LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012918\
Data File : BF102597.D
Acq On : 29 Jan 2018 15:03
Operator : SJ/JU
Sample : J1253-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-04(0-5)

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-BF012218.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	5.328	547	551	567	rBV	1695876	1785419	15.40%	4.121%
2	6.363	723	727	744	rBV	1860254	2037250	17.57%	4.702%
3	6.486	744	748	755	rVV	2022116	1846417	15.93%	4.261%
4	6.716	783	787	795	rBV	1138699	940663	8.11%	2.171%
5	6.869	809	813	821	rBV	1674106	1464265	12.63%	3.379%
6	7.281	880	883	895	rBV	1042153	1017072	8.77%	2.347%
7	7.998	1002	1005	1008	rBV	1346755	1156730	9.98%	2.670%
8	9.075	1184	1188	1197	rBV	2109469	1839804	15.87%	4.246%
9	9.410	1241	1245	1248	rVV	97463	117141	1.01%	0.270%
10	9.469	1252	1255	1262	rVB	259691	241674	2.08%	0.558%
11	9.751	1295	1303	1306	rBV	1323859	1216442	10.49%	2.807%
12	9.786	1306	1309	1313	rVB	301946	263617	2.27%	0.608%
13	9.957	1332	1338	1342	rBV2	171556	178909	1.54%	0.413%
14	10.174	1373	1375	1378	rVB	175011	145761	1.26%	0.336%
15	10.298	1393	1396	1402	rVB	285710	292128	2.52%	0.674%
16	10.545	1434	1438	1444	rBV2	791313	780547	6.73%	1.801%
17	10.651	1453	1456	1465	rVB2	167100	233829	2.02%	0.540%
18	10.851	1483	1490	1492	rBV2	99055	143580	1.24%	0.331%
19	11.098	1528	1532	1534	rBV2	156837	150852	1.30%	0.348%
20	11.133	1534	1538	1545	rVB2	158024	217820	1.88%	0.503%
21	11.239	1552	1556	1558	rBV	1027696	977016	8.43%	2.255%
22	11.269	1558	1561	1564	rVV	2231305	1954900	16.86%	4.512%
23	11.316	1566	1569	1572	rVV	703319	582822	5.03%	1.345%
24	11.480	1592	1597	1602	rBV2	148961	211534	1.82%	0.488%
25	11.745	1638	1642	1644	rBV	294802	297914	2.57%	0.688%
26	11.768	1644	1646	1650	rVV	377373	342612	2.96%	0.791%
27	11.821	1652	1655	1657	rVV	173136	153098	1.32%	0.353%
28	11.851	1657	1660	1663	rVV2	439860	516435	4.45%	1.192%
29	11.874	1663	1664	1668	rVB	230371	166788	1.44%	0.385%
30	12.039	1689	1692	1694	rBV	159007	134465	1.16%	0.310%
31	12.292	1731	1735	1738	rBV	220669	256884	2.22%	0.593%
32	12.321	1738	1740	1744	rVV3	160571	218425	1.88%	0.504%
33	12.380	1747	1750	1754	rBV3	97793	151929	1.31%	0.351%
34	12.457	1759	1763	1766	rBV	2059573	1931053	16.66%	4.457%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012918\
Data File : BF102597.D
Acq On : 29 Jan 2018 15:03
Operator : SJ/JU
Sample : J1253-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-04(0-5)

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-BF012218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.492	1766	1769	1772	rVB2	141947	146121	1.26%	0.337%
36	12.686	1796	1802	1808	rBV	1919006	2288320	19.74%	5.281%
37	12.739	1808	1811	1814	rVB2	103333	130768	1.13%	0.302%
38	12.821	1820	1825	1828	rBV	1338078	1355107	11.69%	3.127%
39	13.015	1851	1858	1861	rBV	298631	424265	3.66%	0.979%
40	13.080	1866	1869	1871	rBV2	236004	190660	1.64%	0.440%
41	13.115	1873	1875	1878	rVB2	139781	133386	1.15%	0.308%
42	13.239	1894	1896	1902	rBV	123295	177243	1.53%	0.409%
43	13.304	1904	1907	1915	rVB	325964	363770	3.14%	0.840%
44	13.633	1961	1963	1965	rBV	142223	118940	1.03%	0.274%
45	13.704	1973	1975	1977	rBV	183140	136257	1.18%	0.314%
46	13.874	1997	2004	2009	rBV2	6449965	11593033	100.00%	26.755%
47	13.915	2009	2011	2014	rVB	806525	645765	5.57%	1.490%
48	14.915	2178	2181	2184	rBV	491593	619678	5.35%	1.430%
49	15.268	2238	2241	2245	rVB	441333	509800	4.40%	1.177%
50	15.327	2248	2251	2254	rVB	472564	531157	4.58%	1.226%

Sum of corrected areas: 43330065

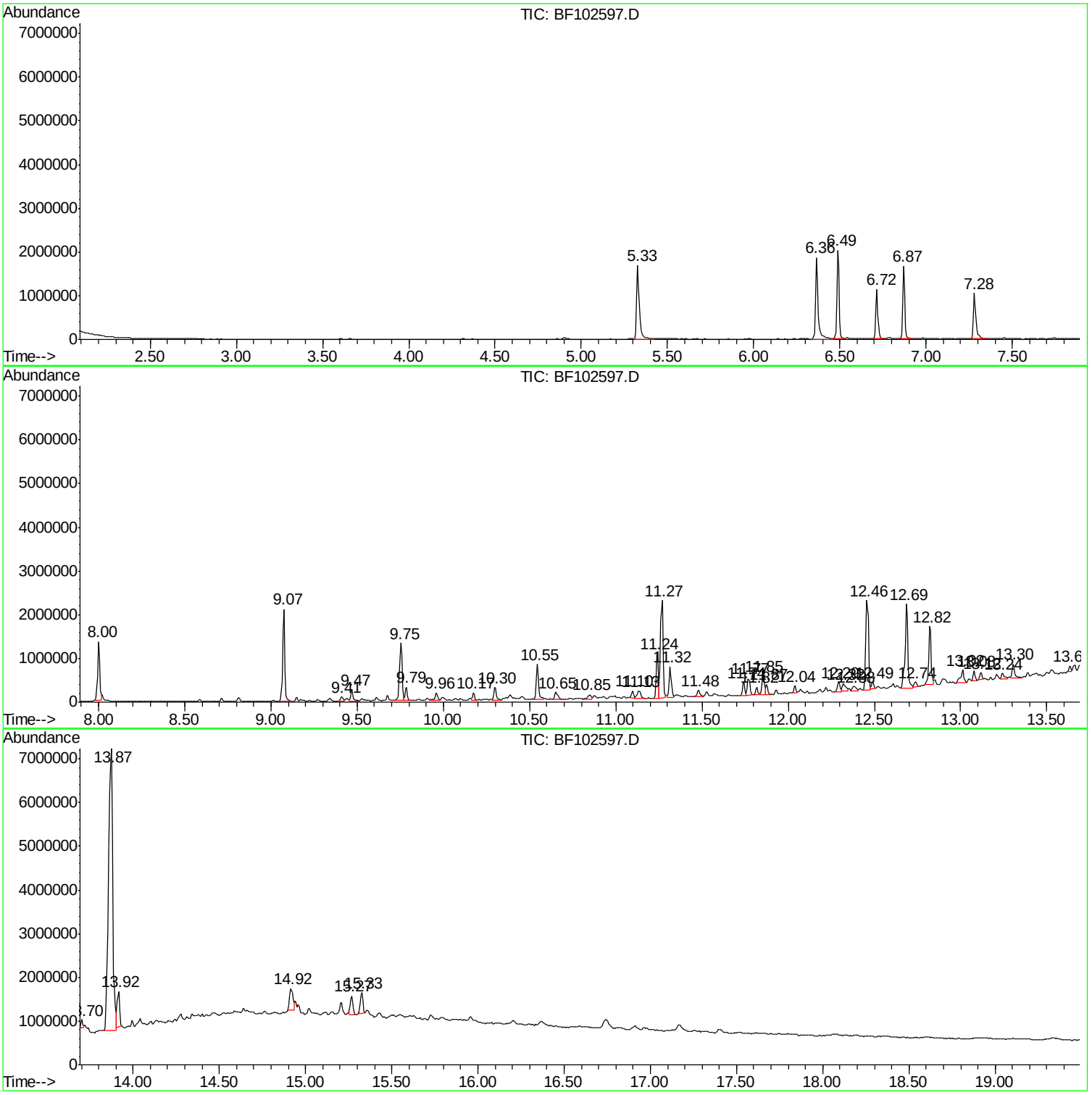
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012918\
Data File : BF102597.D
Acq On : 29 Jan 2018 15:03
Operator : SJ/JU
Sample : J1253-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-04(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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\BF012918\
Data File : BF102597.D
Acq On : 29 Jan 2018 15:03
Operator : SJ/JU
Sample : J1253-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-04(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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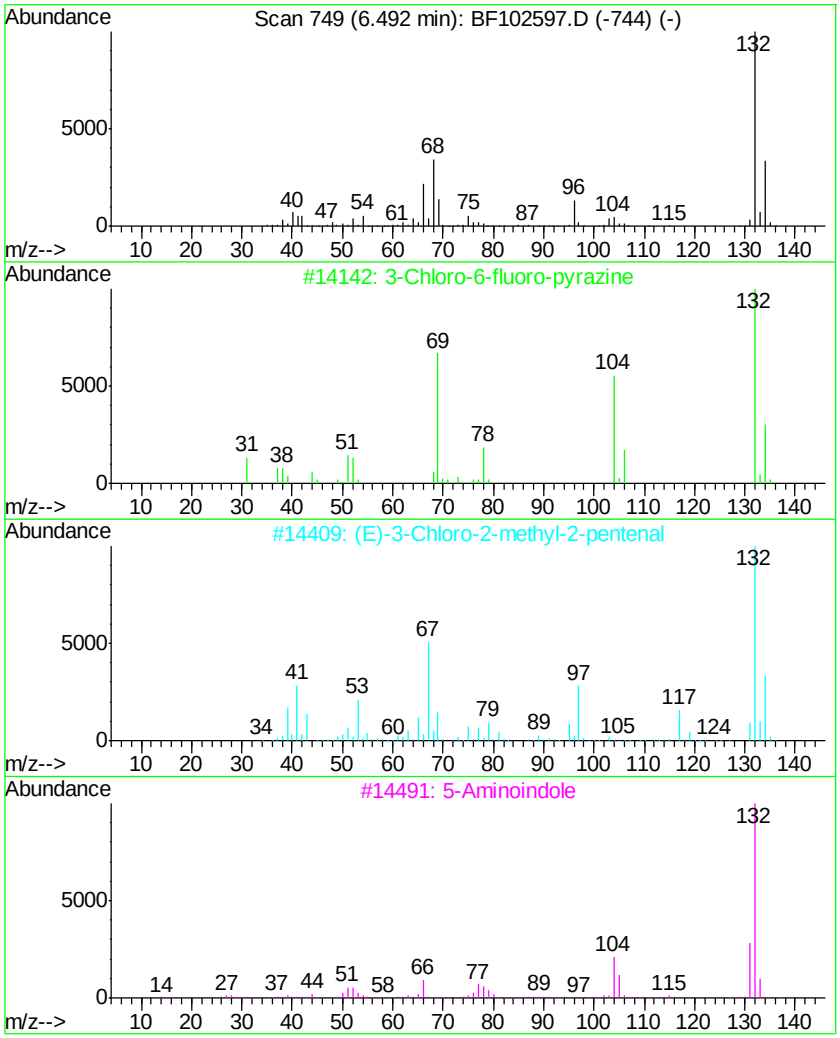
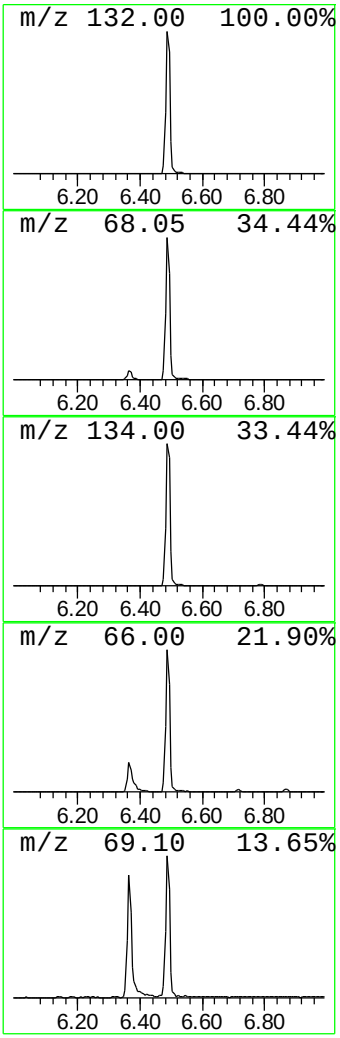
Peak Number 1 unknown6.49 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	39.26 ng	1846420	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	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012918\
Data File : BF102597.D
Acq On : 29 Jan 2018 15:03
Operator : SJ/JU
Sample : J1253-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-04(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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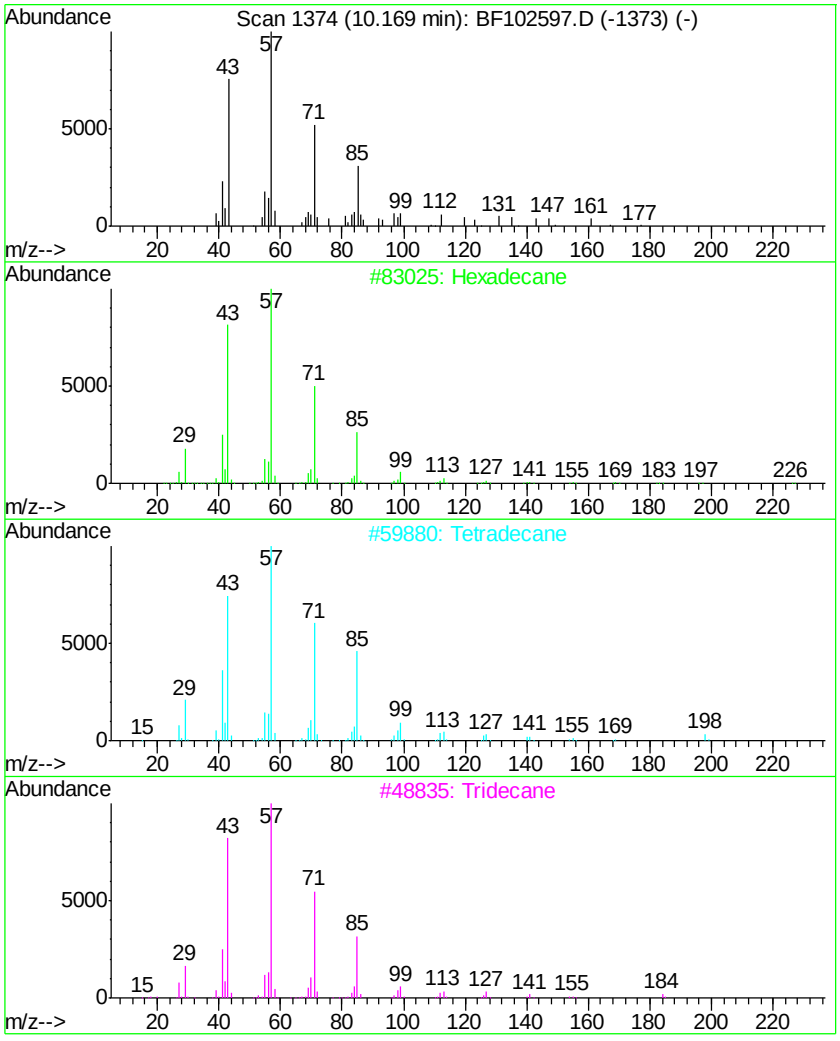
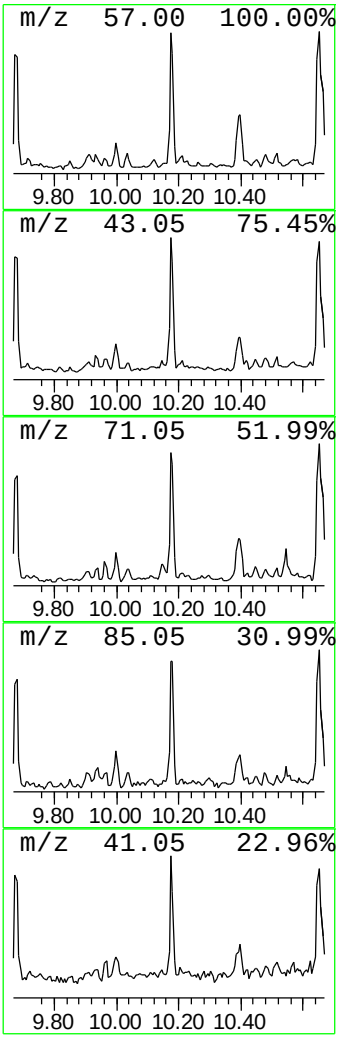
Peak Number 3 Hexadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.17	2.40 ng	145761	Acenaphthene-d10	9.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	86
2	Tetradecane	198	C14H30	000629-59-4	86
3	Tridecane	184	C13H28	000629-50-5	78
4	Nonane, 5-butyl-	184	C13H28	017312-63-9	72
5	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	58





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012918\
Data File : BF102597.D
Acq On : 29 Jan 2018 15:03
Operator : SJ/JU
Sample : J1253-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-04(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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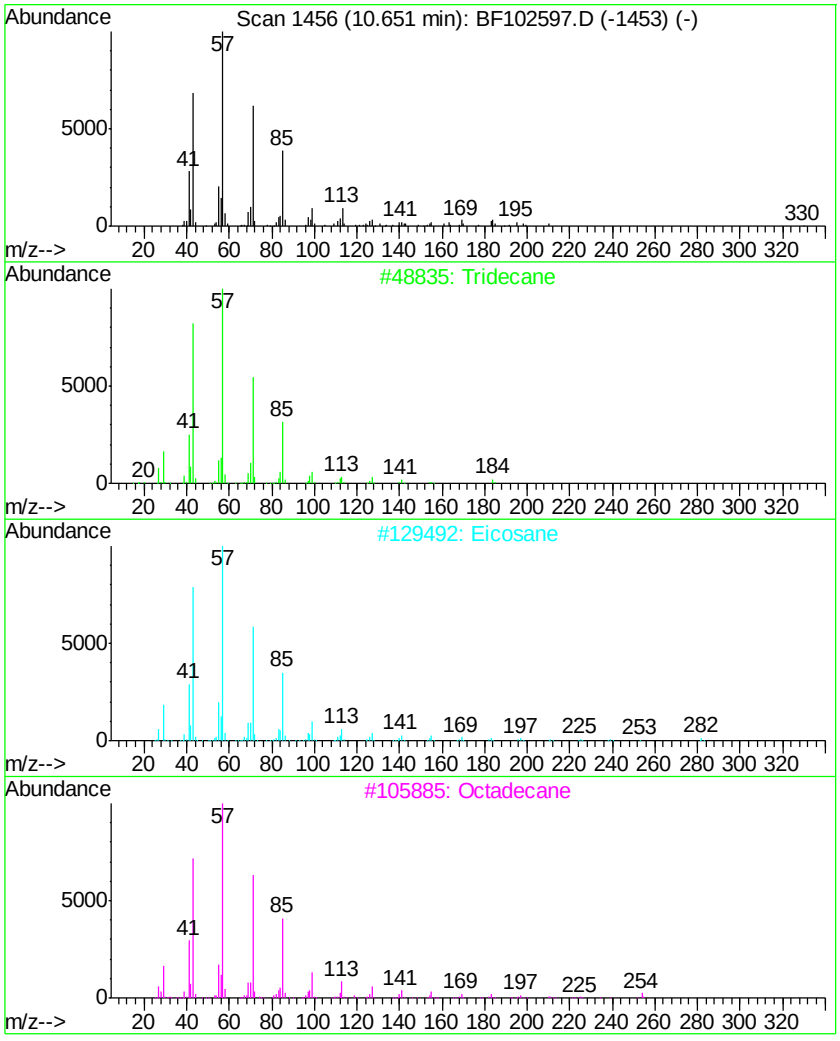
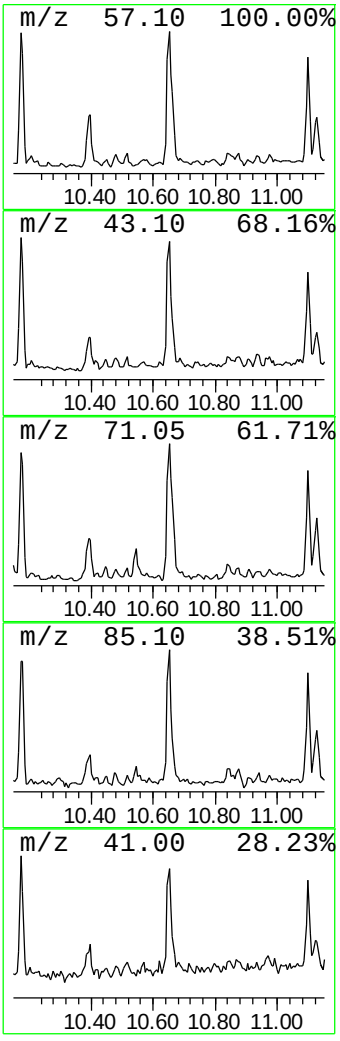
Peak Number 4 Tridecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.65	4.79 ng	233829	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	92
2	Eicosane	282	C20H42	000112-95-8	87
3	Octadecane	254	C18H38	000593-45-3	86
4	Tetradecane	198	C14H30	000629-59-4	86
5	Undecane, 5-methyl-	170	C12H26	001632-70-8	83





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012918\
Data File : BF102597.D
Acq On : 29 Jan 2018 15:03
Operator : SJ/JU
Sample : J1253-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-04(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

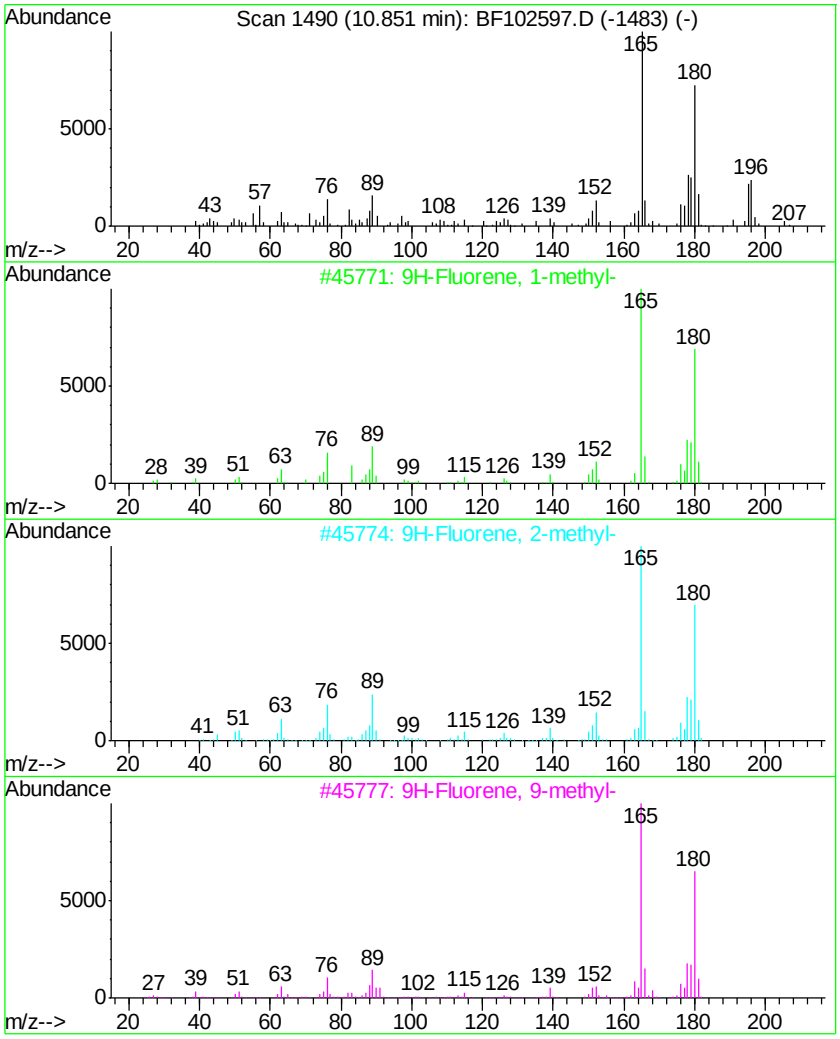
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

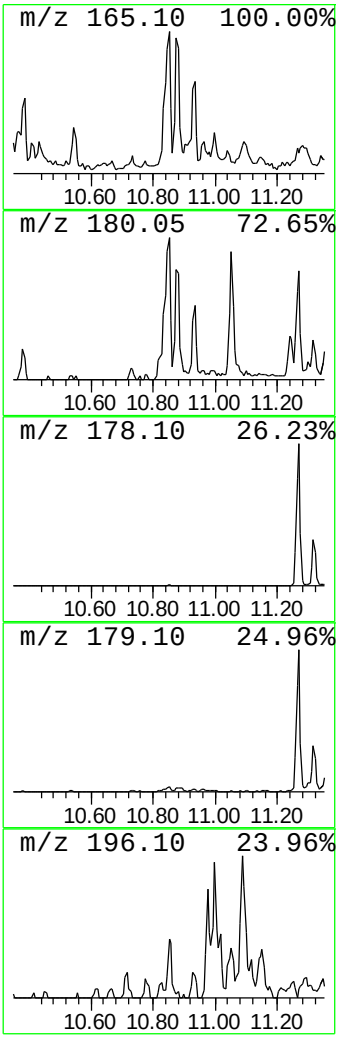
****

Peak Number 5 9H-Fluorene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	2.94 ng	143580	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	98
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	91
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	60





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012918\
Data File : BF102597.D
Acq On : 29 Jan 2018 15:03
Operator : SJ/JU
Sample : J1253-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-04(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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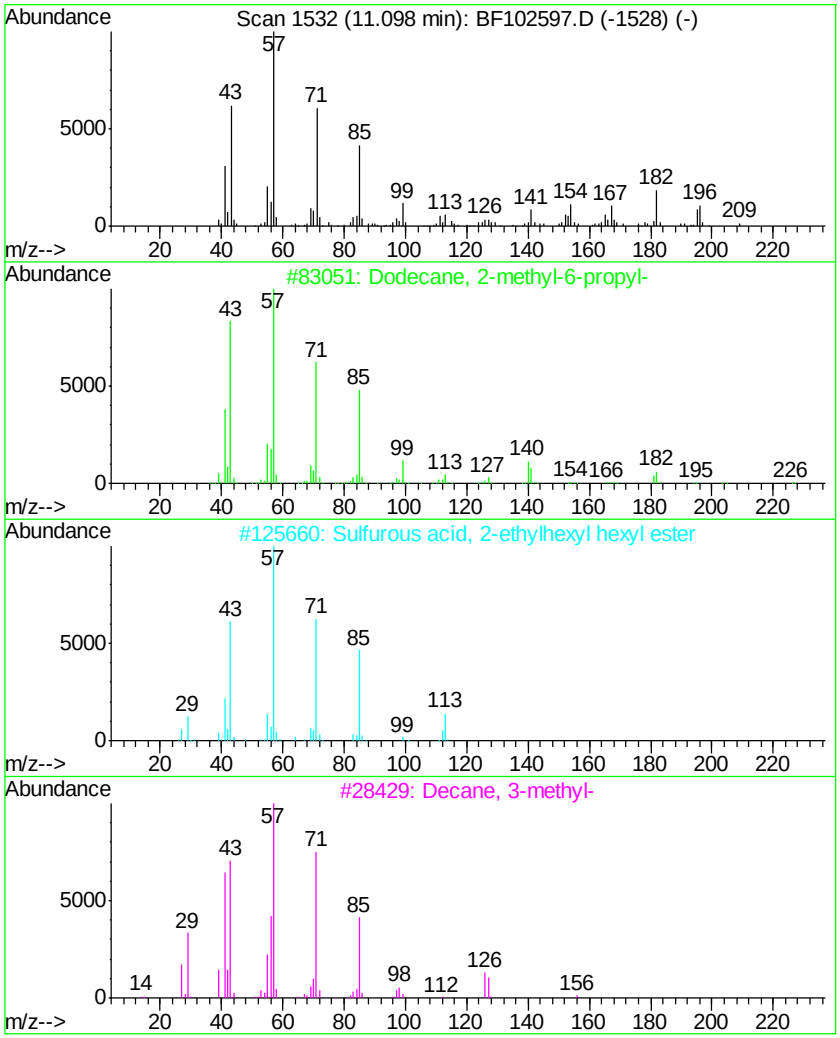
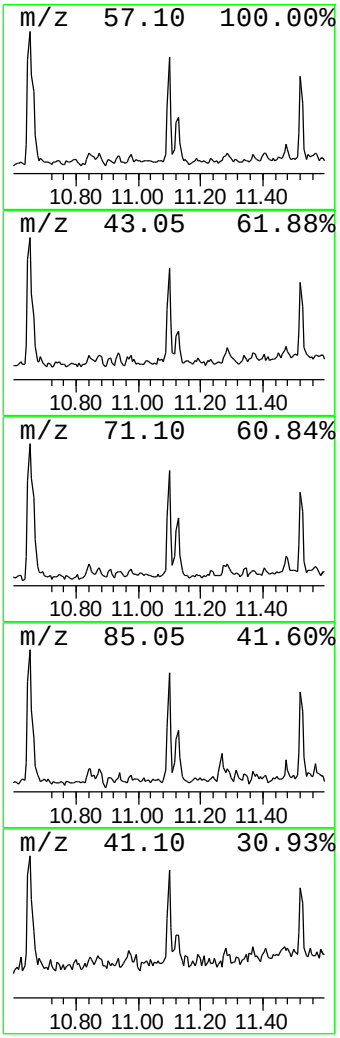
Peak Number 6 Dodecane, 2-methyl-6-propyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	3.09 ng	150852	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	58
2	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	52
3	Decane, 3-methyl-	156	C11H24	013151-34-3	52
4	Dodecane, 2-methyl-	184	C13H28	001560-97-0	50
5	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	50





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012918\
Data File : BF102597.D
Acq On : 29 Jan 2018 15:03
Operator : SJ/JU
Sample : J1253-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-04(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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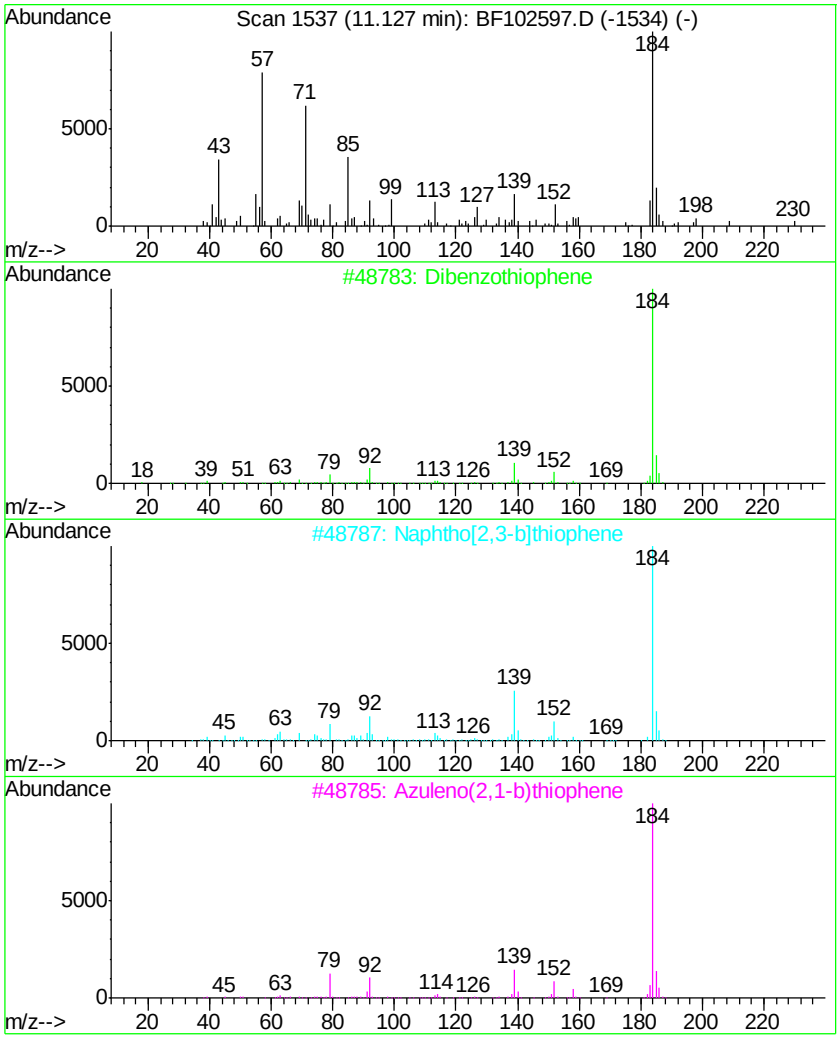
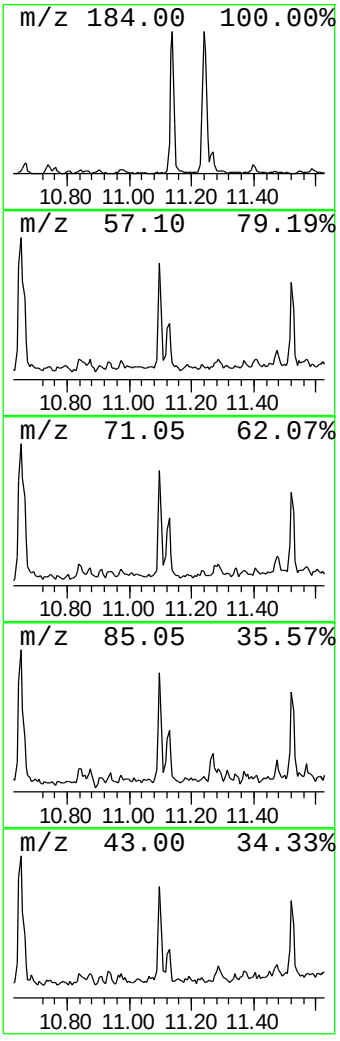
Peak Number 7 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	4.46 ng	217820	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	90
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	80





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012918\
Data File : BF102597.D
Acq On : 29 Jan 2018 15:03
Operator : SJ/JU
Sample : J1253-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-04(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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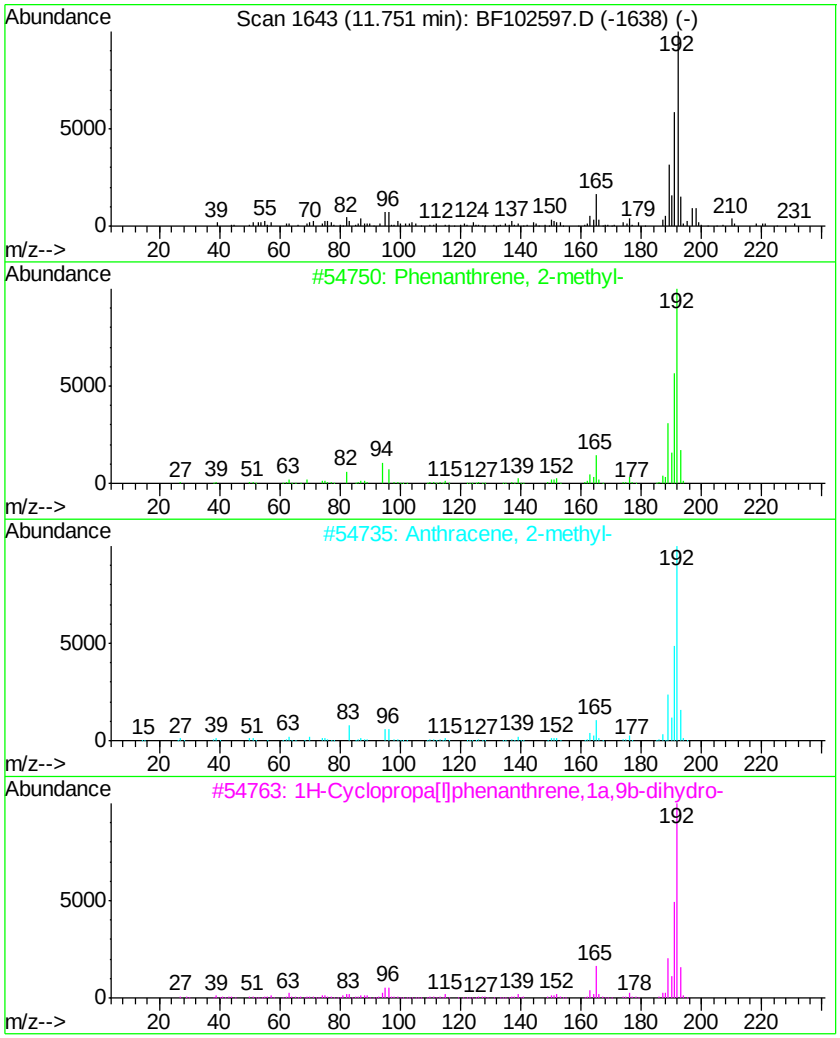
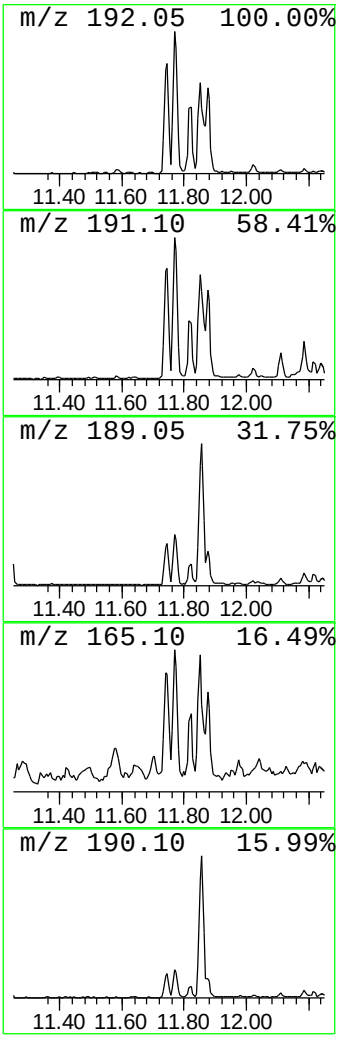
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	6.10 ng	297914	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012918\
Data File : BF102597.D
Acq On : 29 Jan 2018 15:03
Operator : SJ/JU
Sample : J1253-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-04(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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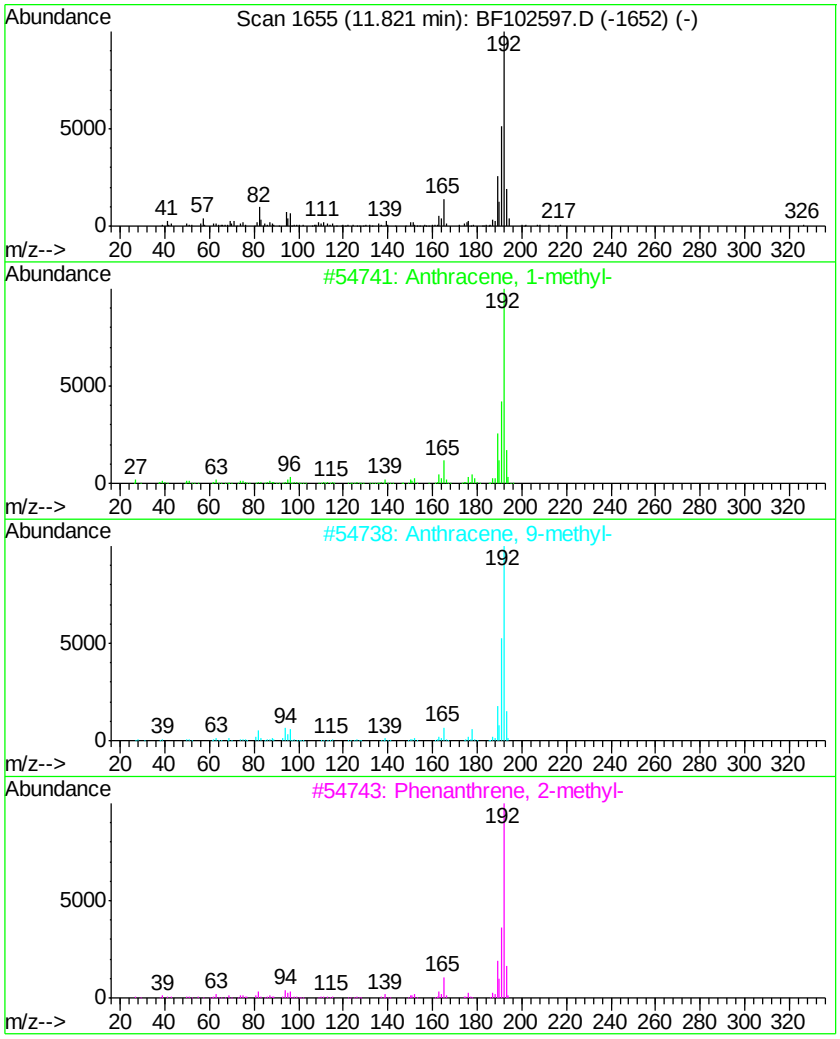
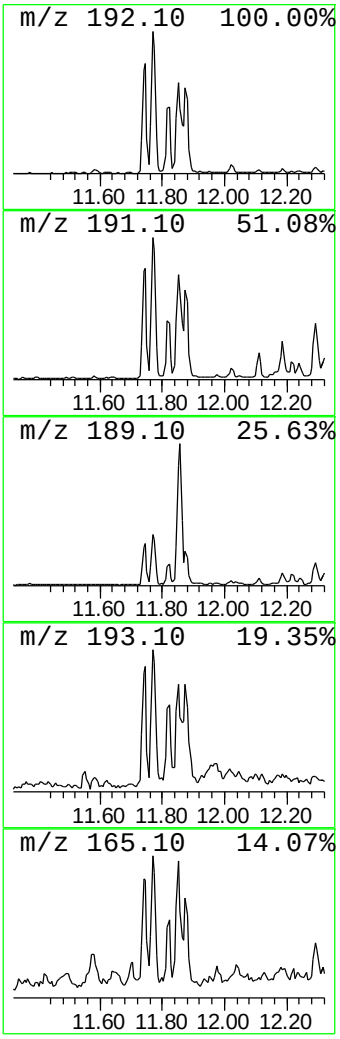
Peak Number 10 Anthracene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	3.13 ng	153098	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





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Acq On : 29 Jan 2018 15:03
Operator : SJ/JU
Sample : J1253-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-04(0-5)

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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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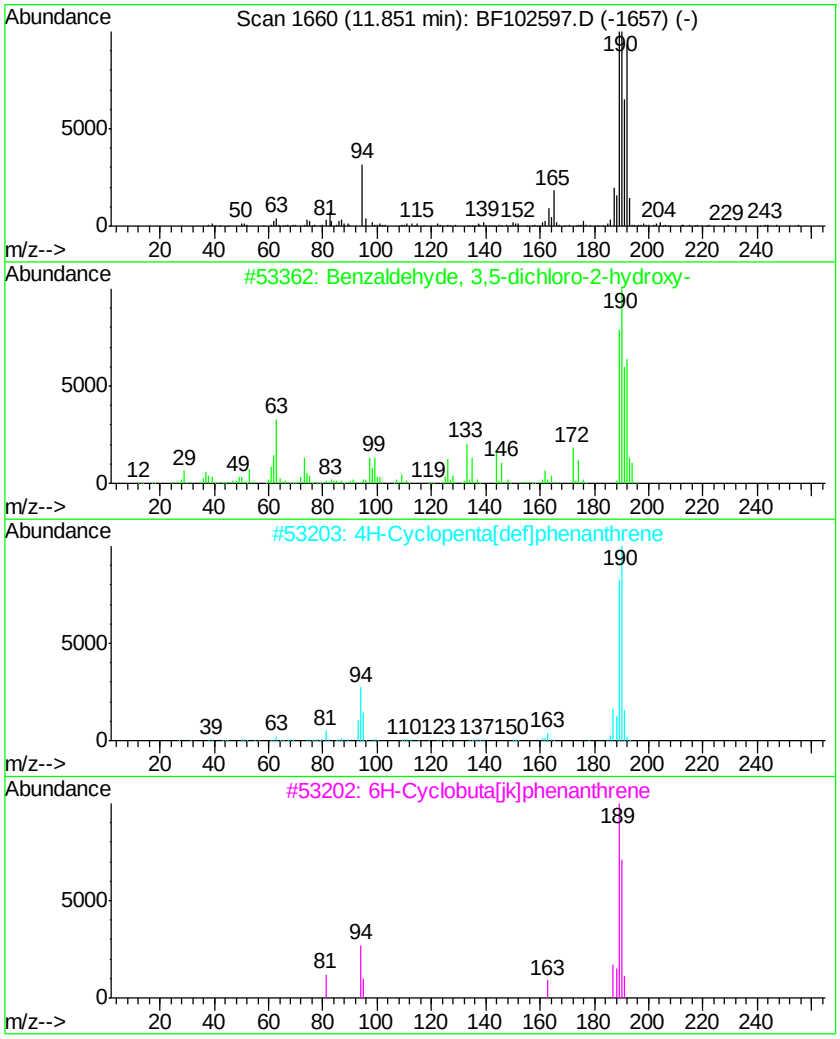
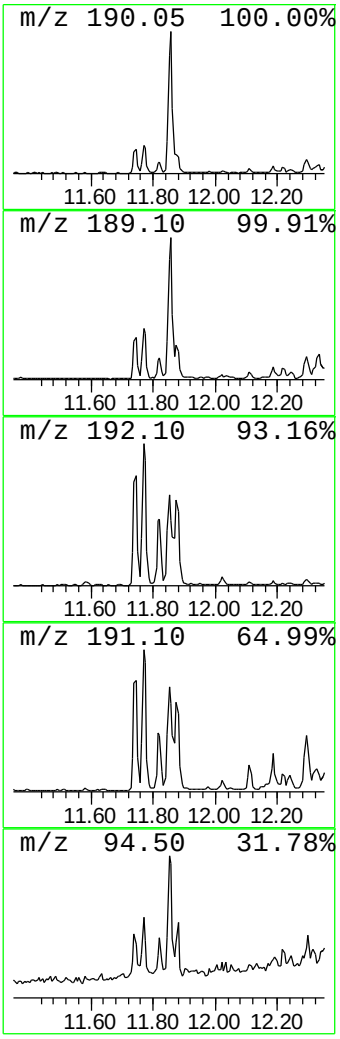
Peak Number 11 Benzaldehyde, 3,5-dichloro-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	10.57 ng	516435	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	30





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012918\
Data File : BF102597.D
Acq On : 29 Jan 2018 15:03
Operator : SJ/JU
Sample : J1253-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-04(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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 Naphtho[1,2-b]norbornadiene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	3.41 ng	166788	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	76
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	70
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	70
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	62
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	58