LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103223.D
Acq On : 26 Feb 2018 17:59
Operator : SJ/JU
Sample : J1691-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1

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	21	rVB	1141790	1512466	41.00%	3.608%
2	5.063	499	506	509	rBV	37541	45795	1.24%	0.109%
3	5.098	509	512	523	rVB	207645	275425	7.47%	0.657%
4	5.493	575	579	595	rBV	3531195	3689013	100.00%	8.801%
5	6.504	746	751	760	rBV	3276577	3587845	97.26%	8.560%
6	6.640	770	774	778	rBV	3573065	3566374	96.68%	8.508%
7	6.869	809	813	821	rBV	1214376	991081	26.87%	2.364%
8	7.028	835	840	843	rBV	2965927	2804306	76.02%	6.690%
9	7.434	904	909	912	rBV	2458666	2379165	64.49%	5.676%
10	8.151	1027	1031	1034	rBV	1442300	1264517	34.28%	3.017%
11	8.704	1122	1125	1129	rBV	184872	154528	4.19%	0.369%
12	9.228	1208	1214	1217	rBV	3614543	3514638	95.27%	8.385%
13	9.616	1277	1280	1288	rVB	217532	200089	5.42%	0.477%
14	9.828	1311	1316	1320	rBV	49189	42853	1.16%	0.102%
15	9.904	1326	1329	1333	rBV	1367506	1284172	34.81%	3.064%
16	9.939	1333	1335	1340	rVB	146802	116303	3.15%	0.277%
17	10.004	1342	1346	1351	rBV	80493	77747	2.11%	0.185%
18	10.110	1361	1364	1368	rBV	52991	55604	1.51%	0.133%
19	10.304	1393	1397	1398	rBV	48097	53362	1.45%	0.127%
20	10.322	1398	1400	1404	rVB2	101690	105559	2.86%	0.252%
21	10.457	1419	1423	1427	rVB	92600	88989	2.41%	0.212%
22	10.622	1447	1451	1454	rBV	858842	763905	20.71%	1.822%
23	10.698	1460	1464	1475	rBV	1953199	1984802	53.80%	4.735%
24	10.798	1479	1481	1491	rVB	65178	97167	2.63%	0.232%
25	11.004	1511	1516	1518	rBV3	46786	58563	1.59%	0.140%
26	11.251	1554	1558	1560	rBV3	54038	64402	1.75%	0.154%
27	11.292	1563	1565	1570	rVB	48919	48191	1.31%	0.115%
28	11.398	1579	1583	1585	rBV	1241020	1115888	30.25%	2.662%
29	11.422	1585	1587	1592	rVV	736922	566774	15.36%	1.352%
30	11.475	1592	1596	1599	rVV	158356	140740	3.82%	0.336%
31	11.627	1618	1622	1628	rBV2	61391	78568	2.13%	0.187%
32	11.910	1663	1670	1672	rBV3	218040	324297	8.79%	0.774%
33	11.974	1679	1681	1684	rBV	56593	46235	1.25%	0.110%
34	12.010	1684	1687	1690	rBV	148296	167966	4.55%	0.401%

LSC Area Percent Report

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Operator : SJ/JU
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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1

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	12.192	1716	1718	1721	rVB	64049	51411	1.39%	0.123%
36	12.451	1759	1762	1764	rBV	44315	38921	1.06%	0.093%
37	12.616	1786	1790	1793	rBV	878052	841509	22.81%	2.008%
38	12.645	1793	1795	1798	rVB	202726	164836	4.47%	0.393%
39	12.698	1802	1804	1808	rVV2	48841	60823	1.65%	0.145%
40	12.845	1822	1829	1832	rBV	811853	887602	24.06%	2.118%
41	12.892	1835	1837	1842	rVB3	49849	53612	1.45%	0.128%
42	12.980	1846	1852	1855	rBV	2515313	2419070	65.57%	5.771%
43	13.057	1862	1865	1869	rVB3	52792	79350	2.15%	0.189%
44	13.169	1882	1884	1887	rVB	148819	130519	3.54%	0.311%
45	13.233	1892	1895	1899	rBV	114037	119076	3.23%	0.284%
46	13.274	1899	1902	1904	rBV2	64145	62961	1.71%	0.150%
47	13.398	1921	1923	1928	rVB3	49503	45513	1.23%	0.109%
48	13.686	1969	1972	1977	rVB2	38484	41465	1.12%	0.099%
49	13.792	1987	1990	1992	rBV	63272	62216	1.69%	0.148%
50	13.816	1992	1994	1997	rVV	49061	39572	1.07%	0.094%
51	13.845	1997	1999	2000	rBV	46681	42066	1.14%	0.100%
52	13.863	2000	2002	2006	rVB3	233730	244053	6.62%	0.582%
53	14.045	2028	2033	2036	rBV2	984051	1248135	33.83%	2.978%
54	14.068	2036	2037	2045	rVB	403185	362526	9.83%	0.865%
55	14.151	2049	2051	2054	rBV	76769	59721	1.62%	0.142%
56	14.192	2056	2058	2062	rBV3	42909	37626	1.02%	0.090%
57	14.439	2098	2100	2104	rVB2	78881	65917	1.79%	0.157%
58	14.510	2108	2112	2115	rBV3	99190	143851	3.90%	0.343%
59	15.110	2209	2214	2217	rBV	372274	601279	16.30%	1.434%
60	15.215	2229	2232	2237	rBV	73473	80680	2.19%	0.192%
61	15.415	2262	2266	2273	rVB	241733	335859	9.10%	0.801%
62	15.480	2273	2277	2282	rBV	352188	448233	12.15%	1.069%
63	15.545	2283	2288	2292	rBV	675800	935832	25.37%	2.233%
64	15.980	2359	2362	2369	rVB2	80999	120993	3.28%	0.289%
65	17.051	2539	2544	2550	rBV	178178	372509	10.10%	0.889%
66	17.192	2564	2568	2573	rBV6	83977	153527	4.16%	0.366%
67	17.515	2617	2623	2634	rVB	136287	297731	8.07%	0.710%

Sum of corrected areas: 41916323

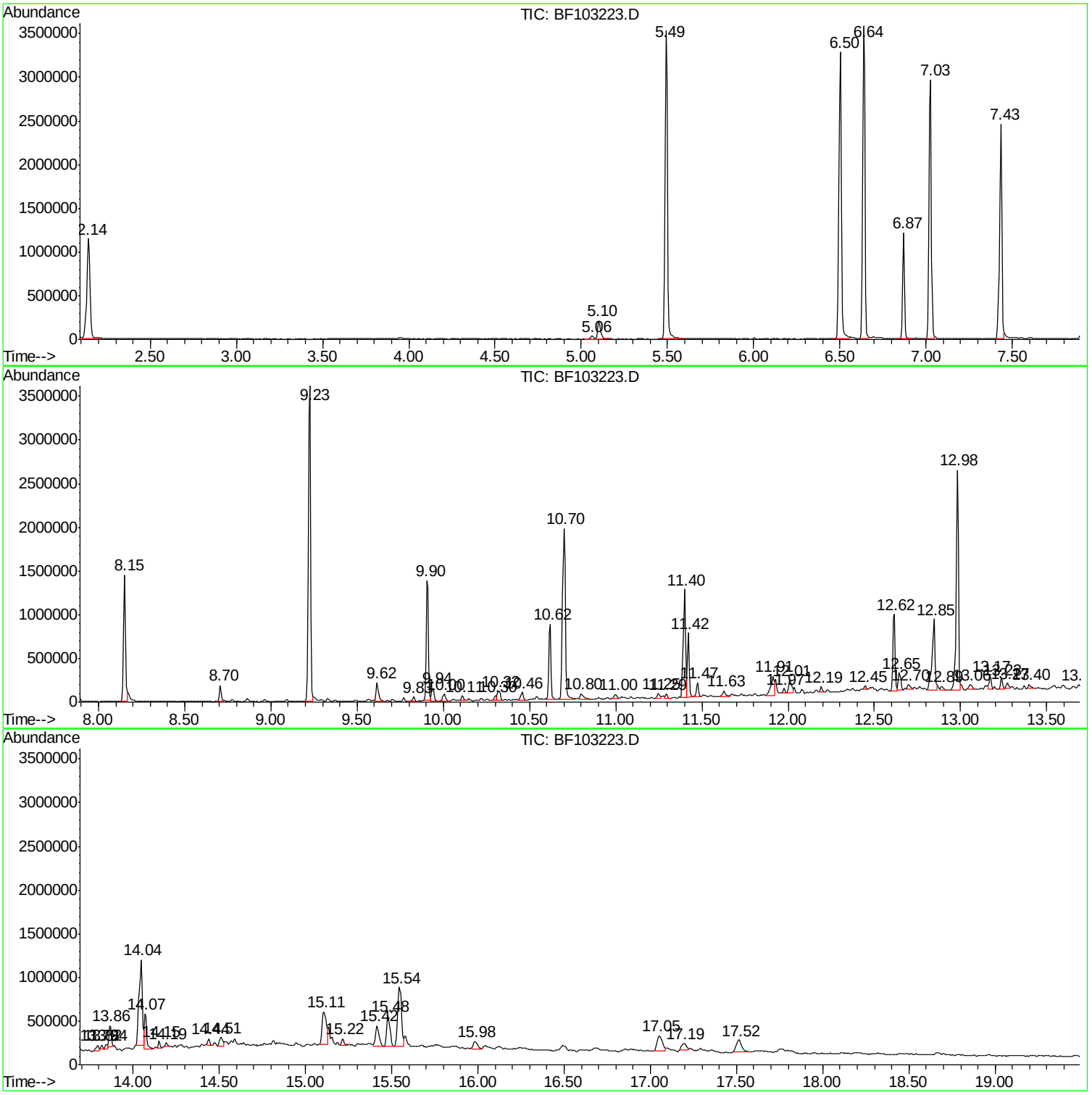
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103223.D
Acq On : 26 Feb 2018 17:59
Operator : SJ/JU
Sample : J1691-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1

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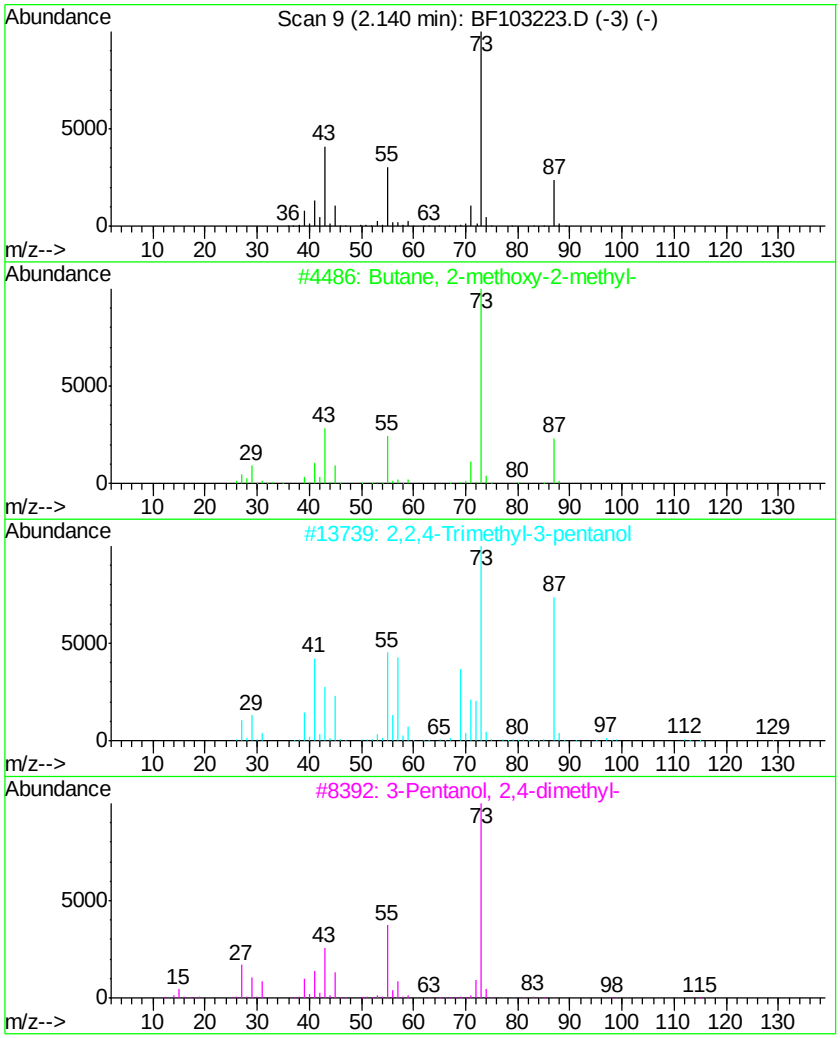
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

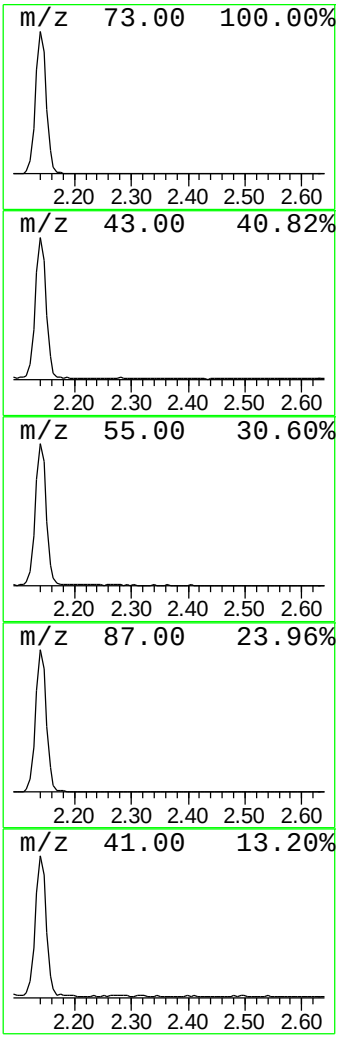
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.14	30.52 ng	1512470	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	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
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 : BF103223.D
Acq On : 26 Feb 2018 17:59
Operator : SJ/JU
Sample : J1691-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1

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

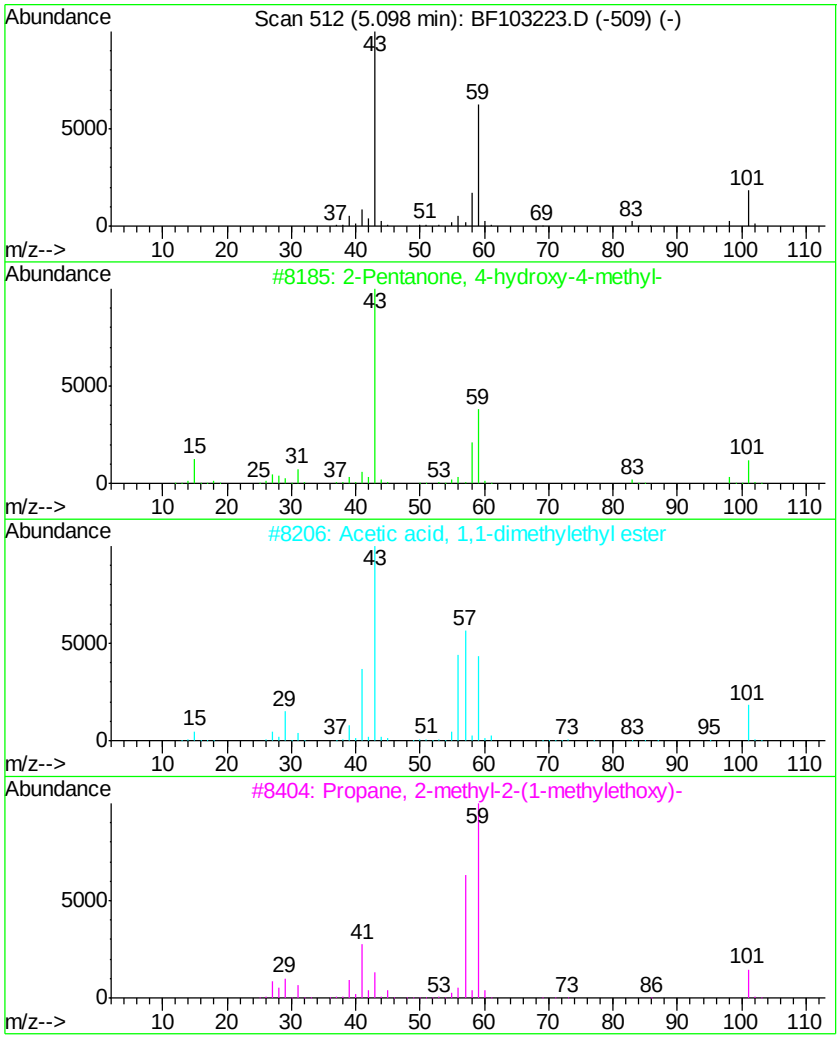
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

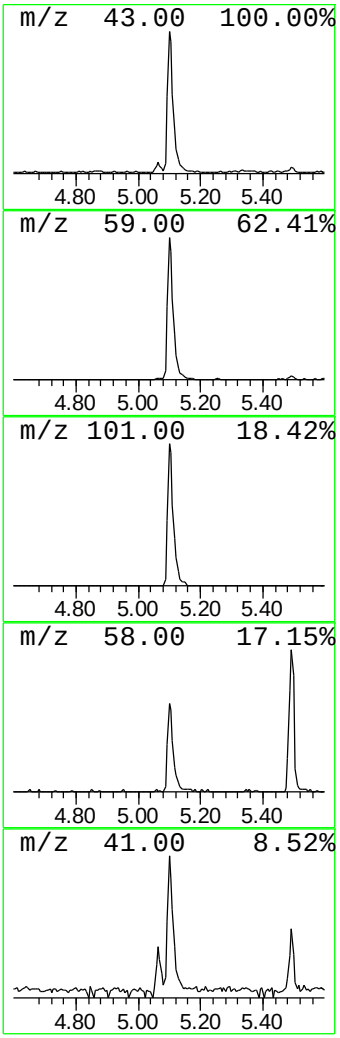
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.10	5.56 ng	275425	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	64
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
5	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33





Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
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Sample : J1691-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1

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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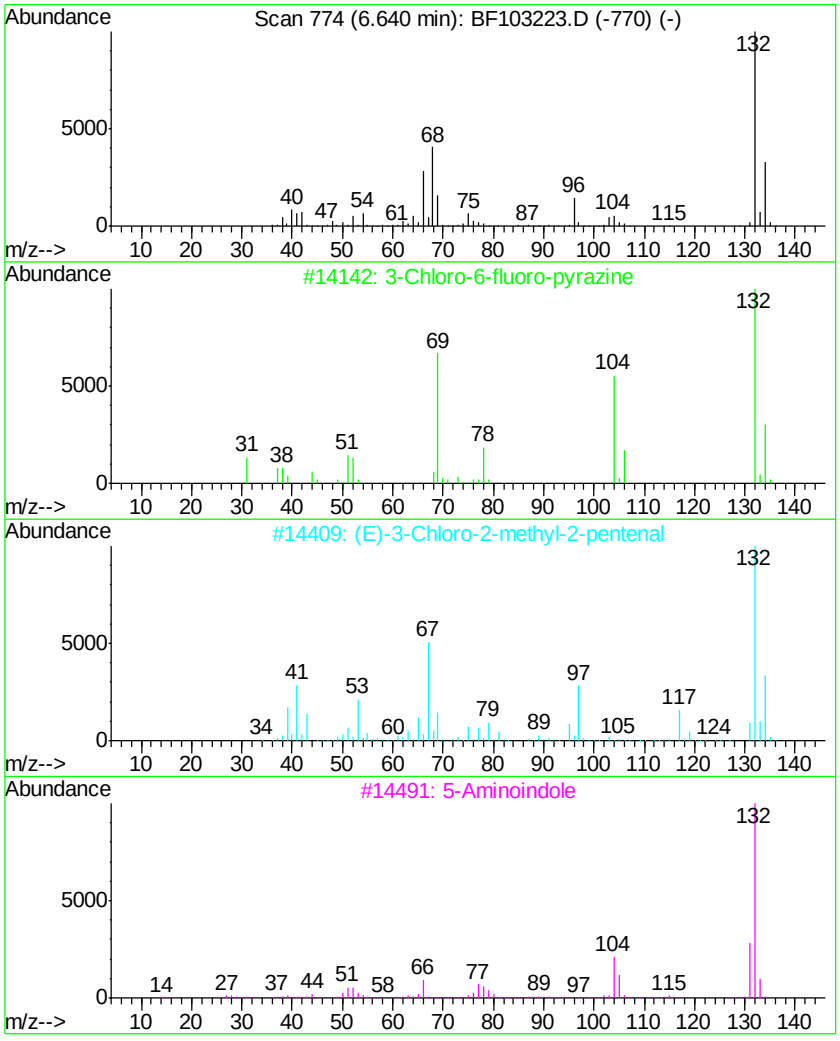
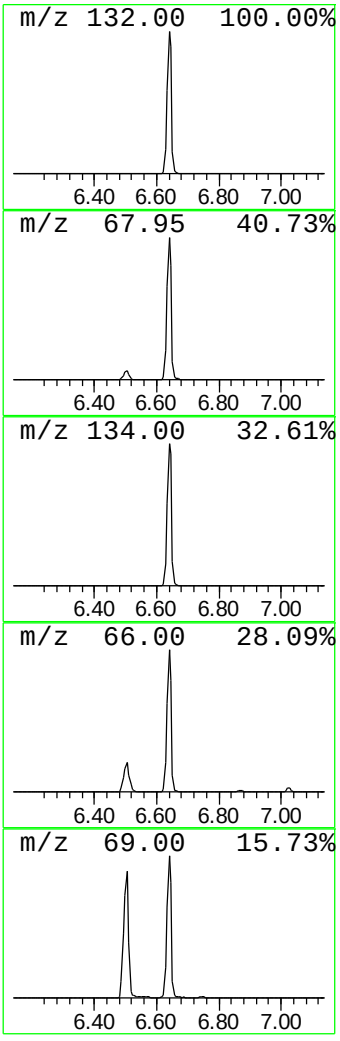
Peak Number 3 unknown6.64 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	71.97 ng	3566370	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-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
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Instrument : BNA_F
ClientSampleId : B1

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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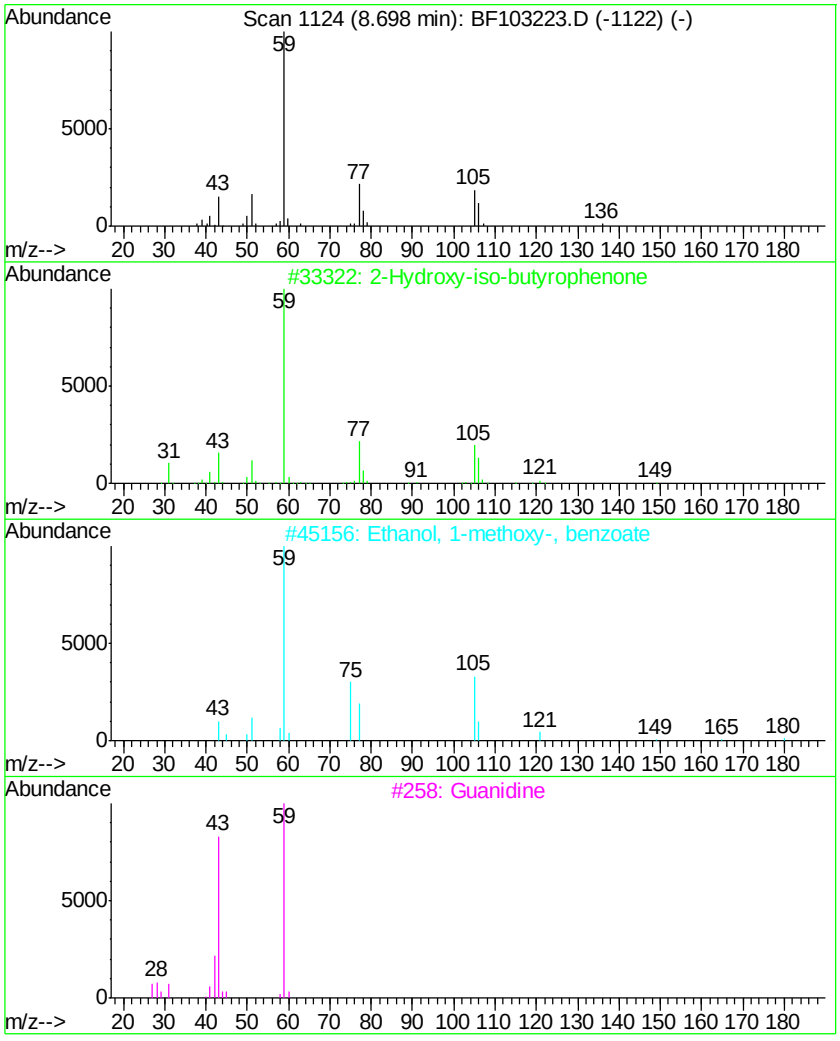
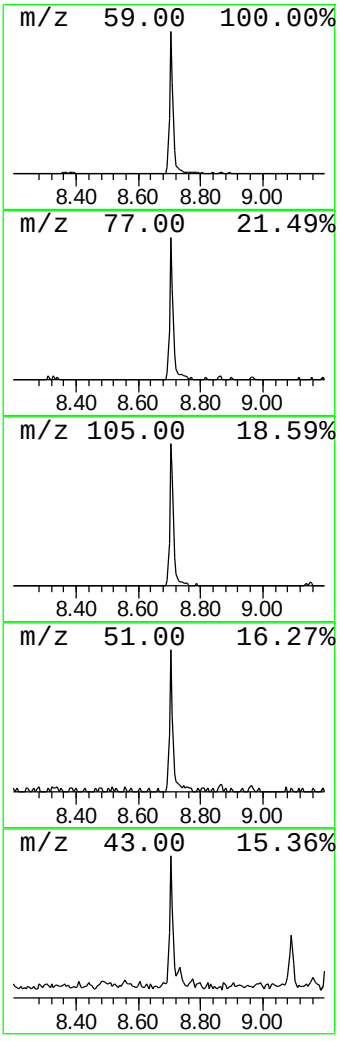
Peak Number 5 2-Hydroxy-iso-butyrophenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.70	2.44 ng	154528	Naphthalene-d8	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hydroxy-iso-butyrophenone	164	C10H12O2	007473-98-5	83
2	Ethanol, 1-methoxy-, benzoate	180	C10H12O3	051835-44-0	72
3	Guanidine	59	CH5N3	000113-00-8	9
4	Acetic acid, chloro-, methyl ester	108	C3H5ClO2	000096-34-4	9
5	Propanoic acid, 2-hydroxy-2-meth...	132	C6H12O3	000080-55-7	9





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Sample : J1691-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1

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

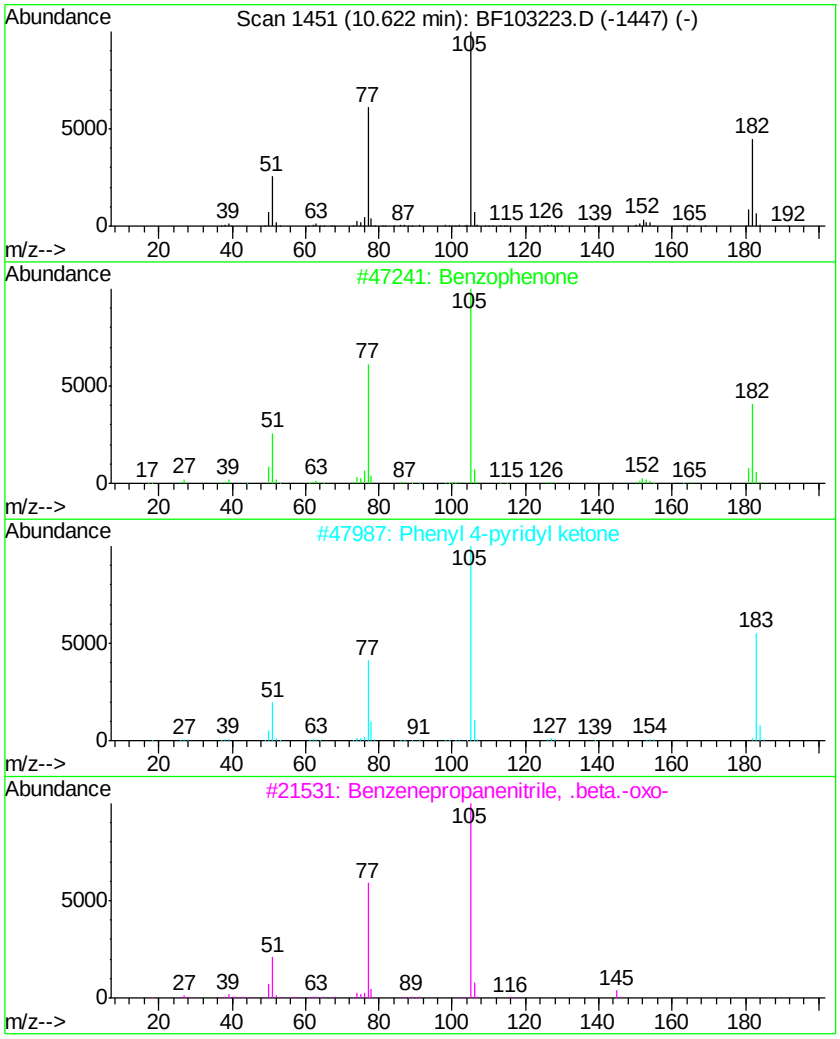
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

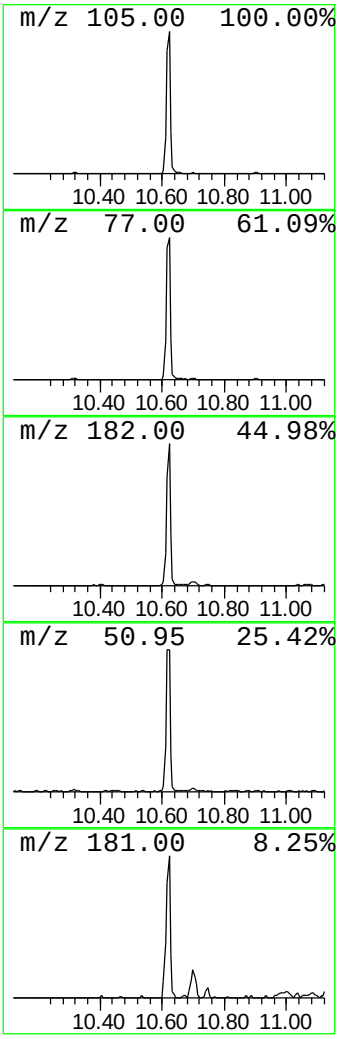
****

Peak Number 6 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	11.90 ng	763905	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	50
3	Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	47
4	Benzopinacol	366	C26H22O2	000464-72-2	47
5	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	47





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Instrument : BNA_F
ClientSampleId : B1

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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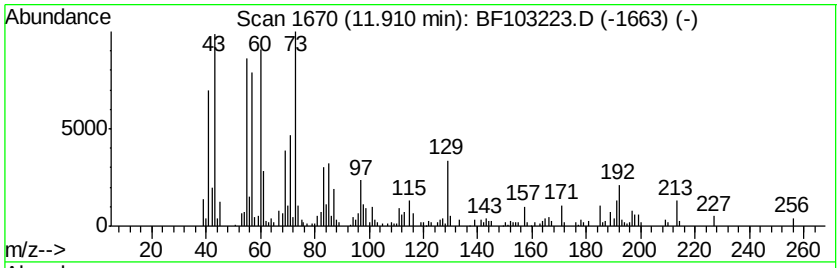
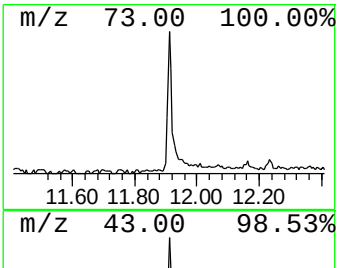
Peak Number 7 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	5.81 ng	324297	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tetradecane	198	C14H30	000629-59-4	90
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4	Tridecanoic acid	214	C13H26O2	000638-53-9	64
5	Oxalic acid, dodecyl isobutyl ester	314	C18H34O4	1000309-37-7	18





Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103223.D
Acq On : 26 Feb 2018 17:59
Operator : SJ/JU
Sample : J1691-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1

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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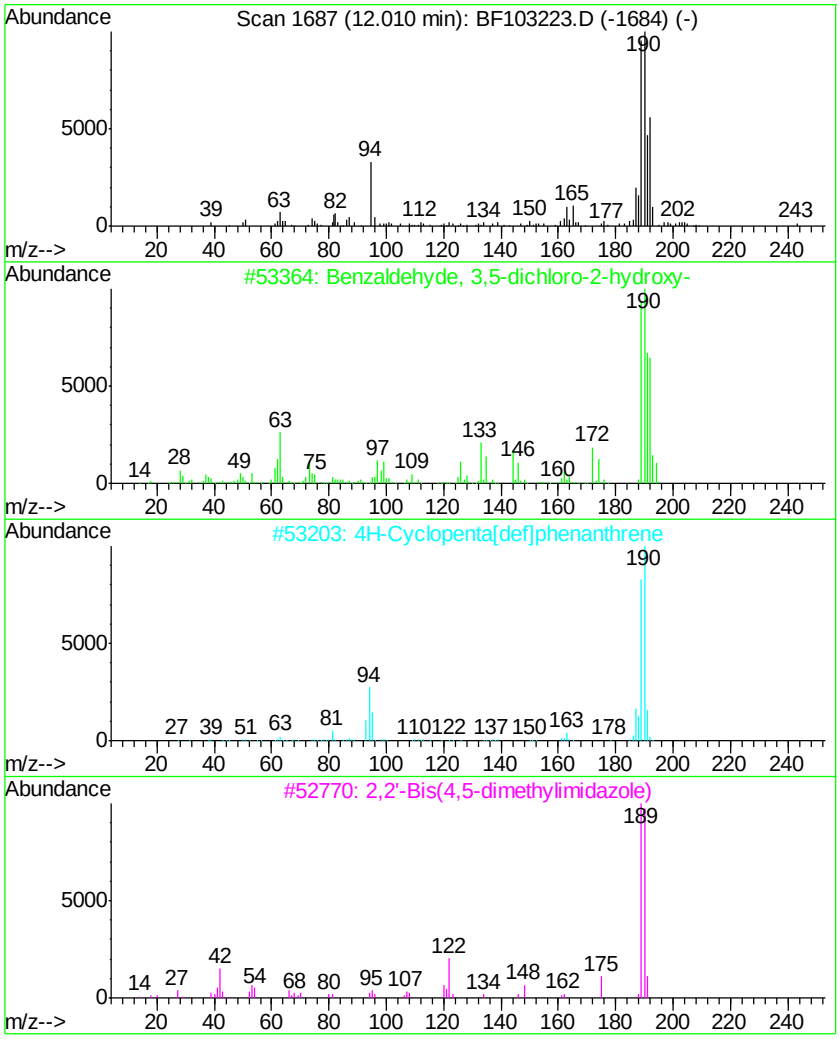
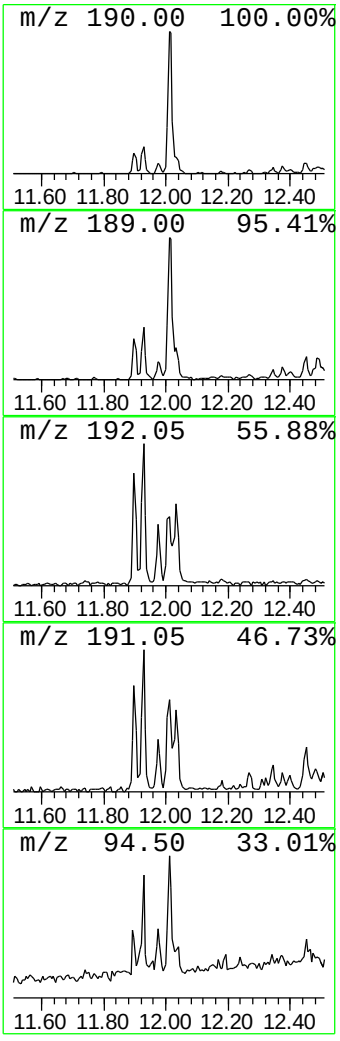
Peak Number 8 Benzaldehyde, 3,5-dichloro-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	3.01 ng	167966	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	43
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	35
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30





Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103223.D
Acq On : 26 Feb 2018 17:59
Operator : SJ/JU
Sample : J1691-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B1

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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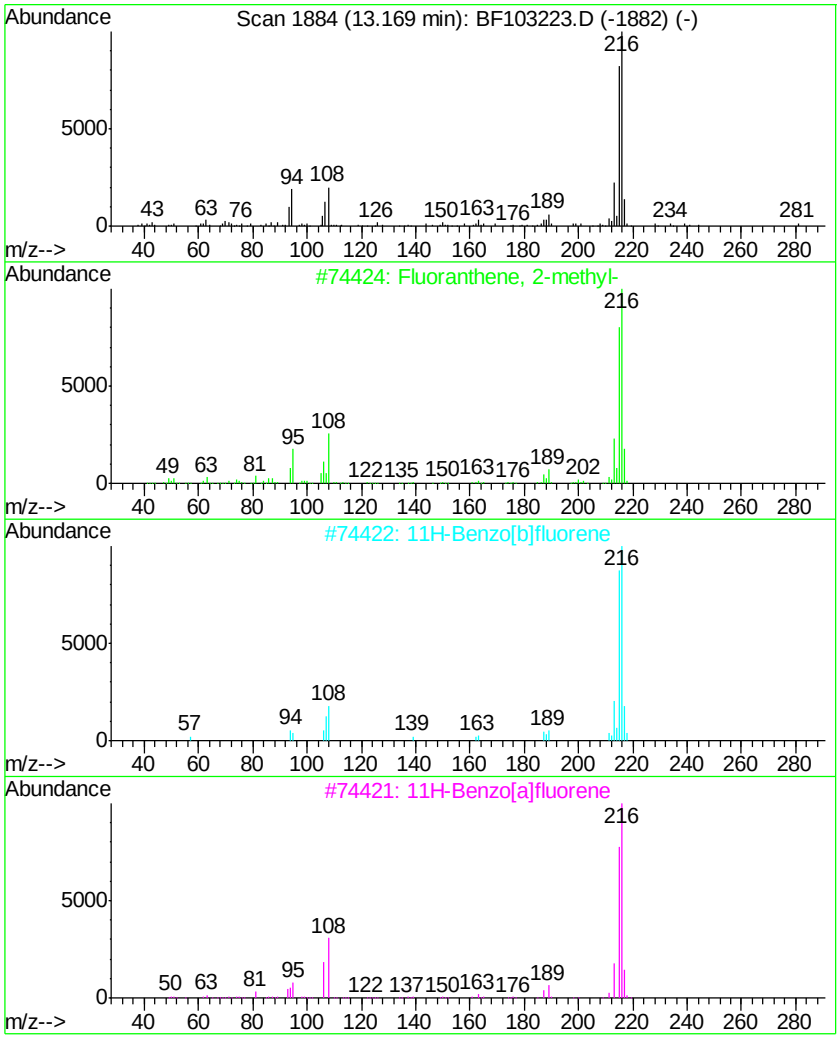
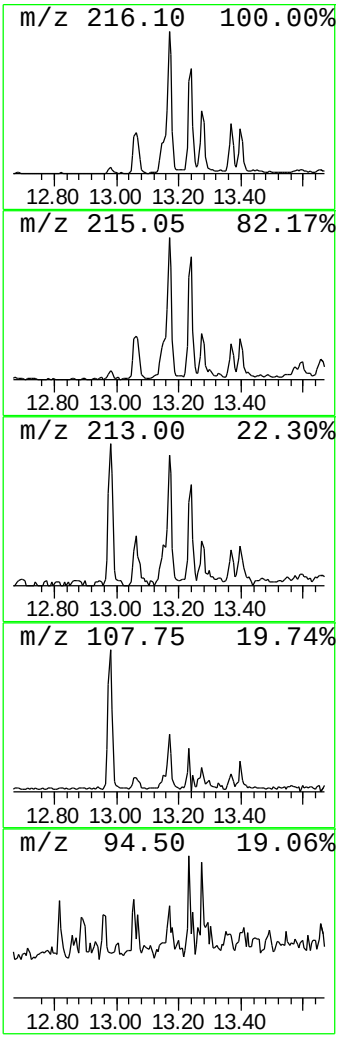
Peak Number 9 Fluoranthene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	2.09 ng	130519	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





Library Search Compound Report

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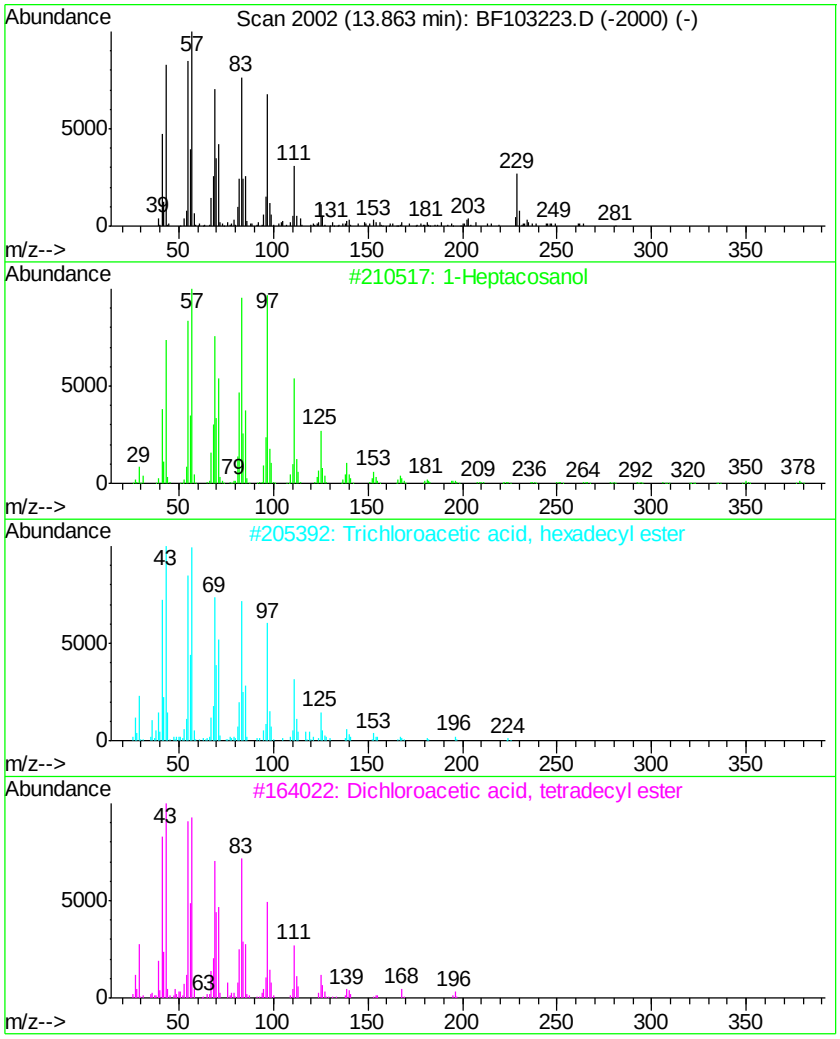
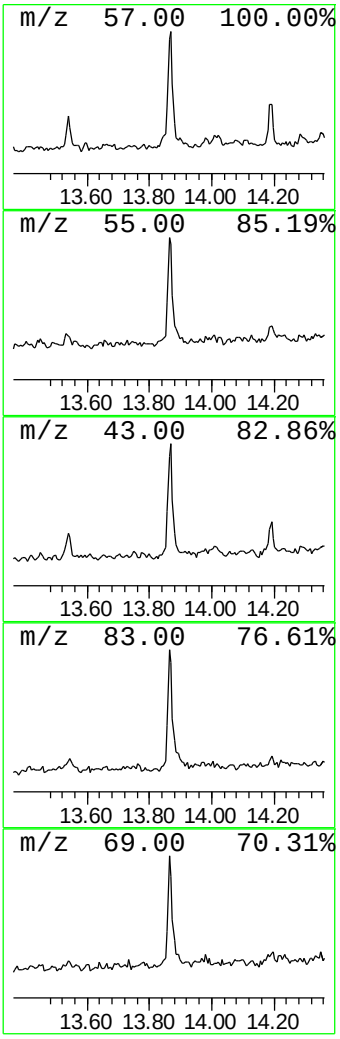
Peak Number 10 1-Heptacosanol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	3.91 ng	244053	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptacosanol	396	C27H56O	002004-39-9	87
2	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	87
3	Dichloroacetic acid, tetradecyl ...	324	C16H30Cl2O2	083005-02-1	87
4	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	87
5	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	87





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Instrument : BNA_F
ClientSampleId : B1

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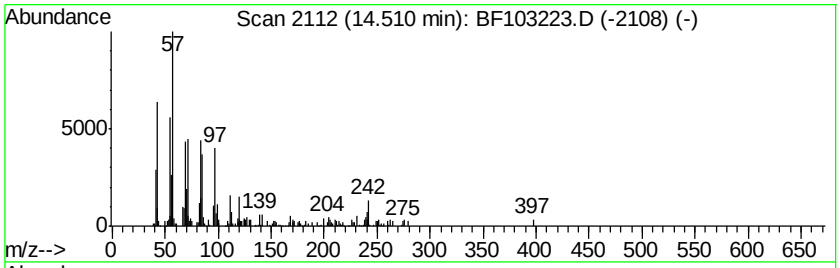
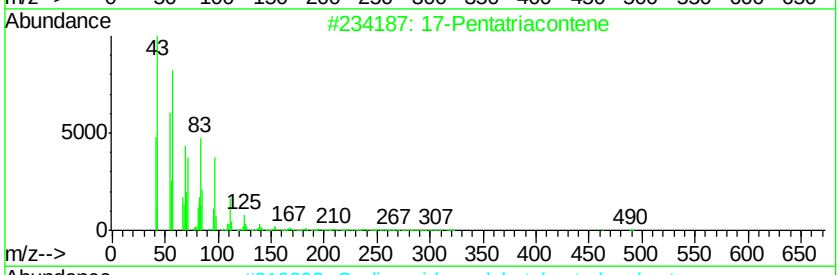
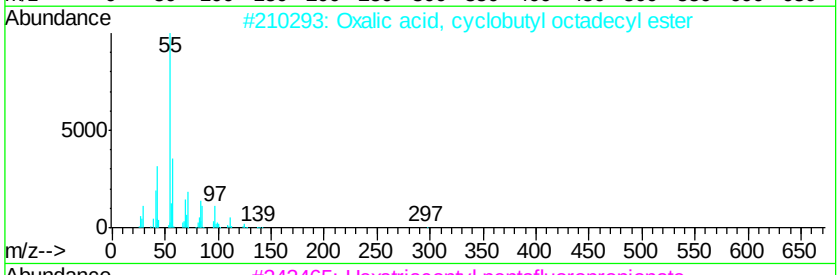
Peak Number 11 17-Pentatriacontene Concentration Rank 13

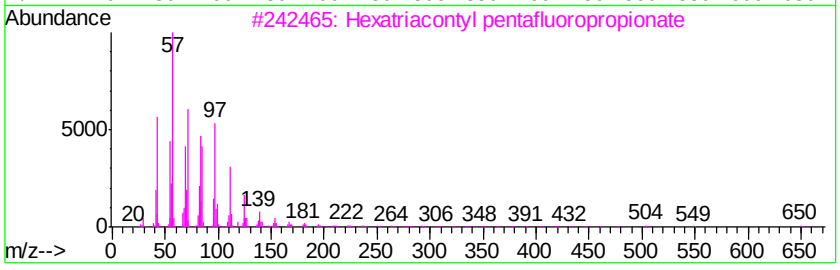
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	2.31 ng	143851	Chrysene-d12	14.04

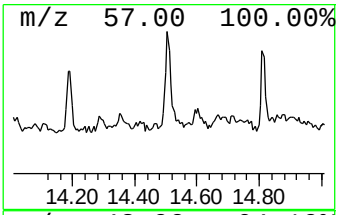
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	17-Pentatriacontene	491	C35H70	006971-40-0	62
2	Oxalic acid, cyclobutyl octadecy...	396	C24H44O4	1000309-70-8	58
3	Hexatriacontyl pentafluoropropio...	669	C39H73F5O2	1000351-89-0	58
4	Tetrapentacontane, 1,54-dibromo-	915	C54H108Br2	1000156-09-4	49
5	E-15-Heptadecenal	252	C17H32O	1000130-97-9	49

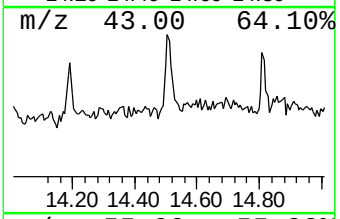


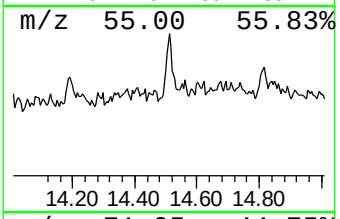


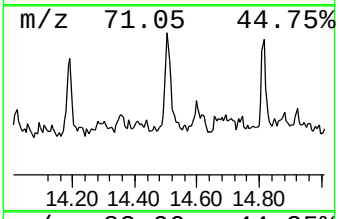


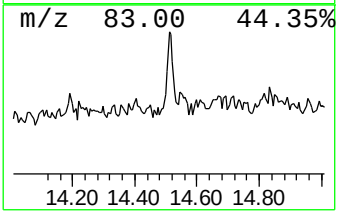












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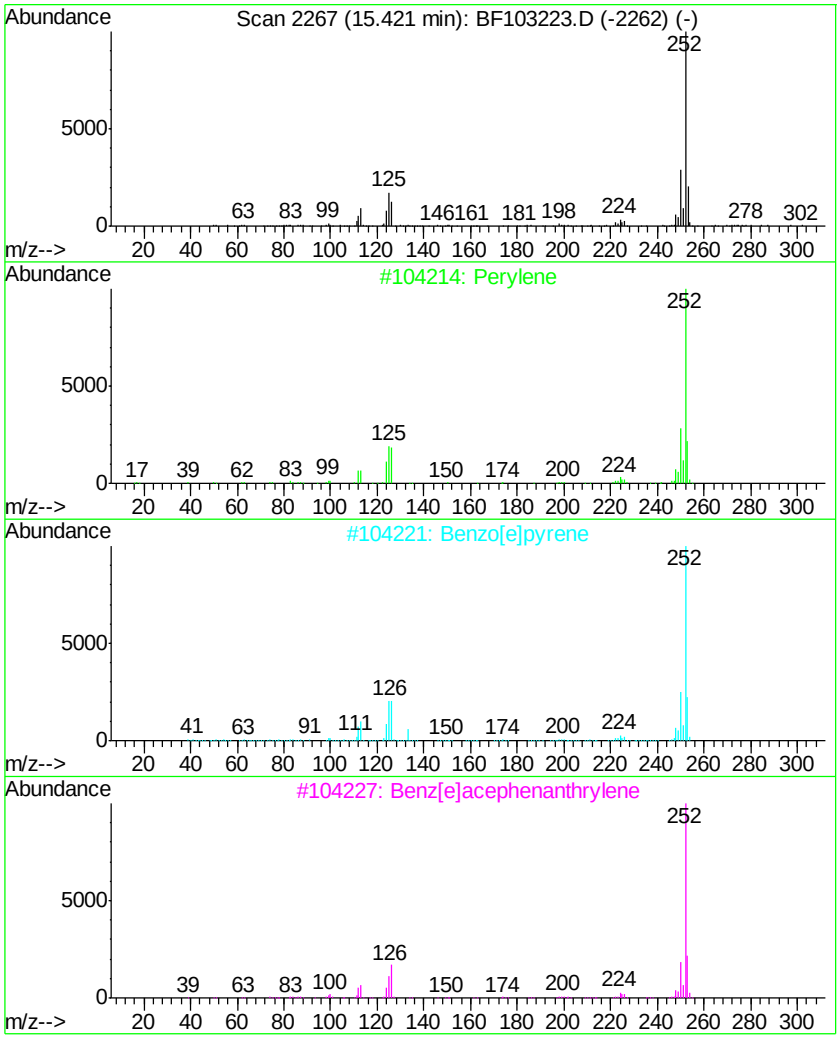
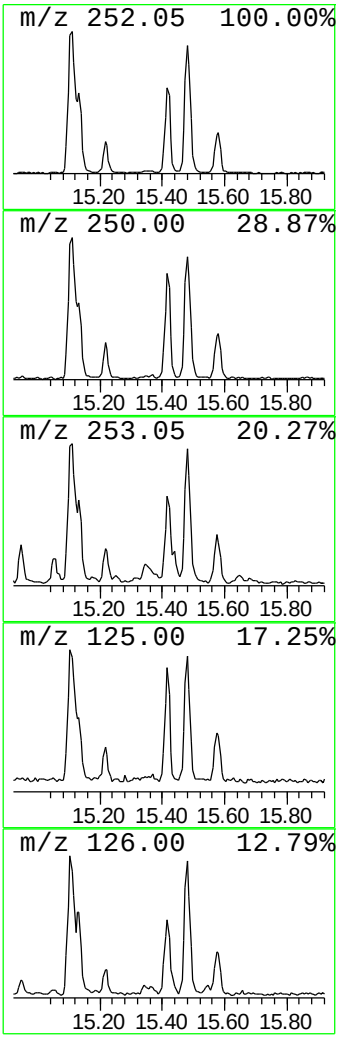
Peak Number 12 Perylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	7.18 ng	335859	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	97
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94





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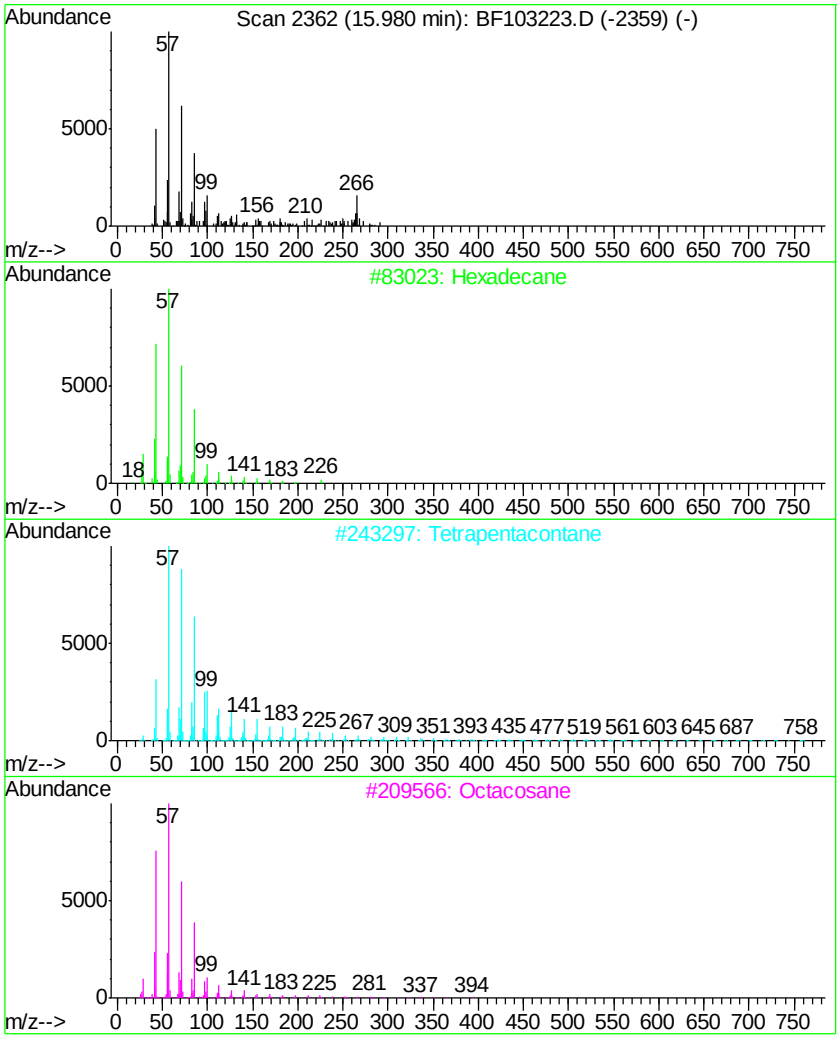
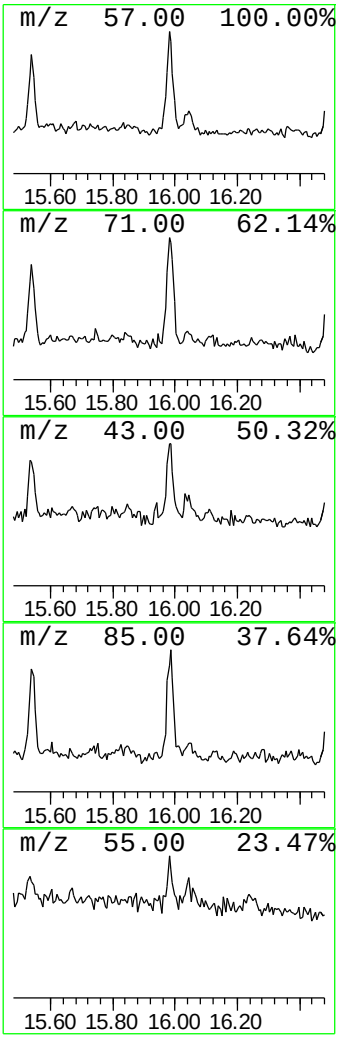
Peak Number 13 Hexadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	2.59 ng	120993	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	60
2	Tetrapentacontane	759	C54H110	005856-66-6	53
3	Octacosane	394	C28H58	000630-02-4	53
4	Tetracontane	563	C40H82	004181-95-7	53
5	Hexacosane	366	C26H54	000630-01-3	53





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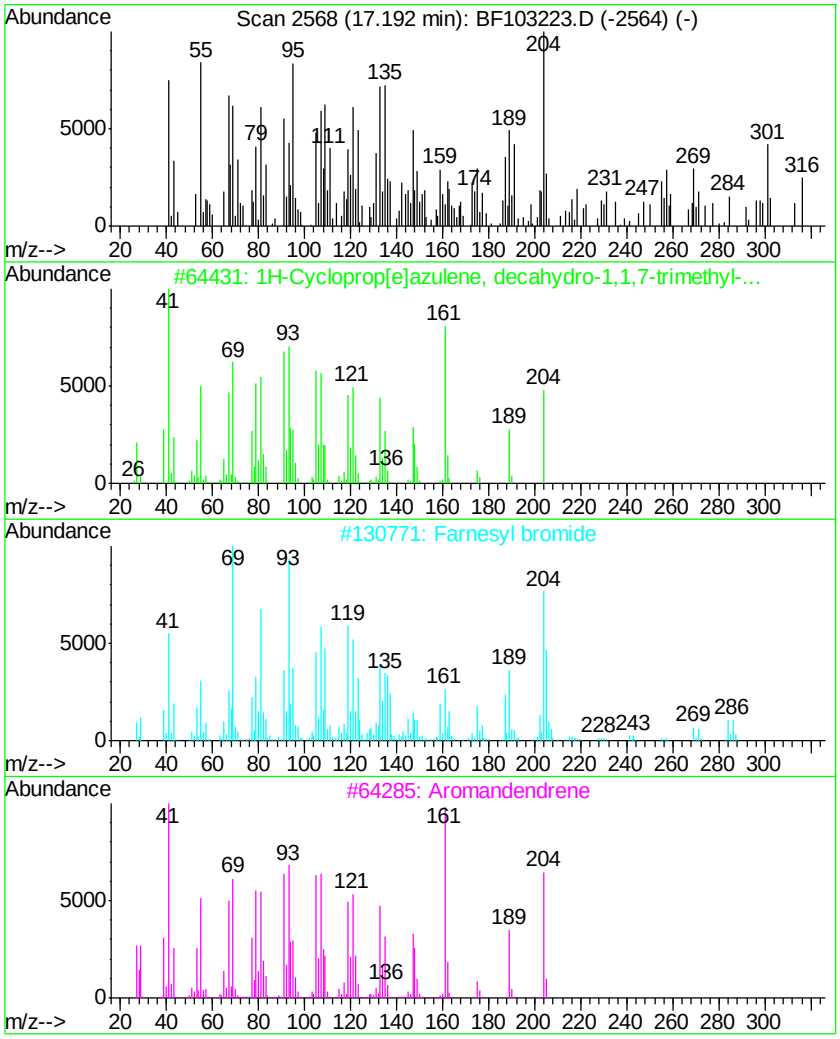
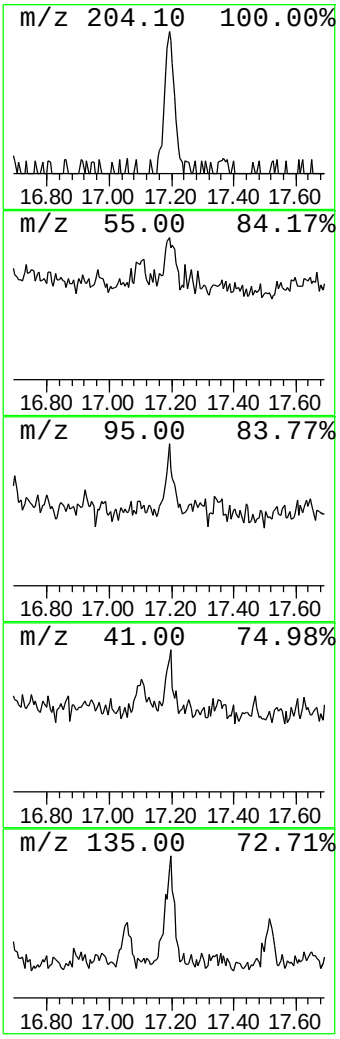
Peak Number 14 unknown17.19 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.19	3.28 ng	153527	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cycloprop[e]azulene, decahydr...	204	C15H24	072747-25-2	49
2	Farnesyl bromide	284	C15H25Br	006874-67-5	49
3	Aromandendrene	204	C15H24	000489-39-4	43
4	2H-Cyclopentacyclooctene, 4,5,6,...	204	C15H24	1000221-85-8	41
5	Alloaromadendrene	204	C15H24	025246-27-9	38





Tentatively Identified Compound (LSC) summary

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TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.14	30.5	ng	1512470	1	6.87	991081	20.0
2-Pentanone, 4-hy...	5.10	5.6	ng	275425	1	6.87	991081	20.0
unknown6.64	6.64	72.0	ng	3566370	1	6.87	991081	20.0
2-Hydroxy-iso-but...	8.70	2.4	ng	154528	2	8.15	1264520	20.0
Benzophenone	10.62	11.9	ng	763905	3	9.90	1284170	20.0
n-Hexadecanoic acid	11.91	5.8	ng	324297	4	11.40	1115890	20.0
Benzaldehyde, 3,5...	12.01	3.0	ng	167966	4	11.40	1115890	20.0
Fluoranthene, 2-m...	13.17	2.1	ng	130519	5	14.04	1248140	20.0
1-Heptacosanol	13.86	3.9	ng	244053	5	14.04	1248140	20.0
17-Pentatriacontene	14.51	2.3	ng	143851	5	14.04	1248140	20.0
Perylene	15.42	7.2	ng	335859	6	15.54	935832	20.0
Hexadecane	15.98	2.6	ng	120993	6	15.54	935832	20.0
unknown17.19	17.19	3.3	ng	153527	6	15.54	935832	20.0