LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
Data File : BF101906.D
Acq On : 4 Jan 2018 22:09
Operator : SJ/JU
Sample : J1033-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(10)

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:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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	4.998	491	495	509	rBV	271340	530929	13.29%	1.550%
2	5.398	560	563	594	rBV	2590638	3995968	100.00%	11.666%
3	6.422	734	737	755	rBV	2826346	3965596	99.24%	11.577%
4	6.545	755	758	776	rVB	3167702	3648423	91.30%	10.651%
5	6.769	793	796	806	rBV	941095	992618	24.84%	2.898%
6	6.928	819	823	846	rVB	2148699	2446661	61.23%	7.143%
7	7.345	890	894	917	rBV	2110710	2504879	62.69%	7.313%
8	8.051	1011	1014	1033	rVB	1091711	1255572	31.42%	3.666%
9	9.122	1193	1196	1205	rBV	2676397	2715490	67.96%	7.928%
10	9.192	1205	1208	1211	rVB	75340	65533	1.64%	0.191%
11	9.527	1262	1265	1270	rVB	265438	255997	6.41%	0.747%
12	9.722	1294	1298	1301	rVB	180875	155421	3.89%	0.454%
13	9.774	1301	1307	1309	rBV4	23679	44090	1.10%	0.129%
14	9.810	1309	1313	1317	rBV	1082906	1063270	26.61%	3.104%
15	10.039	1348	1352	1356	rVB3	45390	53648	1.34%	0.157%
16	10.216	1379	1382	1385	rVB	218636	173129	4.33%	0.505%
17	10.369	1405	1408	1414	rVB	34046	40451	1.01%	0.118%
18	10.433	1414	1419	1422	rBV	58955	79242	1.98%	0.231%
19	10.610	1445	1449	1460	rBV	1190610	1459064	36.51%	4.260%
20	10.692	1460	1463	1467	rVV	151179	148008	3.70%	0.432%
21	11.139	1535	1539	1546	rBV3	71550	98002	2.45%	0.286%
22	11.204	1547	1550	1559	rVB	31415	47912	1.20%	0.140%
23	11.304	1563	1567	1569	rBV	925835	864276	21.63%	2.523%
24	11.327	1569	1571	1578	rVV	451782	420674	10.53%	1.228%
25	11.386	1578	1581	1589	rVB	76983	90646	2.27%	0.265%
26	11.563	1607	1611	1614	rVB3	47935	48952	1.23%	0.143%
27	11.810	1649	1653	1656	rBV2	129889	136137	3.41%	0.397%
28	11.839	1656	1658	1663	rVB	78226	74067	1.85%	0.216%
29	11.921	1669	1672	1674	rBV2	74975	81988	2.05%	0.239%
30	12.168	1711	1714	1720	rBV2	37952	48954	1.23%	0.143%
31	12.357	1742	1746	1748	rBV2	71077	75709	1.89%	0.221%
32	12.521	1770	1774	1779	rBV	590864	568979	14.24%	1.661%
33	12.680	1797	1801	1806	rBV4	37806	66107	1.65%	0.193%
34	12.733	1807	1810	1811	rVV	106455	90368	2.26%	0.264%

LSC Area Percent Report

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Acq On : 4 Jan 2018 22:09
Operator : SJ/JU
Sample : J1033-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(10)

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:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.751	1811	1813	1819	rVB	486749	488801	12.23%	1.427%
36	12.880	1831	1835	1839	rBV	2181456	1980139	49.55%	5.781%
37	12.974	1847	1851	1856	rVB2	45119	70710	1.77%	0.206%
38	13.086	1862	1870	1875	rBV	78210	119292	2.99%	0.348%
39	13.192	1884	1888	1895	rVB2	55126	80110	2.00%	0.234%
40	13.427	1925	1928	1930	rBV2	38748	40653	1.02%	0.119%
41	13.615	1958	1960	1964	rVB	50956	46923	1.17%	0.137%
42	13.727	1974	1979	1981	rBV2	72324	104784	2.62%	0.306%
43	13.757	1981	1984	1992	rVV4	167550	255103	6.38%	0.745%
44	13.827	1994	1996	1999	rVB	46705	42092	1.05%	0.123%
45	13.892	2004	2007	2011	rVB	144314	130668	3.27%	0.381%
46	13.957	2013	2018	2021	rBV2	924864	1164763	29.15%	3.400%
47	13.980	2021	2022	2029	rVB	274070	259369	6.49%	0.757%
48	14.068	2034	2037	2040	rVB2	50865	61684	1.54%	0.180%
49	15.004	2192	2196	2199	rBV	212854	297921	7.46%	0.870%
50	15.304	2244	2247	2252	rVB	92911	109146	2.73%	0.319%
51	15.368	2255	2258	2264	rVB	139377	190176	4.76%	0.555%
52	15.427	2264	2268	2272	rBV	387765	503612	12.60%	1.470%

Sum of corrected areas: 34252706

LSC Report - Integrated Chromatogram

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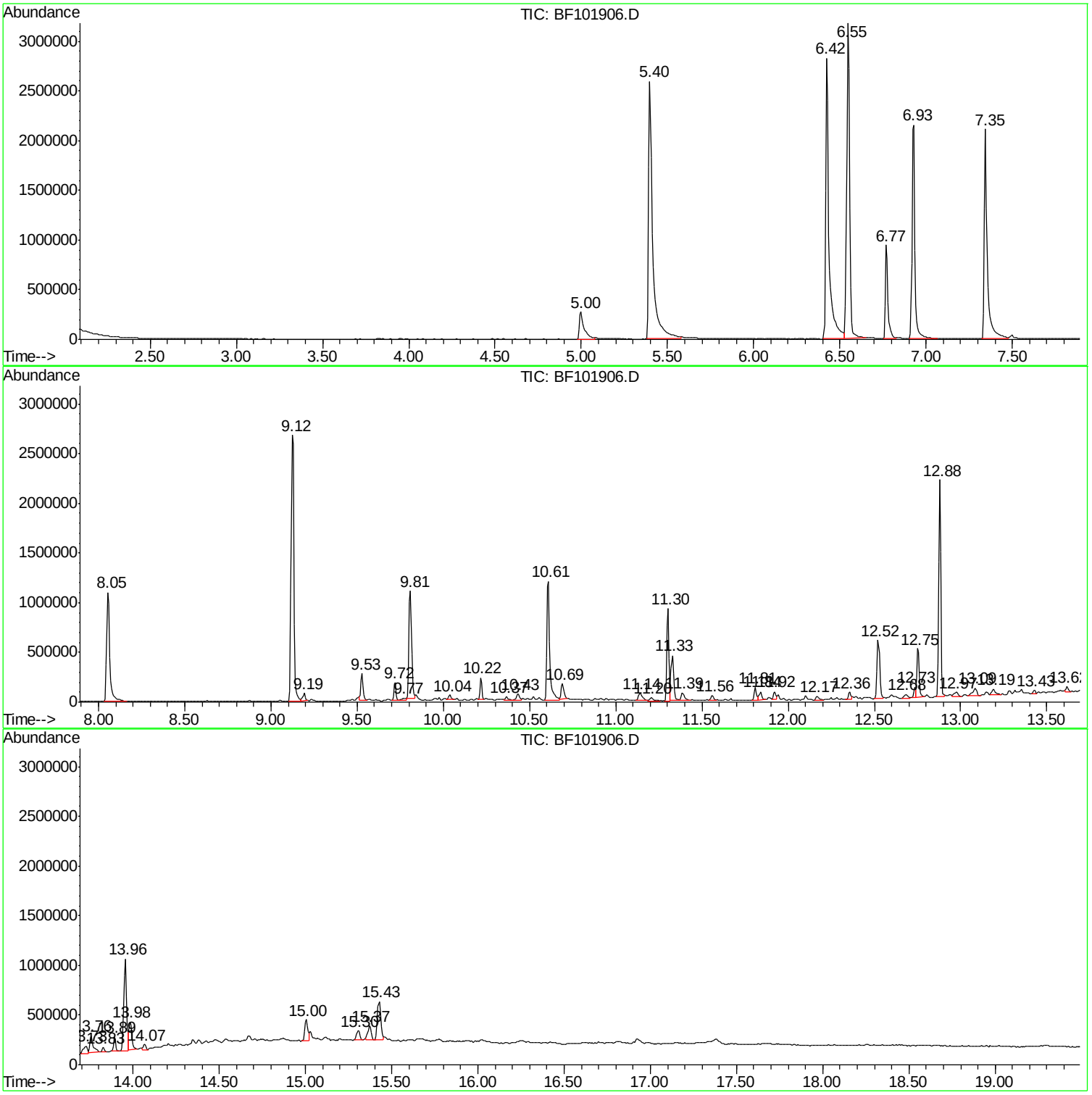
Data File : BF101906.D
Acq On : 4 Jan 2018 22:09
Operator : SJ/JU
Sample : J1033-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
Data File : BF101906.D
Acq On : 4 Jan 2018 22:09
Operator : SJ/JU
Sample : J1033-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

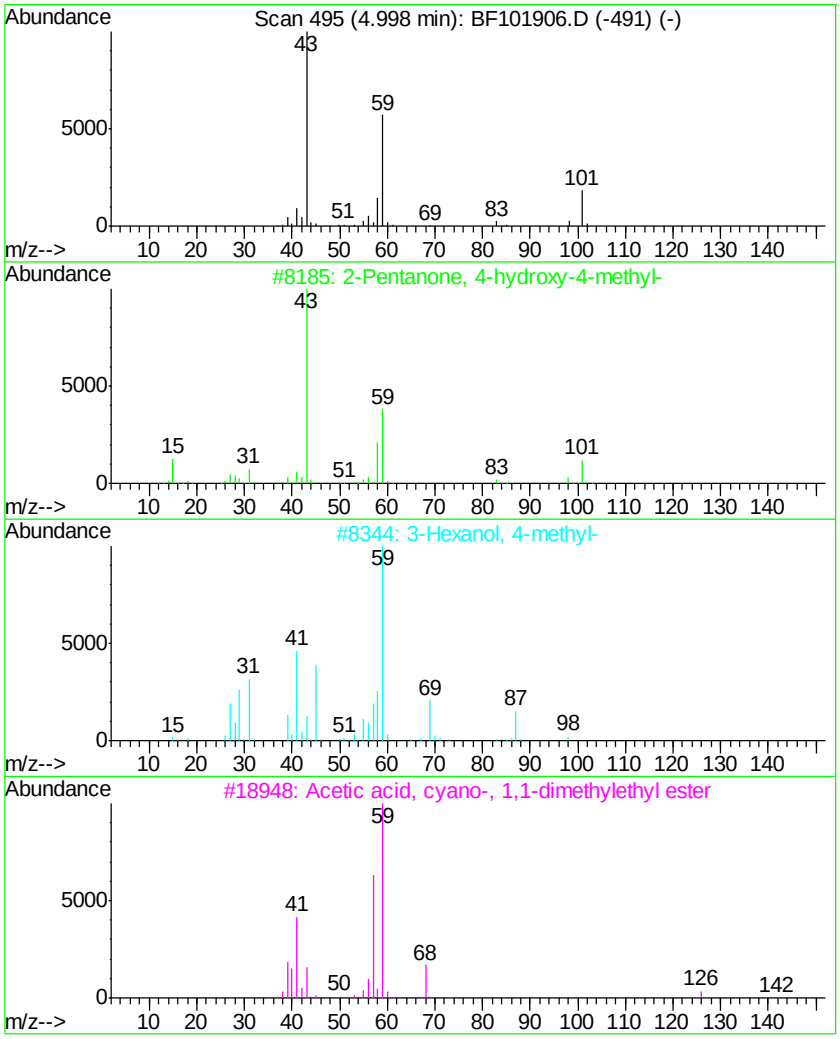
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

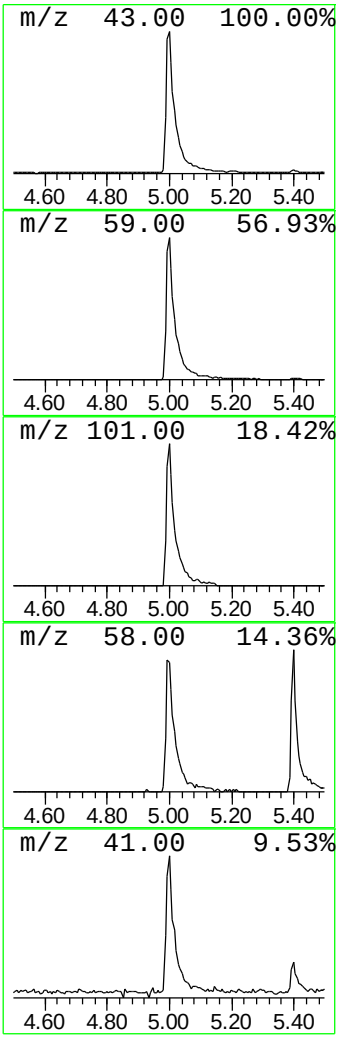
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.00	10.70 ng	530929	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
Data File : BF101906.D
Acq On : 4 Jan 2018 22:09
Operator : SJ/JU
Sample : J1033-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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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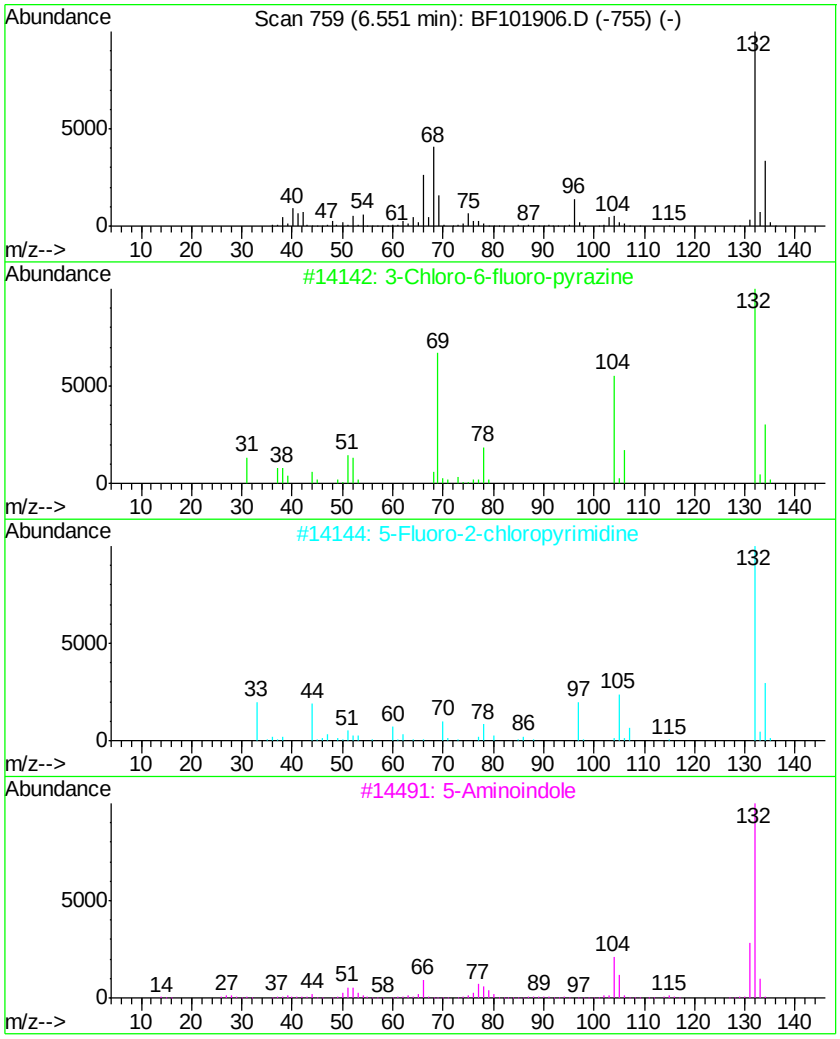
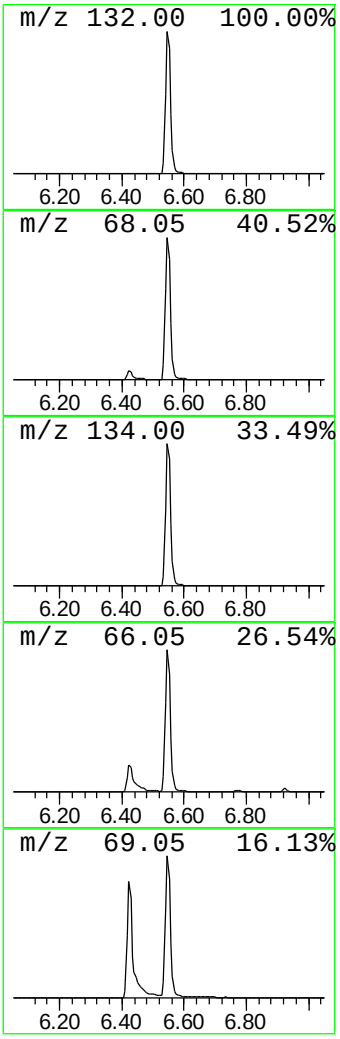
Peak Number 2 unknown6.55 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.55	73.51 ng	3648420	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
Data File : BF101906.D
Acq On : 4 Jan 2018 22:09
Operator : SJ/JU
Sample : J1033-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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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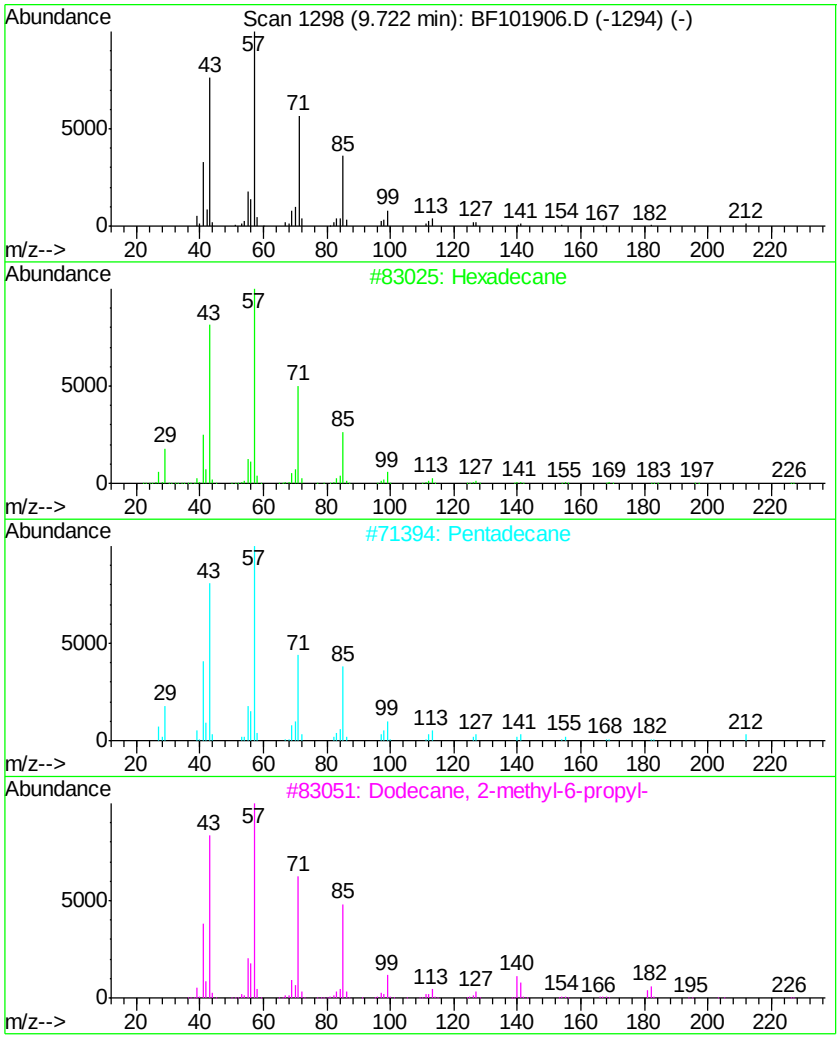
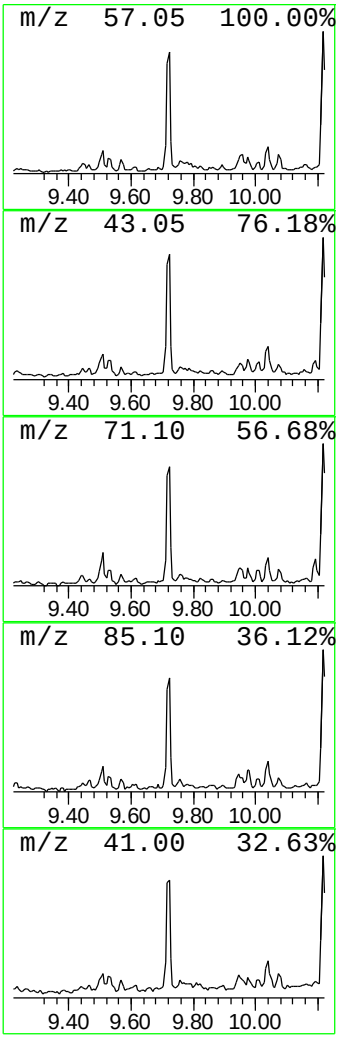
Peak Number 4 Hexadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	2.92 ng	155421	Acenaphthene-d10	9.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Pentadecane	212	C15H32	000629-62-9	87
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80
4	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	78
5	Decane, 3-bromo-	220	C10H21Br	030571-71-2	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
Data File : BF101906.D
Acq On : 4 Jan 2018 22:09
Operator : SJ/JU
Sample : J1033-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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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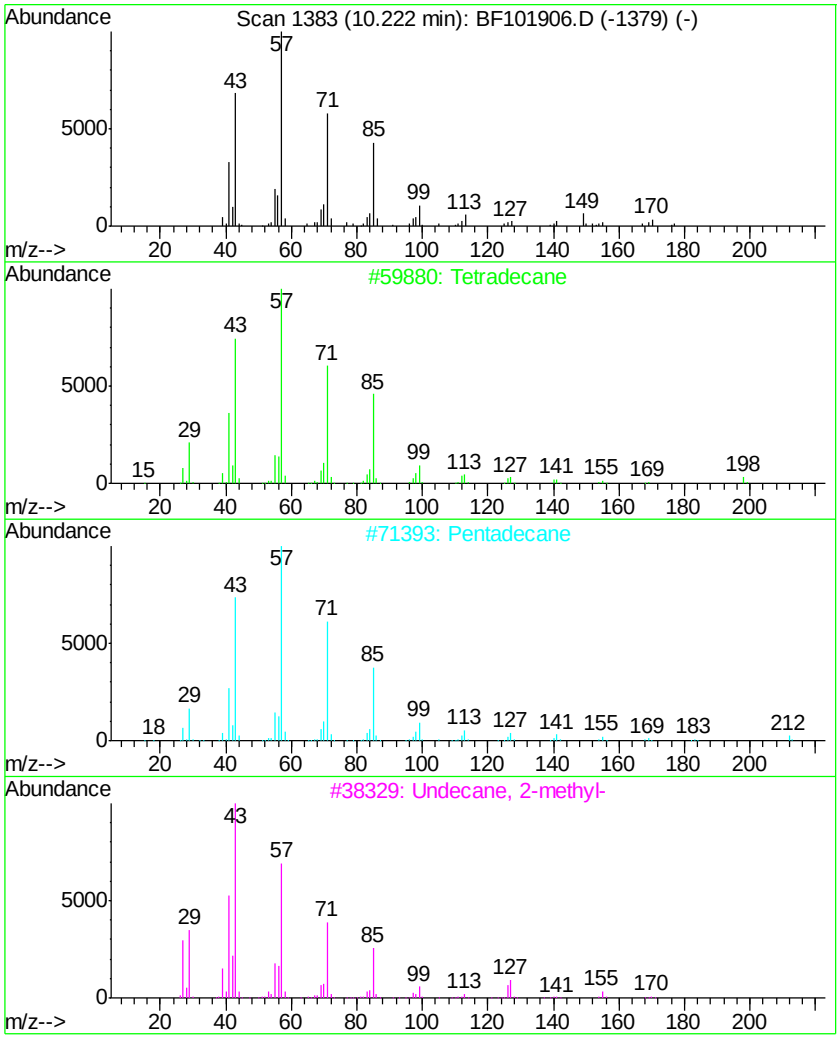
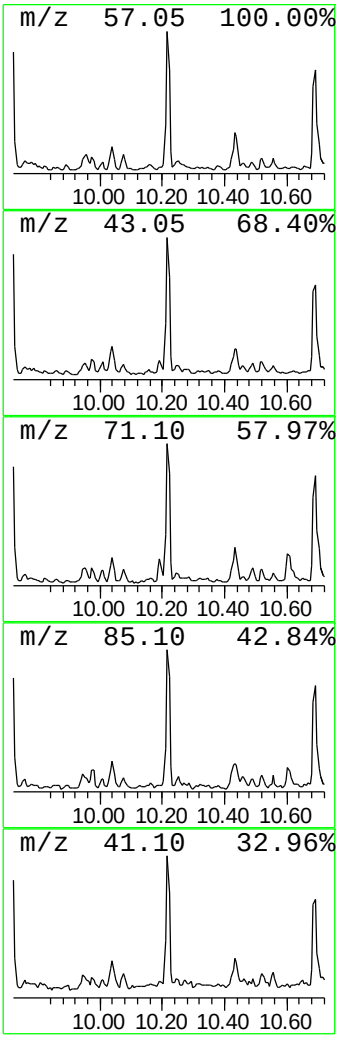
Peak Number 5 Tetradecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.22	3.26 ng	173129	Acenaphthene-d10	9.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	90
2	Pentadecane	212	C15H32	000629-62-9	90
3	Undecane, 2-methyl-	170	C12H26	007045-71-8	86
4	Tridecane	184	C13H28	000629-50-5	83
5	Heptadecane	240	C17H36	000629-78-7	83





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
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Sample : J1033-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
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TIC Library : C:\DATABASE\NIST11.L
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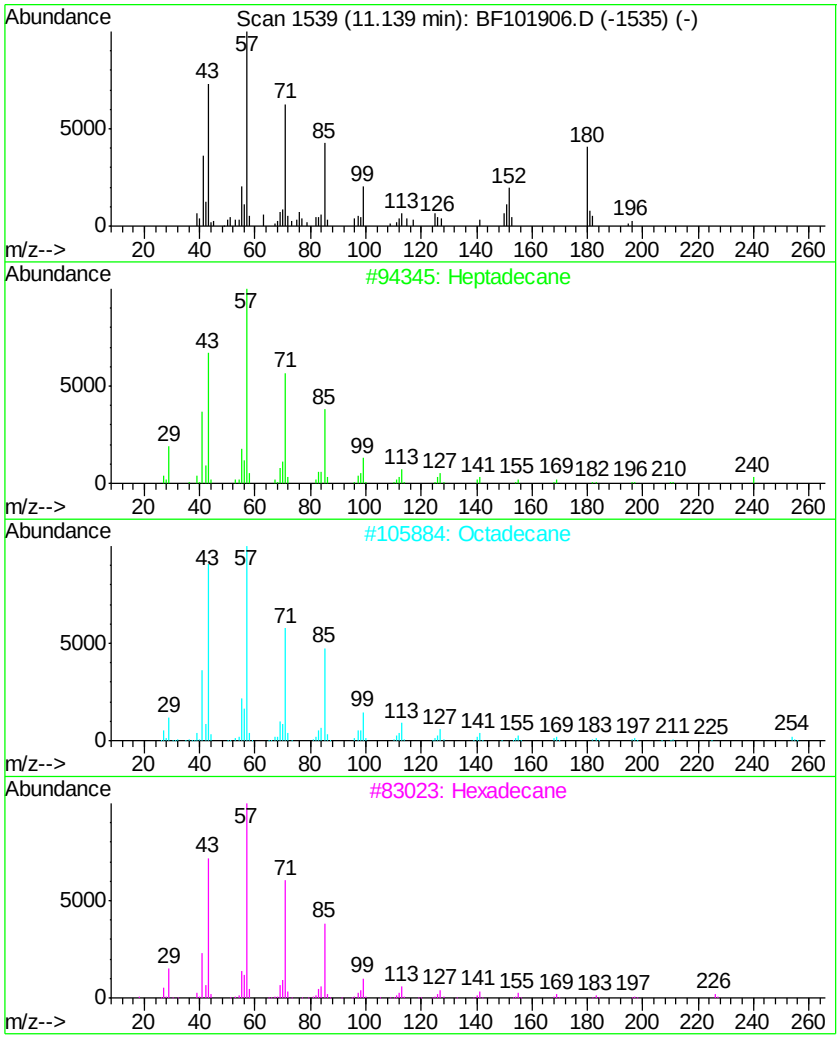
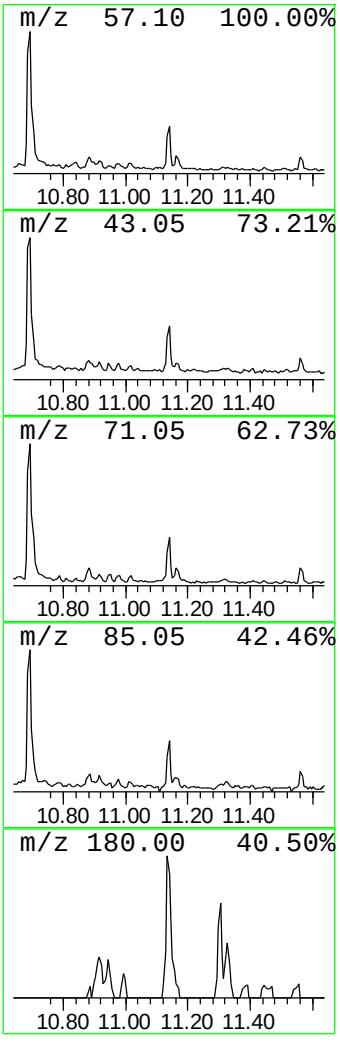
Peak Number 7 unknown11.14 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	2.27 ng	98002	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	46
2	Octadecane	254	C18H38	000593-45-3	46
3	Hexadecane	226	C16H34	000544-76-3	43
4	Pentadecane	212	C15H32	000629-62-9	43
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	43





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Sample : J1033-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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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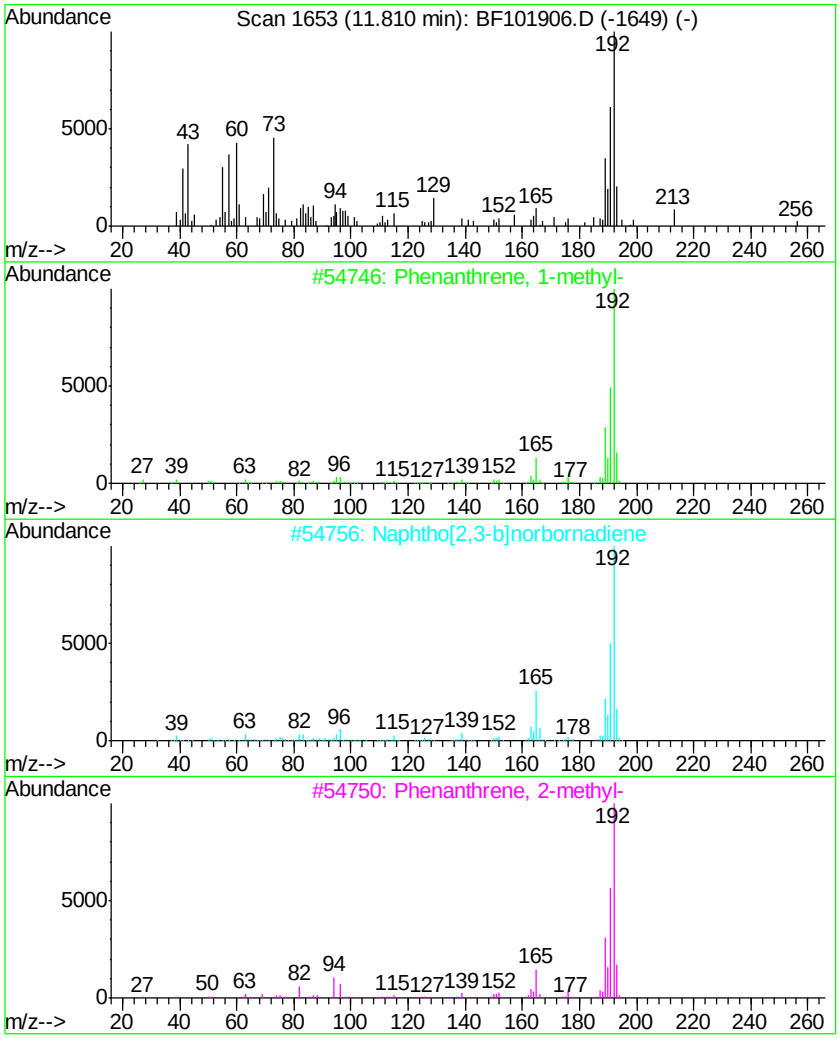
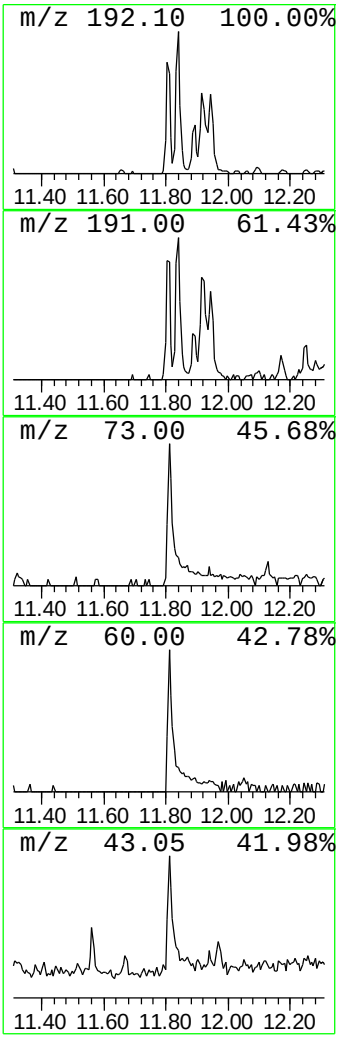
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	3.15 ng	136137	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
2	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	83
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	70
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	60
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	60





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Sample : J1033-02
Misc :
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Instrument : BNA_F
ClientSampleId : B-1(10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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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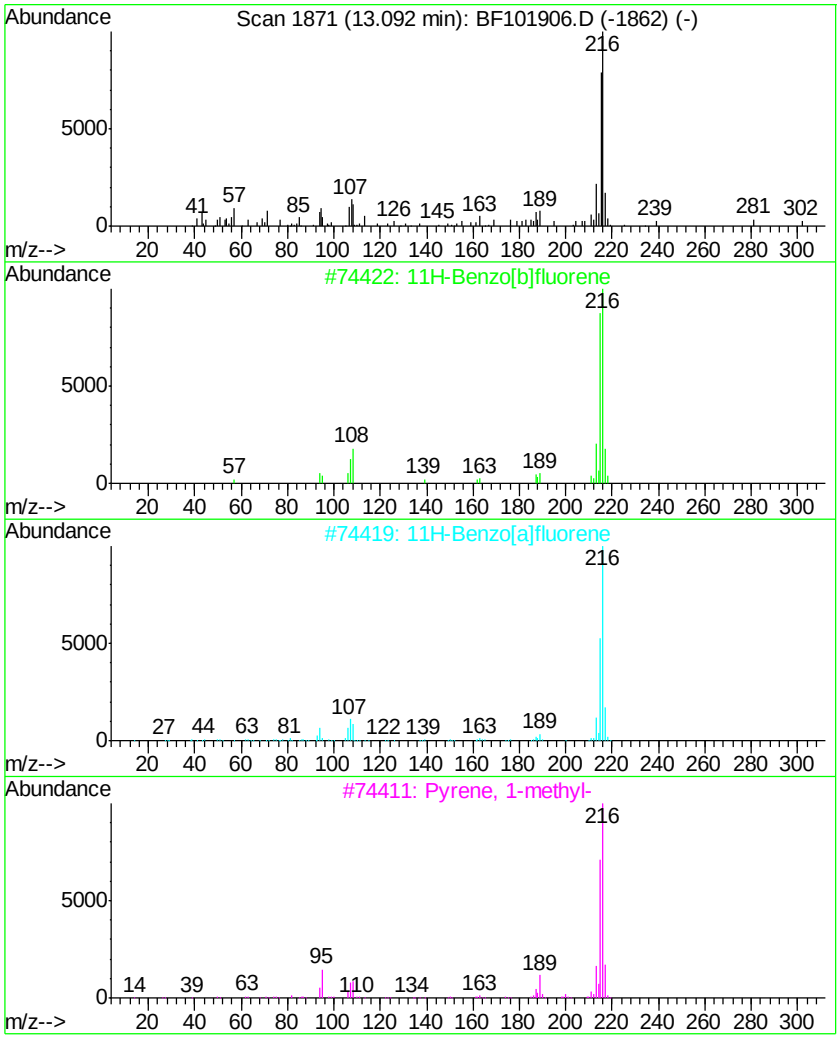
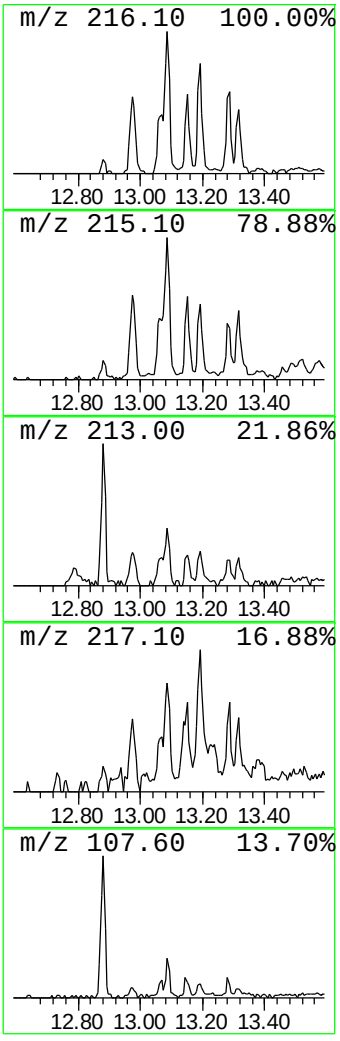
Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	2.05 ng	119292	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
Data File : BF101906.D
Acq On : 4 Jan 2018 22:09
Operator : SJ/JU
Sample : J1033-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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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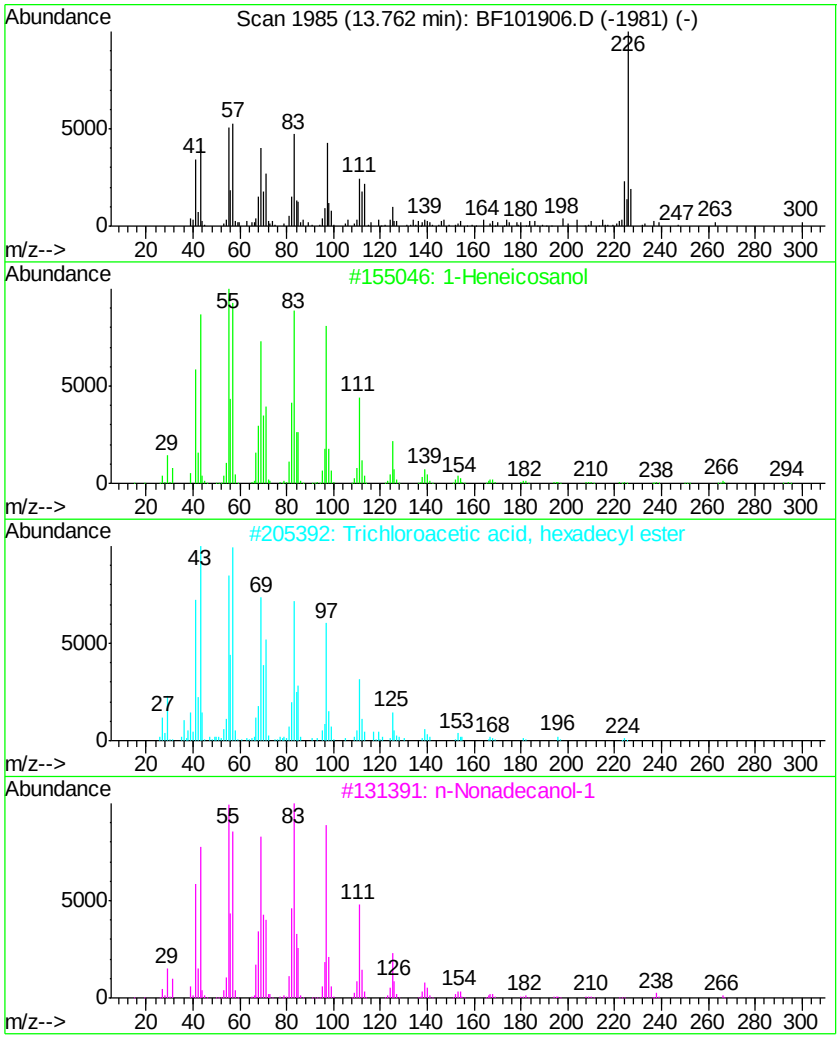
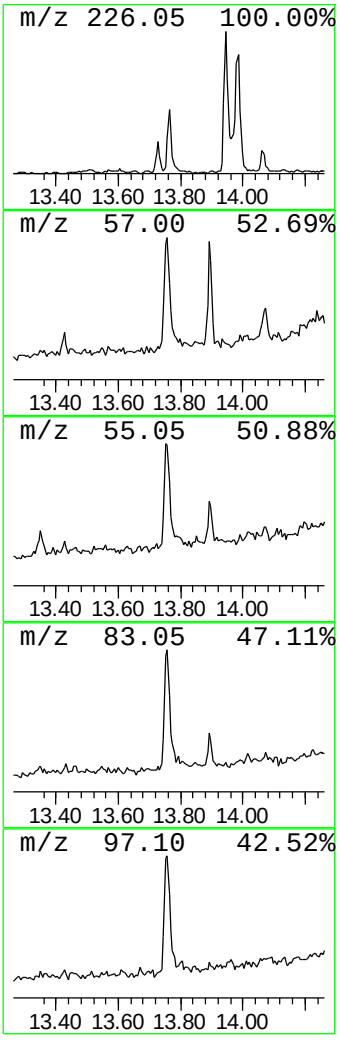
Peak Number 11 1-Heneicosanol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	4.38 ng	255103	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	89
2	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	83
3	n-Nonadecanol-1	284	C19H40O	001454-84-8	76
4	Behenic alcohol	326	C22H46O	000661-19-8	76
5	n-Heptadecanol-1	256	C17H36O	001454-85-9	76





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
Data File : BF101906.D
Acq On : 4 Jan 2018 22:09
Operator : SJ/JU
Sample : J1033-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

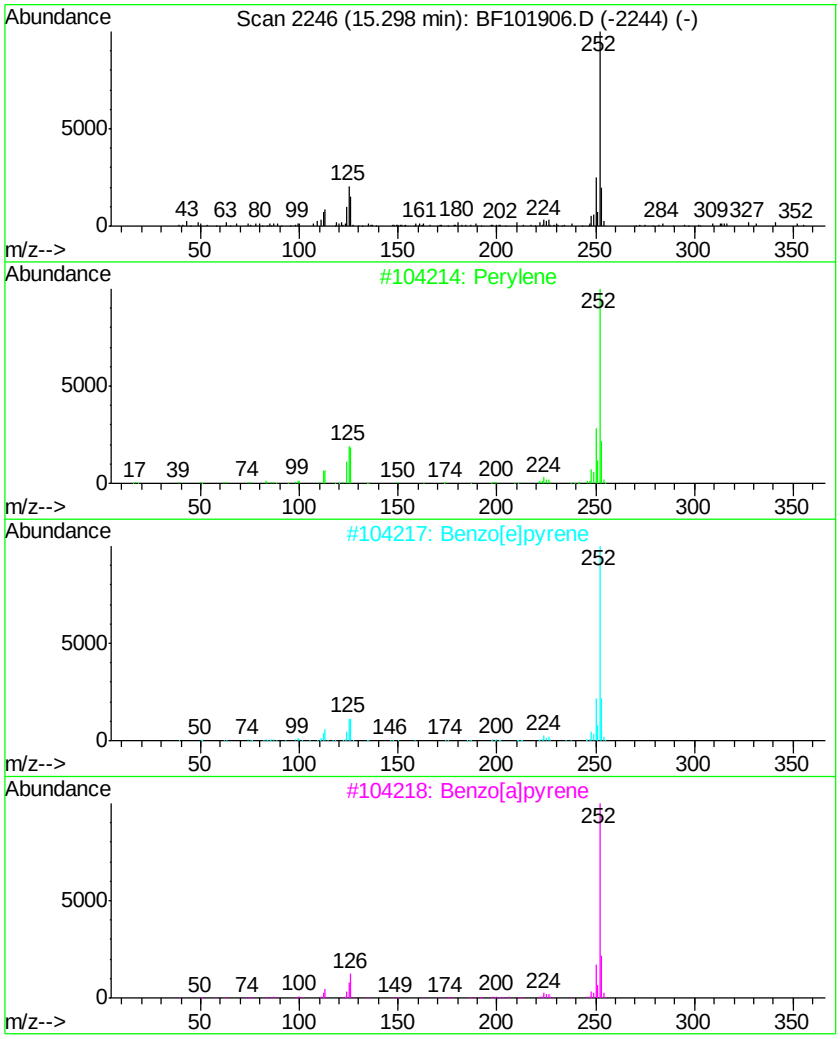
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

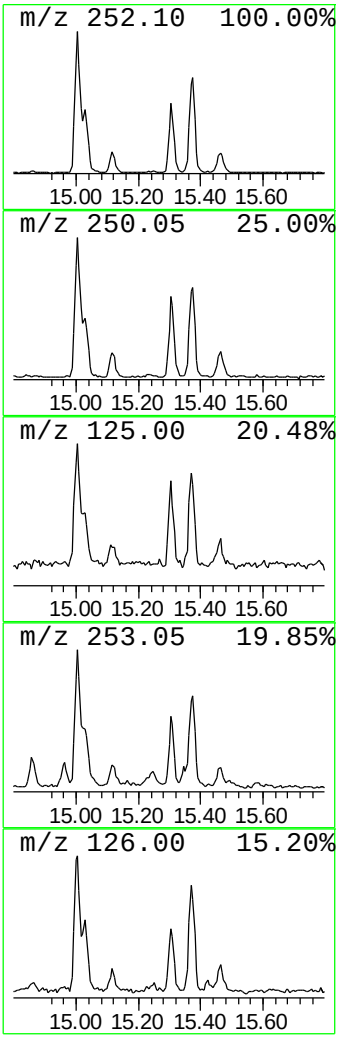
****

Peak Number 12 Perylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	4.33 ng	109146	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	95
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010418\
Data File : BF101906.D
Acq On : 4 Jan 2018 22:09
Operator : SJ/JU
Sample : J1033-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-1(10)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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...	5.00	10.7	ng	530929	1	6.77	992618	20.0
unknown6.55	6.55	73.5	ng	3648420	1	6.77	992618	20.0
Hexadecane	9.72	2.9	ng	155421	3	9.81	1063270	20.0
Tetradecane	10.22	3.3	ng	173129	3	9.81	1063270	20.0
unknown11.14	11.14	2.3	ng	98002	4	11.30	864276	20.0
Phenanthrene, 1-m...	11.81	3.1	ng	136137	4	11.30	864276	20.0
11H-Benzo[b]fluorene	13.09	2.0	ng	119292	5	13.96	1164760	20.0
1-Heneicosanol	13.76	4.4	ng	255103	5	13.96	1164760	20.0
Perylene	15.30	4.3	ng	109146	6	15.43	503612	20.0