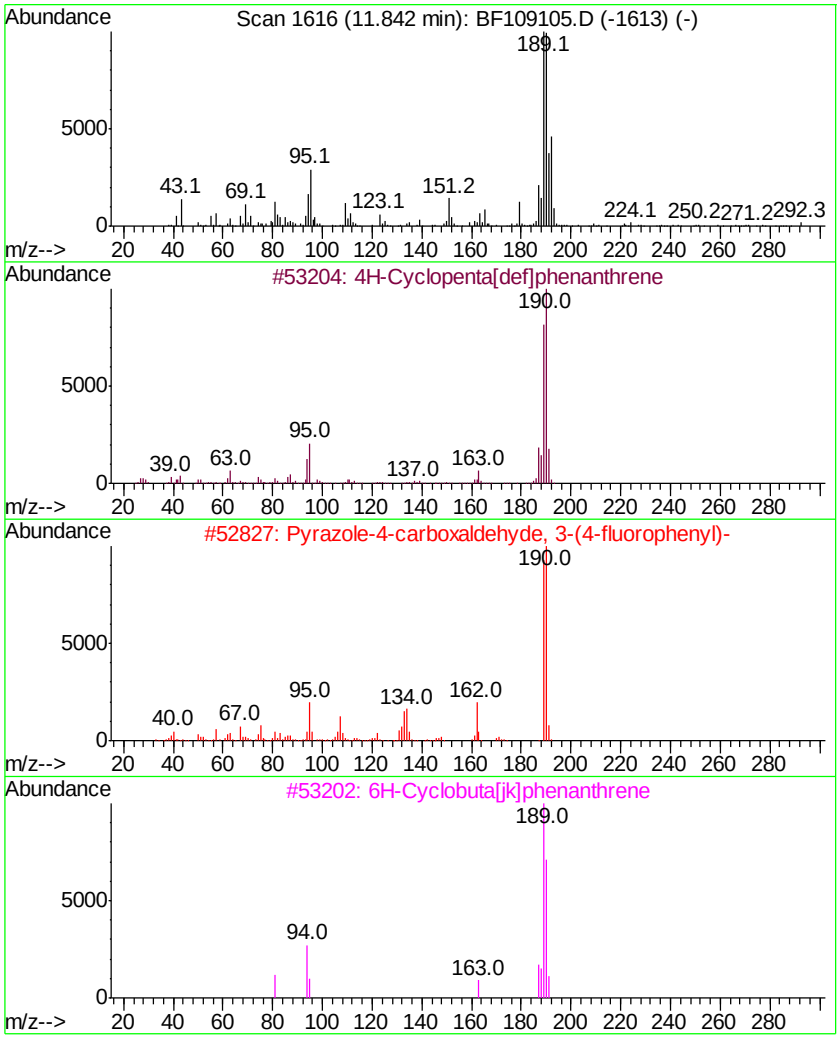
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

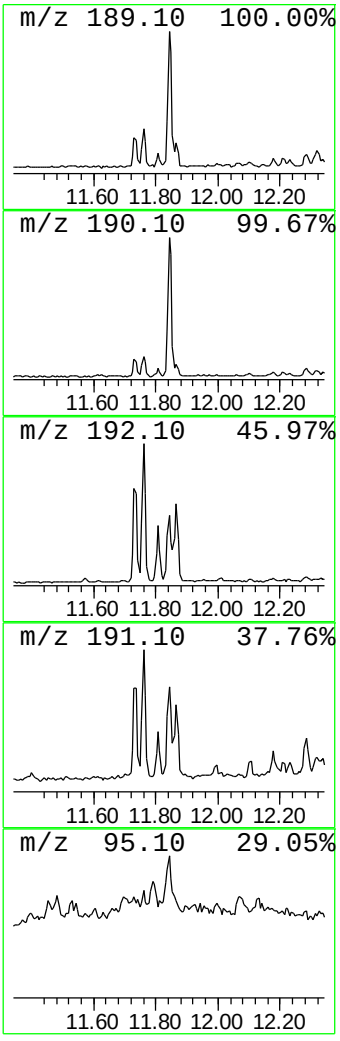
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	9.88 ng	361917	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	49
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
5	1-Aminocyclopentanecarboxylic ac...	333	C16H28ClNO4	1000329-16-8	35





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Data File : BF109105.D
Acq On : 18 Sep 2018 19:35
Operator : JU/SJ
Sample : J4951-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RB48380RT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

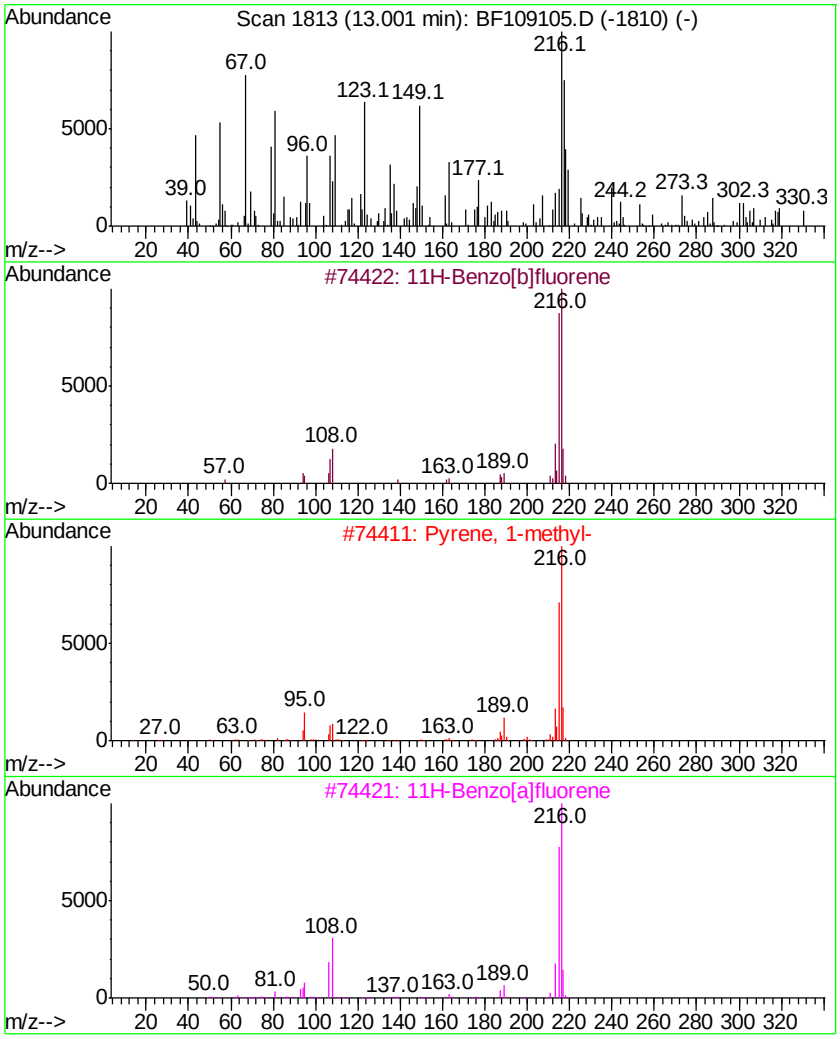
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

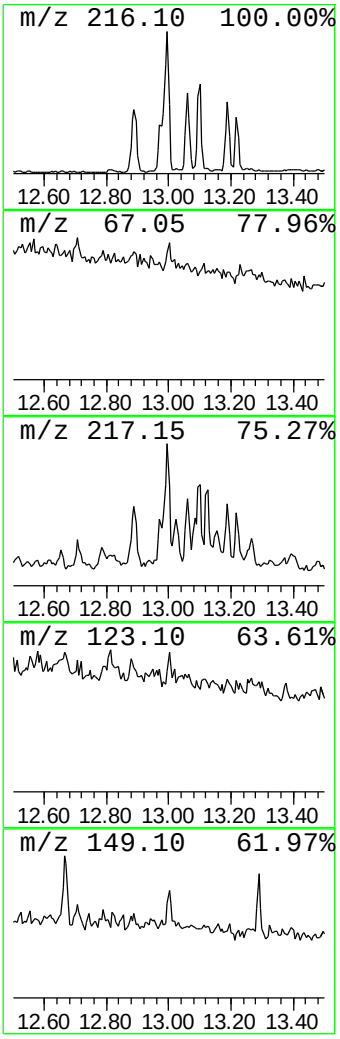
****

Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	2.02 ng	214779	Chrysene-d12	13.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	6H-Thiazolo[5,4-e]indole, 2,7,8-...	216	C12H12N2S	1000338-32-0	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091818\
Data File : BF109105.D
Acq On : 18 Sep 2018 19:35
Operator : JU/SJ
Sample : J4951-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RB48380RT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

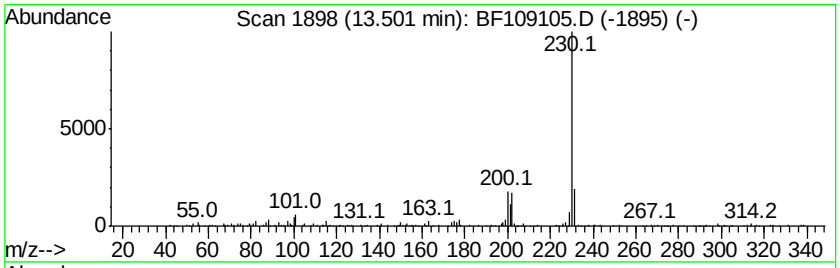
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

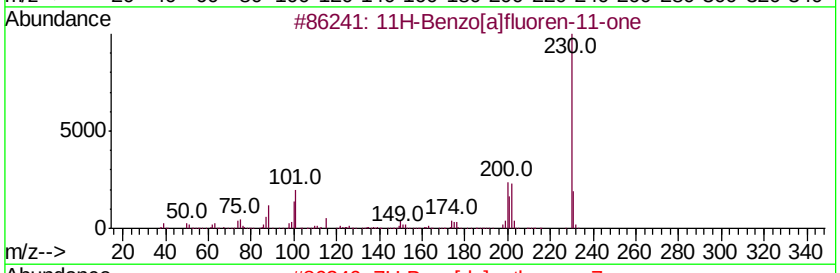
****

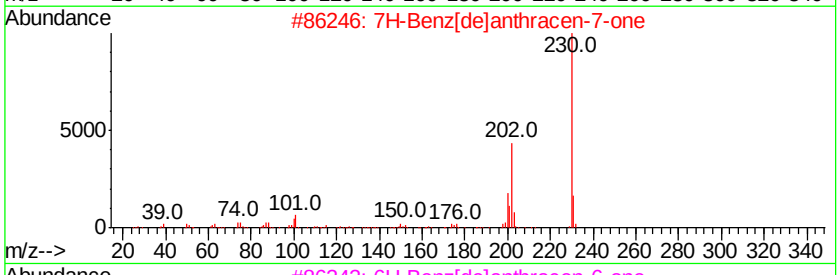
Peak Number 9 11H-Benzo[a]fluoren-11-one Concentration Rank 11

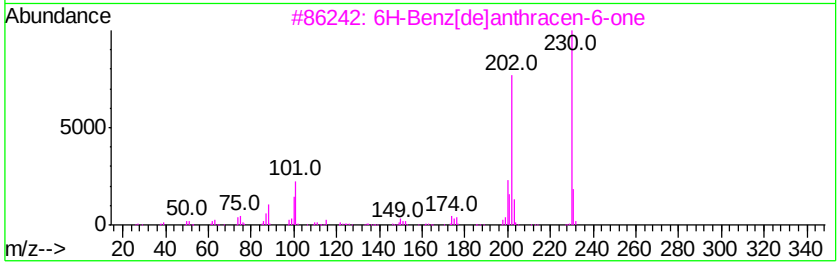
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	2.01 ng	213995	Chrysene-d12	13.86

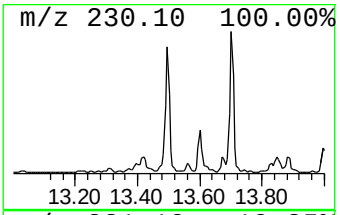
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	72
4	4-Isothiazolecarbonitrile, 3,5-b...	230	C8H10N2S3	024135-13-5	53
5	o-Terphenyl	230	C18H14	000084-15-1	52

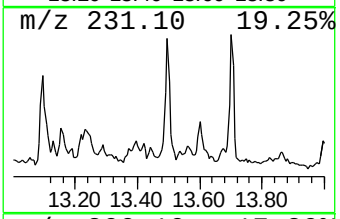


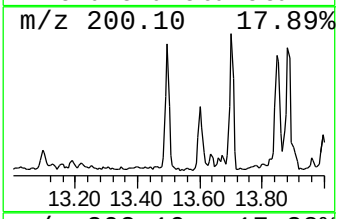


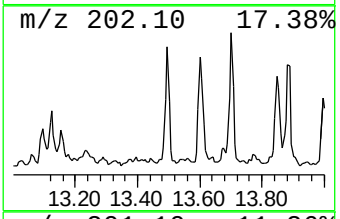


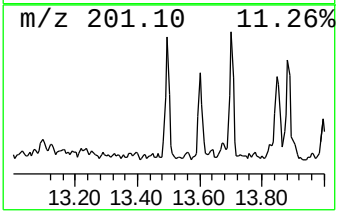












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091818\
Data File : BF109105.D
Acq On : 18 Sep 2018 19:35
Operator : JU/SJ
Sample : J4951-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RB48380RT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

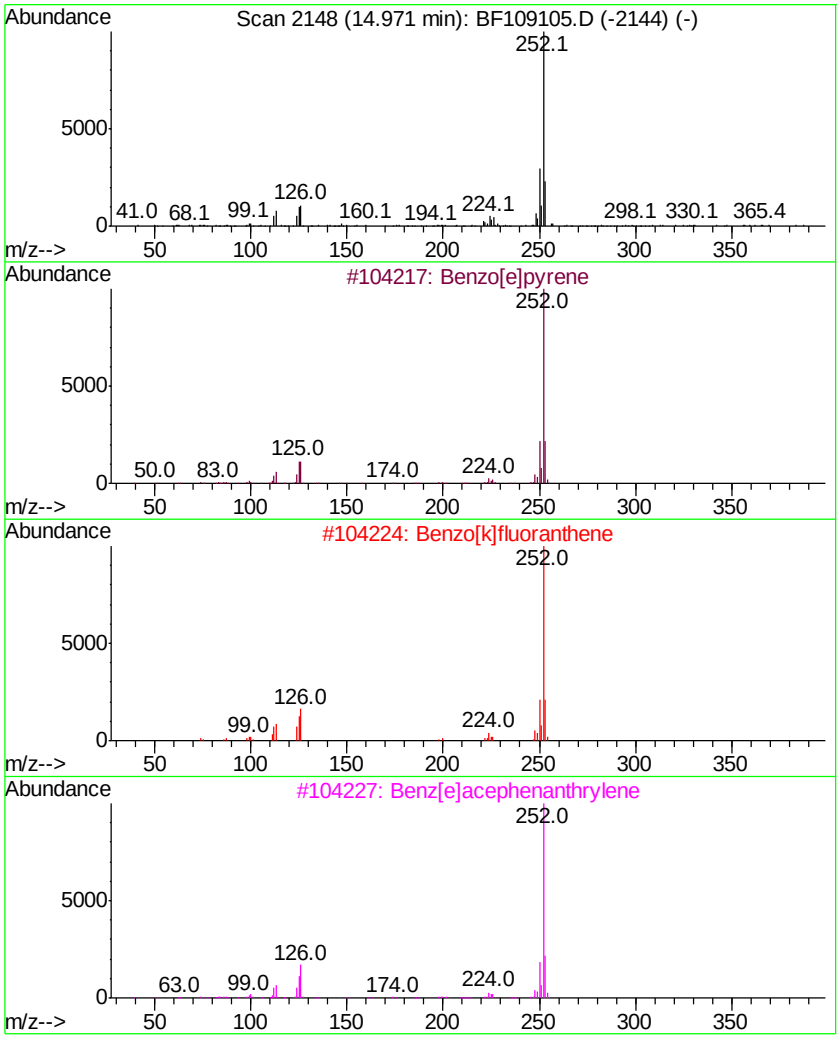
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

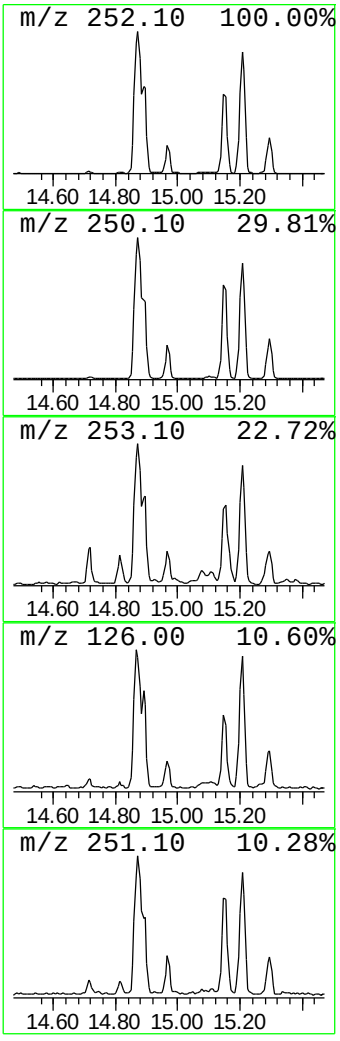
****

Peak Number 10 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.97	7.65 ng	339042	Perylene-d12	15.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Perylene	252	C20H12	000198-55-0	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF091818\
Data File : BF109105.D
Acq On : 18 Sep 2018 19:35
Operator : JU/SJ
Sample : J4951-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RB48380RT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091418.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
unknown6.49	6.49	23.4	ng	847677	1	6.72	724686	20.0
Pentadecane, 2,6,...	10.68	3.0	ng	109386	4	11.23	732732	20.0
Dibenzothiophene	11.12	2.7	ng	97940	4	11.23	732732	20.0
Hexadecane	11.15	5.8	ng	212867	4	11.23	732732	20.0
Anthracene, 2-met...	11.76	5.5	ng	200251	4	11.23	732732	20.0
4H-Cyclopenta[def...	11.84	9.9	ng	361917	4	11.23	732732	20.0
11H-Benzo[b]fluorene	13.00	2.0	ng	214779	5	13.86	2124220	20.0
11H-Benzo[a]fluor...	13.50	2.0	ng	213995	5	13.86	2124220	20.0
Benzo[e]pyrene	14.97	7.7	ng	339042	6	15.27	886090	20.0