LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103225.D
Acq On : 26 Feb 2018 18:52
Operator : SJ/JU
Sample : J1691-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B4

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	2.134	3	8	18	rVB	1079796	1416337	36.24%	2.742%
2	5.063	502	506	510	rBV	32343	42450	1.09%	0.082%
3	5.104	510	513	526	rVB	102445	145550	3.72%	0.282%
4	5.493	574	579	593	rBV	3761711	3908069	100.00%	7.567%
5	6.504	746	751	764	rVB	3452058	3820263	97.75%	7.397%
6	6.640	770	774	778	rBV	3753468	3760767	96.23%	7.282%
7	6.869	809	813	818	rBV	1267607	1058376	27.08%	2.049%
8	7.028	835	840	843	rBV	3064447	2942684	75.30%	5.698%
9	7.434	904	909	912	rBV	2620367	2547614	65.19%	4.933%
10	7.892	983	987	993	rBV2	50325	51748	1.32%	0.100%
11	8.151	1027	1031	1038	rBV	1583045	1369555	35.04%	2.652%
12	8.704	1122	1125	1128	rBV	266578	221087	5.66%	0.428%
13	8.734	1128	1130	1134	rVB	48388	43329	1.11%	0.084%
14	9.228	1208	1214	1217	rBV	3949506	3810590	97.51%	7.378%
15	9.298	1223	1226	1228	rVB	51188	44641	1.14%	0.086%
16	9.328	1228	1231	1235	rVB2	34712	42502	1.09%	0.082%
17	9.616	1277	1280	1288	rVB	320297	293773	7.52%	0.569%
18	9.769	1303	1306	1312	rBV	112350	101037	2.59%	0.196%
19	9.828	1312	1316	1319	rBV	106971	90351	2.31%	0.175%
20	9.910	1326	1330	1333	rBV	1548486	1459389	37.34%	2.826%
21	9.939	1333	1335	1338	rVB	85357	68320	1.75%	0.132%
22	10.110	1361	1364	1368	rVB2	37148	43916	1.12%	0.085%
23	10.322	1393	1400	1404	rBV2	151348	189015	4.84%	0.366%
24	10.457	1420	1423	1427	rVB	54712	53660	1.37%	0.104%
25	10.622	1447	1451	1454	rBV	1136678	978373	25.03%	1.894%
26	10.704	1460	1465	1474	rBV	2061002	2293253	58.68%	4.440%
27	10.798	1479	1481	1491	rVB	132488	184790	4.73%	0.358%
28	11.004	1511	1516	1518	rBV4	40178	54151	1.39%	0.105%
29	11.128	1533	1537	1539	rBV4	27238	39827	1.02%	0.077%
30	11.245	1554	1557	1560	rBV	81940	81591	2.09%	0.158%
31	11.398	1579	1583	1585	rBV	1556682	1353863	34.64%	2.621%
32	11.422	1585	1587	1593	rVV	736009	600712	15.37%	1.163%
33	11.475	1593	1596	1607	rVB	185743	235020	6.01%	0.455%
34	11.628	1619	1622	1624	rBV2	45871	45012	1.15%	0.087%

LSC Area Percent Report

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Operator : SJ/JU
Sample : J1691-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B4

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	11.733	1636	1640	1645	rVB2	137025	177250	4.54%	0.343%
36	11.804	1650	1652	1656	rVB	44564	45808	1.17%	0.089%
37	11.916	1662	1671	1675	rBV2	401161	681199	17.43%	1.319%
38	11.975	1679	1681	1684	rVV	96213	90654	2.32%	0.176%
39	12.010	1684	1687	1690	rVV2	296177	339563	8.69%	0.657%
40	12.033	1690	1691	1695	rVV2	124781	106082	2.71%	0.205%
41	12.080	1697	1699	1702	rVB	69014	60450	1.55%	0.117%
42	12.192	1713	1718	1721	rBV2	94976	114506	2.93%	0.222%
43	12.227	1721	1724	1728	rVB4	58818	73452	1.88%	0.142%
44	12.445	1758	1761	1763	rBV	107435	106095	2.71%	0.205%
45	12.475	1763	1766	1770	rVV4	115538	166966	4.27%	0.323%
46	12.504	1770	1771	1773	rVV2	97085	82984	2.12%	0.161%
47	12.533	1773	1776	1781	rVB4	117544	164803	4.22%	0.319%
48	12.616	1786	1790	1793	rBV	1484529	1273446	32.59%	2.466%
49	12.651	1794	1796	1799	rBV3	54113	71909	1.84%	0.139%
50	12.698	1802	1804	1808	rBV2	128389	141651	3.62%	0.274%
51	12.845	1823	1829	1835	rBV	1383011	1488417	38.09%	2.882%
52	12.892	1835	1837	1840	rVB2	67936	63003	1.61%	0.122%
53	12.986	1845	1853	1856	rBV	2675004	2950085	75.49%	5.712%
54	13.063	1862	1866	1870	rBV3	109886	182752	4.68%	0.354%
55	13.169	1877	1884	1887	rBV2	237326	384145	9.83%	0.744%
56	13.198	1887	1889	1893	rVV2	126680	100890	2.58%	0.195%
57	13.239	1893	1896	1898	rBV	138087	120586	3.09%	0.233%
58	13.274	1898	1902	1905	rBV2	170989	183600	4.70%	0.355%
59	13.369	1916	1918	1920	rVB2	73013	55147	1.41%	0.107%
60	13.404	1921	1924	1930	rVB	95394	118227	3.03%	0.229%
61	13.539	1945	1947	1950	rBV	87766	85024	2.18%	0.165%
62	13.680	1969	1971	1976	rVB	127409	121297	3.10%	0.235%
63	13.792	1987	1990	1992	rBV	134175	120779	3.09%	0.234%
64	13.816	1992	1994	1997	rVB	100572	84491	2.16%	0.164%
65	13.869	1997	2003	2005	rBV4	394426	545337	13.95%	1.056%
66	14.010	2024	2027	2028	rBV	97226	92658	2.37%	0.179%
67	14.045	2028	2033	2036	rVV2	1199633	1815147	46.45%	3.514%
68	14.069	2036	2037	2044	rVB	682939	598078	15.30%	1.158%
69	14.151	2049	2051	2054	rBV	115977	90896	2.33%	0.176%
70	14.192	2055	2058	2064	rBV6	114417	152040	3.89%	0.294%
71	14.439	2097	2100	2102	rVB	161052	149740	3.83%	0.290%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : B4

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

72	14.468	2103	2105	2108	rBV	79931	71898	1.84%	0.139%
73	15.110	2209	2214	2217	rBV	732308	1195361	30.59%	2.314%
74	15.216	2229	2232	2244	rVB	180888	284952	7.29%	0.552%
75	15.415	2262	2266	2272	rVB	505244	656492	16.80%	1.271%
76	15.480	2273	2277	2282	rBV	677875	840932	21.52%	1.628%
77	15.545	2283	2288	2291	rBV	651428	909038	23.26%	1.760%
78	17.057	2540	2545	2556	rVB2	289338	612888	15.68%	1.187%
79	17.521	2618	2624	2633	rVB2	213832	485237	12.42%	0.940%

Sum of corrected areas: 51647570

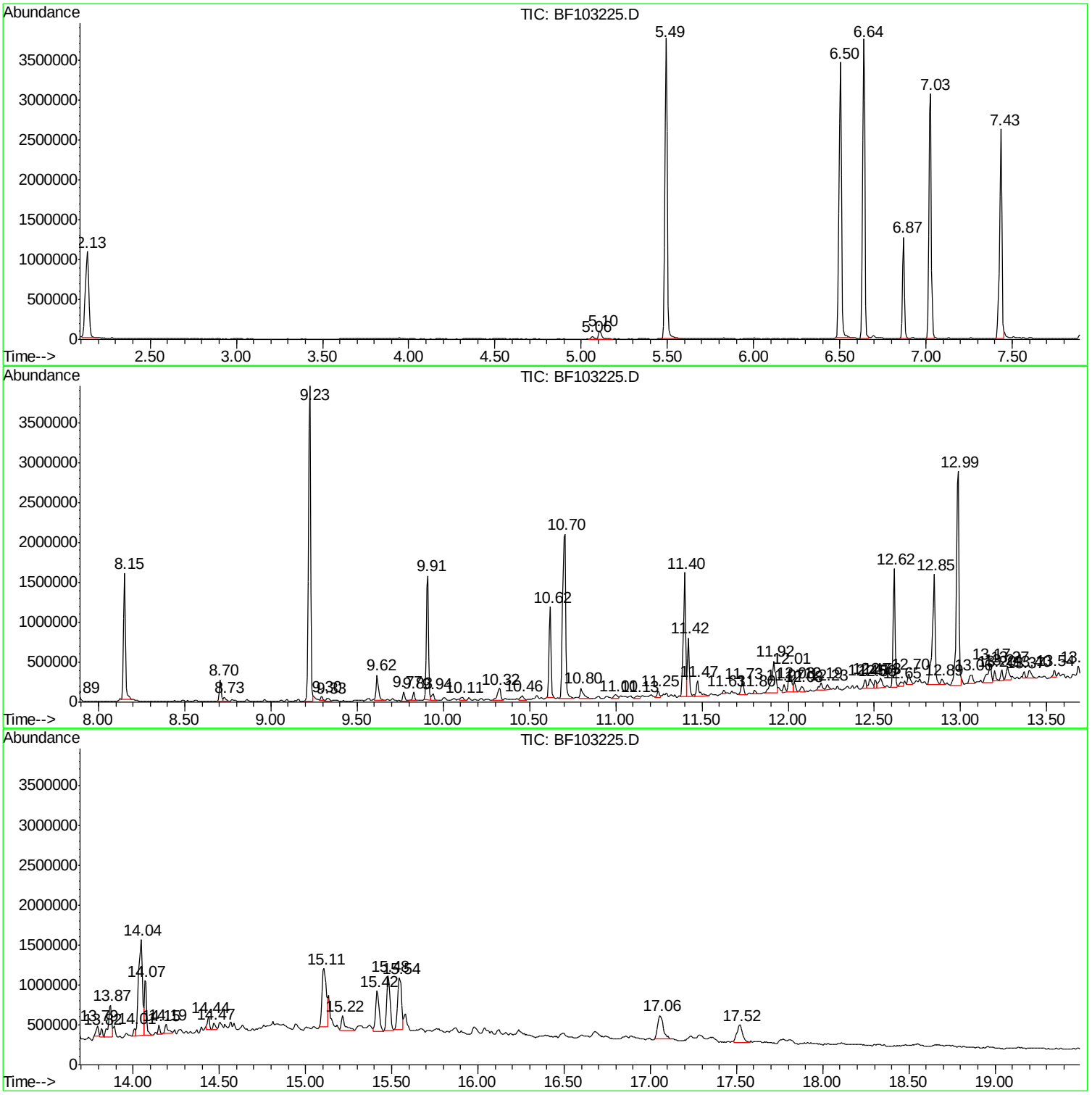
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103225.D
Acq On : 26 Feb 2018 18:52
Operator : SJ/JU
Sample : J1691-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B4

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\BF022618\
Data File : BF103225.D
Acq On : 26 Feb 2018 18:52
Operator : SJ/JU
Sample : J1691-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B4

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

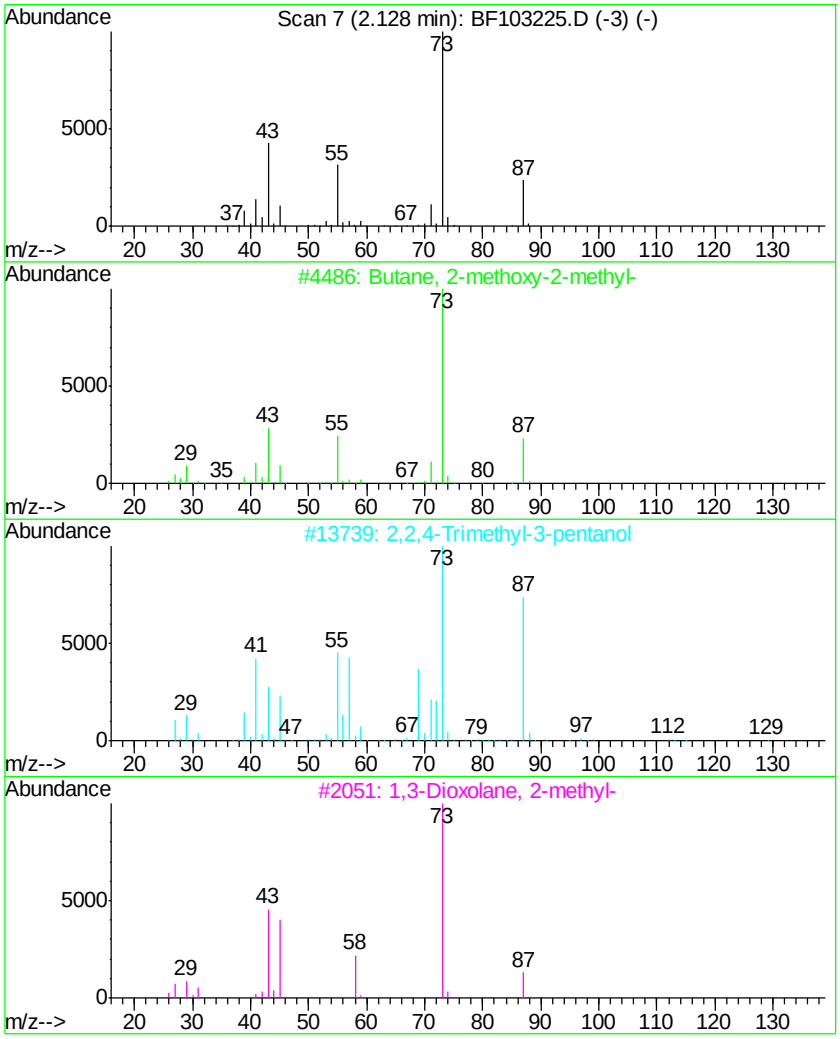
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

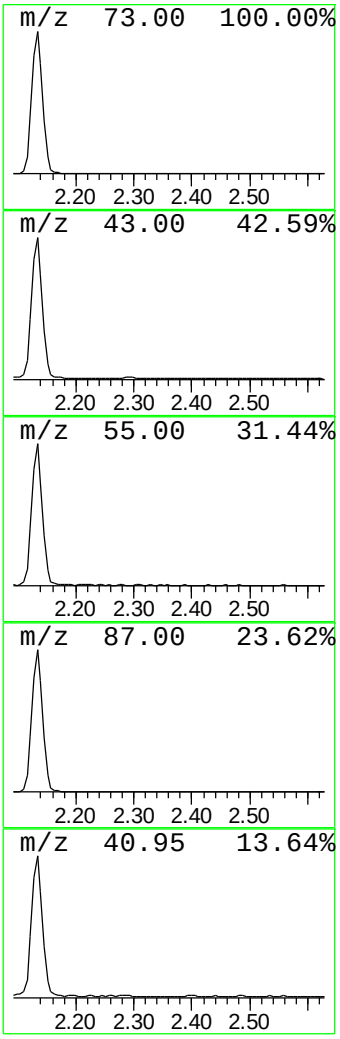
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.13	26.76 ng	1416340	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	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	10





Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103225.D
Acq On : 26 Feb 2018 18:52
Operator : SJ/JU
Sample : J1691-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B4

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

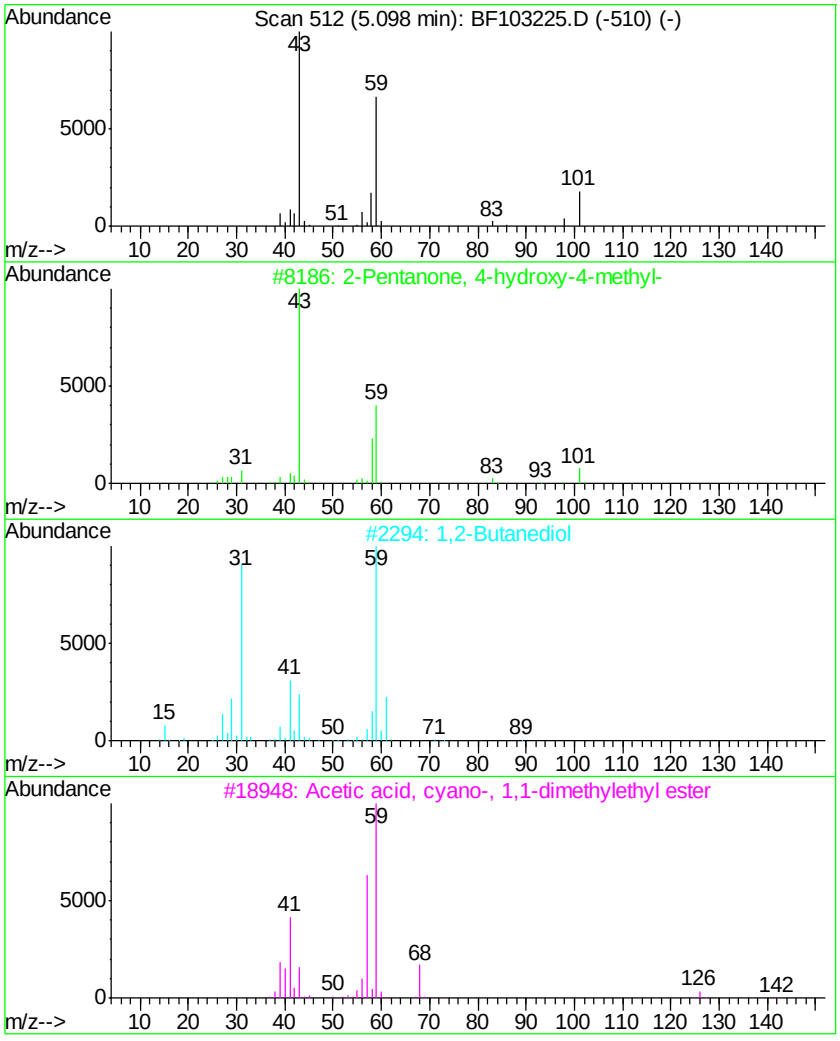
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

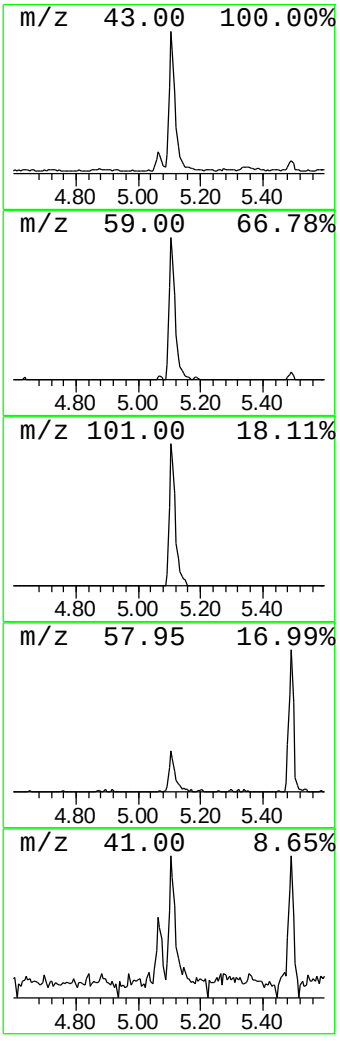
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.10	2.75 ng	145550	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	56
2	1,2-Butanediol	90	C4H10O2	000584-03-2	25
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103225.D
Acq On : 26 Feb 2018 18:52
Operator : SJ/JU
Sample : J1691-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B4

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

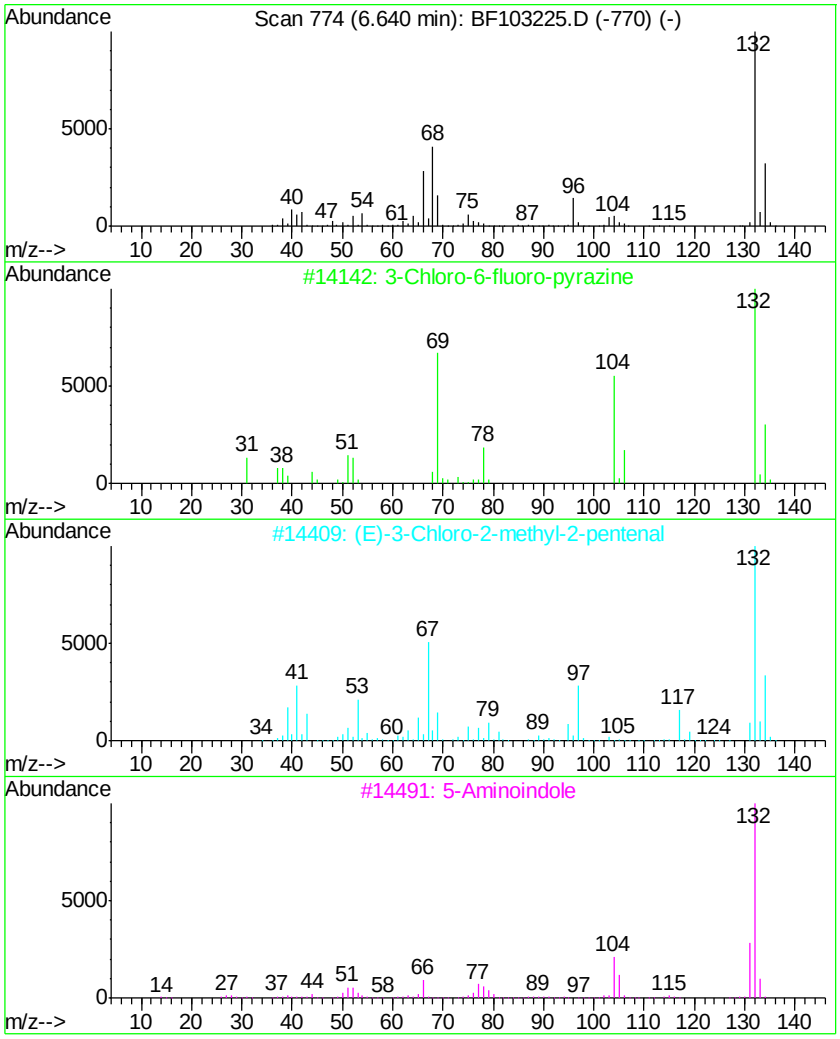
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

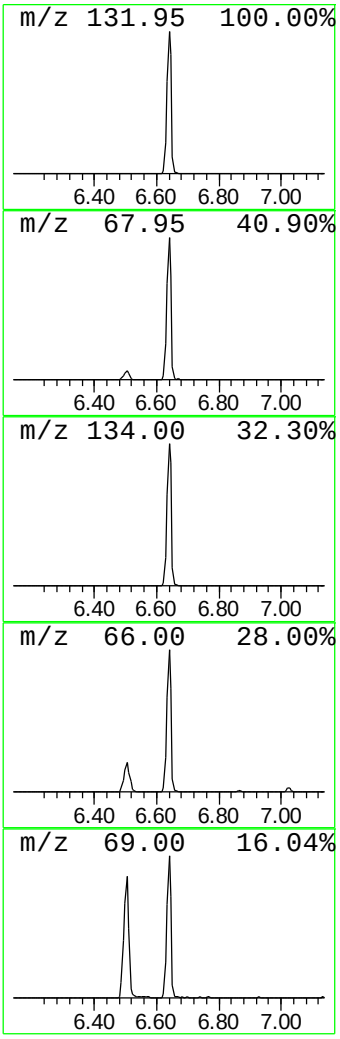
****

Peak Number 3 unknown6.64 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	71.07 ng	3760770	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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Acq On : 26 Feb 2018 18:52
Operator : SJ/JU
Sample : J1691-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B4

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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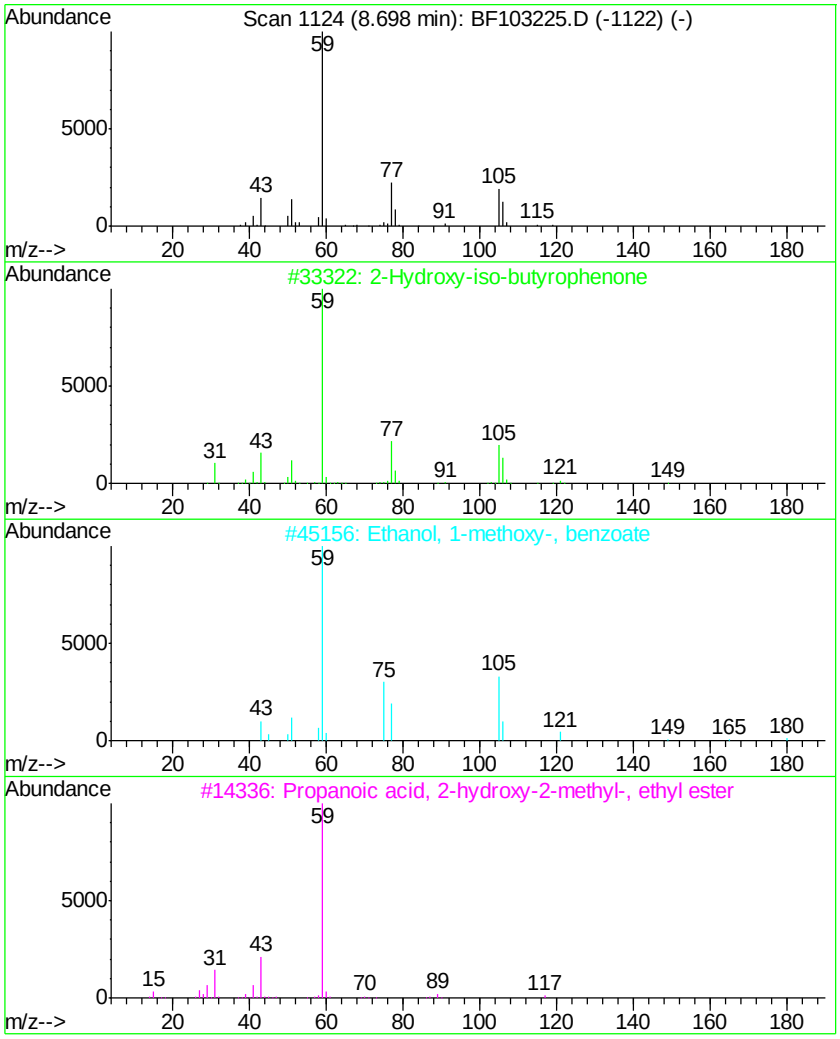
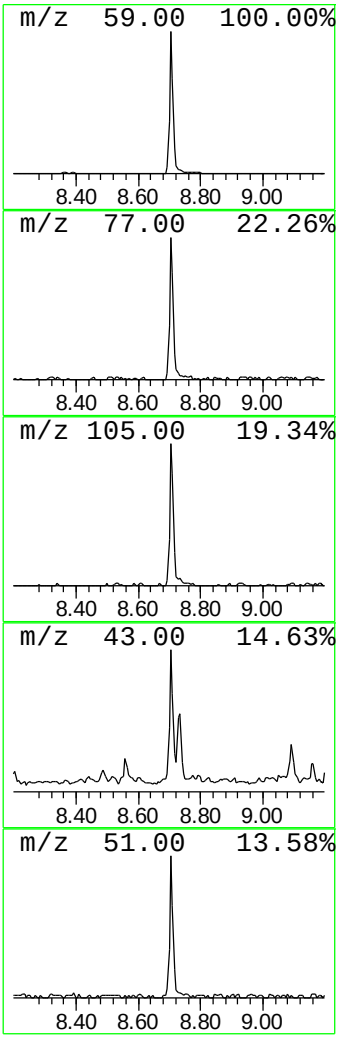
Peak Number 5 2-Hydroxy-iso-butyrophenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.70	3.23 ng	221087	Naphthalene-d8	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hydroxy-iso-butyrophenone	164	C10H12O2	007473-98-5	90
2	Ethanol, 1-methoxy-, benzoate	180	C10H12O3	051835-44-0	50
3	Propanoic acid, 2-hydroxy-2-meth...	132	C6H12O3	000080-55-7	9
4	Guanidine	59	CH5N3	000113-00-8	7
5	Pentanamide, 4-methyl-	115	C6H13NO	001119-29-5	7





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B4

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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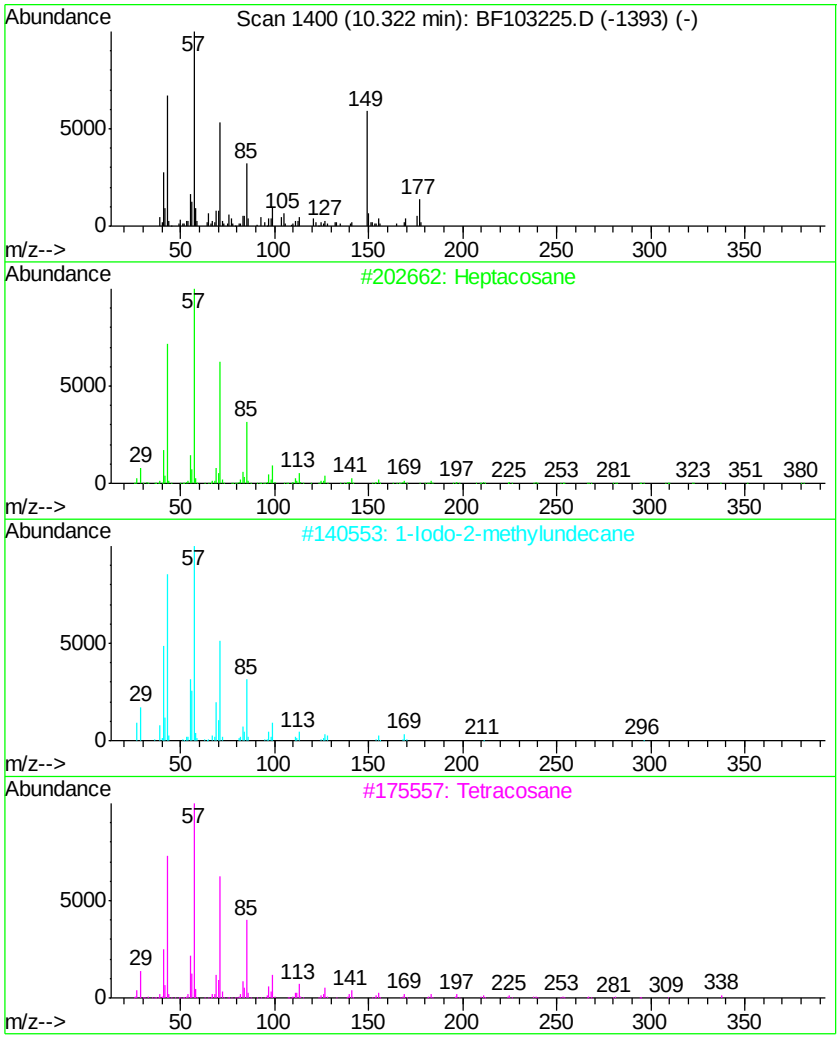
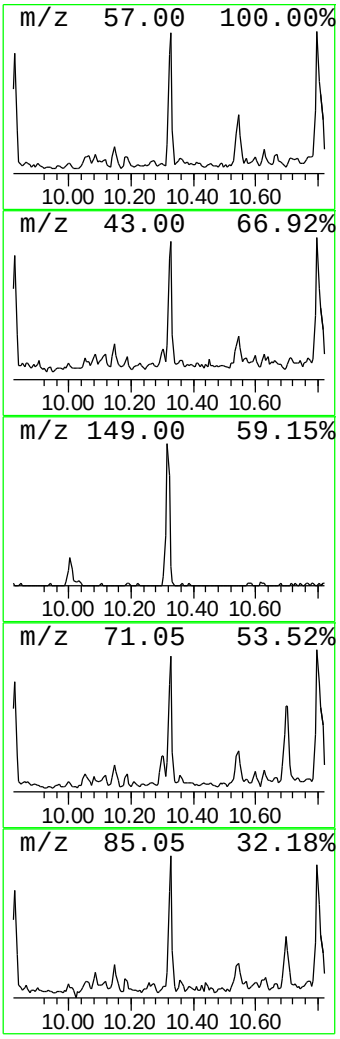
Peak Number 6 unknown10.32 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	2.59 ng	189015	Acenaphthene-d10	9.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	49
2	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	49
3	Tetracosane	338	C24H50	000646-31-1	46
4	Tetradecane	198	C14H30	000629-59-4	46
5	Hexadecane	226	C16H34	000544-76-3	46





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Data File : BF103225.D
Acq On : 26 Feb 2018 18:52
Operator : SJ/JU
Sample : J1691-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B4

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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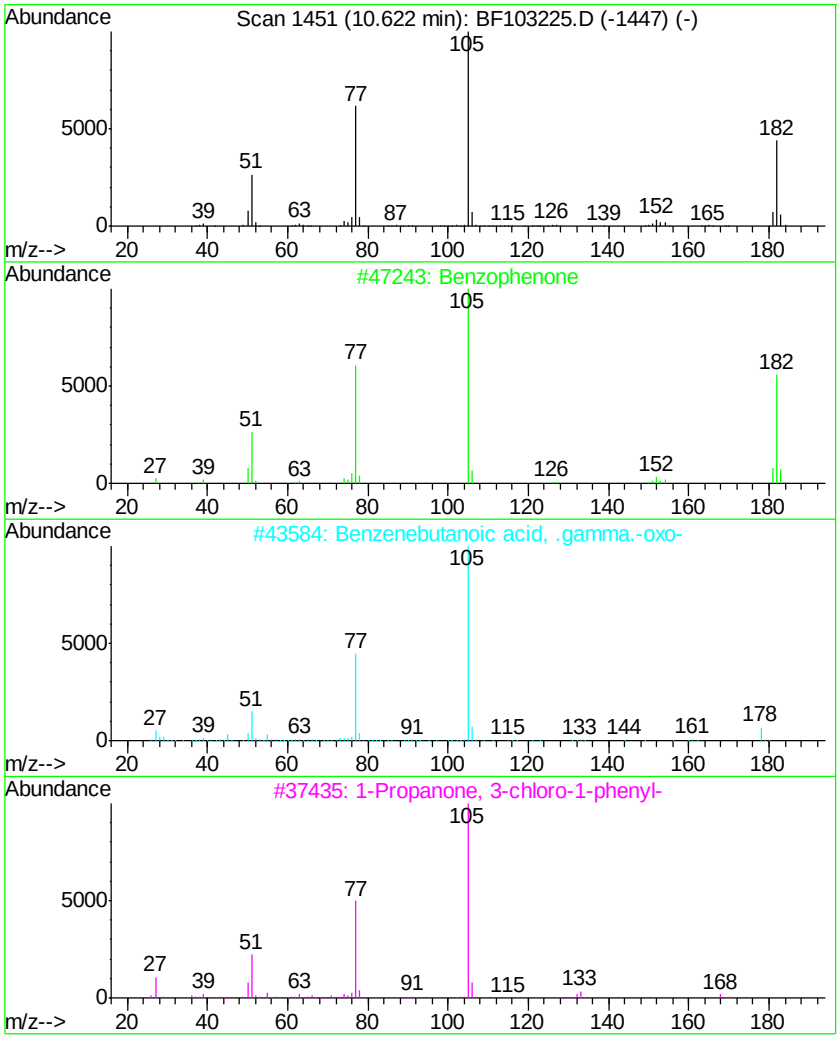
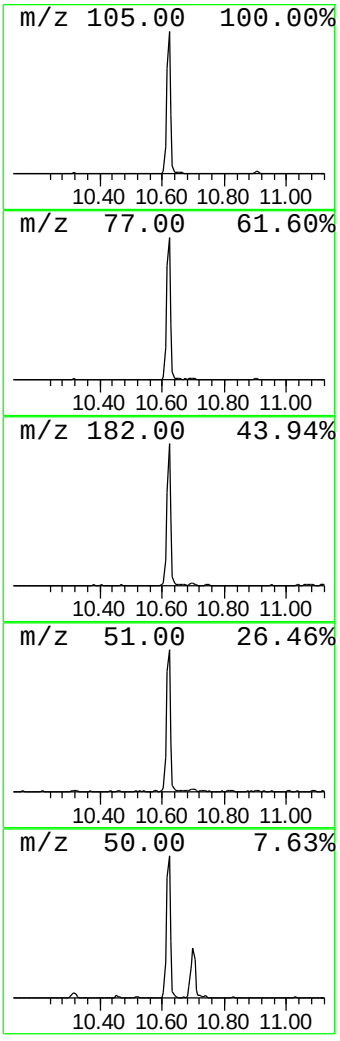
Peak Number 7 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	13.41 ng	978373	Acenaphthene-d10	9.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
3	1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	47
4	Benzoyl bromide	184	C7H5BrO	000618-32-6	47
5	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47





Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103225.D
Acq On : 26 Feb 2018 18:52
Operator : SJ/JU
Sample : J1691-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B4

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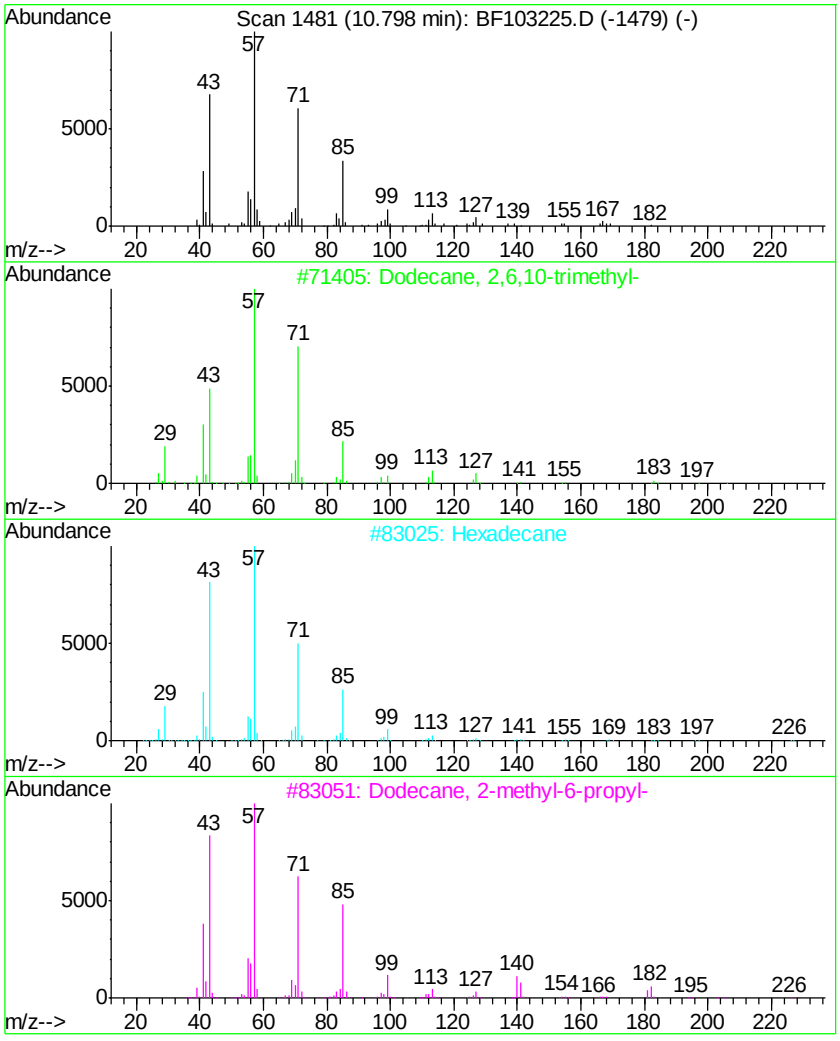
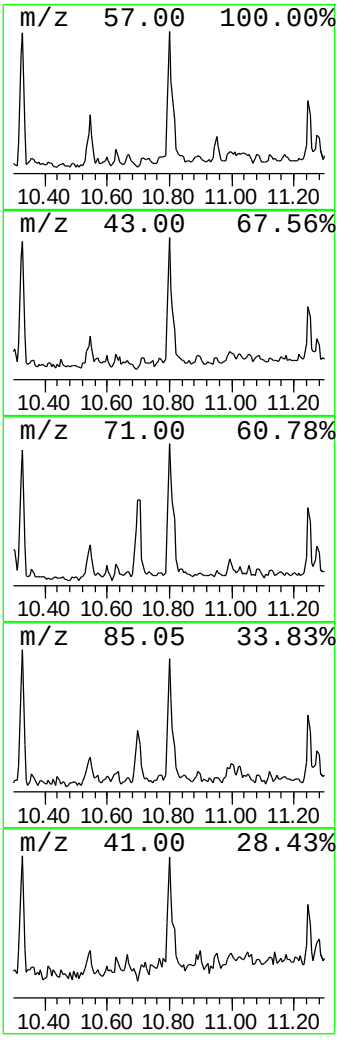
Peak Number 8 Dodecane, 2,6,10-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	2.73 ng	184790	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80
2	Hexadecane	226	C16H34	000544-76-3	80
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	78
4	Octadecane	254	C18H38	000593-45-3	72
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72





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Sample : J1691-13
Misc :
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ClientSampleId : B4

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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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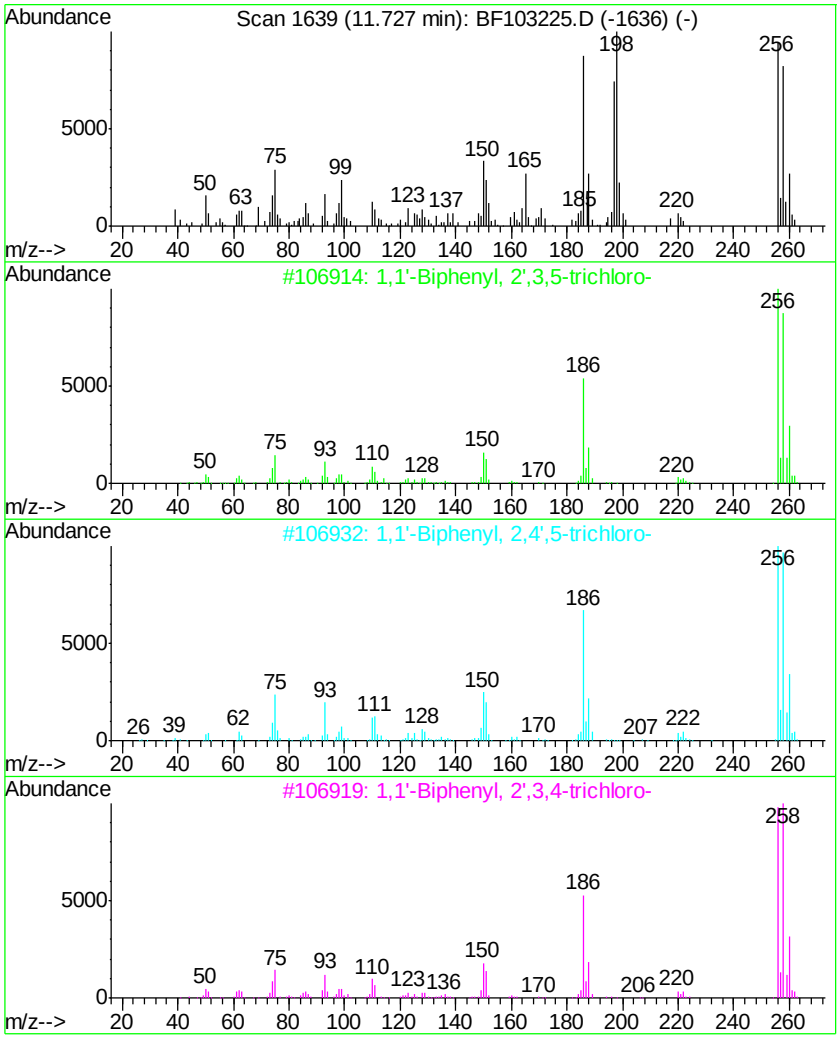
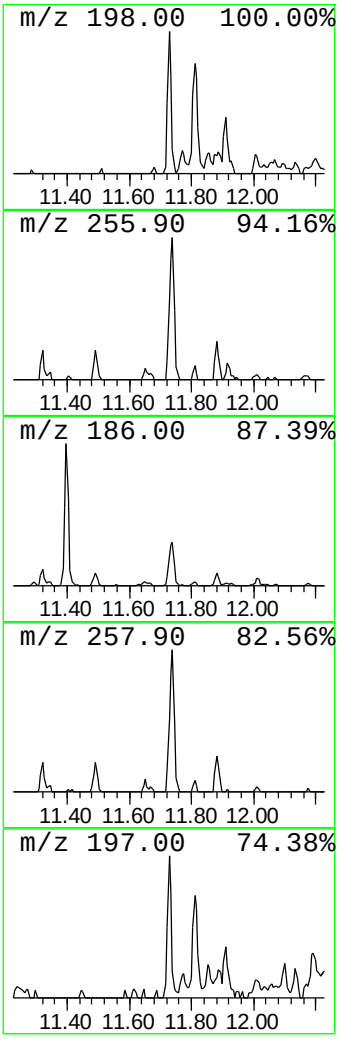
Peak Number 9 1,1'-Biphenyl, 2',3,5-trich... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	2.62 ng	177250	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2',3,5-trichloro-	256	C12H7Cl3	037680-68-5	99
2	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	99
3	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	99
4	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	99
5	1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	98





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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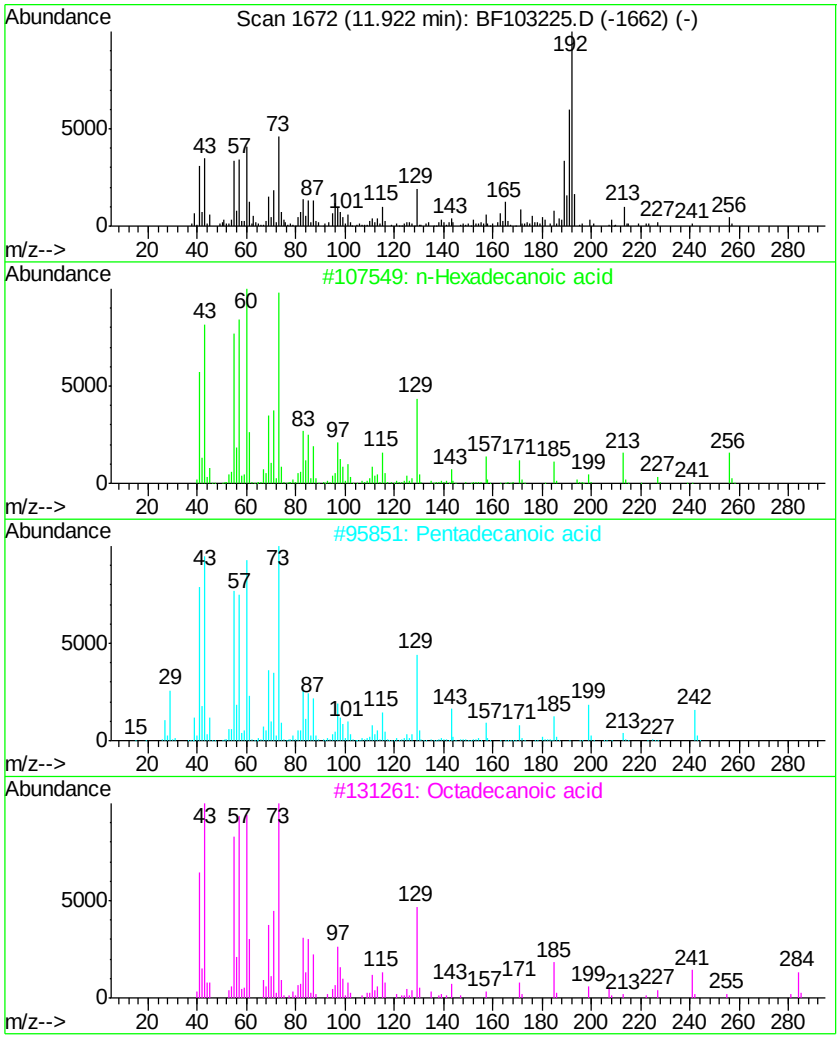
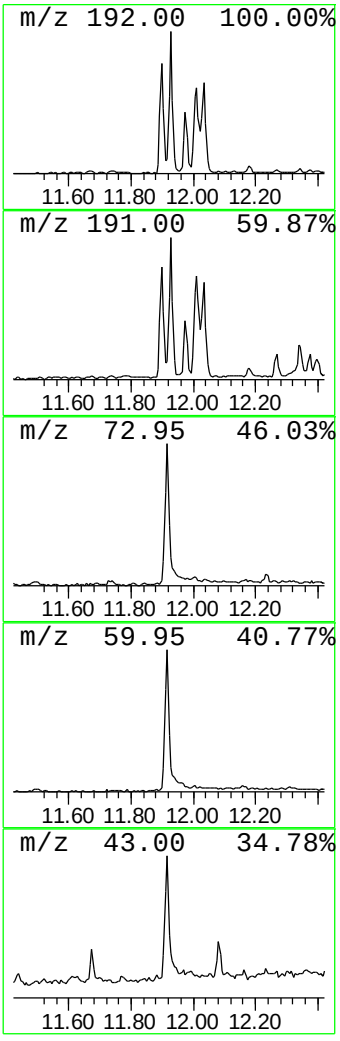
Peak Number 10 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	10.06 ng	681199	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3	Octadecanoic acid	284	C18H36O2	000057-11-4	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
5	Tridecanoic acid	214	C13H26O2	000638-53-9	86





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TIC Library : C:\DATABASE\NIST11.L
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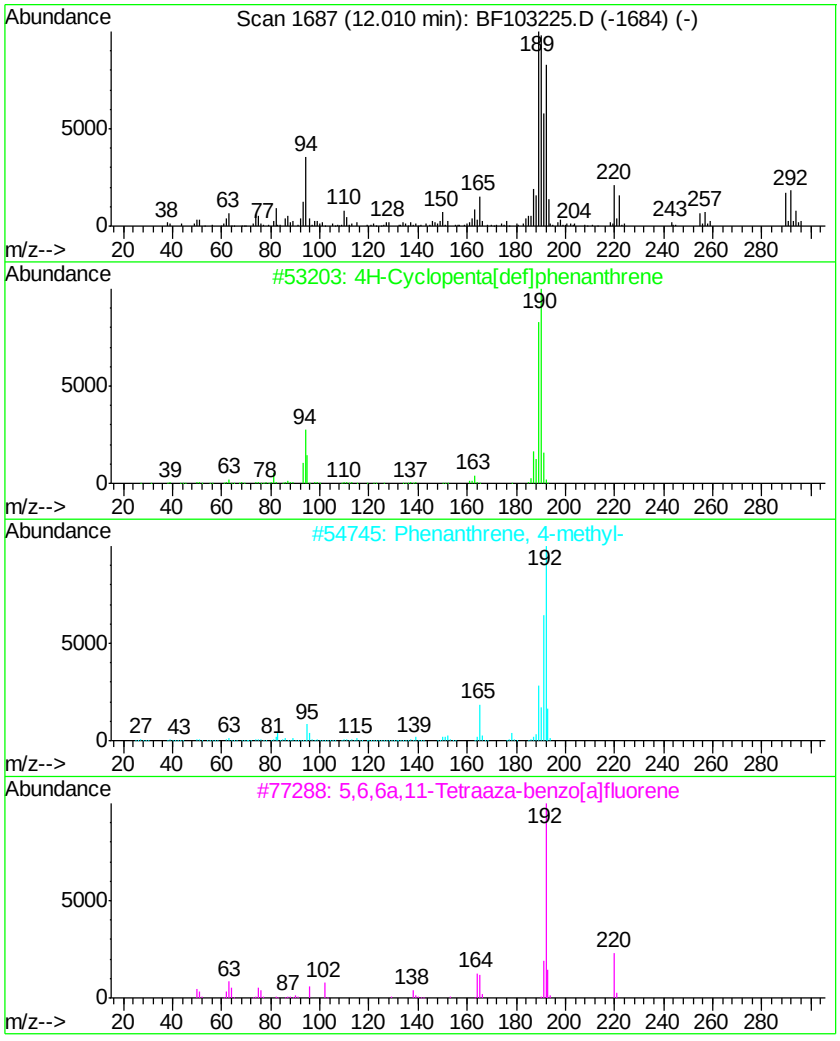
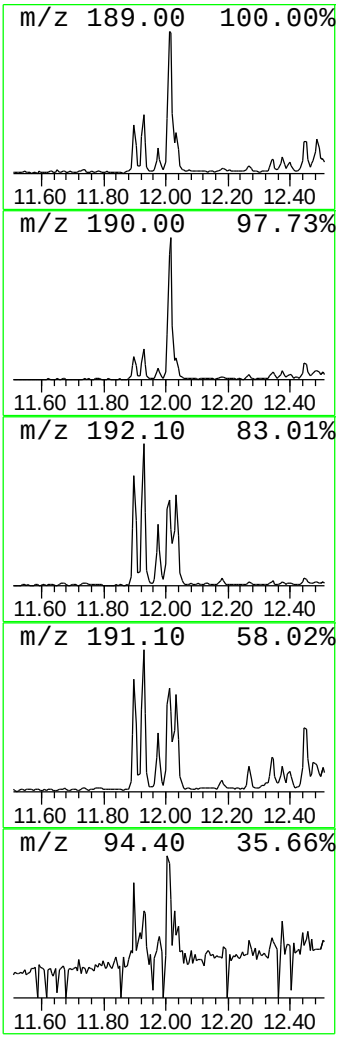
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	5.02 ng	339563	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38
3	5,6,6a,11-Tetraaza-benzo[a]fluorene	220	C13H8N4	000239-49-6	35
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	35
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30





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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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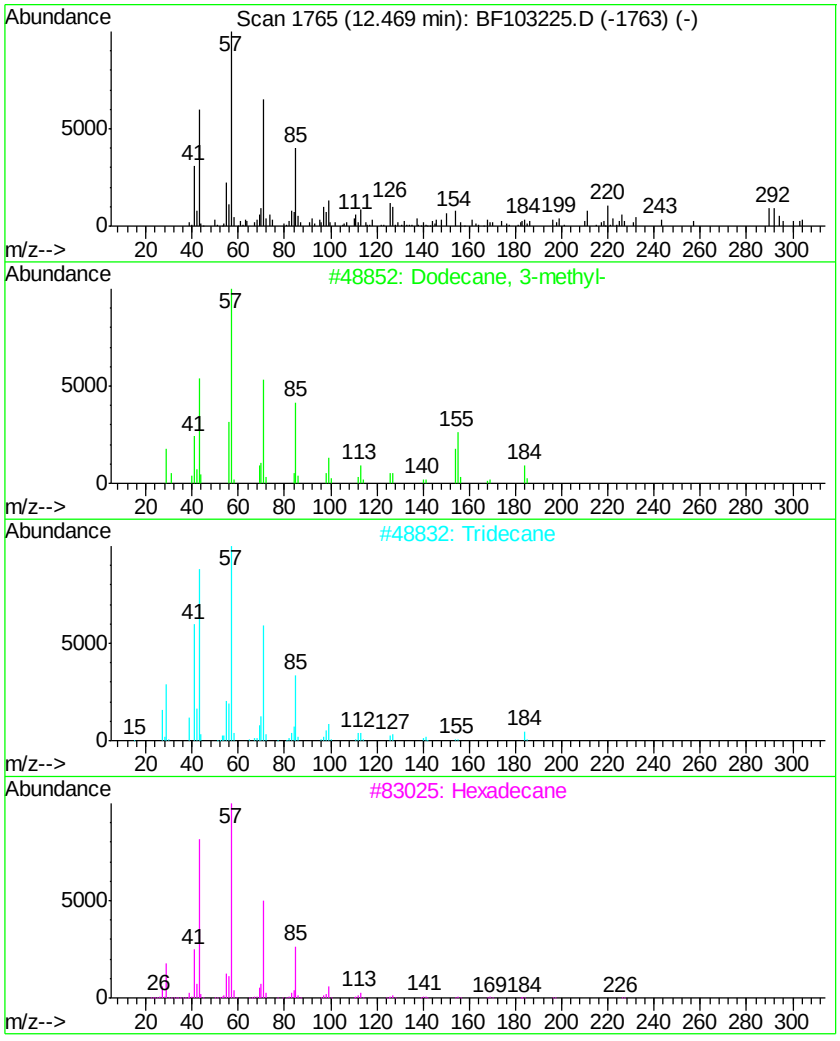
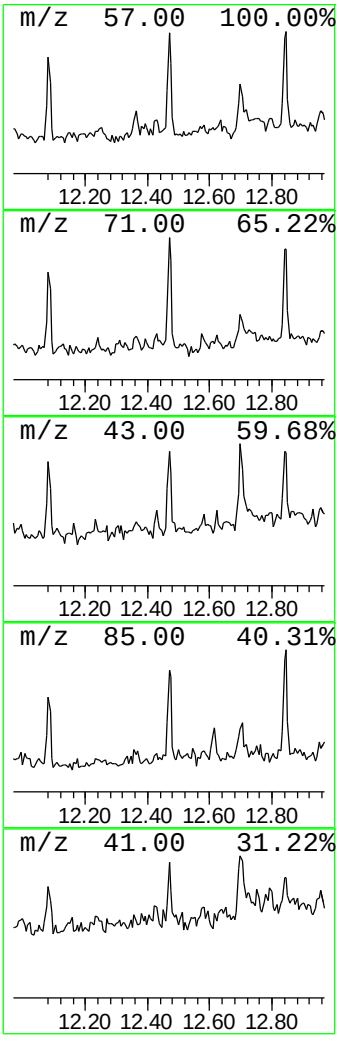
Peak Number 12 unknown12.47 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	2.47 ng	166966	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 3-methyl-	184	C13H28	017312-57-1	49
2	Tridecane	184	C13H28	000629-50-5	46
3	Hexadecane	226	C16H34	000544-76-3	46
4	Heneicosane	296	C21H44	000629-94-7	46
5	Tetradecane	198	C14H30	000629-59-4	45





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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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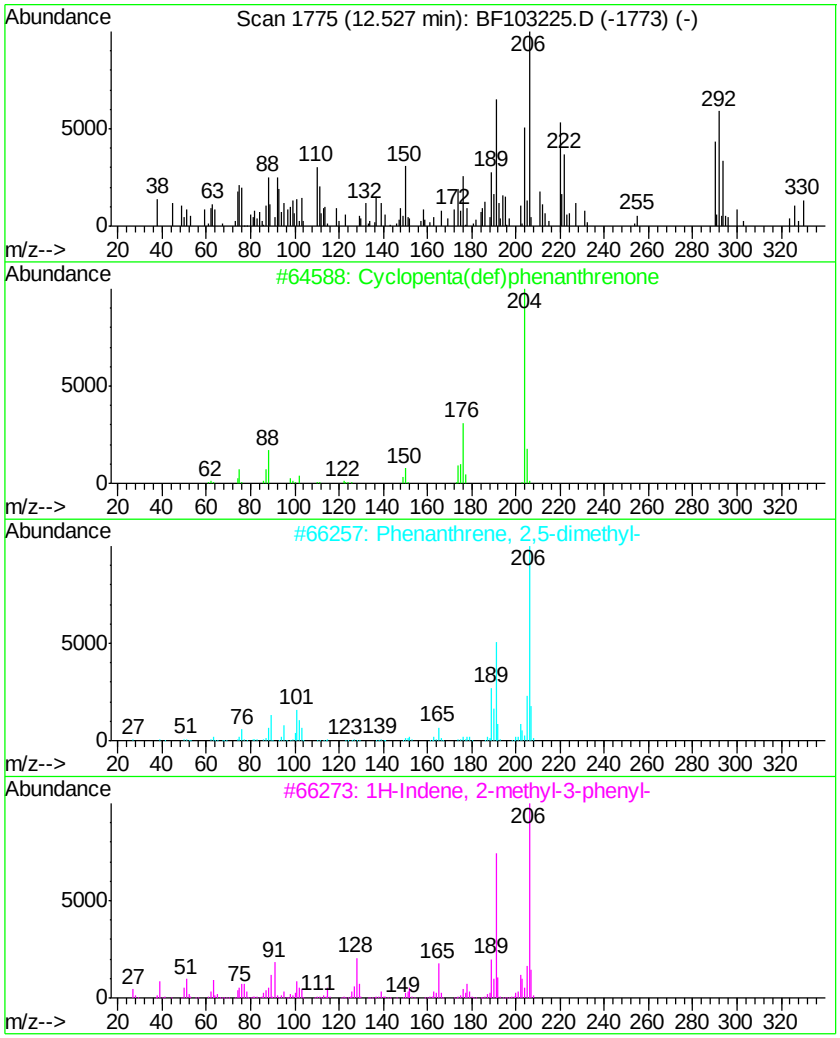
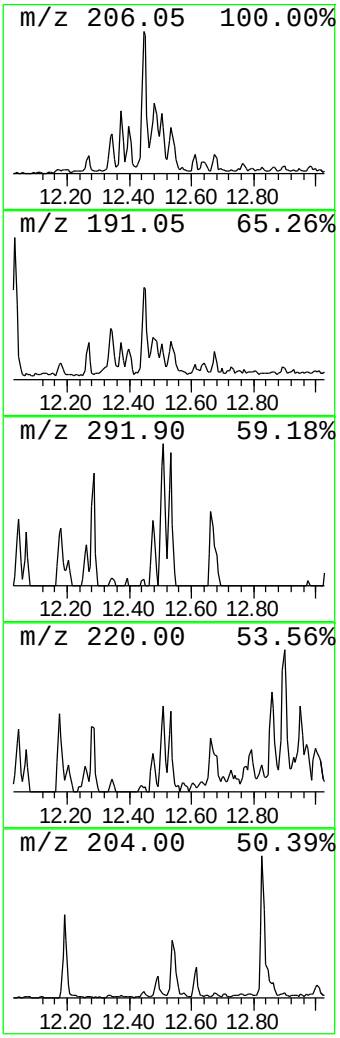
Peak Number 13 unknown12.53 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	2.43 ng	164803	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	38
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	25
3	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	25
4	Acetamide, 2-(3,4-dihydro-1-isoq...	332	C17H14F2N2OS	1000270-76-1	22
5	Isoquinoline-4-carbonitrile, 2,3...	220	C10H12N4S	1000302-20-9	22





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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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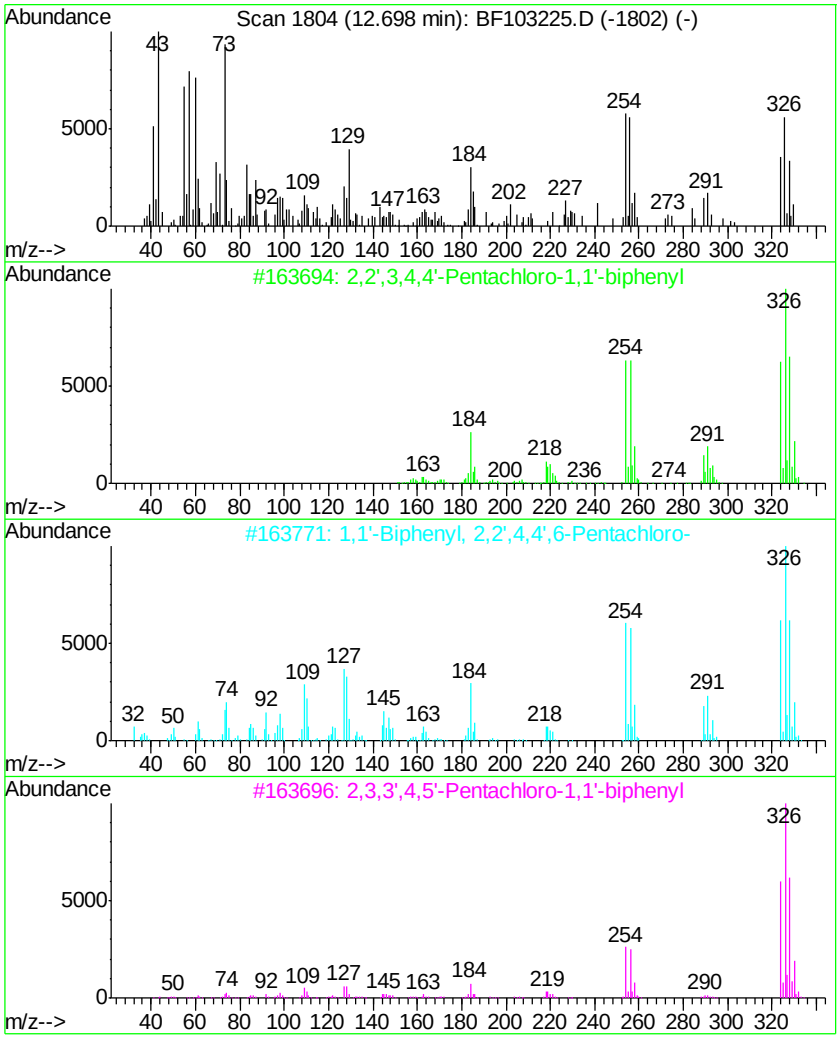
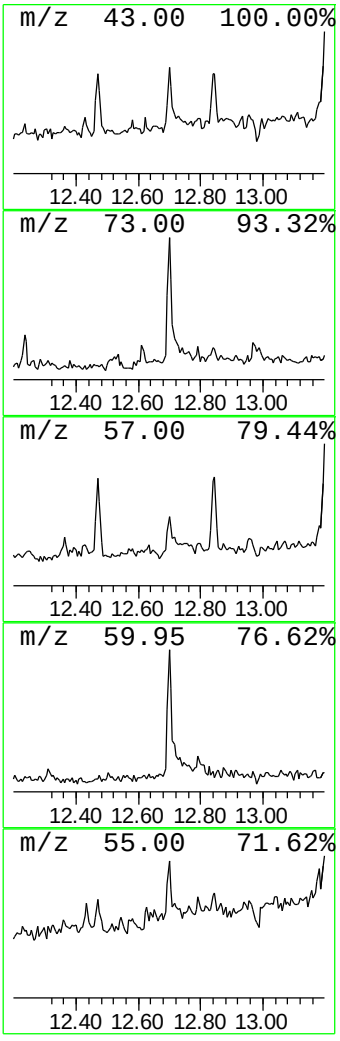
Peak Number 14 2,2',3,4,4'-Pentachloro-1,1... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	2.09 ng	141651	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,4,4'-Pentachloro-1,1'-bip...	324	C12H5Cl5	065510-45-4	99
2	1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	97
3	2,3,3',4,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	95
4	3,3',4,4',5-Pentachloro-1,1'-bi...	324	C12H5Cl5	057465-28-8	95
5	2,2',3,6,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-54-9	95





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TIC Integration Parameters: LSCINT.P

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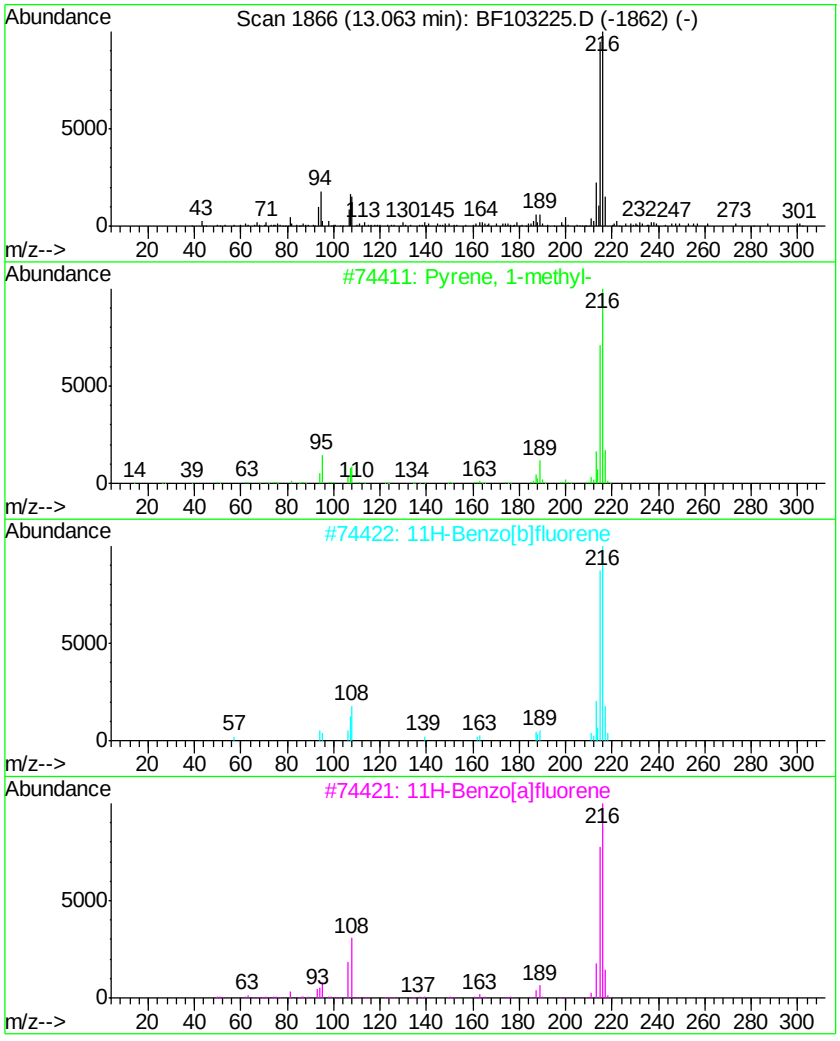
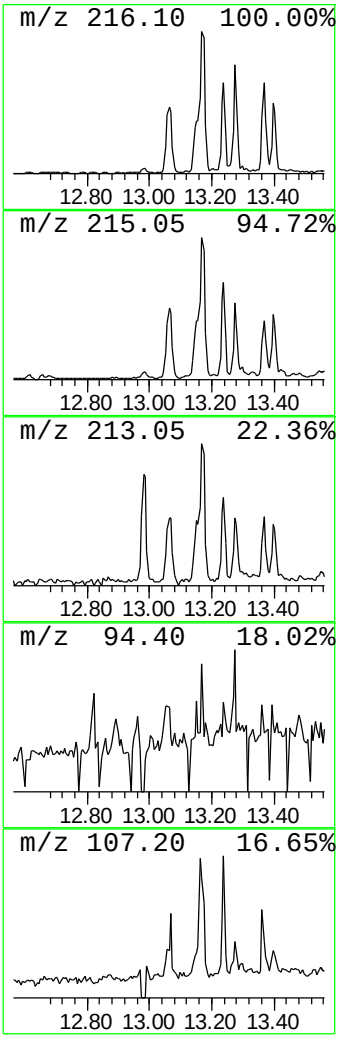
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	2.01 ng	182752	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





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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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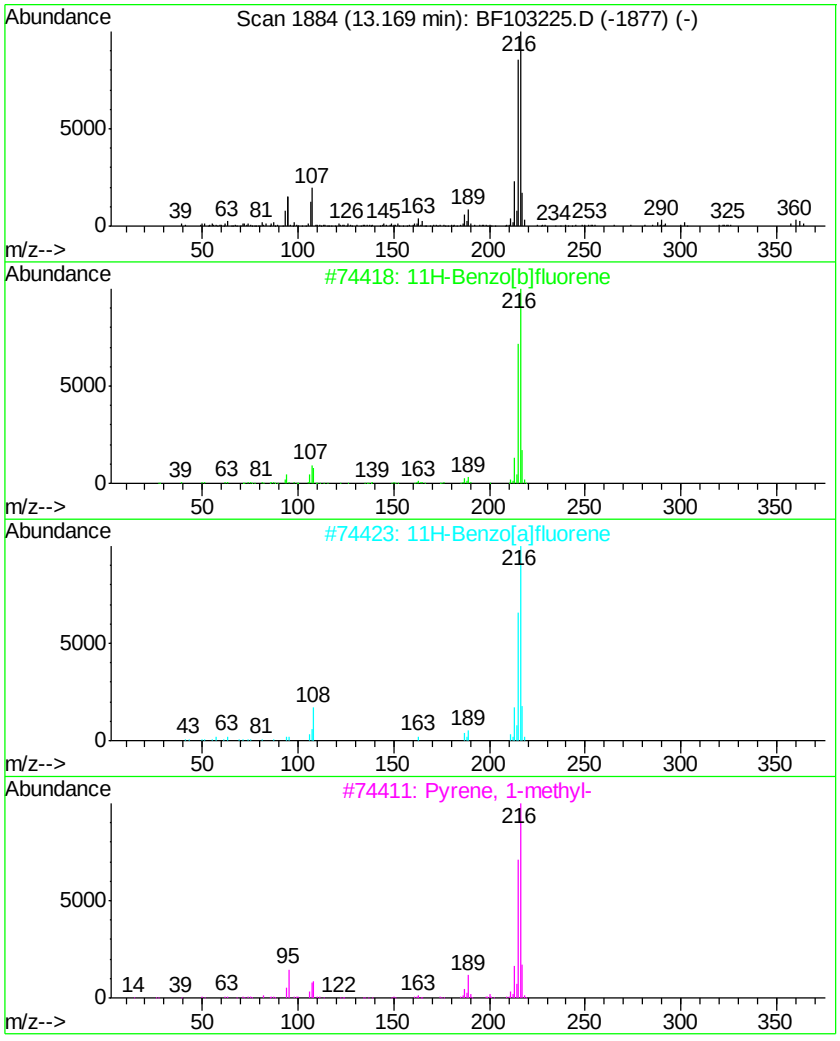
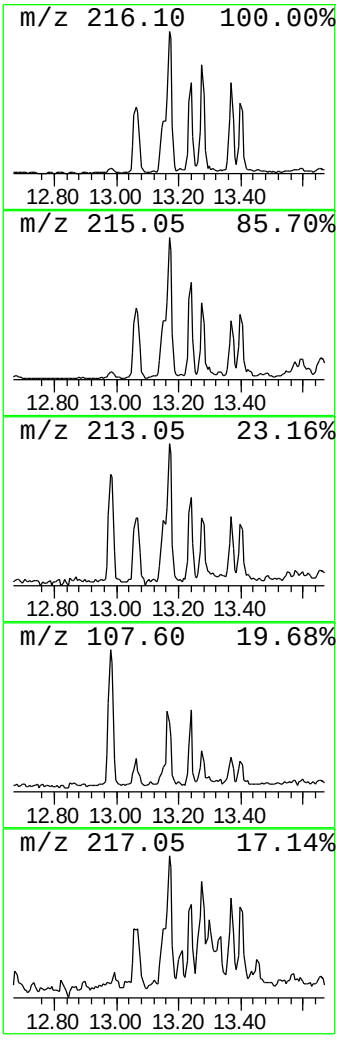
Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	4.23 ng	384145	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89





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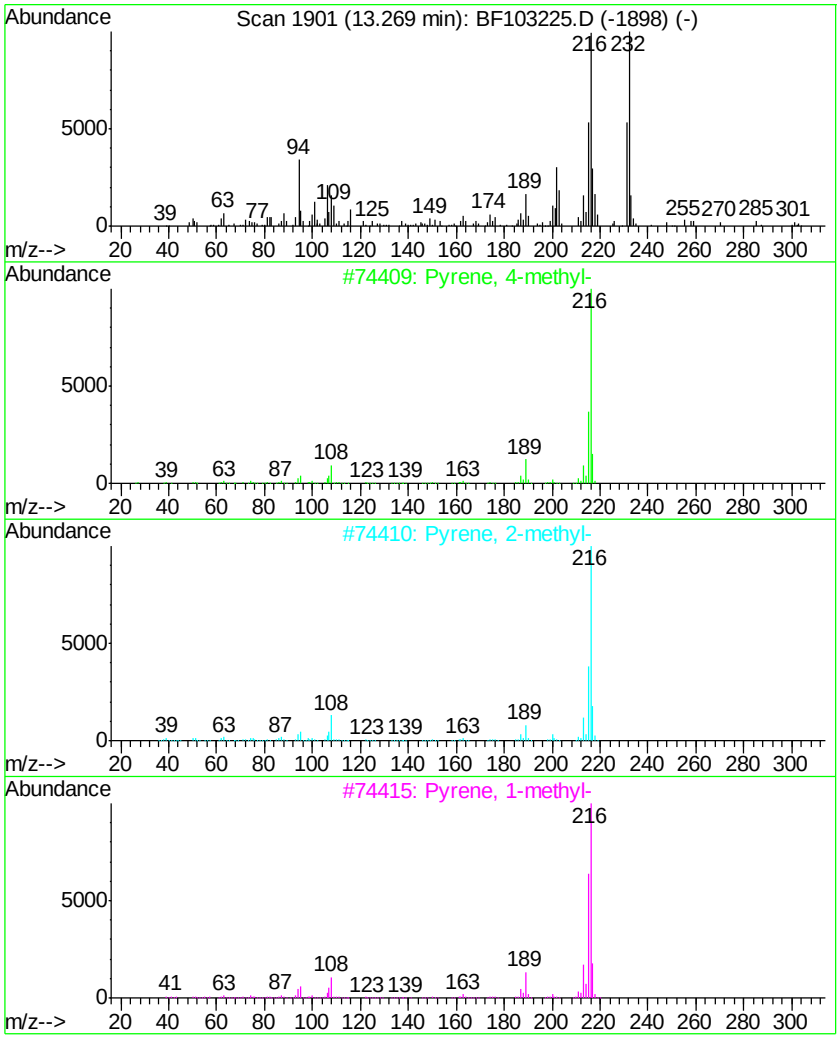
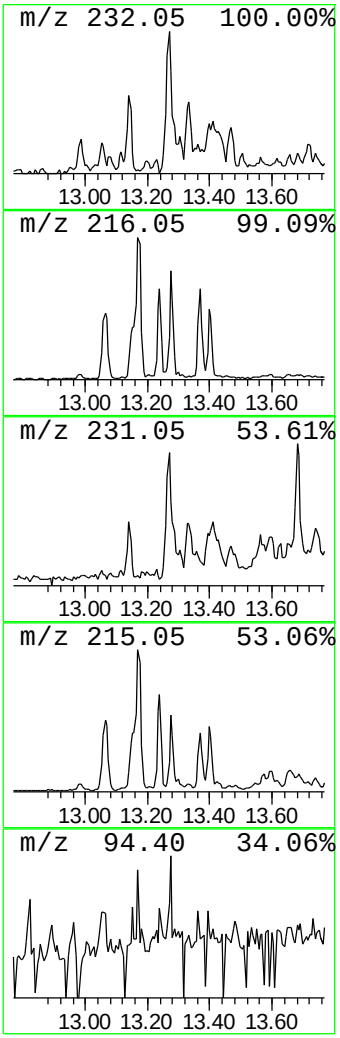
Peak Number 17 Pyrene, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	2.02 ng	183600	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70





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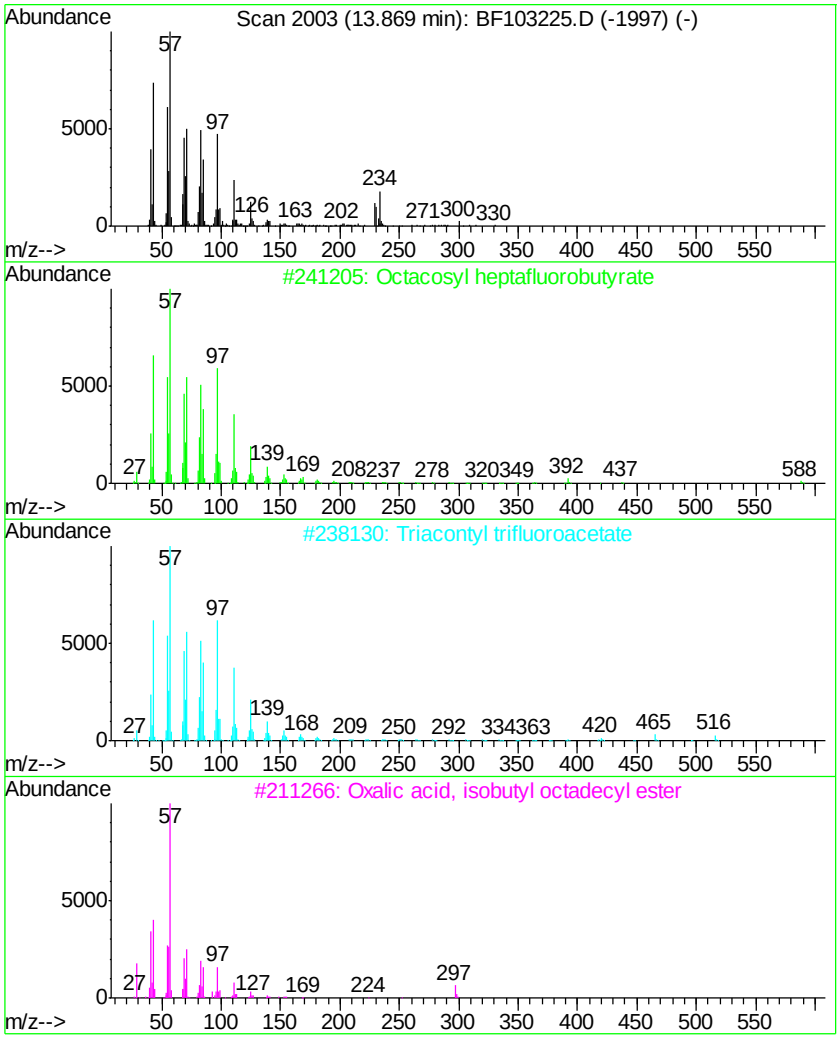
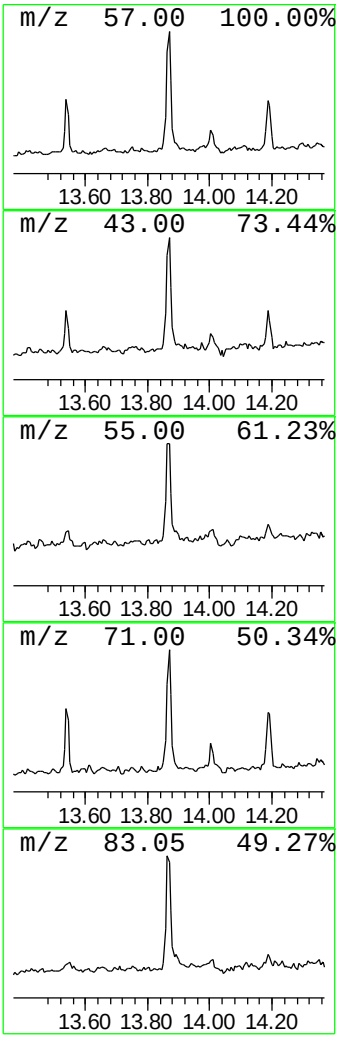
Peak Number 18 Octacosyl heptafluorobutyrate Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	6.01 ng	545337	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosyl heptafluorobutyrate	606	C32H57F7O2	1000351-83-6	74
2	Triacontyl trifluoroacetate	534	C32H61F3O2	1000351-75-7	74
3	Oxalic acid, isobutyl octadecyl ...	398	C24H46O4	1000309-38-3	74
4	Oxalic acid, isobutyl heptadecyl...	384	C23H44O4	1000309-38-2	74
5	Triacontyl pentafluoropropionate	584	C33H61F5O2	1000351-80-0	74





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TIC Integration Parameters: LSCINT.P

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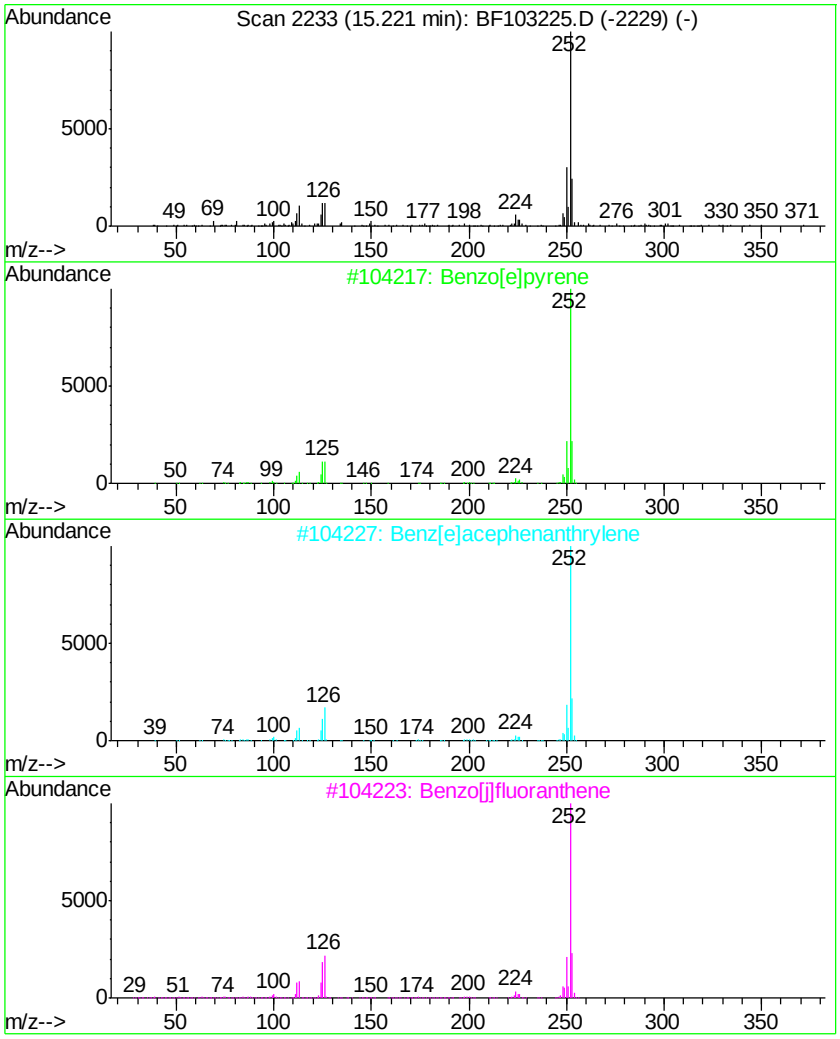
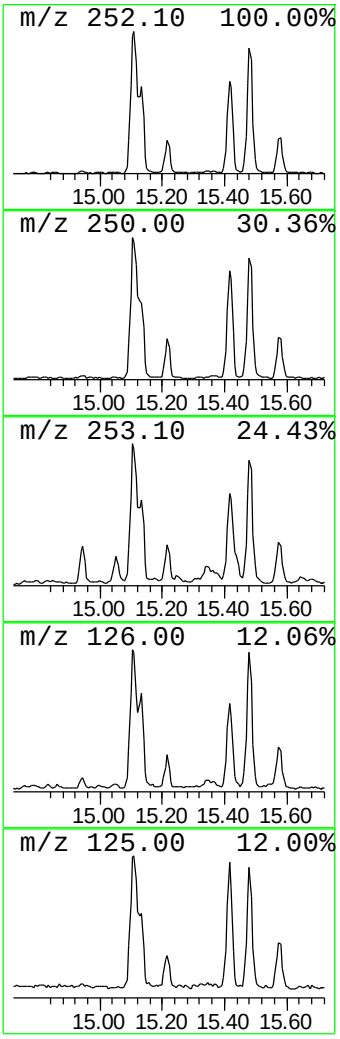
Peak Number 19 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	6.27 ng	284952	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	96
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
5	Perylene	252	C20H12	000198-55-0	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022618\
Data File : BF103225.D
Acq On : 26 Feb 2018 18:52
Operator : SJ/JU
Sample : J1691-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B4

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...	2.13	26.8	ng	1416340	1	6.87	1058380	20.0
2-Pentanone, 4-hy...	5.10	2.8	ng	145550	1	6.87	1058380	20.0
unknown6.64	6.64	71.1	ng	3760770	1	6.87	1058380	20.0
2-Hydroxy-iso-but...	8.70	3.2	ng	221087	2	8.15	1369560	20.0
unknown10.32	10.32	2.6	ng	189015	3	9.91	1459390	20.0
Benzophenone	10.62	13.4	ng	978373	3	9.91	1459390	20.0
Dodecane, 2,6,10-...	10.80	2.7	ng	184790	4	11.40	1353860	20.0
1,1'-Biphenyl, 2'...	11.73	2.6	ng	177250	4	11.40	1353860	20.0
n-Hexadecanoic acid	11.92	10.1	ng	681199	4	11.40	1353860	20.0
4H-Cyclopenta[def...	12.01	5.0	ng	339563	4	11.40	1353860	20.0
unknown12.47	12.47	2.5	ng	166966	4	11.40	1353860	20.0
unknown12.53	12.53	2.4	ng	164803	4	11.40	1353860	20.0
2,2',3,4,4'-Penta...	12.70	2.1	ng	141651	4	11.40	1353860	20.0
Pyrene, 1-methyl-	13.06	2.0	ng	182752	5	14.05	1815150	20.0
11H-Benzo[b]fluorene	13.17	4.2	ng	384145	5	14.05	1815150	20.0
Pyrene, 4-methyl-	13.27	2.0	ng	183600	5	14.05	1815150	20.0
Octacosyl heptafl...	13.87	6.0	ng	545337	5	14.05	1815150	20.0
Benzo[e]pyrene	15.22	6.3	ng	284952	6	15.54	909038	20.0