LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103376.D
Acq On : 2 Mar 2018 20:10
Operator : SJ/JU
Sample : J1720-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-42

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-BF022218.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	2.151	6	11	26	rVB	281048	418244	10.42%	1.103%
2	5.122	513	516	533	rVB	92987	145275	3.62%	0.383%
3	5.504	577	581	594	rBV	3626250	3991174	99.46%	10.530%
4	6.516	748	753	771	rBV	3339245	4012987	100.00%	10.587%
5	6.651	771	776	779	rBV	3897151	3718632	92.66%	9.811%
6	6.875	810	814	820	rBV	1232372	1007269	25.10%	2.657%
7	7.034	837	841	844	rBV	3007675	2788821	69.49%	7.358%
8	7.445	906	911	926	rBV	2490209	2606125	64.94%	6.876%
9	8.157	1028	1032	1044	rBV	1280047	1325338	33.03%	3.497%
10	9.233	1211	1215	1218	rBV	3363289	3040921	75.78%	8.023%
11	9.298	1224	1226	1230	rVB	73402	66424	1.66%	0.175%
12	9.575	1265	1273	1276	rBV3	29540	46062	1.15%	0.122%
13	9.627	1276	1282	1288	rVV	256533	313358	7.81%	0.827%
14	9.780	1305	1308	1313	rBV	48917	56840	1.42%	0.150%
15	9.827	1313	1316	1320	rBV	163165	147290	3.67%	0.389%
16	9.916	1327	1331	1335	rBV2	1253868	1164558	29.02%	3.072%
17	9.945	1335	1336	1344	rVB	79897	81562	2.03%	0.215%
18	10.122	1363	1366	1369	rBV2	50973	51504	1.28%	0.136%
19	10.151	1369	1371	1376	rVB3	50935	51288	1.28%	0.135%
20	10.327	1398	1401	1405	rVB	200132	182997	4.56%	0.483%
21	10.469	1421	1425	1431	rVB3	54786	65328	1.63%	0.172%
22	10.551	1434	1439	1441	rBV	70991	84829	2.11%	0.224%
23	10.710	1462	1466	1477	rBV	1630439	1813869	45.20%	4.786%
24	10.804	1479	1482	1492	rVB	209234	245742	6.12%	0.648%
25	11.139	1534	1539	1541	rBV5	27109	43835	1.09%	0.116%
26	11.257	1555	1559	1562	rBV	130334	137945	3.44%	0.364%
27	11.304	1565	1567	1572	rVB	50022	49956	1.24%	0.132%
28	11.410	1581	1585	1587	rBV	1095711	966985	24.10%	2.551%
29	11.433	1587	1589	1594	rVV	754637	631563	15.74%	1.666%
30	11.486	1595	1598	1603	rVB	191656	181476	4.52%	0.479%
31	11.651	1621	1626	1629	rBV3	44976	68021	1.70%	0.179%
32	11.916	1667	1671	1673	rBV2	146000	174318	4.34%	0.460%
33	11.939	1673	1675	1681	rVB	132448	127573	3.18%	0.337%
34	11.986	1681	1683	1687	rBV	57967	55117	1.37%	0.145%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103376.D
Acq On : 2 Mar 2018 20:10
Operator : SJ/JU
Sample : J1720-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-42

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-BF022218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.027	1687	1690	1692	rBV	132537	147962	3.69%	0.390%
36	12.204	1717	1720	1724	rBV	74210	70163	1.75%	0.185%
37	12.245	1724	1727	1730	rVB	54198	48457	1.21%	0.128%
38	12.463	1761	1764	1768	rBV2	57463	81147	2.02%	0.214%
39	12.557	1776	1780	1788	rBV3	63766	105912	2.64%	0.279%
40	12.627	1788	1792	1796	rBV	999574	888021	22.13%	2.343%
41	12.857	1825	1831	1837	rBV	788223	936091	23.33%	2.470%
42	12.904	1837	1839	1845	rVB2	48991	53412	1.33%	0.141%
43	12.992	1850	1854	1858	rBV	1983734	1899336	47.33%	5.011%
44	13.074	1864	1868	1872	rBV2	54372	96688	2.41%	0.255%
45	13.186	1880	1887	1893	rBV	117387	175846	4.38%	0.464%
46	13.251	1896	1898	1901	rBV	66630	59398	1.48%	0.157%
47	13.292	1902	1905	1907	rVB2	65666	66981	1.67%	0.177%
48	13.415	1924	1926	1929	rBV	53042	52184	1.30%	0.138%
49	13.704	1972	1975	1979	rBV	84135	96166	2.40%	0.254%
50	13.810	1991	1993	1995	rBV	66458	50786	1.27%	0.134%
51	13.833	1995	1997	2000	rVB	63736	48642	1.21%	0.128%
52	13.874	2000	2004	2008	rBV3	245114	300421	7.49%	0.793%
53	13.910	2008	2010	2015	rVB	77328	80676	2.01%	0.213%
54	14.062	2031	2036	2039	rBV2	868874	1163886	29.00%	3.071%
55	14.086	2039	2040	2047	rVB	389437	334740	8.34%	0.883%
56	15.127	2214	2217	2220	rBV	268566	386633	9.63%	1.020%
57	15.445	2269	2271	2276	rVB	173530	176532	4.40%	0.466%
58	15.509	2279	2282	2287	rVB	217553	260022	6.48%	0.686%
59	15.574	2289	2293	2297	rVV	367536	460049	11.46%	1.214%

Sum of corrected areas: 37903377

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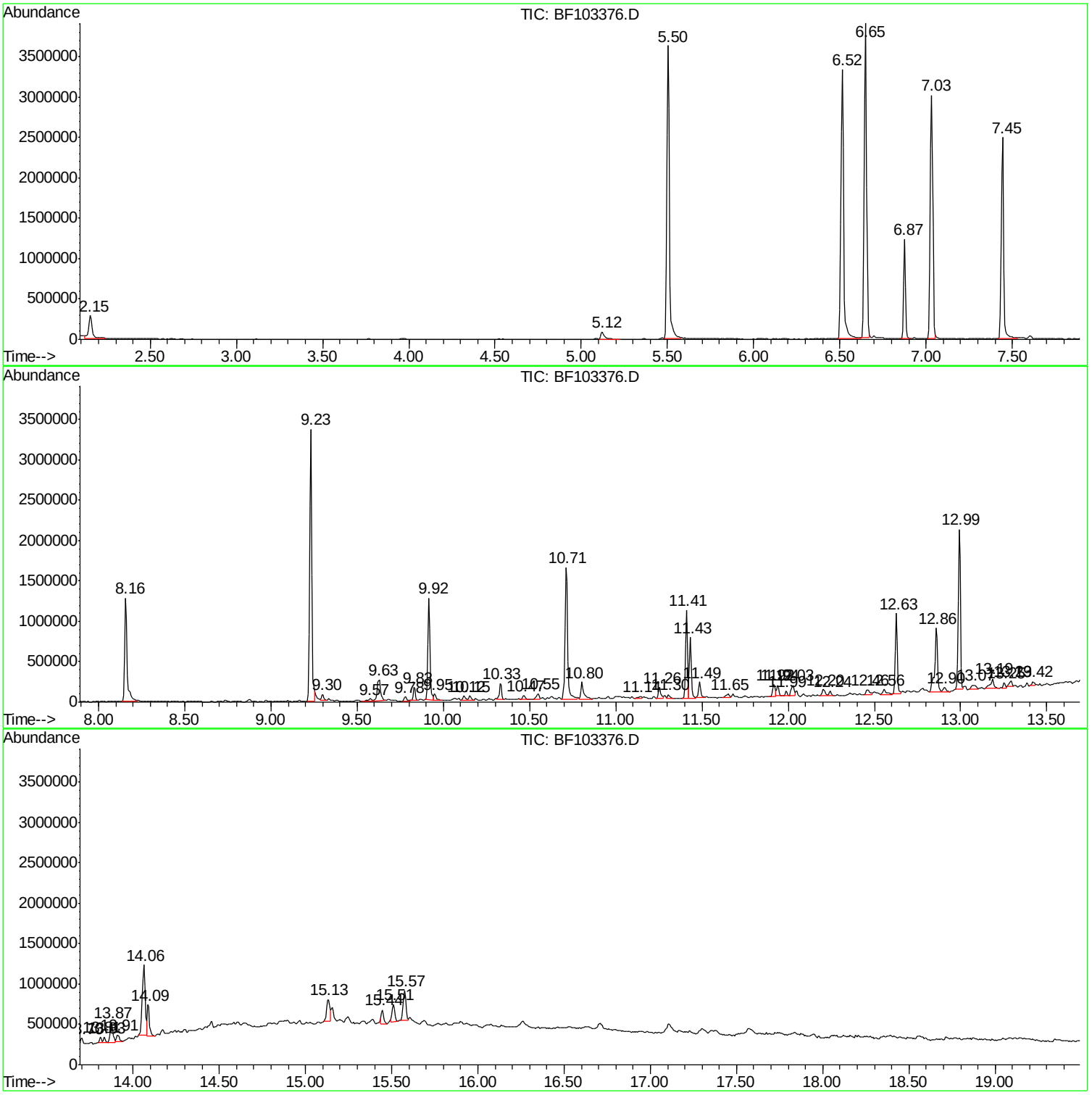
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-42

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103376.D
Acq On : 2 Mar 2018 20:10
Operator : SJ/JU
Sample : J1720-19
Misc :
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Instrument : BNA_F
ClientSampleId : SP-42

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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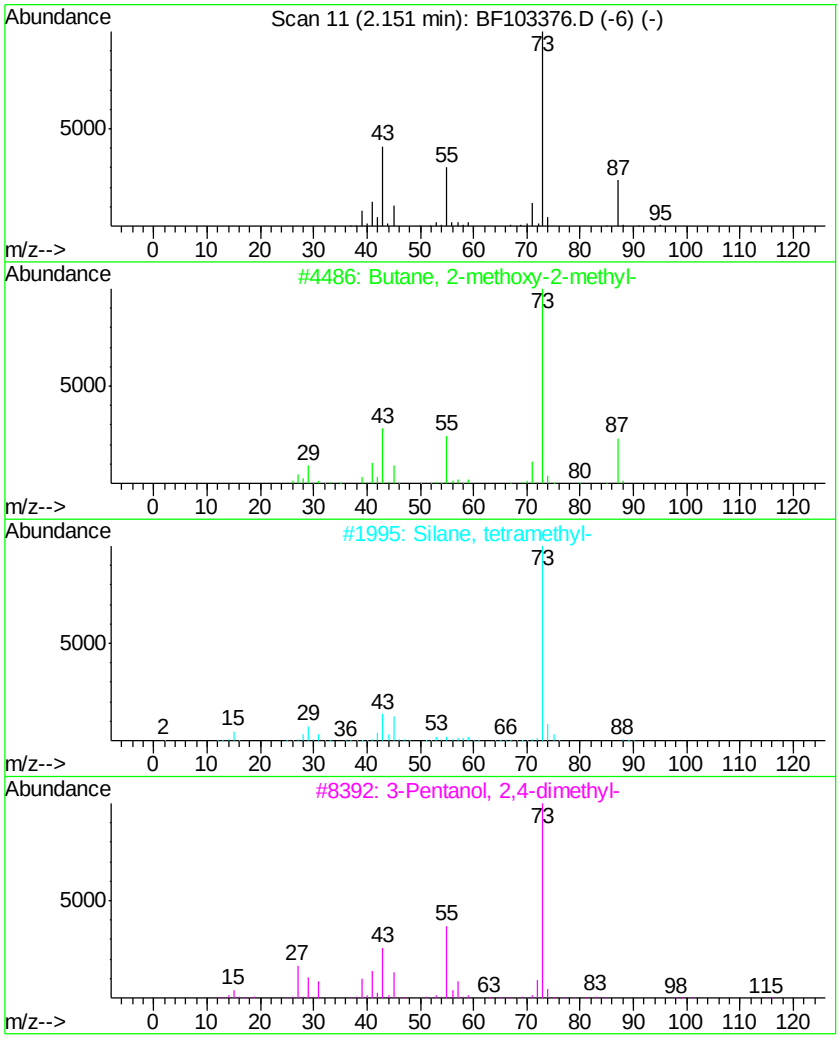
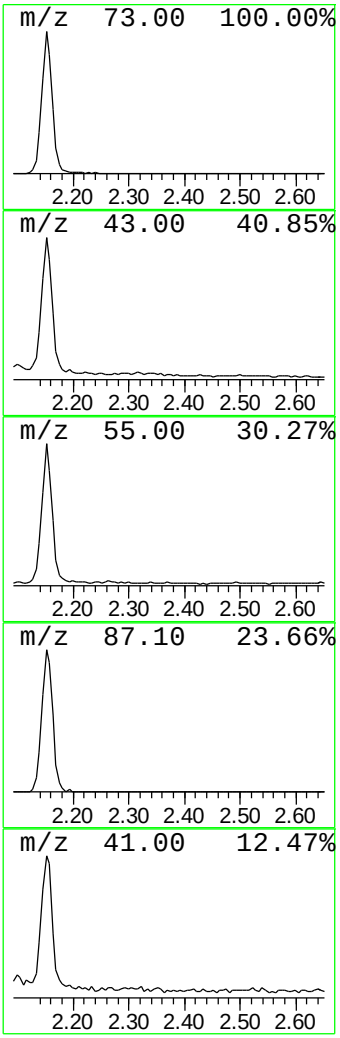
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.15	8.30 ng	418244	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	35
3	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	32
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103376.D
Acq On : 2 Mar 2018 20:10
Operator : SJ/JU
Sample : J1720-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-42

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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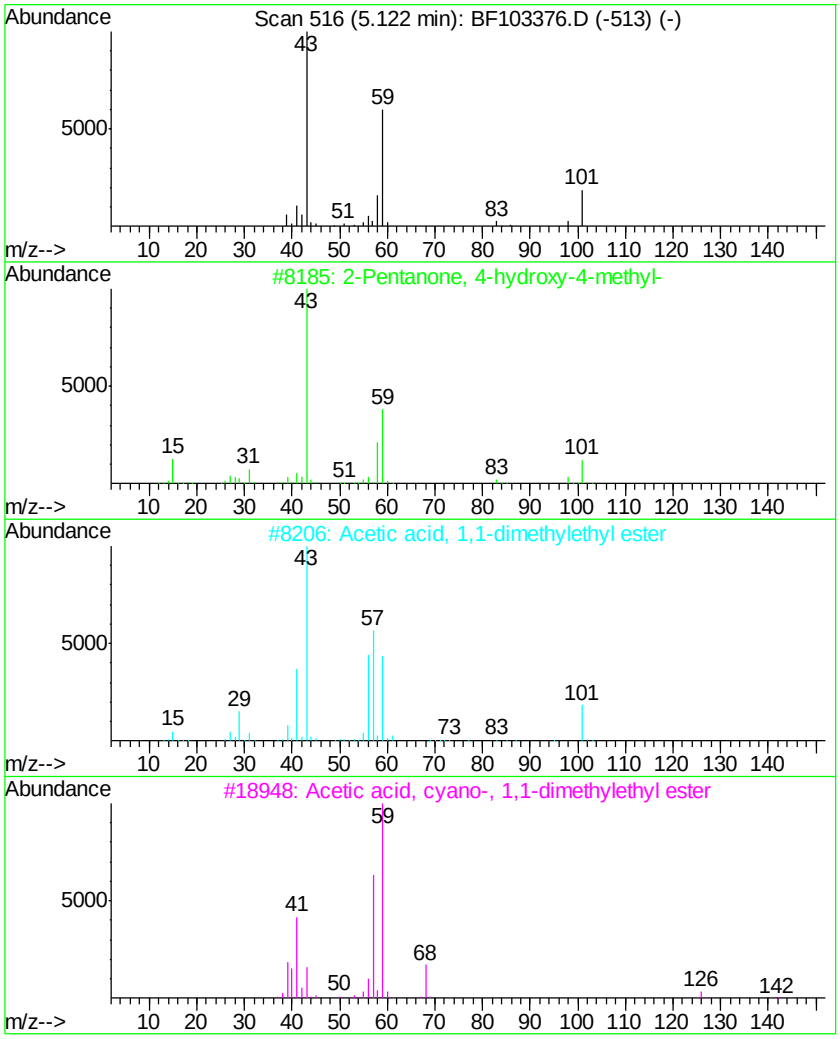
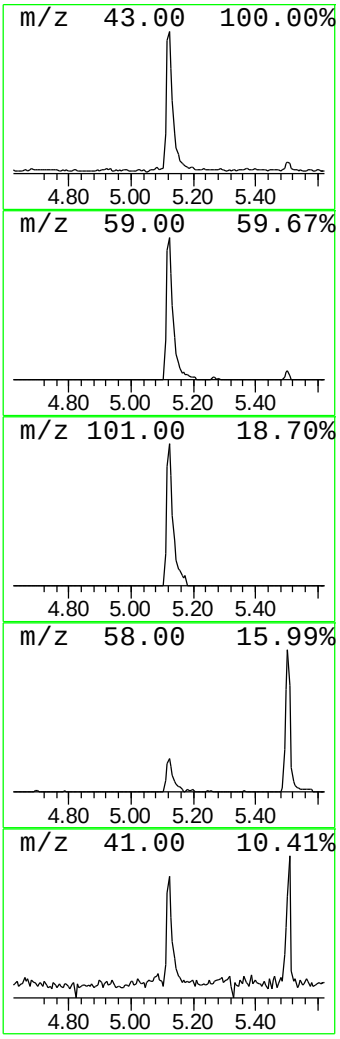
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.12	2.88 ng	145275	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	Acetone	58	C3H6O	000067-64-1	9
5	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103376.D
Acq On : 2 Mar 2018 20:10
Operator : SJ/JU
Sample : J1720-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-42

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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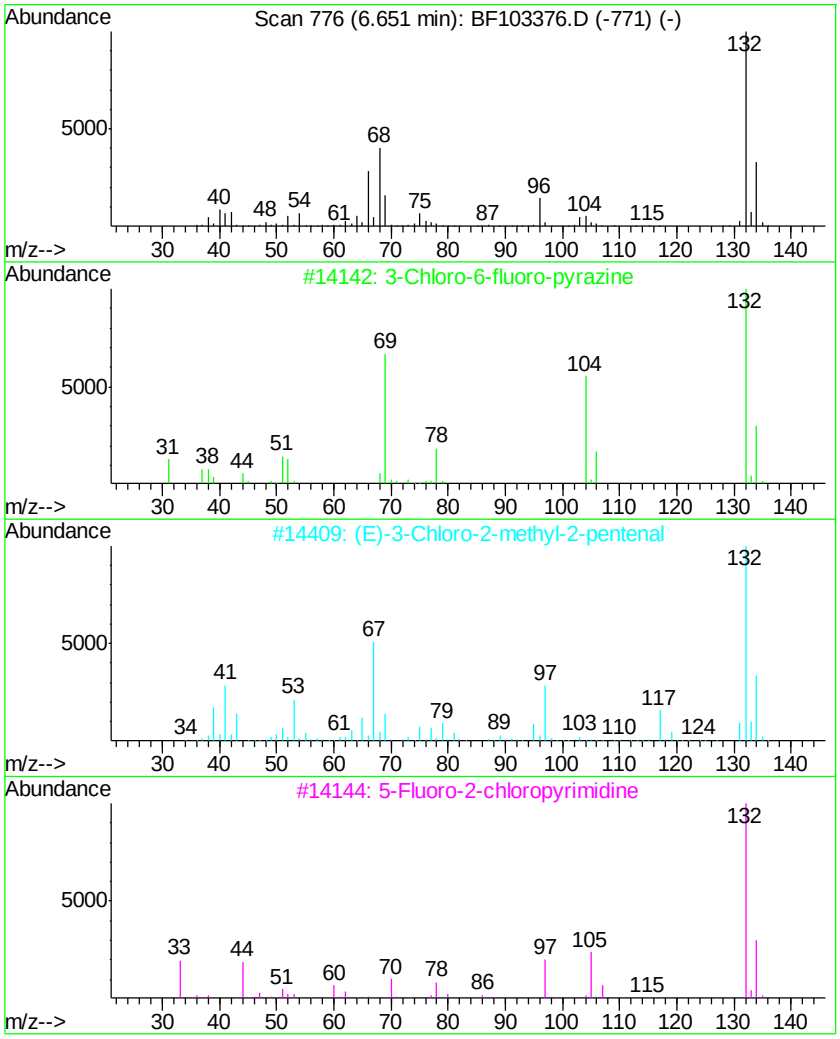
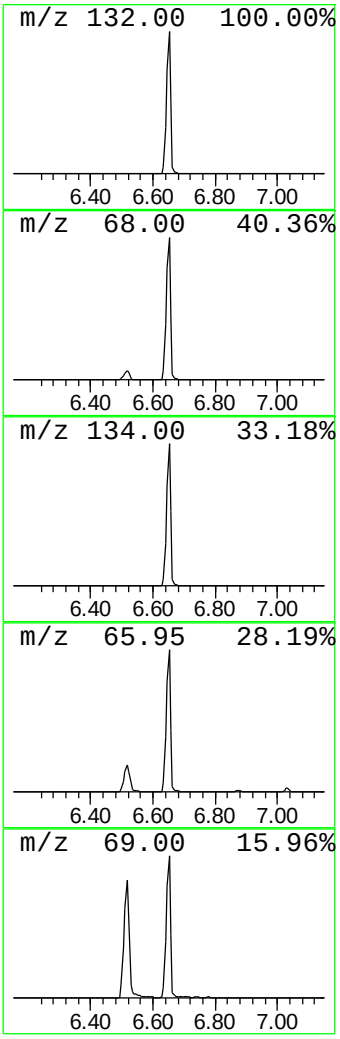
Peak Number 3 unknown6.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	73.84 ng	3718630	1,4-Dichlorobenzene-d4	6.87

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	16
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10





Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103376.D
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Operator : SJ/JU
Sample : J1720-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-42

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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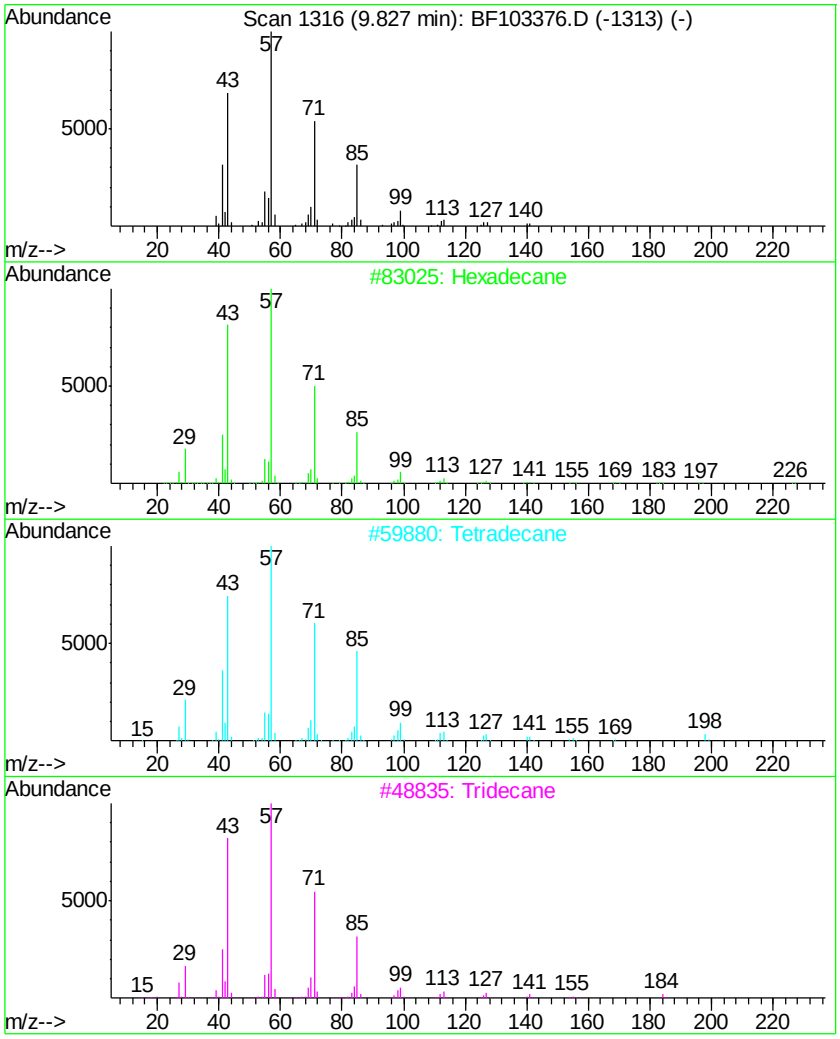
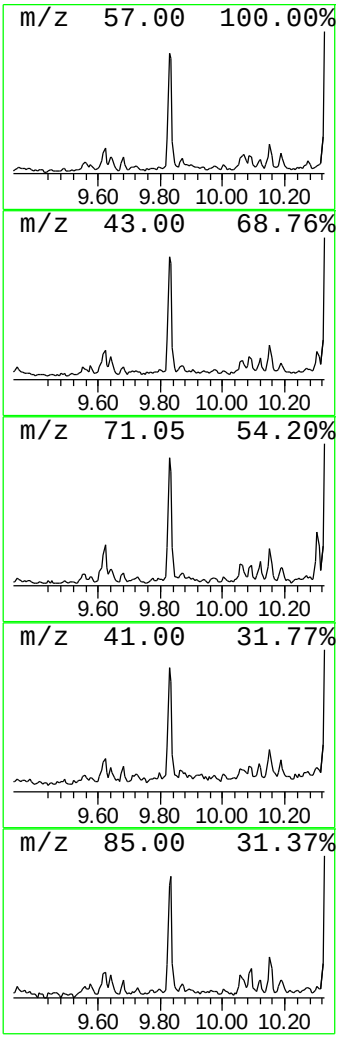
Peak Number 5 Hexadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.83	2.53 ng	147290	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Tetradecane	198	C14H30	000629-59-4	83
3	Tridecane	184	C13H28	000629-50-5	83
4	Pentadecane	212	C15H32	000629-62-9	83
5	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	80





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Sample : J1720-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-42

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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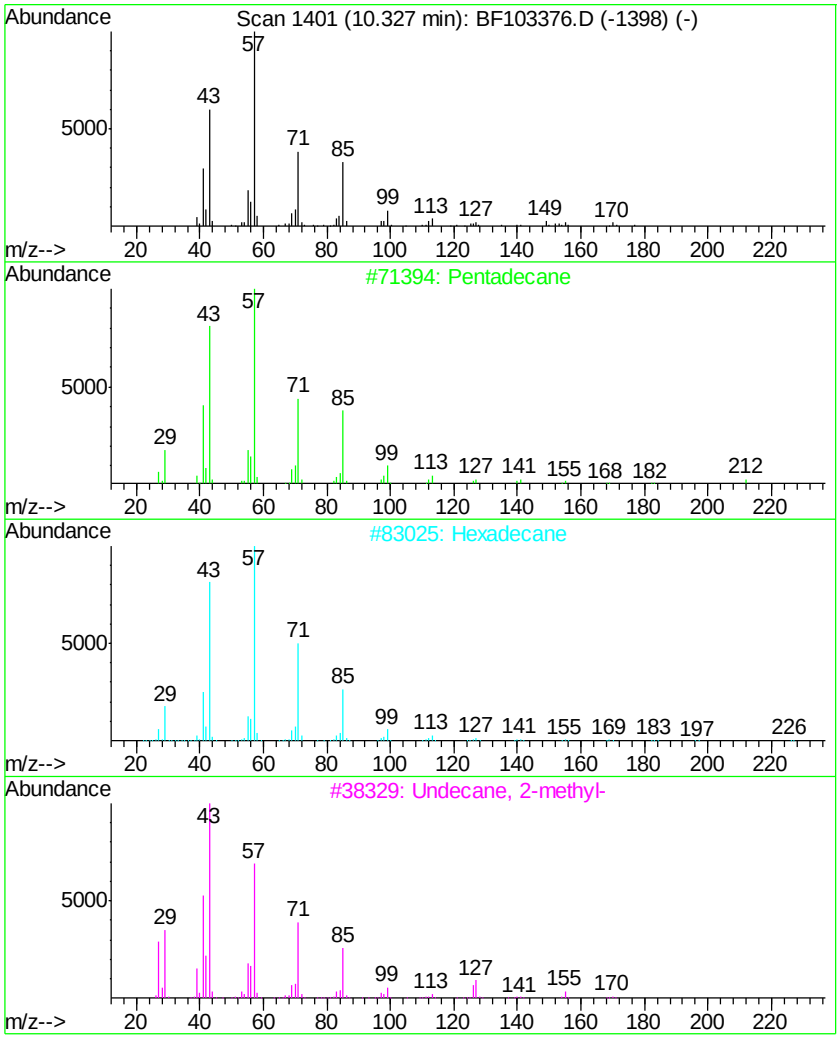
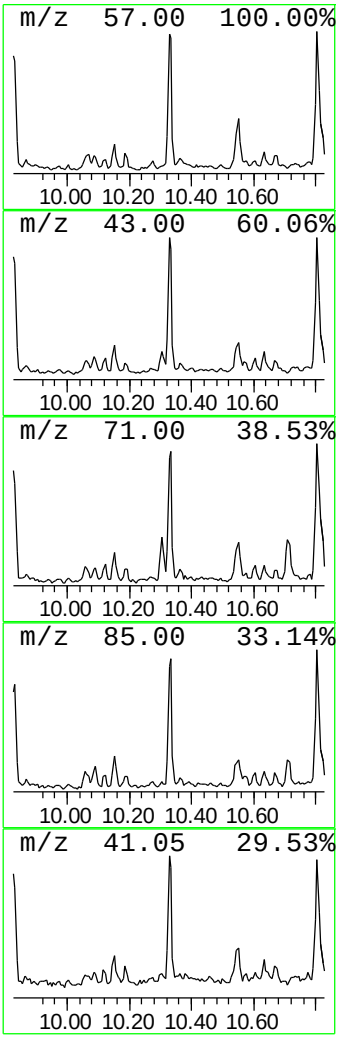
Peak Number 6 Pentadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.33	3.14 ng	182997	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	90
2	Hexadecane	226	C16H34	000544-76-3	86
3	Undecane, 2-methyl-	170	C12H26	007045-71-8	80
4	Tridecane	184	C13H28	000629-50-5	72
5	Eicosane	282	C20H42	000112-95-8	72





Library Search Compound Report

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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-42

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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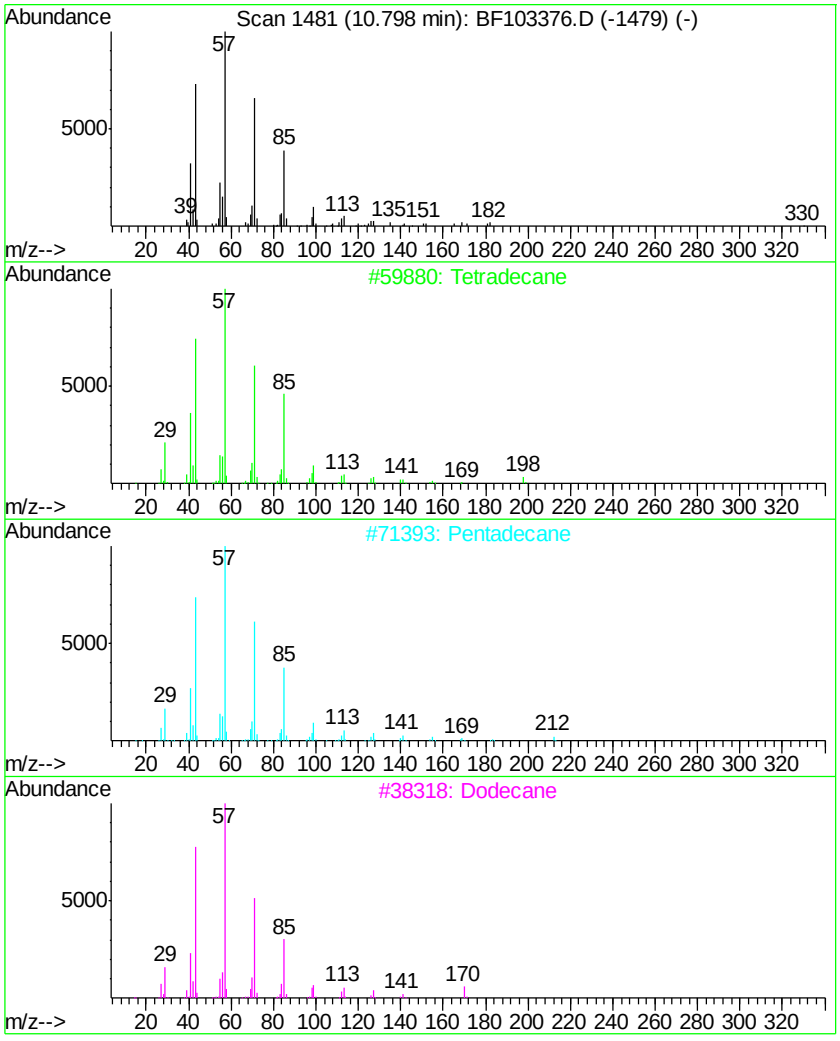
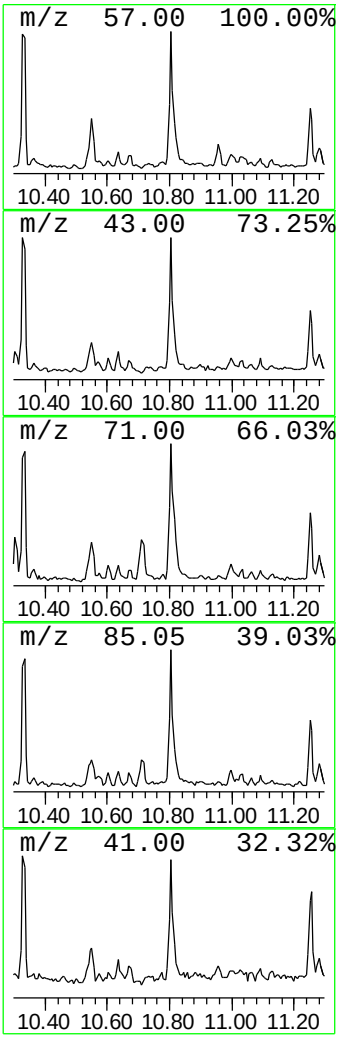
Peak Number 7 Tetradecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	5.08 ng	245742	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	91
2	Pentadecane	212	C15H32	000629-62-9	91
3	Dodecane	170	C12H26	000112-40-3	90
4	Octacosane	394	C28H58	000630-02-4	90
5	Tridecane	184	C13H28	000629-50-5	90





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Sample : J1720-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-42

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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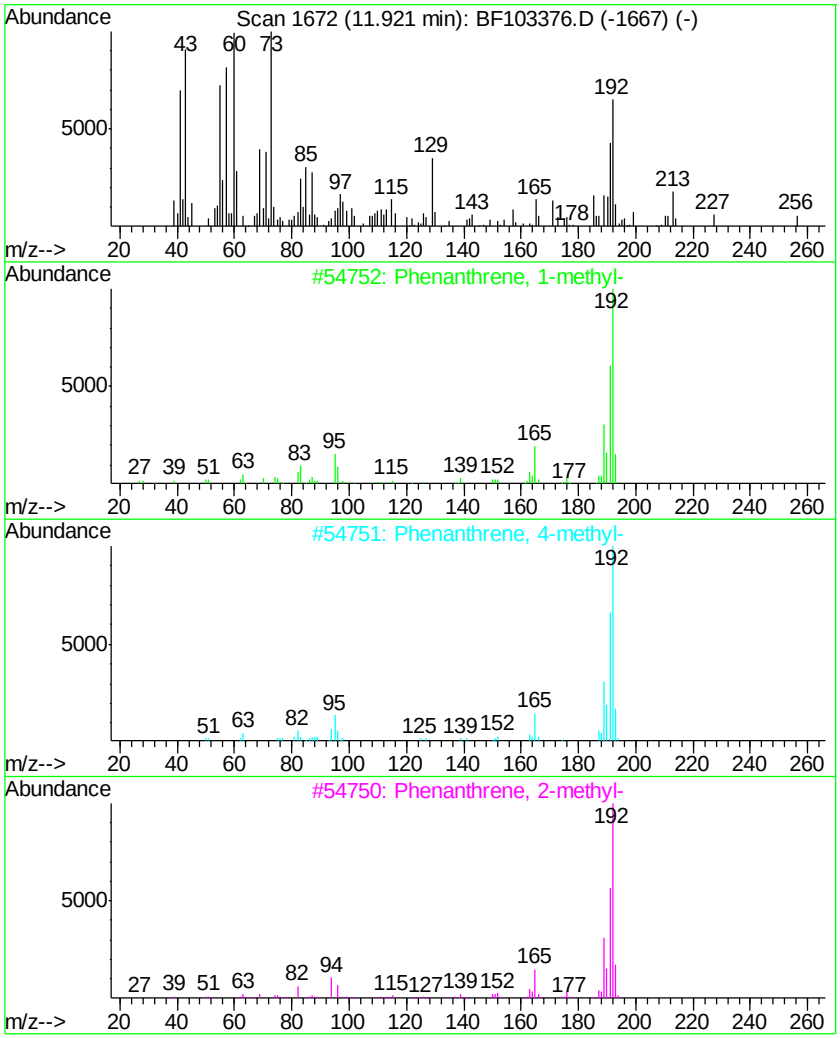
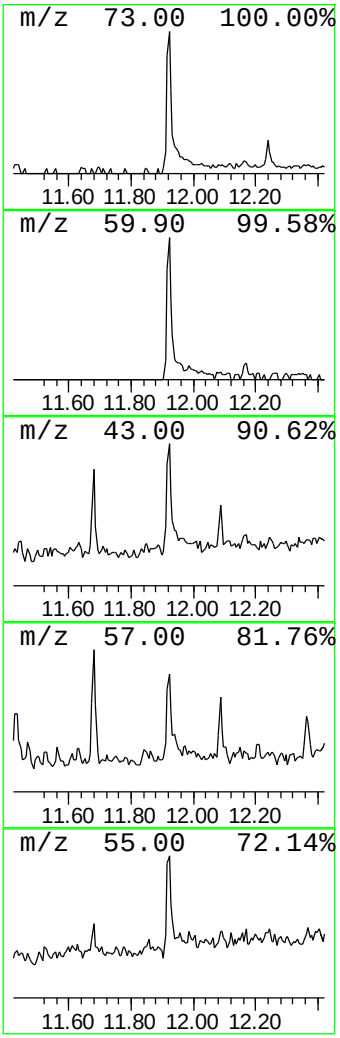
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	3.61 ng	174318	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103376.D
Acq On : 2 Mar 2018 20:10
Operator : SJ/JU
Sample : J1720-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-42

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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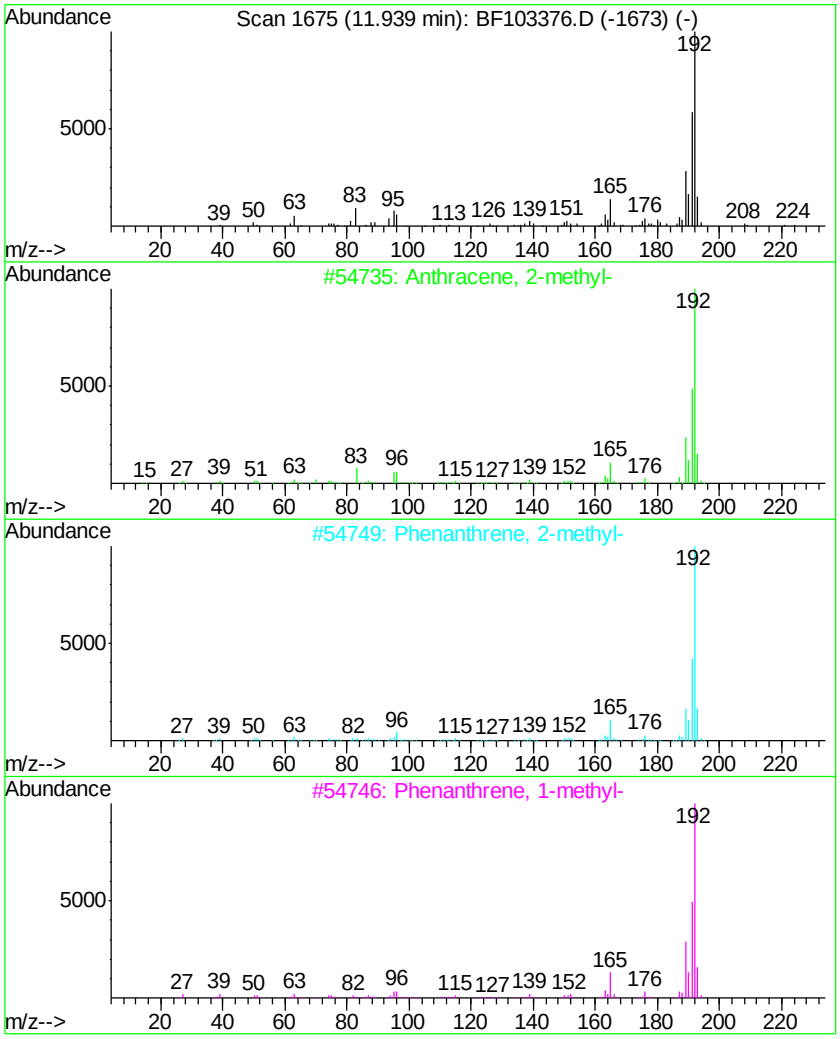
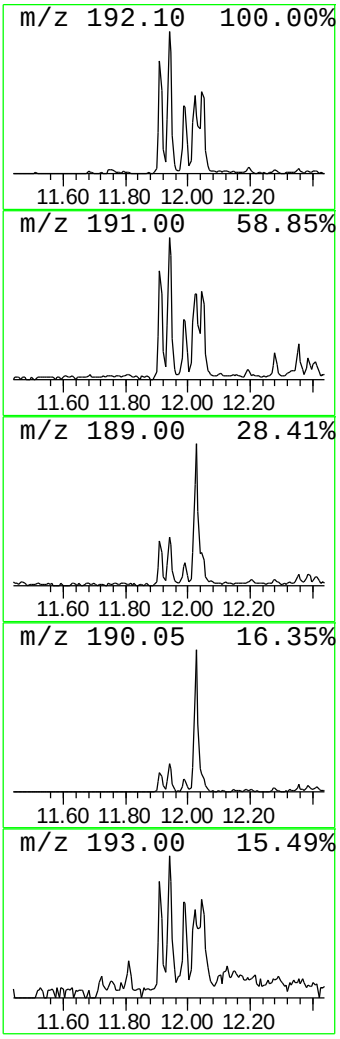
Peak Number 10 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	2.64 ng	127573	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103376.D
Acq On : 2 Mar 2018 20:10
Operator : SJ/JU
Sample : J1720-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-42

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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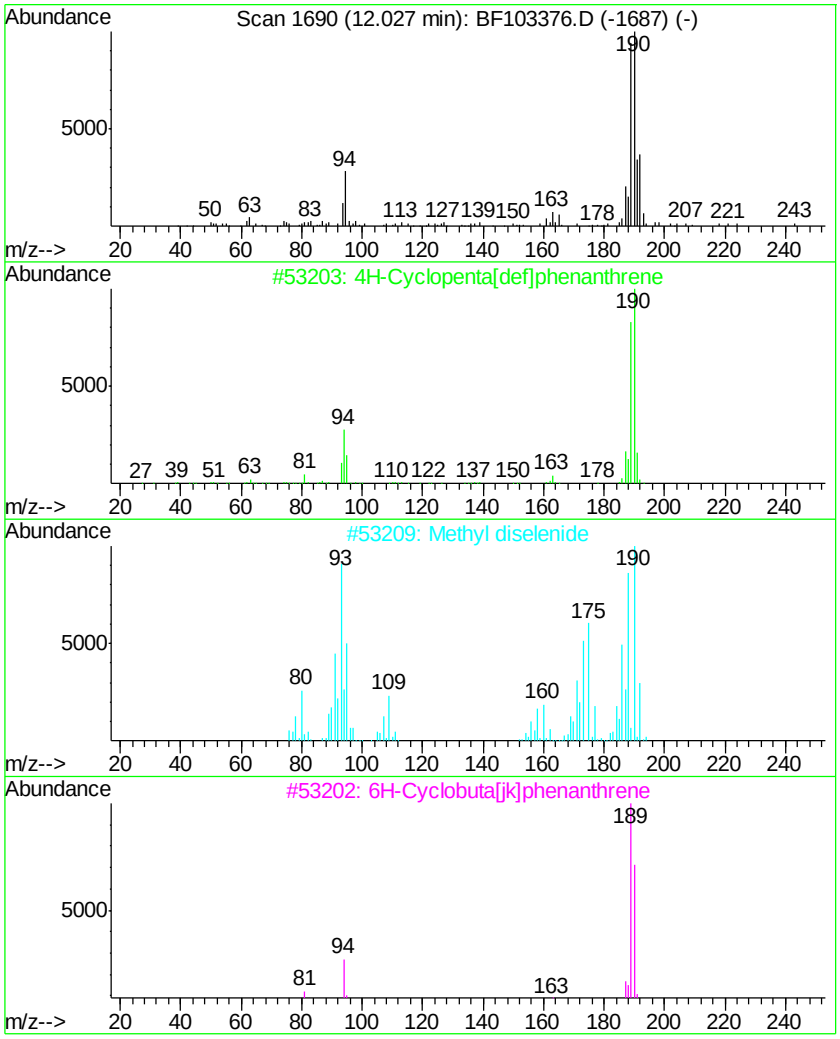
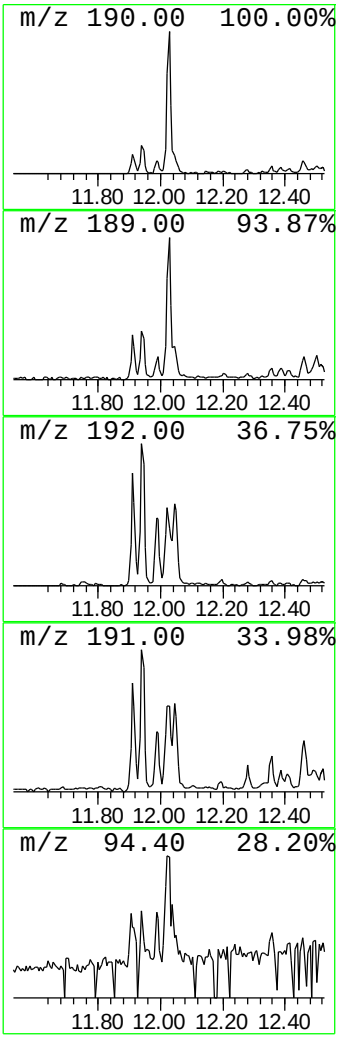
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	3.06 ng	147962	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	Methyl diselenide	190	C2H6Se2	007101-31-7	46
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45
4	1-Aminocyclopentanecarboxylic ac...	347	C17H30ClNO4	1000329-16-9	27
5	1-(Phenylethynyl)-1H-1,2,3-benzo...	219	C14H9N3	209912-23-2	12





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Sample : J1720-19
Misc :
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Instrument : BNA_F
ClientSampleId : SP-42

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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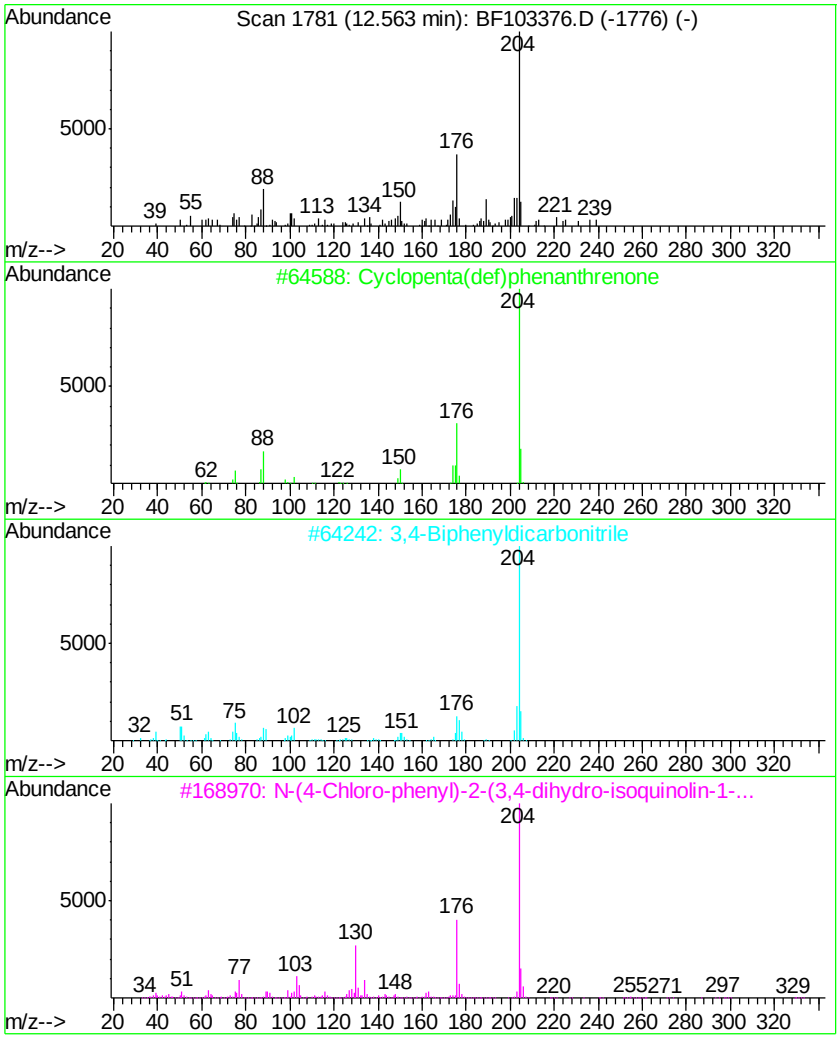
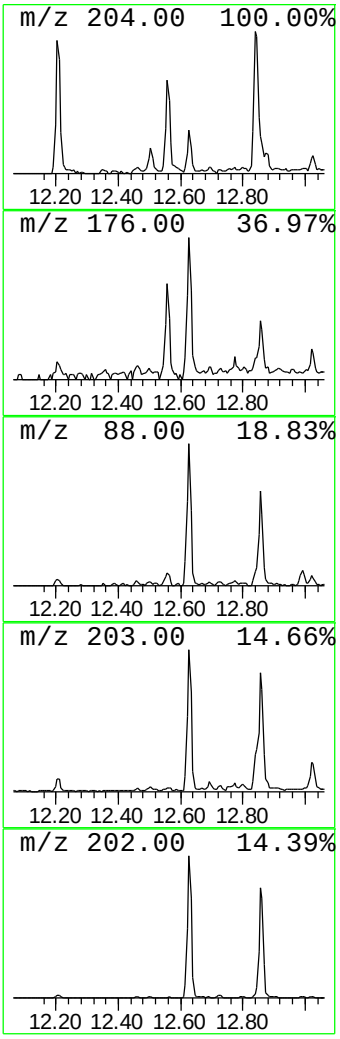
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	2.19 ng	105912	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
3	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	53
4	4-Methyl-6,7-methylenedioxycoumarin	204	C11H8O4	015071-04-2	52
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50





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Sample : J1720-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-42

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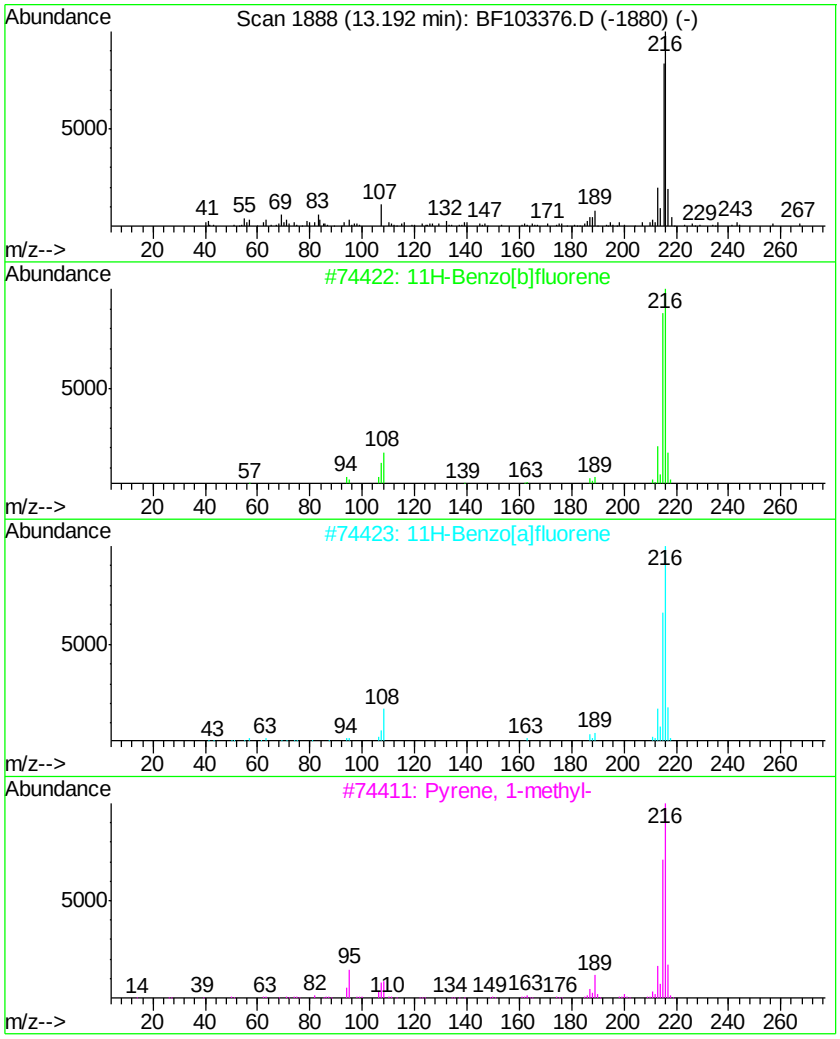
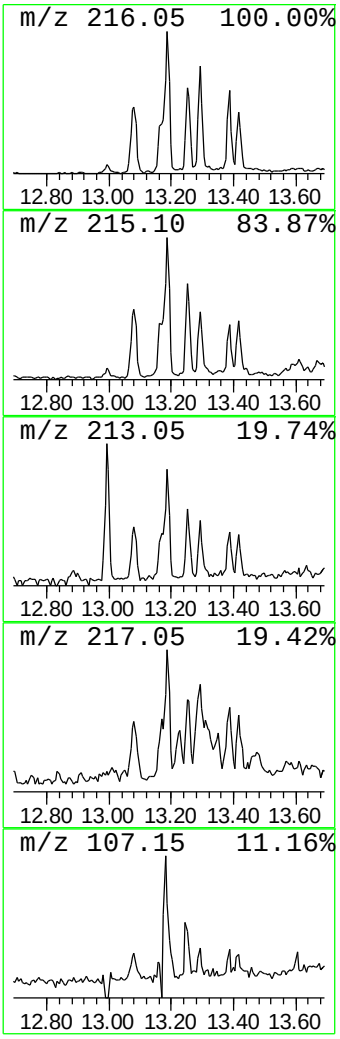
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	3.02 ng	175846	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	Benzoic acid, 3-(3,5-dimethyl-1-...	216	C12H12N2O2	312531-88-7	58





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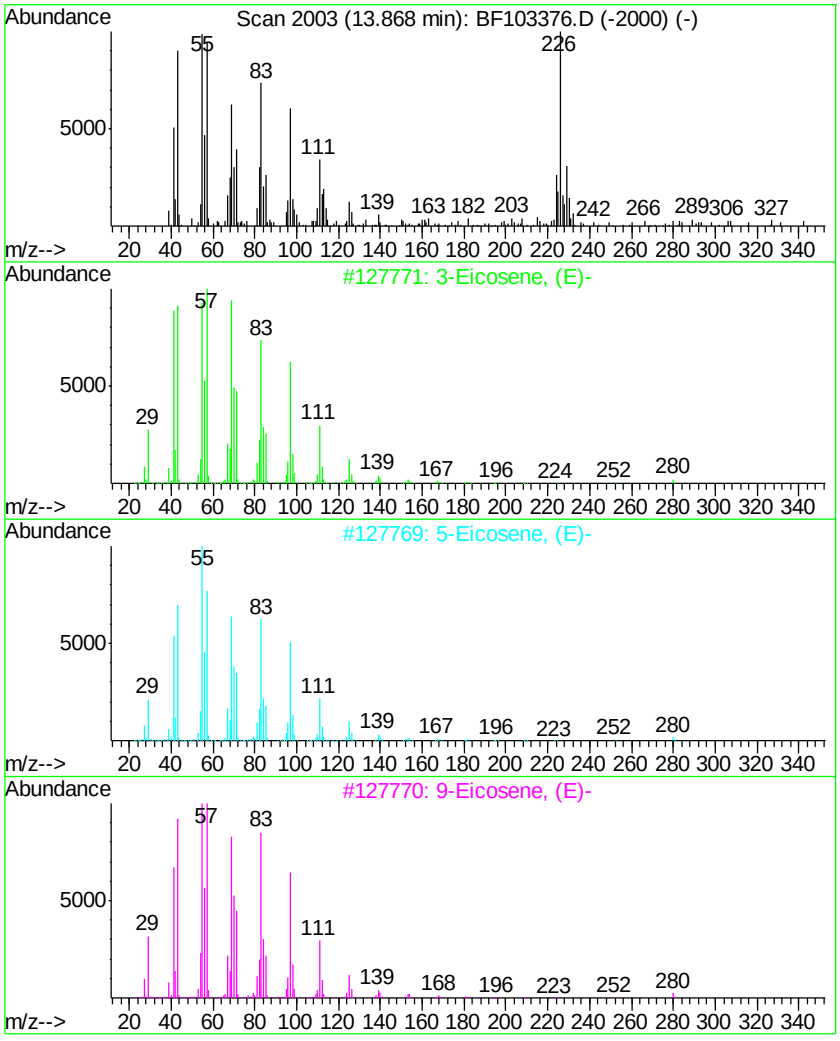
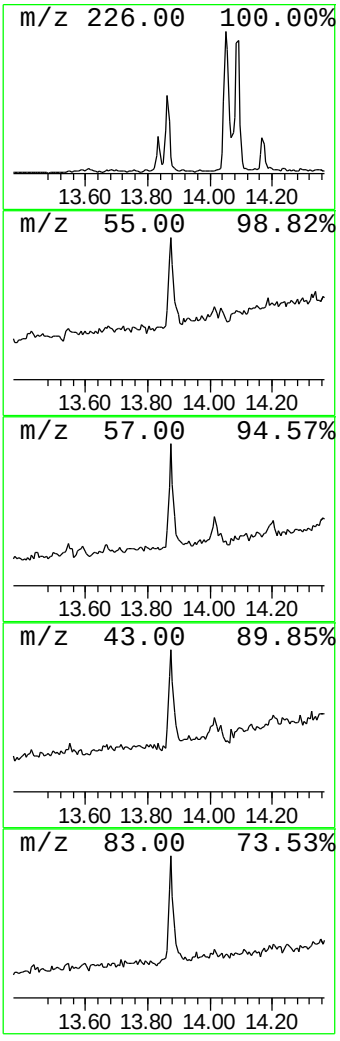
Peak Number 14 3-Eicosene, (E)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	5.16 ng	300421	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	98
2	5-Eicosene, (E)-	280	C20H40	074685-30-6	95
3	9-Eicosene, (E)-	280	C20H40	074685-29-3	89
4	Cyclotetracosane	336	C24H48	000297-03-0	86
5	1-Docosene	308	C22H44	001599-67-3	86





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Sample : J1720-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-42

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TIC Integration Parameters: LSCINT.P

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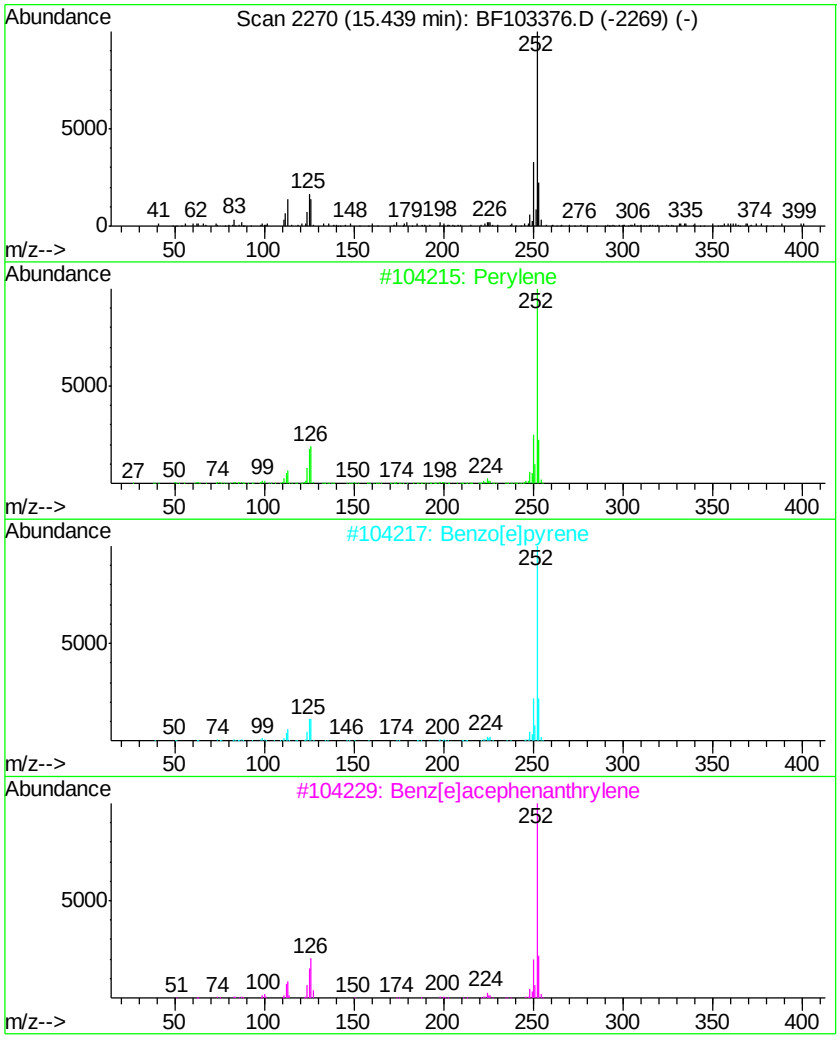
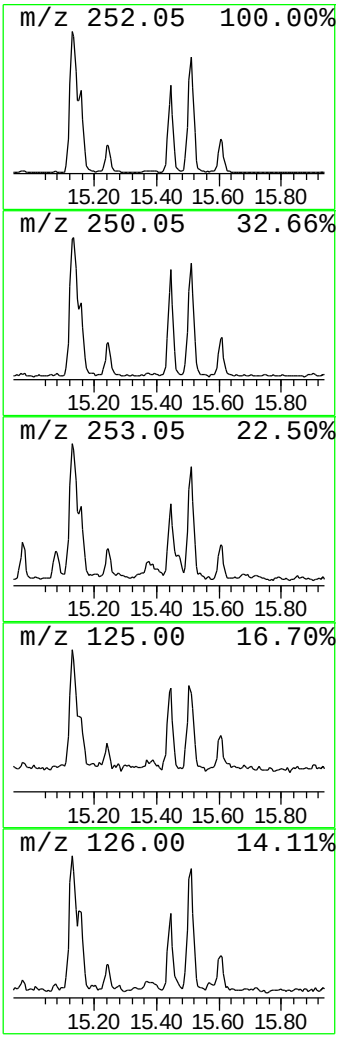
Peak Number 15 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	7.67 ng	176532	Perylene-d12	15.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	96
2	Benzo[e]pyrene	252	C20H12	000192-97-2	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Tentatively Identified Compound (LSC) summary

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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...	2.15	8.3	ng	418244	1	6.87	1007270	20.0
2-Pentanone, 4-hy...	5.12	2.9	ng	145275	1	6.87	1007270	20.0
unknown6.65	6.65	73.8	ng	3718630	1	6.87	1007270	20.0
Hexadecane	9.83	2.5	ng	147290	3	9.92	1164560	20.0
Pentadecane	10.33	3.1	ng	182997	3	9.92	1164560	20.0
Tetradecane	10.80	5.1	ng	245742	4	11.41	966985	20.0
Phenanthrene, 1-m...	11.92	3.6	ng	174318	4	11.41	966985	20.0
Anthracene, 2-met...	11.94	2.6	ng	127573	4	11.41	966985	20.0
4H-Cyclopenta[def...	12.03	3.1	ng	147962	4	11.41	966985	20.0
Cyclopenta(def)ph...	12.56	2.2	ng	105912	4	11.41	966985	20.0
11H-Benzo[b]fluorene	13.19	3.0	ng	175846	5	14.06	1163890	20.0
3-Eicosene, (E)-	13.87	5.2	ng	300421	5	14.06	1163890	20.0
Perylene	15.44	7.7	ng	176532	6	15.57	460049	20.0