LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021318\
Data File : BF102970.D
Acq On : 13 Feb 2018 19:07
Operator : SJ/JU
Sample : J1511-03 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MM-3

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-BF020318.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	5.081	507	509	518	rVB	173944	187011	6.32%	0.304%
2	5.487	575	578	587	rVB	1609484	1464719	49.49%	2.378%
3	6.498	746	750	761	rVB	1980892	1838632	62.12%	2.985%
4	6.640	770	774	778	rBV	1935221	1683531	56.88%	2.733%
5	6.875	810	814	820	rBV	1155299	974584	32.93%	1.582%
6	7.028	835	840	843	rBV	1547941	1341515	45.33%	2.178%
7	7.434	906	909	912	rVV	1315854	1110010	37.50%	1.802%
8	7.463	912	914	918	rVB	199924	160069	5.41%	0.260%
9	7.851	978	980	985	rVV2	136012	170016	5.74%	0.276%
10	8.134	1025	1028	1029	rVV	503101	424650	14.35%	0.689%
11	8.157	1029	1032	1034	rVV	1506298	1350969	45.65%	2.193%
12	8.181	1034	1036	1039	rVV	1432795	1122540	37.93%	1.822%
13	8.210	1039	1041	1043	rVV	290612	214581	7.25%	0.348%
14	8.445	1077	1081	1085	rVB3	189026	224280	7.58%	0.364%
15	8.528	1093	1095	1099	rVB3	145048	155604	5.26%	0.253%
16	8.569	1099	1102	1104	rBV	508349	378069	12.77%	0.614%
17	8.739	1128	1131	1135	rBV	907193	685198	23.15%	1.112%
18	8.839	1145	1148	1150	rVV2	161607	198262	6.70%	0.322%
19	8.869	1150	1153	1156	rVV	539604	429344	14.51%	0.697%
20	8.928	1161	1163	1166	rVV4	125436	162389	5.49%	0.264%
21	8.969	1167	1170	1173	rVV	407327	419820	14.18%	0.681%
22	9.022	1177	1179	1181	rVV3	135984	152558	5.15%	0.248%
23	9.057	1183	1185	1189	rVV4	151838	232475	7.85%	0.377%
24	9.104	1189	1193	1197	rVV2	223174	261658	8.84%	0.425%
25	9.145	1197	1200	1202	rVV	222600	201519	6.81%	0.327%
26	9.169	1202	1204	1207	rVV	630762	531317	17.95%	0.862%
27	9.228	1211	1214	1219	rVB	1711748	1412141	47.71%	2.292%
28	9.304	1224	1227	1230	rBV	1257078	1109145	37.48%	1.800%
29	9.328	1230	1231	1236	rVV2	154349	231094	7.81%	0.375%
30	9.428	1245	1248	1253	rVB	151786	156100	5.27%	0.253%
31	9.492	1256	1259	1263	rBV	336118	433242	14.64%	0.703%
32	9.569	1269	1272	1275	rVV2	493352	610954	20.64%	0.992%
33	9.598	1275	1277	1278	rVV	300766	244924	8.28%	0.398%
34	9.622	1278	1281	1284	rVV3	818740	921298	31.13%	1.495%

LSC Area Percent Report

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Acq On : 13 Feb 2018 19:07
Operator : SJ/JU
Sample : J1511-03 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MM-3

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-BF020318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.645	1284	1285	1289	rVB2	169620	159955	5.40%	0.260%
36	9.686	1289	1292	1294	rBV	343125	269897	9.12%	0.438%
37	9.775	1304	1307	1310	rBV2	269610	282127	9.53%	0.458%
38	9.834	1312	1317	1321	rVB	1057453	973339	32.89%	1.580%
39	9.910	1325	1330	1333	rVB	1086392	1153924	38.99%	1.873%
40	9.945	1333	1336	1339	rBV	640160	501988	16.96%	0.815%
41	10.016	1344	1348	1352	rVB2	272049	340656	11.51%	0.553%
42	10.069	1352	1357	1359	rBV4	212849	335052	11.32%	0.544%
43	10.116	1359	1365	1368	rVV3	644456	812218	27.44%	1.318%
44	10.151	1368	1371	1376	rVV3	489942	525204	17.75%	0.853%
45	10.228	1381	1384	1386	rBV	311591	305101	10.31%	0.495%
46	10.257	1386	1389	1391	rVV	210144	170732	5.77%	0.277%
47	10.333	1395	1402	1405	rBV	1231285	1255042	42.41%	2.037%
48	10.457	1420	1423	1430	rBV3	469980	532837	18.00%	0.865%
49	10.551	1436	1439	1445	rVB	646993	823087	27.81%	1.336%
50	10.610	1445	1449	1452	rBV3	181310	258863	8.75%	0.420%
51	10.698	1462	1464	1468	rBV3	395774	339691	11.48%	0.551%
52	10.810	1479	1483	1484	rBV	1084984	1163094	39.30%	1.888%
53	10.998	1512	1515	1519	rBV4	170016	276144	9.33%	0.448%
54	11.033	1519	1521	1524	rVV2	246057	220198	7.44%	0.357%
55	11.204	1547	1550	1553	rVB	369721	306605	10.36%	0.498%
56	11.257	1554	1559	1561	rVV2	1110761	1017391	34.38%	1.651%
57	11.286	1561	1564	1571	rVB2	728052	949309	32.08%	1.541%
58	11.404	1580	1584	1585	rBV	1009514	941934	31.83%	1.529%
59	11.428	1585	1588	1591	rVV	2983134	2936060	99.20%	4.766%
60	11.475	1594	1596	1599	rVB	789861	644654	21.78%	1.046%
61	11.557	1608	1610	1616	rVV3	208513	339732	11.48%	0.551%
62	11.633	1620	1623	1626	rVV2	472807	508691	17.19%	0.826%
63	11.680	1628	1631	1635	rVV	798073	737492	24.92%	1.197%
64	11.733	1637	1640	1645	rVB3	236724	311729	10.53%	0.506%
65	11.904	1666	1669	1671	rBV	597207	539611	18.23%	0.876%
66	11.933	1671	1674	1676	rVV	732448	670847	22.67%	1.089%
67	11.975	1679	1681	1684	rVV	226997	208682	7.05%	0.339%
68	12.016	1684	1688	1690	rVV2	598724	739603	24.99%	1.201%
69	12.039	1690	1692	1694	rVB	432769	342855	11.58%	0.557%
70	12.086	1697	1700	1705	rBV	625876	610840	20.64%	0.992%
71	12.198	1716	1719	1721	rBV	337080	285100	9.63%	0.463%

LSC Area Percent Report

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Acq On : 13 Feb 2018 19:07
Operator : SJ/JU
Sample : J1511-03 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MM-3

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-BF020318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.222	1721	1723	1729	rVB3	272882	291378	9.85%	0.473%
73	12.375	1746	1749	1751	rBV2	263381	245965	8.31%	0.399%
74	12.398	1751	1753	1756	rVB2	154647	140449	4.75%	0.228%
75	12.451	1759	1762	1764	rVV	421372	388235	13.12%	0.630%
76	12.480	1764	1767	1770	rVV2	678961	708685	23.94%	1.150%
77	12.539	1774	1777	1781	rVB3	221274	226727	7.66%	0.368%
78	12.616	1787	1790	1794	rBV	1999018	1916764	64.76%	3.111%
79	12.851	1823	1830	1835	rBV	2424597	2959652	100.00%	4.804%
80	12.898	1835	1838	1842	rVB2	215939	272549	9.21%	0.442%
81	12.963	1846	1849	1850	rBV2	181975	201532	6.81%	0.327%
82	12.980	1850	1852	1855	rVB	902724	724066	24.46%	1.175%
83	13.057	1862	1865	1872	rBV6	219215	498474	16.84%	0.809%
84	13.145	1878	1880	1882	rBV2	143752	161826	5.47%	0.263%
85	13.169	1882	1884	1887	rVB	286989	261593	8.84%	0.425%
86	13.204	1887	1890	1893	rBV	645910	573276	19.37%	0.931%
87	13.274	1899	1902	1905	rBV2	268612	262876	8.88%	0.427%
88	13.369	1916	1918	1921	rVB	223813	160878	5.44%	0.261%
89	13.398	1921	1923	1926	rBV	227886	243538	8.23%	0.395%
90	13.545	1945	1948	1951	rBV	599477	548607	18.54%	0.891%
91	13.874	2001	2004	2010	rVB2	628583	795215	26.87%	1.291%
92	14.039	2028	2032	2035	rBV2	992786	1448337	48.94%	2.351%
93	14.069	2035	2037	2044	rVB	863339	759261	25.65%	1.232%
94	14.192	2055	2058	2061	rBV	454188	439215	14.84%	0.713%
95	14.492	2107	2109	2113	rBV	456930	459311	15.52%	0.746%
96	14.804	2159	2162	2166	rBV	339821	355486	12.01%	0.577%
97	15.086	2207	2210	2217	rVV	408614	678399	22.92%	1.101%
98	15.145	2217	2220	2223	rVB	296420	302144	10.21%	0.490%
99	15.457	2270	2273	2279	rVB	395950	475289	16.06%	0.772%
100	15.521	2280	2284	2297	rVB3	665728	1121232	37.88%	1.820%

Sum of corrected areas: 61605461

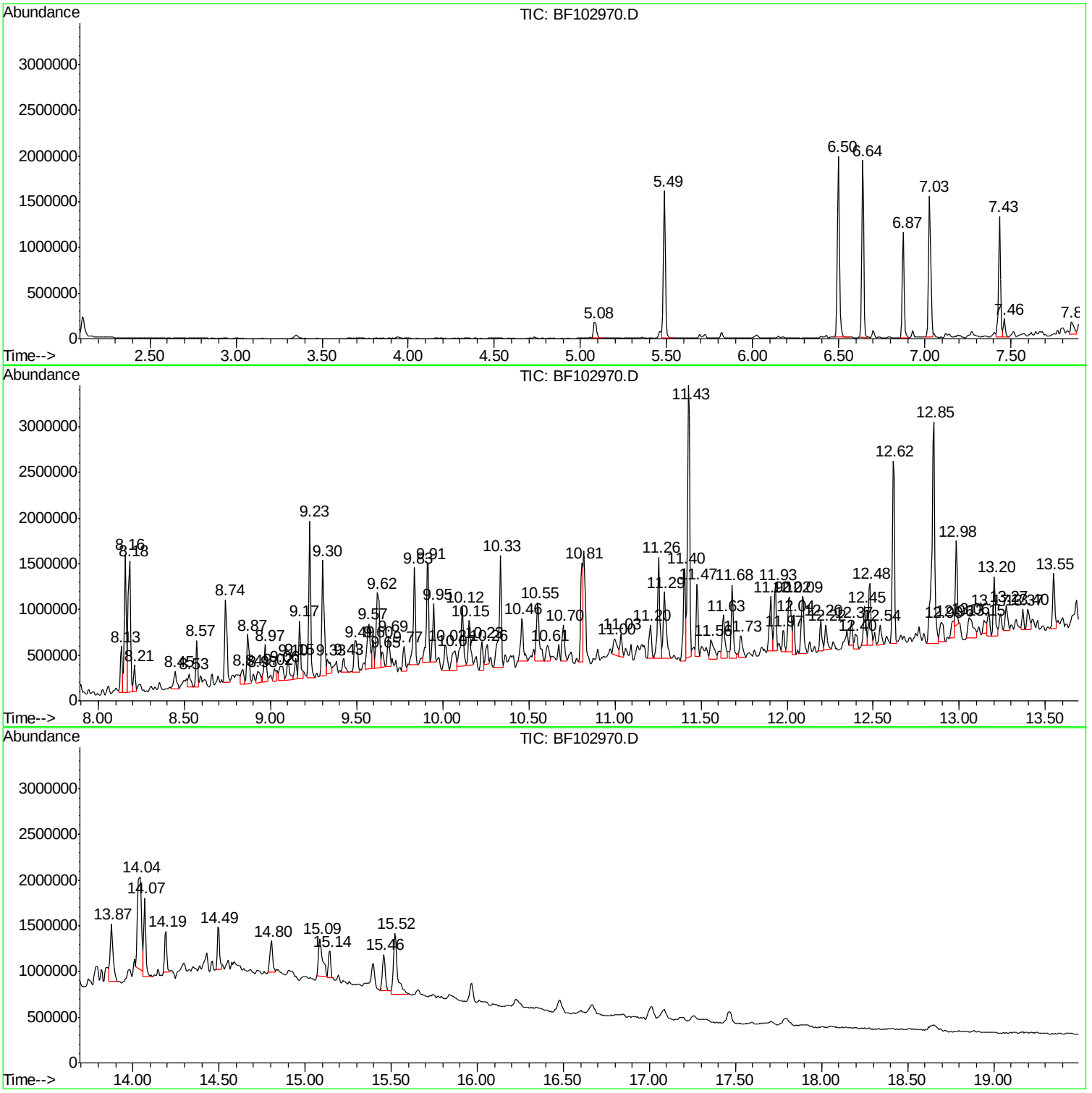
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021318\
Data File : BF102970.D
Acq On : 13 Feb 2018 19:07
Operator : SJ/JU
Sample : J1511-03 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MM-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF021318\
Data File : BF102970.D
Acq On : 13 Feb 2018 19:07
Operator : SJ/JU
Sample : J1511-03 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MM-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

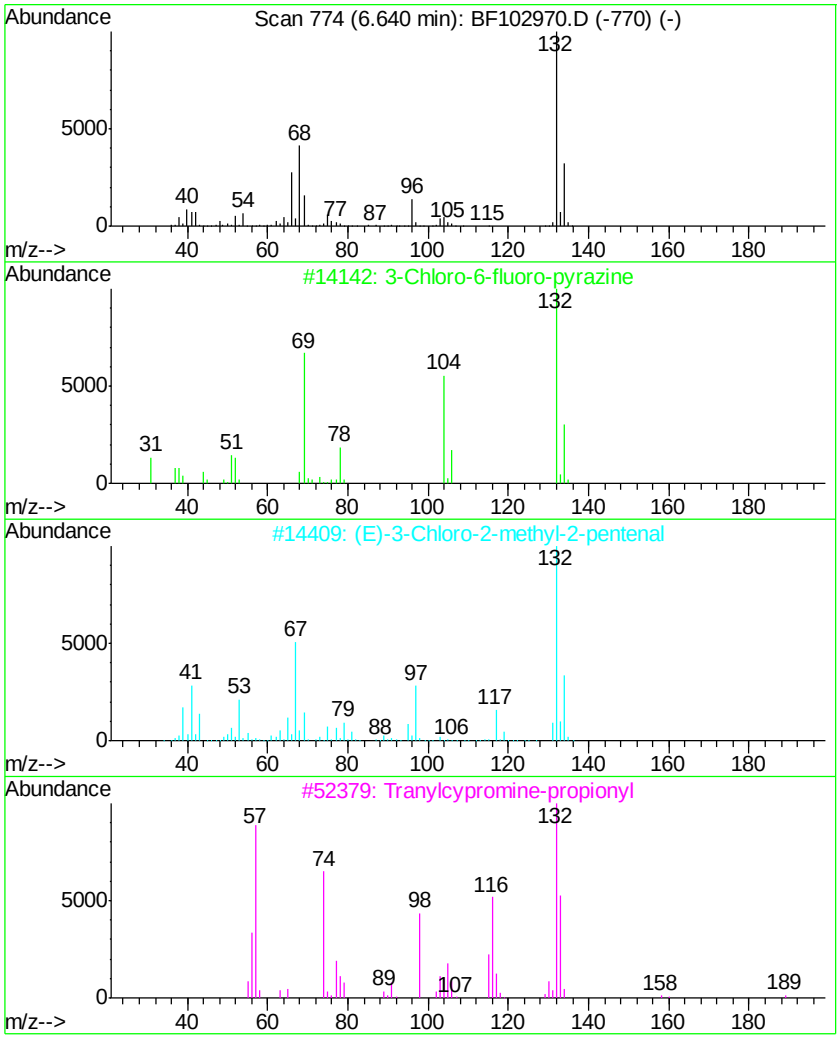
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

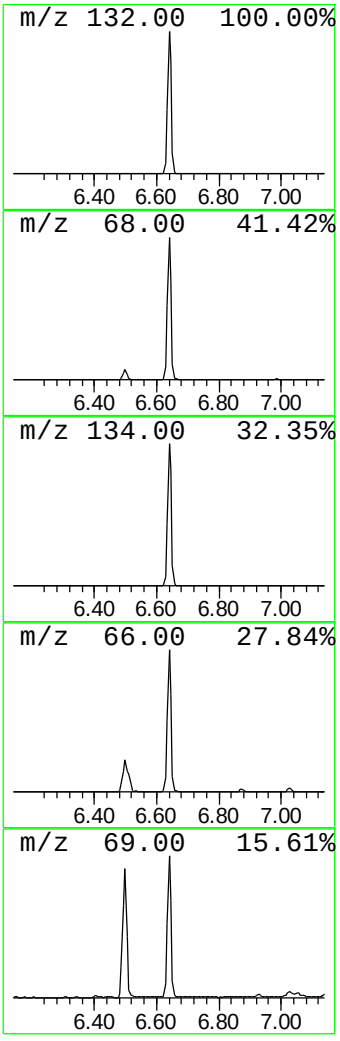
****

Peak Number 1 unknown6.64 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	34.55 ng	1683530	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	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF021318\
Data File : BF102970.D
Acq On : 13 Feb 2018 19:07
Operator : SJ/JU
Sample : J1511-03 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MM-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

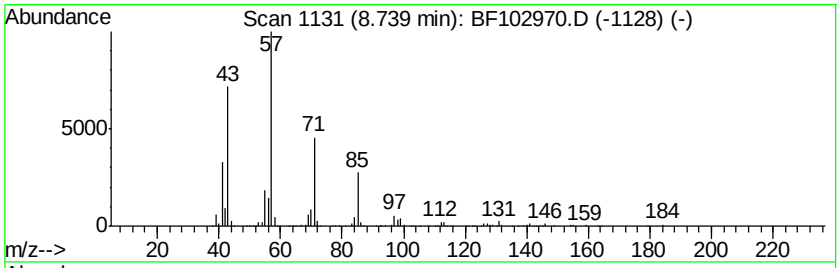
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

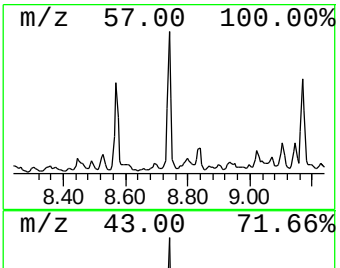
****

Peak Number 3 Nonane, 5-butyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.74	10.14 ng	685198	Naphthalene-d8	8.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 5-butyl-	184	C13H28	017312-63-9	87
2	Hexadecane	226	C16H34	000544-76-3	86
3	Dodecane	170	C12H26	000112-40-3	86
4	Tetradecane	198	C14H30	000629-59-4	78
5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	68





Data Path : Z:\HPCHEM1\BNA F\DATA\BF021318\
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Acq On : 13 Feb 2018 19:07
Operator : SJ/JU
Sample : J1511-03 2X
Misc :
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Instrument : BNA_F
ClientSampleId : MM-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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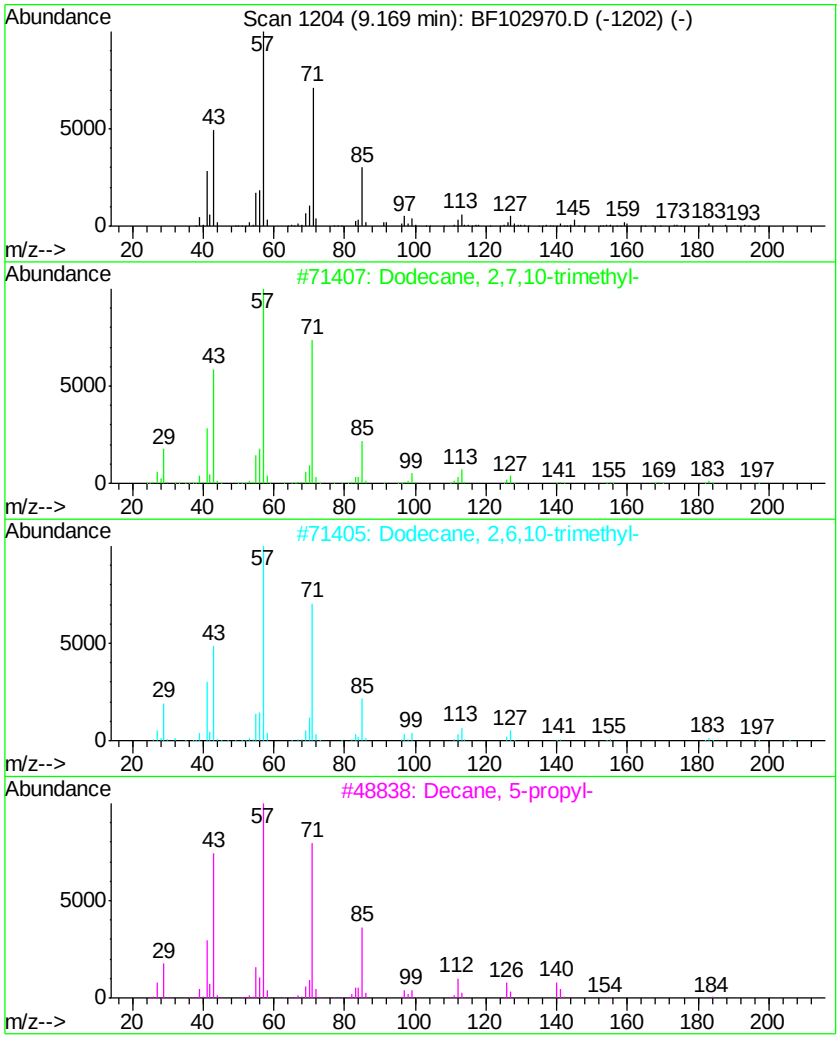
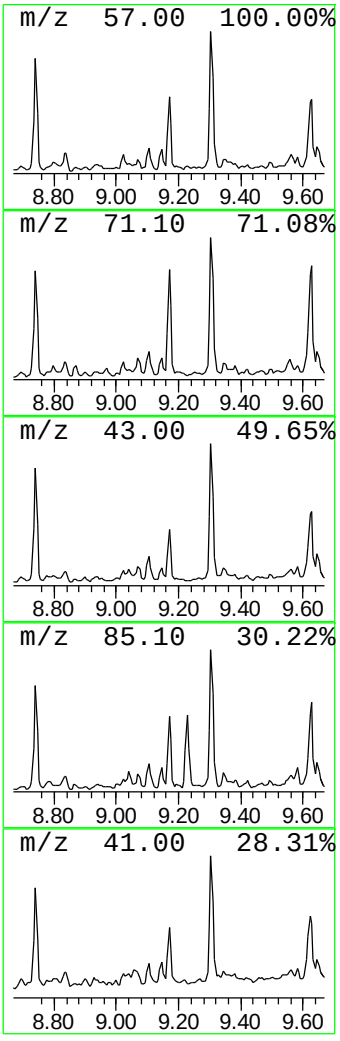
Peak Number 4 Dodecane, 2,7,10-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.17	9.21 ng	531317	Acenaphthene-d10	9.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	72
3	Decane, 5-propyl-	184	C13H28	017312-62-8	64
4	Dodecane	170	C12H26	000112-40-3	64
5	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF021318\
Data File : BF102970.D
Acq On : 13 Feb 2018 19:07
Operator : SJ/JU
Sample : J1511-03 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MM-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

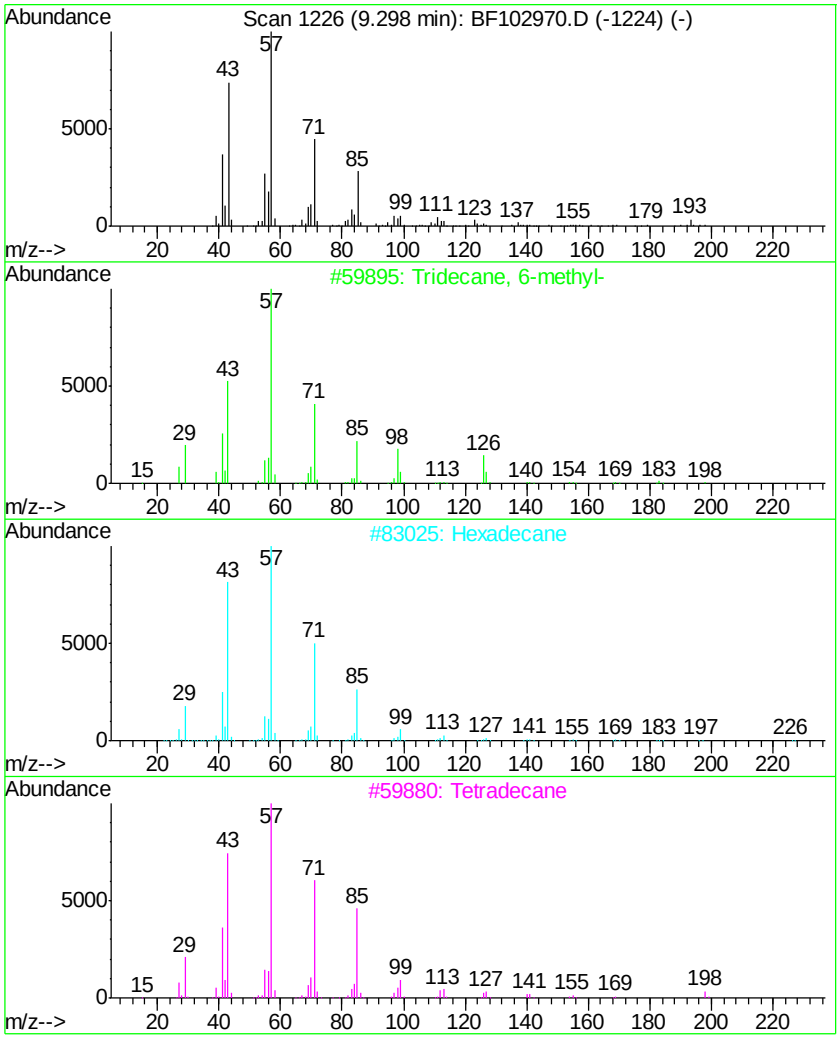
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

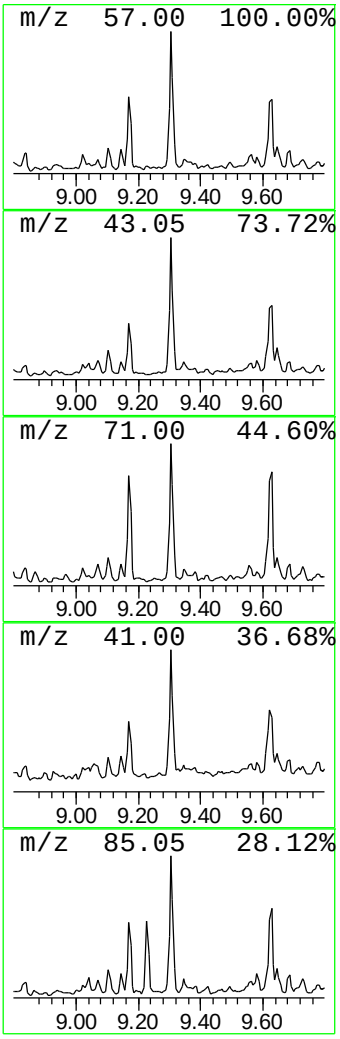
****

Peak Number 5 Tridecane, 6-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.30	19.22 ng	1109150	Acenaphthene-d10	9.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-methyl-	198	C14H30	013287-21-3	90
2	Hexadecane	226	C16H34	000544-76-3	90
3	Tetradecane	198	C14H30	000629-59-4	87
4	Octacosane	394	C28H58	000630-02-4	80
5	Dodecane	170	C12H26	000112-40-3	80





Data Path : Z:\HPCHEM1\BNA F\DATA\BF021318\
Data File : BF102970.D
Acq On : 13 Feb 2018 19:07
Operator : SJ/JU
Sample : J1511-03 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MM-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.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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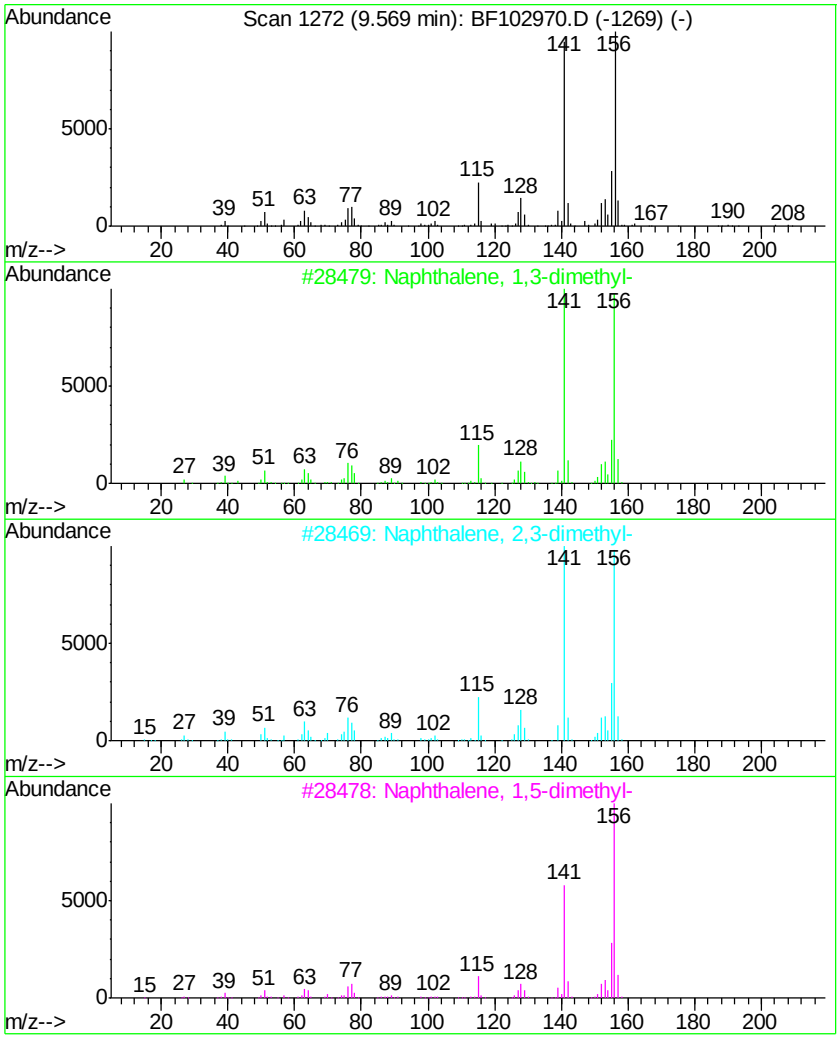
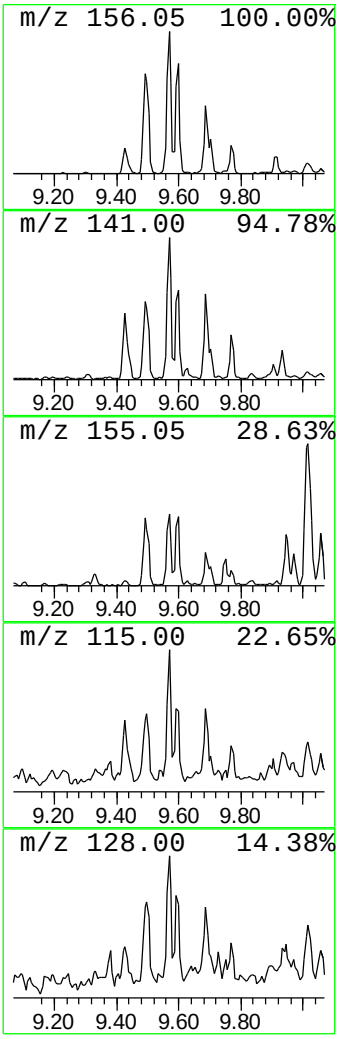
Peak Number 6 Naphthalene, 1,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	10.59 ng	610954	Acenaphthene-d10	9.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97





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Data File : BF102970.D
Acq On : 13 Feb 2018 19:07
Operator : SJ/JU
Sample : J1511-03 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MM-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.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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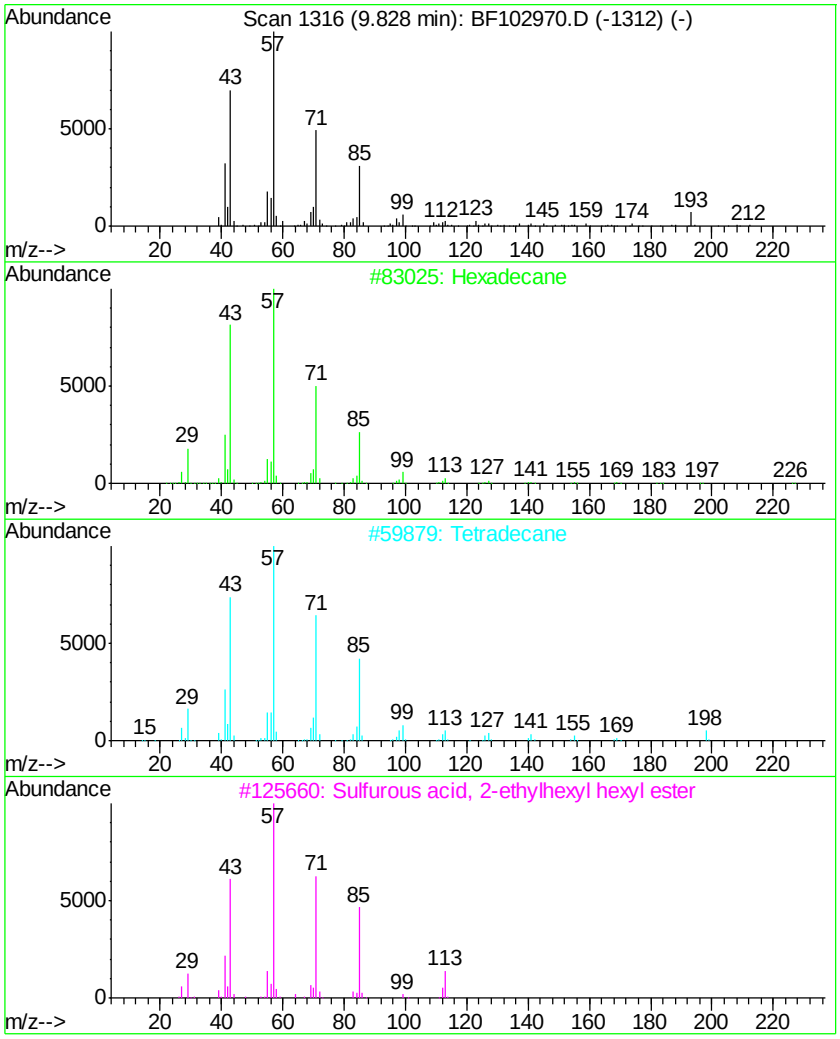
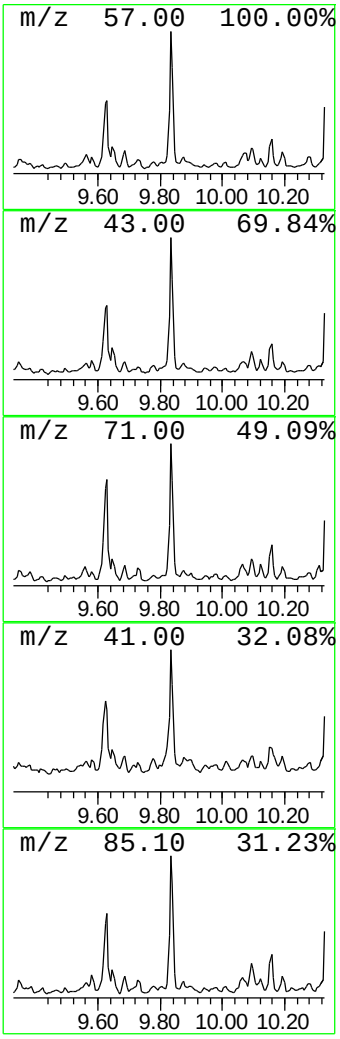
Peak Number 7 Hexadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.83	16.87 ng	973339	Acenaphthene-d10	9.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	87
2	Tetradecane	198	C14H30	000629-59-4	80
3	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	80
4	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	64
5	Undecane, 6-ethyl-	184	C13H28	017312-60-6	64





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Instrument : BNA_F
ClientSampleId : MM-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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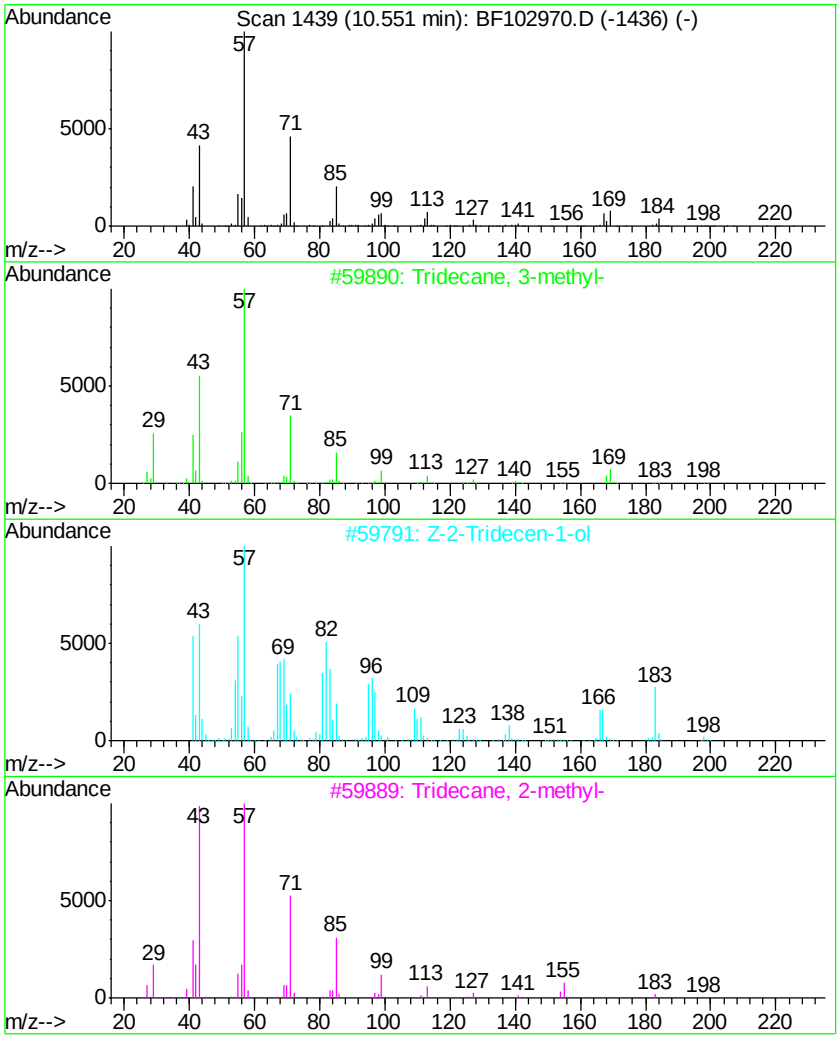
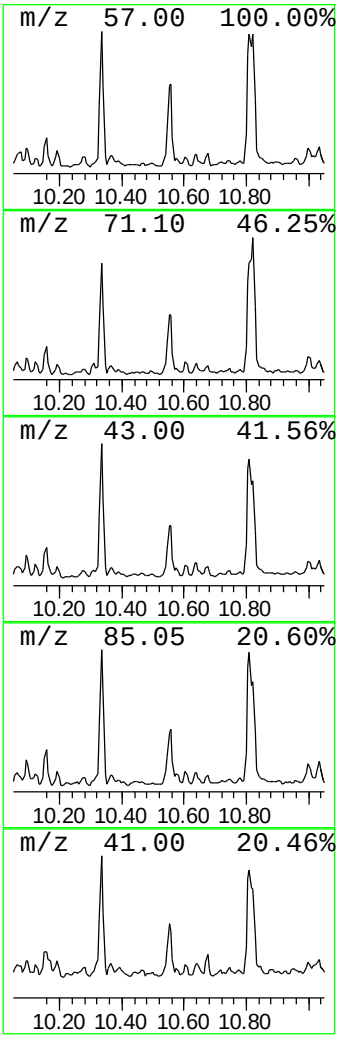
Peak Number 9 Tridecane, 3-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.55	14.27 ng	823087	Acenaphthene-d10	9.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 3-methyl-	198	C14H30	006418-41-3	74
2	Z-2-Tridecen-1-ol	198	C13H26O	1000130-75-8	70
3	Tridecane, 2-methyl-	198	C14H30	001560-96-9	58
4	Tridecane	184	C13H28	000629-50-5	53
5	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	53





Library Search Compound Report

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Data File : BF102970.D
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Operator : SJ/JU
Sample : J1511-03 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MM-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.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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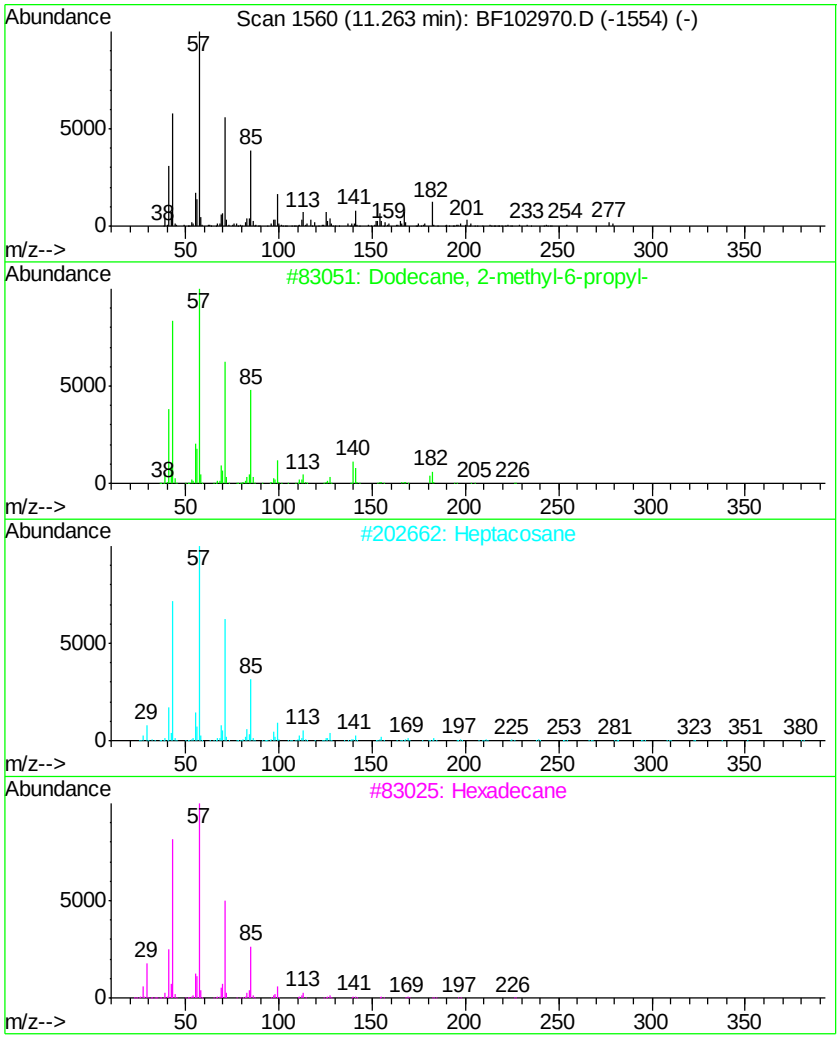
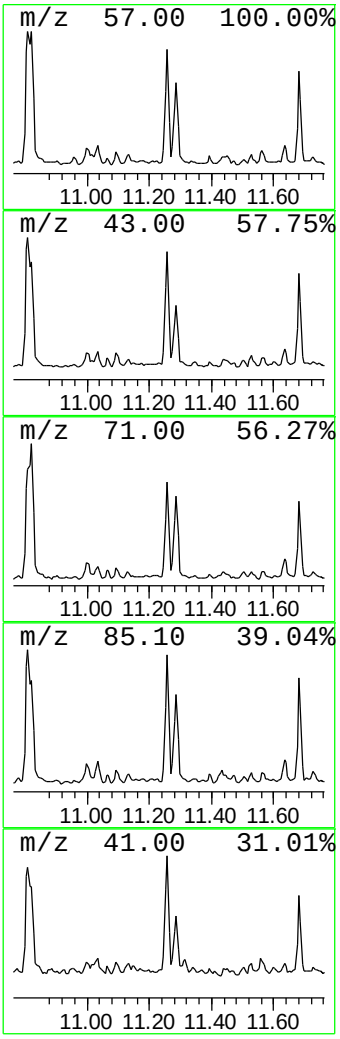
Peak Number 11 Dodecane, 2-methyl-6-propyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	21.60 ng	1017390	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	90
2	Heptacosane	380	C27H56	000593-49-7	80
3	Hexadecane	226	C16H34	000544-76-3	76
4	Eicosane	282	C20H42	000112-95-8	72
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	68





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MM-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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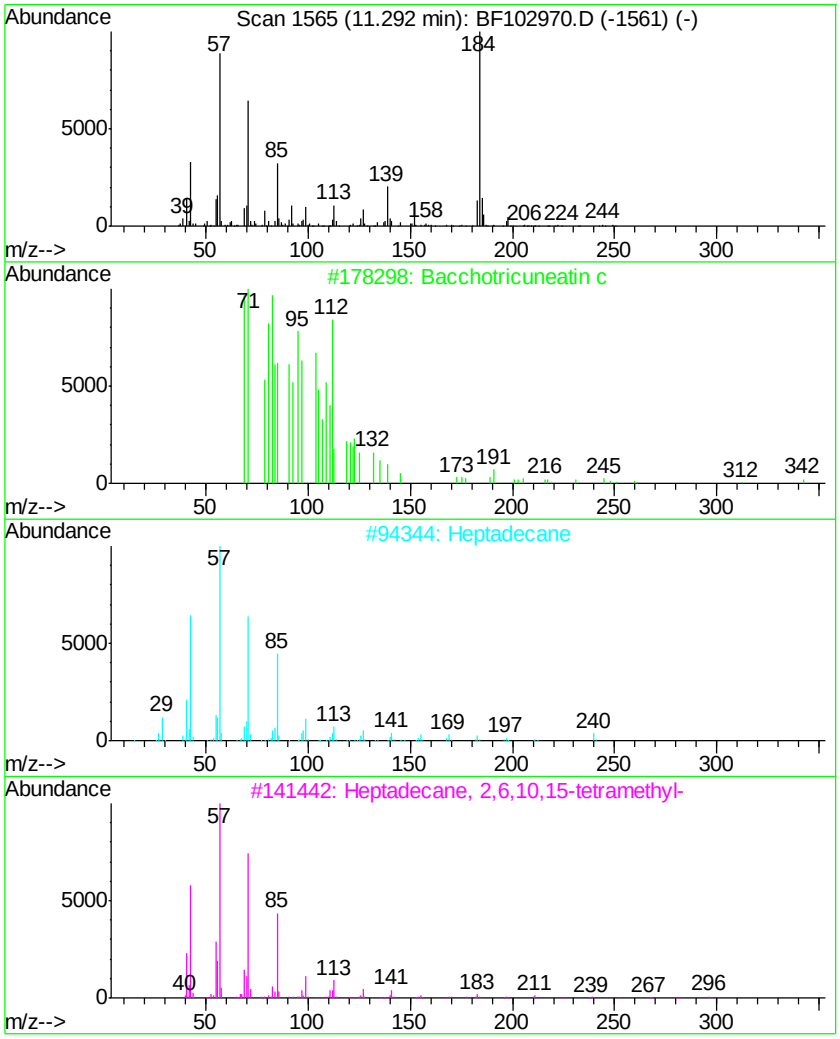
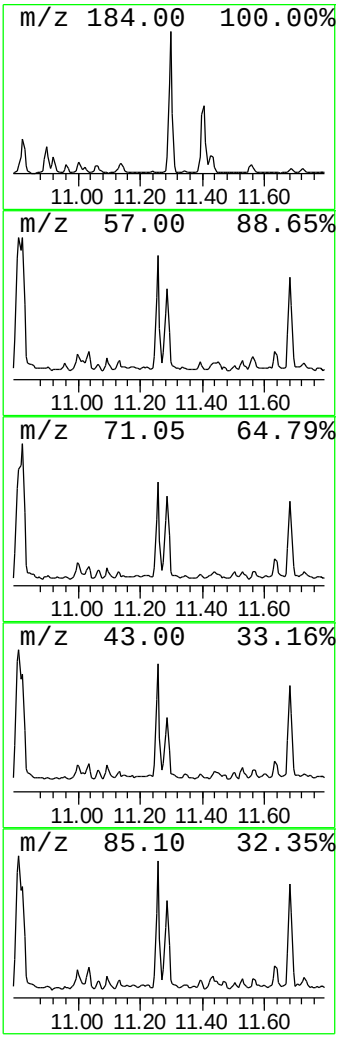
Peak Number 12 Bacchotricuneatin c Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	20.16 ng	949309	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bacchotricuneatin c	342	C20H22O5	066563-30-2	96
2	Heptadecane	240	C17H36	000629-78-7	86
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
5	Heptacosane	380	C27H56	000593-49-7	78





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Acq On : 13 Feb 2018 19:07
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Sample : J1511-03 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MM-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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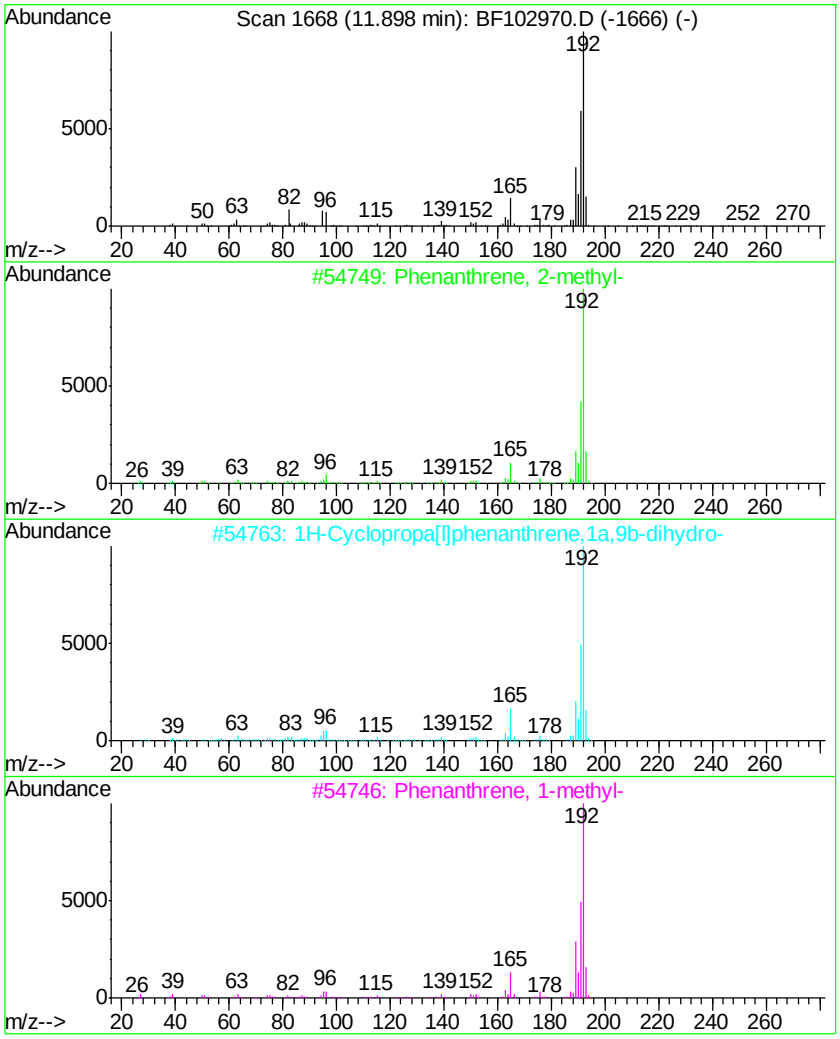
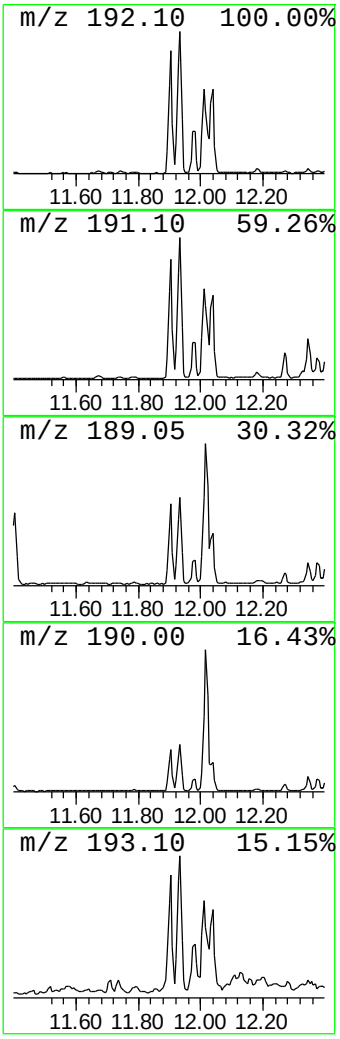
Peak Number 14 Phenanthrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	11.46 ng	539611	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91





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Sample : J1511-03 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MM-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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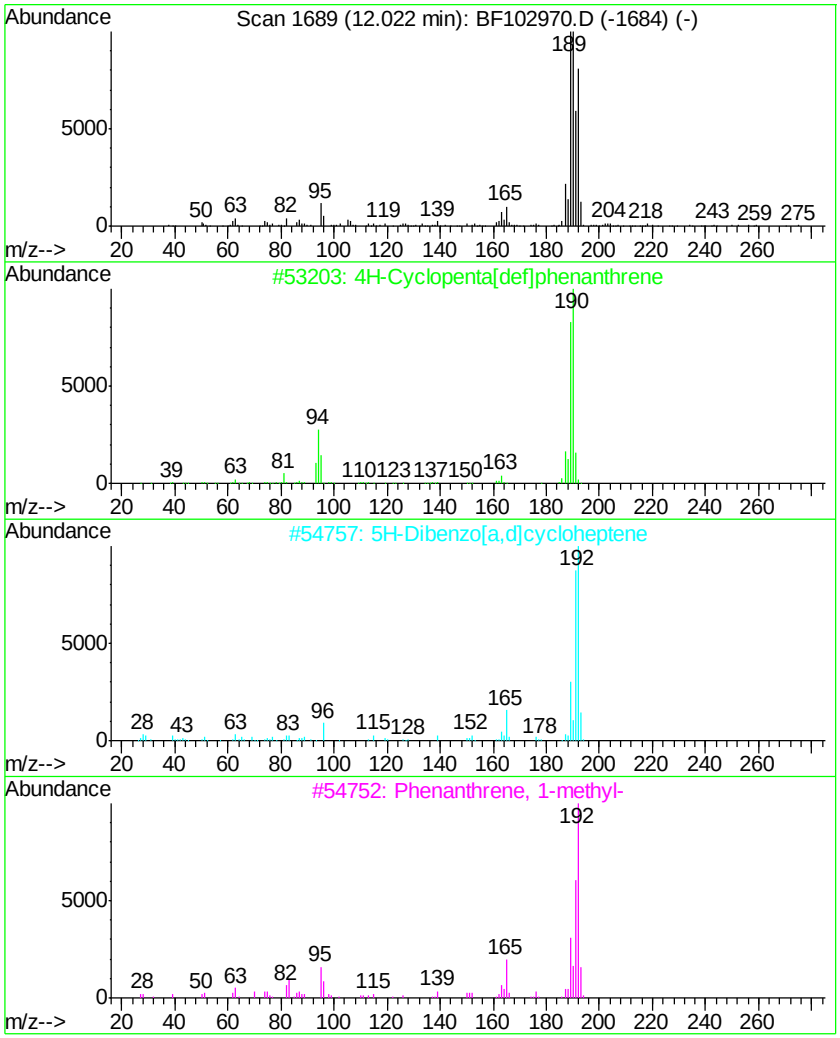
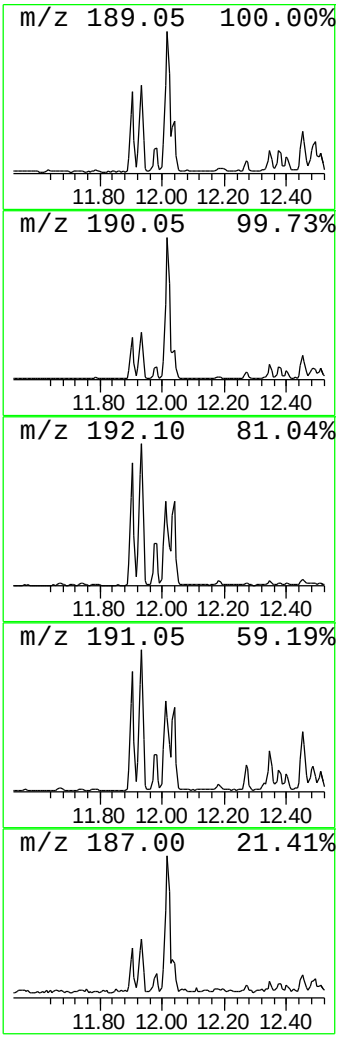
Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	15.70 ng	739603	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38
4	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	35
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	35





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Sample : J1511-03 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MM-3

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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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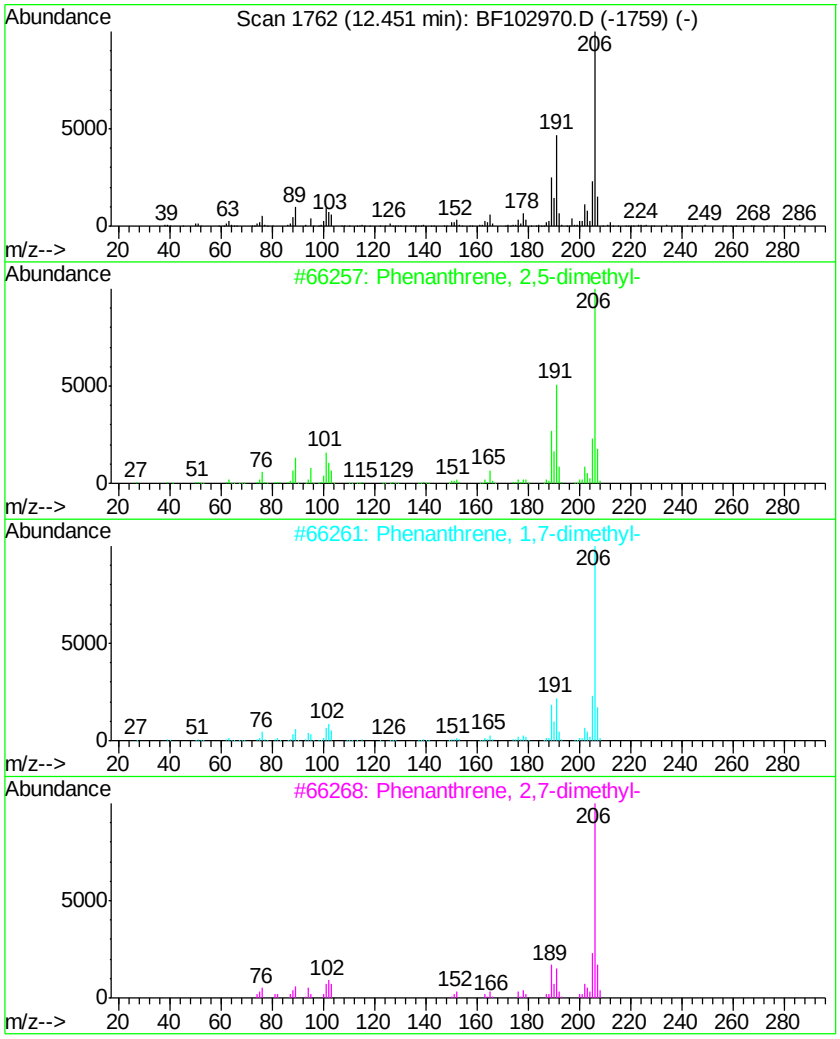
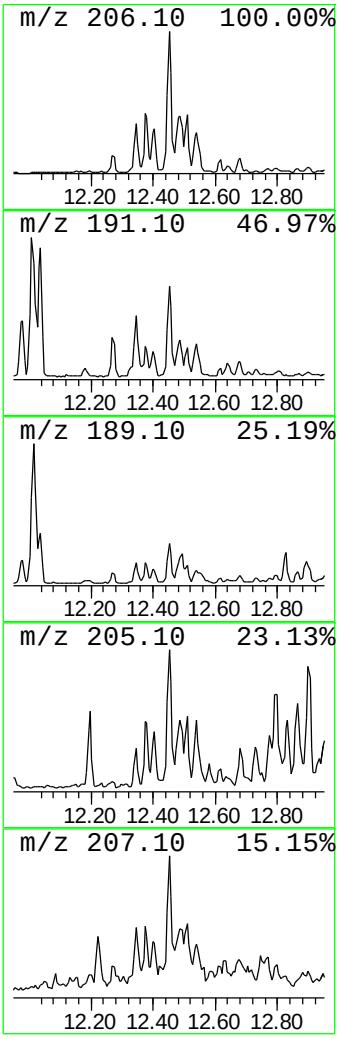
Peak Number 17 Phenanthrene, 2,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	8.24 ng	388235	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	92
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	83





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Operator : SJ/JU
Sample : J1511-03 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MM-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.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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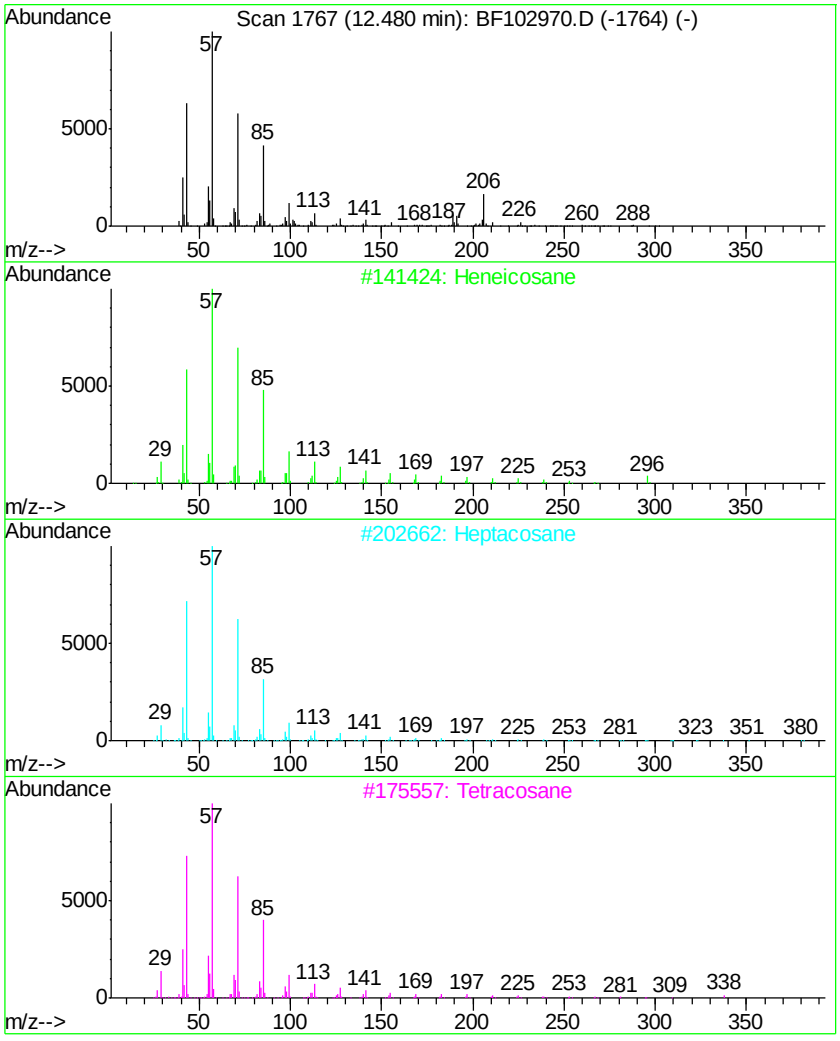
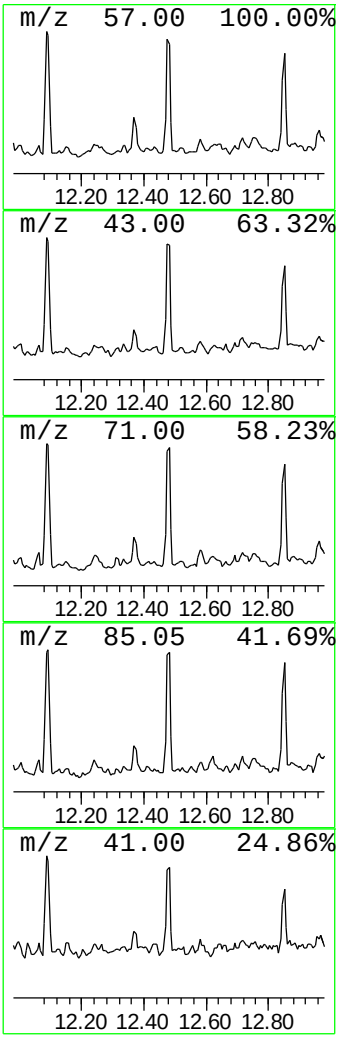
Peak Number 18 Heneicosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	15.05 ng	708685	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Heptacosane	380	C27H56	000593-49-7	87
3	Tetracosane	338	C24H50	000646-31-1	83
4	Hexadecane	226	C16H34	000544-76-3	83
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80





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Sample : J1511-03 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MM-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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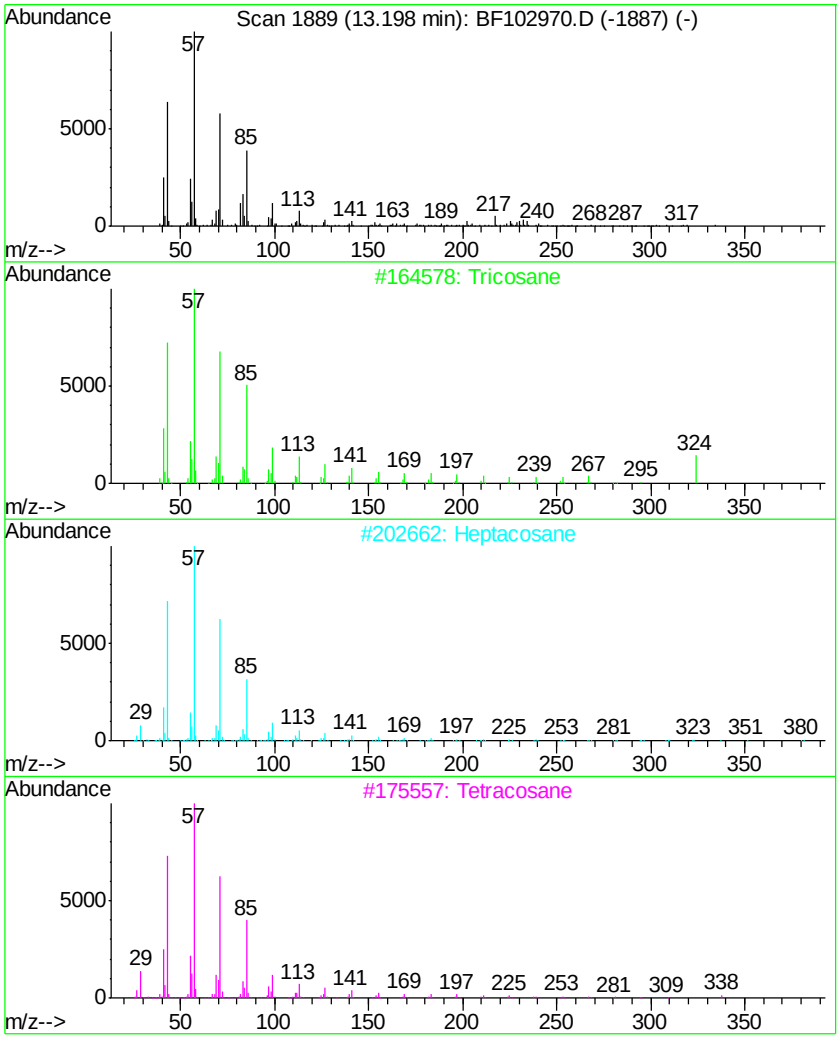
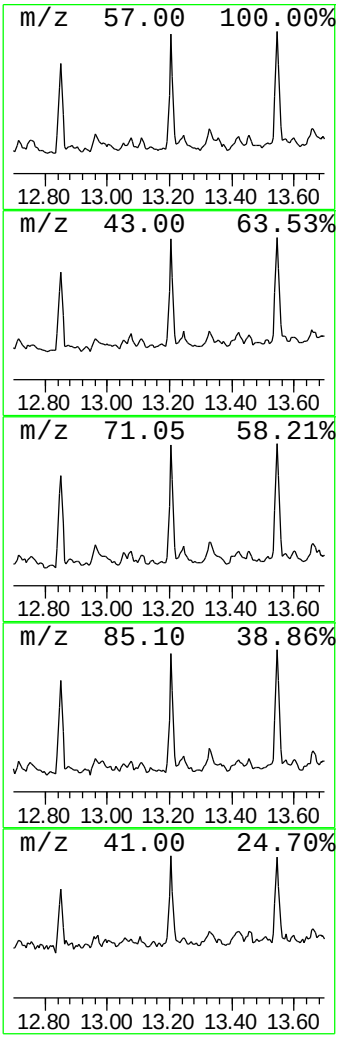
Peak Number 19 Tricosane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	7.92 ng	573276	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricosane	324	C23H48	000638-67-5	93
2	Heptacosane	380	C27H56	000593-49-7	91
3	Tetracosane	338	C24H50	000646-31-1	91
4	Pentacosane	352	C25H52	000629-99-2	90
5	Docosane	310	C22H46	000629-97-0	90





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Operator : SJ/JU
Sample : J1511-03 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MM-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.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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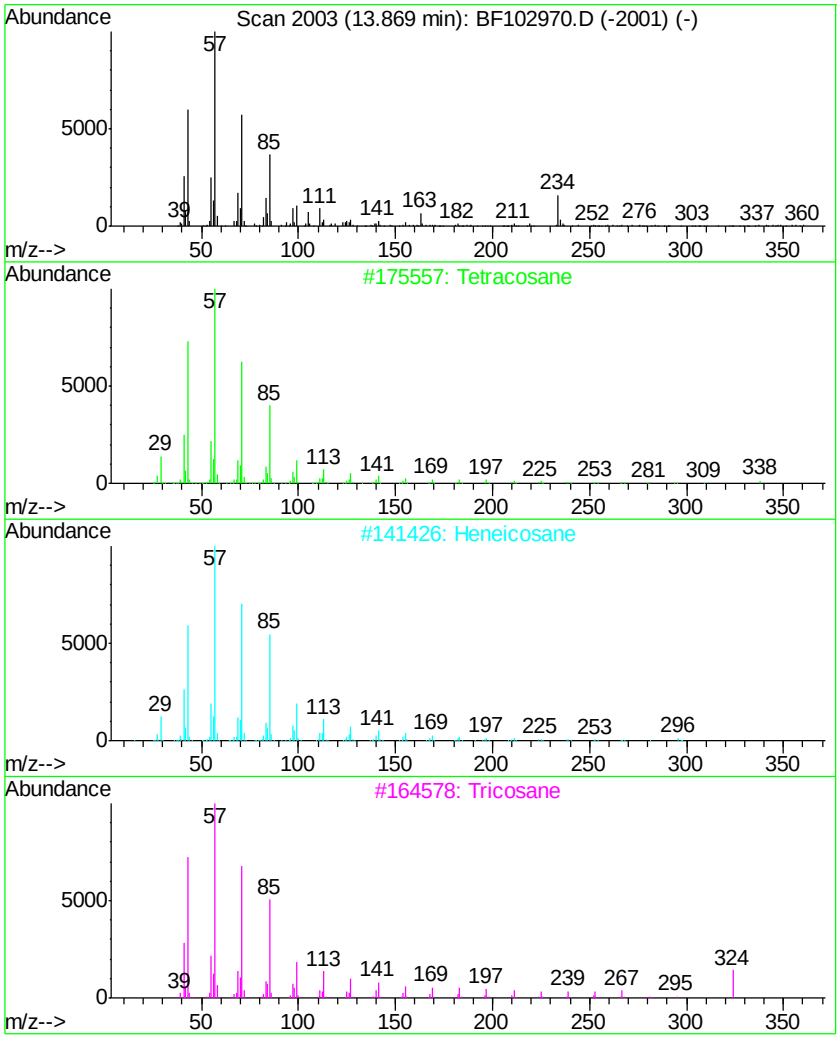
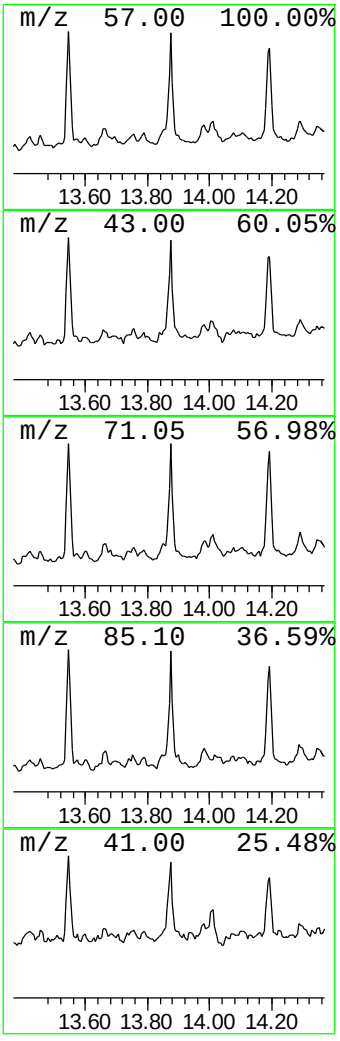
Peak Number 20 Tetracosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	10.98 ng	795215	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	87
2	Heneicosane	296	C21H44	000629-94-7	86
3	Tricosane	324	C23H48	000638-67-5	81
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80
5	Heptacosane	380	C27H56	000593-49-7	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021318\
Data File : BF102970.D
Acq On : 13 Feb 2018 19:07
Operator : SJ/JU
Sample : J1511-03 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MM-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.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
unknown6.64	6.64	34.5	ng	1683530	1	6.87	974584	20.0
Nonane, 5-butyl-	8.74	10.1	ng	685198	2	8.16	1350970	20.0
Dodecane, 2,7,10-...	9.17	9.2	ng	531317	3	9.91	1153920	20.0
Tridecane, 6-methyl-	9.30	19.2	ng	1109150	3	9.91	1153920	20.0
Naphthalene, 1,3-...	9.57	10.6	ng	610954	3	9.91	1153920	20.0
Hexadecane	9.83	16.9	ng	973339	3	9.91	1153920	20.0
Tridecane, 3-methyl-	10.55	14.3	ng	823087	3	9.91	1153920	20.0
Dodecane, 2-methy...	11.26	21.6	ng	1017390	4	11.40	941934	20.0
Bacchotricuneatin c	11.29	20.2	ng	949309	4	11.40	941934	20.0
Phenanthrene, 2-m...	11.90	11.5	ng	539611	4	11.40	941934	20.0
4H-Cyclopenta[def...	12.02	15.7	ng	739603	4	11.40	941934	20.0
Phenanthrene, 2,5...	12.45	8.2	ng	388235	4	11.40	941934	20.0
Heneicosane	12.48	15.1	ng	708685	4	11.40	941934	20.0
Tricosane	13.20	7.9	ng	573276	5	14.05	1448340	20.0
Tetracosane	13.87	11.0	ng	795215	5	14.05	1448340	20.0