LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
Data File : BF110171.D
Acq On : 25 Oct 2018 20:12
Operator : JU/SJ
Sample : J5625-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-01

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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	34	39	53	rVB	360758	506030	18.24%	1.412%
2	3.587	252	255	270	rBV	30328	79631	2.87%	0.222%
3	5.204	526	530	536	rBV	110463	123583	4.46%	0.345%
4	5.587	589	595	598	rBV	2509329	2441785	88.04%	6.815%
5	5.816	631	634	639	rBV2	48439	62727	2.26%	0.175%
6	6.587	759	765	771	rBV2	2449883	2773558	100.00%	7.740%
7	6.734	785	790	793	rBV	2895157	2570542	92.68%	7.174%
8	6.792	796	800	804	rBV2	84761	101287	3.65%	0.283%
9	6.963	825	829	833	rBV	1015772	828880	29.89%	2.313%
10	7.122	852	856	859	rBV	2357583	1986224	71.61%	5.543%
11	7.228	868	874	877	rBV3	33285	41707	1.50%	0.116%
12	7.528	920	925	928	rBV	1721669	1632258	58.85%	4.555%
13	7.822	972	975	978	rBV	48597	47400	1.71%	0.132%
14	8.045	1008	1013	1021	rVB5	27573	47147	1.70%	0.132%
15	8.245	1043	1047	1050	rBV	1170922	1094591	39.47%	3.055%
16	8.269	1050	1051	1054	rVB	141138	71522	2.58%	0.200%
17	8.522	1090	1094	1097	rBV	59204	65023	2.34%	0.181%
18	8.822	1138	1145	1151	rBV	55440	61370	2.21%	0.171%
19	8.957	1165	1168	1172	rVB2	131460	126049	4.54%	0.352%
20	9.063	1181	1186	1189	rBV	93509	92746	3.34%	0.259%
21	9.322	1223	1230	1233	rBV	3261170	2768883	99.83%	7.727%
22	9.392	1238	1242	1244	rVV	60368	55416	2.00%	0.155%
23	9.586	1271	1275	1279	rVB	51267	66263	2.39%	0.185%
24	9.657	1284	1287	1290	rBV	116870	116532	4.20%	0.325%
25	9.686	1290	1292	1294	rVV	44894	45725	1.65%	0.128%
26	9.710	1294	1296	1304	rVB	505523	465401	16.78%	1.299%
27	9.869	1317	1323	1326	rBV	107097	107965	3.89%	0.301%
28	9.922	1328	1332	1334	rVB	68693	66019	2.38%	0.184%
29	10.010	1338	1347	1350	rVV	1319306	1295544	46.71%	3.616%
30	10.039	1350	1352	1355	rVB	84582	65283	2.35%	0.182%
31	10.210	1377	1381	1384	rVV2	86852	94599	3.41%	0.264%
32	10.245	1384	1387	1390	rVB	49316	42016	1.51%	0.117%
33	10.322	1396	1400	1402	rBV2	39631	46200	1.67%	0.129%
34	10.351	1402	1405	1410	rVV3	34813	44872	1.62%	0.125%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
Data File : BF110171.D
Acq On : 25 Oct 2018 20:12
Operator : JU/SJ
Sample : J5625-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-01

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.422	1410	1417	1421	rVV3	86648	137109	4.94%	0.383%
36	10.551	1436	1439	1446	rVB3	59853	92261	3.33%	0.257%
37	10.639	1449	1454	1457	rVV3	42455	57805	2.08%	0.161%
38	10.710	1461	1466	1470	rVB4	44374	56888	2.05%	0.159%
39	10.798	1477	1481	1488	rBV	1830402	1625313	58.60%	4.536%
40	10.910	1495	1500	1507	rVB6	108833	202205	7.29%	0.564%
41	11.104	1527	1533	1535	rBV4	29642	53955	1.95%	0.151%
42	11.227	1550	1554	1557	rBV5	37305	60443	2.18%	0.169%
43	11.304	1564	1567	1570	rVB	66278	60554	2.18%	0.169%
44	11.345	1570	1574	1577	rVV	105980	100899	3.64%	0.282%
45	11.398	1581	1583	1586	rVB	45752	40639	1.47%	0.113%
46	11.498	1596	1600	1602	rBV	1315823	1123361	40.50%	3.135%
47	11.521	1602	1604	1608	rVV	578295	458252	16.52%	1.279%
48	11.574	1610	1613	1615	rVV	151930	109983	3.97%	0.307%
49	11.727	1636	1639	1644	rBV2	57927	64713	2.33%	0.181%
50	11.769	1644	1646	1649	rBV	74822	62436	2.25%	0.174%
51	11.827	1654	1656	1660	rVB	43083	41181	1.48%	0.115%
52	12.004	1682	1686	1688	rBV2	216360	226146	8.15%	0.631%
53	12.027	1688	1690	1694	rVV	195897	168339	6.07%	0.470%
54	12.074	1695	1698	1701	rVV	60938	60121	2.17%	0.168%
55	12.110	1701	1704	1707	rVV2	177768	204997	7.39%	0.572%
56	12.133	1707	1708	1711	rVB	108698	71342	2.57%	0.199%
57	12.180	1712	1716	1719	rBV2	97551	94966	3.42%	0.265%
58	12.292	1732	1735	1738	rBV	80457	77828	2.81%	0.217%
59	12.321	1738	1740	1746	rVB2	70122	75311	2.72%	0.210%
60	12.551	1775	1779	1781	rBV	133057	144781	5.22%	0.404%
61	12.639	1791	1794	1798	rBV2	83764	106074	3.82%	0.296%
62	12.716	1803	1807	1810	rVV	754107	621297	22.40%	1.734%
63	12.810	1821	1823	1825	rVB	60910	46083	1.66%	0.129%
64	12.945	1840	1846	1852	rBV	784090	821183	29.61%	2.292%
65	12.998	1852	1855	1858	rVB2	66919	74231	2.68%	0.207%
66	13.080	1865	1869	1873	rBV	1940284	1838120	66.27%	5.130%
67	13.163	1879	1883	1890	rBV5	101225	160729	5.80%	0.449%
68	13.251	1894	1898	1899	rBV3	81103	105838	3.82%	0.295%
69	13.268	1899	1901	1904	rVB	94163	96650	3.48%	0.270%
70	13.339	1910	1913	1915	rBV	67274	48980	1.77%	0.137%
71	13.380	1916	1920	1922	rVB2	104227	109518	3.95%	0.306%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
Data File : BF110171.D
Acq On : 25 Oct 2018 20:12
Operator : JU/SJ
Sample : J5625-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-01

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.468	1932	1935	1938	rBV	85972	85749	3.09%	0.239%
73	13.504	1938	1941	1944	rVV	69323	70711	2.55%	0.197%
74	13.551	1946	1949	1952	rBV	136182	108955	3.93%	0.304%
75	13.780	1985	1988	1992	rVB	84794	95754	3.45%	0.267%
76	13.892	2003	2007	2010	rBV3	69146	94933	3.42%	0.265%
77	13.945	2014	2016	2017	rBV2	51718	40704	1.47%	0.114%
78	13.963	2017	2019	2022	rBV3	133799	128930	4.65%	0.360%
79	14.104	2040	2043	2046	rBV	174406	158483	5.71%	0.442%
80	14.145	2046	2050	2053	rVV2	968214	1198582	43.21%	3.345%
81	14.168	2053	2054	2059	rVB	341709	269433	9.71%	0.752%
82	14.286	2071	2074	2081	rVB5	85214	99617	3.59%	0.278%
83	14.527	2113	2115	2119	rVB	99168	99202	3.58%	0.277%
84	14.562	2119	2121	2123	rVV2	65178	59556	2.15%	0.166%
85	14.592	2123	2126	2131	rVV3	113711	148453	5.35%	0.414%
86	14.657	2134	2137	2139	rBV2	53276	57078	2.06%	0.159%
87	14.680	2139	2141	2144	rVB3	44032	39982	1.44%	0.112%
88	14.910	2177	2180	2183	rVB	133970	129553	4.67%	0.362%
89	15.215	2228	2232	2235	rBV	306911	443765	16.00%	1.238%
90	15.268	2238	2241	2248	rVB	203601	252436	9.10%	0.705%
91	15.327	2248	2251	2254	rBV	56084	64853	2.34%	0.181%
92	15.539	2283	2287	2293	rVB	225085	294555	10.62%	0.822%
93	15.604	2294	2298	2303	rBV	244758	298472	10.76%	0.833%
94	15.668	2304	2309	2314	rBV	707239	1003496	36.18%	2.801%
95	16.127	2382	2387	2392	rBV	183898	297345	10.72%	0.830%
96	16.668	2473	2479	2485	rVB	105577	200131	7.22%	0.559%
97	17.227	2568	2574	2580	rBV2	99511	201003	7.25%	0.561%
98	17.292	2583	2585	2597	rVB4	56497	127797	4.61%	0.357%
99	17.698	2649	2654	2668	rVB2	76184	176367	6.36%	0.492%
100	18.933	2859	2864	2870	rBV9	20423	50721	1.83%	0.142%

Sum of corrected areas: 35831925

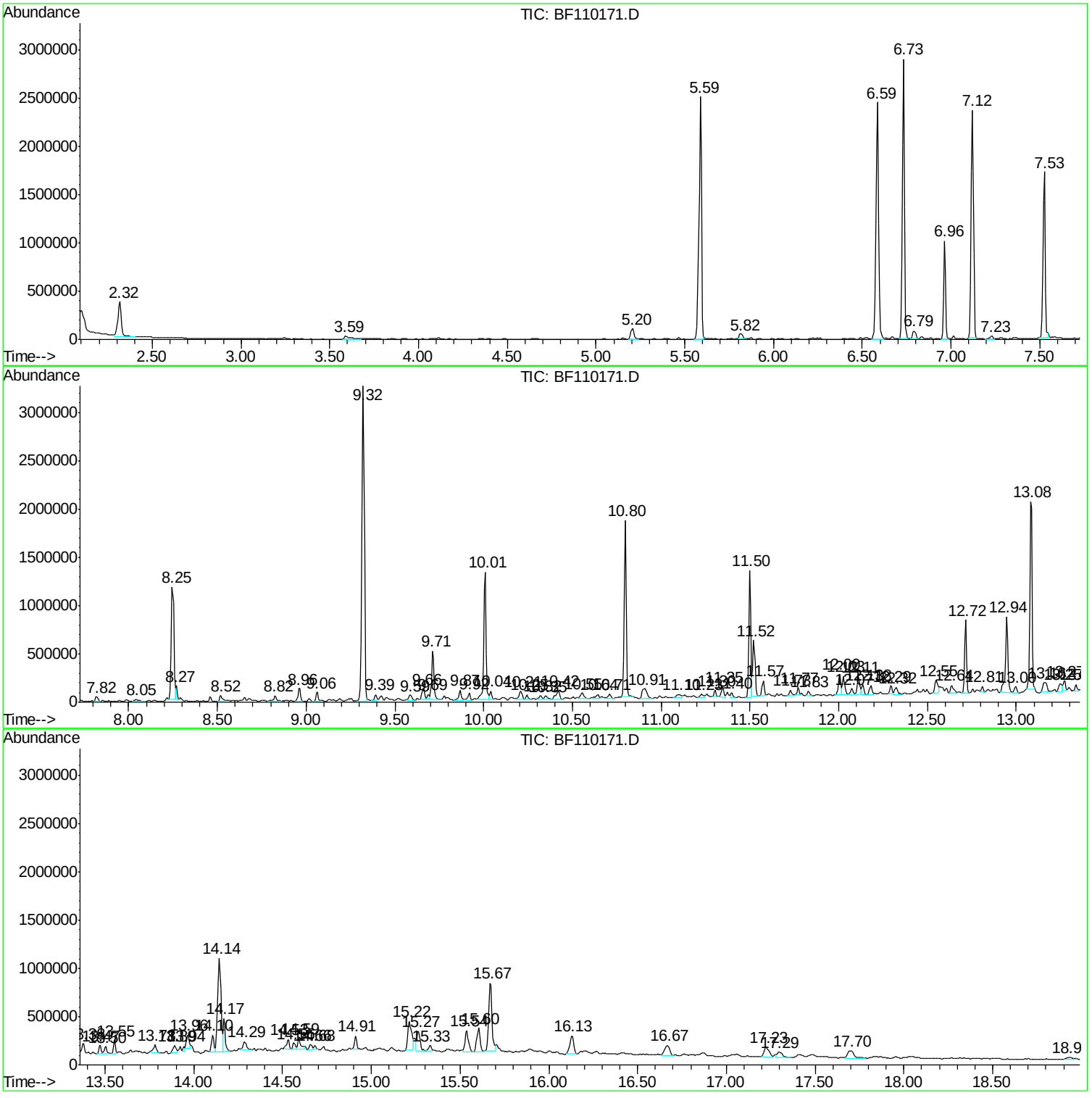
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
Data File : BF110171.D
Acq On : 25 Oct 2018 20:12
Operator : JU/SJ
Sample : J5625-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
Data File : BF110171.D
Acq On : 25 Oct 2018 20:12
Operator : JU/SJ
Sample : J5625-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

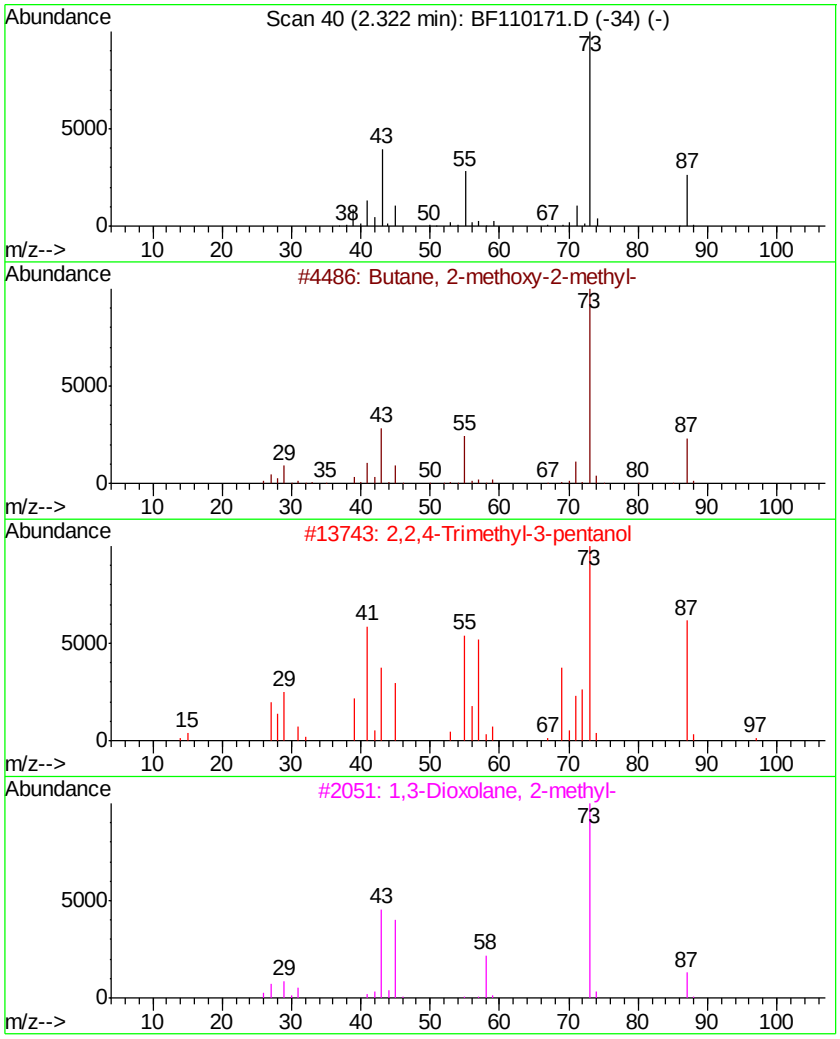
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

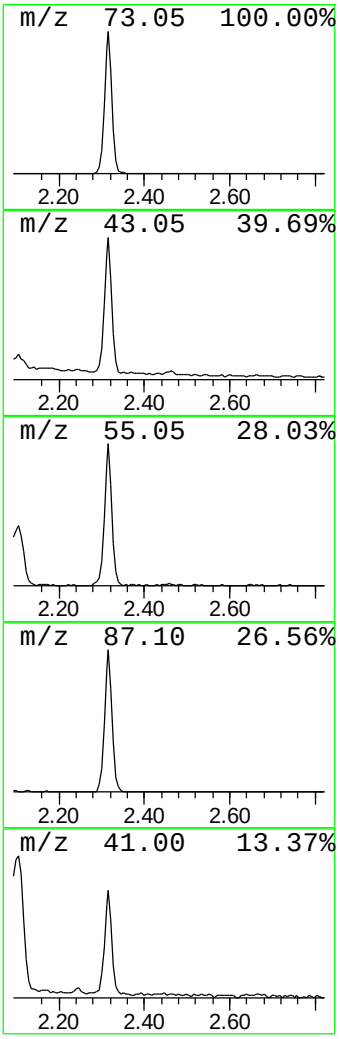
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.32	12.21 ng	506030	1,4-Dichlorobenzene-d4	6.96

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	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
Data File : BF110171.D
Acq On : 25 Oct 2018 20:12
Operator : JU/SJ
Sample : J5625-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

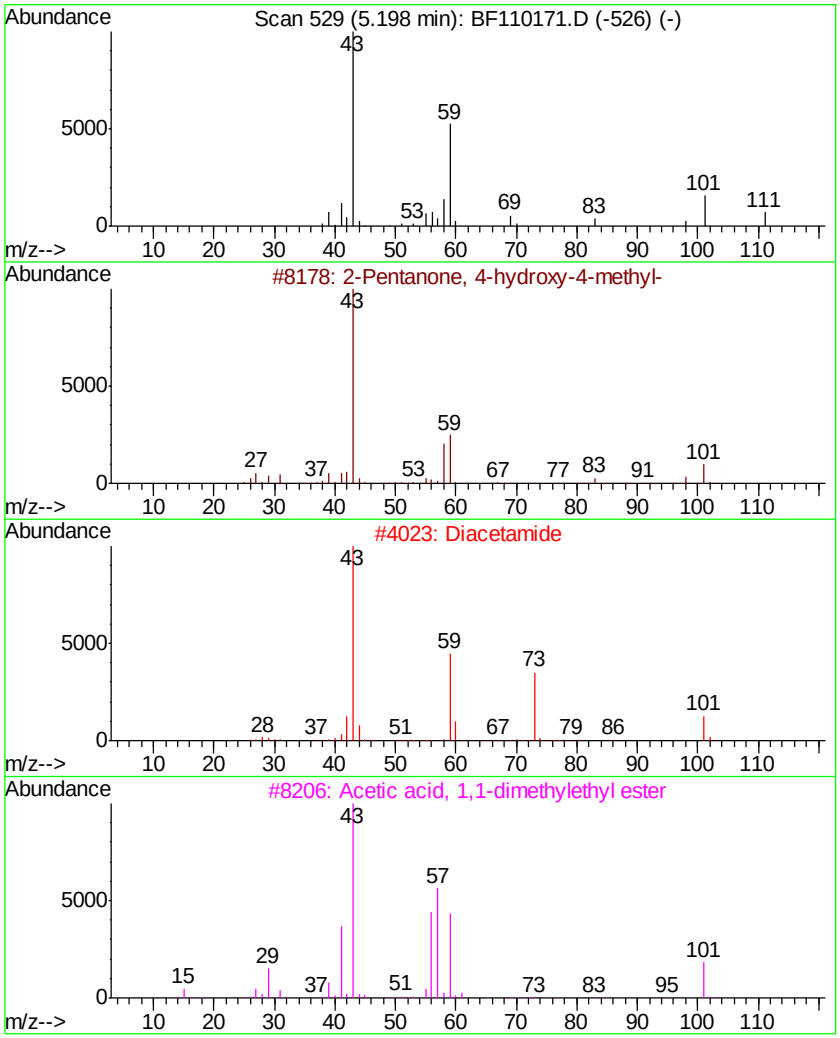
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

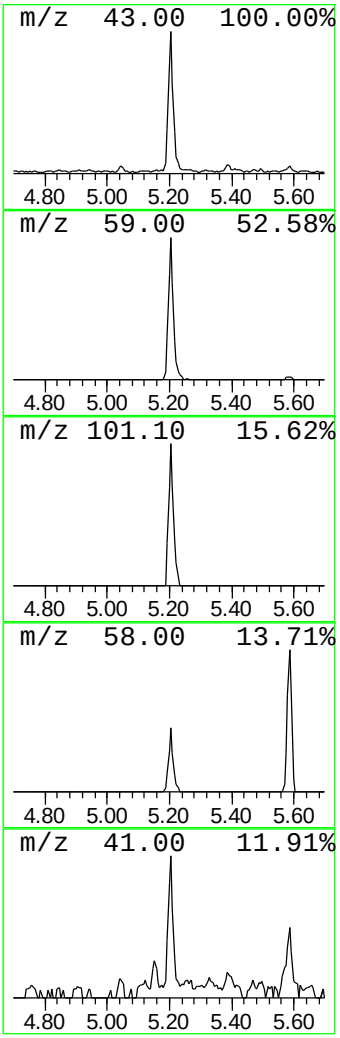
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	2.98 ng	123583	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
2	Diacetamide	101	C4H7NO2	000625-77-4	40
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	36
4	3-Heptanol, 6-methyl-	130	C8H18O	018720-66-6	28
5	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
Data File : BF110171.D
Acq On : 25 Oct 2018 20:12
Operator : JU/SJ
Sample : J5625-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

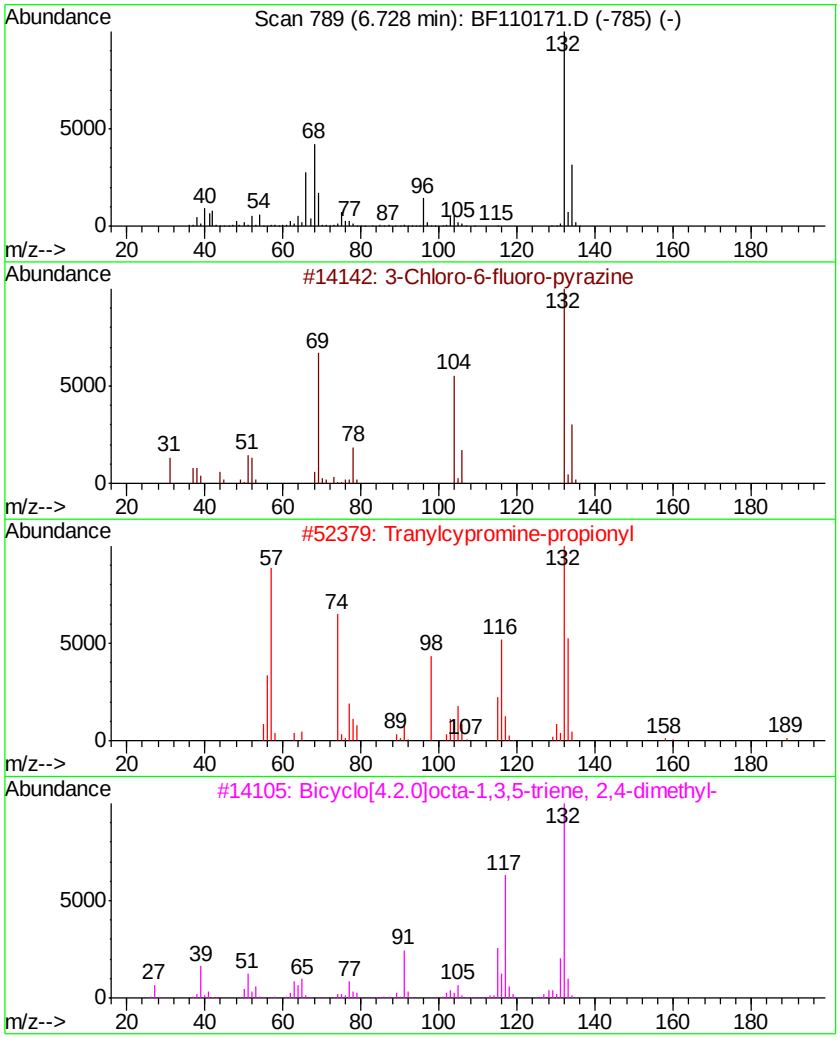
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

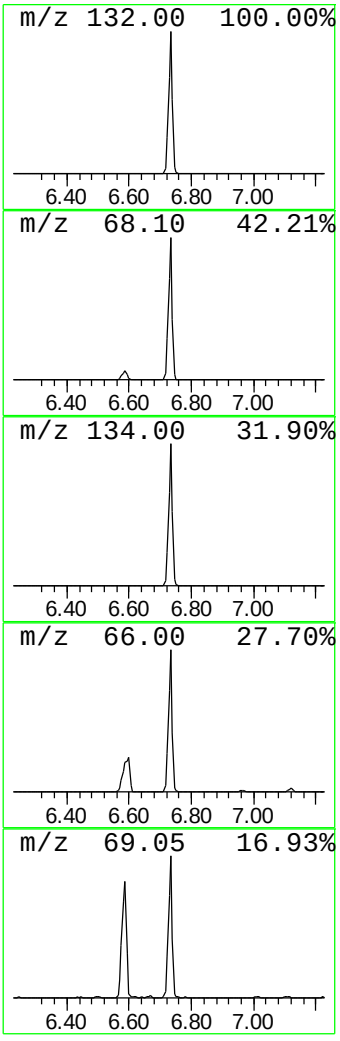
****

Peak Number 3 unknown6.73 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	62.02 ng	2570540	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
Data File : BF110171.D
Acq On : 25 Oct 2018 20:12
Operator : JU/SJ
Sample : J5625-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

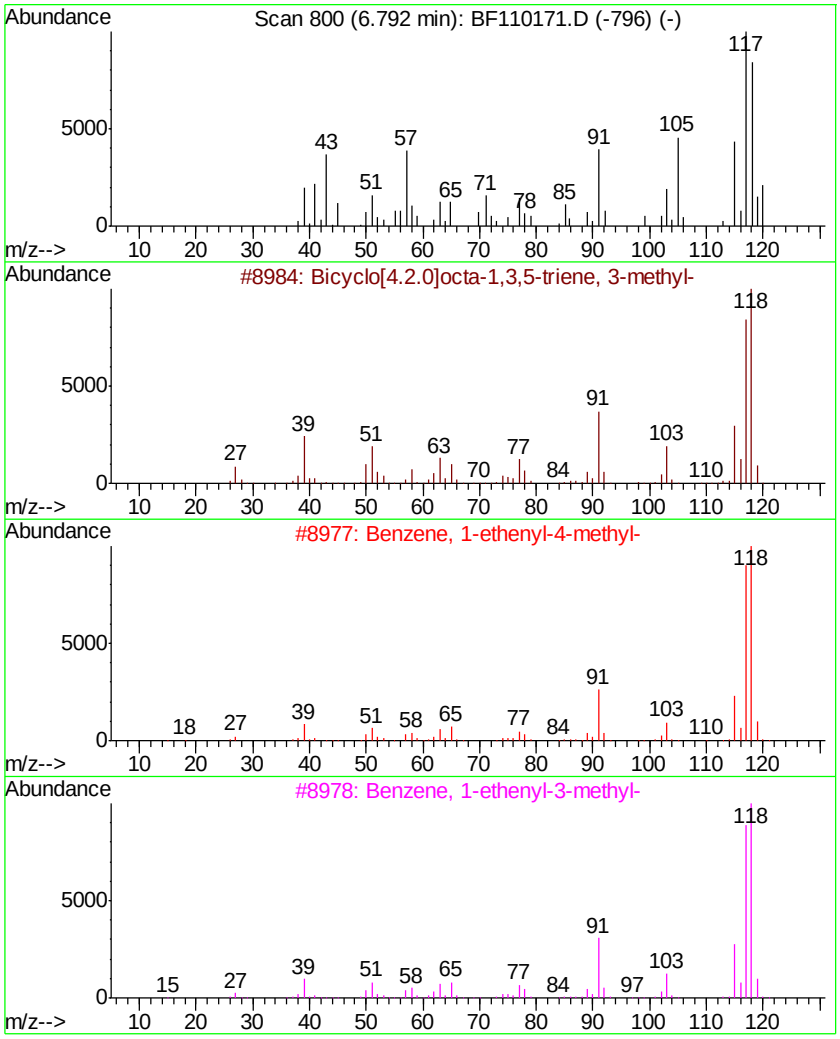
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

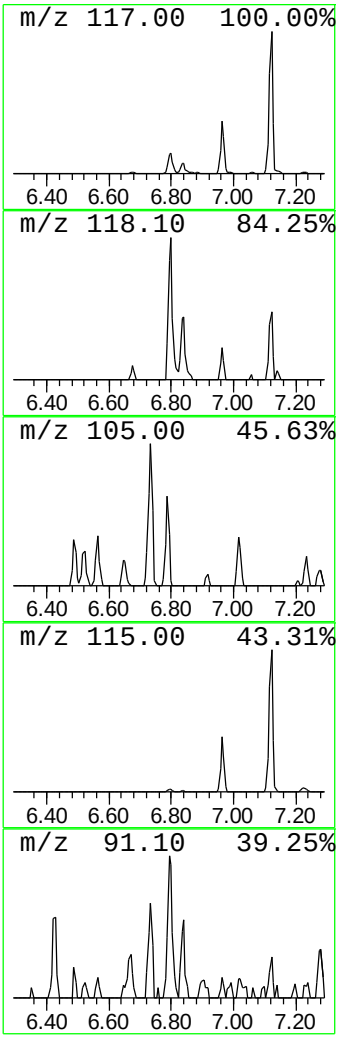
****

Peak Number 4 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.79	2.44 ng	101287	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	022250-74-4	83
2	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	83
3	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	70
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	70
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
Data File : BF110171.D
Acq On : 25 Oct 2018 20:12
Operator : JU/SJ
Sample : J5625-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

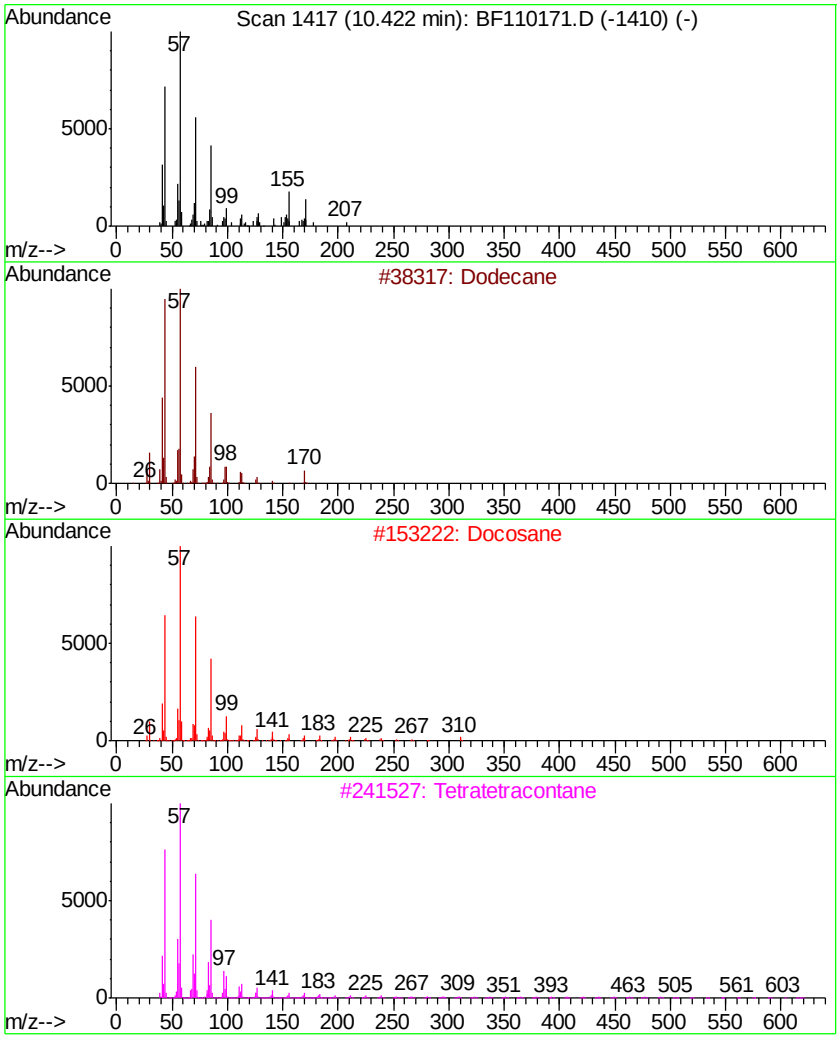
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

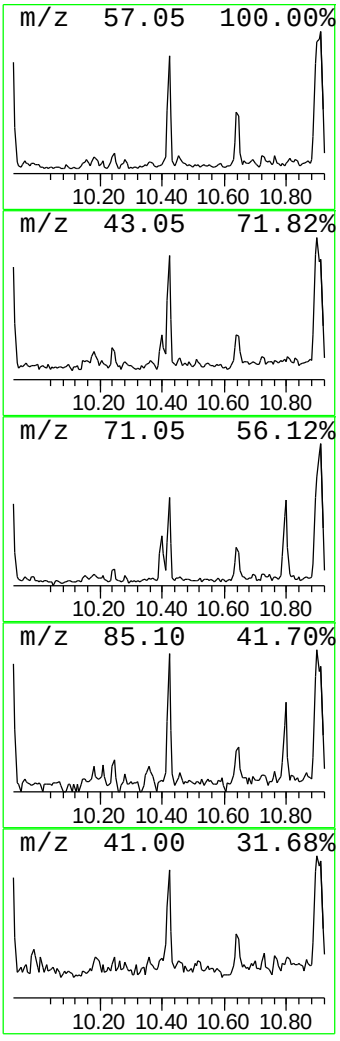
****

Peak Number 6 Dodecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.42	2.12 ng	137109	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	76
2	Docosane	310	C22H46	000629-97-0	64
3	Tetratetracontane	619	C44H90	007098-22-8	58
4	Tritetracontane	605	C43H88	007098-21-7	58
5	Tetradecane	198	C14H30	000629-59-4	58





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Operator : JU/SJ
Sample : J5625-01
Misc :
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Instrument : BNA_F
ClientSampleId : DW-01

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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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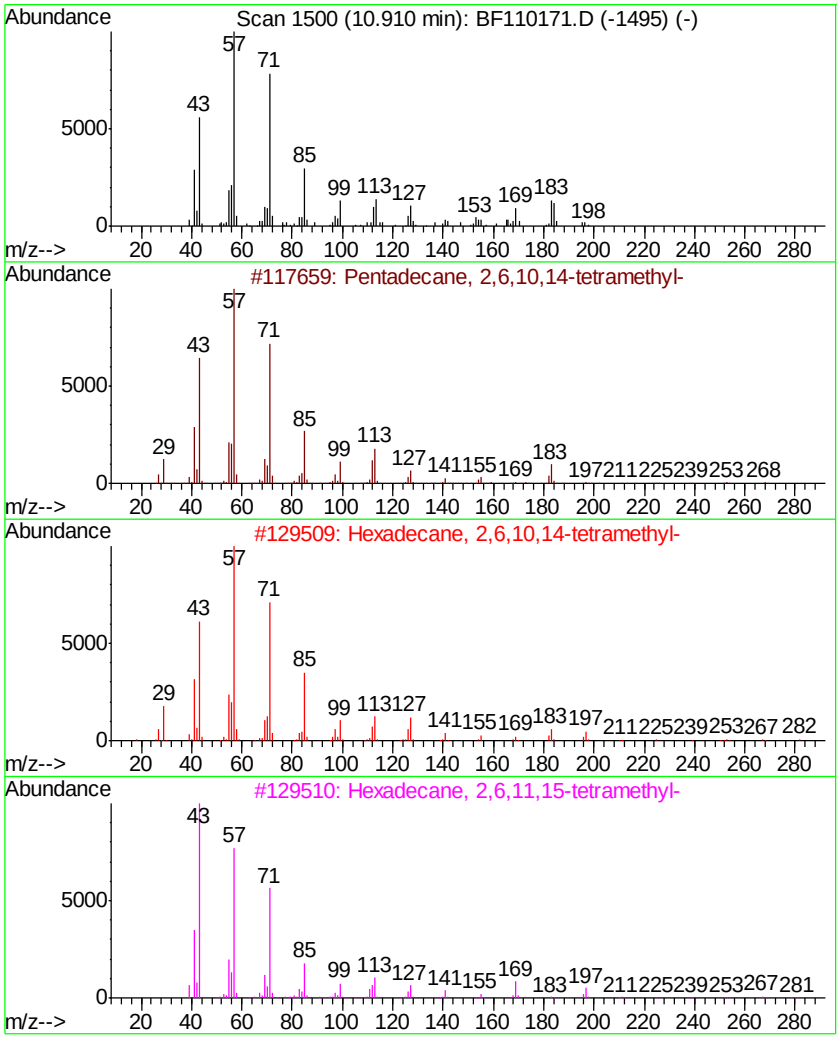
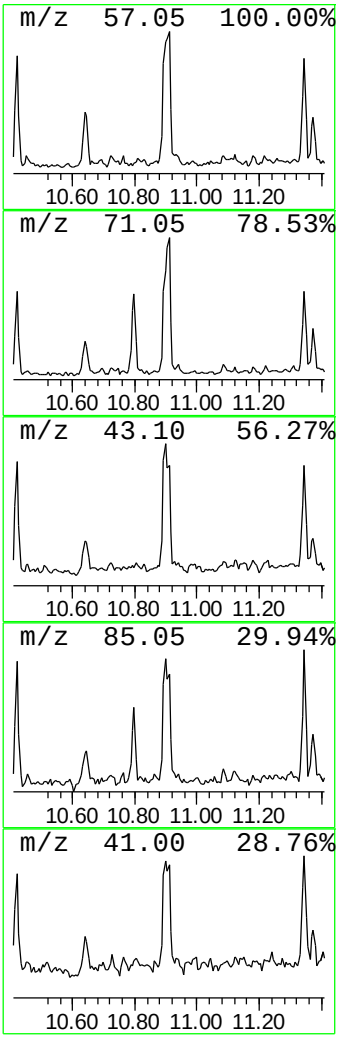
Peak Number 7 Pentadecane, 2,6,10,14-tetr... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.91	3.60 ng	202205	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	87
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	87
3	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	80
4	Tridecane, 4-methyl-	198	C14H30	026730-12-1	70
5	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	58





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Sample : J5625-01
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ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-01

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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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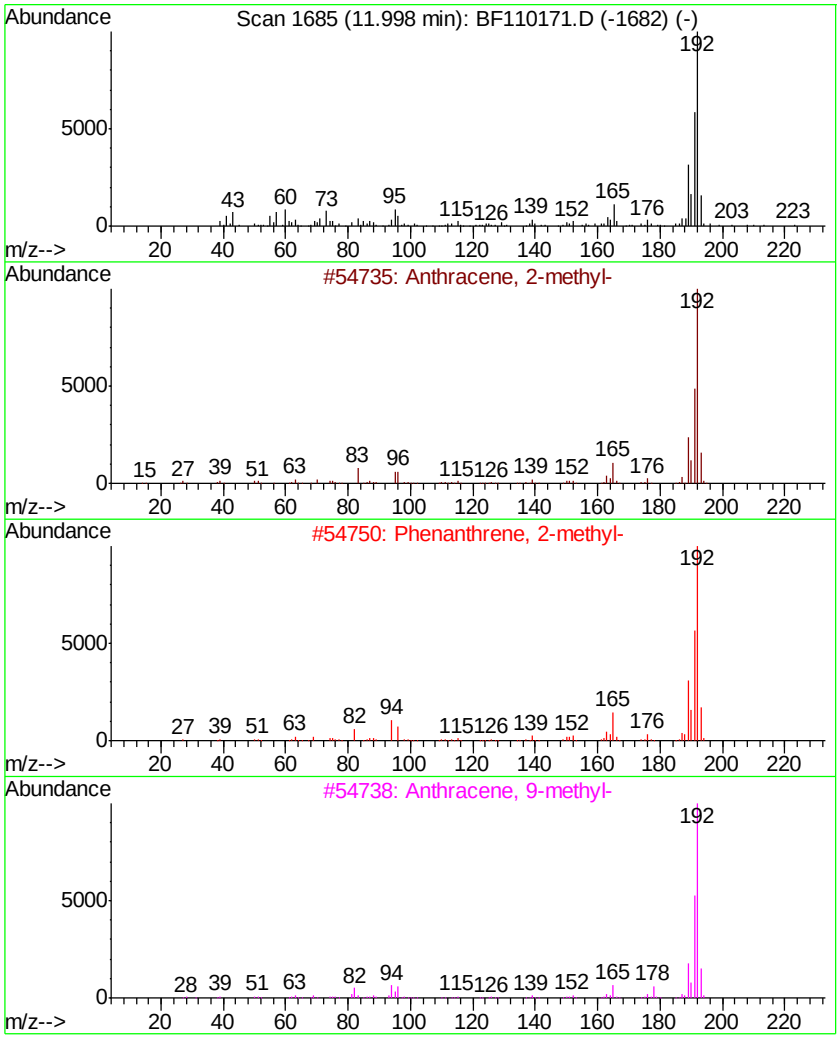
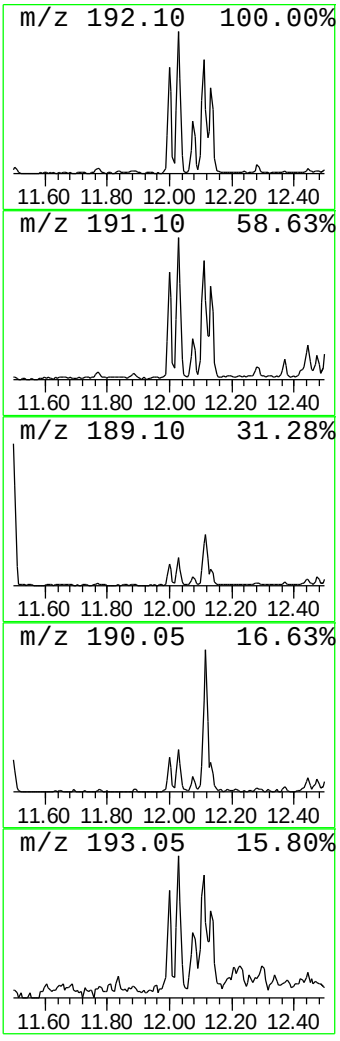
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	4.03 ng	226146	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91





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Instrument : BNA_F
ClientSampleId : DW-01

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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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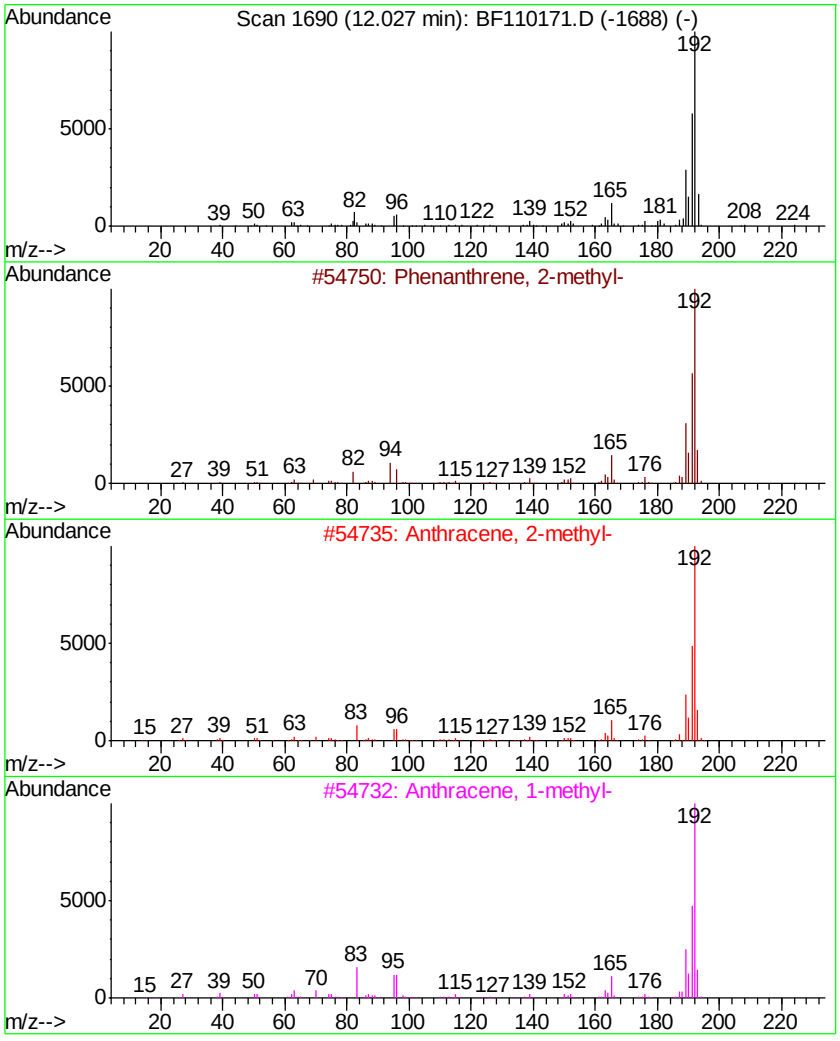
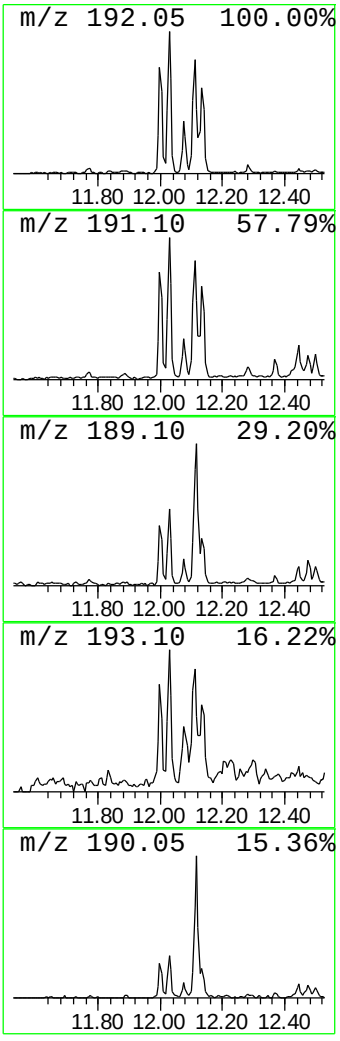
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	3.00 ng	168339	Phenanthrene-d10	11.50

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





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ALS Vial : 10 Sample Multiplier: 1

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ClientSampleId : DW-01

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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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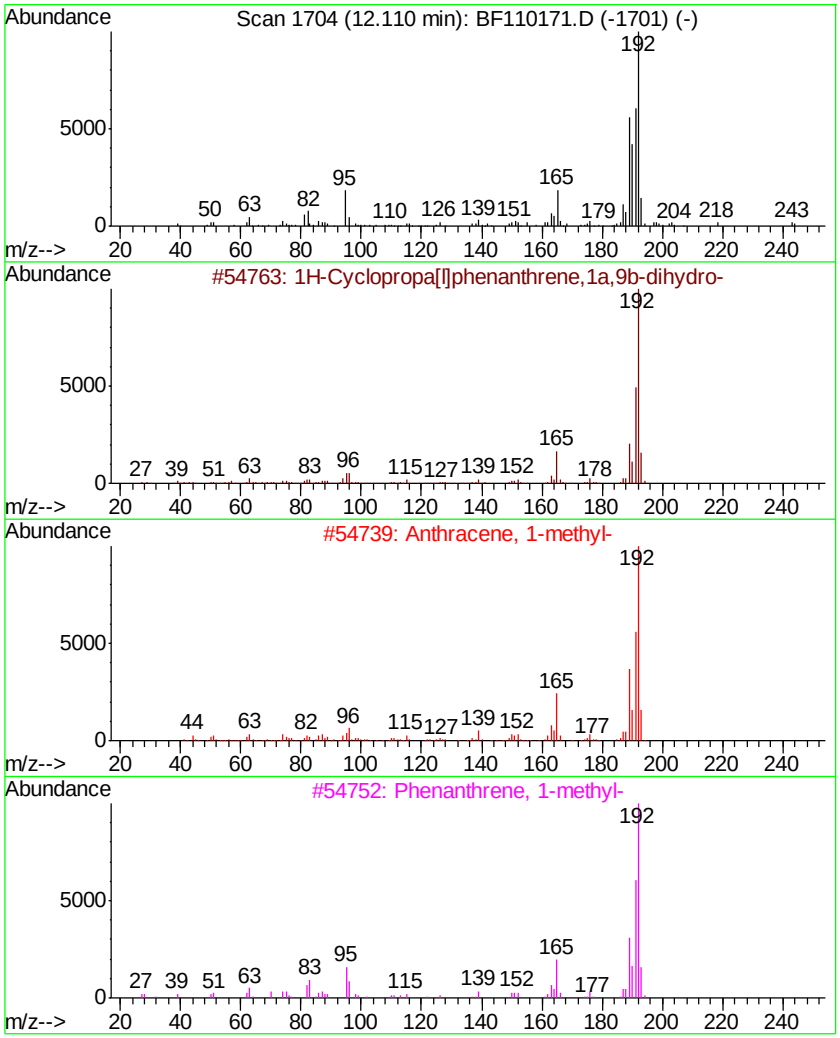
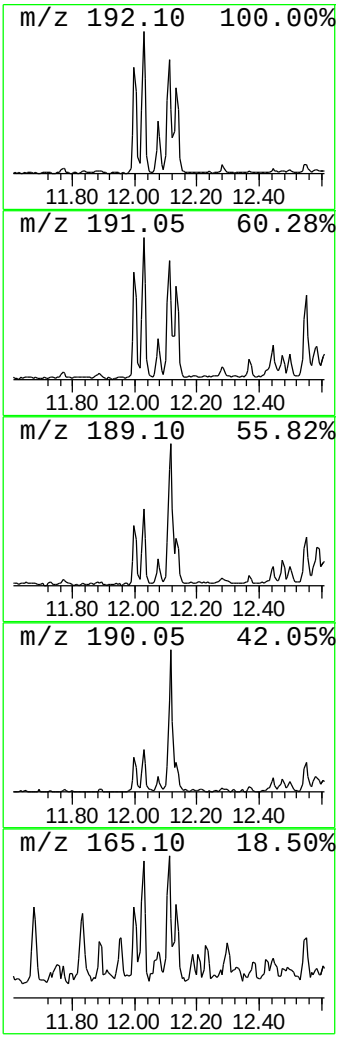
Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	3.65 ng	204997	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	64
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	60





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ClientSampleId : DW-01

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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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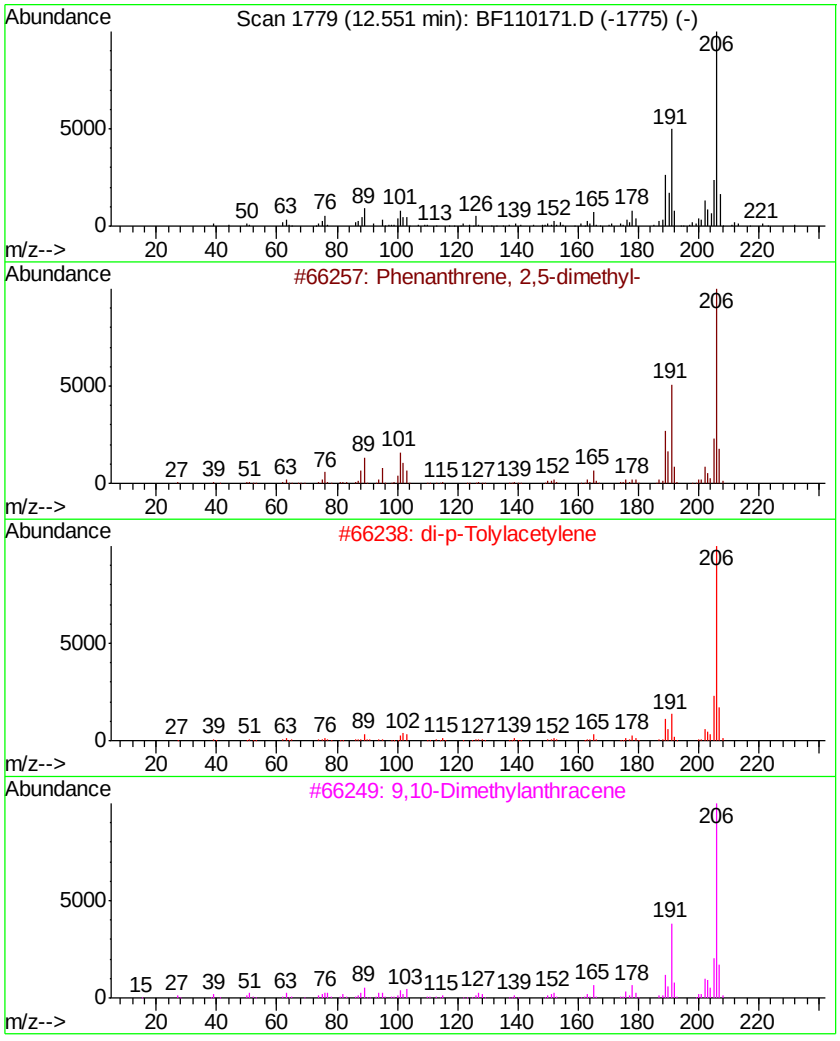
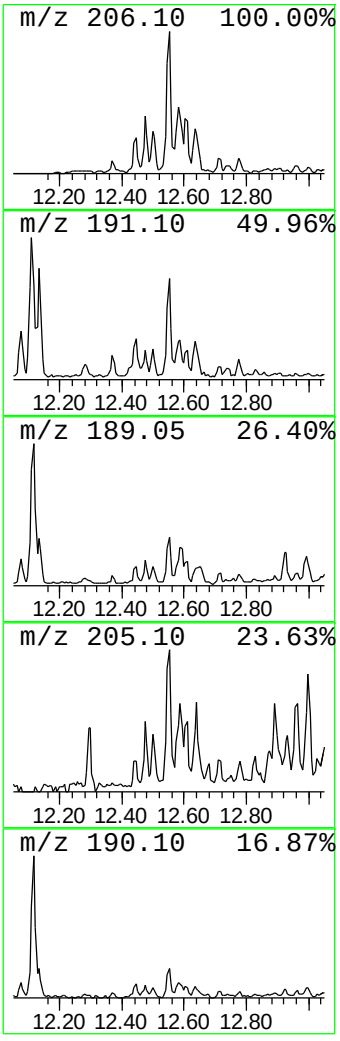
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	2.58 ng	144781	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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ClientSampleId : DW-01

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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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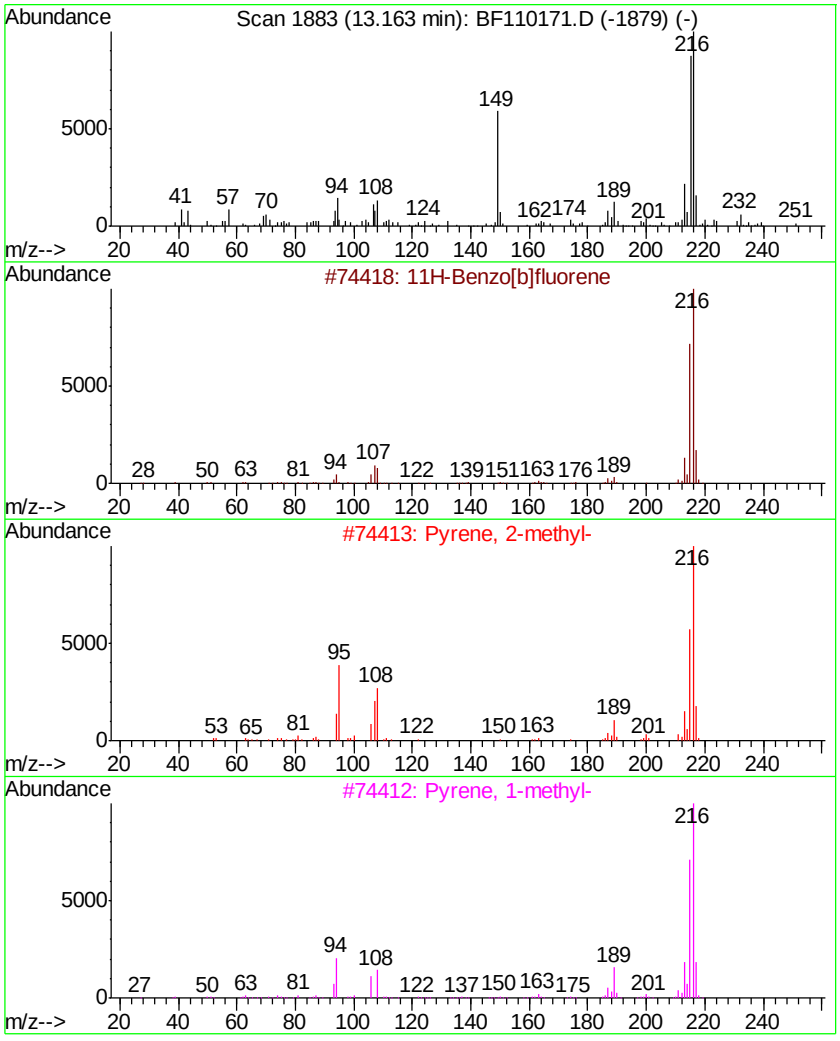
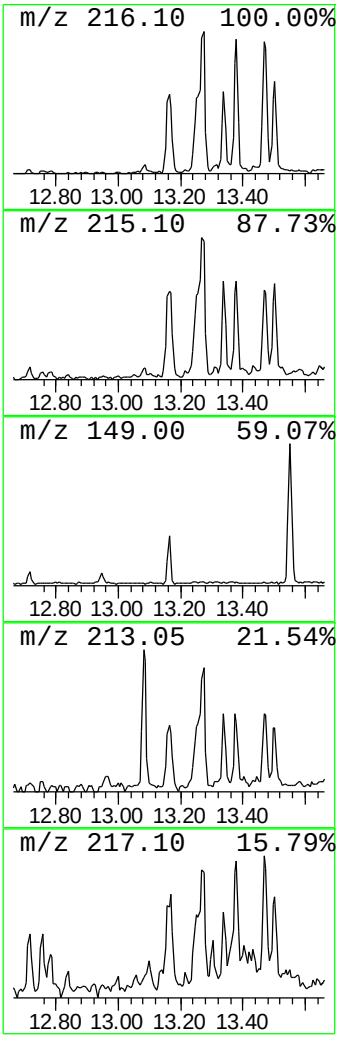
Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	2.68 ng	160729	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	62





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Instrument : BNA_F
ClientSampleId : DW-01

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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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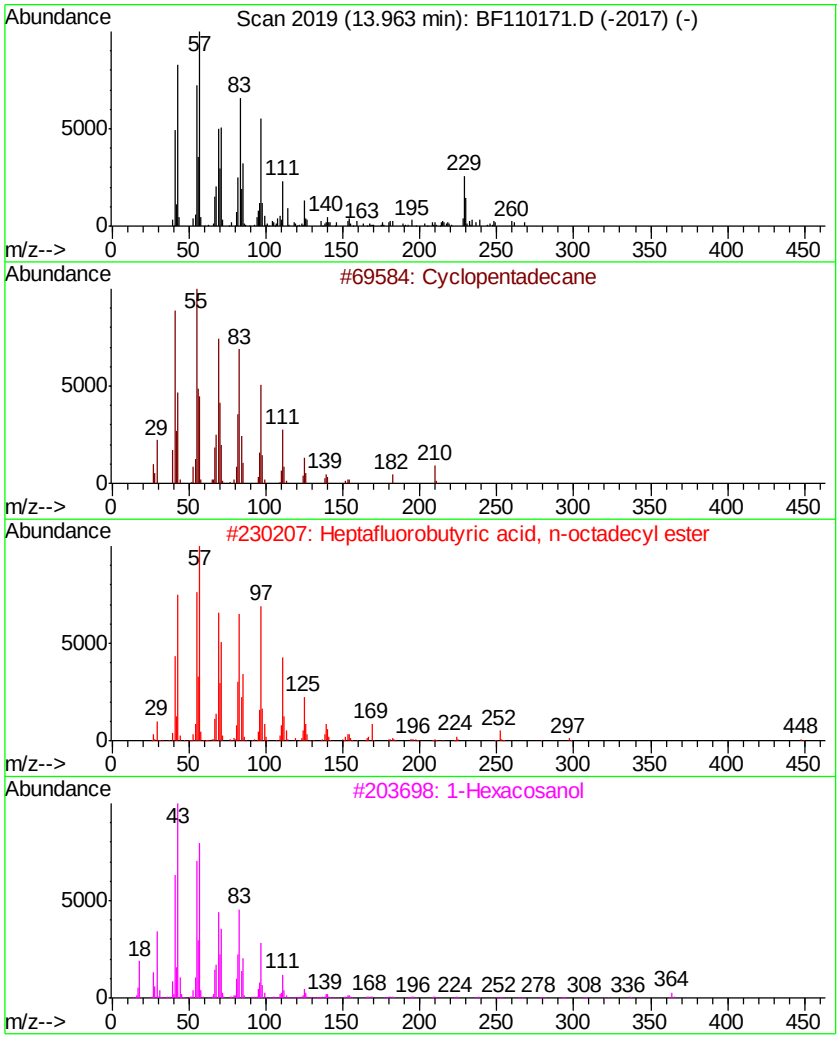
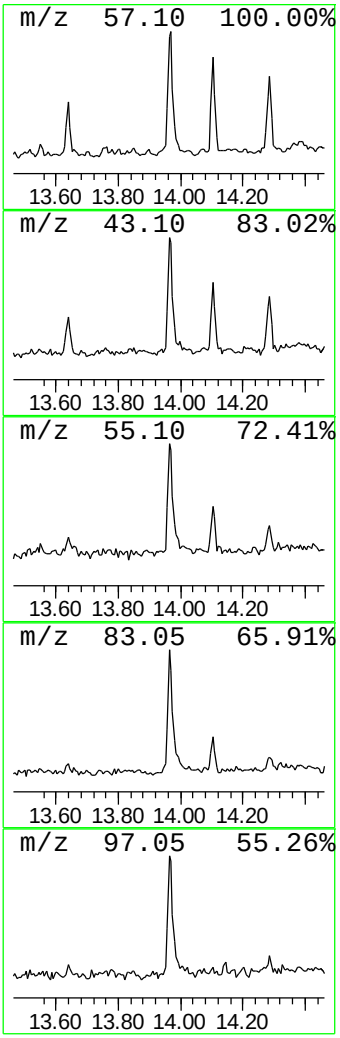
Peak Number 13 Cyclopentadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.96	2.15 ng	128930	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentadecane	210	C15H30	000295-48-7	96
2	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	81
3	1-Hexacosanol	382	C26H54O	000506-52-5	81
4	n-Tetracosanol-1	354	C24H50O	000506-51-4	81
5	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	74





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Instrument : BNA_F
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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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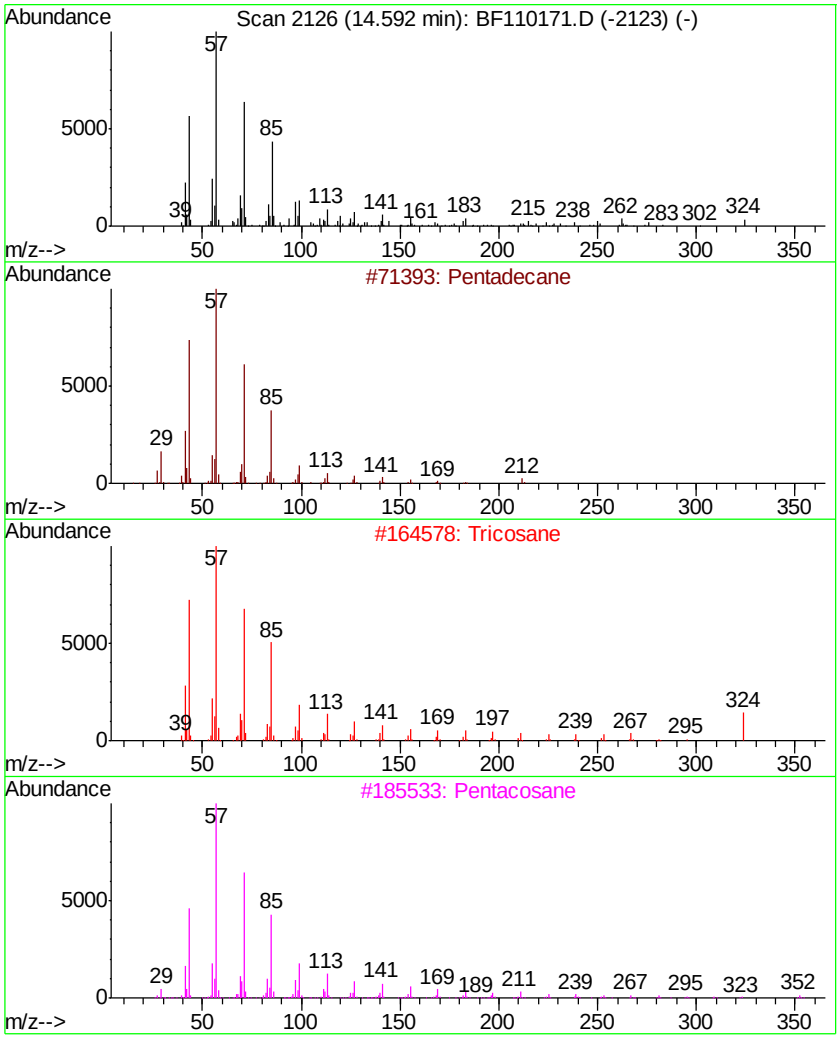
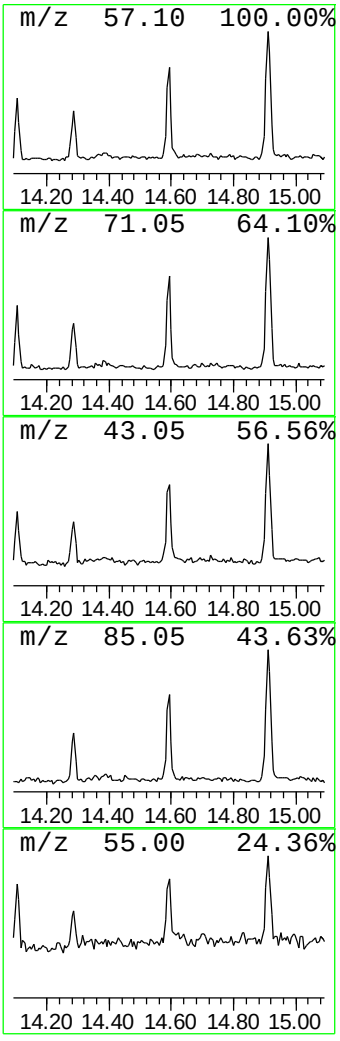
Peak Number 14 Pentadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	2.48 ng	148453	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	94
2	Tricosane	324	C23H48	000638-67-5	93
3	Pentacosane	352	C25H52	000629-99-2	83
4	Octacosane	394	C28H58	000630-02-4	83
5	Heneicosane	296	C21H44	000629-94-7	81





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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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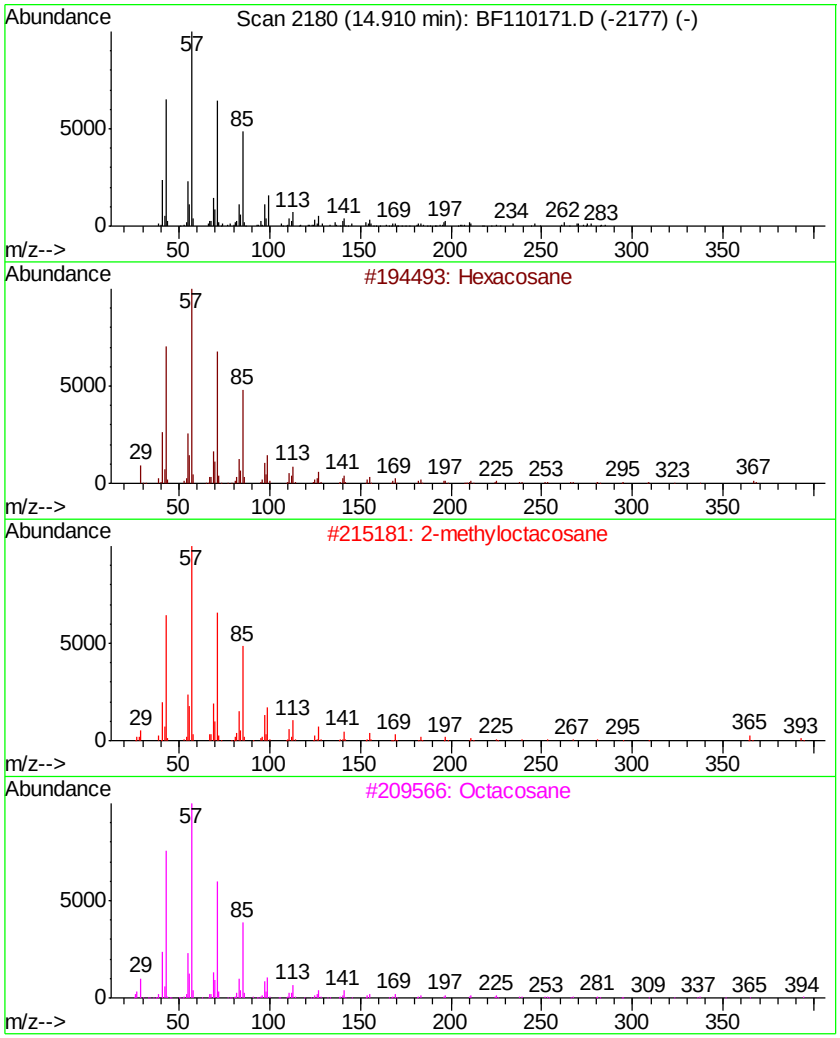
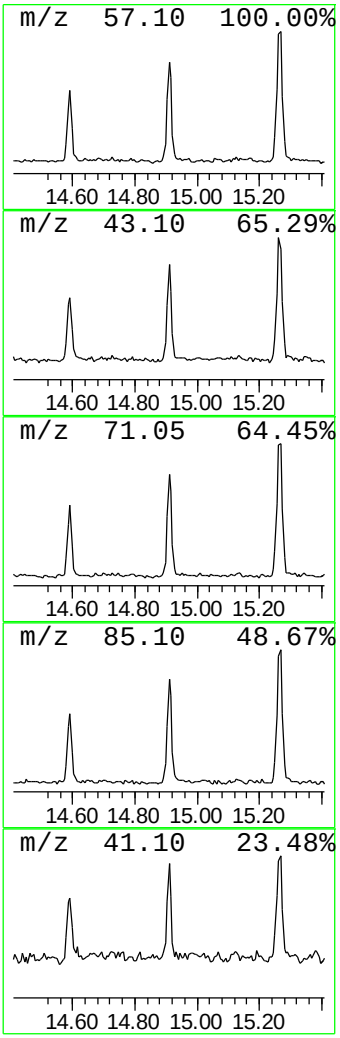
Peak Number 15 Hexacosane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.91	2.16 ng	129553	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	90
2	2-methyloctacosane	408	C29H60	1000376-72-8	87
3	Octacosane	394	C28H58	000630-02-4	86
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	86
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	80





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-01

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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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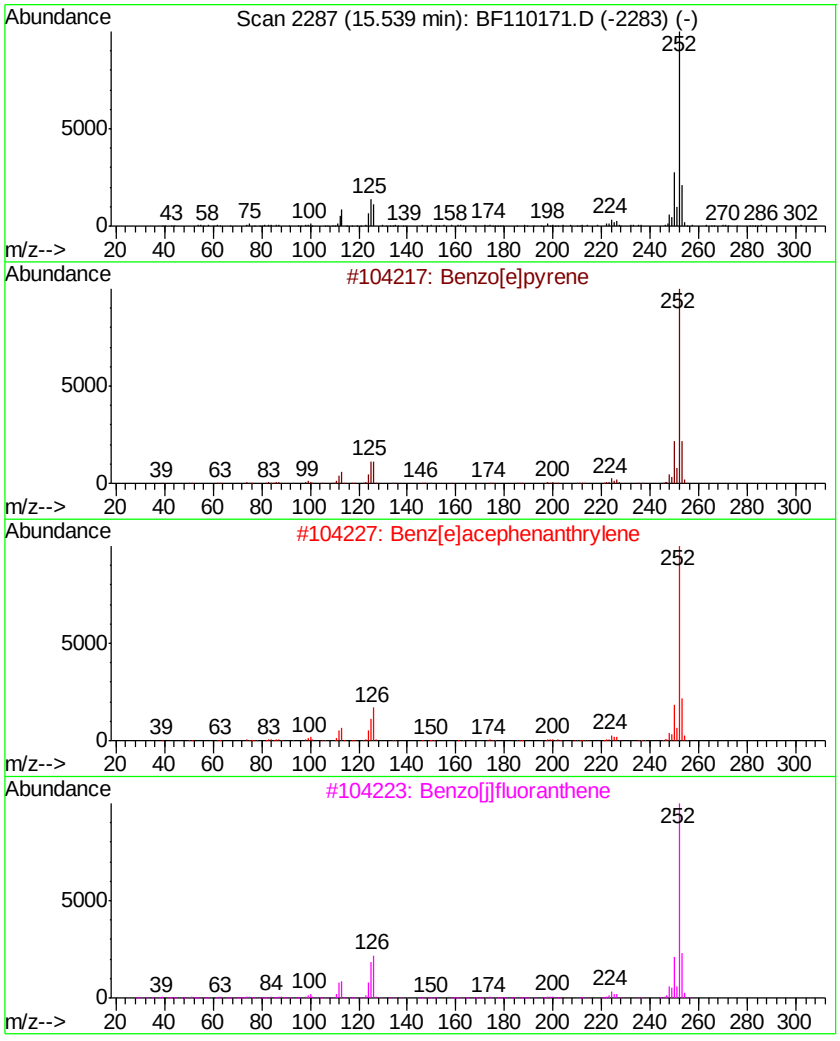
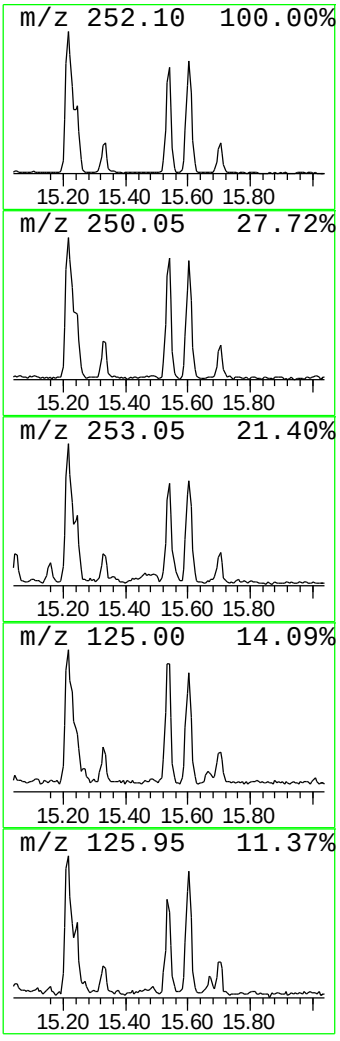
Peak Number 16 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	5.87 ng	294555	Perylene-d12	15.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	91





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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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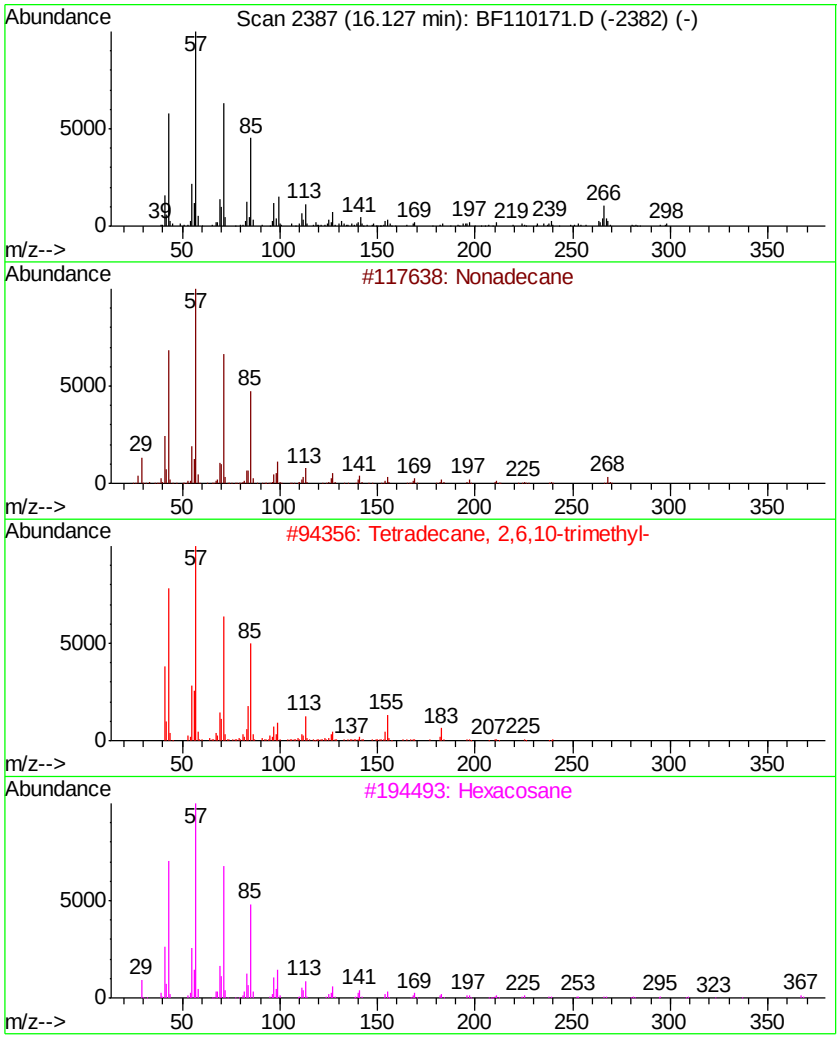
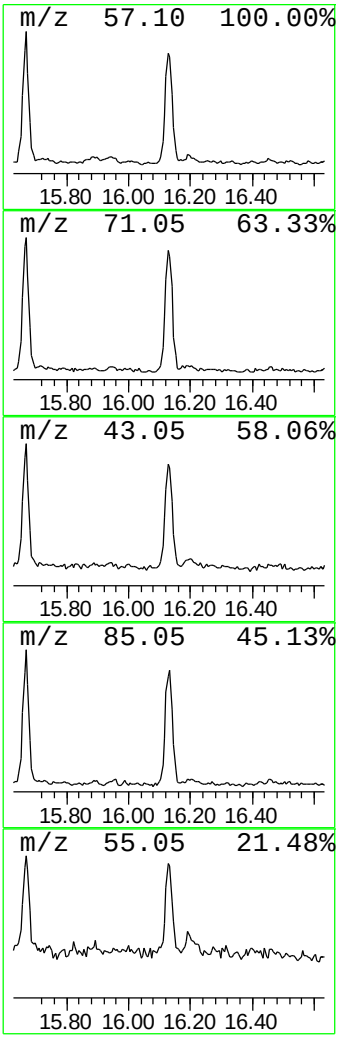
Peak Number 17 Nonadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.13	5.93 ng	297345	Perylene-d12	15.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	98
2	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	91
3	Hexacosane	366	C26H54	000630-01-3	87
4	Heptacosane	380	C27H56	000593-49-7	87
5	Heneicosane	296	C21H44	000629-94-7	87





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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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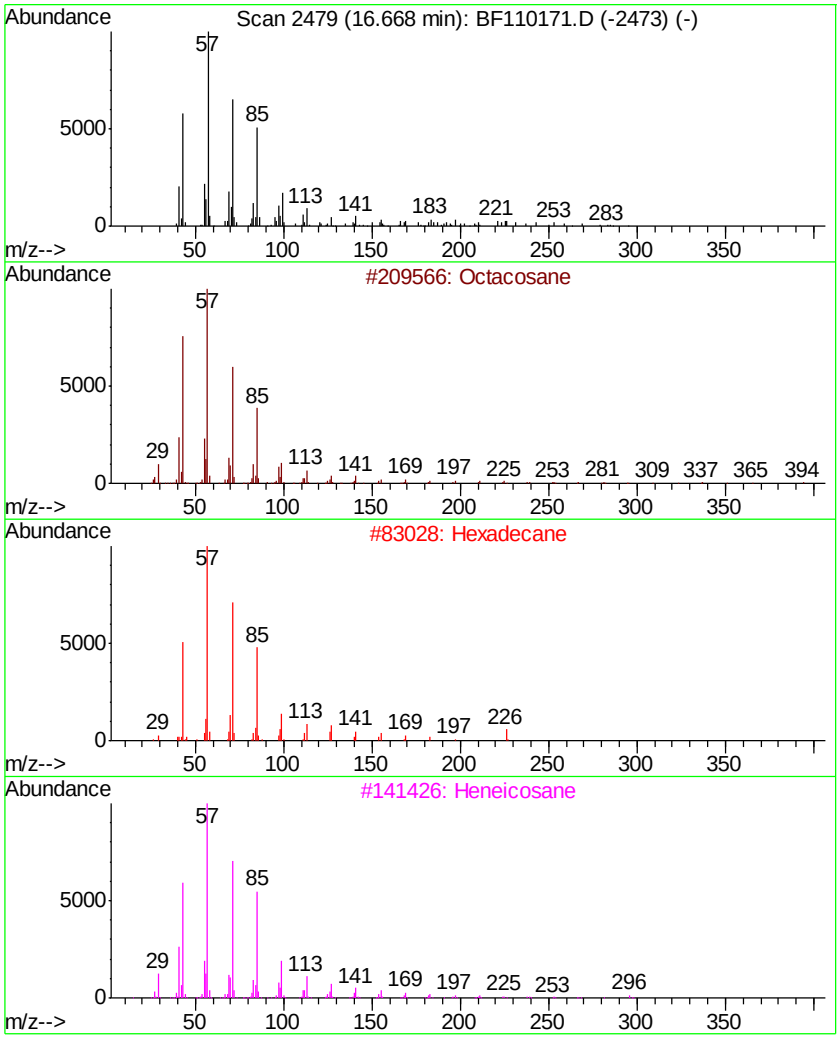
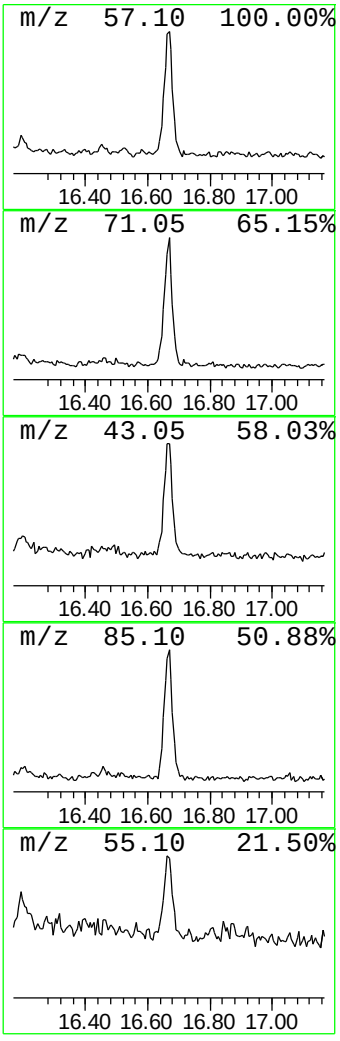
Peak Number 18 Octacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.67	3.99 ng	200131	Perylene-d12	15.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	90
2	Hexadecane	226	C16H34	000544-76-3	90
3	Heneicosane	296	C21H44	000629-94-7	87
4	6,6-Diethylhexadecane	282	C20H42	1000360-41-4	86
5	Heptadecane	240	C17H36	000629-78-7	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
Data File : BF110171.D
Acq On : 25 Oct 2018 20:12
Operator : JU/SJ
Sample : J5625-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

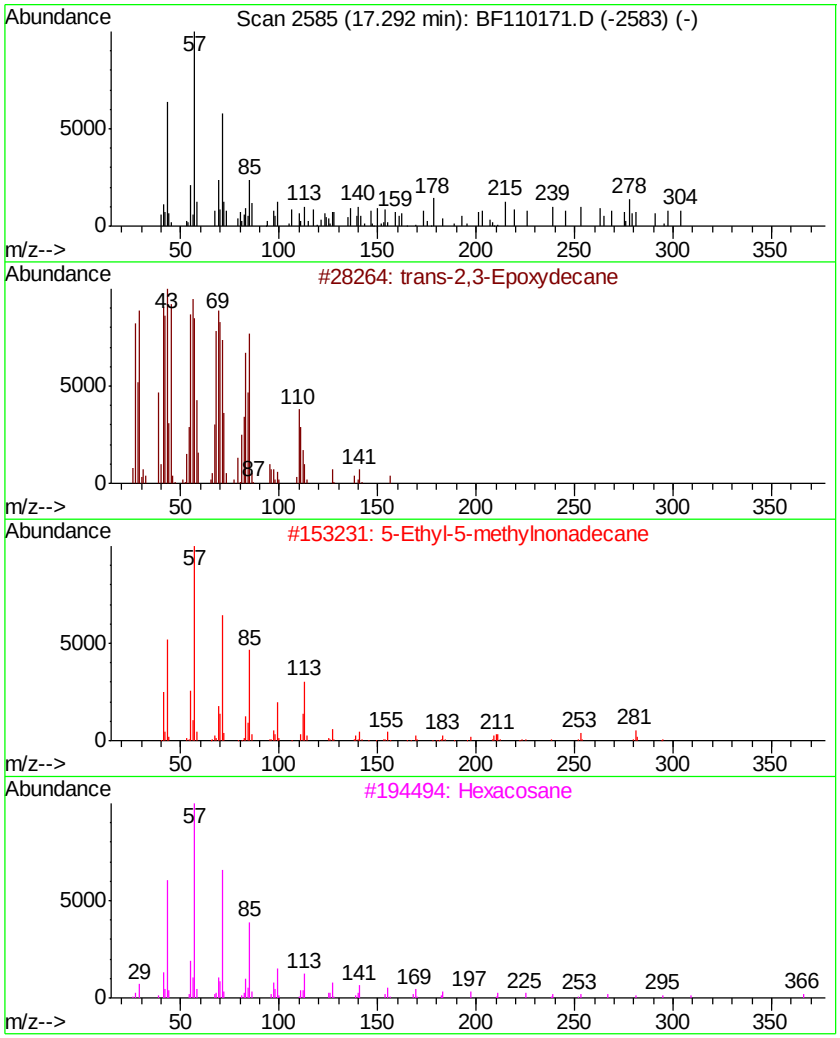
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

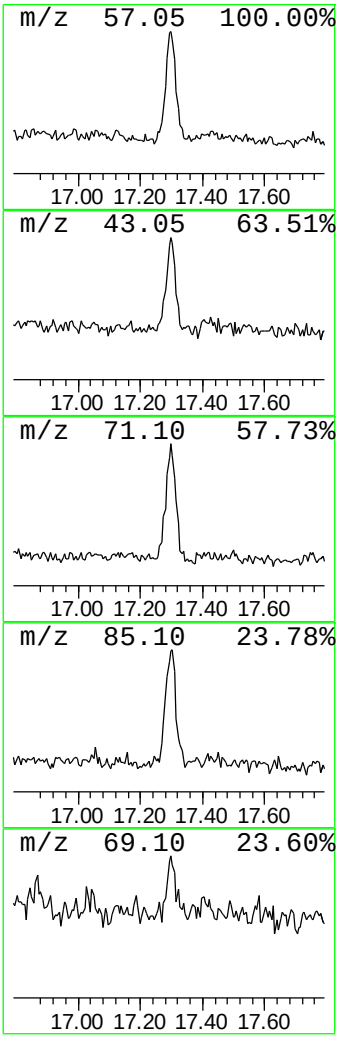
****

Peak Number 19 unknown17.29 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	2.55 ng	127797	Perylene-d12	15.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-2,3-Epoxydecane	156	C10H20O	054125-39-2	49
2	5-Ethyl-5-methylnonadecane	310	C22H46	1000360-42-7	47
3	Hexacosane	366	C26H54	000630-01-3	46
4	Hexadecane, 3-methyl-	240	C17H36	006418-43-5	43
5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102518\
Data File : BF110171.D
Acq On : 25 Oct 2018 20:12
Operator : JU/SJ
Sample : J5625-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DW-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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	12.2	ng	506030	1	6.96	828880	20.0
2-Pentanone, 4-hy...	5.20	3.0	ng	123583	1	6.96	828880	20.0
unknown6.73	6.73	62.0	ng	2570540	1	6.96	828880	20.0
Bicyclo[4.2.0]oct...	6.79	2.4	ng	101287	1	6.96	828880	20.0
Dodecane	10.42	2.1	ng	137109	3	10.01	1295540	20.0
Pentadecane, 2,6,...	10.91	3.6	ng	202205	4	11.50	1123360	20.0
Anthracene, 2-met...	12.00	4.0	ng	226146	4	11.50	1123360	20.0
Phenanthrene, 2-m...	12.03	3.0	ng	168339	4	11.50	1123360	20.0
1H-Cyclopropa[l]p...	12.11	3.6	ng	204997	4	11.50	1123360	20.0
Phenanthrene, 2,5...	12.55	2.6	ng	144781	4	11.50	1123360	20.0
11H-Benzo[b]fluorene	13.16	2.7	ng	160729	5	14.14	1198580	20.0
Cyclopentadecane	13.96	2.1	ng	128930	5	14.14	1198580	20.0
Pentadecane	14.59	2.5	ng	148453	5	14.14	1198580	20.0
Hexacosane	14.91	2.2	ng	129553	5	14.14	1198580	20.0
Benzo[e]pyrene	15.54	5.9	ng	294555	6	15.67	1003500	20.0
Nonadecane	16.13	5.9	ng	297345	6	15.67	1003500	20.0
Octacosane	16.67	4.0	ng	200131	6	15.67	1003500	20.0
unknown17.29	17.29	2.5	ng	127797	6	15.67	1003500	20.0