LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103843.D
Acq On : 22 Mar 2018 11:02
Operator : JU/SJ
Sample : J1946-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-104(4-5)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.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	2.316	33	39	46	rVB	128901	172438	4.58%	0.278%
2	5.598	589	597	600	rBV	3307527	3479718	92.50%	5.616%
3	5.916	648	651	660	rVB	146577	131939	3.51%	0.213%
4	6.592	760	766	775	rVV2	3016845	3696768	98.27%	5.966%
5	6.739	786	791	795	rBV	3459315	3505740	93.19%	5.658%
6	6.792	798	800	805	rVB2	99825	106264	2.82%	0.171%
7	6.969	827	830	833	rBV	1008698	809280	21.51%	1.306%
8	7.128	853	857	860	rBV	3086048	2783932	74.00%	4.493%
9	7.151	860	861	864	rVB	233601	111266	2.96%	0.180%
10	7.228	869	874	878	rVB	227950	194740	5.18%	0.314%
11	7.533	921	926	929	rVB	2306812	2179401	57.93%	3.517%
12	7.998	1000	1005	1008	rBV2	184449	226031	6.01%	0.365%
13	8.033	1008	1011	1019	rVB	174546	233441	6.21%	0.377%
14	8.251	1044	1048	1050	rBV	1201319	1205282	32.04%	1.945%
15	8.275	1050	1052	1055	rVV	2441328	1951925	51.89%	3.150%
16	8.327	1057	1061	1064	rVB	131975	129742	3.45%	0.209%
17	8.963	1165	1169	1173	rBV	1358763	1208890	32.13%	1.951%
18	9.063	1181	1186	1190	rBV	1115197	1018272	27.07%	1.643%
19	9.327	1224	1231	1234	rBV	4127927	3761956	100.00%	6.071%
20	9.427	1245	1248	1252	rVB	281852	223089	5.93%	0.360%
21	9.522	1262	1264	1270	rVB	263245	275005	7.31%	0.444%
22	9.592	1271	1276	1279	rBV2	341724	455816	12.12%	0.736%
23	9.663	1284	1288	1291	rBV	485838	537893	14.30%	0.868%
24	9.692	1291	1293	1295	rVV	285486	225172	5.99%	0.363%
25	9.716	1295	1297	1304	rVB	509512	476262	12.66%	0.769%
26	9.780	1304	1308	1310	rBV	257872	249070	6.62%	0.402%
27	9.869	1317	1323	1329	rBV	519041	493270	13.11%	0.796%
28	9.927	1329	1333	1337	rVB	120341	107250	2.85%	0.173%
29	9.986	1340	1343	1344	rBV	153571	112245	2.98%	0.181%
30	10.010	1344	1347	1350	rVV2	1451942	1259442	33.48%	2.033%
31	10.045	1350	1353	1356	rVB	533427	417532	11.10%	0.674%
32	10.116	1361	1365	1369	rBV2	122455	152630	4.06%	0.246%
33	10.210	1377	1381	1385	rVB3	182525	241738	6.43%	0.390%
34	10.251	1385	1388	1391	rVB	195240	169492	4.51%	0.274%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103843.D
Acq On : 22 Mar 2018 11:02
Operator : JU/SJ
Sample : J1946-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-104(4-5)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.321	1396	1400	1403	rBV2	183489	239178	6.36%	0.386%
36	10.427	1410	1418	1421	rVB4	204817	345523	9.18%	0.558%
37	10.463	1421	1424	1427	rBV	172905	158010	4.20%	0.255%
38	10.533	1433	1436	1437	rBV	147856	121029	3.22%	0.195%
39	10.563	1437	1441	1446	rVB	516216	583597	15.51%	0.942%
40	10.645	1452	1455	1457	rVV2	96683	103071	2.74%	0.166%
41	10.669	1457	1459	1462	rVV	118365	103831	2.76%	0.168%
42	10.716	1462	1467	1470	rVV4	72383	124135	3.30%	0.200%
43	10.804	1474	1482	1486	rBV2	2535008	2684015	71.35%	4.332%
44	10.904	1496	1499	1500	rBV	139955	136856	3.64%	0.221%
45	11.110	1529	1534	1536	rBV	199505	278635	7.41%	0.450%
46	11.139	1536	1539	1542	rVV	146981	147018	3.91%	0.237%
47	11.192	1545	1548	1550	rBV	164752	139032	3.70%	0.224%
48	11.351	1572	1575	1578	rVV2	122205	106698	2.84%	0.172%
49	11.398	1578	1583	1587	rVB	435053	469174	12.47%	0.757%
50	11.504	1597	1601	1603	rBV	1468031	1342942	35.70%	2.167%
51	11.527	1603	1605	1609	rVV	1734727	1619558	43.05%	2.614%
52	11.580	1611	1614	1617	rVV	535206	440237	11.70%	0.710%
53	11.610	1617	1619	1622	rVV2	95447	114726	3.05%	0.185%
54	11.663	1625	1628	1633	rVB3	74591	102628	2.73%	0.166%
55	11.733	1638	1640	1643	rVV2	114651	126857	3.37%	0.205%
56	11.833	1654	1657	1662	rVV	302494	309931	8.24%	0.500%
57	11.880	1662	1665	1668	rVB	315964	243737	6.48%	0.393%
58	11.921	1668	1672	1675	rVB	211691	238334	6.34%	0.385%
59	12.010	1683	1687	1689	rVV	513138	579621	15.41%	0.935%
60	12.033	1689	1691	1695	rVB	574265	495624	13.17%	0.800%
61	12.080	1696	1699	1702	rBV	205989	210639	5.60%	0.340%
62	12.121	1702	1706	1708	rVV2	644147	743162	19.75%	1.199%
63	12.139	1708	1709	1712	rVV	359793	267593	7.11%	0.432%
64	12.304	1733	1737	1739	rBV	237169	228443	6.07%	0.369%
65	12.333	1739	1742	1748	rVB	137924	188108	5.00%	0.304%
66	12.404	1748	1754	1757	rBV4	81494	163894	4.36%	0.265%
67	12.480	1764	1767	1769	rVV2	144518	129592	3.44%	0.209%
68	12.504	1769	1771	1774	rVB2	142553	121533	3.23%	0.196%
69	12.568	1774	1782	1784	rBV2	682244	1031890	27.43%	1.665%
70	12.592	1784	1786	1789	rVV2	719913	700527	18.62%	1.131%
71	12.645	1792	1795	1798	rBV2	118232	194396	5.17%	0.314%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103843.D
Acq On : 22 Mar 2018 11:02
Operator : JU/SJ
Sample : J1946-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-104(4-5)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.674	1798	1800	1804	rVB	213132	214383	5.70%	0.346%
73	12.721	1804	1808	1812	rBV	1057199	915496	24.34%	1.477%
74	12.762	1812	1815	1817	rBV2	112711	100453	2.67%	0.162%
75	12.815	1821	1824	1827	rVB	241283	204741	5.44%	0.330%
76	12.874	1831	1834	1836	rBV	179386	168773	4.49%	0.272%
77	12.957	1844	1848	1853	rVB	1363868	1302741	34.63%	2.102%
78	13.004	1853	1856	1860	rVB3	126677	129553	3.44%	0.209%
79	13.098	1867	1872	1875	rVV	3430802	3517329	93.50%	5.677%
80	13.168	1880	1884	1891	rBV3	155239	241338	6.42%	0.389%
81	13.262	1896	1900	1901	rBV3	131098	166102	4.42%	0.268%
82	13.280	1901	1903	1906	rVB	350136	295140	7.85%	0.476%
83	13.351	1912	1915	1917	rVB	234099	201263	5.35%	0.325%
84	13.386	1918	1921	1925	rBV	220487	198041	5.26%	0.320%
85	13.480	1934	1937	1939	rBV	186987	148002	3.93%	0.239%
86	13.509	1939	1942	1945	rBV2	203545	206876	5.50%	0.334%
87	13.904	2003	2009	2012	rBV2	244638	320071	8.51%	0.517%
88	13.933	2012	2014	2016	rVV	176214	172784	4.59%	0.279%
89	13.974	2016	2021	2033	rVV5	302336	861877	22.91%	1.391%
90	14.074	2035	2038	2043	rVV2	112506	226437	6.02%	0.365%
91	14.157	2047	2052	2055	rVV2	1478324	1872163	49.77%	3.021%
92	14.180	2055	2056	2064	rVV	519366	461916	12.28%	0.745%
93	14.545	2115	2118	2121	rVB	160649	148541	3.95%	0.240%
94	15.145	2214	2220	2221	rBV4	73890	138495	3.68%	0.224%
95	15.233	2232	2235	2243	rVB3	231146	479608	12.75%	0.774%
96	15.556	2286	2290	2297	rBV	137357	183553	4.88%	0.296%
97	15.621	2297	2301	2307	rVB	229826	295584	7.86%	0.477%
98	15.692	2308	2313	2317	rBV	669029	882378	23.46%	1.424%
99	17.250	2574	2578	2586	rVB3	65841	133684	3.55%	0.216%
100	17.739	2655	2661	2669	rVB2	65616	138632	3.69%	0.224%

Sum of corrected areas: 61962659

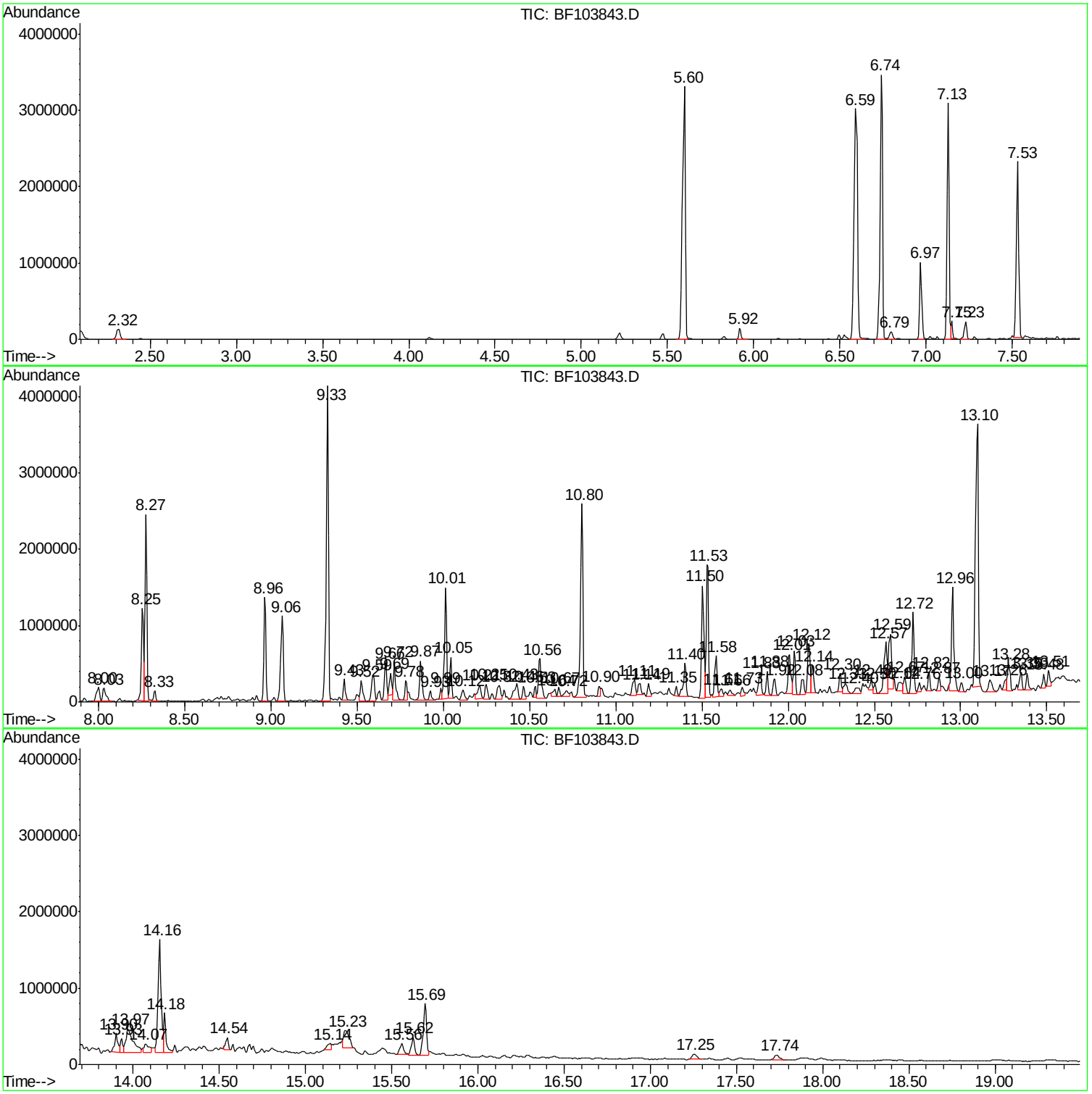
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103843.D
Acq On : 22 Mar 2018 11:02
Operator : JU/SJ
Sample : J1946-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-104(4-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103843.D
Acq On : 22 Mar 2018 11:02
Operator : JU/SJ
Sample : J1946-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-104(4-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

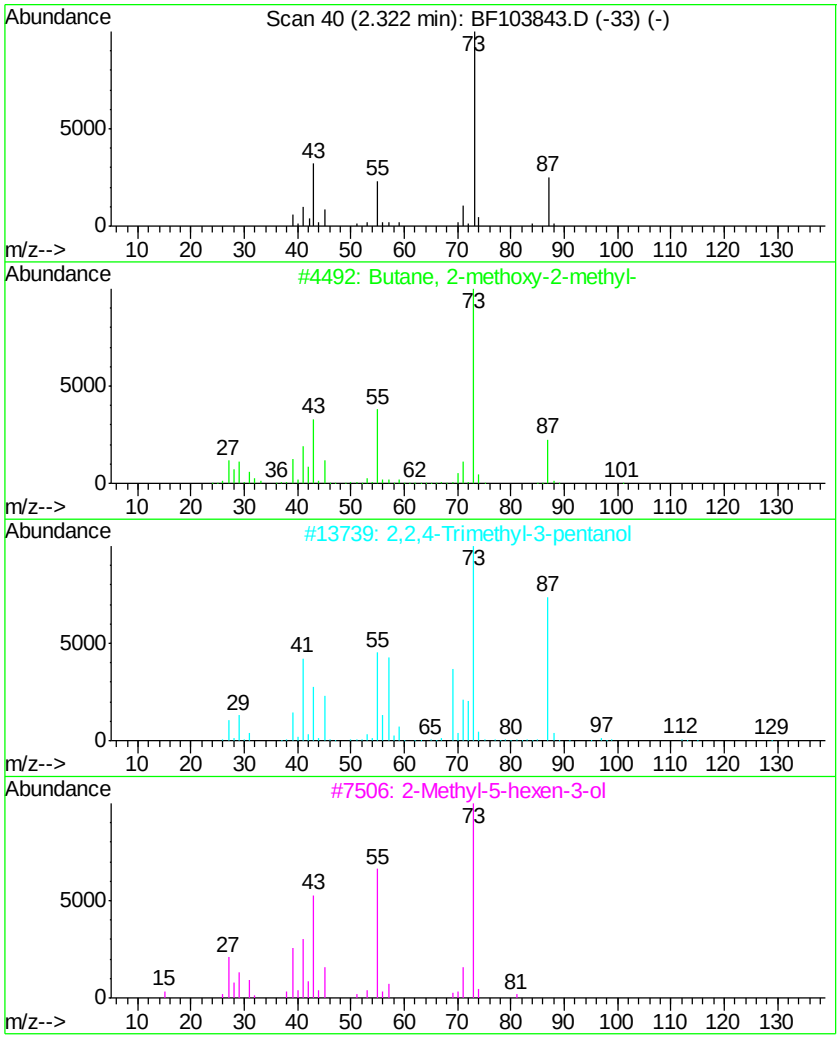
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

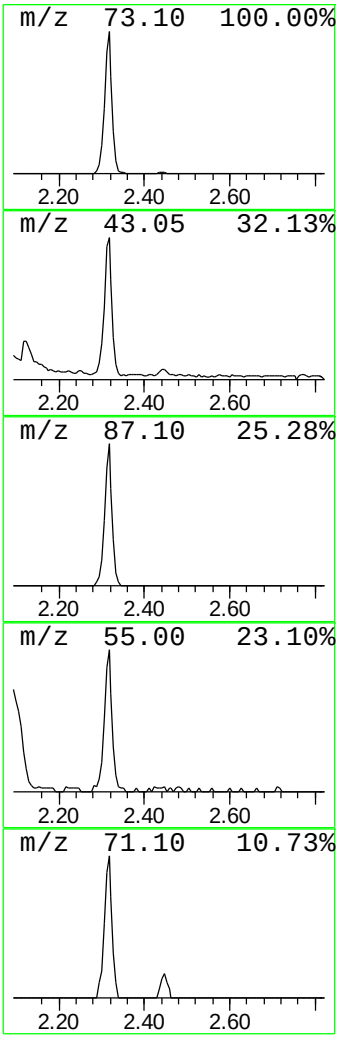
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.32	4.26 ng	172438	1,4-Dichlorobenzene-d4	6.97

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	39
3	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	28
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	17





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103843.D
Acq On : 22 Mar 2018 11:02
Operator : JU/SJ
Sample : J1946-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-104(4-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

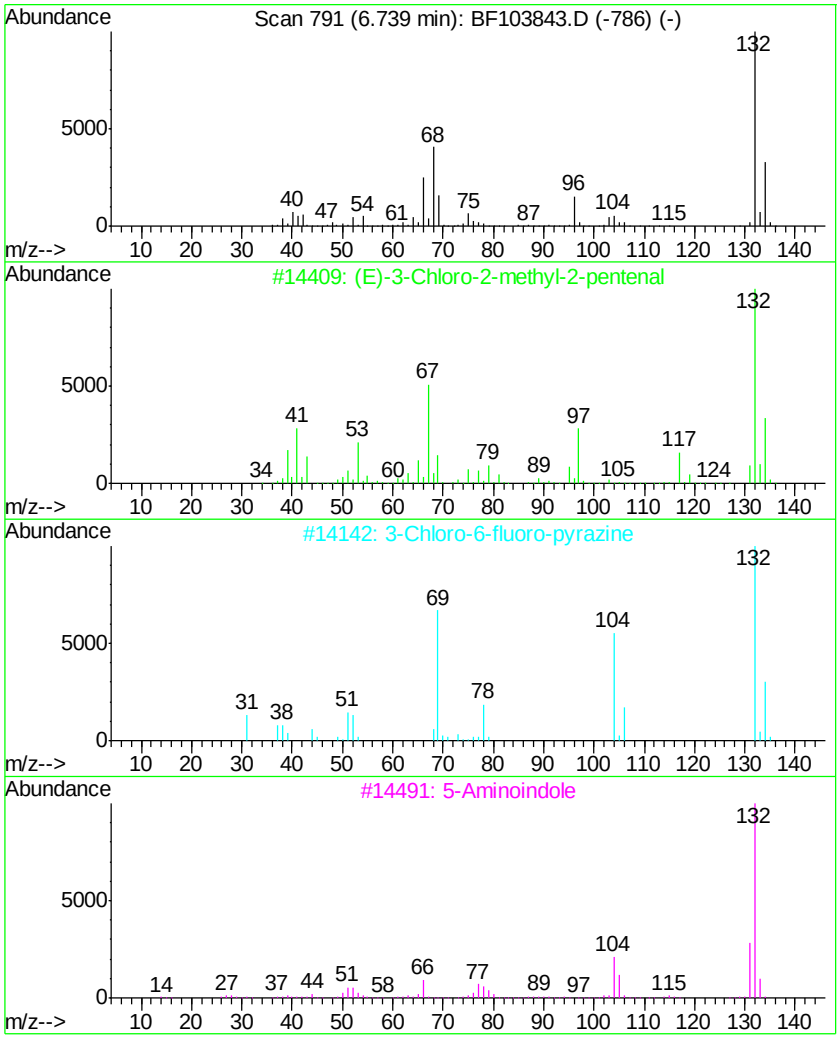
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

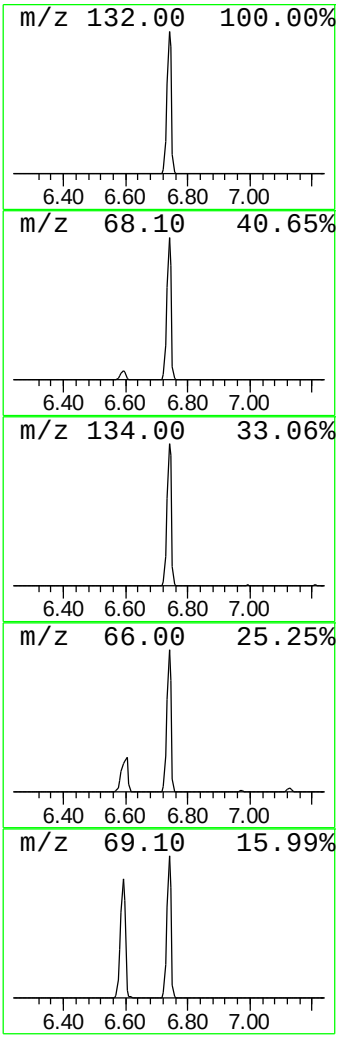
****

Peak Number 2 unknown6.74 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	86.64 ng	3505740	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103843.D
Acq On : 22 Mar 2018 11:02
Operator : JU/SJ
Sample : J1946-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-104(4-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

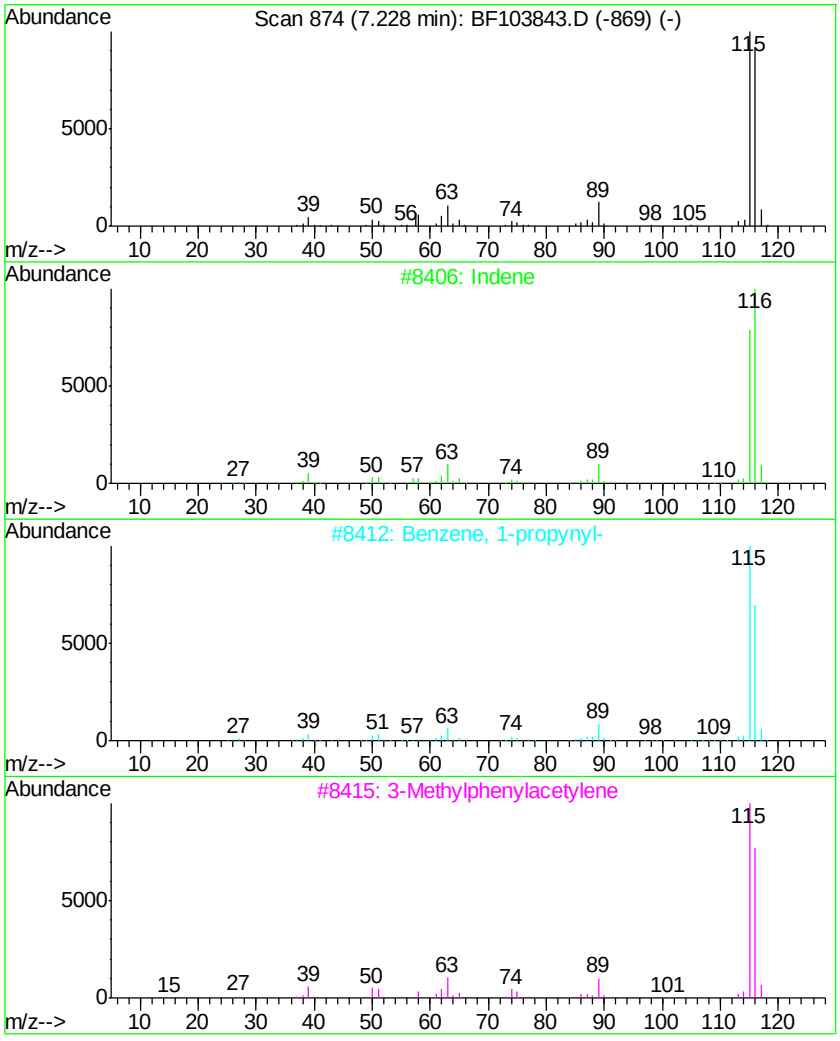
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

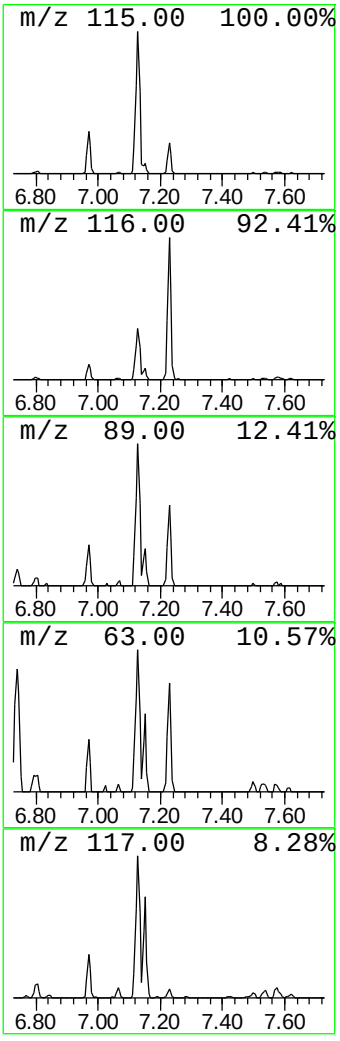
****

Peak Number 4 Indene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.23	4.81 ng	194740	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	94
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103843.D
Acq On : 22 Mar 2018 11:02
Operator : JU/SJ
Sample : J1946-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-104(4-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

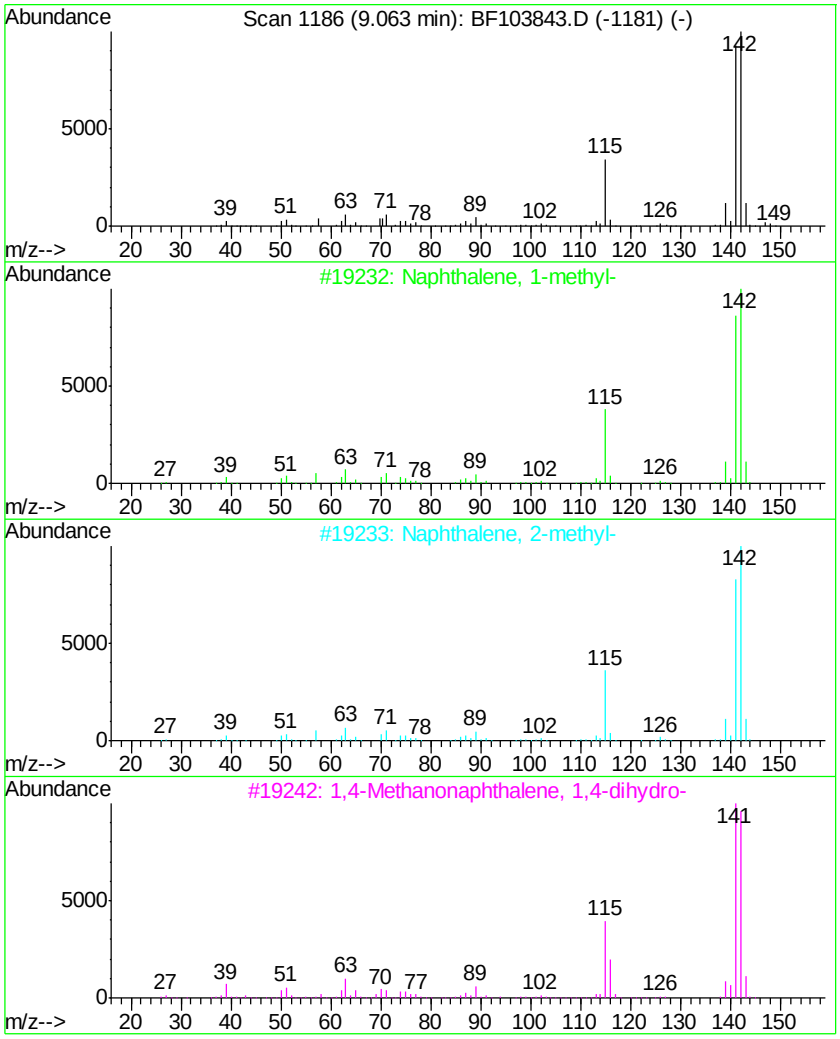
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

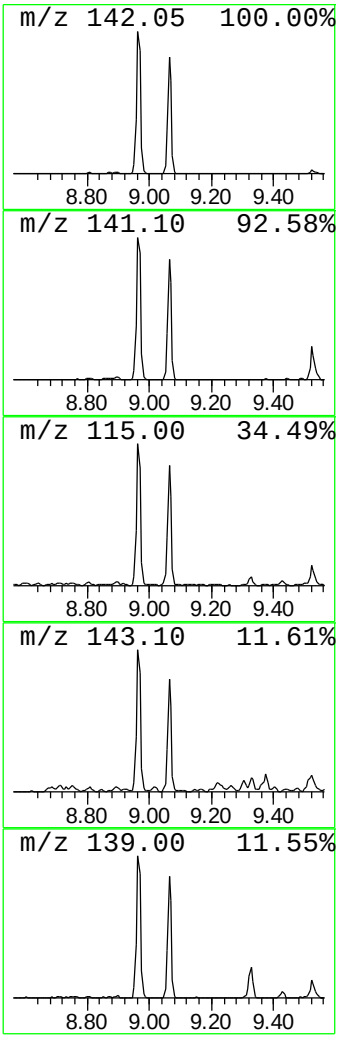
****

Peak Number 5 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.06	16.90 ng	1018270	Naphthalene-d8	8.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	59





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103843.D
Acq On : 22 Mar 2018 11:02
Operator : JU/SJ
Sample : J1946-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-104(4-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

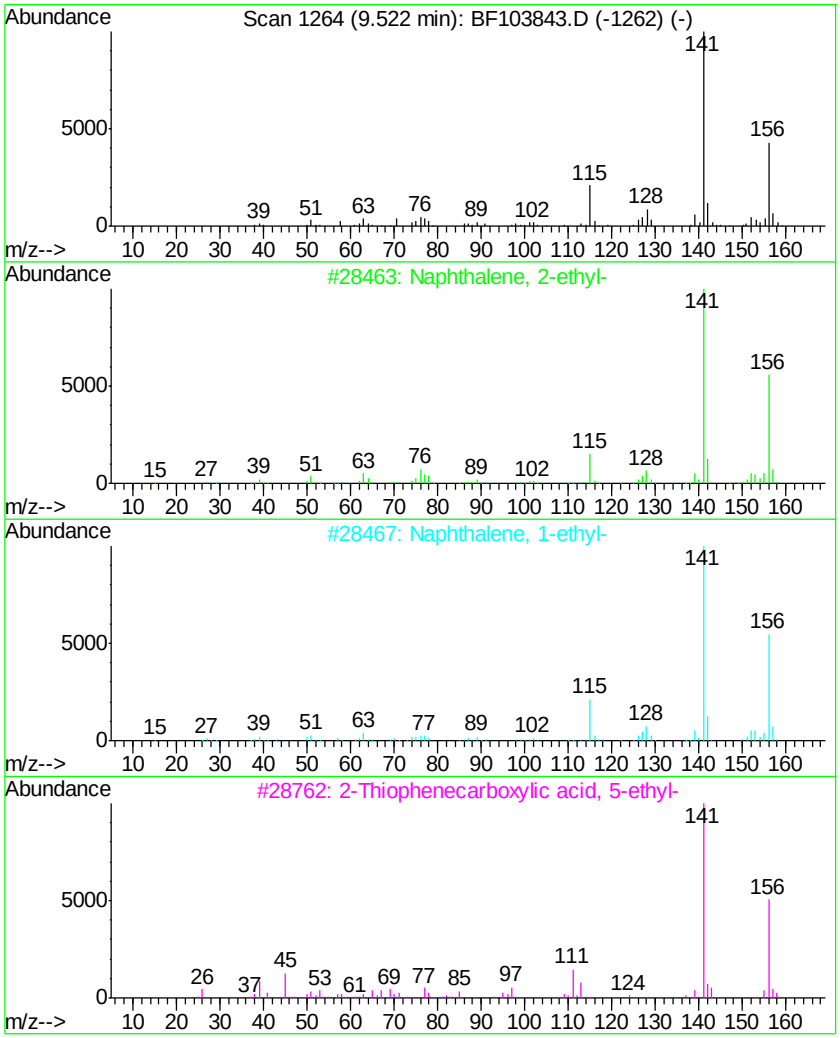
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

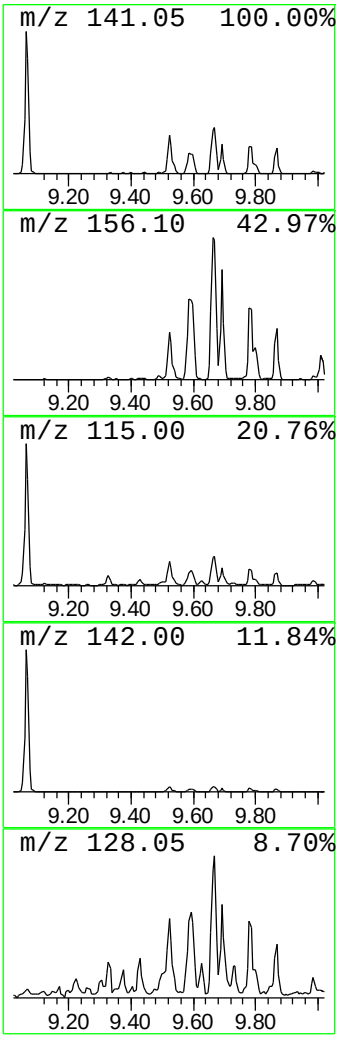
****

Peak Number 6 Naphthalene, 2-ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	4.37 ng	275005	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
3	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	59
4	2',5'-Difluoroacetophenone	156	C8H6F2O	001979-36-8	59
5	3',4'-Difluoroacetophenone	156	C8H6F2O	000369-33-5	59





Library Search Compound Report

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Acq On : 22 Mar 2018 11:02
Operator : JU/SJ
Sample : J1946-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-104(4-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.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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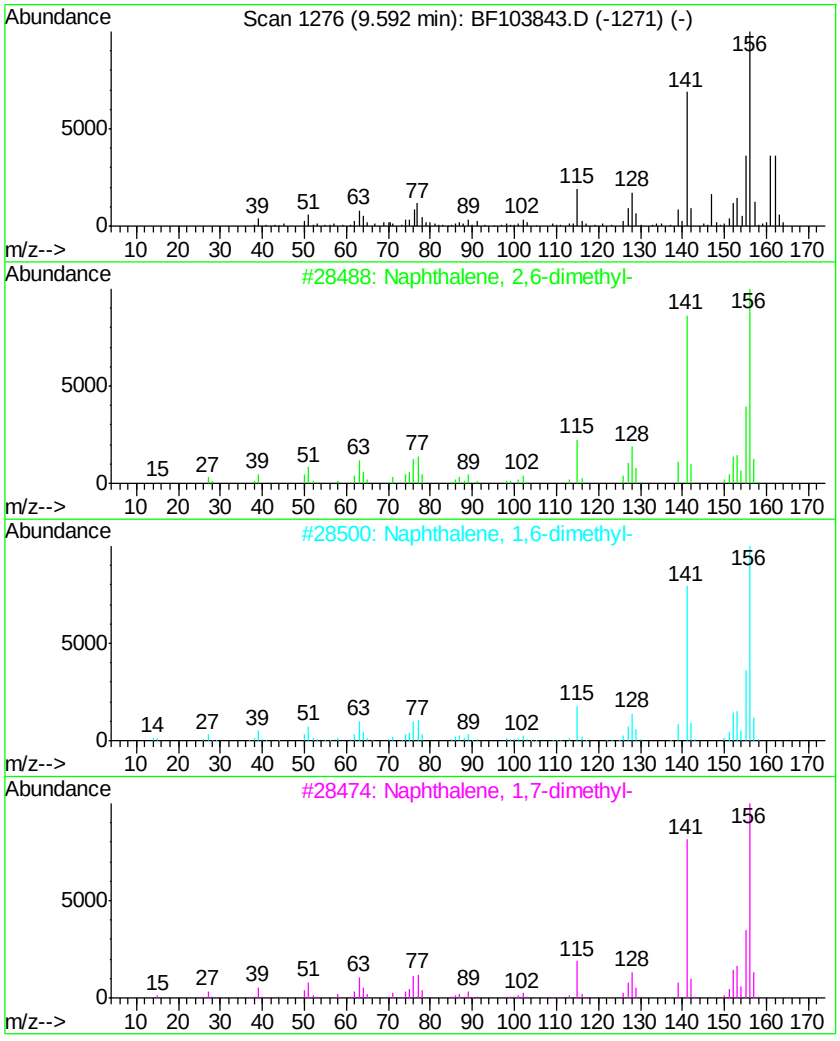
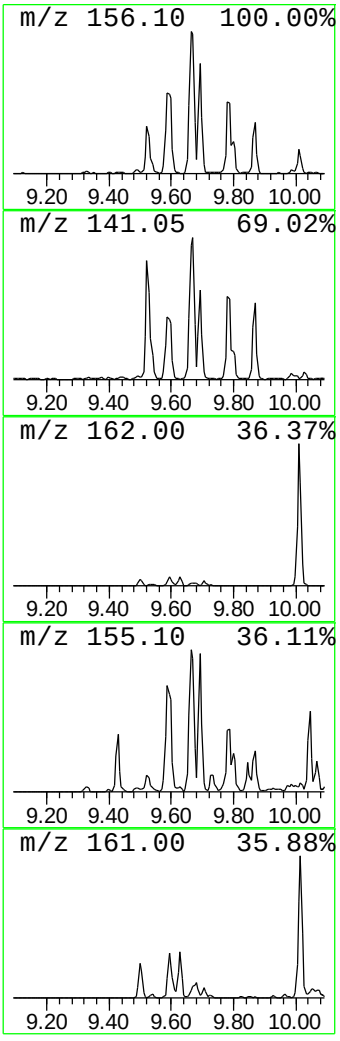
Peak Number 7 Naphthalene, 2,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.59	7.24 ng	455816	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95





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ClientSampleId : MW-104(4-5)

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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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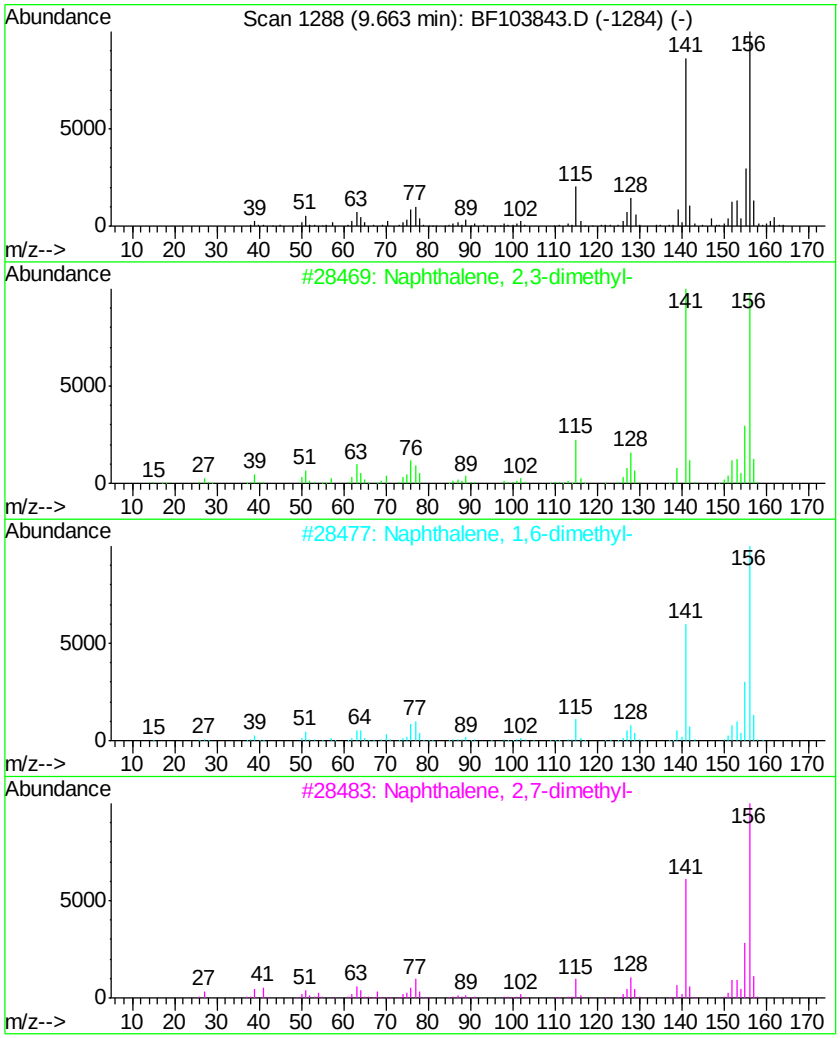
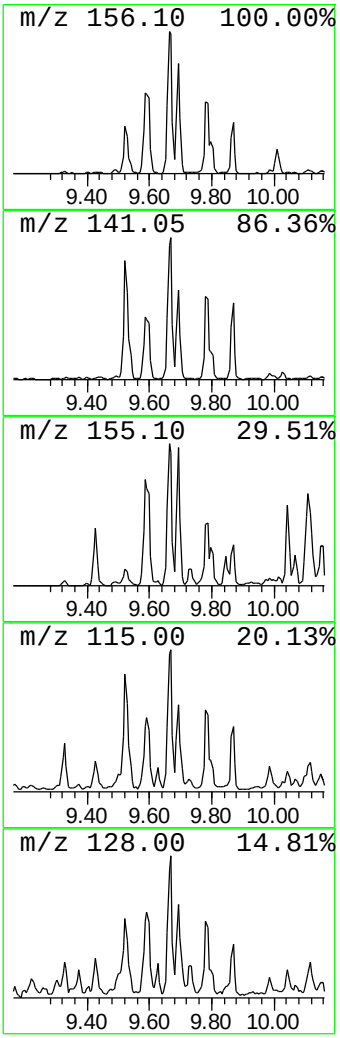
Peak Number 8 Naphthalene, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.66	8.54 ng	537893	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





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Sample : J1946-04
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ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-104(4-5)

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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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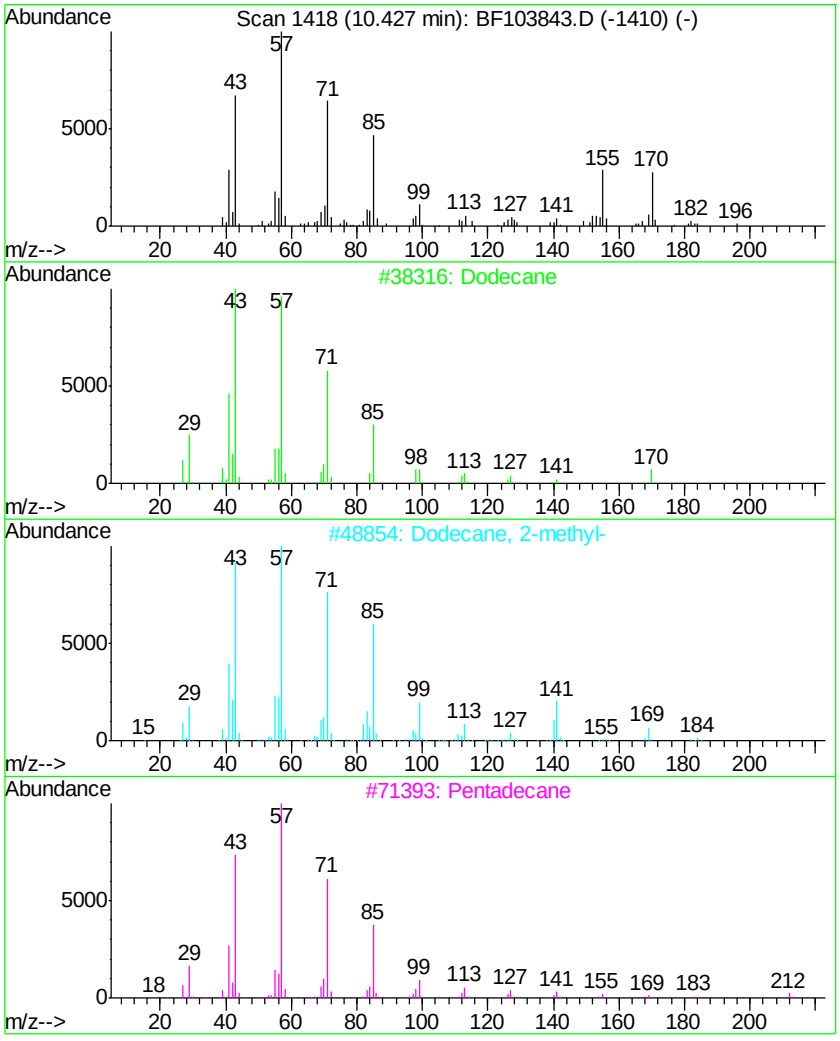
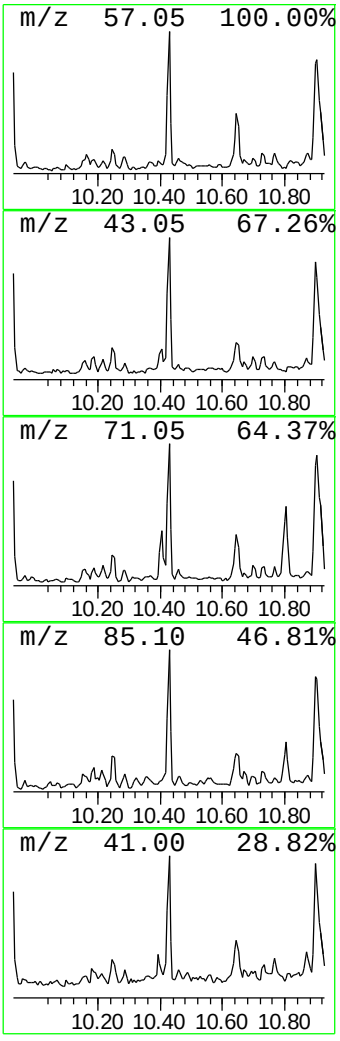
Peak Number 9 Dodecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.43	5.49 ng	345523	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	64
2	Dodecane, 2-methyl-	184	C13H28	001560-97-0	64
3	Pentadecane	212	C15H32	000629-62-9	58
4	Hexadecane	226	C16H34	000544-76-3	58
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	58





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ClientSampleId : MW-104(4-5)

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

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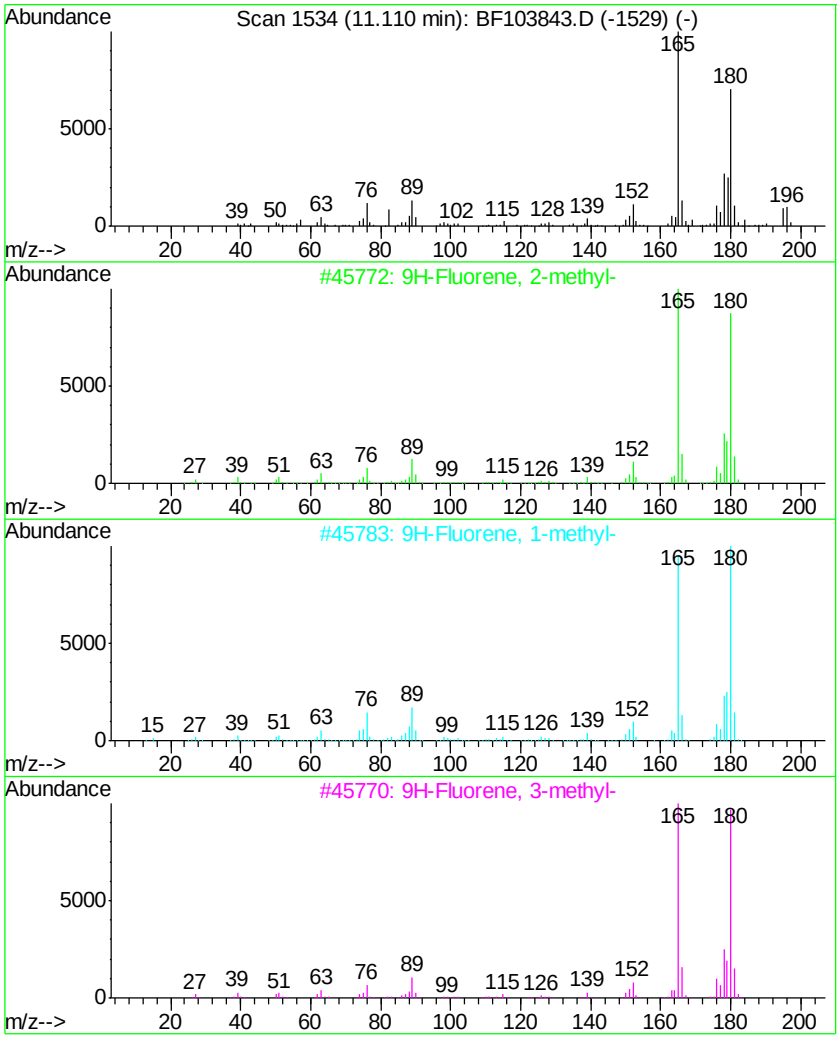
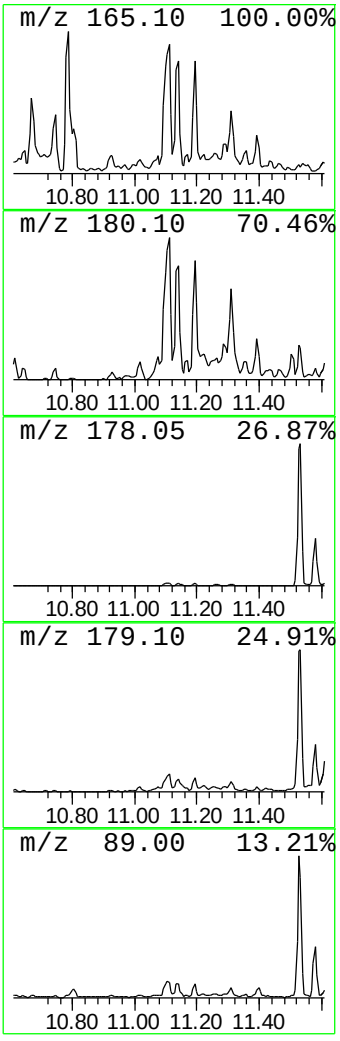
Peak Number 10 9H-Fluorene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	4.15 ng	278635	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	94
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	86
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	83





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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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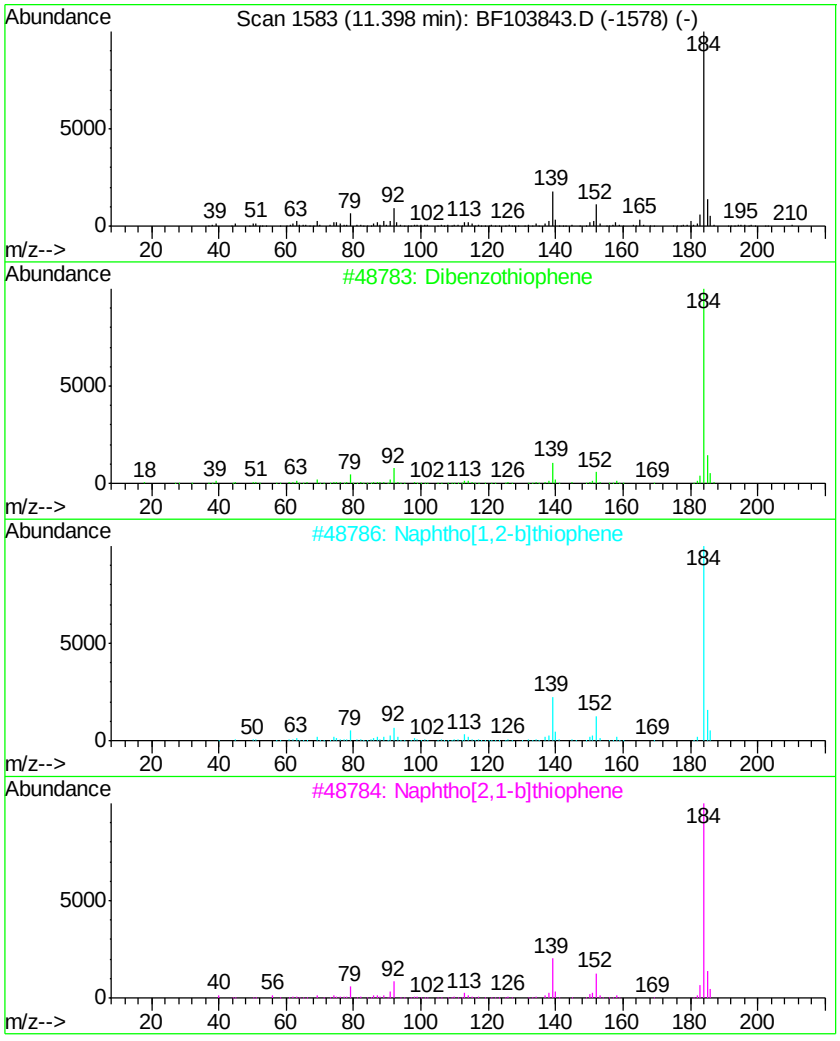
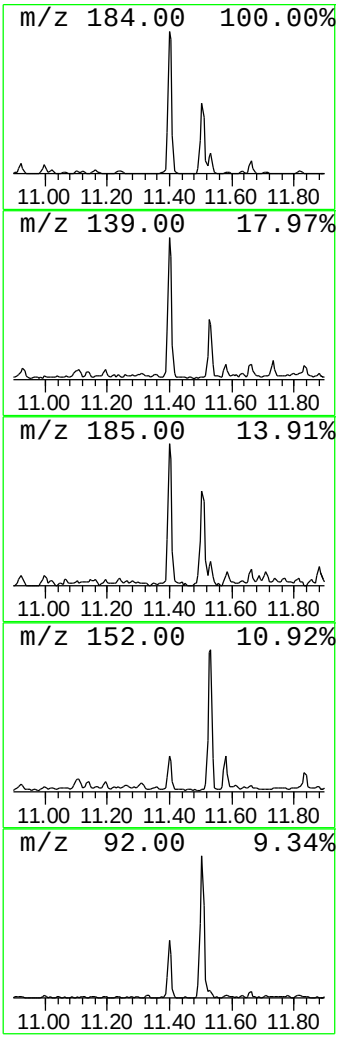
Peak Number 11 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	6.99 ng	469174	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	94
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94





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Sample : J1946-04
Misc :
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Instrument : BNA_F
ClientSampleId : MW-104(4-5)

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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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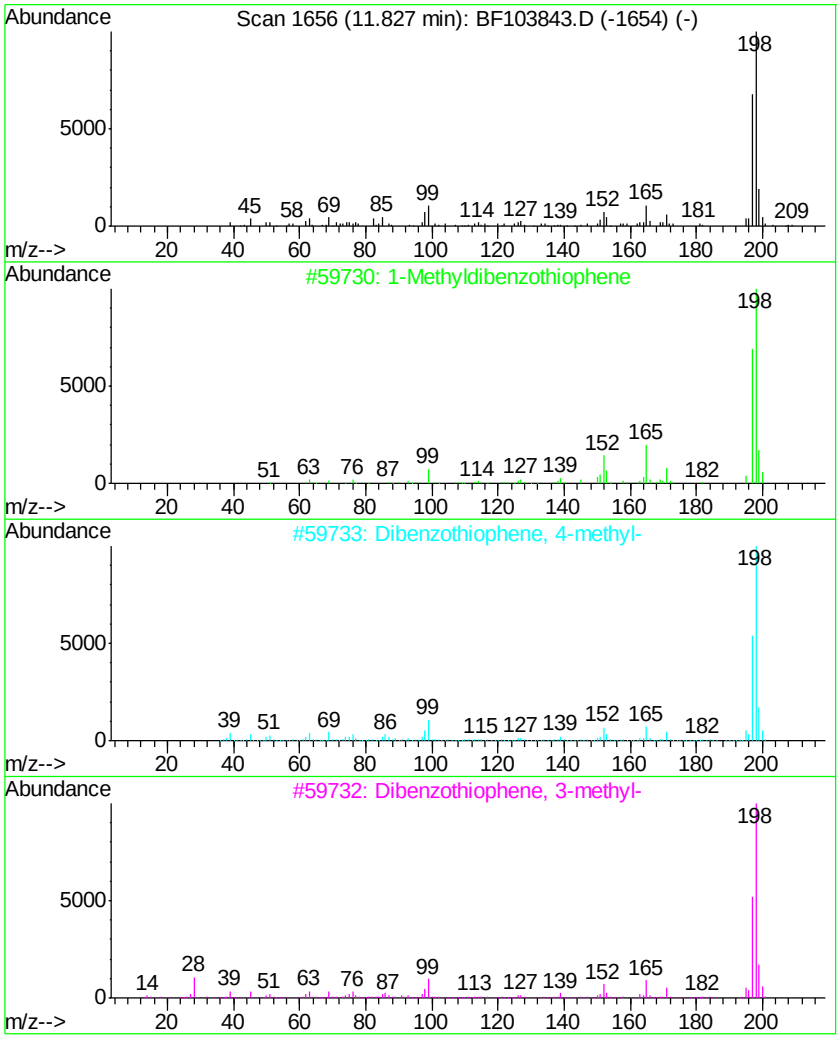
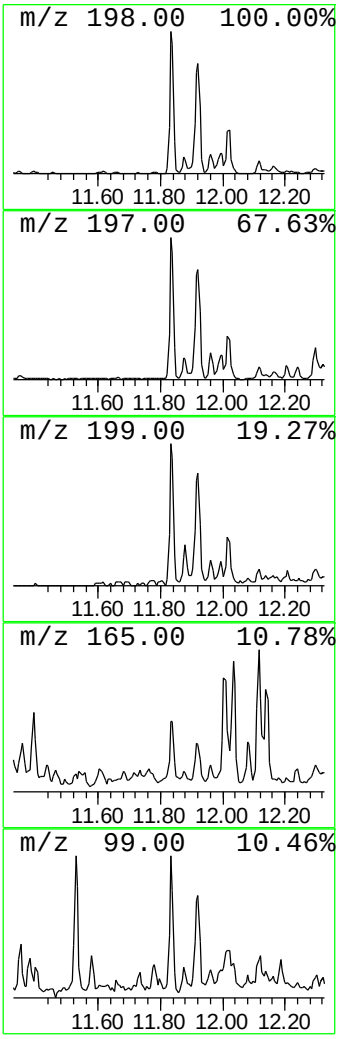
Peak Number 12 1-Methyldibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	4.62 ng	309931	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	97
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	80
5	Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	72





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Misc :
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ClientSampleId : MW-104(4-5)

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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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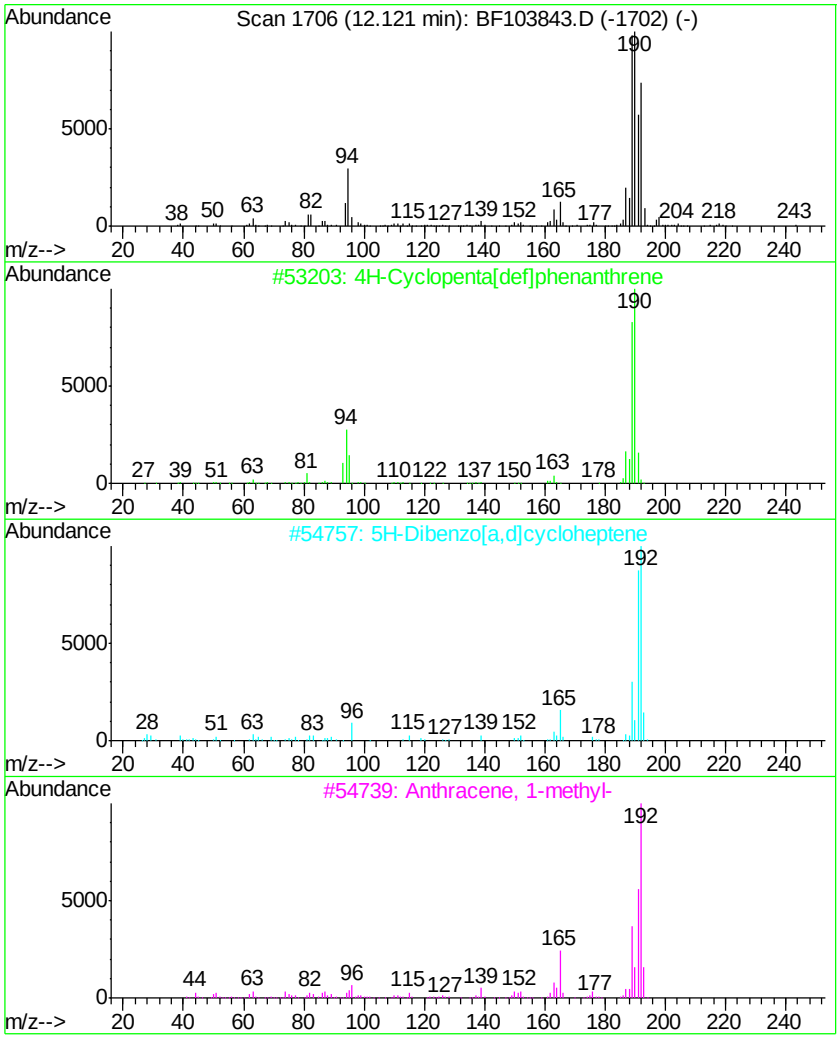
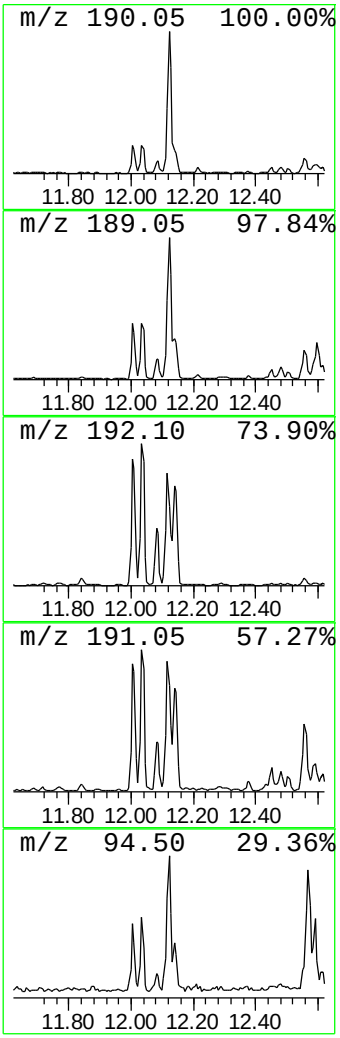
Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	11.07 ng	743162	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	35
4	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	35
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	30





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

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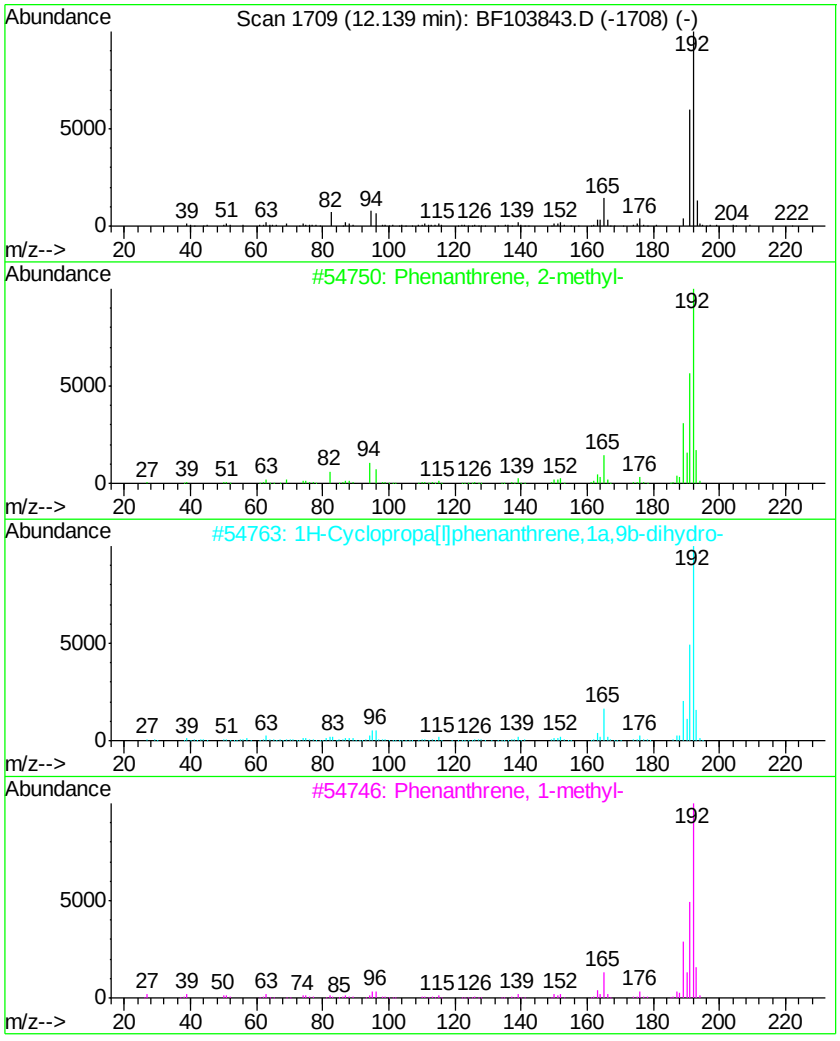
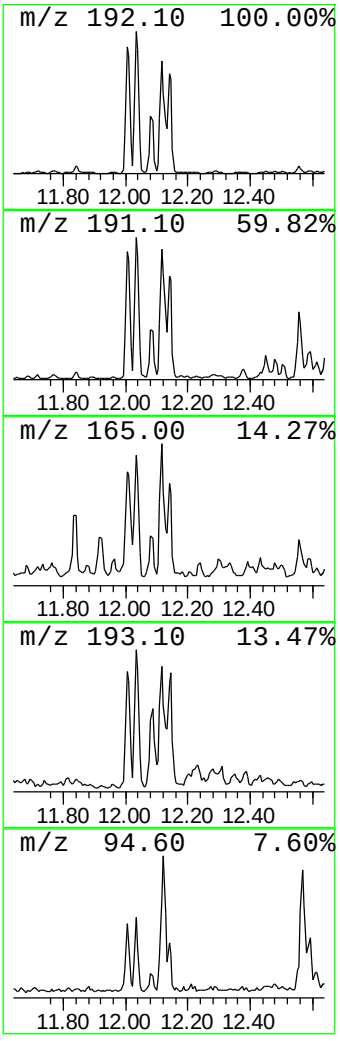
Peak Number 16 Phenanthrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	3.99 ng	267593	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





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

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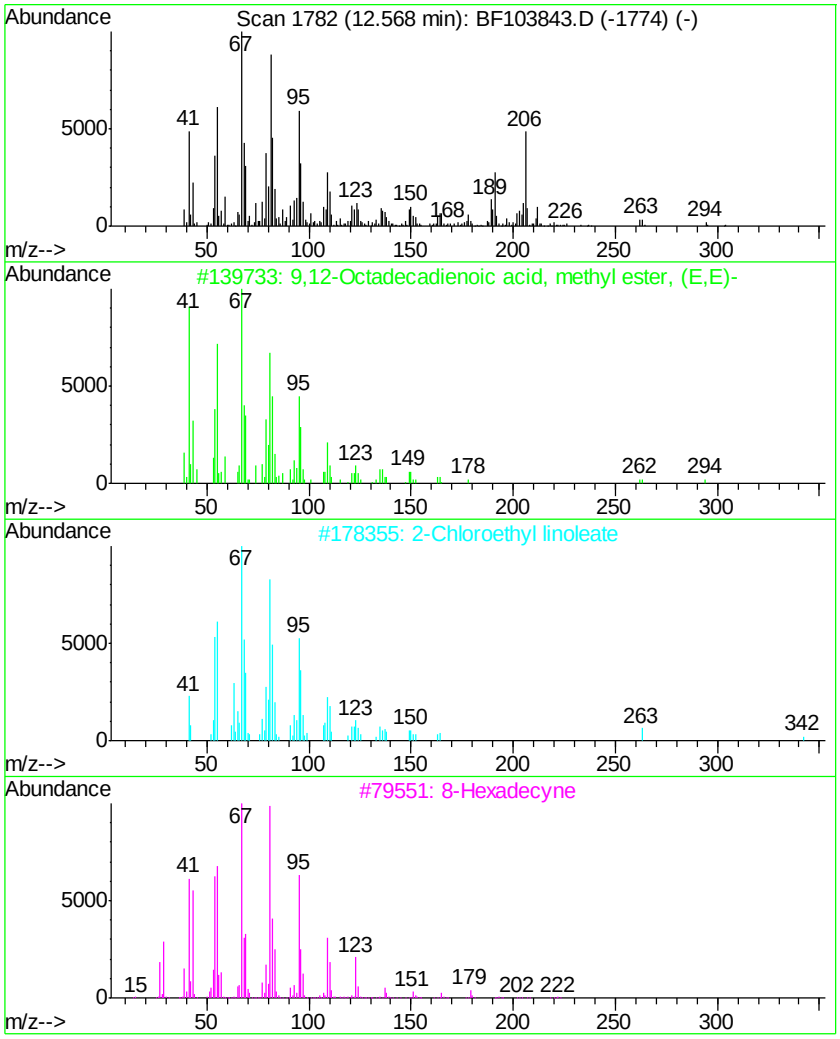
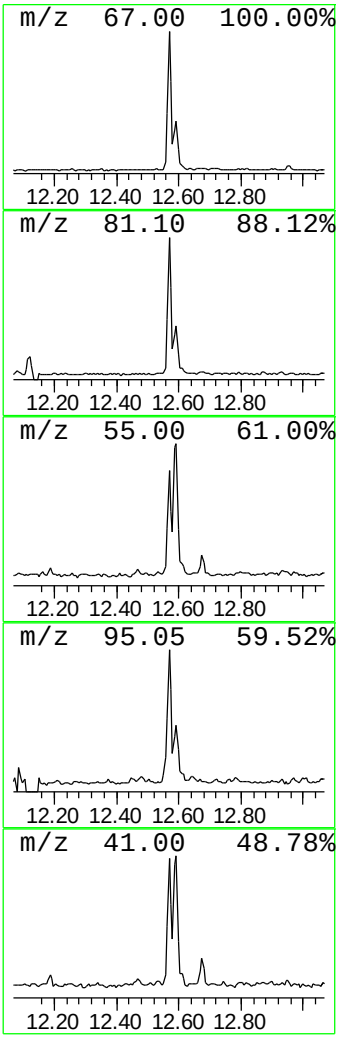
Peak Number 17 9,12-Octadecadienoic acid, ... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	15.37 ng	1031890	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	98
2	2-Chloroethyl linoleate	342	C20H35ClO2	025525-76-2	81
3	8-Hexadecyne	222	C16H30	019781-86-3	76
4	3,4-Octadiene, 7-methyl-	124	C9H16	037050-05-8	70
5	7-Hexadecyne	222	C16H30	074685-28-2	68





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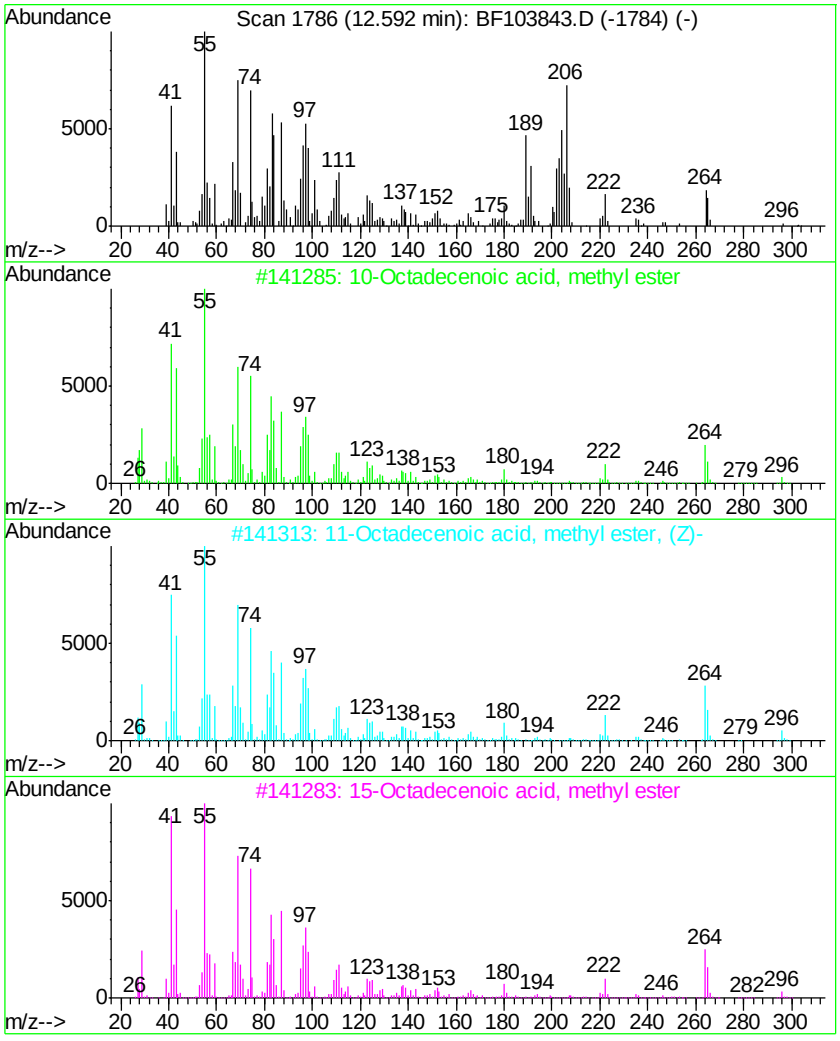
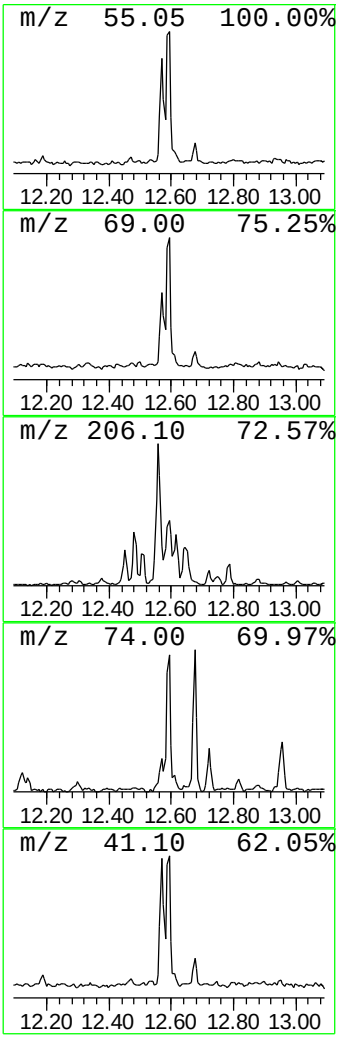
Peak Number 18 10-Octadecenoic acid, methy... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	10.43 ng	700527	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	97
2	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	97
3	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	97
4	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	97
5	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	97





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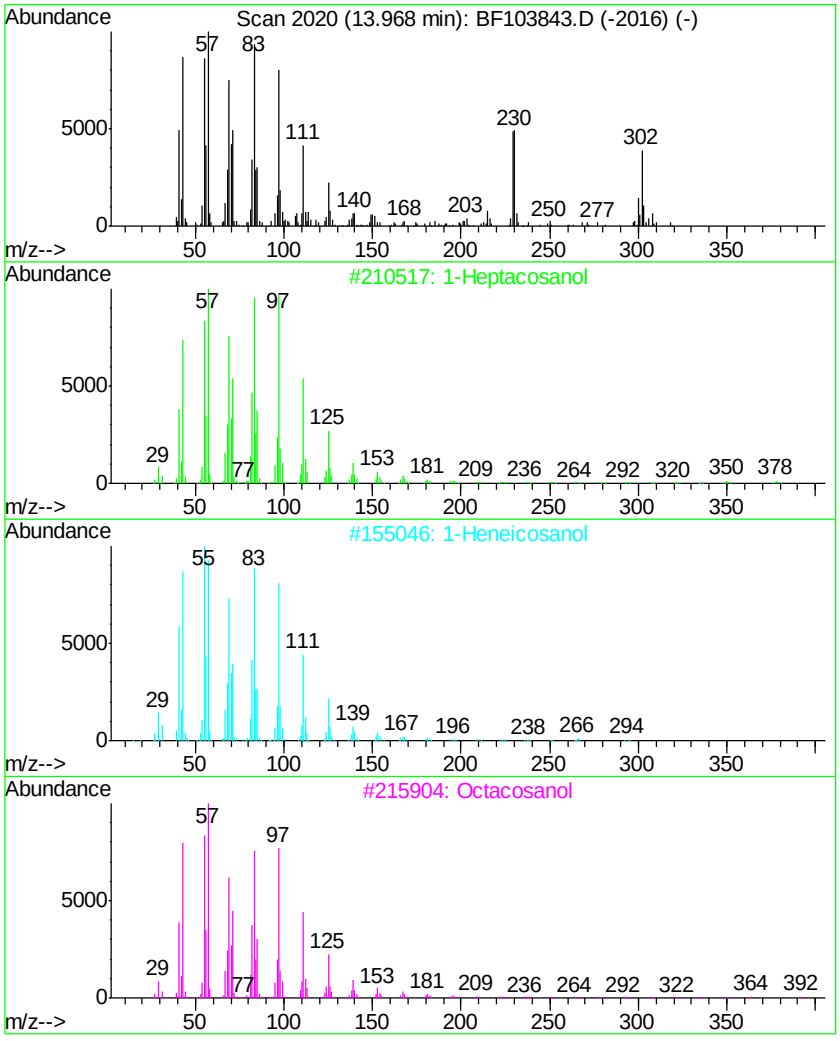
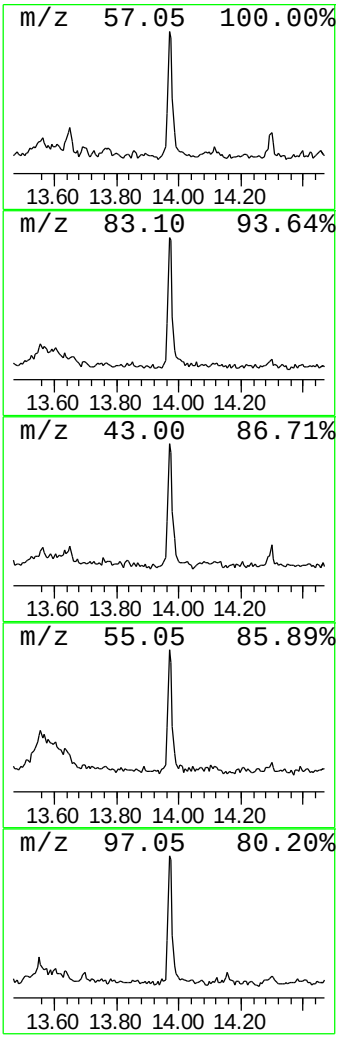
Peak Number 19 1-Heptacosanol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	9.21 ng	861877	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptacosanol	396	C27H56O	002004-39-9	93
2	1-Heneicosanol	312	C21H44O	015594-90-8	93
3	Octacosanol	410	C28H58O	000557-61-9	89
4	n-Tetracosanol-1	354	C24H50O	000506-51-4	70
5	n-Nonadecanol-1	284	C19H40O	001454-84-8	70





Tentatively Identified Compound (LSC) summary

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Instrument : BNA_F
ClientSampleId : MW-104(4-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.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...	2.32	4.3	ng	172438	1	6.97	809280	20.0
unknown6.74	6.74	86.6	ng	3505740	1	6.97	809280	20.0
Indene	7.23	4.8	ng	194740	1	6.97	809280	20.0
Naphthalene, 1-me...	9.06	16.9	ng	1018270	2	8.25	1205280	20.0
Naphthalene, 2-et...	9.52	4.4	ng	275005	3	10.01	1259440	20.0
Naphthalene, 2,6-...	9.59	7.2	ng	455816	3	10.01	1259440	20.0
Naphthalene, 2,3-...	9.66	8.5	ng	537893	3	10.01	1259440	20.0
Dodecane	10.43	5.5	ng	345523	3	10.01	1259440	20.0
9H-Fluorene, 2-me...	11.11	4.2	ng	278635	4	11.50	1342940	20.0
Dibenzothiophene	11.40	7.0	ng	469174	4	11.50	1342940	20.0
1-Methyldibenzoth...	11.83	4.6	ng	309931	4	11.50	1342940	20.0
4H-Cyclopenta[def...	12.12	11.1	ng	743162	4	11.50	1342940	20.0
Phenanthrene, 2-m...	12.14	4.0	ng	267593	4	11.50	1342940	20.0
9,12-Octadecadien...	12.57	15.4	ng	1031890	4	11.50	1342940	20.0
10-Octadecenoic a...	12.59	10.4	ng	700527	4	11.50	1342940	20.0
1-Heptacosanol	13.97	9.2	ng	861877	5	14.16	1872160	20.0