LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103241.D
Acq On : 27 Feb 2018 1:55
Operator : SJ/JU
Sample : J1660-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4632

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	2.140	3	9	16	rVB	943642	1233695	30.64%	2.874%
2	5.110	511	514	532	rVB	151917	212454	5.28%	0.495%
3	5.504	576	581	584	rBV	3721711	3892455	96.66%	9.069%
4	6.516	747	753	771	rBV2	3446928	4026843	100.00%	9.382%
5	6.651	771	776	779	rBV	3728047	3751002	93.15%	8.739%
6	6.875	810	814	818	rBV	1258868	999671	24.83%	2.329%
7	7.034	836	841	844	rBV	3039719	2880033	71.52%	6.710%
8	7.440	905	910	913	rBV	2358675	2302314	57.17%	5.364%
9	8.157	1028	1032	1050	rVB	1450561	1312943	32.60%	3.059%
10	9.234	1210	1215	1218	rBV	3494120	3290088	81.70%	7.665%
11	9.298	1224	1226	1230	rVB	61838	55702	1.38%	0.130%
12	9.575	1264	1273	1275	rBV4	35784	55894	1.39%	0.130%
13	9.622	1278	1281	1289	rVB	359099	328379	8.15%	0.765%
14	9.775	1304	1307	1313	rBV	88788	89221	2.22%	0.208%
15	9.834	1313	1317	1321	rVB	165702	144554	3.59%	0.337%
16	9.916	1327	1331	1334	rBV	1297141	1148520	28.52%	2.676%
17	9.945	1334	1336	1339	rVB	118093	91545	2.27%	0.213%
18	10.122	1363	1366	1369	rVV2	62446	63500	1.58%	0.148%
19	10.151	1369	1371	1375	rVB2	51131	46590	1.16%	0.109%
20	10.333	1395	1402	1404	rBV2	193944	201538	5.00%	0.470%
21	10.463	1421	1424	1430	rVB	134788	118940	2.95%	0.277%
22	10.551	1430	1439	1441	rBV2	64395	90170	2.24%	0.210%
23	10.710	1461	1466	1475	rBV	1722965	1743145	43.29%	4.061%
24	10.804	1479	1482	1486	rBV	125068	123583	3.07%	0.288%
25	11.016	1512	1518	1520	rBV2	37225	55135	1.37%	0.128%
26	11.251	1555	1558	1561	rBV	61122	51313	1.27%	0.120%
27	11.304	1565	1567	1572	rVB	49319	41795	1.04%	0.097%
28	11.404	1581	1584	1586	rBV	1067614	955056	23.72%	2.225%
29	11.428	1586	1588	1593	rVV	944702	818004	20.31%	1.906%
30	11.480	1593	1597	1601	rVV	258084	225866	5.61%	0.526%
31	11.639	1618	1624	1628	rBV2	84145	111391	2.77%	0.260%
32	11.910	1666	1670	1672	rBV	137108	173327	4.30%	0.404%
33	11.933	1672	1674	1679	rVV	181286	187402	4.65%	0.437%
34	11.986	1679	1683	1685	rVV	70159	72359	1.80%	0.169%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103241.D
Acq On : 27 Feb 2018 1:55
Operator : SJ/JU
Sample : J1660-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4632

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	12.022	1685	1689	1691	rVV	245820	263846	6.55%	0.615%
36	12.039	1691	1692	1697	rVB	93636	82640	2.05%	0.193%
37	12.198	1716	1719	1722	rVV	85696	85880	2.13%	0.200%
38	12.233	1722	1725	1729	rVB	98330	86082	2.14%	0.201%
39	12.351	1740	1745	1747	rBV2	38999	44215	1.10%	0.103%
40	12.457	1757	1763	1765	rBV	88205	100260	2.49%	0.234%
41	12.498	1765	1770	1772	rVV3	54066	96093	2.39%	0.224%
42	12.551	1775	1779	1782	rBV3	70229	90197	2.24%	0.210%
43	12.622	1787	1791	1795	rBV	1353546	1302578	32.35%	3.035%
44	12.775	1810	1817	1818	rBV4	58080	78411	1.95%	0.183%
45	12.798	1818	1821	1824	rVB	368240	308898	7.67%	0.720%
46	12.857	1824	1831	1836	rBV	1154272	1430236	35.52%	3.332%
47	12.898	1836	1838	1843	rVB2	65034	68588	1.70%	0.160%
48	12.992	1847	1854	1857	rBV	2371777	2354505	58.47%	5.486%
49	13.069	1863	1867	1871	rBV3	94331	158679	3.94%	0.370%
50	13.157	1879	1882	1883	rBV2	85440	89111	2.21%	0.208%
51	13.180	1883	1886	1889	rVB	210394	207114	5.14%	0.483%
52	13.245	1894	1897	1900	rBV	156520	132318	3.29%	0.308%
53	13.286	1900	1904	1907	rVV2	124485	131559	3.27%	0.307%
54	13.380	1917	1920	1922	rBV	68052	60532	1.50%	0.141%
55	13.410	1922	1925	1929	rVV2	73100	76767	1.91%	0.179%
56	13.504	1937	1941	1944	rVB	260694	232429	5.77%	0.542%
57	13.692	1970	1973	1976	rVB	93184	94456	2.35%	0.220%
58	13.804	1989	1992	1994	rBV	89796	88696	2.20%	0.207%
59	13.827	1994	1996	1998	rVB	91736	64417	1.60%	0.150%
60	13.874	1998	2004	2007	rBV4	461632	550427	13.67%	1.282%
61	14.051	2029	2034	2037	rBV2	951415	1309916	32.53%	3.052%
62	14.080	2037	2039	2046	rVB	537918	474770	11.79%	1.106%
63	14.139	2046	2049	2051	rBV3	91856	88182	2.19%	0.205%
64	14.163	2051	2053	2055	rVB	80377	55272	1.37%	0.129%
65	14.198	2056	2059	2065	rVV4	52960	86557	2.15%	0.202%
66	14.445	2099	2101	2103	rVB	93149	75945	1.89%	0.177%
67	14.504	2109	2111	2116	rVB4	76307	93085	2.31%	0.217%
68	15.116	2211	2215	2218	rBV	322384	507516	12.60%	1.182%
69	15.427	2264	2268	2273	rVB	175217	230732	5.73%	0.538%
70	15.486	2275	2278	2283	rVB	274795	326729	8.11%	0.761%
71	15.551	2285	2289	2293	rBV	373740	499769	12.41%	1.164%

LSC Area Percent Report

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Data File : BF103241.D
Acq On : 27 Feb 2018 1:55
Operator : SJ/JU
Sample : J1660-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT-4632

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

Sum of corrected areas: 42921834

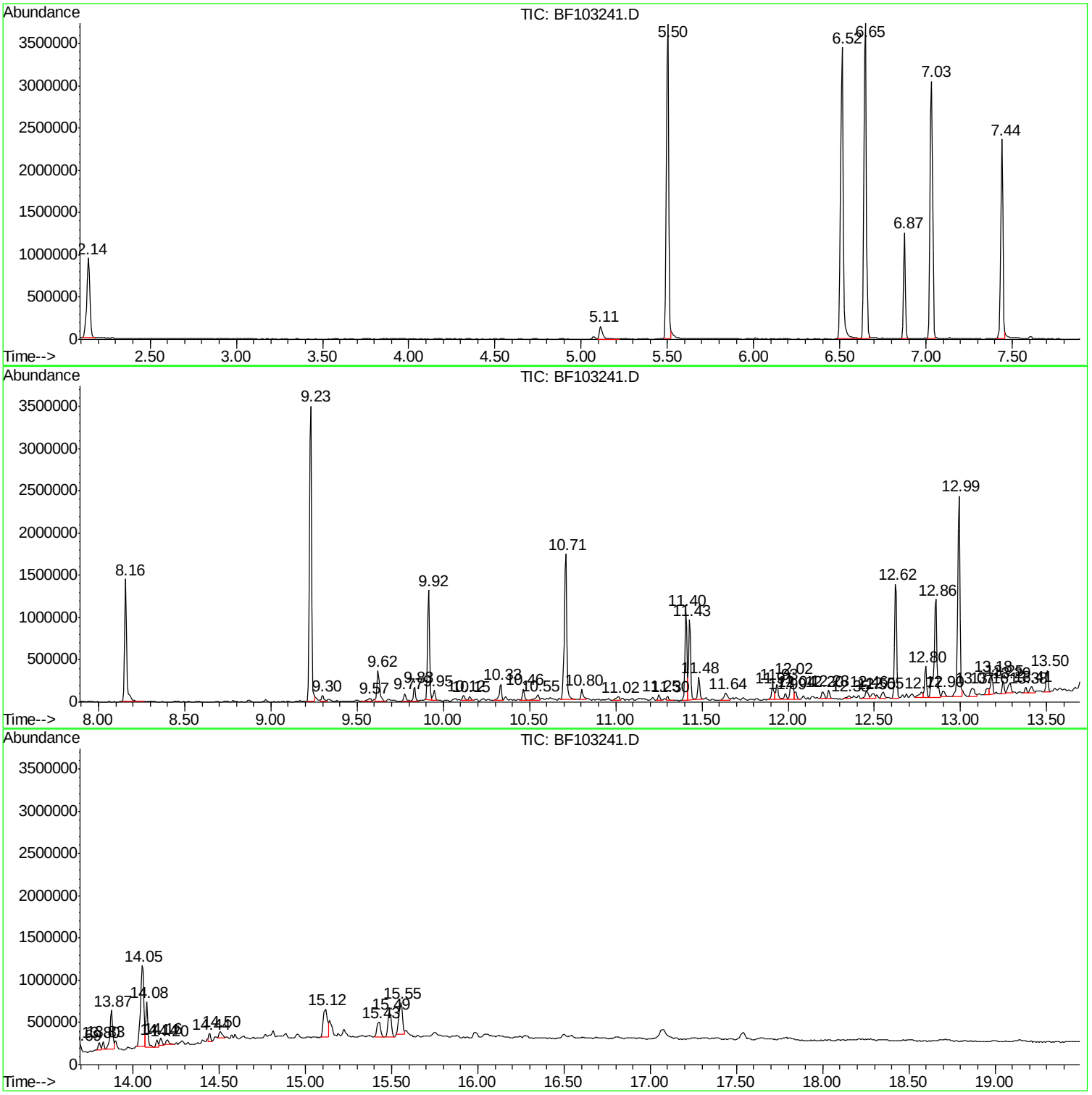
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103241.D
Acq On : 27 Feb 2018 1:55
Operator : SJ/JU
Sample : J1660-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4632

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103241.D
Acq On : 27 Feb 2018 1:55
Operator : SJ/JU
Sample : J1660-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4632

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

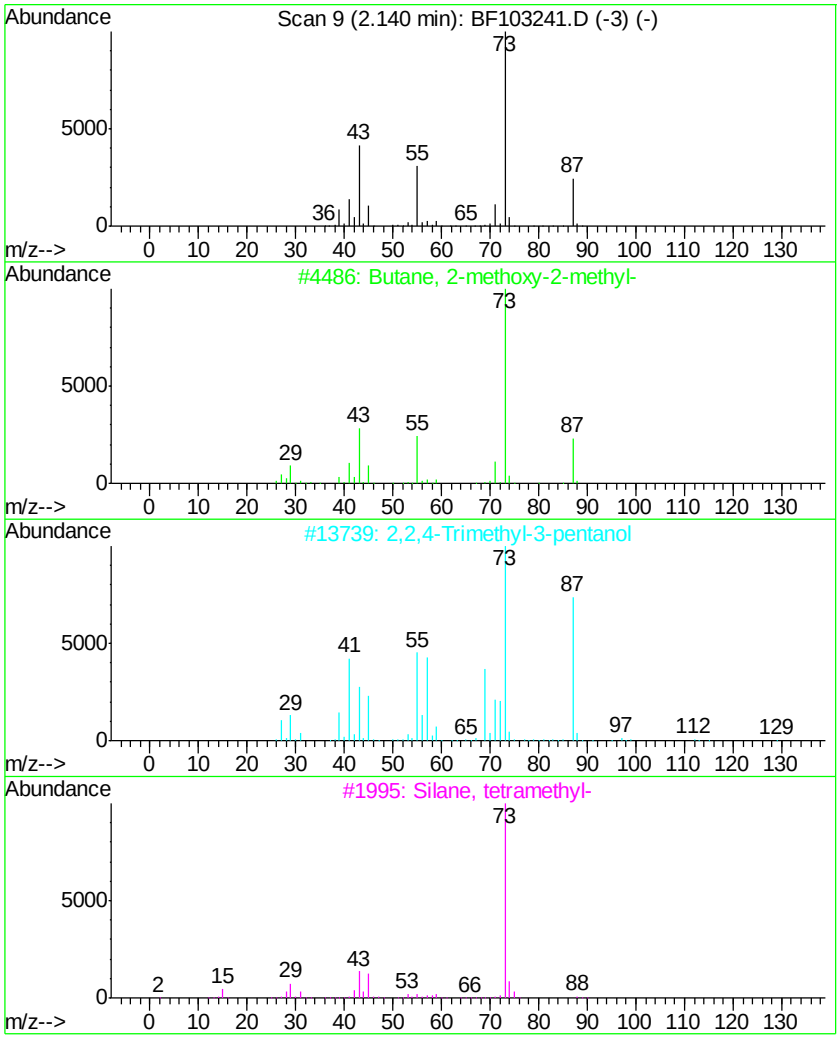
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

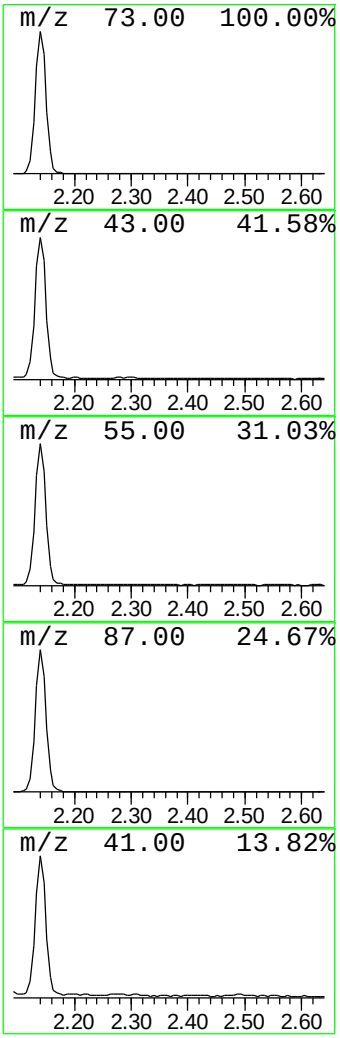
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.14	24.68 ng	1233700	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	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	38
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103241.D
Acq On : 27 Feb 2018 1:55
Operator : SJ/JU
Sample : J1660-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4632

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

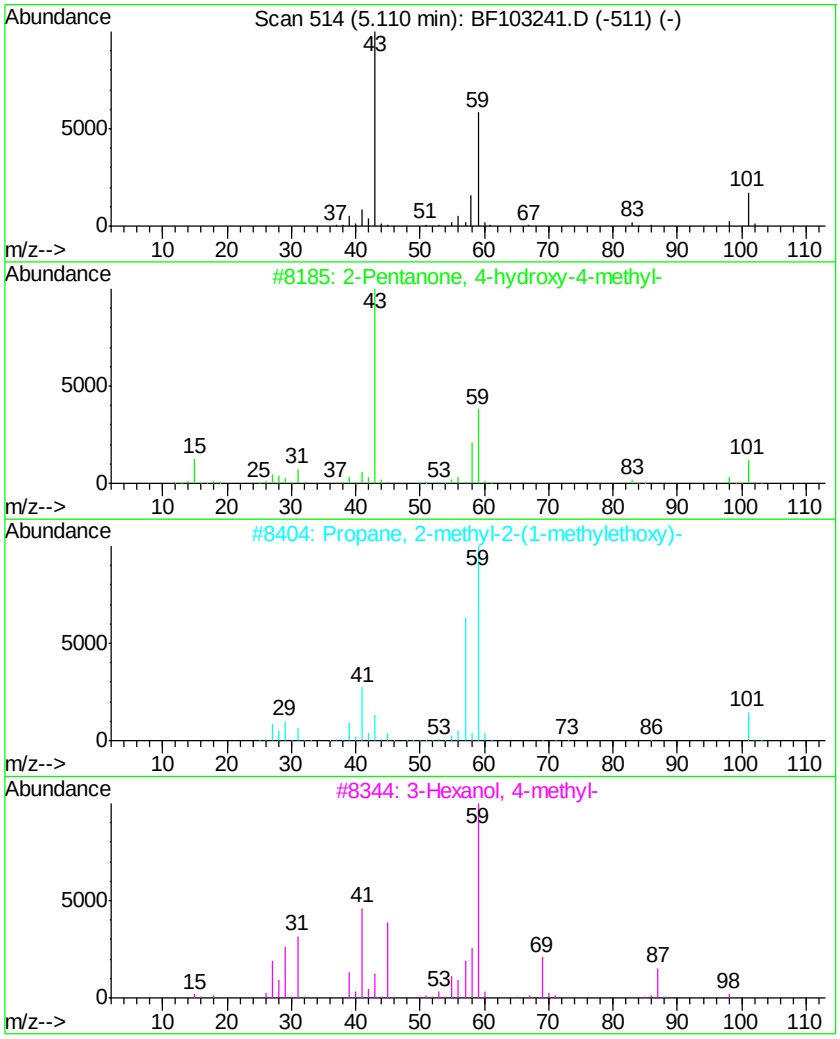
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

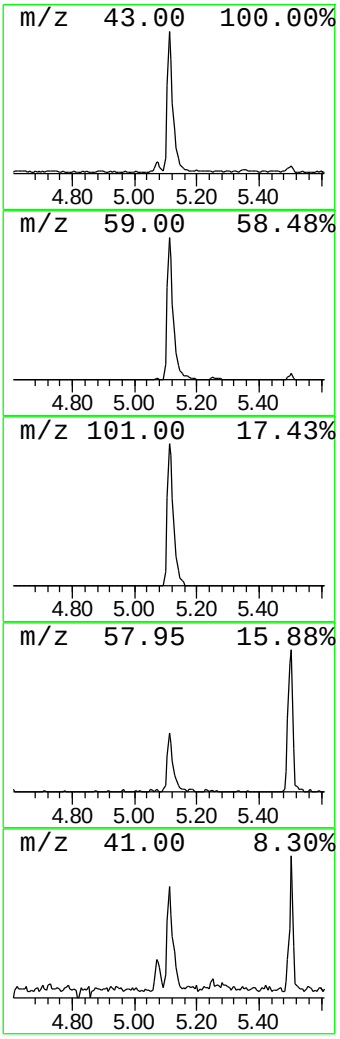
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.11	4.25 ng	212454	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	53
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	42
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
5	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	23





Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103241.D
Acq On : 27 Feb 2018 1:55
Operator : SJ/JU
Sample : J1660-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4632

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

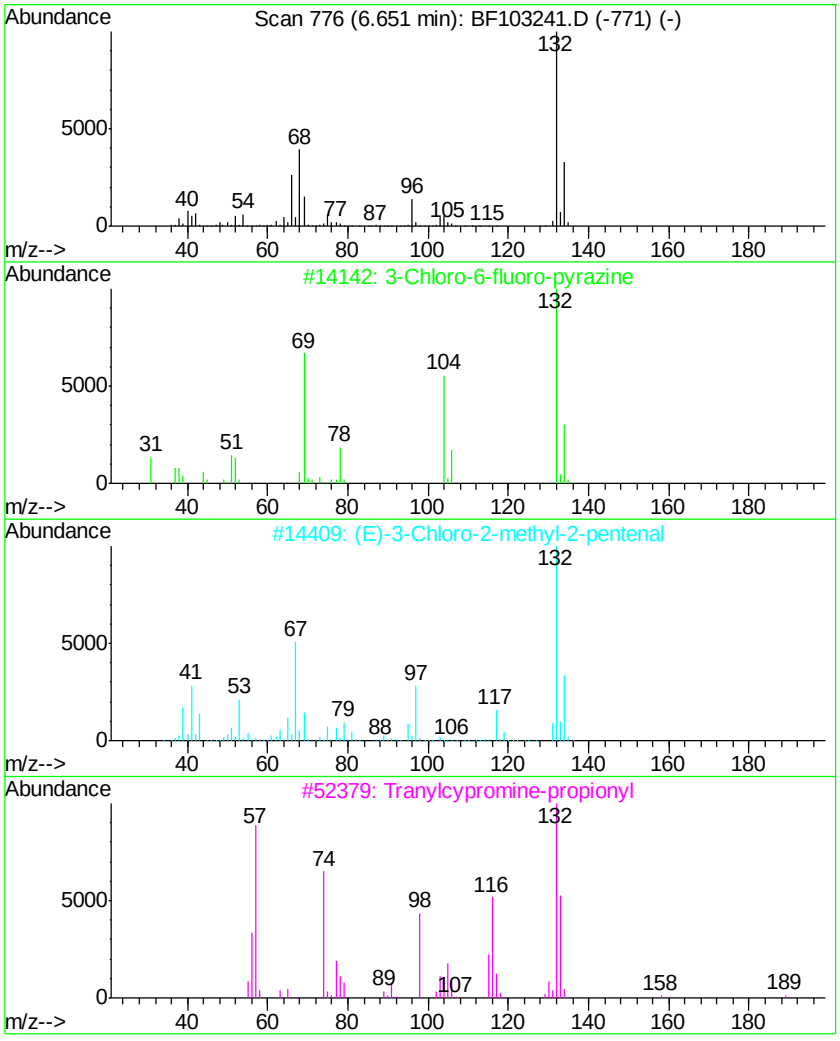
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

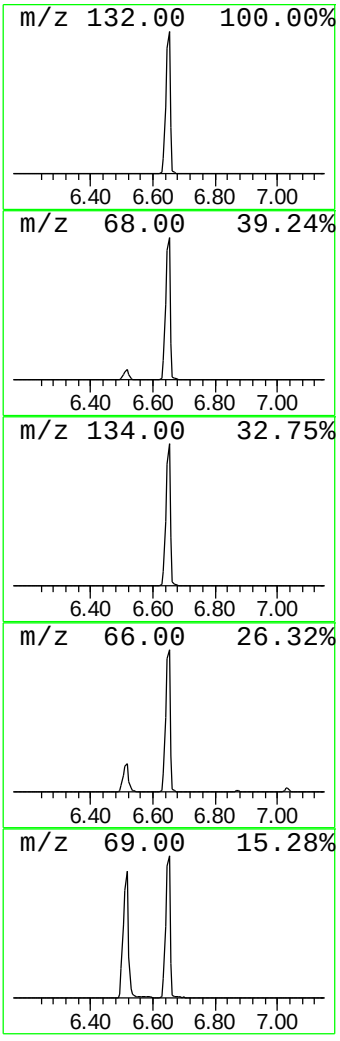
****

Peak Number 3 unknown6.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	75.04 ng	3751000	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	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





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Instrument : BNA_F
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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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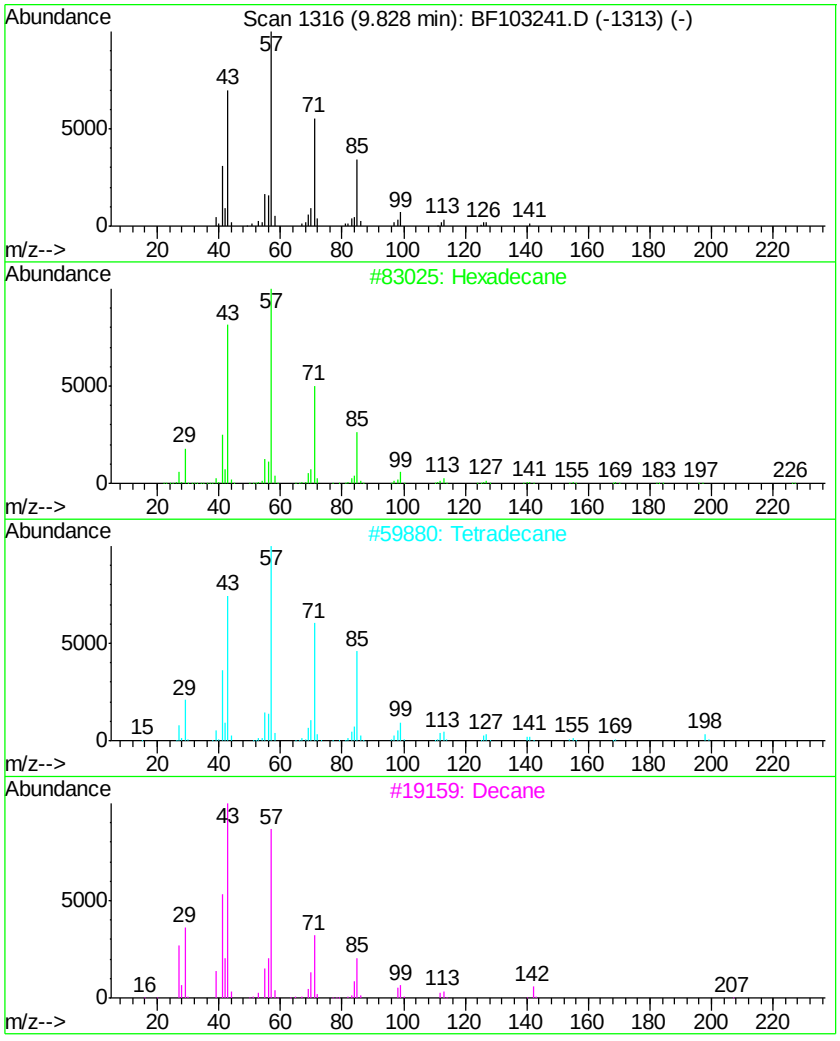
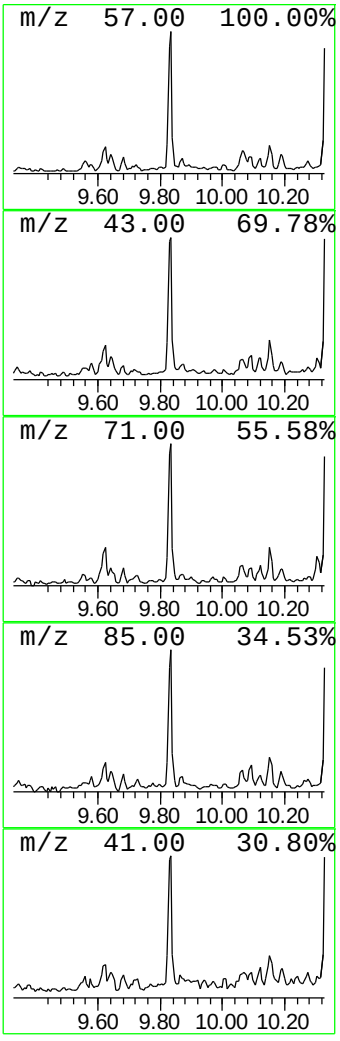
Peak Number 5 Hexadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.83	2.52 ng	144554	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Tetradecane	198	C14H30	000629-59-4	64
3	Decane	142	C10H22	000124-18-5	64
4	Tridecane	184	C13H28	000629-50-5	64
5	Tridecane, 6-methyl-	198	C14H30	013287-21-3	64





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Sample : J1660-01
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ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4632

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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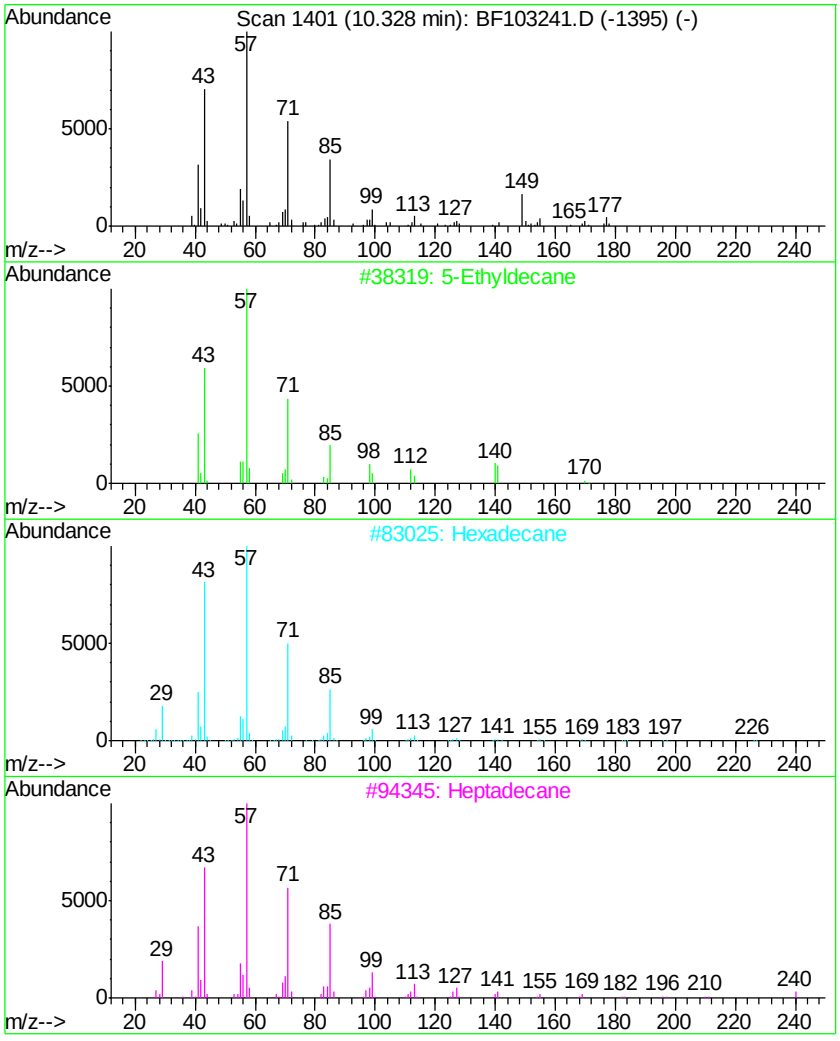
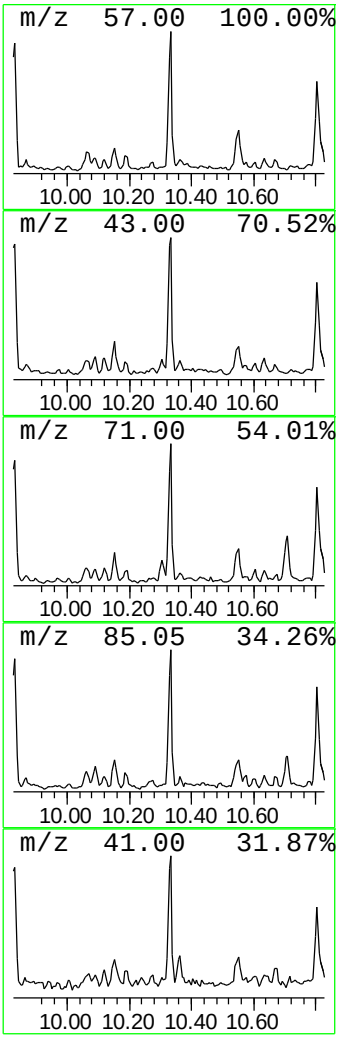
Peak Number 6 5-Ethyldecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.33	3.51 ng	201538	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Ethyldecane	170	C12H26	017302-36-2	91
2	Hexadecane	226	C16H34	000544-76-3	87
3	Heptadecane	240	C17H36	000629-78-7	86
4	Tridecane	184	C13H28	000629-50-5	86
5	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	80





Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103241.D
Acq On : 27 Feb 2018 1:55
Operator : SJ/JU
Sample : J1660-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4632

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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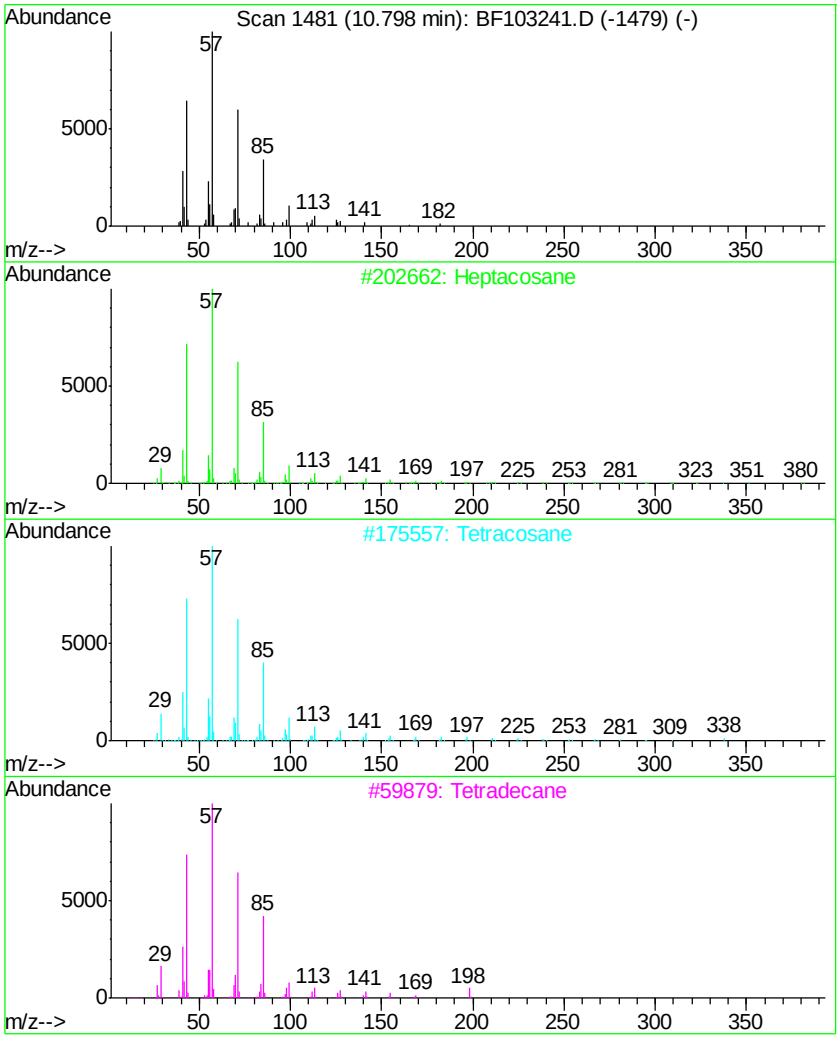
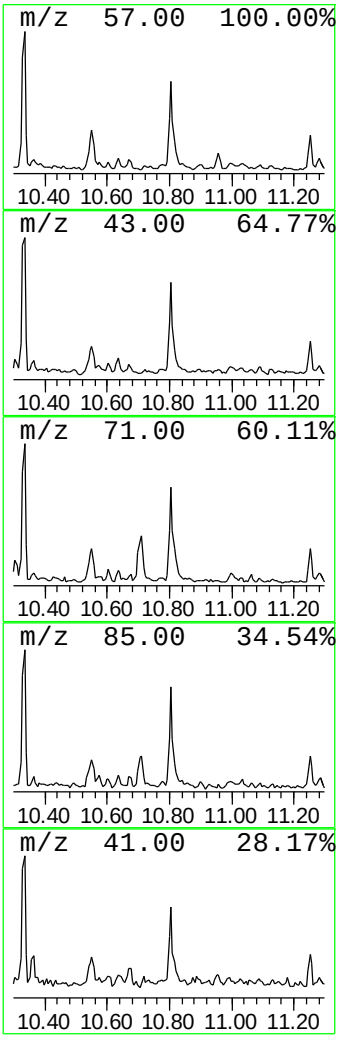
Peak Number 8 Heptacosane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	2.59 ng	123583	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	90
2	Tetracosane	338	C24H50	000646-31-1	90
3	Tetradecane	198	C14H30	000629-59-4	86
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
5	Eicosane	282	C20H42	000112-95-8	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103241.D
Acq On : 27 Feb 2018 1:55
Operator : SJ/JU
Sample : J1660-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4632

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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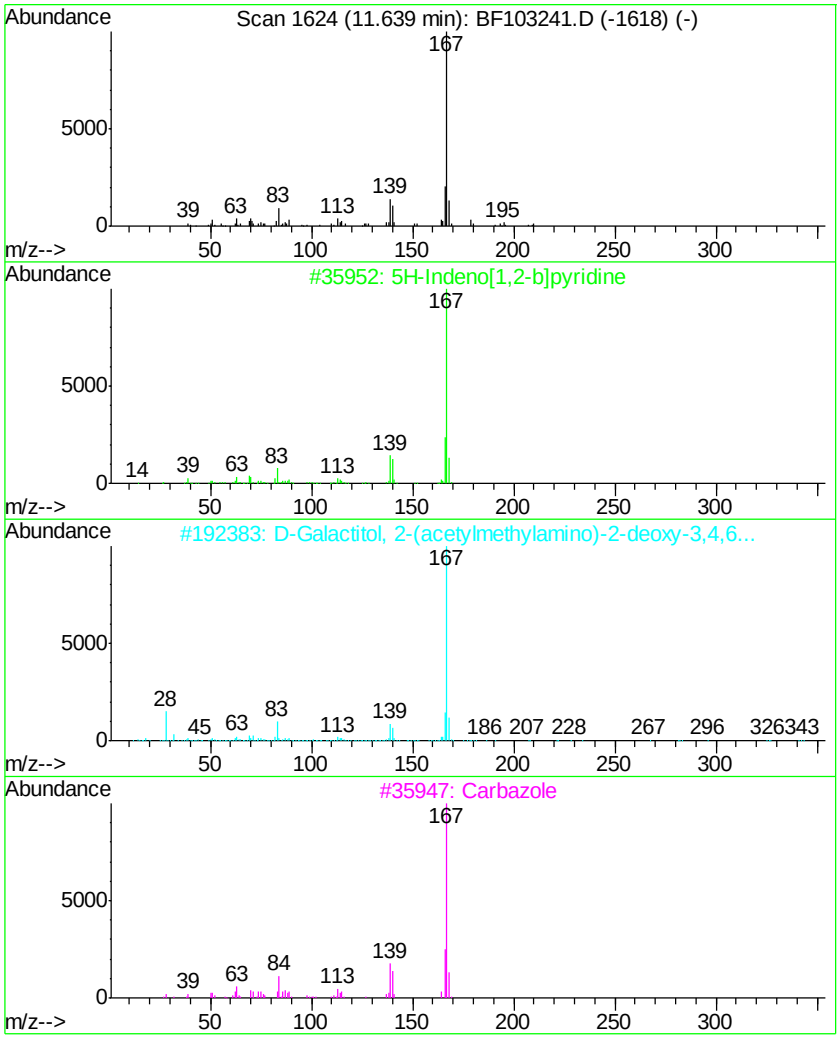
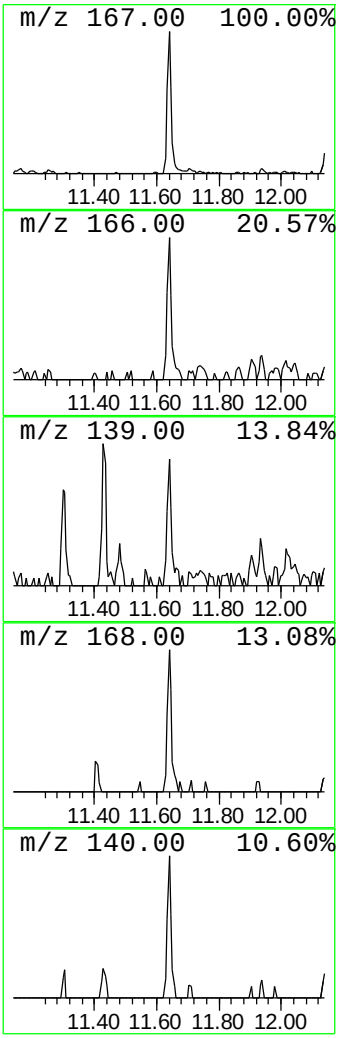
Peak Number 9 5H-Indeno[1,2-b]pyridine Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.64	2.33 ng	111391	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	95
2	D-Galactitol, 2-(acetylmethylami...	363	C16H29NO8	074410-42-7	91
3	Carbazole	167	C12H9N	000086-74-8	90
4	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	87
5	9H-Carbazole-9-methanol	197	C13H11NO	002409-36-1	87





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Data File : BF103241.D
Acq On : 27 Feb 2018 1:55
Operator : SJ/JU
Sample : J1660-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4632

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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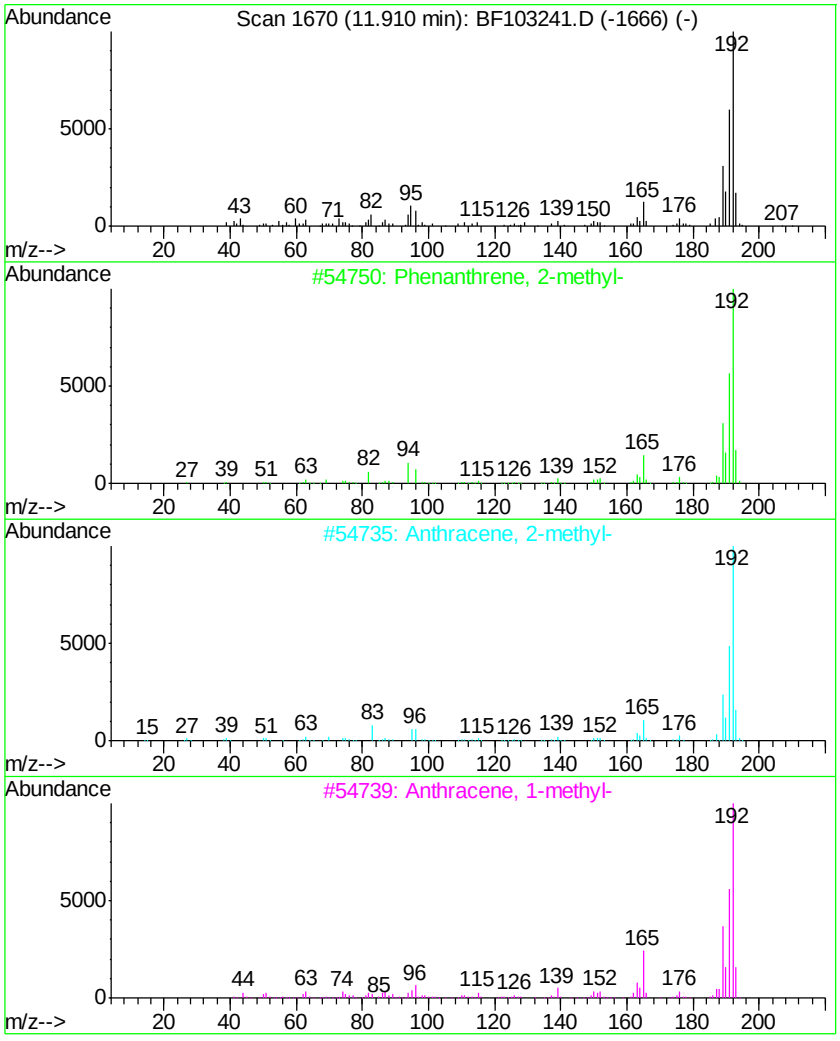
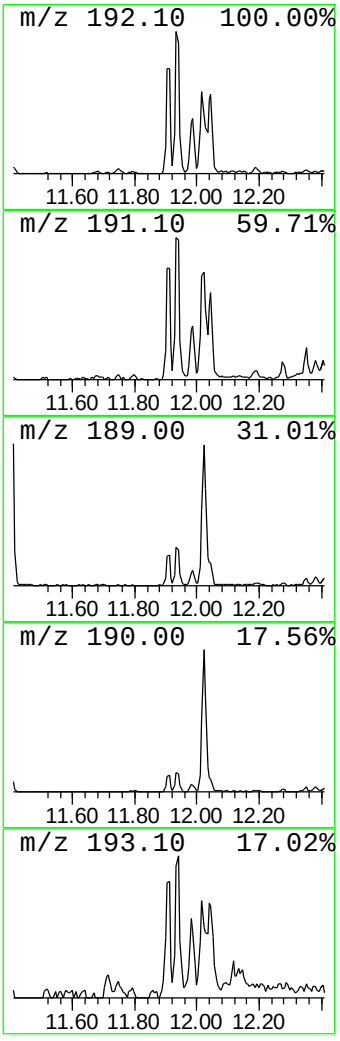
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	3.63 ng	173327	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Sample : J1660-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4632

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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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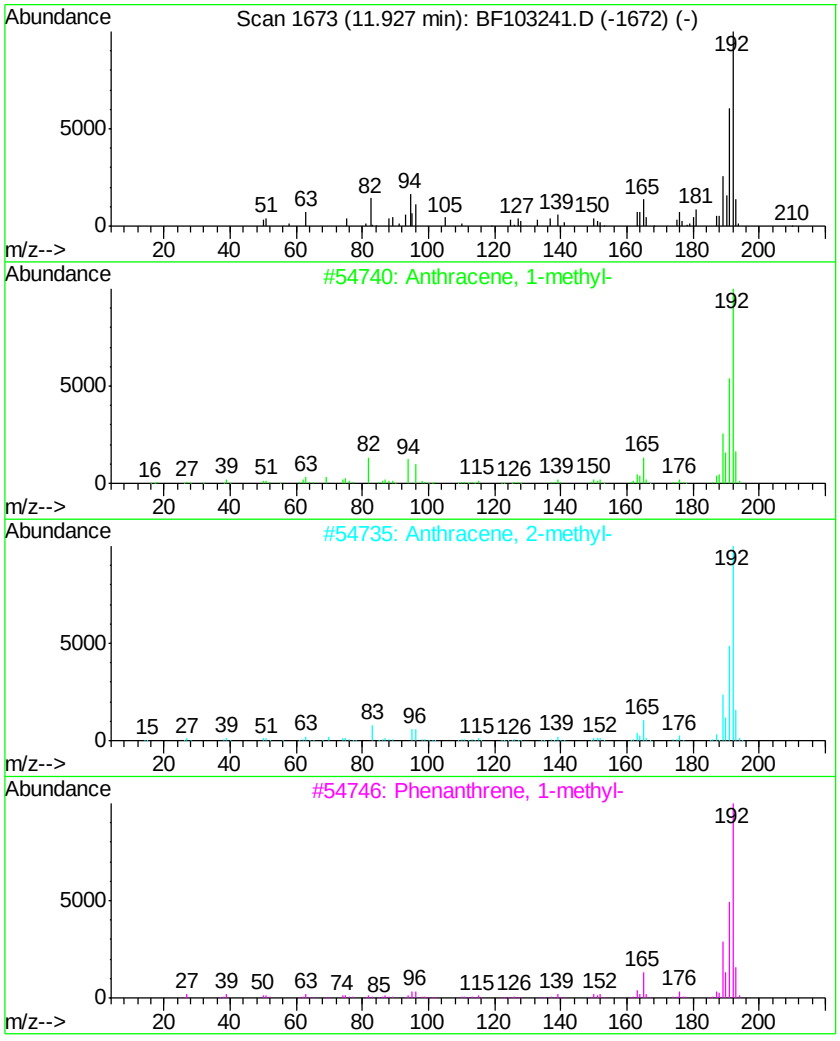
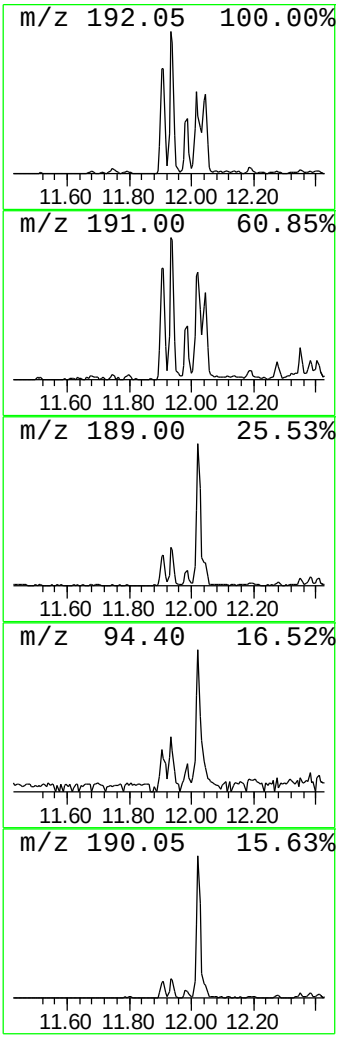
Peak Number 11 Anthracene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	3.92 ng	187402	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Operator : SJ/JU
Sample : J1660-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4632

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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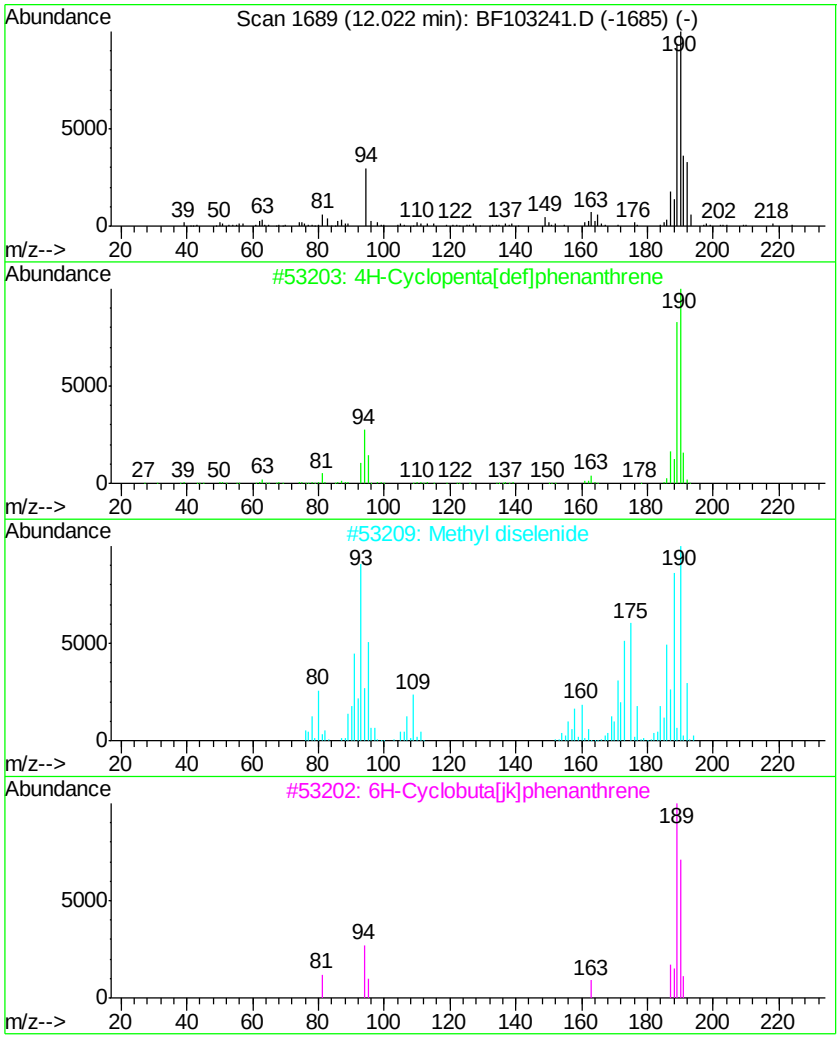
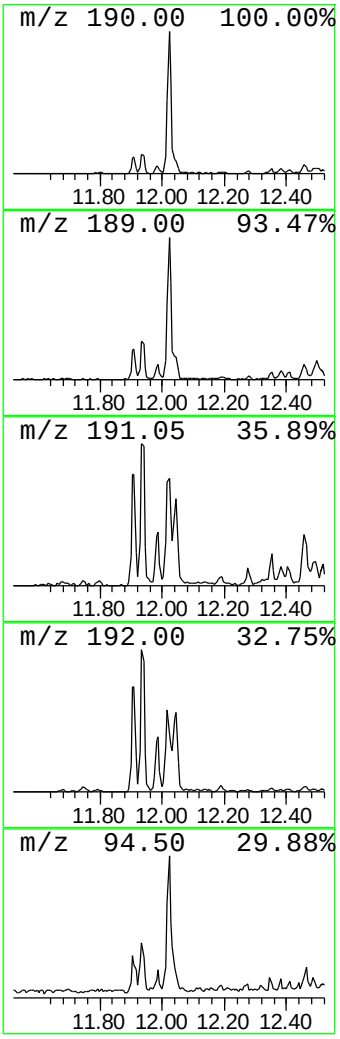
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	5.53 ng	263846	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Methyl diselenide	190	C2H6Se2	007101-31-7	55
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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Operator : SJ/JU
Sample : J1660-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4632

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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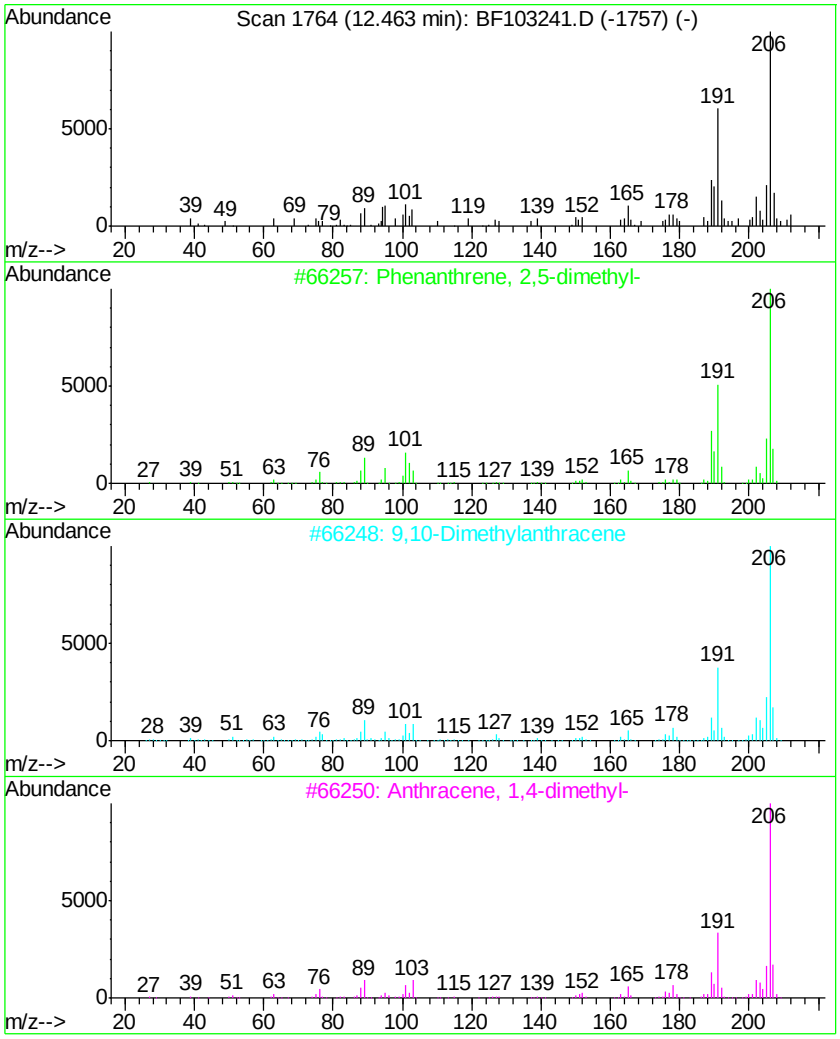
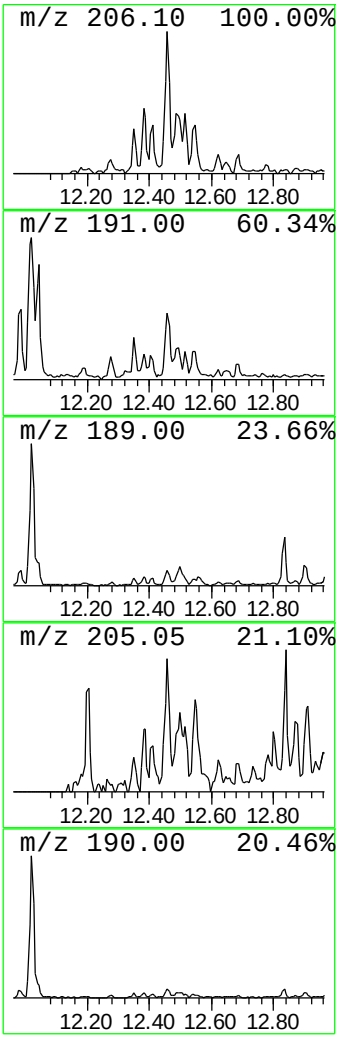
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	2.10 ng	100260	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	96
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	92





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Acq On : 27 Feb 2018 1:55
Operator : SJ/JU
Sample : J1660-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4632

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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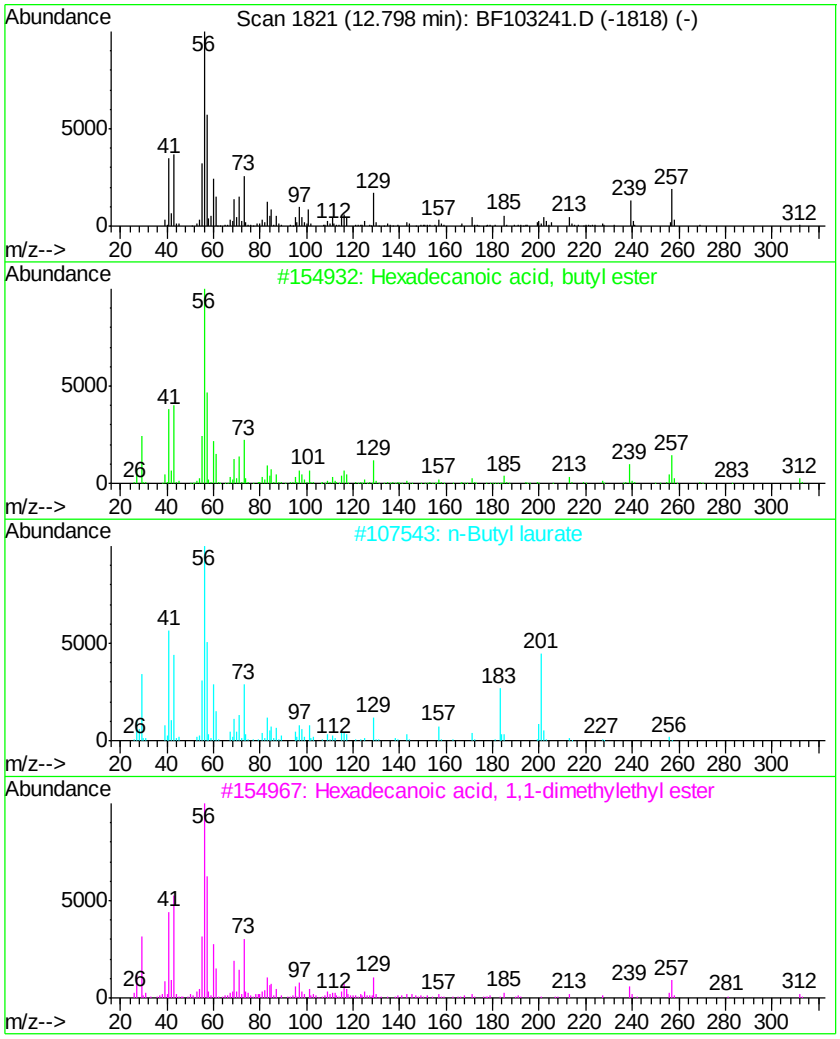
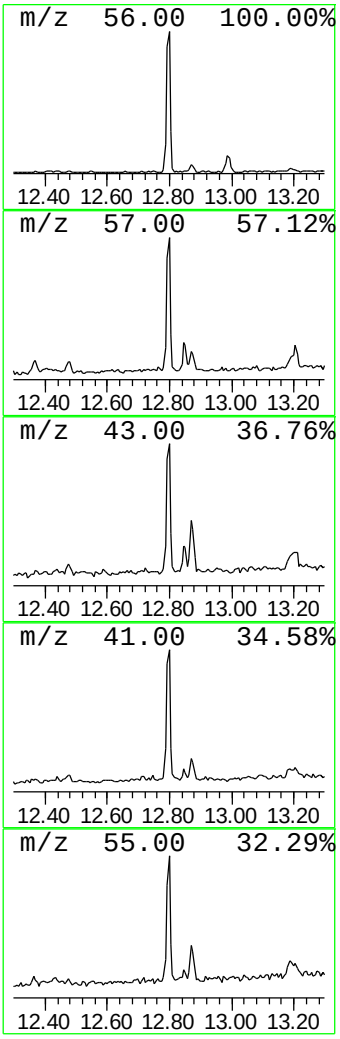
Peak Number 14 Hexadecanoic acid, butyl ester Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	4.72 ng	308898	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	91
2	n-Butyl laurate	256	C16H32O2	000106-18-3	91
3	Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	90
4	Cyclohexanol, 4-amino-, trans-	115	C6H13NO	027489-62-9	38
5	1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	35





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Acq On : 27 Feb 2018 1:55
Operator : SJ/JU
Sample : J1660-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4632

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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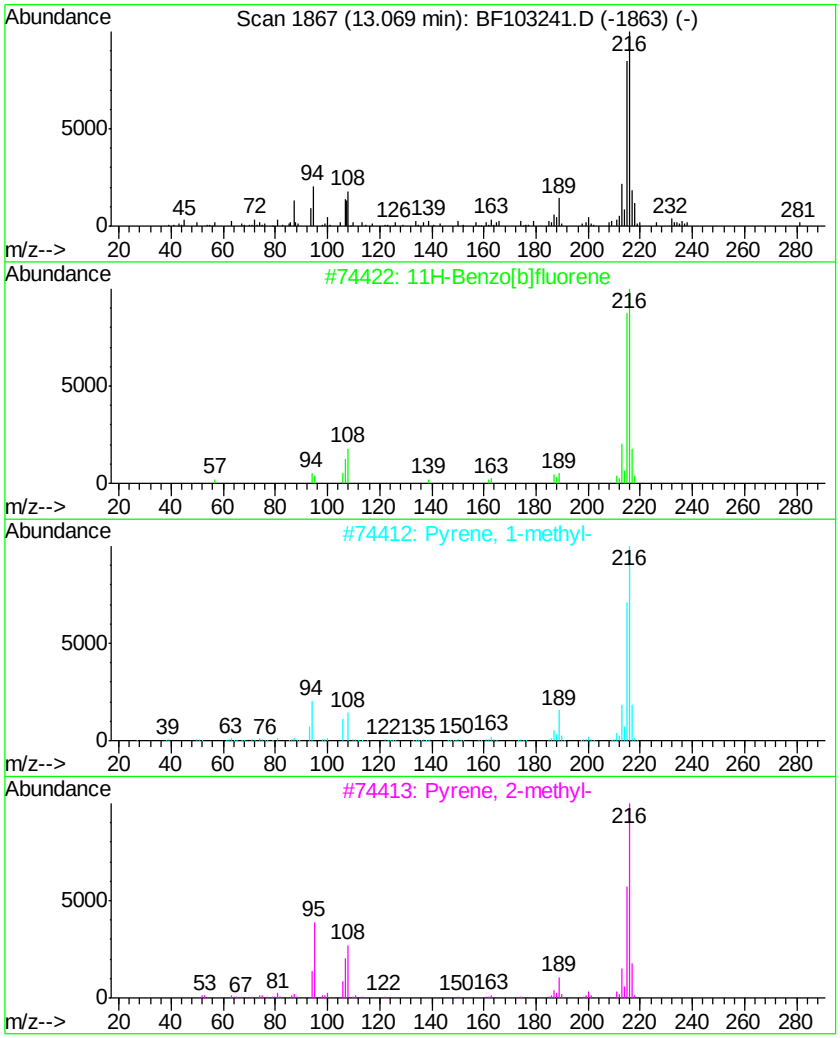
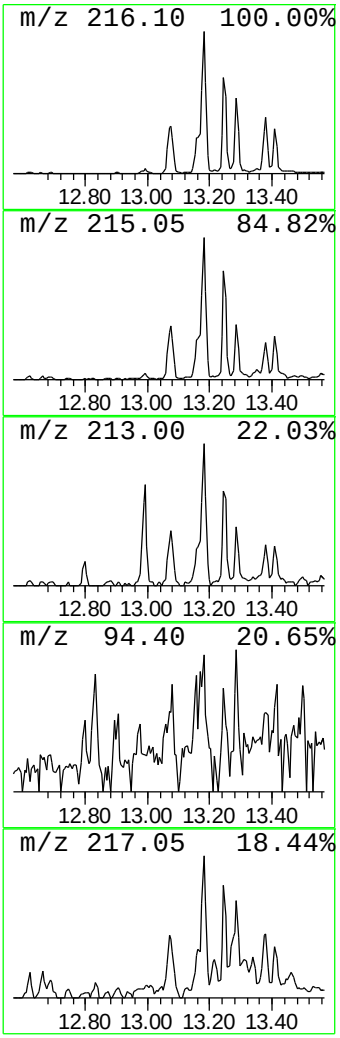
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	2.42 ng	158679	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76





Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
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Acq On : 27 Feb 2018 1:55
Operator : SJ/JU
Sample : J1660-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4632

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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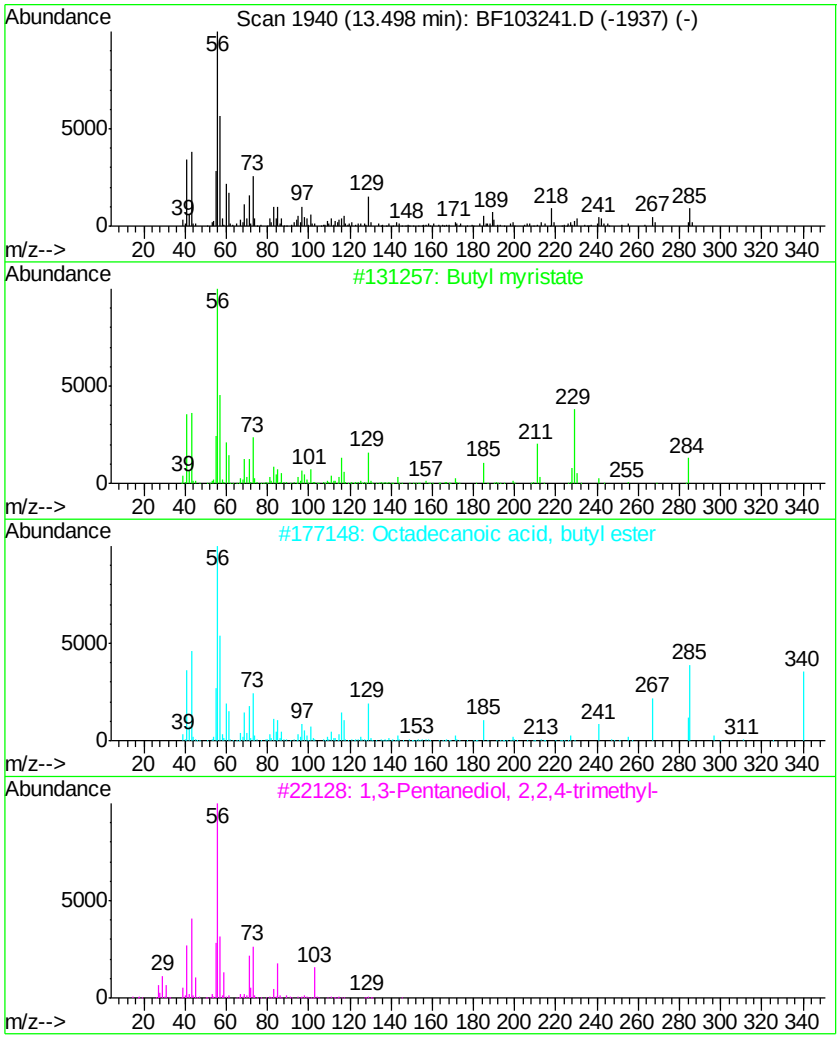
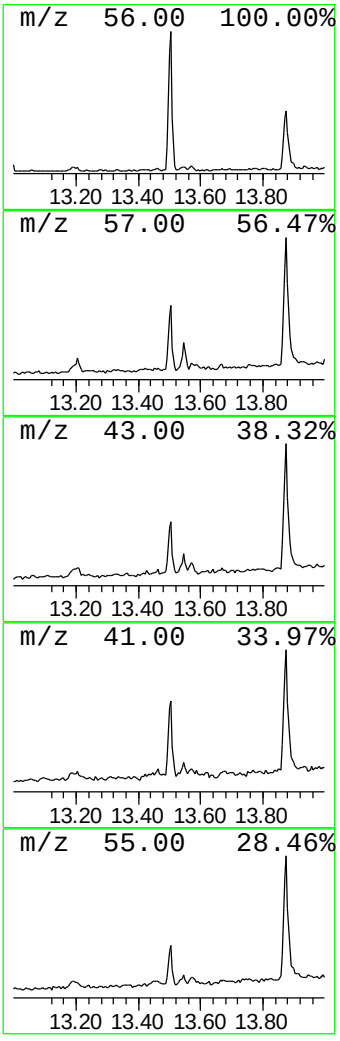
Peak Number 18 Butyl myristate Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	3.55 ng	232429	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butyl myristate	284	C18H36O2	000110-36-1	64
2	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	60
3	1,3-Pentanediol, 2,2,4-trimethyl-	146	C8H18O2	000144-19-4	43
4	2,4-Dipropyl-5-ethyl-1,3-dioxane	200	C12H24O2	006413-83-8	38
5	2,2-Dimethyl-1,3-butanediol	118	C6H14O2	000076-35-7	38





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Acq On : 27 Feb 2018 1:55
Operator : SJ/JU
Sample : J1660-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4632

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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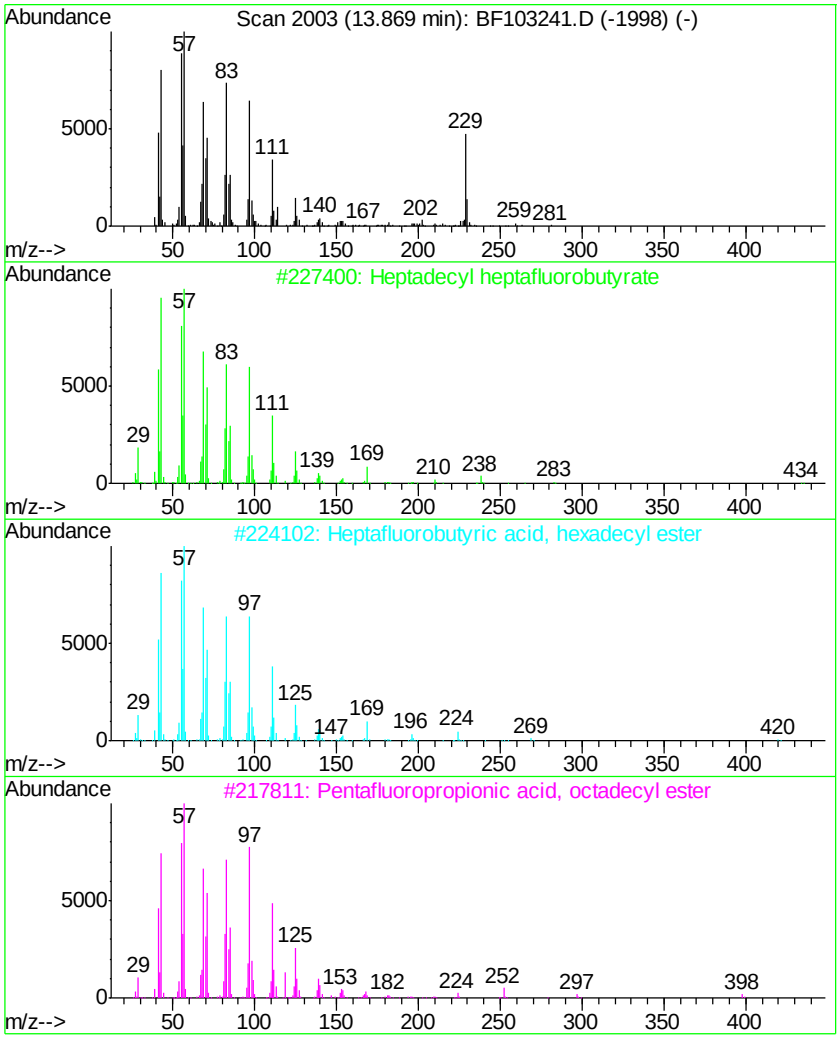
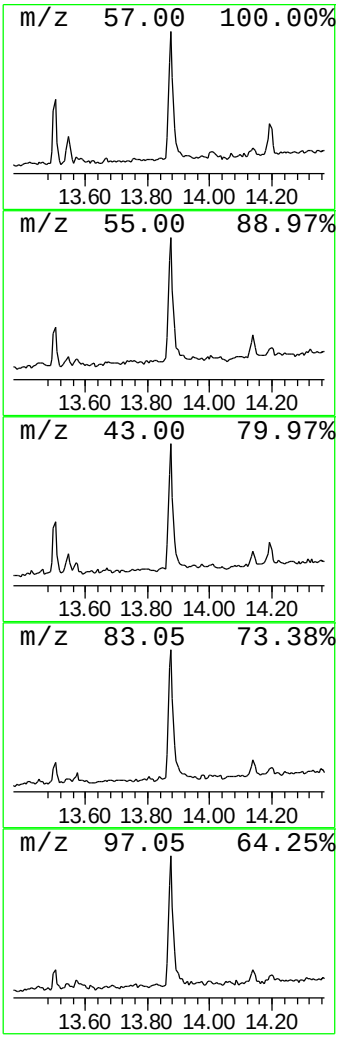
Peak Number 19 Heptadecyl heptafluorobutyrate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	8.40 ng	550427	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	91
2	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	87
3	Pentafluoropropionic acid, octad...	416	C21H37F5O2	959261-25-7	87
4	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	87
5	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022618\
Data File : BF103241.D
Acq On : 27 Feb 2018 1:55
Operator : SJ/JU
Sample : J1660-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4632

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.14	24.7	ng	1233700	1	6.87	999671	20.0
2-Pentanone, 4-hy...	5.11	4.3	ng	212454	1	6.87	999671	20.0
unknown6.65	6.65	75.0	ng	3751000	1	6.87	999671	20.0
Hexadecane	9.83	2.5	ng	144554	3	9.92	1148520	20.0
5-Ethyldecane	10.33	3.5	ng	201538	3	9.92	1148520	20.0
Heptacosane	10.80	2.6	ng	123583	4	11.40	955056	20.0
5H-Indeno[1,2-b]p...	11.64	2.3	ng	111391	4	11.40	955056	20.0
Phenanthrene, 2-m...	11.91	3.6	ng	173327	4	11.40	955056	20.0
Anthracene, 1-met...	11.93	3.9	ng	187402	4	11.40	955056	20.0
4H-Cyclopenta[def...	12.02	5.5	ng	263846	4	11.40	955056	20.0
Phenanthrene, 2,5...	12.46	2.1	ng	100260	4	11.40	955056	20.0
Hexadecanoic acid...	12.80	4.7	ng	308898	5	14.06	1309920	20.0
11H-Benzo[b]fluorene	13.07	2.4	ng	158679	5	14.06	1309920	20.0
Butyl myristate	13.50	3.5	ng	232429	5	14.06	1309920	20.0
Heptadecyl heptaf...	13.87	8.4	ng	550427	5	14.06	1309920	20.0