LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104197.D
Acq On : 3 Apr 2018 23:16
Operator : JU/SJ
Sample : J2182-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-7-EW(1-5)

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	29	35	43	rVB	119997	163072	5.05%	0.452%
2	3.552	243	249	258	rBV	25431	48171	1.49%	0.134%
3	5.204	527	530	543	rVB	79494	130542	4.04%	0.362%
4	5.593	592	596	622	rBV	1966652	2604153	80.58%	7.224%
5	6.598	763	767	786	rBV	1947426	2856895	88.40%	7.925%
6	6.734	786	790	816	rVB	2463776	3061747	94.74%	8.493%
7	6.957	825	828	848	rBV	472307	671302	20.77%	1.862%
8	7.110	851	854	878	rVB	1983200	2286928	70.76%	6.344%
9	7.528	921	925	947	rBV	1191582	1855841	57.42%	5.148%
10	7.675	947	950	955	rVB	31088	35398	1.10%	0.098%
11	8.239	1042	1046	1064	rBV	828732	1019683	31.55%	2.828%
12	8.810	1137	1143	1147	rBV3	40242	54011	1.67%	0.150%
13	8.957	1164	1168	1173	rBV	24261	37658	1.17%	0.104%
14	9.051	1177	1184	1189	rBV2	49572	72926	2.26%	0.202%
15	9.310	1224	1228	1236	rBV	2891082	3231864	100.00%	8.965%
16	9.375	1236	1239	1243	rVV	109982	148603	4.60%	0.412%
17	9.410	1243	1245	1250	rVB4	26424	40026	1.24%	0.111%
18	9.586	1268	1275	1278	rBV8	22225	39744	1.23%	0.110%
19	9.651	1283	1286	1289	rVV	50293	56058	1.73%	0.155%
20	9.704	1289	1295	1301	rVV	237131	328470	10.16%	0.911%
21	9.775	1305	1307	1313	rVB6	26520	46834	1.45%	0.130%
22	9.851	1317	1320	1326	rBV3	25670	42641	1.32%	0.118%
23	9.904	1326	1329	1333	rVB	158056	125876	3.89%	0.349%
24	9.998	1341	1345	1348	rBV	1076957	1019986	31.56%	2.829%
25	10.028	1348	1350	1357	rVB	162293	176331	5.46%	0.489%
26	10.192	1375	1378	1379	rBV	43569	41078	1.27%	0.114%
27	10.310	1395	1398	1401	rBV3	41271	60674	1.88%	0.168%
28	10.381	1407	1410	1411	rBV	47445	36891	1.14%	0.102%
29	10.404	1411	1414	1417	rVB	189100	157716	4.88%	0.437%
30	10.551	1434	1439	1444	rBV	107413	160276	4.96%	0.445%
31	10.628	1447	1452	1454	rVV4	75258	105126	3.25%	0.292%
32	10.704	1463	1465	1468	rVB	38265	34391	1.06%	0.095%
33	10.798	1476	1481	1492	rBV	1507488	2093199	64.77%	5.806%
34	10.880	1492	1495	1505	rVB2	191811	354956	10.98%	0.985%

LSC Area Percent Report

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Data File : BF104197.D
Acq On : 3 Apr 2018 23:16
Operator : JU/SJ
Sample : J2182-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-7-EW(1-5)

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	11.033	1517	1521	1523	rBV2	36808	53212	1.65%	0.148%
36	11.139	1535	1539	1542	rBV5	53826	85901	2.66%	0.238%
37	11.328	1569	1571	1573	rBV	114921	97331	3.01%	0.270%
38	11.498	1596	1600	1602	rBV	814067	949692	29.39%	2.634%
39	11.522	1602	1604	1610	rVV	1159521	1123488	34.76%	3.116%
40	11.575	1610	1613	1617	rVV	231927	255268	7.90%	0.708%
41	11.998	1682	1685	1687	rBV2	256250	269483	8.34%	0.748%
42	12.027	1687	1690	1694	rVB2	216528	330789	10.24%	0.918%
43	12.110	1701	1704	1707	rBV2	252295	318495	9.85%	0.883%
44	12.551	1776	1779	1781	rBV2	167134	193858	6.00%	0.538%
45	12.722	1804	1808	1816	rBV	1485769	1750941	54.18%	4.857%
46	12.951	1841	1847	1853	rBV	1308142	1775833	54.95%	4.926%
47	13.080	1865	1869	1877	rBV	1878520	2266093	70.12%	6.286%
48	13.957	2016	2018	2024	rVB3	256577	272428	8.43%	0.756%
49	14.157	2047	2052	2055	rBV2	750689	1314932	40.69%	3.647%
50	14.186	2055	2057	2064	rVB	595062	617017	19.09%	1.712%
51	15.251	2235	2238	2241	rBV	354957	569758	17.63%	1.580%
52	16.886	2512	2516	2529	rVB	300829	606970	18.78%	1.684%

Sum of corrected areas: 36050556

LSC Report - Integrated Chromatogram

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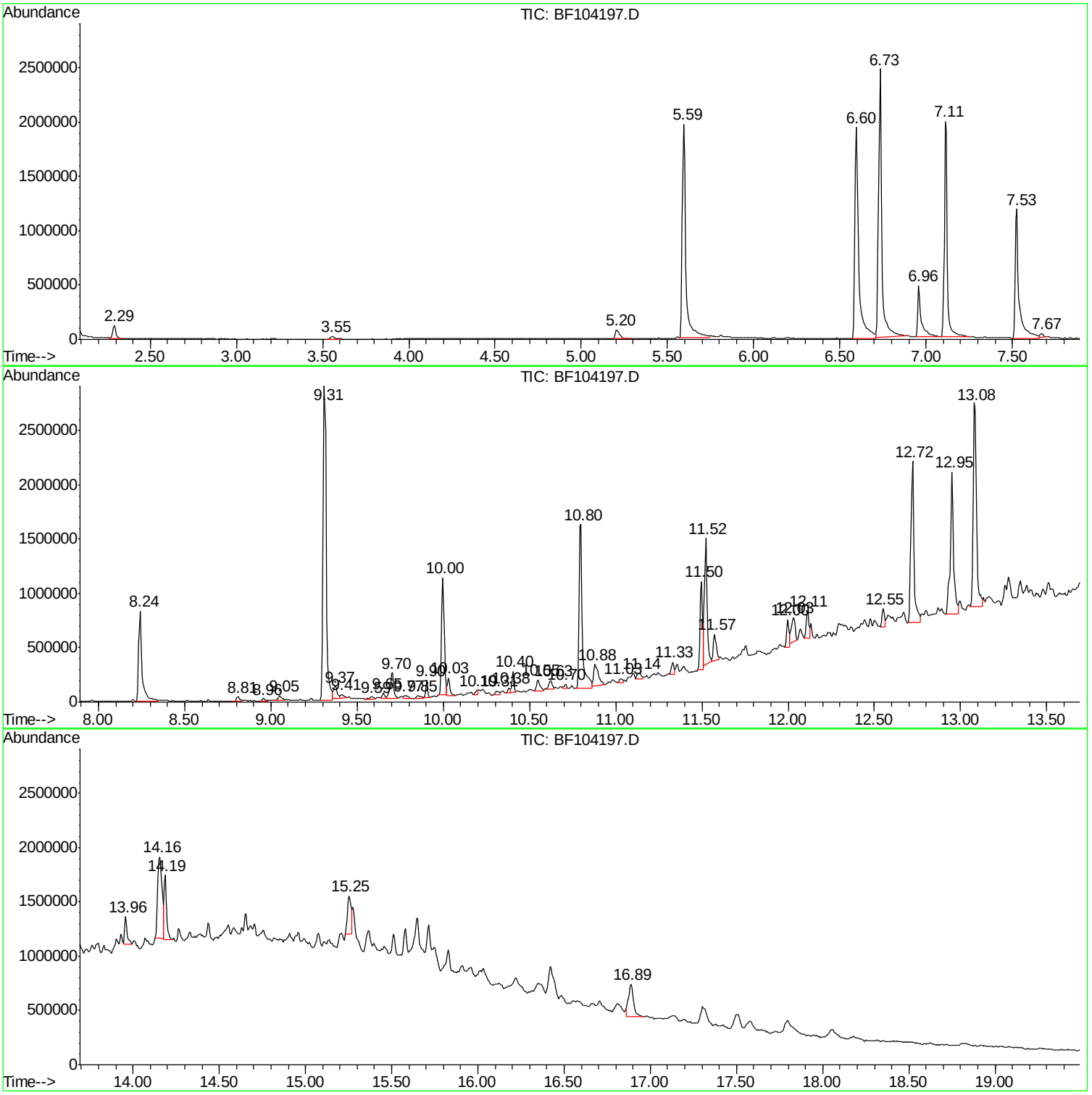
Sample : J2182-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-7-EW(1-5)

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 : BF104197.D
Acq On : 3 Apr 2018 23:16
Operator : JU/SJ
Sample : J2182-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-7-EW(1-5)

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

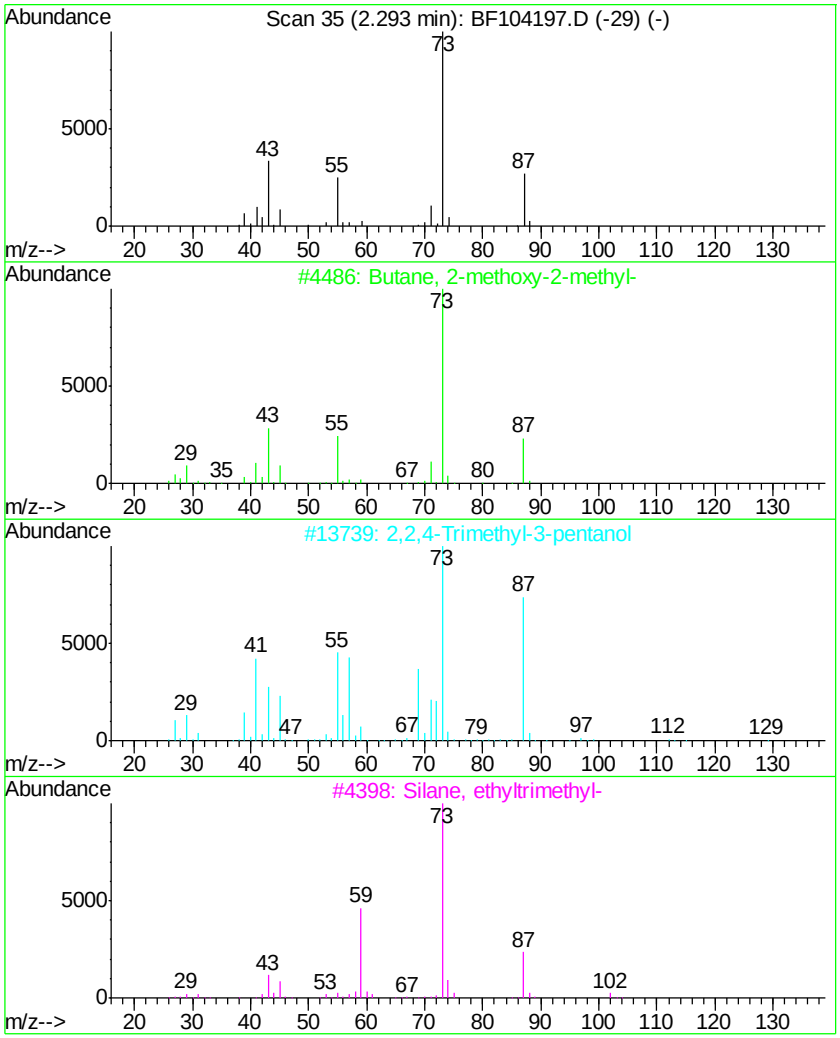
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

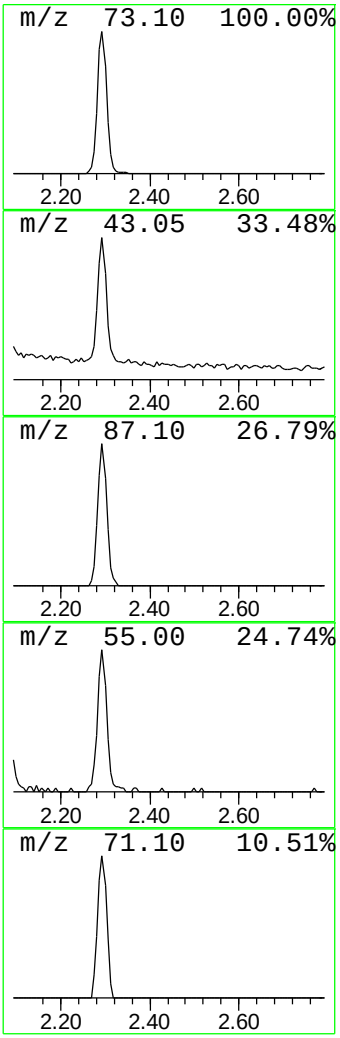
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.29	4.86 ng	163072	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	86
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Silane, ethyltrimethyl-	102	C5H14Si	003439-38-1	33
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	17





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Sample : J2182-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-7-EW(1-5)

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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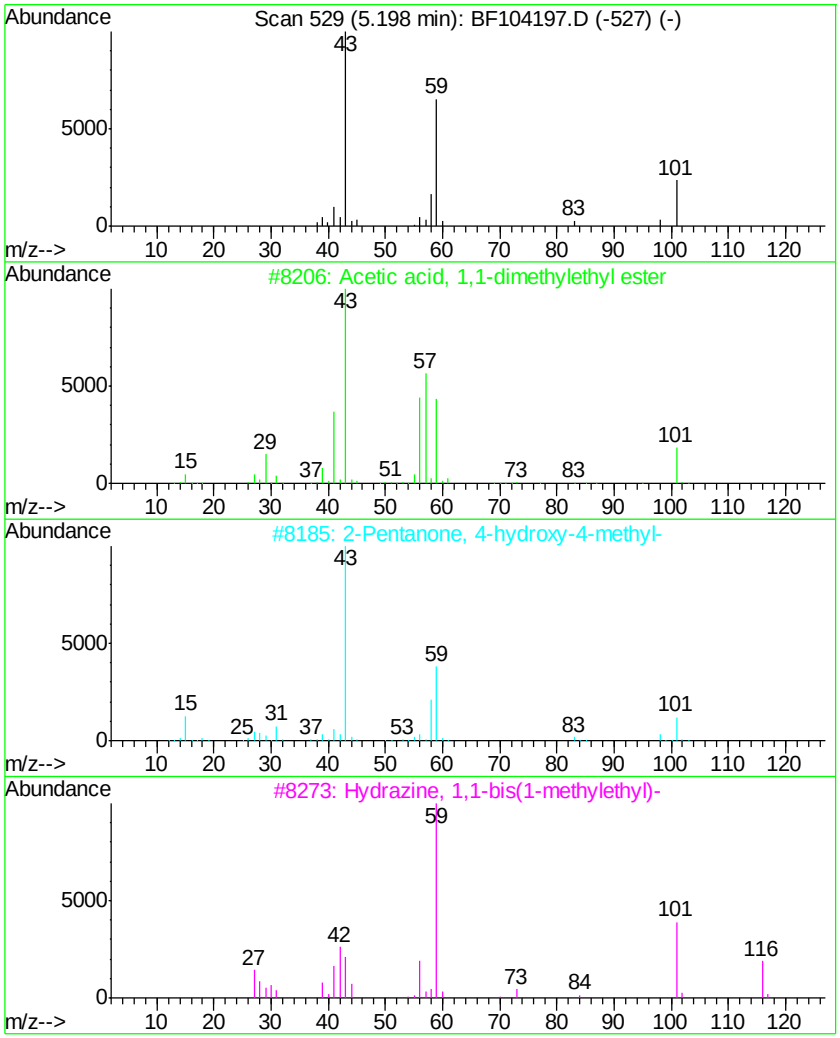
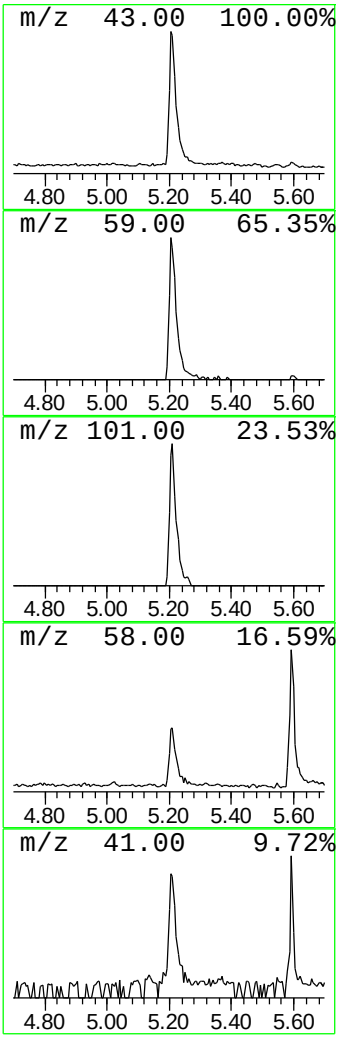
Peak Number 2 Acetic acid, 1,1-dimethylet... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	3.89 ng	130542	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	50
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
3	Hydrazine, 1,1-bis(1-methylethyl)-	116	C6H16N2	000921-14-2	28
4	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	25
5	Propane, 2-ethoxy-2-methyl-	102	C6H14O	000637-92-3	17





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Operator : JU/SJ
Sample : J2182-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-7-EW(1-5)

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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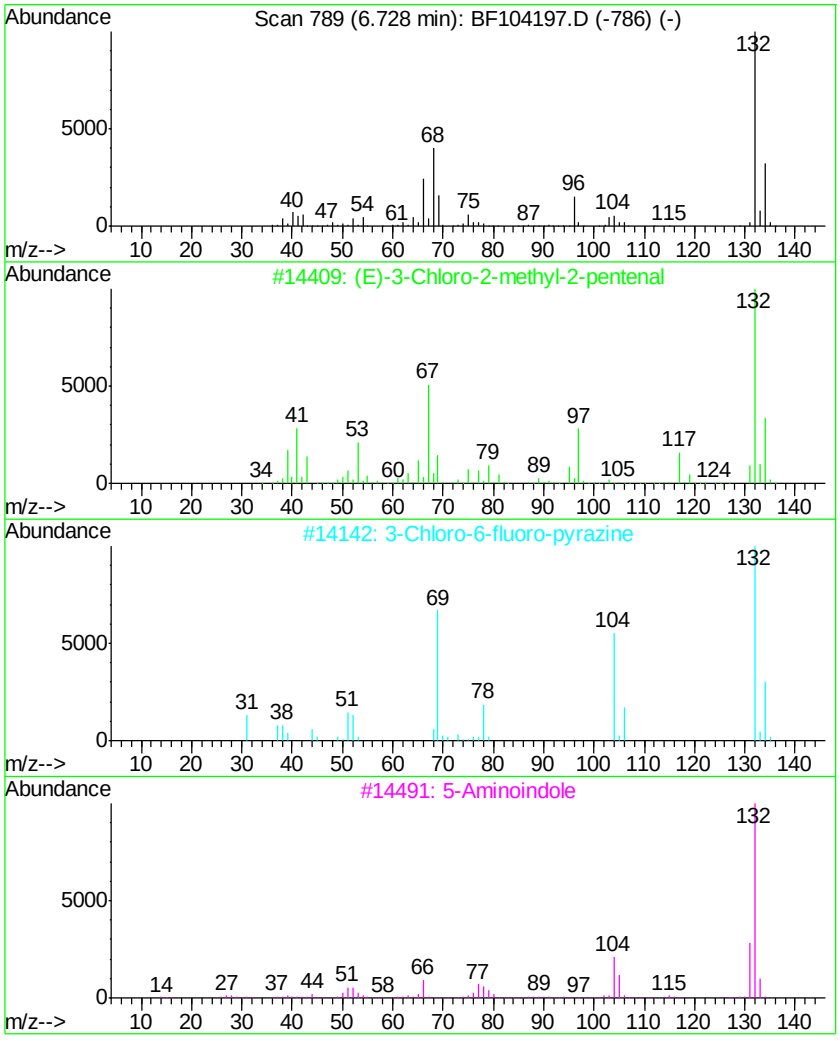
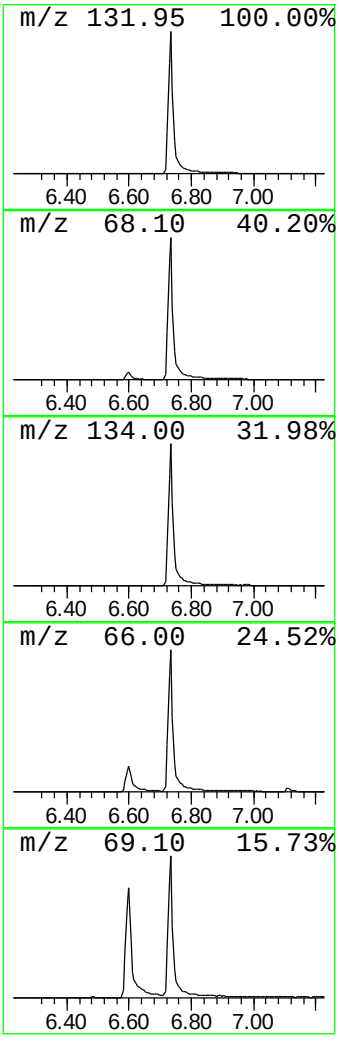
Peak Number 3 unknown6.73 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	91.22 ng	3061750	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	27
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-7-EW(1-5)

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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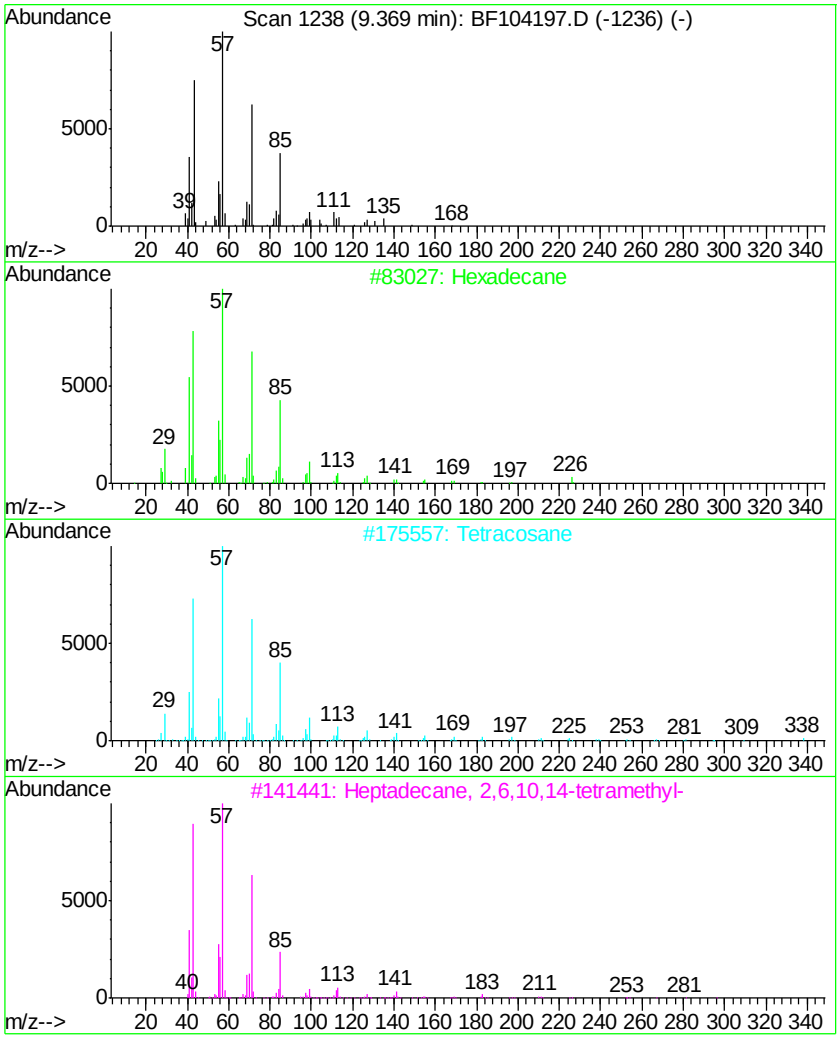
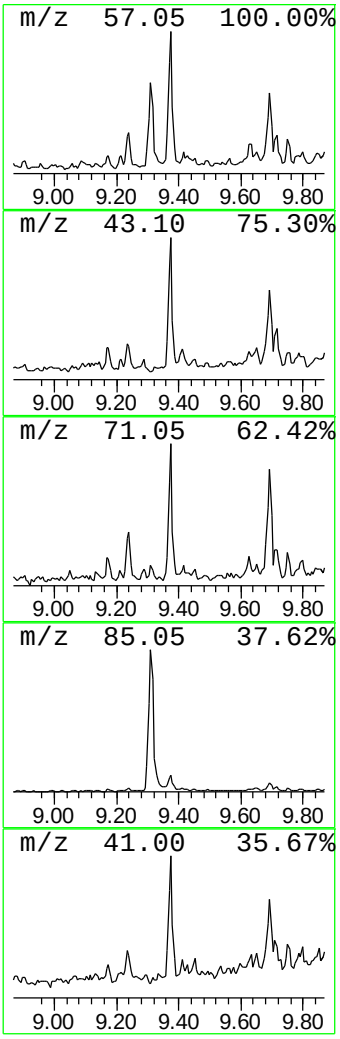
Peak Number 5 Hexadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	2.91 ng	148603	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Tetracosane	338	C24H50	000646-31-1	86
3	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	86
4	Tetradecane	198	C14H30	000629-59-4	86
5	Tetratetracontane	619	C44H90	007098-22-8	86





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Sample : J2182-16
Misc :
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Instrument : BNA_F
ClientSampleId : 6-WM-DIP-7-EW(1-5)

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
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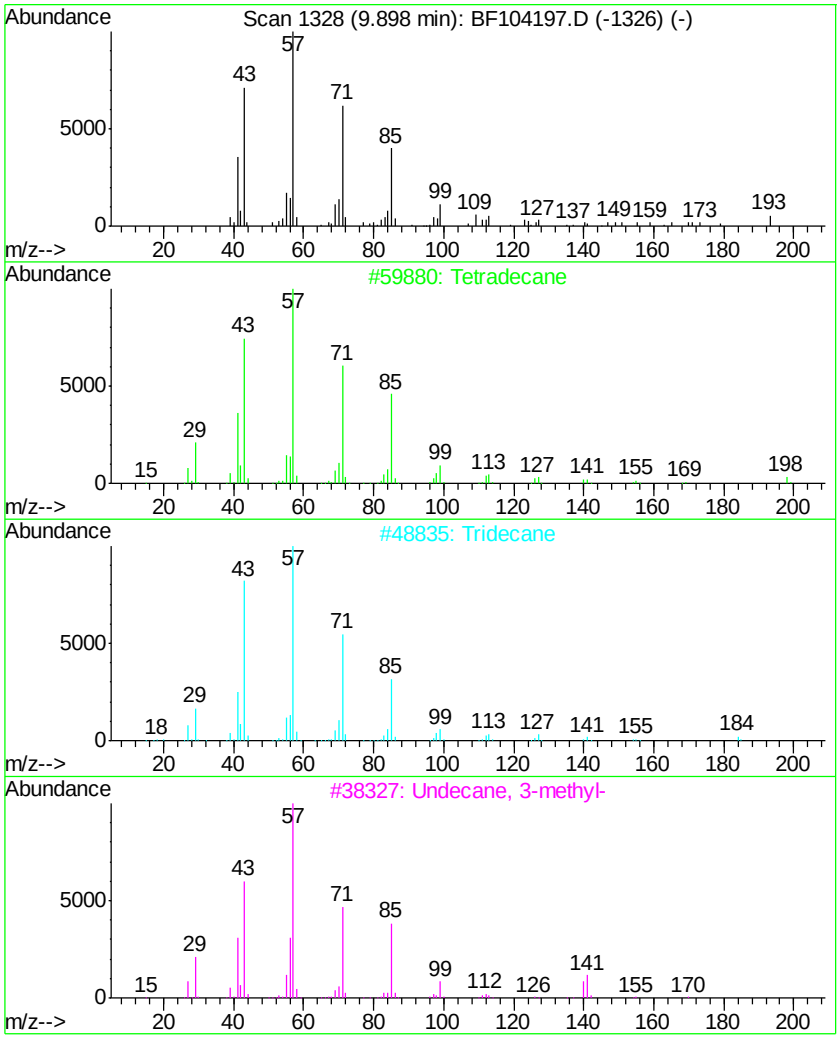
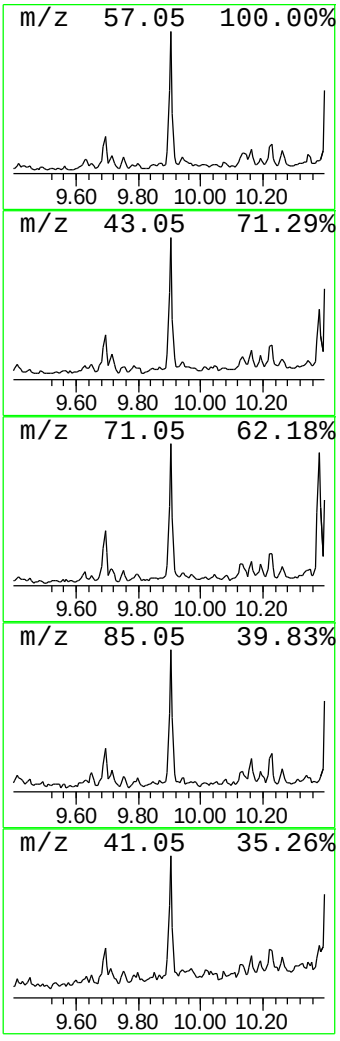
Peak Number 6 Tetradecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	2.47 ng	125876	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	91
2	Tridecane	184	C13H28	000629-50-5	90
3	Undecane, 3-methyl-	170	C12H26	001002-43-3	86
4	Hexadecane	226	C16H34	000544-76-3	86
5	Undecane, 2-methyl-	170	C12H26	007045-71-8	80





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ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-7-EW(1-5)

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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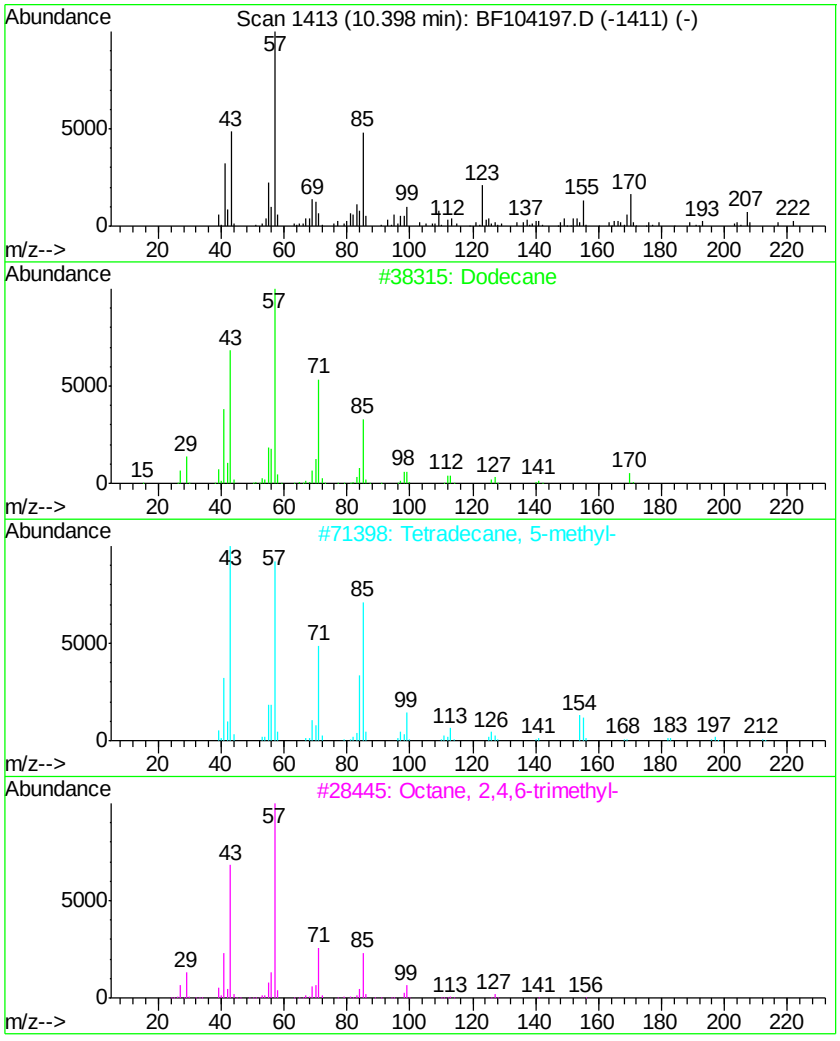
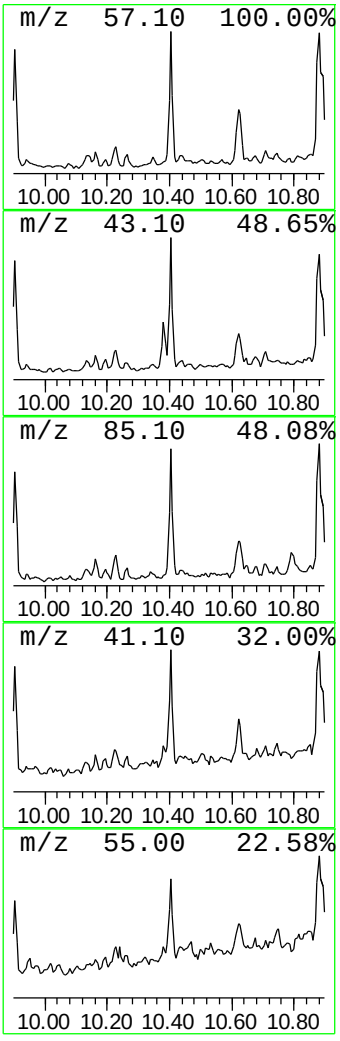
Peak Number 7 Dodecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.40	3.09 ng	157716	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	92
2	Tetradecane, 5-methyl-	212	C15H32	025117-32-2	80
3	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	80
4	Heptadecane	240	C17H36	000629-78-7	58
5	Pentadecane	212	C15H32	000629-62-9	58





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Sample : J2182-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-7-EW(1-5)

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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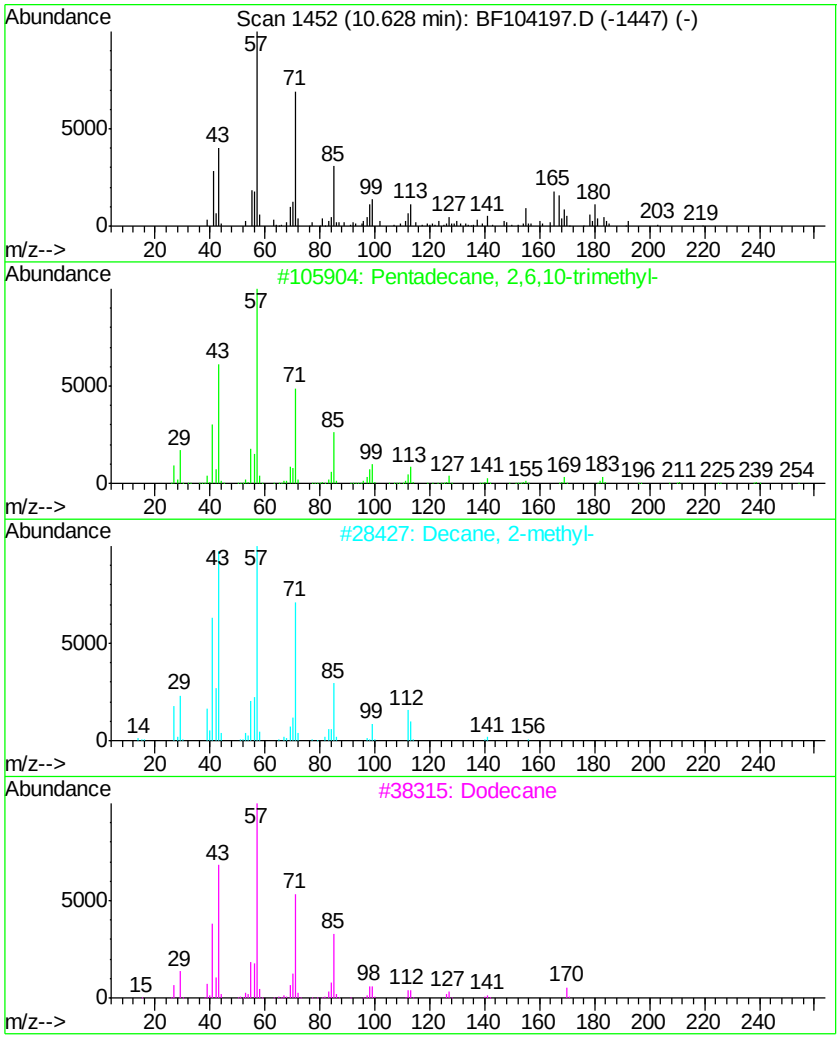
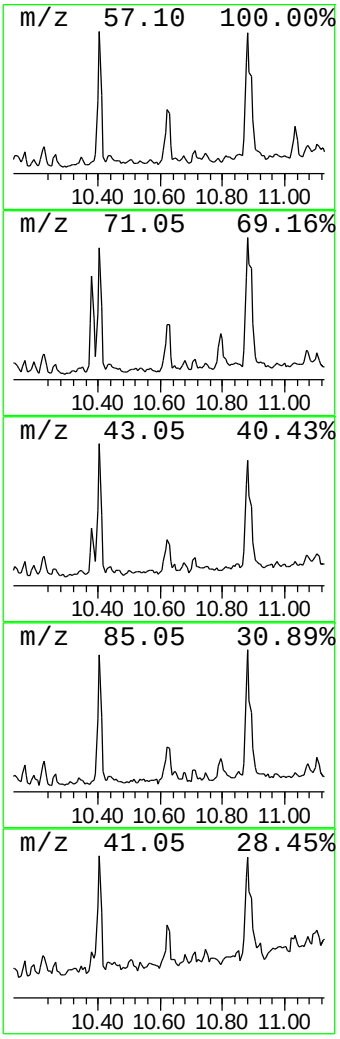
Peak Number 8 Pentadecane, 2,6,10-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.63	2.06 ng	105126	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	64
2	Decane, 2-methyl-	156	C11H24	006975-98-0	64
3	Dodecane	170	C12H26	000112-40-3	62
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	58
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	58





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104197.D
Acq On : 3 Apr 2018 23:16
Operator : JU/SJ
Sample : J2182-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-7-EW(1-5)

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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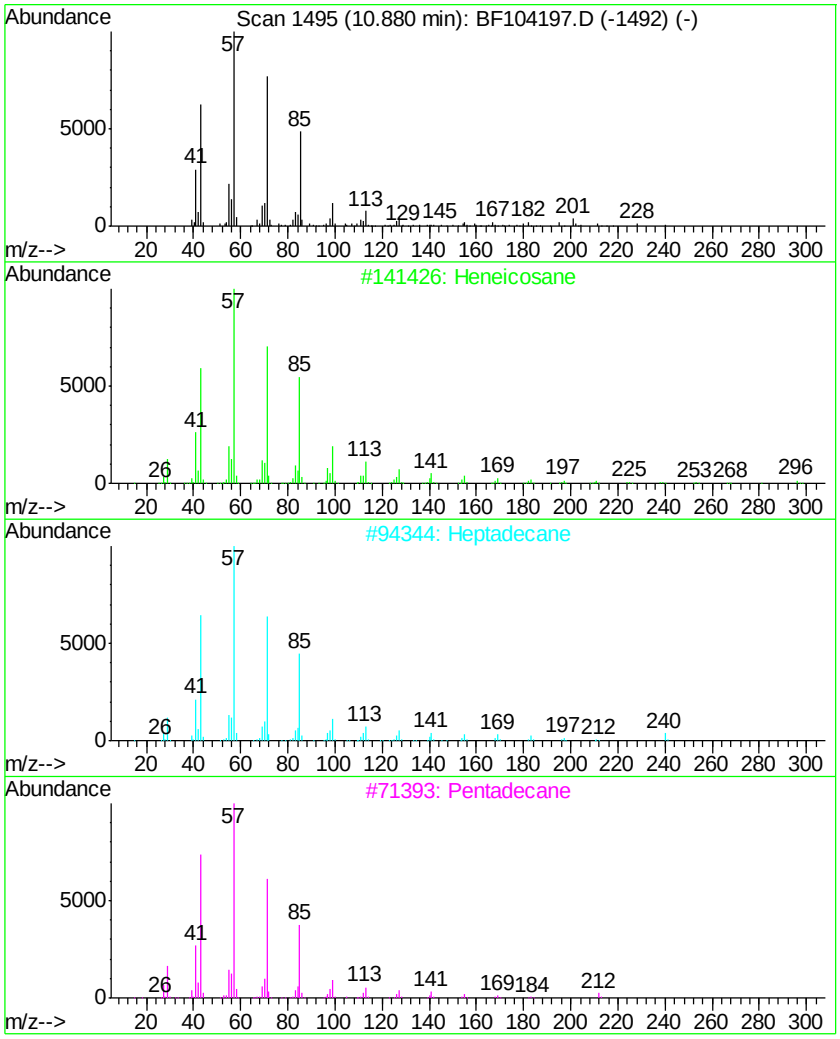
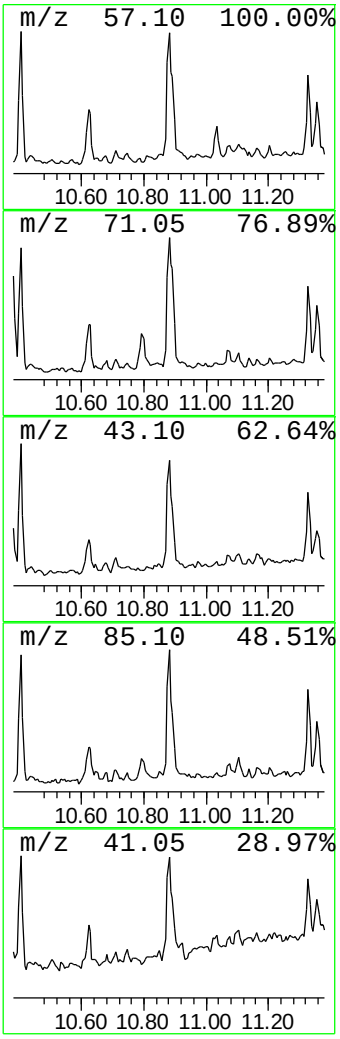
Peak Number 9 Heneicosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.88	7.48 ng	354956	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	90
2	Heptadecane	240	C17H36	000629-78-7	90
3	Pentadecane	212	C15H32	000629-62-9	90
4	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	86
5	Heptacosane	380	C27H56	000593-49-7	80





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Data File : BF104197.D
Acq On : 3 Apr 2018 23:16
Operator : JU/SJ
Sample : J2182-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-7-EW(1-5)

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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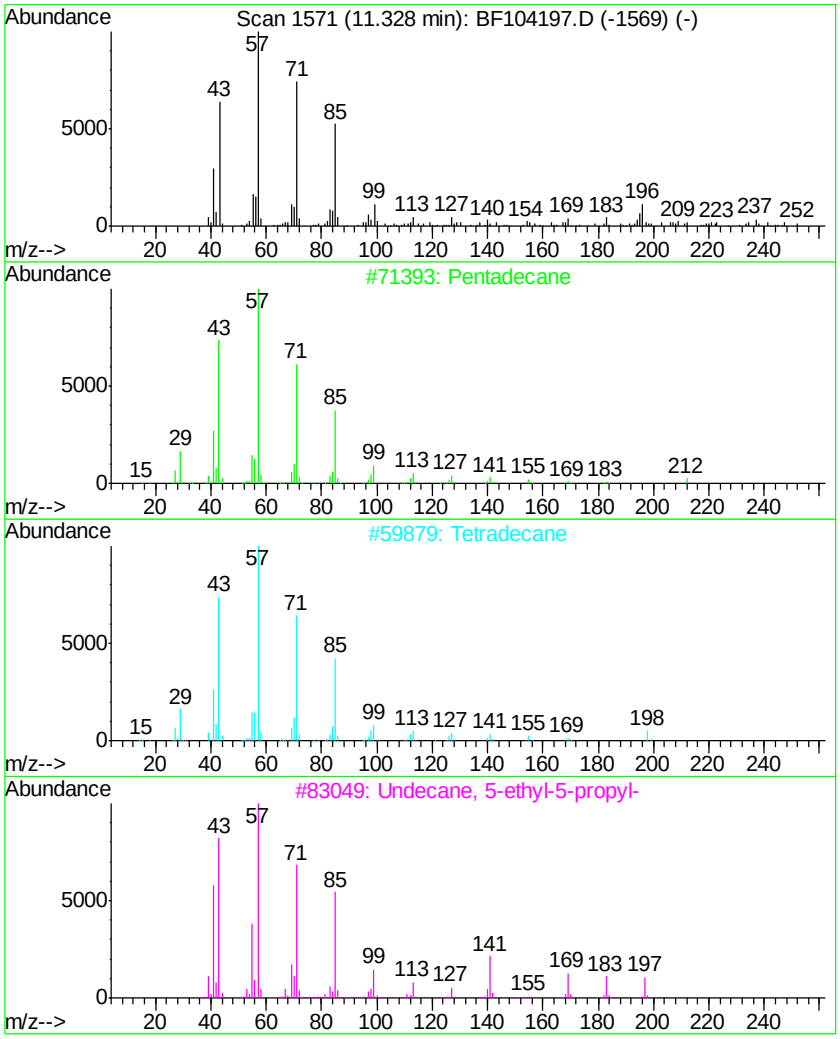
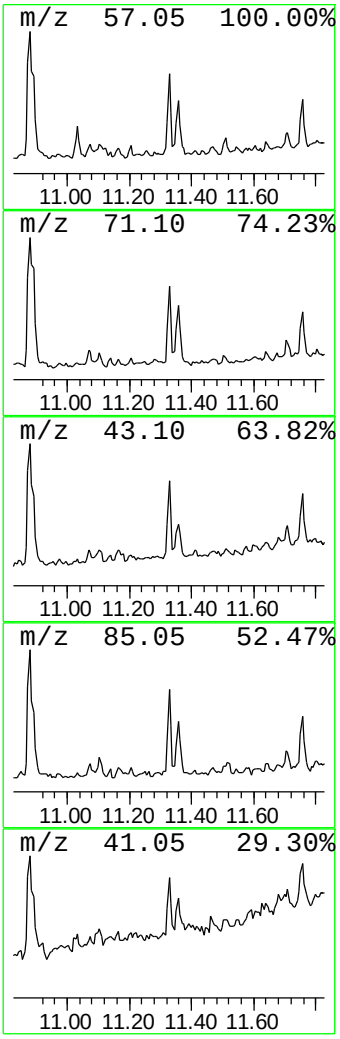
Peak Number 10 Pentadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.33	2.05 ng	97331	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	93
2	Tetradecane	198	C14H30	000629-59-4	87
3	Undecane, 5-ethyl-5-propyl-	226	C16H34	002755-07-9	80
4	Dodecane, 4-methyl-	184	C13H28	006117-97-1	72
5	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	72





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Operator : JU/SJ
Sample : J2182-16
Misc :
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Instrument : BNA_F
ClientSampleId : 6-WM-DIP-7-EW(1-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
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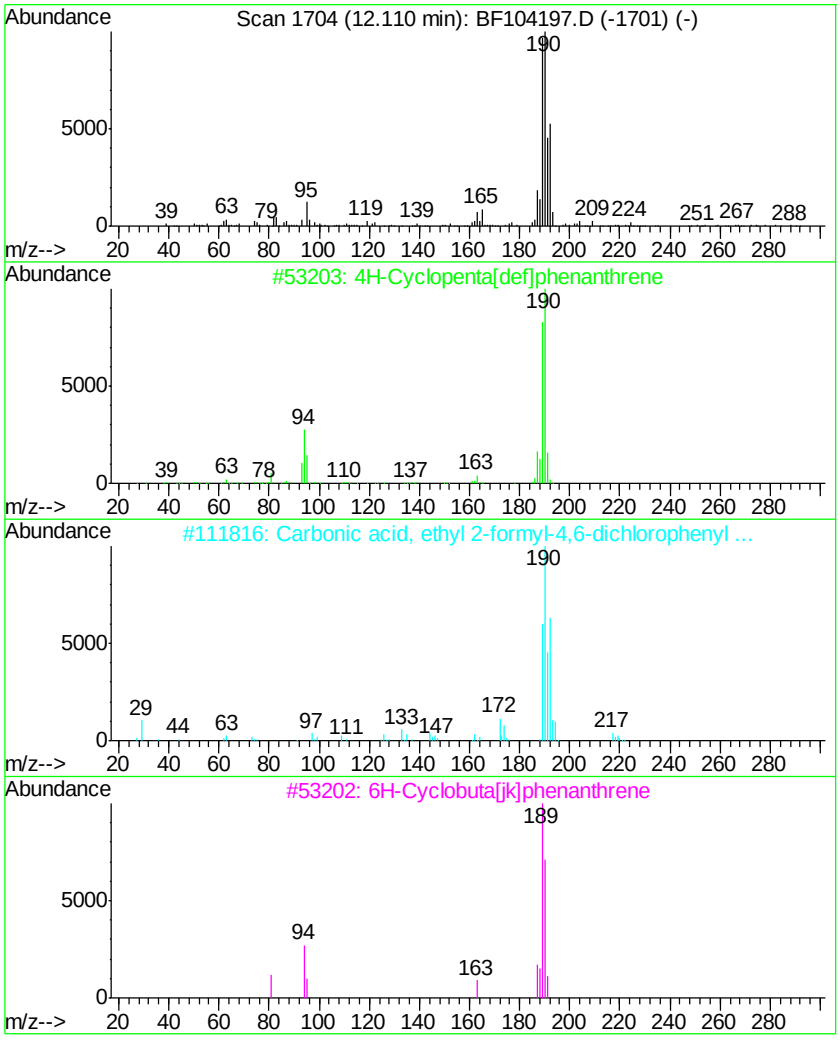
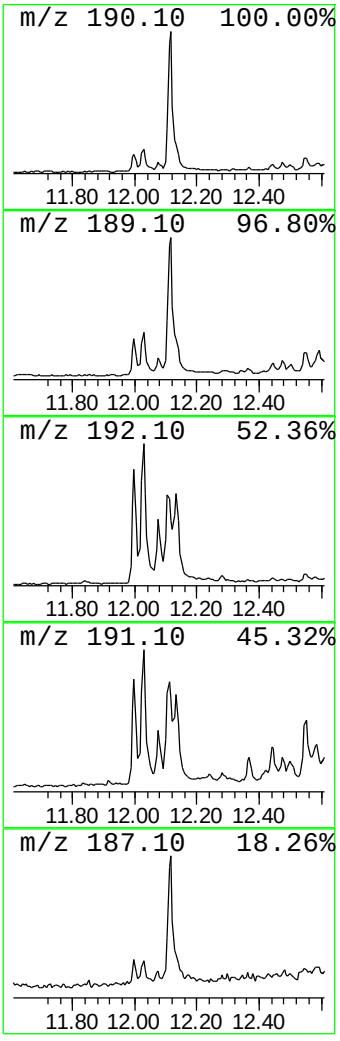
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	6.71 ng	318495	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	53
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40
4	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	22
5	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	14





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Operator : JU/SJ
Sample : J2182-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-7-EW(1-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
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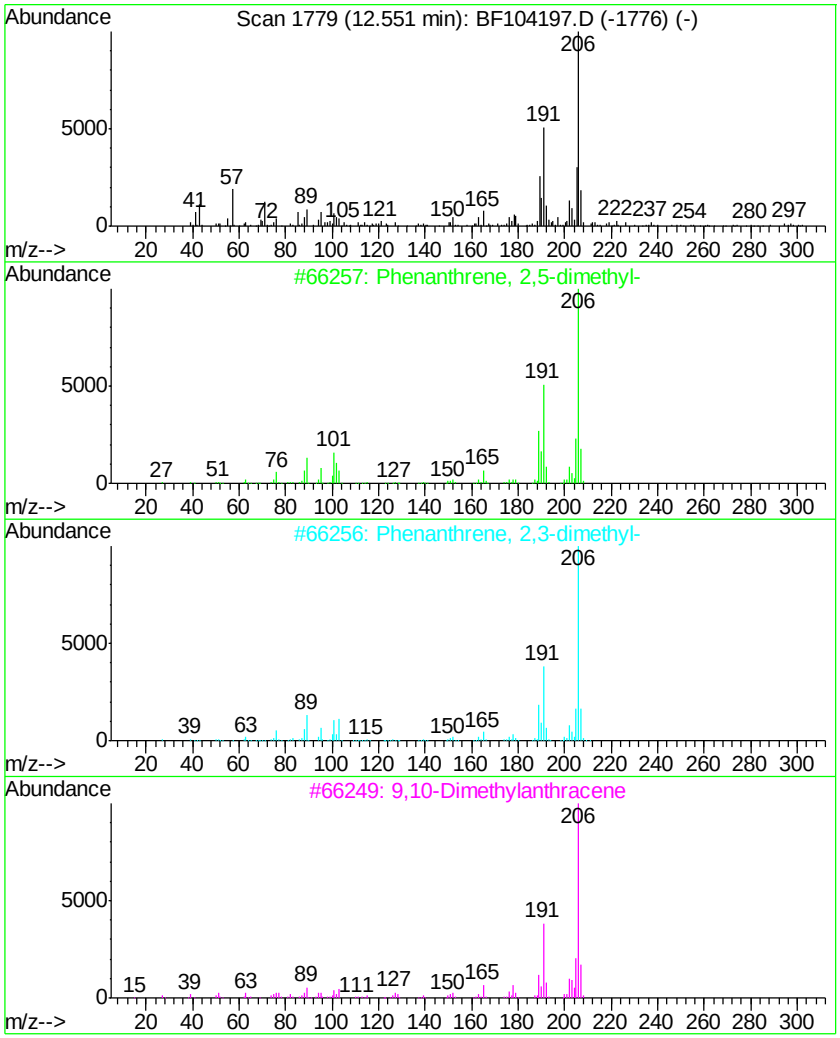
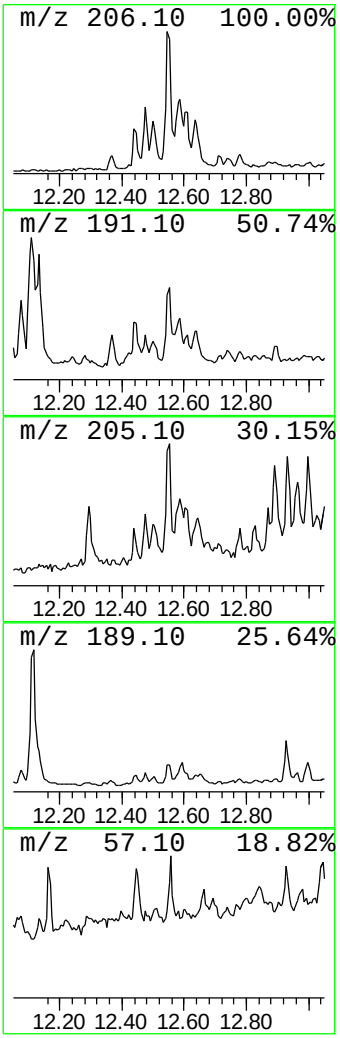
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	4.08 ng	193858	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	87





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ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-7-EW(1-5)

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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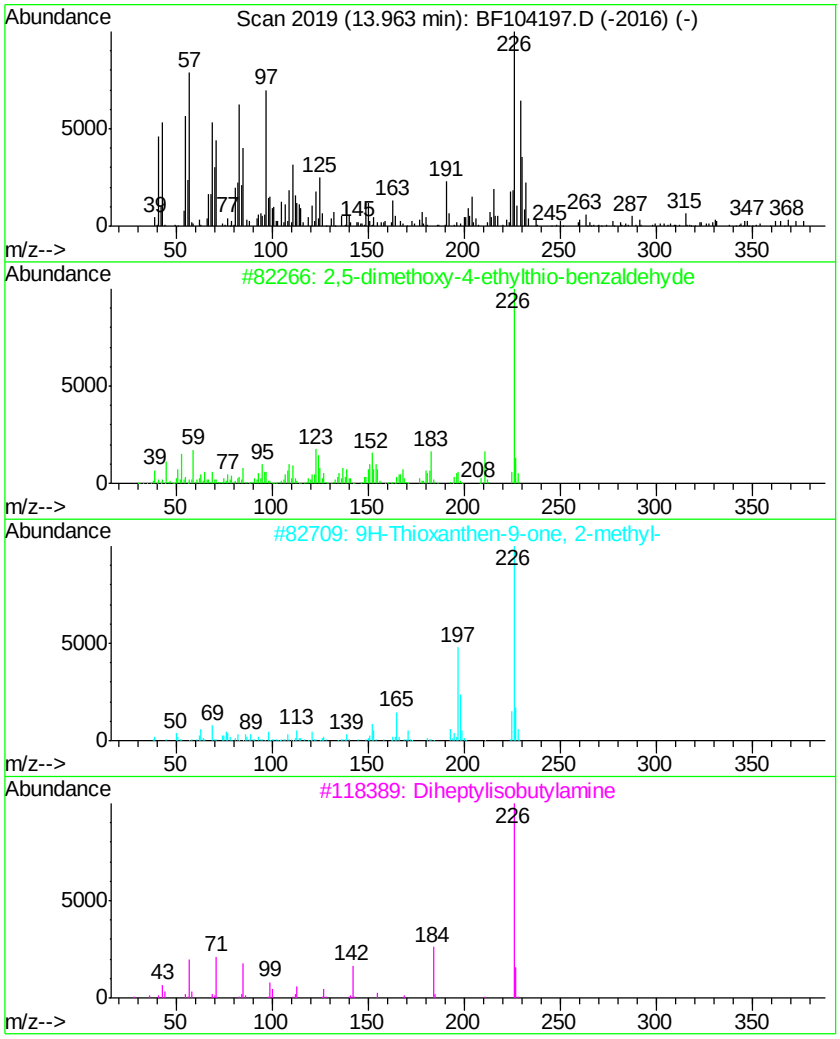
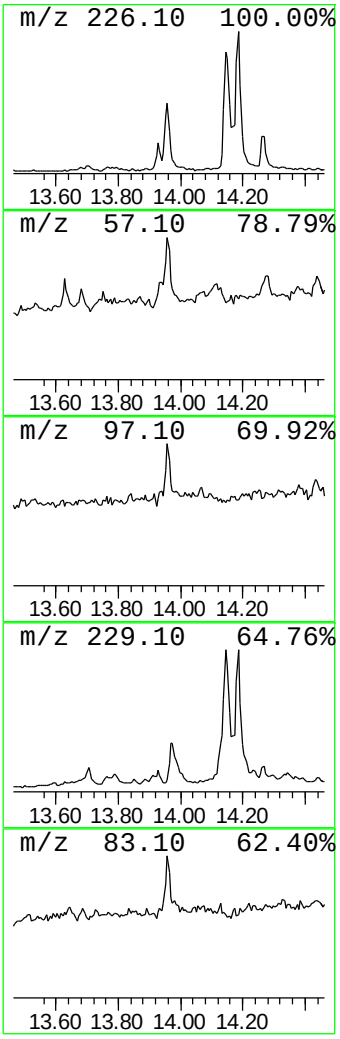
Peak Number 13 unknown13.96 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.96	4.14 ng	272428	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-dimethoxy-4-ethylthio-benzal...	226	C11H14O3S	1000379-12-2	30
2	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	27
3	Diheptylisobutylamine	269	C18H39N	1000310-32-0	25
4	9-Methoxymethyl-1-methyl-3,6-dia...	226	C12H22N2O2	1000216-30-2	25
5	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	25





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Sample : J2182-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 6-WM-DIP-7-EW(1-5)

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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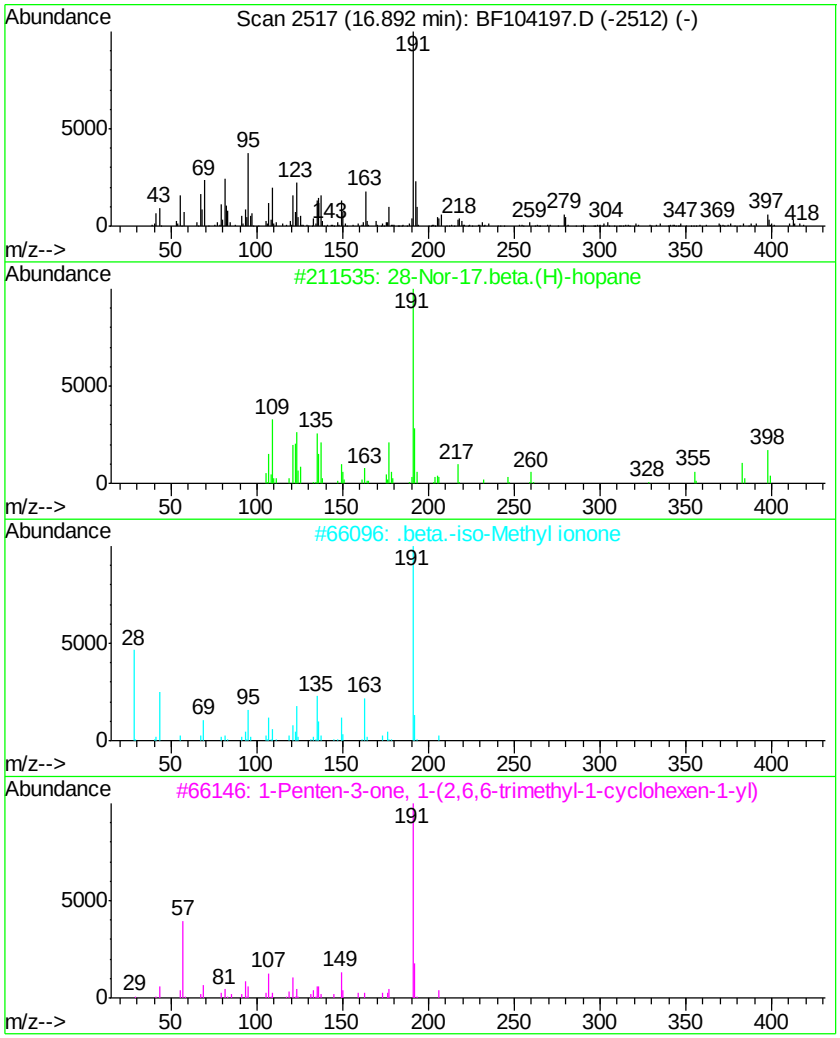
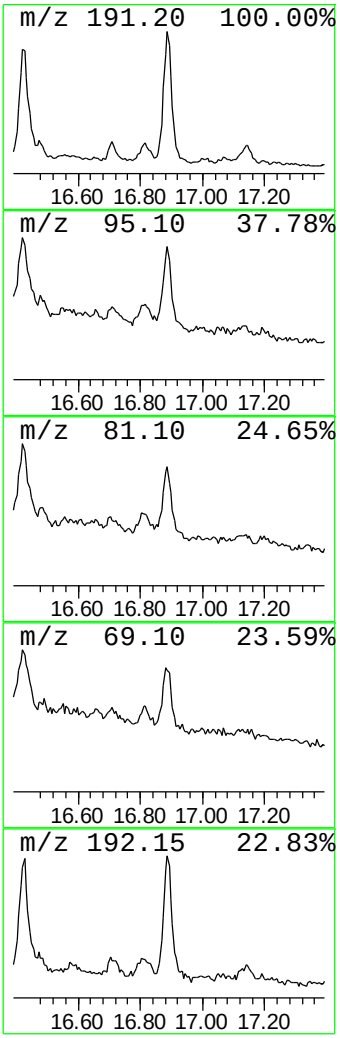
Peak Number 14 28-Nor-17.beta.(H)-hopane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	21.31 ng	606970	Perylene-d12	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	59
2	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	52
3	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	38
4	1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	37
5	5-(p-Aminophenyl)-2-thiazolamine	191	C9H9N3S	090349-87-4	35





Tentatively Identified Compound (LSC) summary

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Instrument : BNA_F
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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	4.9	ng	163072	1	6.96	671302	20.0
Acetic acid, 1,1-...	5.20	3.9	ng	130542	1	6.96	671302	20.0
unknown6.73	6.73	91.2	ng	3061750	1	6.96	671302	20.0
Hexadecane	9.37	2.9	ng	148603	3	10.00	1019990	20.0
Tetradecane	9.90	2.5	ng	125876	3	10.00	1019990	20.0
Dodecane	10.40	3.1	ng	157716	3	10.00	1019990	20.0
Pentadecane, 2,6,...	10.63	2.1	ng	105126	3	10.00	1019990	20.0
Heneicosane	10.88	7.5	ng	354956	4	11.50	949692	20.0
Pentadecane	11.33	2.0	ng	97331	4	11.50	949692	20.0
4H-Cyclopenta[def...	12.11	6.7	ng	318495	4	11.50	949692	20.0
Phenanthrene, 2,5...	12.55	4.1	ng	193858	4	11.50	949692	20.0
unknown13.96	13.96	4.1	ng	272428	5	14.16	1314930	20.0
28-Nor-17.beta.(H...	16.89	21.3	ng	606970	6	15.72	569758	20.0