LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104186.D
Acq On : 3 Apr 2018 18:26
Operator : JU/SJ
Sample : J2182-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-6-EW(2.5-5)

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-BF032818.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	2.293	30	35	41	rVB	116613	164439	5.24%	0.460%
2	5.210	527	531	540	rVB	84705	129301	4.12%	0.362%
3	5.598	592	597	630	rBV	1963219	2746826	87.53%	7.690%
4	6.598	763	767	786	rBV	2026083	2853584	90.94%	7.989%
5	6.734	786	790	825	rVV	2557233	3138001	100.00%	8.785%
6	6.957	825	828	850	rVB	439700	580742	18.51%	1.626%
7	7.116	851	855	869	rBV	1991750	2171039	69.19%	6.078%
8	7.528	920	925	946	rBV	1219927	1858904	59.24%	5.204%
9	8.239	1042	1046	1064	rBV	748145	878382	27.99%	2.459%
10	8.951	1162	1167	1173	rBV	36350	44604	1.42%	0.125%
11	9.051	1181	1184	1188	rBV	36268	33857	1.08%	0.095%
12	9.310	1224	1228	1237	rBV	2702433	3026596	96.45%	8.473%
13	9.375	1237	1239	1242	rVV	82796	91799	2.93%	0.257%
14	9.416	1244	1246	1255	rVB4	30396	51848	1.65%	0.145%
15	9.651	1279	1286	1289	rVV2	34962	47441	1.51%	0.133%
16	9.704	1289	1295	1301	rVV	289378	344118	10.97%	0.963%
17	9.775	1305	1307	1317	rVB6	24124	42432	1.35%	0.119%
18	9.904	1326	1329	1332	rBV	99024	80350	2.56%	0.225%
19	9.998	1341	1345	1349	rBV	971848	912697	29.09%	2.555%
20	10.028	1349	1350	1357	rVB	96857	90073	2.87%	0.252%
21	10.198	1375	1379	1382	rBV2	30155	55836	1.78%	0.156%
22	10.404	1408	1414	1417	rBV2	142831	145434	4.63%	0.407%
23	10.551	1434	1439	1444	rVB2	48922	70804	2.26%	0.198%
24	10.622	1447	1451	1455	rBV3	44100	59711	1.90%	0.167%
25	10.798	1476	1481	1492	rBV	1790283	2179819	69.47%	6.102%
26	10.880	1492	1495	1500	rVV	104630	148633	4.74%	0.416%
27	10.986	1509	1513	1515	rBV4	32311	51923	1.65%	0.145%
28	11.327	1569	1571	1573	rBV	74849	55915	1.78%	0.157%
29	11.357	1573	1576	1580	rVV2	37990	46529	1.48%	0.130%
30	11.392	1580	1582	1589	rVB	32526	43666	1.39%	0.122%
31	11.492	1596	1599	1602	rBV	823905	920127	29.32%	2.576%
32	11.516	1602	1603	1610	rVV	666592	696174	22.19%	1.949%
33	11.574	1610	1613	1622	rVB	117324	185459	5.91%	0.519%
34	11.733	1638	1640	1642	rBV	35351	42588	1.36%	0.119%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104186.D
Acq On : 3 Apr 2018 18:26
Operator : JU/SJ
Sample : J2182-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-6-EW(2.5-5)

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-BF032818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.757	1642	1644	1647	rVB	68409	59965	1.91%	0.168%
36	12.004	1680	1686	1688	rBV2	475114	545343	17.38%	1.527%
37	12.110	1700	1704	1706	rBV2	126430	150896	4.81%	0.422%
38	12.163	1711	1713	1722	rBV5	66047	96159	3.06%	0.269%
39	12.292	1732	1735	1737	rBV	45758	53953	1.72%	0.151%
40	12.551	1775	1779	1782	rBV2	99022	119718	3.82%	0.335%
41	12.645	1791	1795	1801	rVB5	84271	168341	5.36%	0.471%
42	12.716	1803	1807	1817	rVV	1007375	1327030	42.29%	3.715%
43	12.786	1817	1819	1824	rVB3	159732	181133	5.77%	0.507%
44	12.927	1840	1843	1844	rBV2	195540	188342	6.00%	0.527%
45	12.945	1844	1846	1851	rVB	717896	730566	23.28%	2.045%
46	13.080	1865	1869	1879	rBV	2439363	2689461	85.71%	7.529%
47	13.598	1954	1957	1964	rVB2	190380	376792	12.01%	1.055%
48	13.951	2014	2017	2023	rVV3	383396	398359	12.69%	1.115%
49	13.998	2023	2025	2031	rVB2	119440	136413	4.35%	0.382%
50	14.151	2046	2051	2054	rBV2	772057	1115376	35.54%	3.122%
51	14.180	2054	2056	2062	rVB	344850	380836	12.14%	1.066%
52	14.251	2064	2068	2075	rVB2	206801	394877	12.58%	1.105%
53	14.798	2158	2161	2167	rVB	199408	250087	7.97%	0.700%
54	15.239	2232	2236	2251	rVB2	262347	764411	24.36%	2.140%
55	15.562	2288	2291	2297	rVV	118360	143972	4.59%	0.403%
56	15.633	2299	2303	2310	rVV	165873	302923	9.65%	0.848%
57	15.698	2310	2314	2327	rVB	367180	682136	21.74%	1.910%
58	17.292	2580	2585	2592	rBV2	67160	154746	4.93%	0.433%
59	17.780	2662	2668	2684	rVB5	85703	319624	10.19%	0.895%

Sum of corrected areas: 35721110

LSC Report - Integrated Chromatogram

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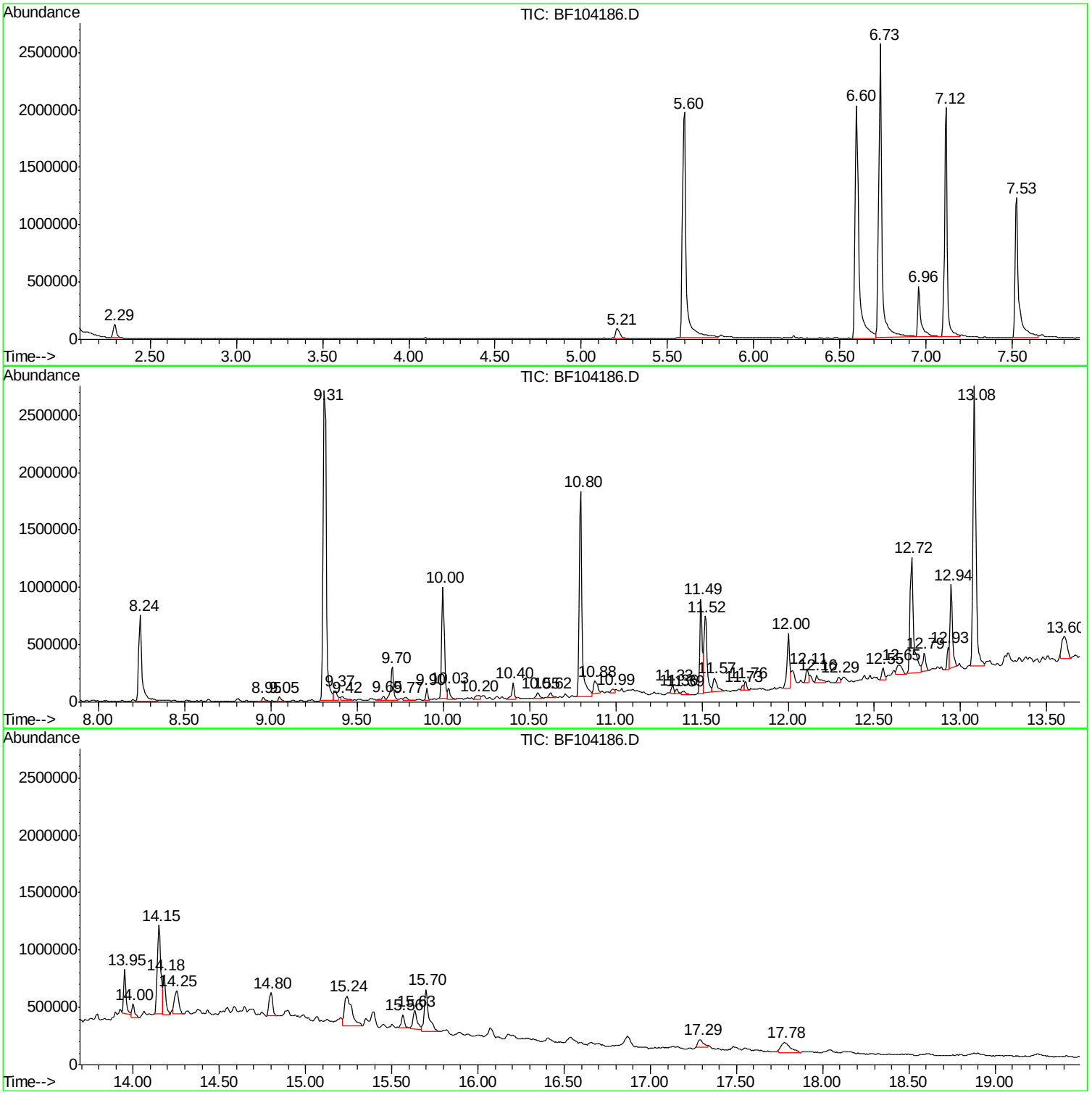
Operator : JU/SJ
Sample : J2182-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-6-EW(2.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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\BF040318\
Data File : BF104186.D
Acq On : 3 Apr 2018 18:26
Operator : JU/SJ
Sample : J2182-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-6-EW(2.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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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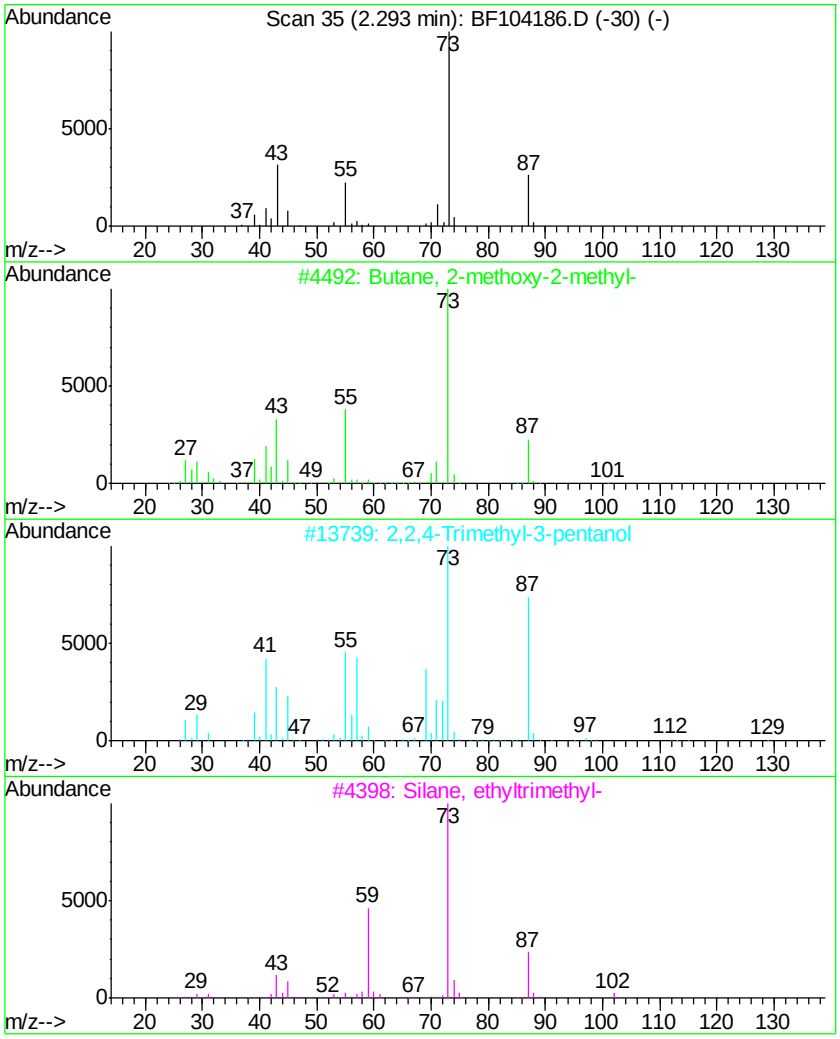
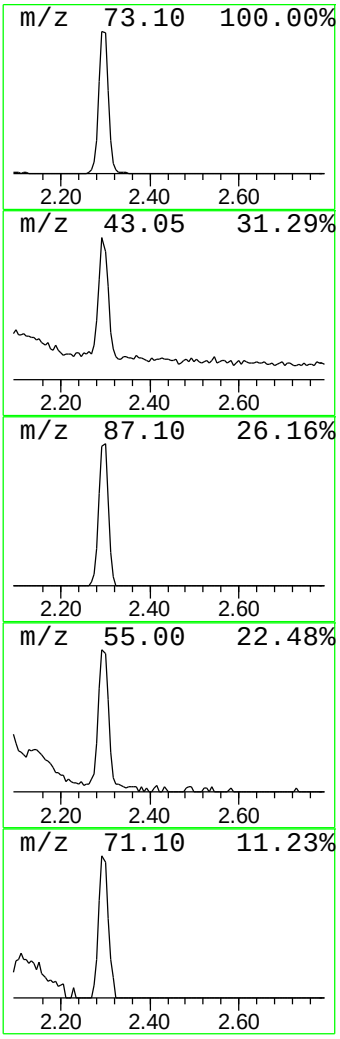
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.29	5.66 ng	164439	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	74
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Silane, ethyltrimethyl-	102	C5H14Si	003439-38-1	33
4	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	17
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104186.D
Acq On : 3 Apr 2018 18:26
Operator : JU/SJ
Sample : J2182-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-6-EW(2.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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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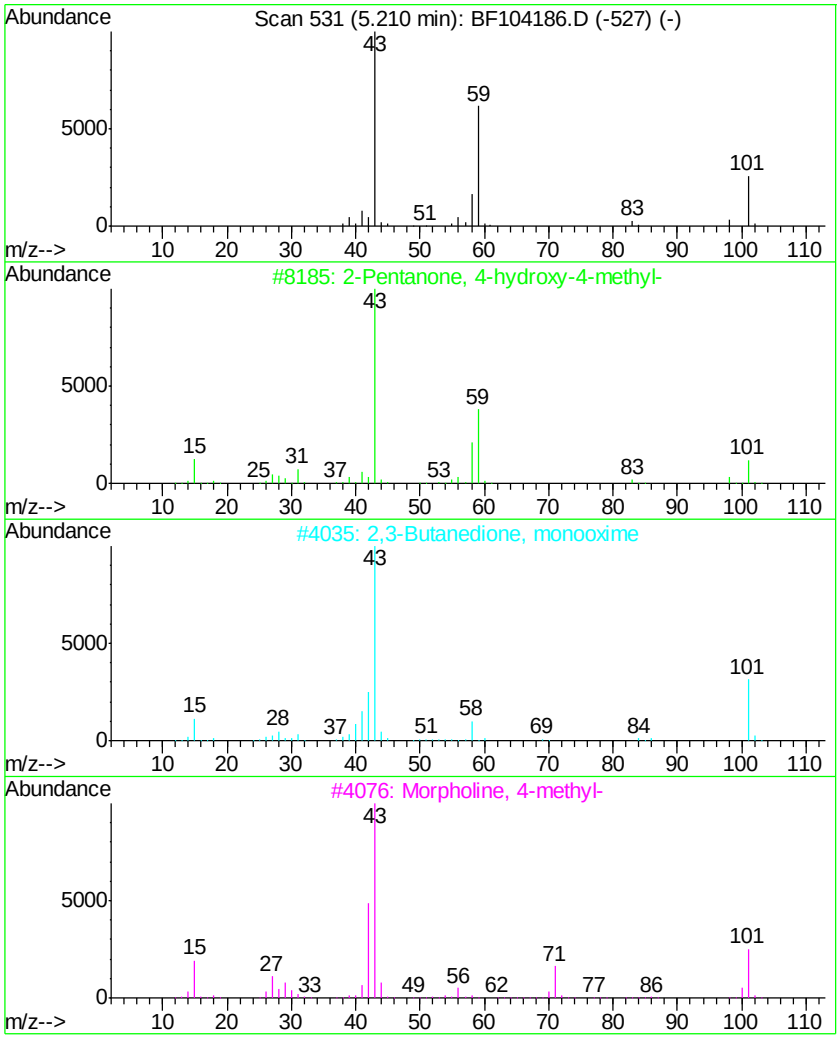
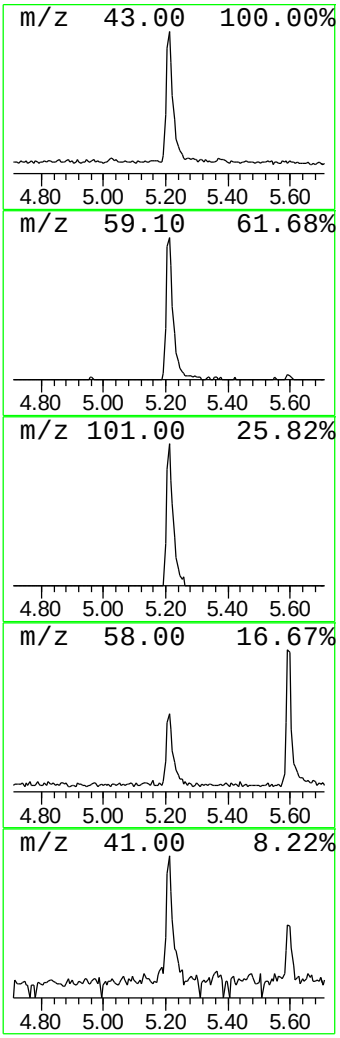
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.21	4.45 ng	129301	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Guanidine	59	CH5N3	000113-00-8	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104186.D
Acq On : 3 Apr 2018 18:26
Operator : JU/SJ
Sample : J2182-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-6-EW(2.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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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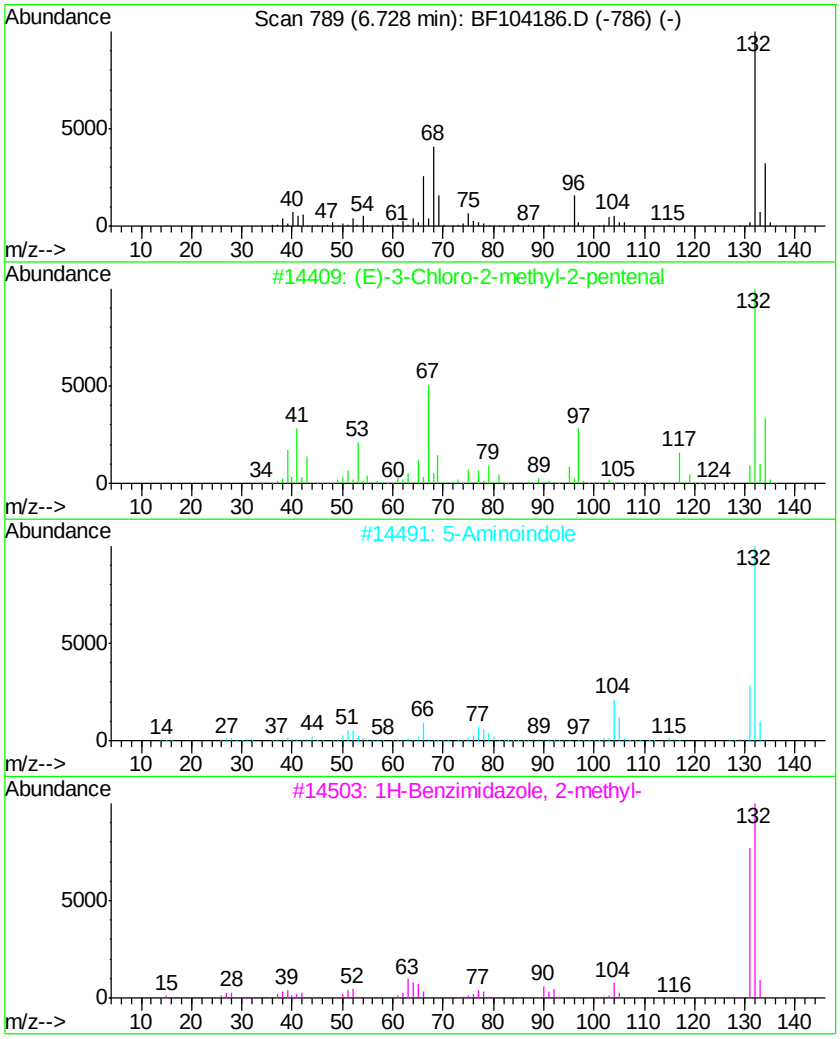
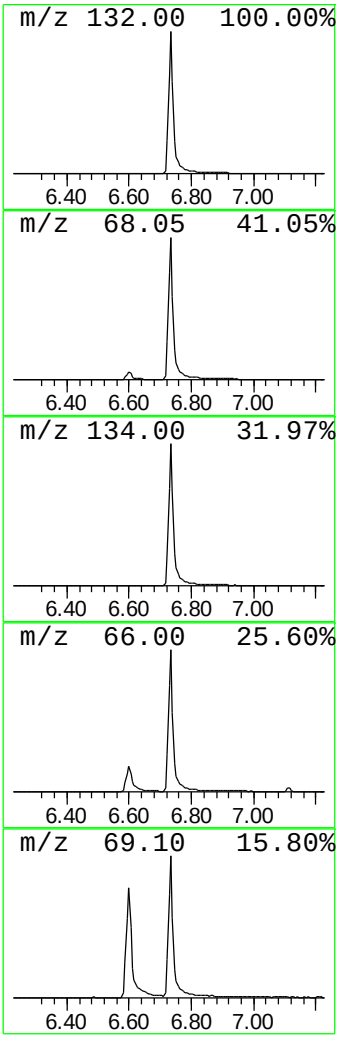
Peak Number 3 unknown6.73 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	108.07 ng	3138000	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
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Operator : JU/SJ
Sample : J2182-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-6-EW(2.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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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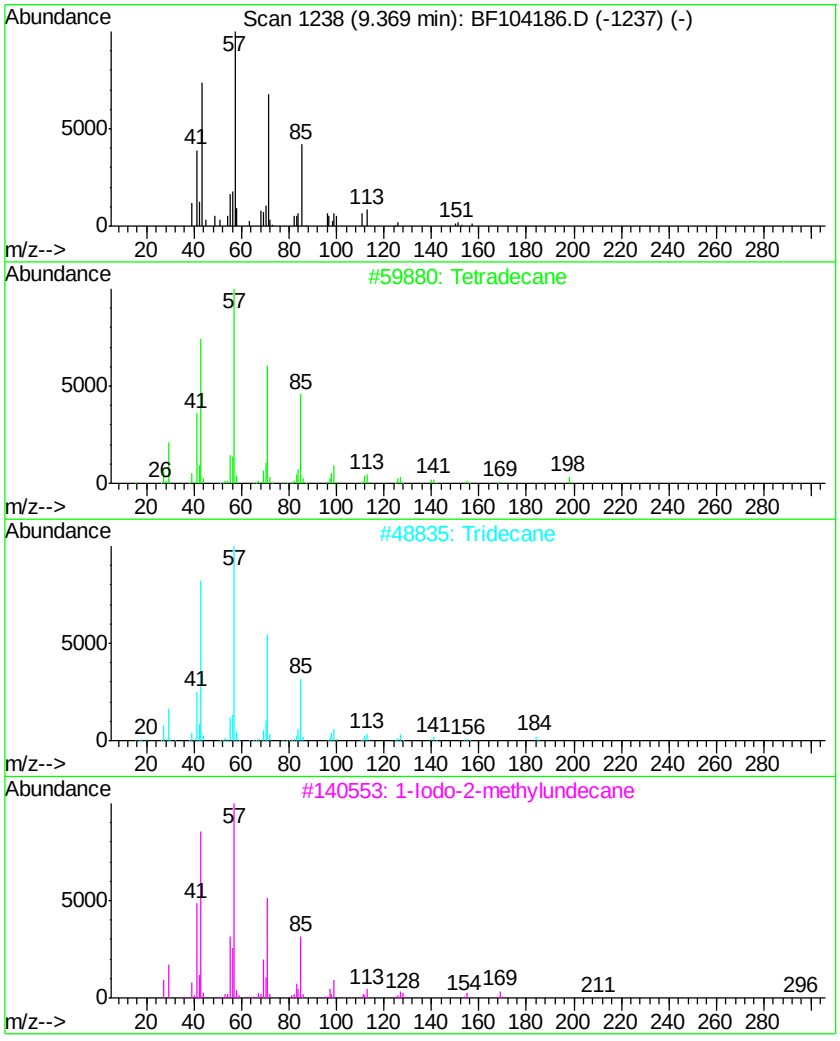
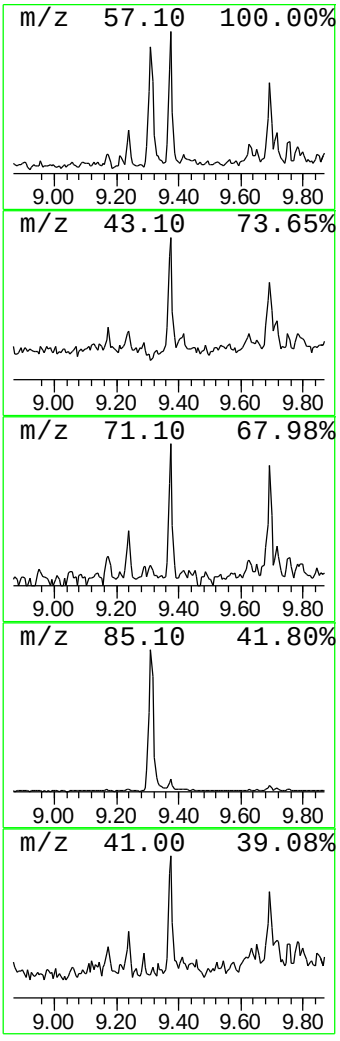
Peak Number 5 Tetradecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	2.01 ng	91799	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	86
2	Tridecane	184	C13H28	000629-50-5	78
3	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	78
4	Hexadecane	226	C16H34	000544-76-3	78
5	Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	59





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Operator : JU/SJ
Sample : J2182-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-6-EW(2.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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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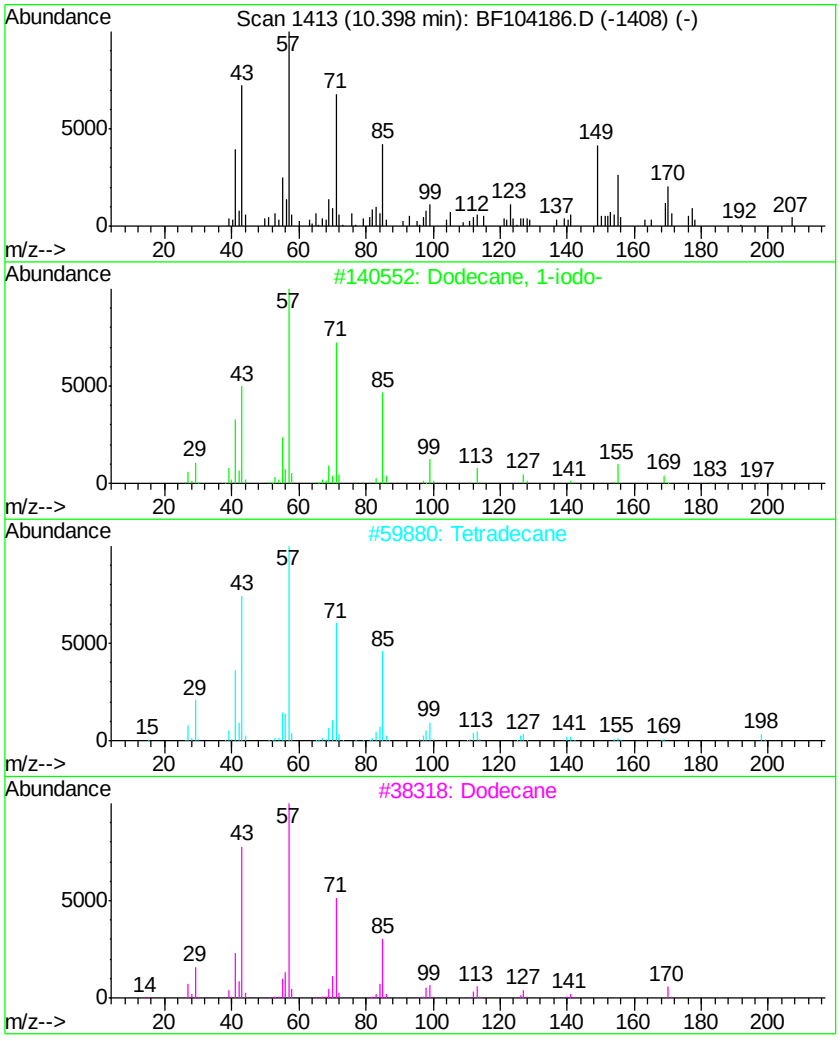
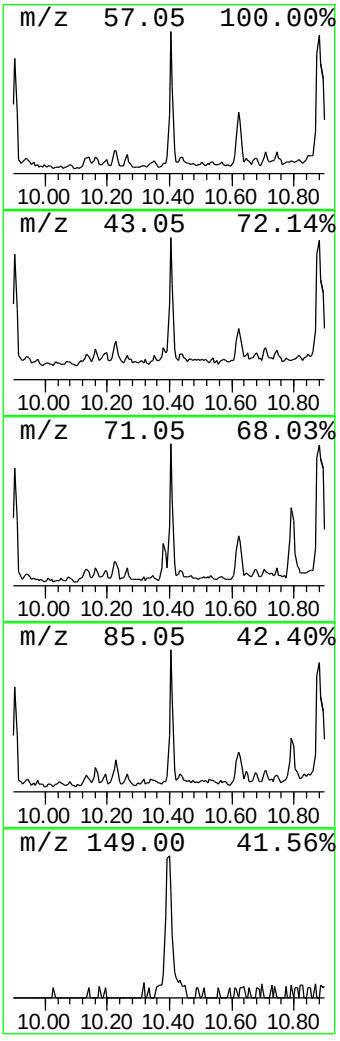
Peak Number 6 Dodecane, 1-iodo- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.40	3.19 ng	145434	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	83
2	Tetradecane	198	C14H30	000629-59-4	68
3	Dodecane	170	C12H26	000112-40-3	64
4	Tridecane	184	C13H28	000629-50-5	64
5	Hexadecane	226	C16H34	000544-76-3	64





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Sample : J2182-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-6-EW(2.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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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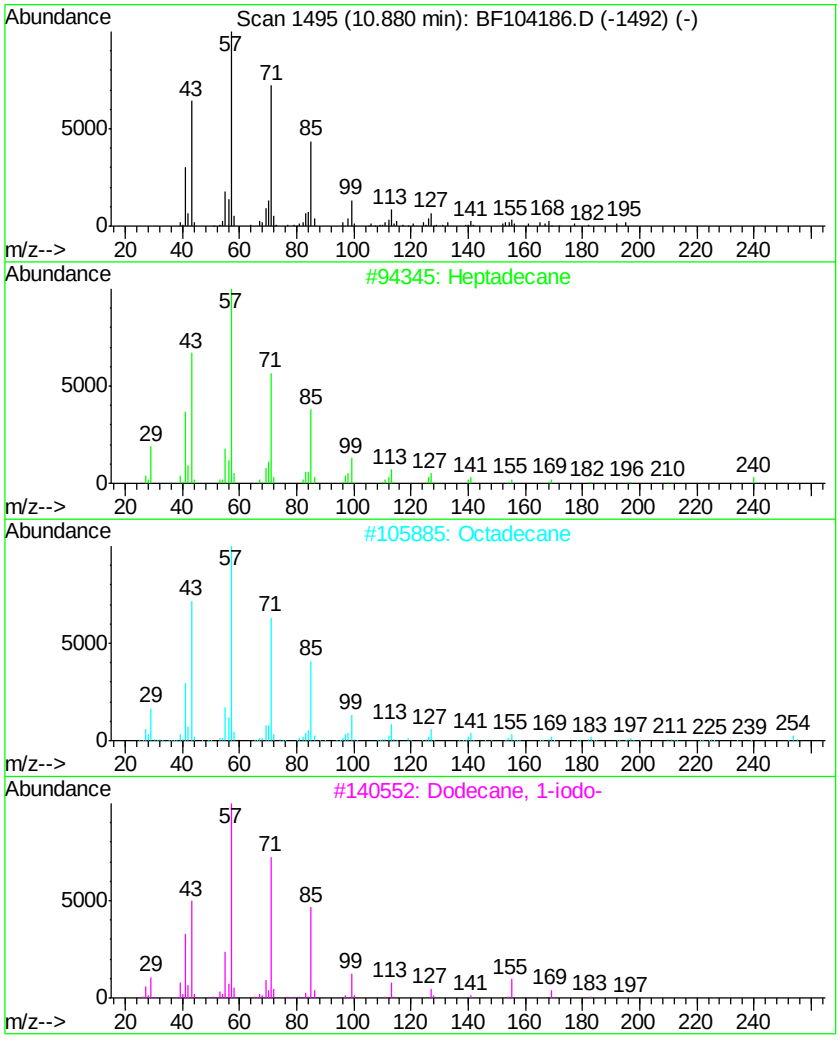
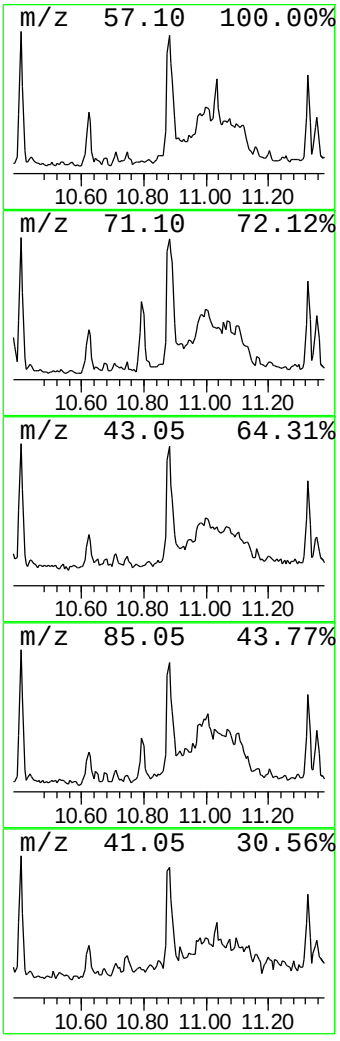
Peak Number 7 Heptadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.88	3.23 ng	148633	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	90
2	Octadecane	254	C18H38	000593-45-3	90
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
4	Heneicosane	296	C21H44	000629-94-7	86
5	Pentadecane	212	C15H32	000629-62-9	86





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Acq On : 3 Apr 2018 18:26
Operator : JU/SJ
Sample : J2182-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-6-EW(2.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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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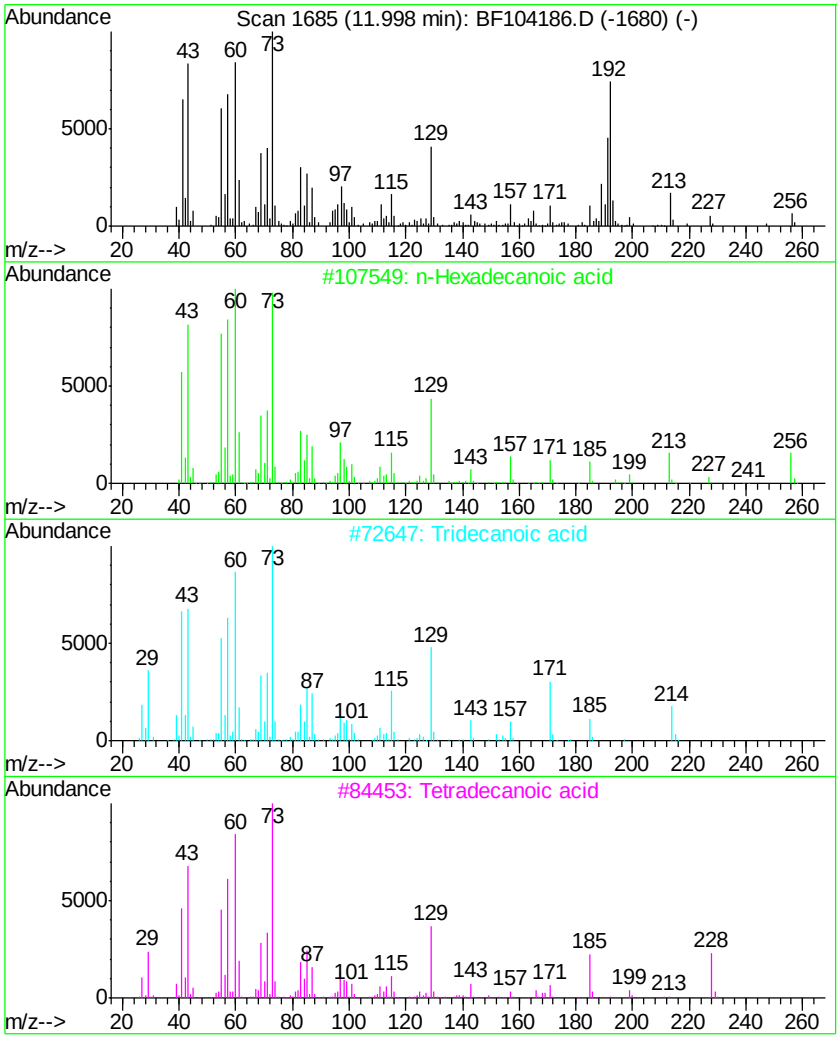
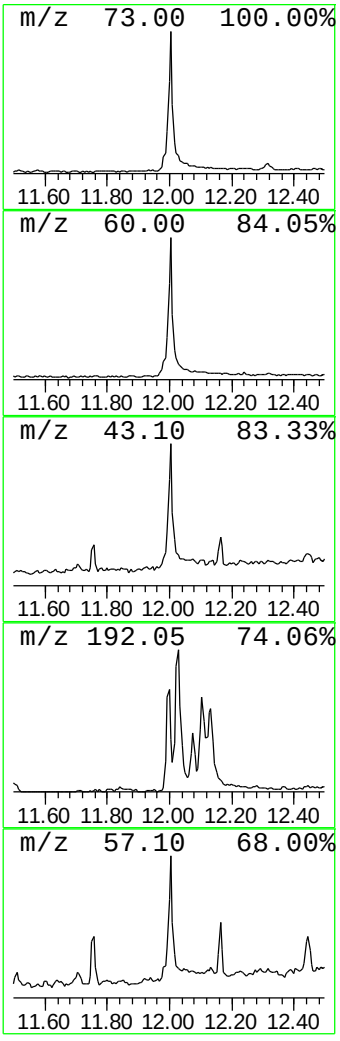
Peak Number 8 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	11.85 ng	545343	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	76
5	Dodecanoic acid	200	C12H24O2	000143-07-7	68





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104186.D
Acq On : 3 Apr 2018 18:26
Operator : JU/SJ
Sample : J2182-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-6-EW(2.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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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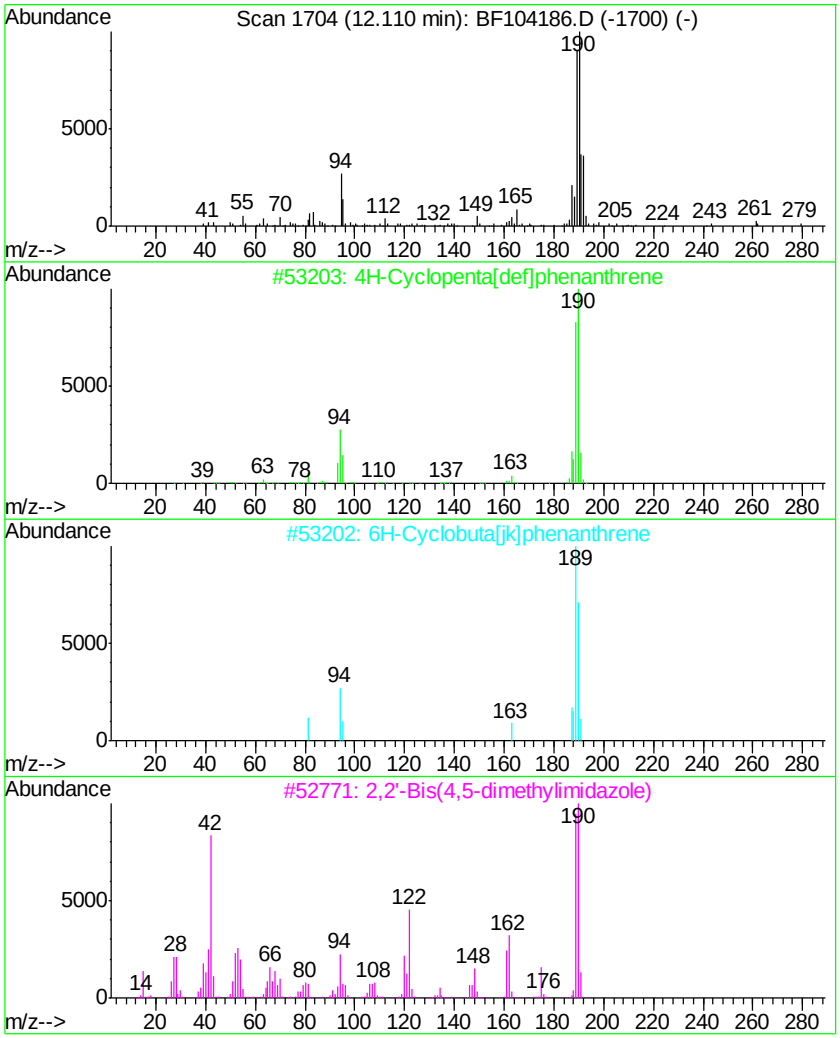
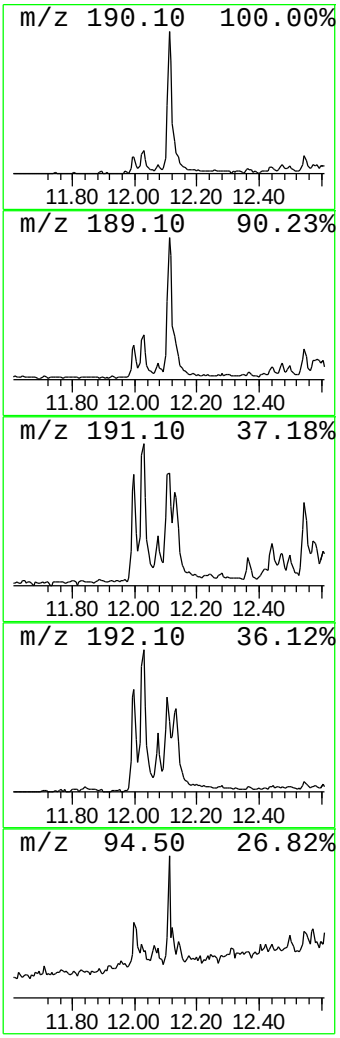
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	3.28 ng	150896	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	95
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
4	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	40
5	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	33





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Data File : BF104186.D
Acq On : 3 Apr 2018 18:26
Operator : JU/SJ
Sample : J2182-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-6-EW(2.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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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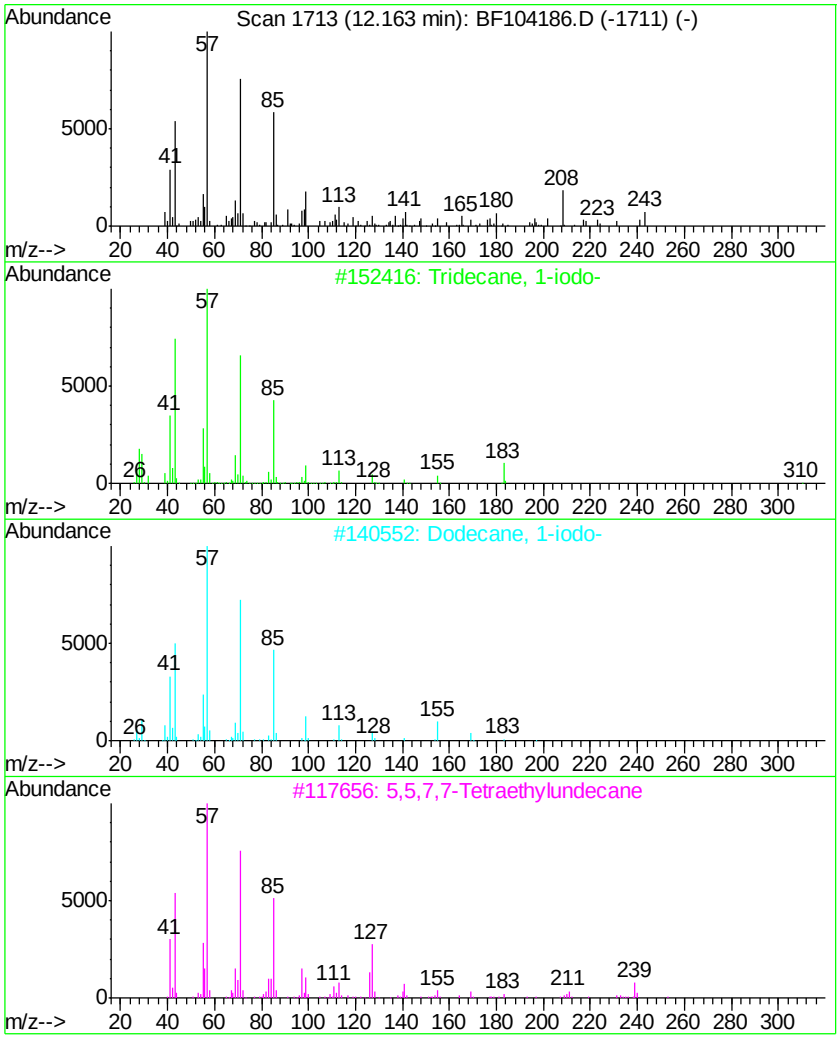
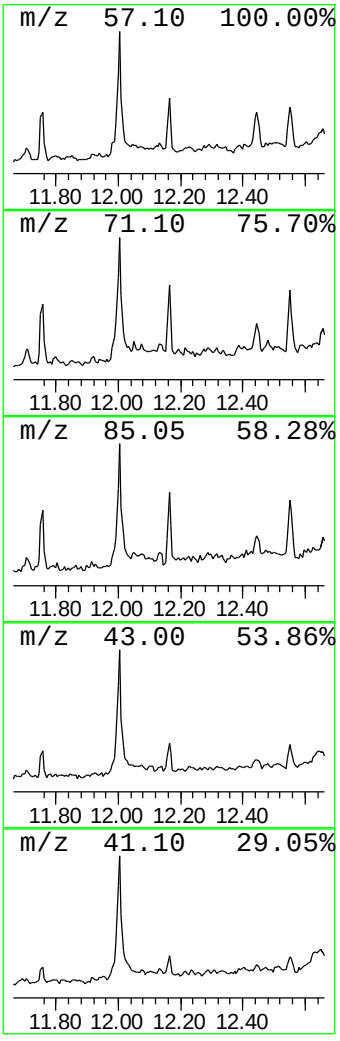
Peak Number 10 Tridecane, 1-iodo- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	2.09 ng	96159	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	80
2	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80
3	5,5,7,7-Tetraethylundecane	268	C19H40	1000360-42-0	72
4	2-methyloctacosane	408	C29H60	1000376-72-8	72
5	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	72





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Operator : JU/SJ
Sample : J2182-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-6-EW(2.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

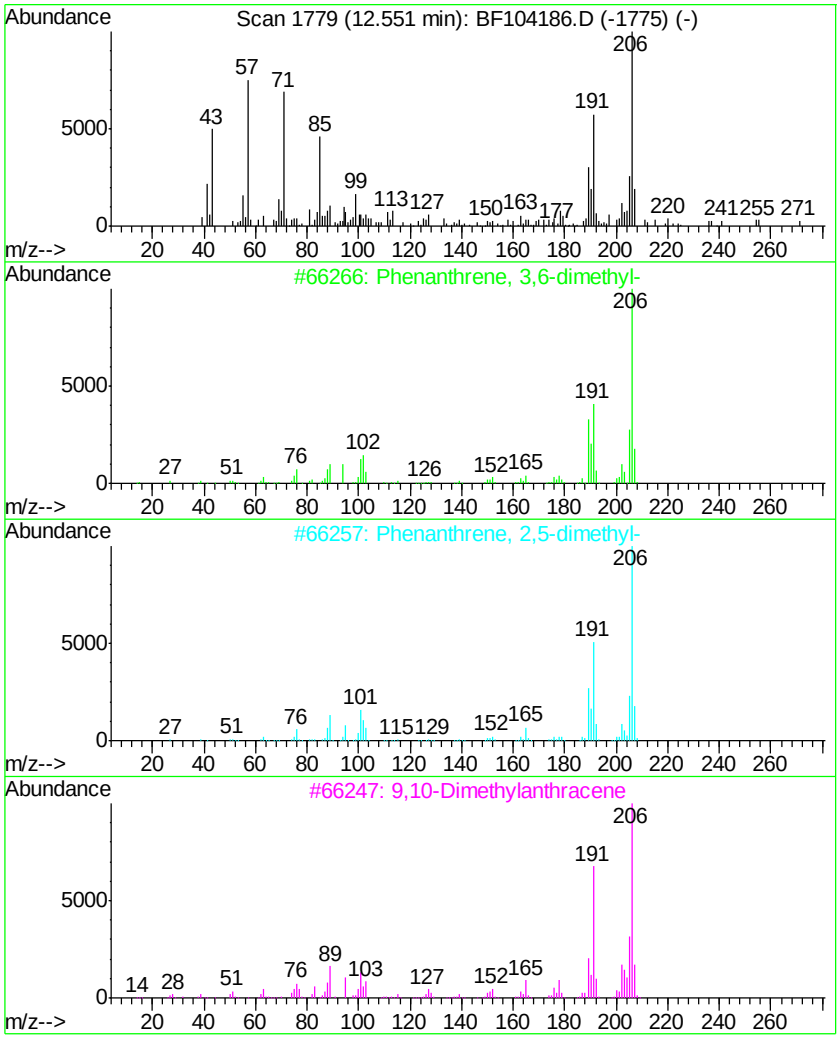
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

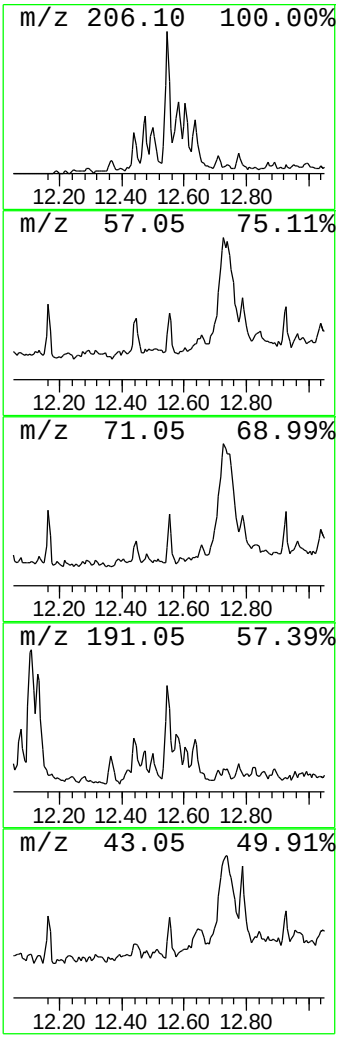
****

Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	2.60 ng	119718	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	78
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	60
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	60
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	50





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Acq On : 3 Apr 2018 18:26
Operator : JU/SJ
Sample : J2182-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-6-EW(2.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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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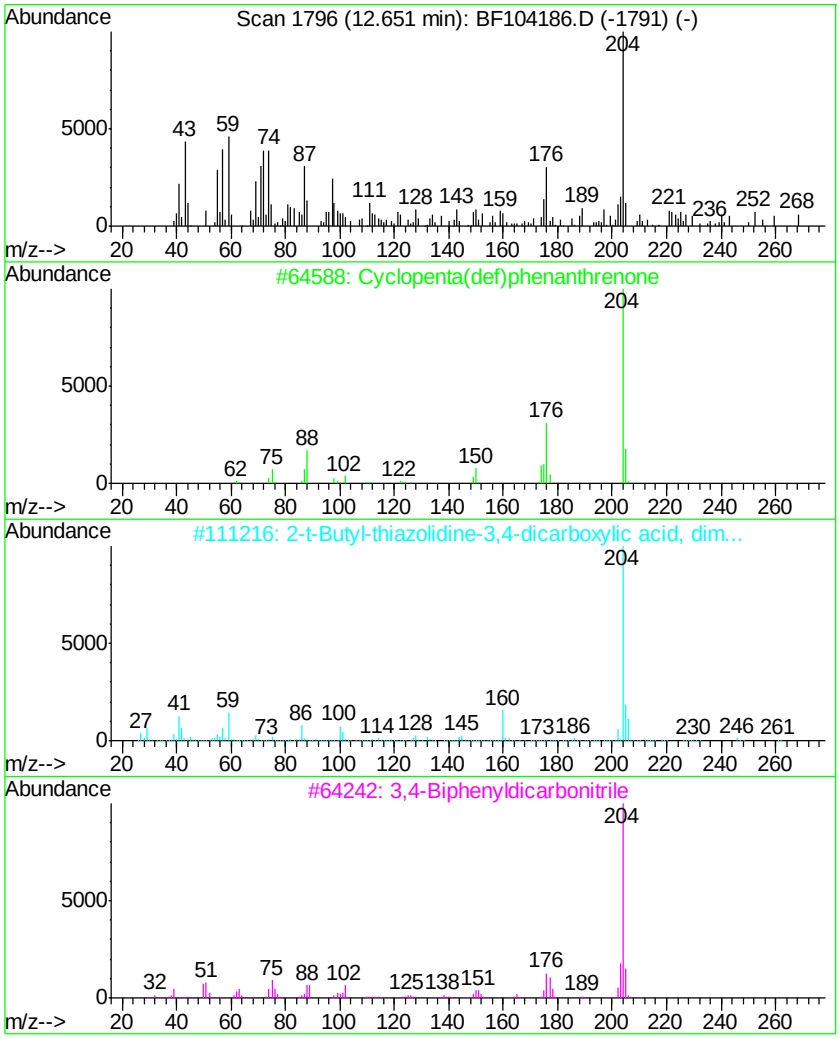
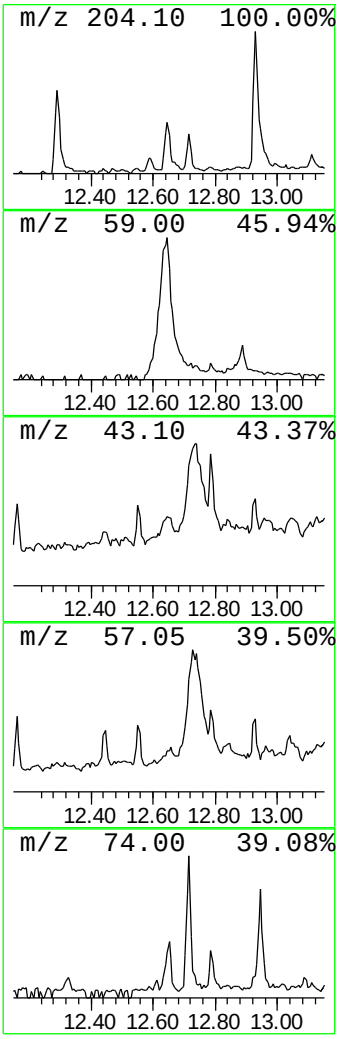
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	3.66 ng	168341	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	55
2	2-t-Butyl-thiazolidine-3,4-dicar...	261	C11H19NO4S	1000192-60-1	37
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	35
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	30
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	30





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Operator : JU/SJ
Sample : J2182-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-6-EW(2.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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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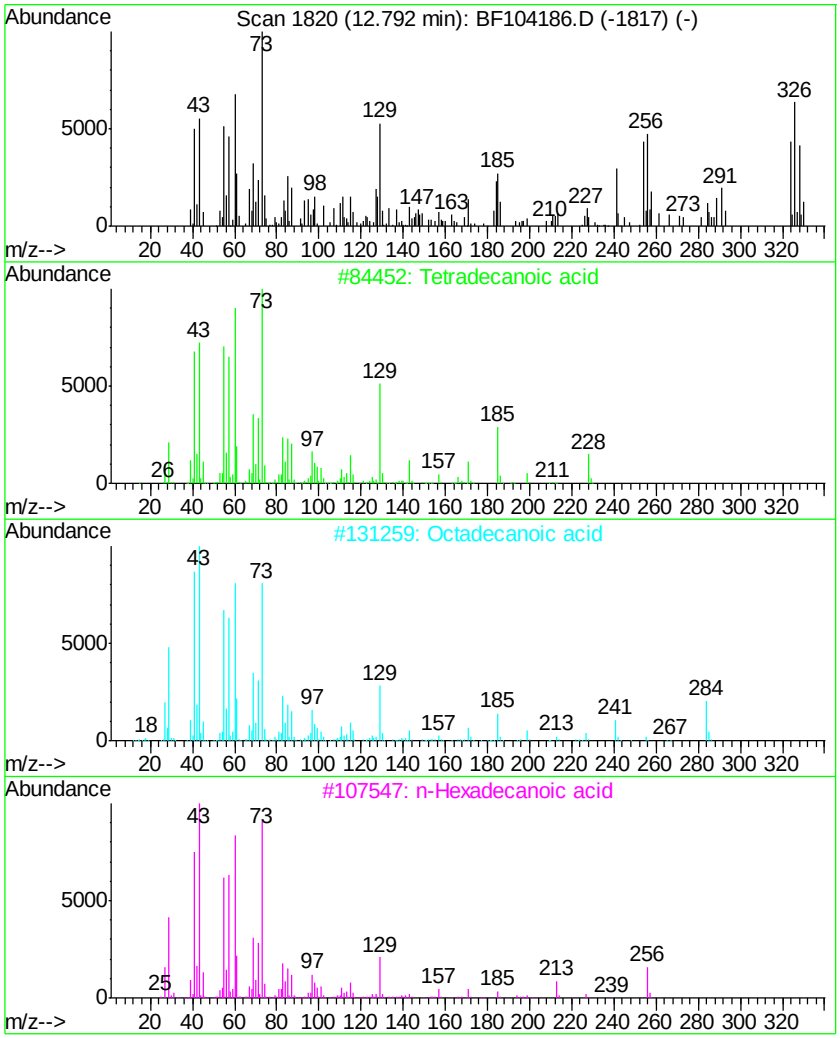
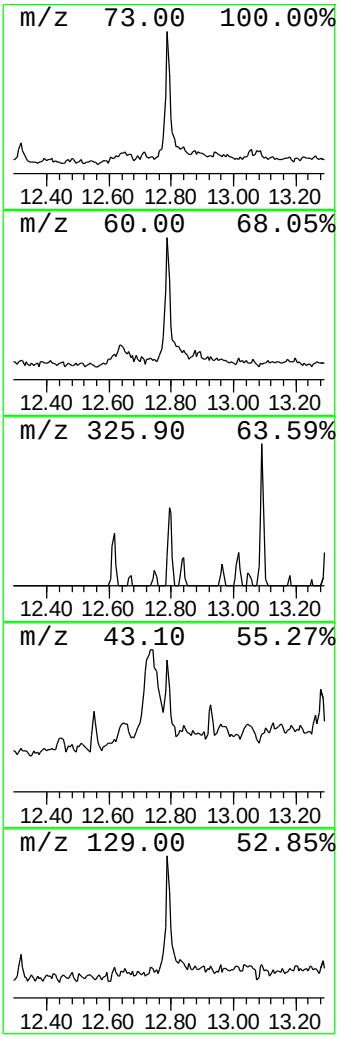
Peak Number 13 Tetradecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	3.94 ng	181133	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecanoic acid	228	C14H28O2	000544-63-8	86
2	Octadecanoic acid	284	C18H36O2	000057-11-4	64
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	60
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	45
5	11-Bromoundecanoic acid	264	C11H21BrO2	002834-05-1	43





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Acq On : 3 Apr 2018 18:26
Operator : JU/SJ
Sample : J2182-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-6-EW(2.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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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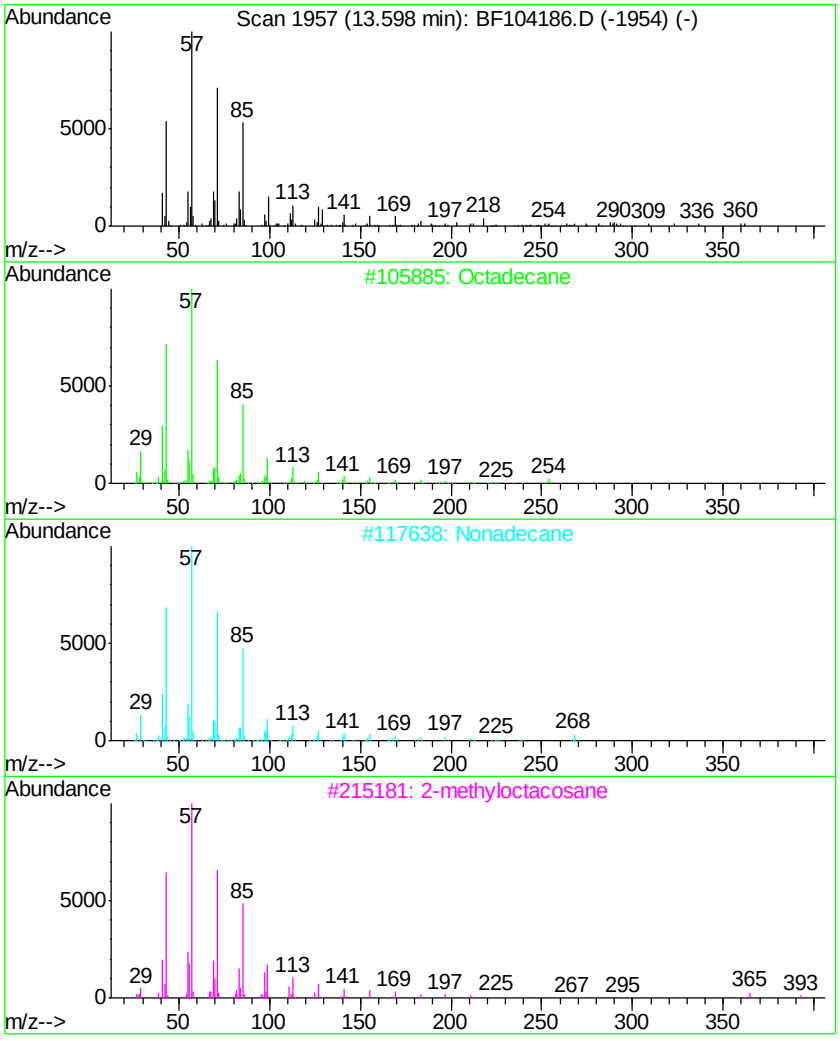
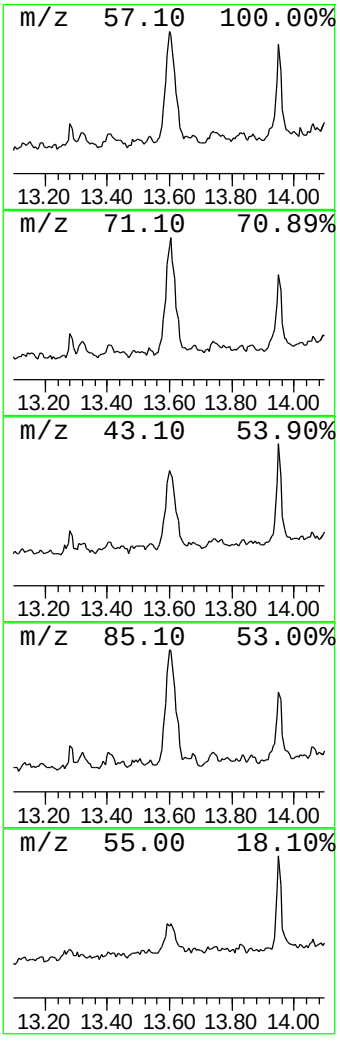
Peak Number 14 Octadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	6.76 ng	376792	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	93
2	Nonadecane	268	C19H40	000629-92-5	90
3	2-methyloctacosane	408	C29H60	1000376-72-8	87
4	Heptadecane	240	C17H36	000629-78-7	87
5	Pentadecane	212	C15H32	000629-62-9	87





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Acq On : 3 Apr 2018 18:26
Operator : JU/SJ
Sample : J2182-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-6-EW(2.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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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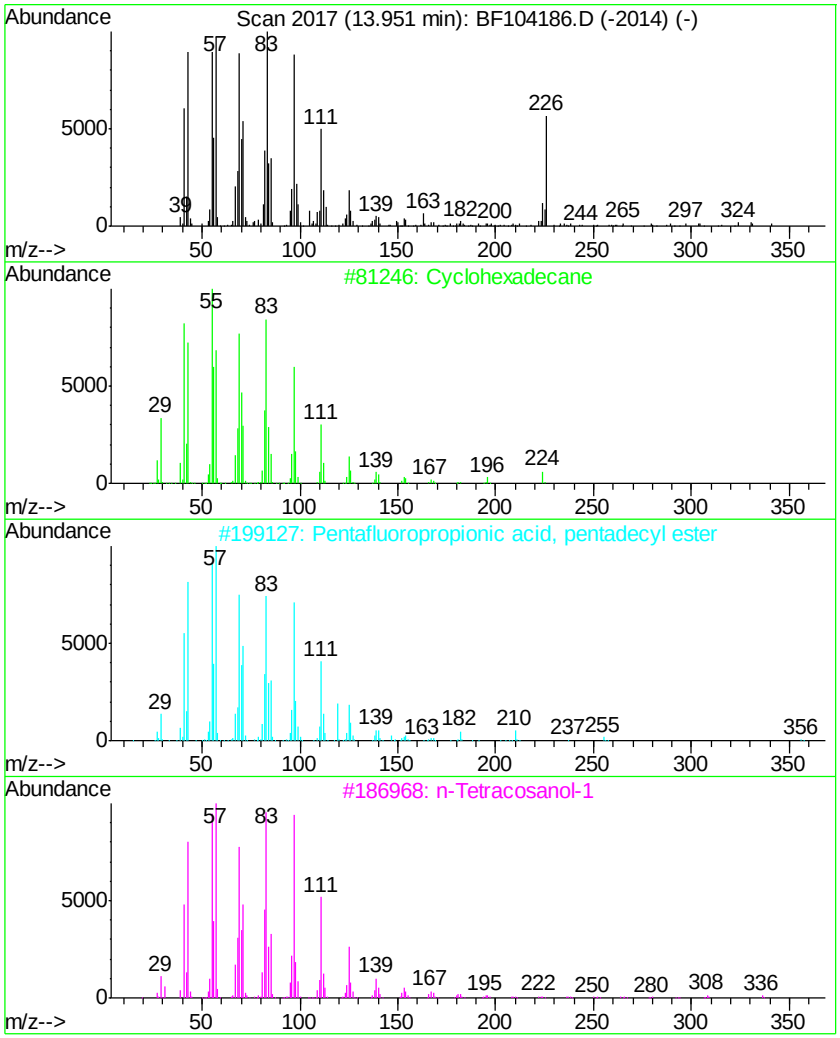
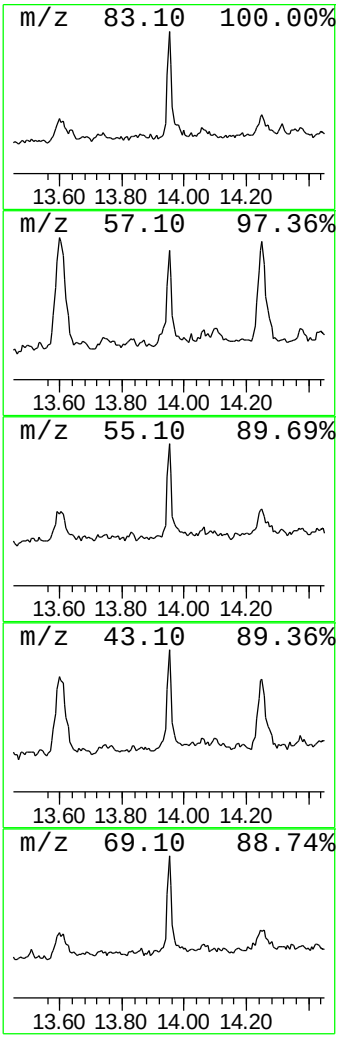
Peak Number 15 Cyclohexadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	7.14 ng	398359	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	94
2	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	91
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	91
4	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	91
5	Tetradecyl trifluoroacetate	310	C16H29F3O2	006222-02-2	91





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Acq On : 3 Apr 2018 18:26
Operator : JU/SJ
Sample : J2182-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-6-EW(2.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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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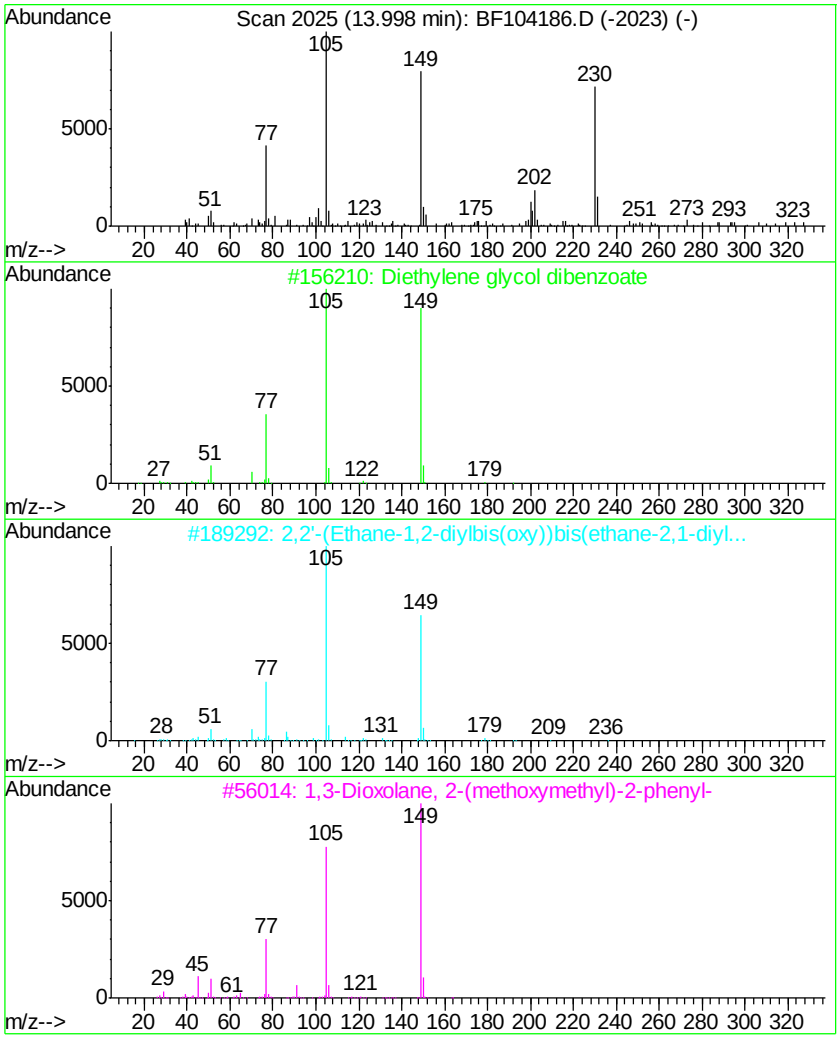
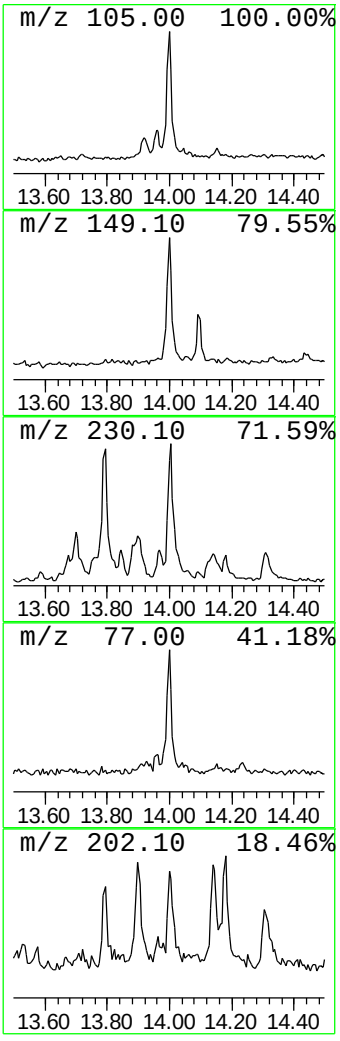
Peak Number 16 Diethylene glycol dibenzoate Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.00	2.45 ng	136413	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethylene glycol dibenzoate	314	C18H18O5	000120-55-8	50
2	2,2'-(Ethane-1,2-diylbis(oxy))bi...	358	C20H22O6	1000366-99-4	50
3	1,3-Dioxolane, 2-(methoxymethyl)...	194	C11H14O3	1000156-71-2	50
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	38
5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	38





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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-6-EW(2.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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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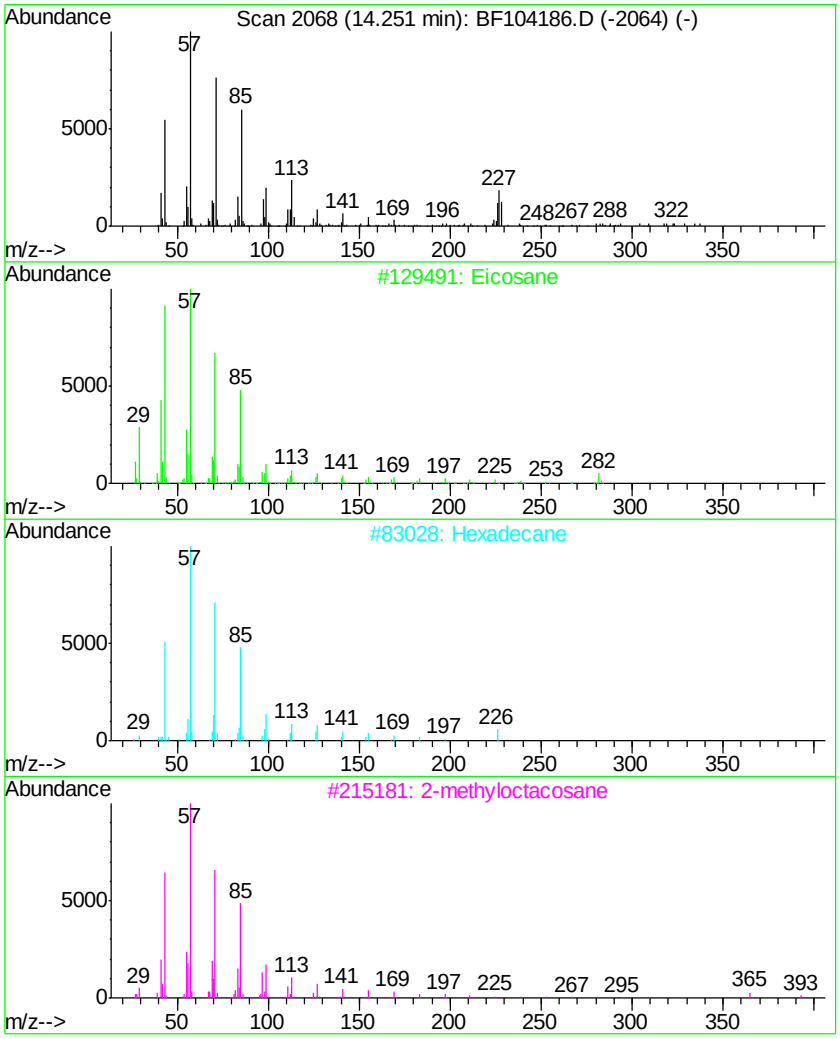
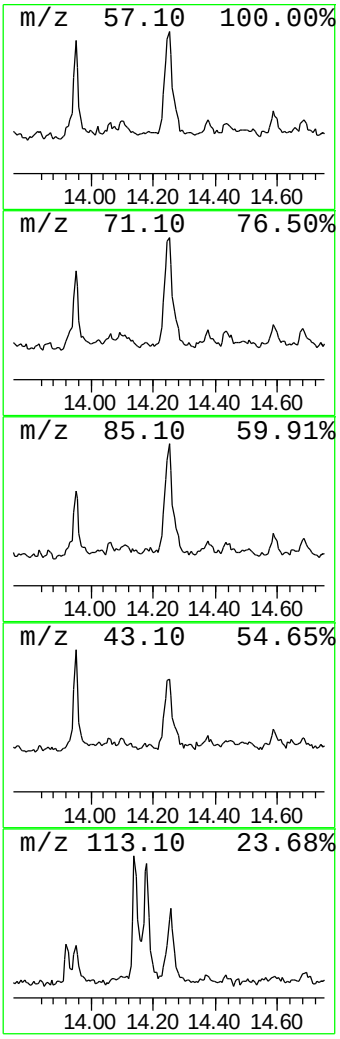
Peak Number 17 Eicosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	7.08 ng	394877	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	70
2	Hexadecane	226	C16H34	000544-76-3	70
3	2-methyloctacosane	408	C29H60	1000376-72-8	68
4	Triacontane	422	C30H62	000638-68-6	64
5	Pentacosane	352	C25H52	000629-99-2	64





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Sample : J2182-12
Misc :
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Instrument : BNA_F
ClientSampleId : 6-WM-DIP-6-EW(2.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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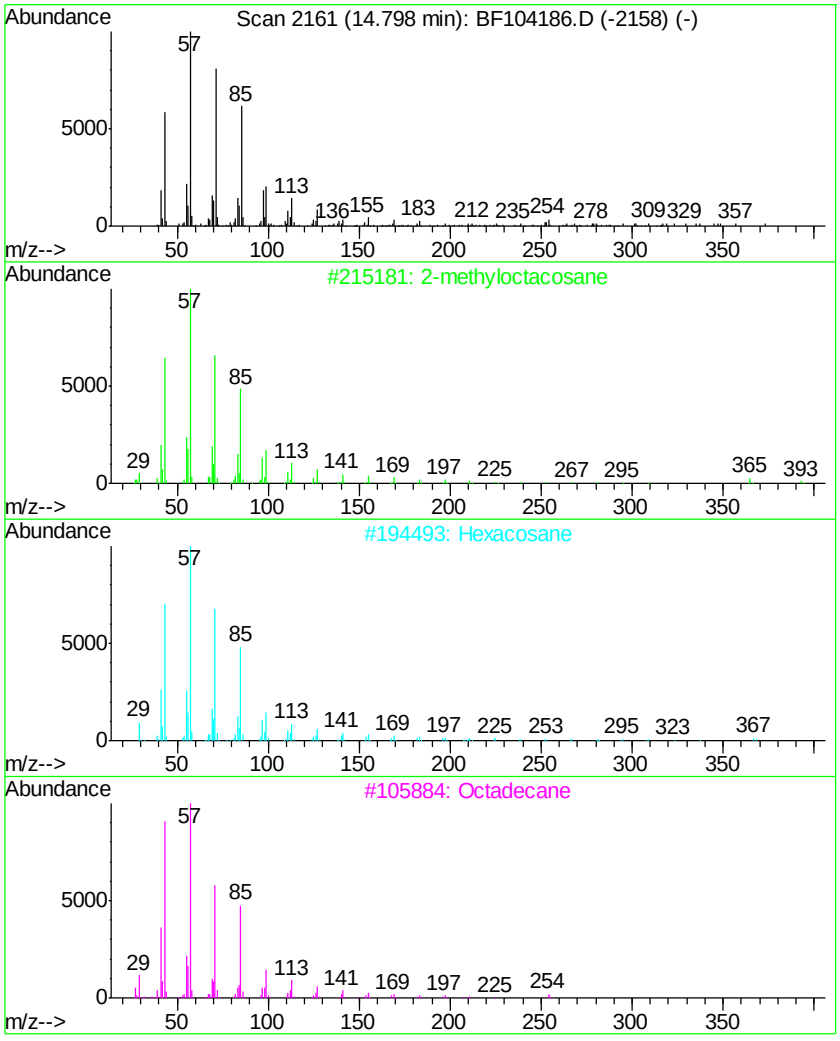
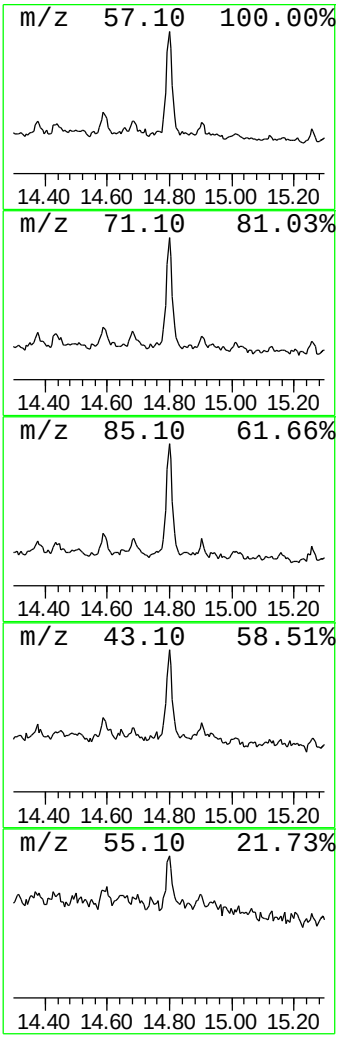
Peak Number 18 2-methyloctacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	4.48 ng	250087	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-methyloctacosane	408	C29H60	1000376-72-8	91
2	Hexacosane	366	C26H54	000630-01-3	91
3	Octadecane	254	C18H38	000593-45-3	90
4	Pentacosane	352	C25H52	000629-99-2	90
5	6,6-Diethylhexadecane	282	C20H42	1000360-41-4	87





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Acq On : 3 Apr 2018 18:26
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Sample : J2182-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-6-EW(2.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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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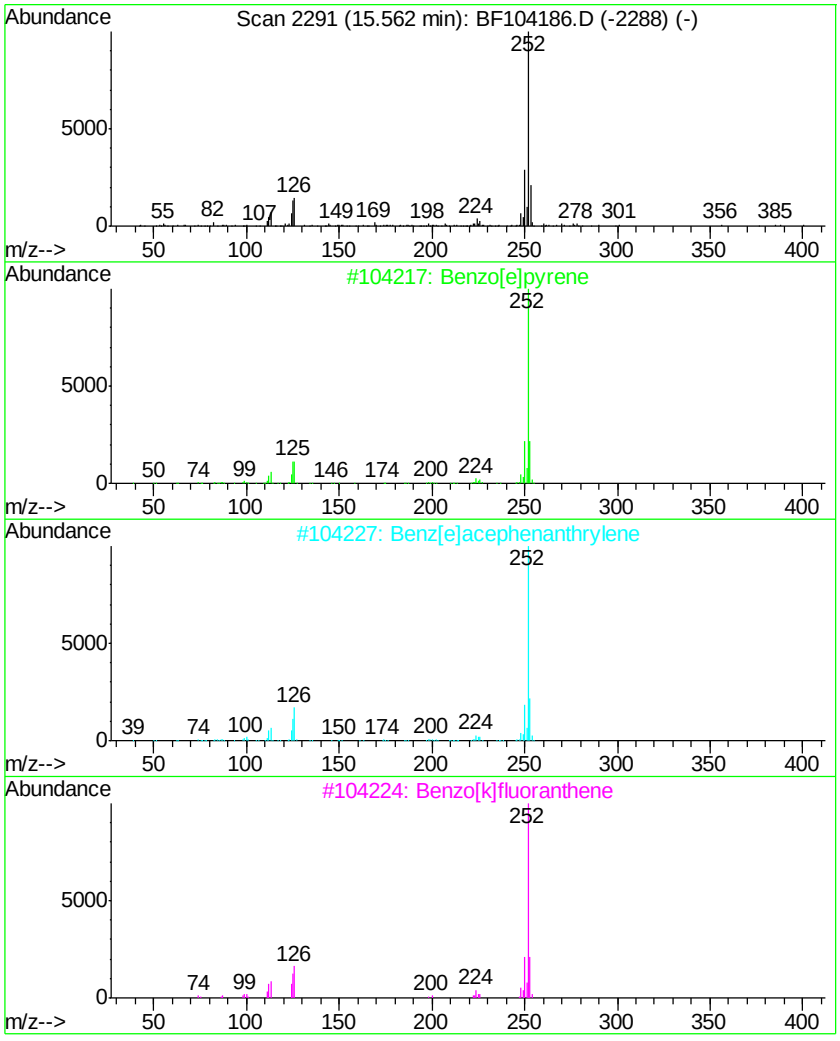
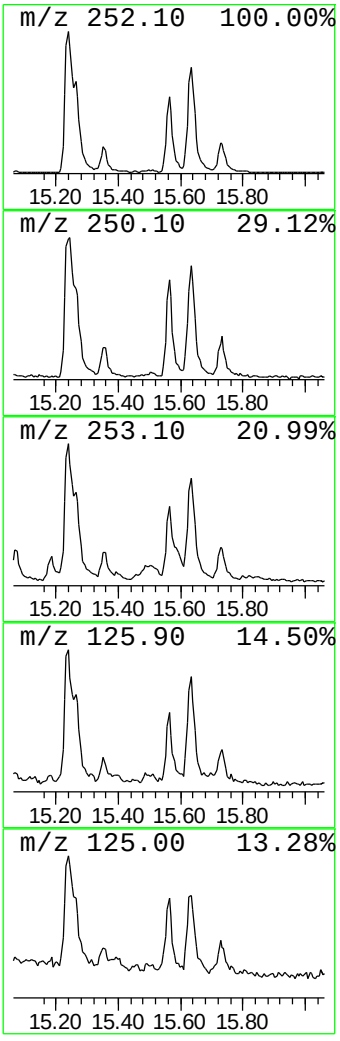
Peak Number 19 Benzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	4.22 ng	143972	Perylene-d12	15.70

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040318\
Data File : BF104186.D
Acq On : 3 Apr 2018 18:26
Operator : JU/SJ
Sample : J2182-12
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-6-EW(2.5-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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
Butane, 2-methoxy...	2.29	5.7	ng	164439	1	6.96	580742	20.0
2-Pentanone, 4-hy...	5.21	4.5	ng	129301	1	6.96	580742	20.0
unknown6.73	6.73	108.1	ng	3138000	1	6.96	580742	20.0
Tetradecane	9.37	2.0	ng	91799	3	10.00	912697	20.0
Dodecane, 1-iodo-	10.40	3.2	ng	145434	3	10.00	912697	20.0
Heptadecane	10.88	3.2	ng	148633	4	11.49	920127	20.0
n-Hexadecanoic acid	12.00	11.9	ng	545343	4	11.49	920127	20.0
4H-Cyclopenta[def...	12.11	3.3	ng	150896	4	11.49	920127	20.0
Tridecane, 1-iodo-	12.16	2.1	ng	96159	4	11.49	920127	20.0
Phenanthrene, 3,6...	12.55	2.6	ng	119718	4	11.49	920127	20.0
Cyclopenta(def)ph...	12.65	3.7	ng	168341	4	11.49	920127	20.0
Tetradecanoic acid	12.79	3.9	ng	181133	4	11.49	920127	20.0
Octadecane	13.60	6.8	ng	376792	5	14.15	1115380	20.0
Cyclohexadecane	13.95	7.1	ng	398359	5	14.15	1115380	20.0
Diethylene glycol...	14.00	2.5	ng	136413	5	14.15	1115380	20.0
Eicosane	14.25	7.1	ng	394877	5	14.15	1115380	20.0
2-methyloctacosane	14.80	4.5	ng	250087	5	14.15	1115380	20.0
Benzo[e]pyrene	15.56	4.2	ng	143972	6	15.70	682136	20.0