LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061818\
Data File : BF106539.D
Acq On : 18 Jun 2018 15:33
Operator : JU/SJ
Sample : J3551-04 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-SOIL

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-BF061118.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	5.613	553	557	569	rVB	360594	350240	9.09%	0.592%
2	6.607	722	726	735	rBV	378679	365431	9.48%	0.618%
3	6.742	745	749	752	rBV	447595	371417	9.64%	0.628%
4	6.966	783	787	790	rBV	838363	684233	17.75%	1.157%
5	7.119	808	813	819	rBV	382301	318638	8.27%	0.539%
6	7.478	871	874	878	rBV	159616	129976	3.37%	0.220%
7	7.519	878	881	884	rBV	280381	249515	6.47%	0.422%
8	8.042	967	970	974	rVB	99682	95555	2.48%	0.162%
9	8.248	1001	1005	1008	rBV	1070467	873078	22.65%	1.476%
10	8.325	1013	1018	1022	rVB3	71598	98102	2.55%	0.166%
11	8.748	1087	1090	1093	rBV	423936	382374	9.92%	0.647%
12	8.913	1114	1118	1122	rBV3	182446	261324	6.78%	0.442%
13	8.995	1129	1132	1136	rVB2	145782	167689	4.35%	0.284%
14	9.083	1143	1147	1152	rBV5	154914	281590	7.31%	0.476%
15	9.160	1156	1160	1163	rBV2	294666	380108	9.86%	0.643%
16	9.213	1166	1169	1172	rVB	461693	413255	10.72%	0.699%
17	9.254	1172	1176	1179	rBV	322576	411864	10.69%	0.696%
18	9.283	1179	1181	1184	rVB2	308673	259584	6.74%	0.439%
19	9.319	1184	1187	1190	rBV	639567	667727	17.33%	1.129%
20	9.354	1190	1193	1196	rBV2	239287	211082	5.48%	0.357%
21	9.460	1209	1211	1216	rBV2	216049	285266	7.40%	0.482%
22	9.507	1216	1219	1222	rVV2	1153382	1274953	33.08%	2.156%
23	9.554	1225	1227	1230	rVV2	343456	324005	8.41%	0.548%
24	9.577	1230	1231	1234	rVB	180817	131762	3.42%	0.223%
25	9.630	1238	1240	1244	rVB2	149935	139953	3.63%	0.237%
26	9.666	1244	1246	1252	rVB4	144464	164235	4.26%	0.278%
27	9.713	1252	1254	1256	rBV	212566	148146	3.84%	0.251%
28	9.742	1256	1259	1265	rVB4	224390	330485	8.58%	0.559%
29	9.801	1266	1269	1271	rBV2	132018	171938	4.46%	0.291%
30	9.924	1287	1290	1293	rBV2	71803	91175	2.37%	0.154%
31	9.960	1293	1296	1300	rBV	831436	690505	17.92%	1.168%
32	10.007	1300	1304	1307	rBV3	1261756	1265134	32.83%	2.139%
33	10.072	1312	1315	1317	rBV	301754	225860	5.86%	0.382%
34	10.095	1317	1319	1321	rBV2	148459	129411	3.36%	0.219%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061818\
Data File : BF106539.D
Acq On : 18 Jun 2018 15:33
Operator : JU/SJ
Sample : J3551-04 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-SOIL

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-BF061118.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.183	1332	1334	1336	rVV3	134866	128985	3.35%	0.218%
36	10.236	1339	1343	1345	rVB4	116726	132136	3.43%	0.223%
37	10.266	1345	1348	1350	rBV2	84828	99024	2.57%	0.167%
38	10.383	1366	1368	1370	rVB2	114457	93843	2.44%	0.159%
39	10.413	1370	1373	1375	rBV2	253828	250198	6.49%	0.423%
40	10.477	1380	1384	1389	rVB2	873474	918212	23.83%	1.553%
41	10.530	1390	1393	1395	rBV	511301	497187	12.90%	0.841%
42	10.589	1401	1403	1405	rBV2	150276	142630	3.70%	0.241%
43	10.613	1405	1407	1411	rVB3	171459	184908	4.80%	0.313%
44	10.648	1411	1413	1415	rBV2	221966	212076	5.50%	0.359%
45	10.701	1419	1422	1424	rBV2	171023	150306	3.90%	0.254%
46	10.730	1424	1427	1431	rVB2	316130	483458	12.54%	0.818%
47	10.766	1431	1433	1434	rBV2	154214	129688	3.37%	0.219%
48	10.860	1446	1449	1450	rBV	370141	366440	9.51%	0.620%
49	10.883	1450	1453	1455	rVB	658605	604677	15.69%	1.023%
50	10.971	1465	1468	1470	rBV2	332096	384408	9.97%	0.650%
51	11.054	1479	1482	1484	rBV	744580	595700	15.46%	1.007%
52	11.077	1484	1486	1488	rVB	261256	177483	4.61%	0.300%
53	11.142	1494	1497	1501	rVB	1871258	1626182	42.20%	2.750%
54	11.177	1501	1503	1506	rBV	579812	459633	11.93%	0.777%
55	11.207	1506	1508	1513	rBV3	265650	378546	9.82%	0.640%
56	11.254	1513	1516	1518	rVB	457378	317749	8.24%	0.537%
57	11.383	1535	1538	1543	rBV4	363642	486542	12.62%	0.823%
58	11.430	1543	1546	1550	rBV	1539189	1625999	42.19%	2.750%
59	11.495	1553	1557	1560	rBV2	1680200	2323002	60.28%	3.928%
60	11.524	1560	1562	1567	rVB3	1634506	1859657	48.25%	3.145%
61	11.571	1567	1570	1571	rBV	693426	724301	18.79%	1.225%
62	11.583	1571	1572	1574	rVB	804227	556898	14.45%	0.942%
63	11.642	1580	1582	1584	rVB	340190	235711	6.12%	0.399%
64	11.666	1584	1586	1589	rBV	480731	536757	13.93%	0.908%
65	11.701	1589	1592	1597	rBV3	1575393	1944781	50.46%	3.289%
66	11.801	1604	1609	1612	rBV	890410	1394505	36.18%	2.358%
67	11.877	1618	1622	1625	rBV2	2498704	2947993	76.49%	4.985%
68	11.907	1625	1627	1631	rVB3	982597	1370738	35.57%	2.318%
69	11.948	1631	1634	1637	rBV2	1505614	1474829	38.27%	2.494%
70	12.013	1642	1645	1647	rVV	1174773	1149673	29.83%	1.944%
71	12.036	1647	1649	1652	rVB2	395466	349187	9.06%	0.591%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061818\
Data File : BF106539.D
Acq On : 18 Jun 2018 15:33
Operator : JU/SJ
Sample : J3551-04 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-SOIL

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-BF061118.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.124	1662	1664	1667	rBV	1470847	1314638	34.11%	2.223%
73	12.177	1671	1673	1677	rVB2	368175	325305	8.44%	0.550%
74	12.301	1690	1694	1699	rBV	2877060	3853916	100.00%	6.517%
75	12.354	1701	1703	1706	rVB2	364316	307353	7.98%	0.520%
76	12.524	1727	1732	1736	rBV3	1044586	1502393	38.98%	2.541%
77	12.560	1736	1738	1741	rVB2	357657	339958	8.82%	0.575%
78	12.695	1758	1761	1763	rBV	551788	590482	15.32%	0.999%
79	12.865	1787	1790	1793	rBV2	855212	916720	23.79%	1.550%
80	12.912	1796	1798	1800	rBV2	346145	331440	8.60%	0.560%
81	13.083	1824	1827	1829	rVB2	493994	473248	12.28%	0.800%
82	13.395	1878	1880	1886	rBV6	261574	361108	9.37%	0.611%
83	13.518	1898	1901	1904	rBV4	362683	487180	12.64%	0.824%
84	13.730	1934	1937	1942	rVB2	533004	556287	14.43%	0.941%
85	13.818	1950	1952	1955	rVB2	348828	279518	7.25%	0.473%
86	14.001	1981	1983	1986	rBV3	268147	242310	6.29%	0.410%
87	14.048	1988	1991	1996	rVB4	571321	848408	22.01%	1.435%
88	14.089	1996	1998	2000	rBV3	258712	281955	7.32%	0.477%
89	14.165	2007	2011	2013	rBV2	597966	617460	16.02%	1.044%
90	14.318	2034	2037	2042	rVB5	370836	405188	10.51%	0.685%
91	14.371	2043	2046	2049	rBV3	371955	545043	14.14%	0.922%
92	14.501	2066	2068	2074	rVB3	509103	544640	14.13%	0.921%
93	14.559	2075	2078	2083	rVB4	298292	502657	13.04%	0.850%
94	14.689	2096	2100	2102	rBV2	489116	657137	17.05%	1.111%
95	14.877	2128	2132	2137	rBV4	438178	700761	18.18%	1.185%
96	15.006	2151	2154	2164	rVB4	423259	689019	17.88%	1.165%
97	15.177	2181	2183	2187	rVB2	225975	207388	5.38%	0.351%
98	15.218	2187	2190	2198	rVB3	338106	553081	14.35%	0.935%
99	15.718	2270	2275	2280	rVB	584744	843453	21.89%	1.426%
100	16.206	2354	2358	2365	rVB	118525	195965	5.08%	0.331%

Sum of corrected areas: 59133663

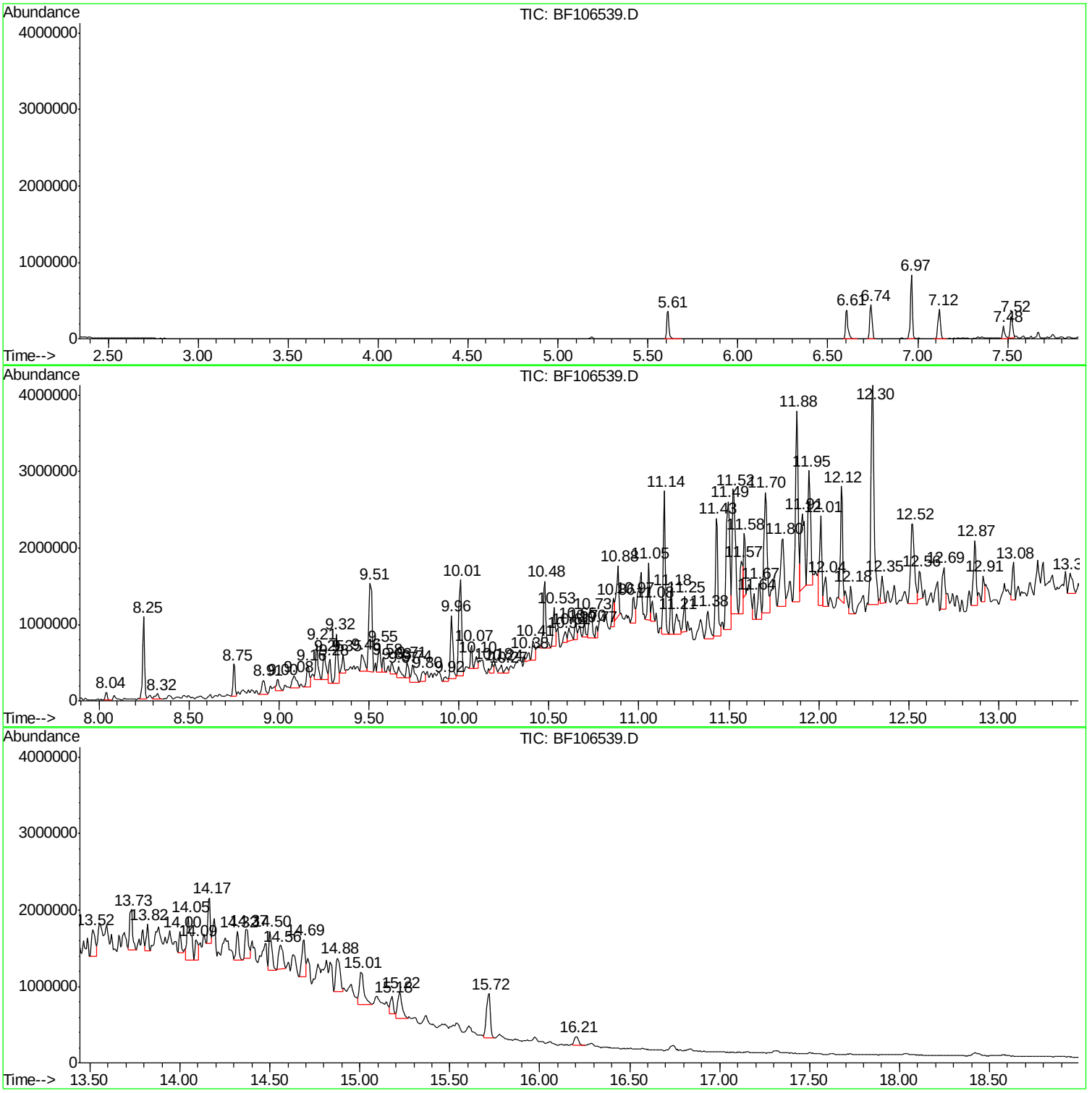
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061818\
Data File : BF106539.D
Acq On : 18 Jun 2018 15:33
Operator : JU/SJ
Sample : J3551-04 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061818\
Data File : BF106539.D
Acq On : 18 Jun 2018 15:33
Operator : JU/SJ
Sample : J3551-04 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

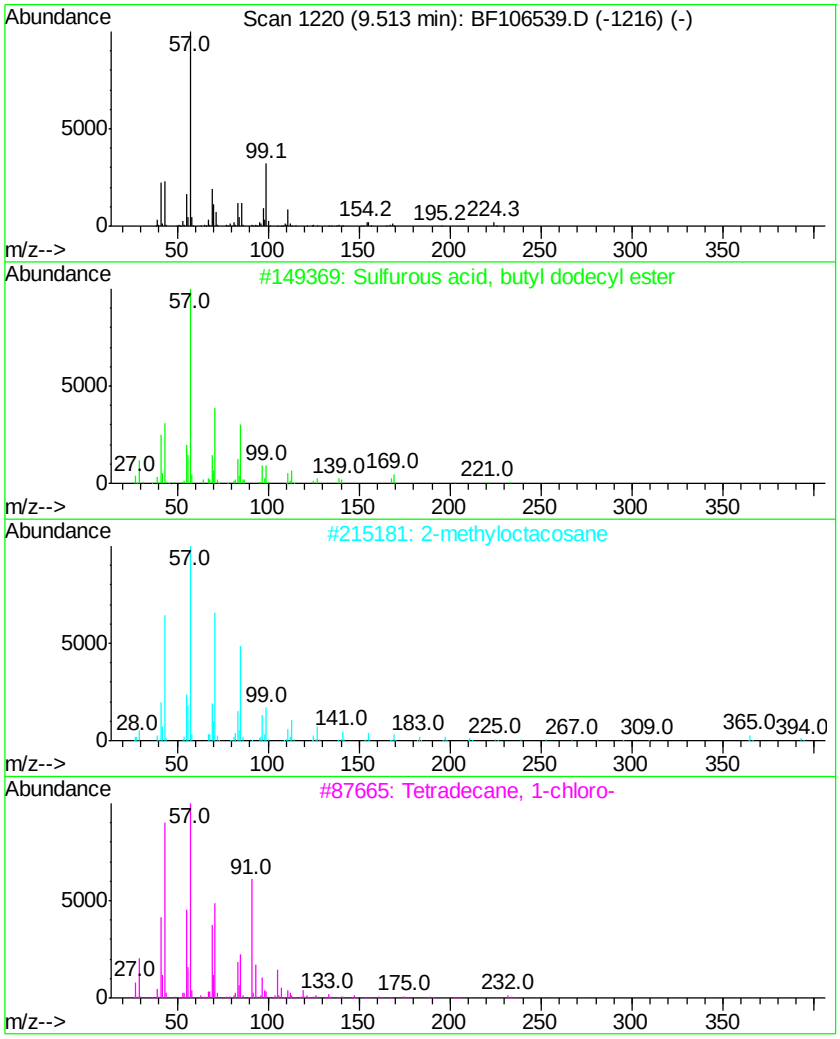
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

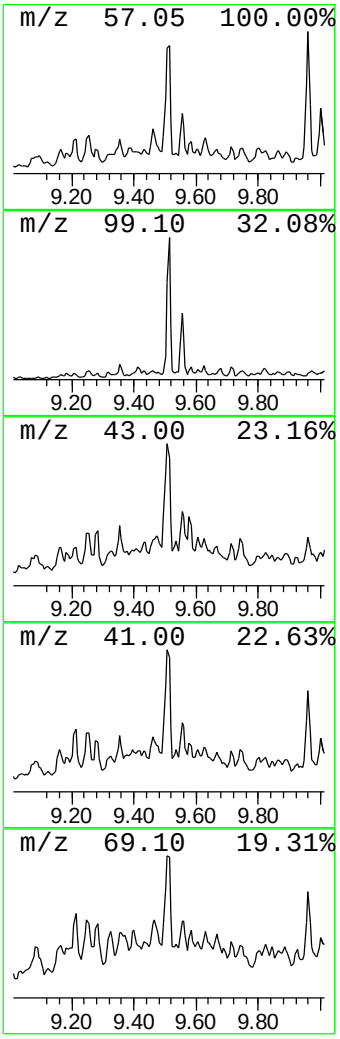
****

Peak Number 1 Sulfurous acid, butyl dodec... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.51	20.16 ng	1274950	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, butyl dodecyl ester	306	C16H34O3S	1000309-17-9	50
2	2-methyloctacosane	408	C29H60	1000376-72-8	45
3	Tetradecane, 1-chloro-	232	C14H29Cl	002425-54-9	40
4	Ethanol, 2-(dodecyloxy)-	230	C14H30O2	004536-30-5	40
5	Hexacosane	366	C26H54	000630-01-3	40





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061818\
Data File : BF106539.D
Acq On : 18 Jun 2018 15:33
Operator : JU/SJ
Sample : J3551-04 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

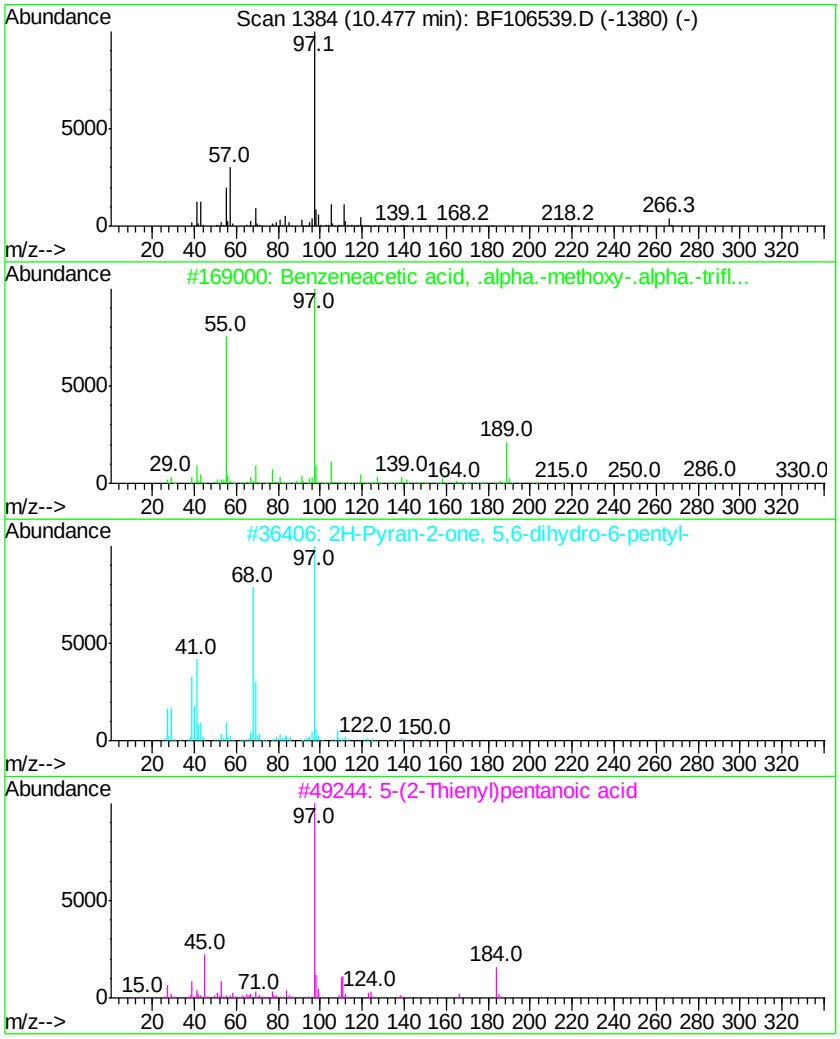
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

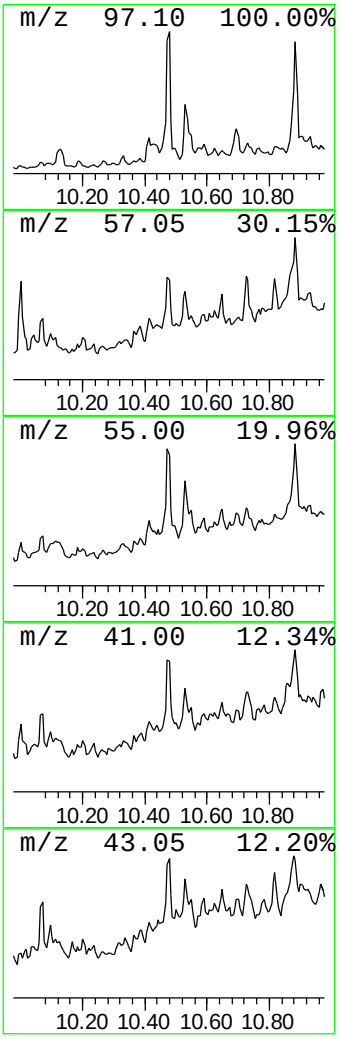
****

Peak Number 2 Benzeneacetic acid, .alpha.... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.48	14.52 ng	918212	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetic acid, .alpha.-meth...	330	C17H21F3O3	1000195-48-0	64
2	2H-Pyran-2-one, 5,6-dihydro-6-pe...	168	C10H16O2	054814-64-1	53
3	5-(2-Thienyl)pentanoic acid	184	C9H12O2S	021010-06-0	45
4	2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	45
5	1H-Pyrazole, 5-ethyl-4,5-dihydro...	126	C7H14N2	021981-22-6	45





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061818\
Data File : BF106539.D
Acq On : 18 Jun 2018 15:33
Operator : JU/SJ
Sample : J3551-04 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

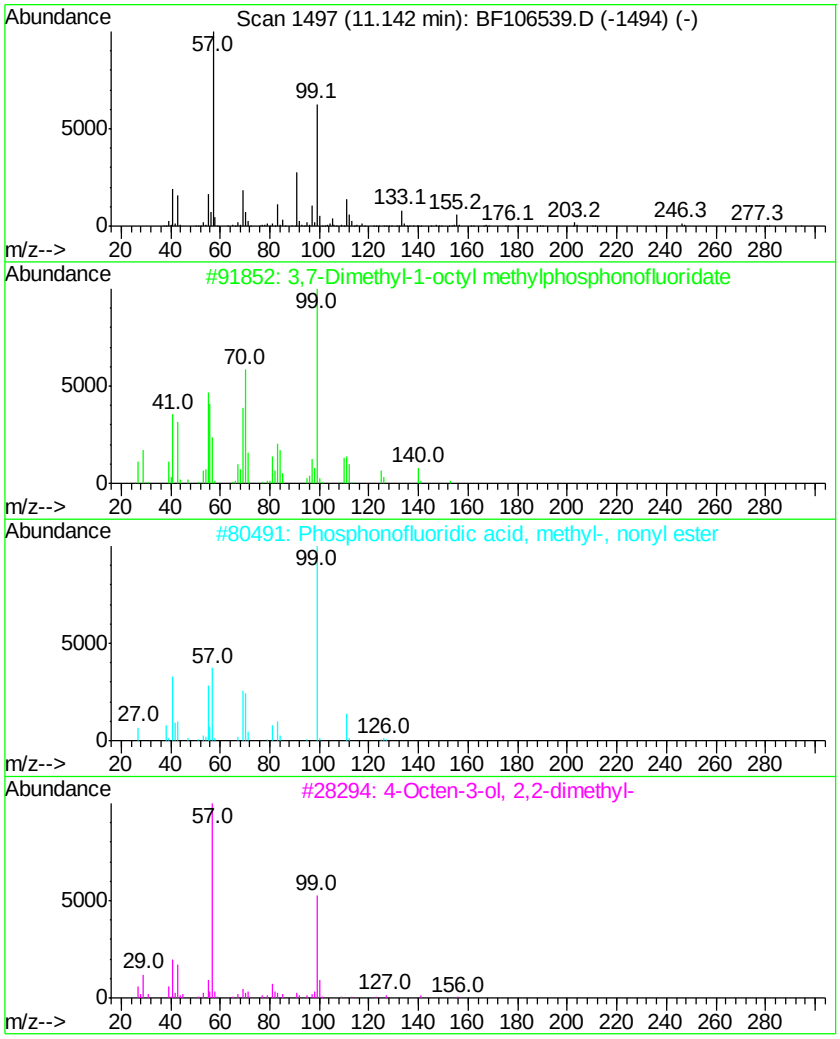
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

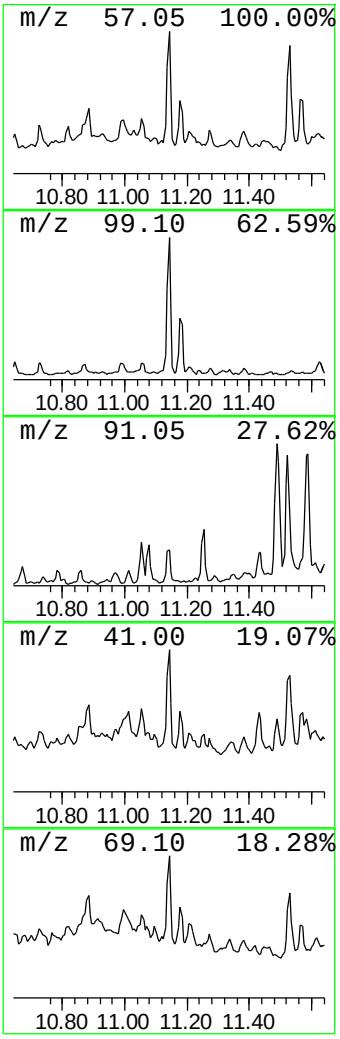
****

Peak Number 3 unknown11.14 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	14.00 ng	1626180	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,7-Dimethyl-1-octyl methylphosp...	238	C11H24FO2P	345260-82-4	40
2	Phosphonofluoridic acid, methyl-...	224	C10H22FO2P	211192-74-4	37
3	4-Octen-3-ol, 2,2-dimethyl-	156	C10H20O	053960-44-4	37
4	Heptane, 2-iodo-	226	C7H15I	018589-29-2	37
5	2(3H)-Furanone, 5-ethyldihydro-5...	128	C7H12O2	002865-82-9	35





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061818\
Data File : BF106539.D
Acq On : 18 Jun 2018 15:33
Operator : JU/SJ
Sample : J3551-04 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

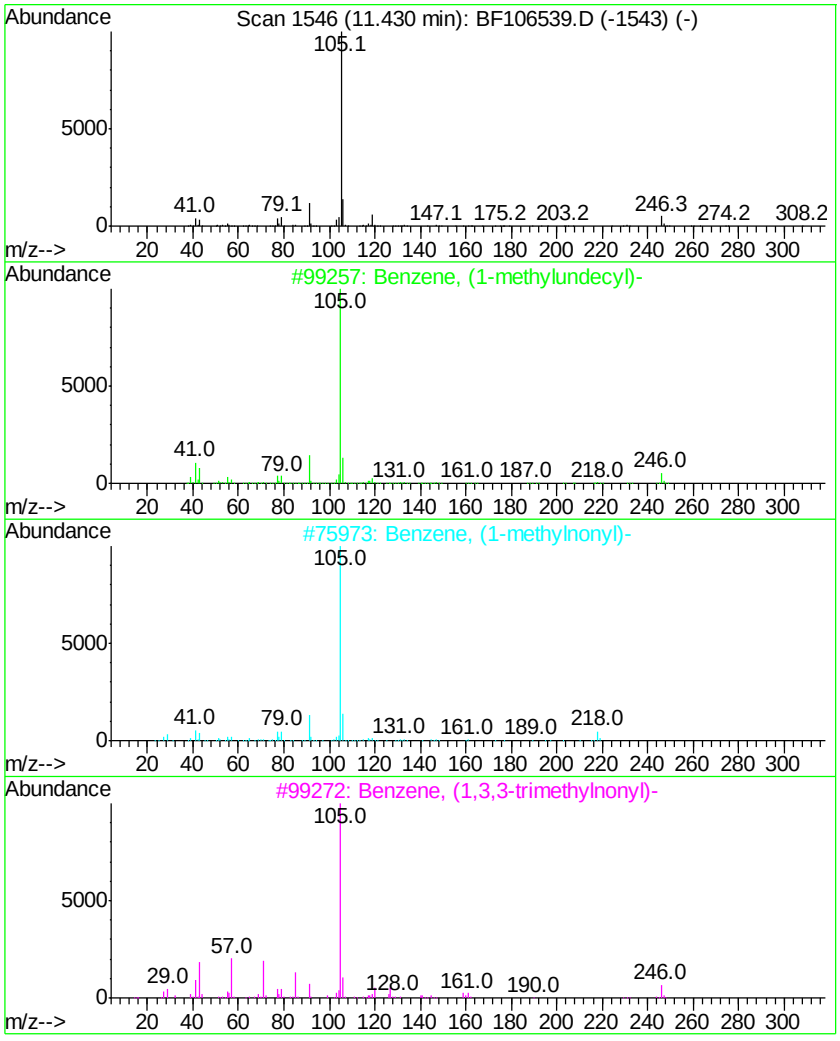
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

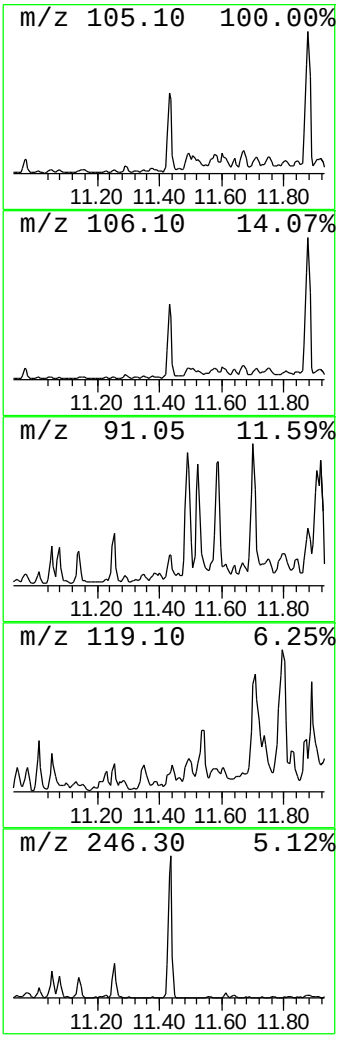
****

Peak Number 4 Benzene, (1-methylundecyl)- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	14.00 ng	1626000	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylundecyl)-	246	C18H30	002719-61-1	91
2	Benzene, (1-methylnonyl)-	218	C16H26	004537-13-7	64
3	Benzene, (1,3,3-trimethylnonyl)-	246	C18H30	054986-44-6	59
4	1-Hexene, 3-methyl-6-phenyl-4-(1...	294	C21H26O	1000194-52-4	53
5	Benzene, (1-methyldodecyl)-	260	C19H32	004534-53-6	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061818\
Data File : BF106539.D
Acq On : 18 Jun 2018 15:33
Operator : JU/SJ
Sample : J3551-04 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

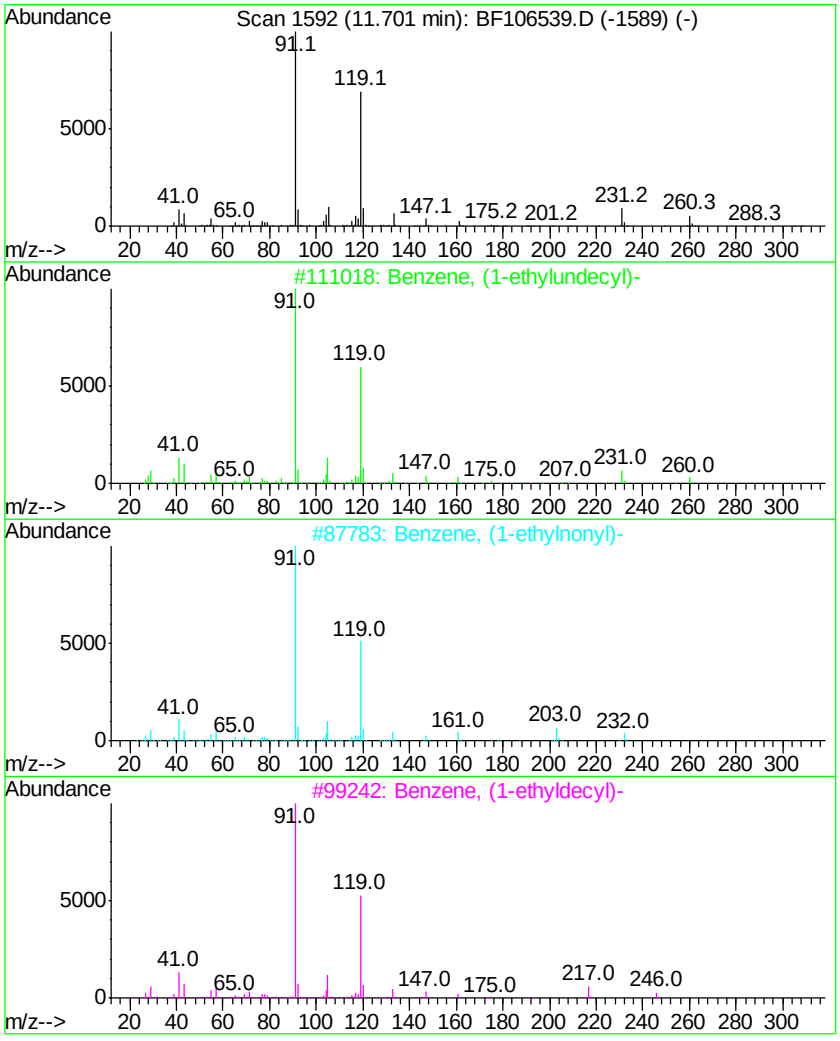
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

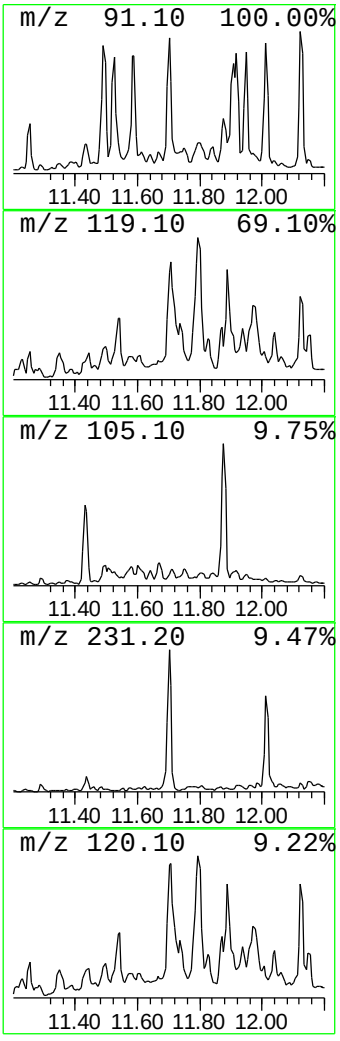
****

Peak Number 5 Benzene, (1-ethylundecyl)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	16.74 ng	1944780	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-ethylundecyl)-	260	C19H32	004534-52-5	94
2	Benzene, (1-ethylnonyl)-	232	C17H28	004536-87-2	64
3	Benzene, (1-ethyldecyl)-	246	C18H30	002400-00-2	64
4	Benzene, (1,1-dimethylnonyl)-	232	C17H28	055191-25-8	52
5	Benzene, (1-ethyloctyl)-	218	C16H26	004621-36-7	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061818\
Data File : BF106539.D
Acq On : 18 Jun 2018 15:33
Operator : JU/SJ
Sample : J3551-04 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

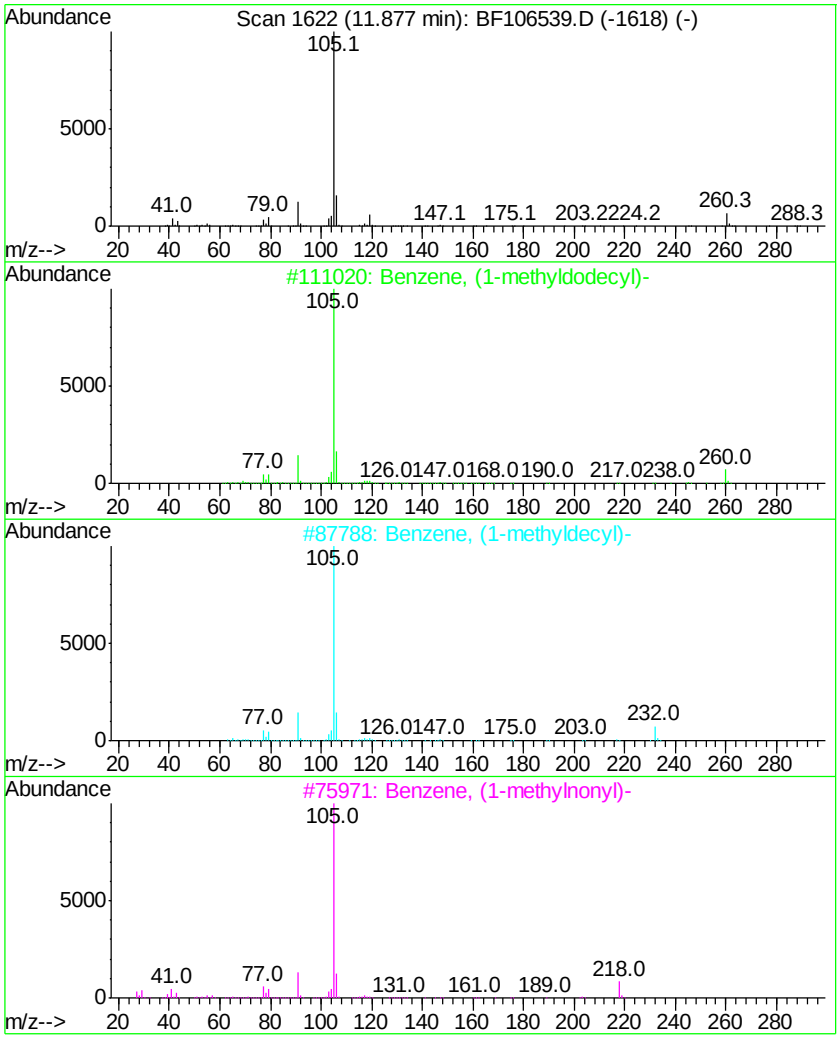
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

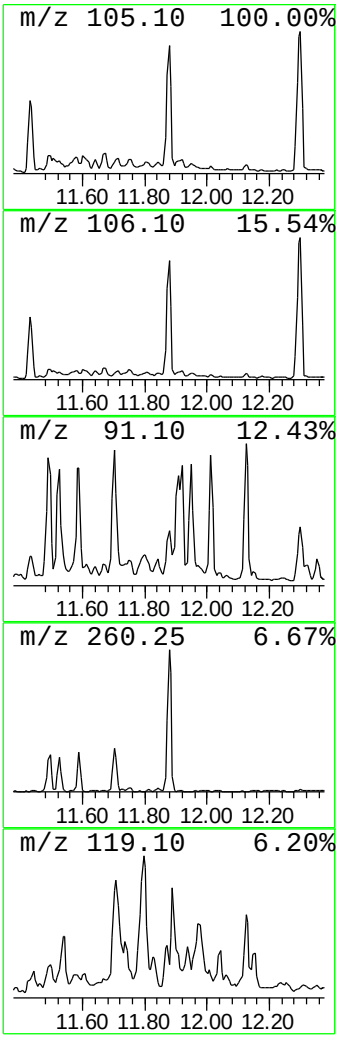
****

Peak Number 6 Benzene, (1-methyldodecyl)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	25.38 ng	2947990	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyldodecyl)-	260	C19H32	004534-53-6	91
2	Benzene, (1-methyldecyl)-	232	C17H28	004536-88-3	72
3	Benzene, (1-methylnonyl)-	218	C16H26	004537-13-7	64
4	Benzene, (1-methylundecyl)-	246	C18H30	002719-61-1	59
5	1-Hexene, 3-methyl-6-phenyl-4-(1...	294	C21H26O	1000194-52-4	47





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061818\
Data File : BF106539.D
Acq On : 18 Jun 2018 15:33
Operator : JU/SJ
Sample : J3551-04 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

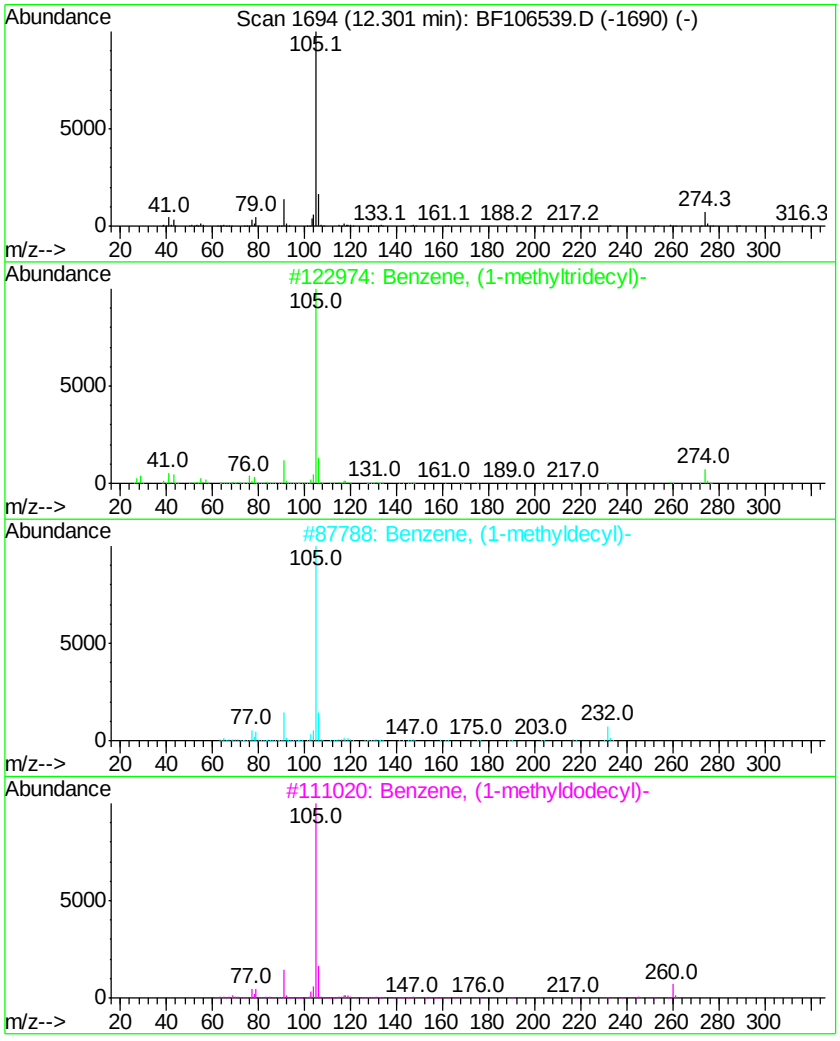
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

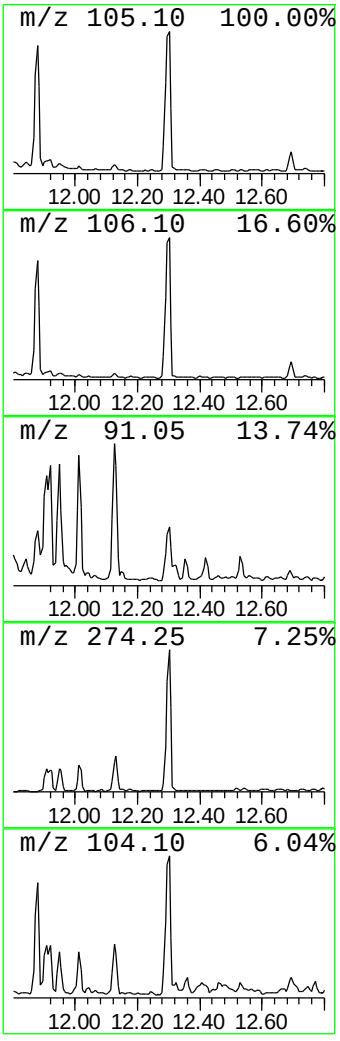
****

Peak Number 7 Benzene, (1-methyltridecyl)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	33.18 ng	3853920	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyltridecyl)-	274	C20H34	004534-59-2	87
2	Benzene, (1-methyldecyl)-	232	C17H28	004536-88-3	87
3	Benzene, (1-methyldodecyl)-	260	C19H32	004534-53-6	80
4	Benzene, (1-methylundecyl)-	246	C18H30	002719-61-1	64
5	Benzene, (1-methylnonyl)-	218	C16H26	004537-13-7	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061818\
Data File : BF106539.D
Acq On : 18 Jun 2018 15:33
Operator : JU/SJ
Sample : J3551-04 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

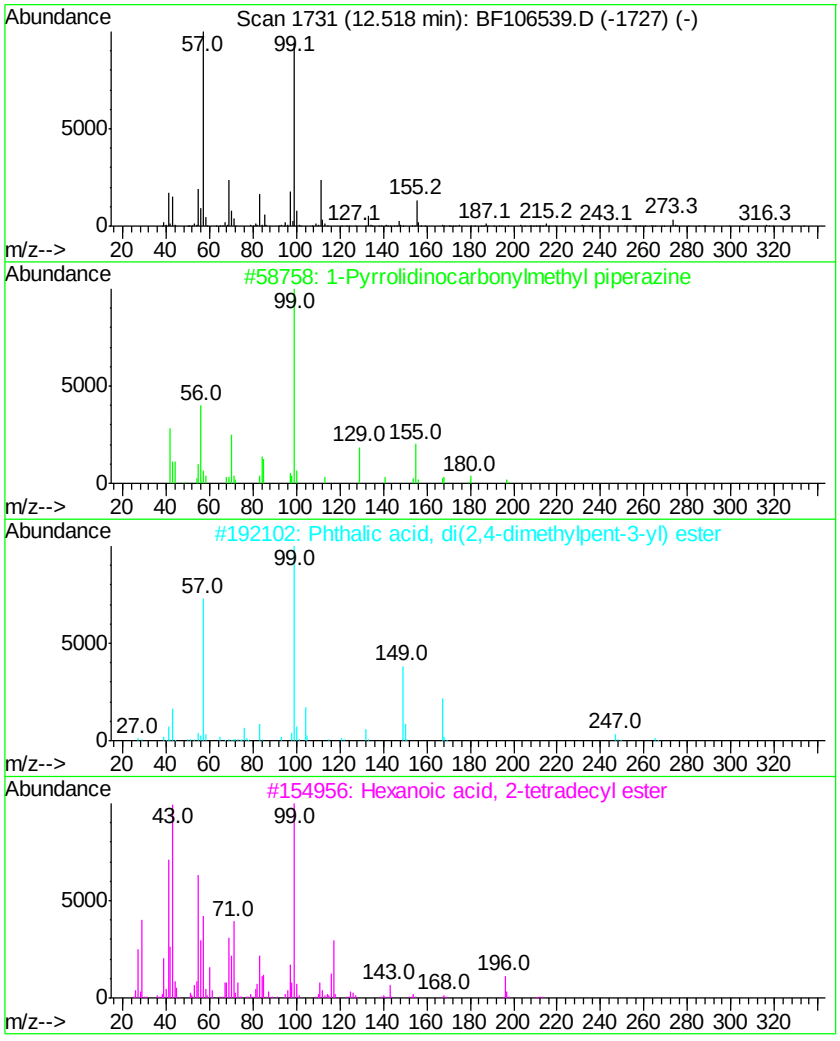
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

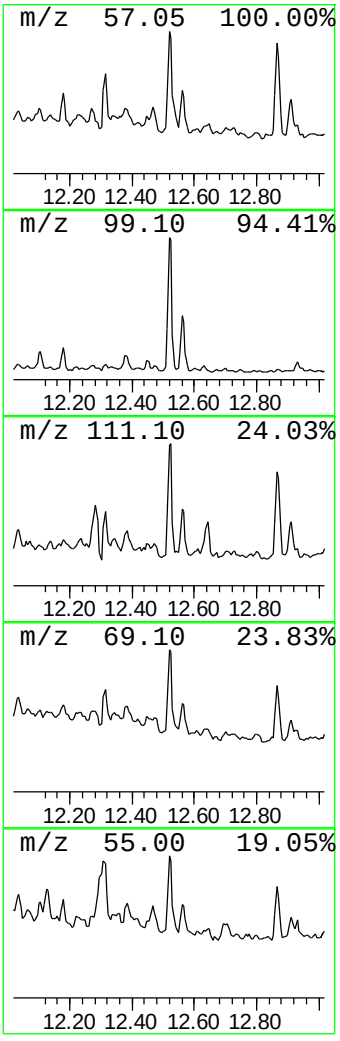
****

Peak Number 8 unknown12.52 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	12.93 ng	1502390	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pyrrolidinocarbonylmethyl pipe...	197	C10H19N3O	039890-45-4	47
2	Phthalic acid, di(2,4-dimethylpe...	362	C22H34O4	1000356-85-5	37
3	Hexanoic acid, 2-tetradecyl ester	312	C20H40O2	055193-21-0	25
4	2,2-Dimethyl-3-octanone	156	C10H20O	005340-64-7	16
5	Pentafluoropropionic acid, tetra...	360	C17H29F5O2	006222-06-6	10





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061818\
Data File : BF106539.D
Acq On : 18 Jun 2018 15:33
Operator : JU/SJ
Sample : J3551-04 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

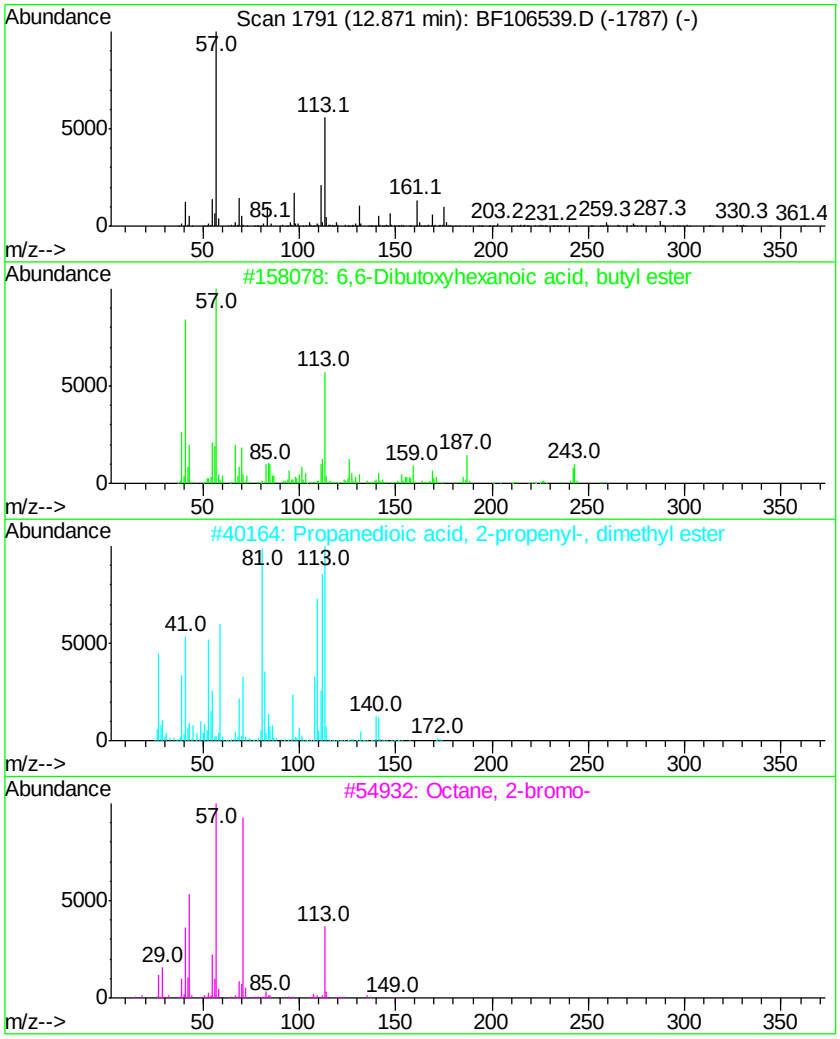
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

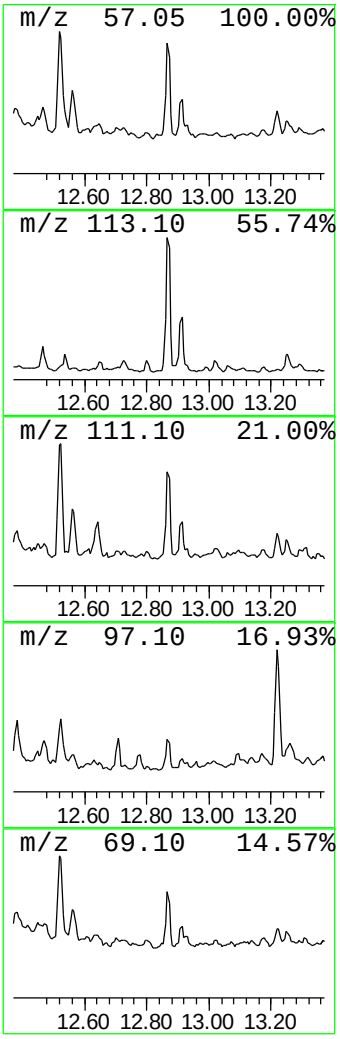
****

Peak Number 9 unknown12.87 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	29.69 ng	916720	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6,6-Dibutoxyhexanoic acid, butyl...	316	C18H36O4	1000280-29-0	38
2	Propanedioic acid, 2-propenyl-, ...	172	C8H12O4	040637-56-7	38
3	Octane, 2-bromo-	192	C8H17Br	000557-35-7	32
4	1-(4-Chlorobenzenesulfonyl)-3,3-...	274	C12H15ClO3S	207974-06-9	27
5	5-Nonanone, 2,2,8,8-tetramethyl-	198	C13H26O	005709-95-5	27





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061818\
Data File : BF106539.D
Acq On : 18 Jun 2018 15:33
Operator : JU/SJ
Sample : J3551-04 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

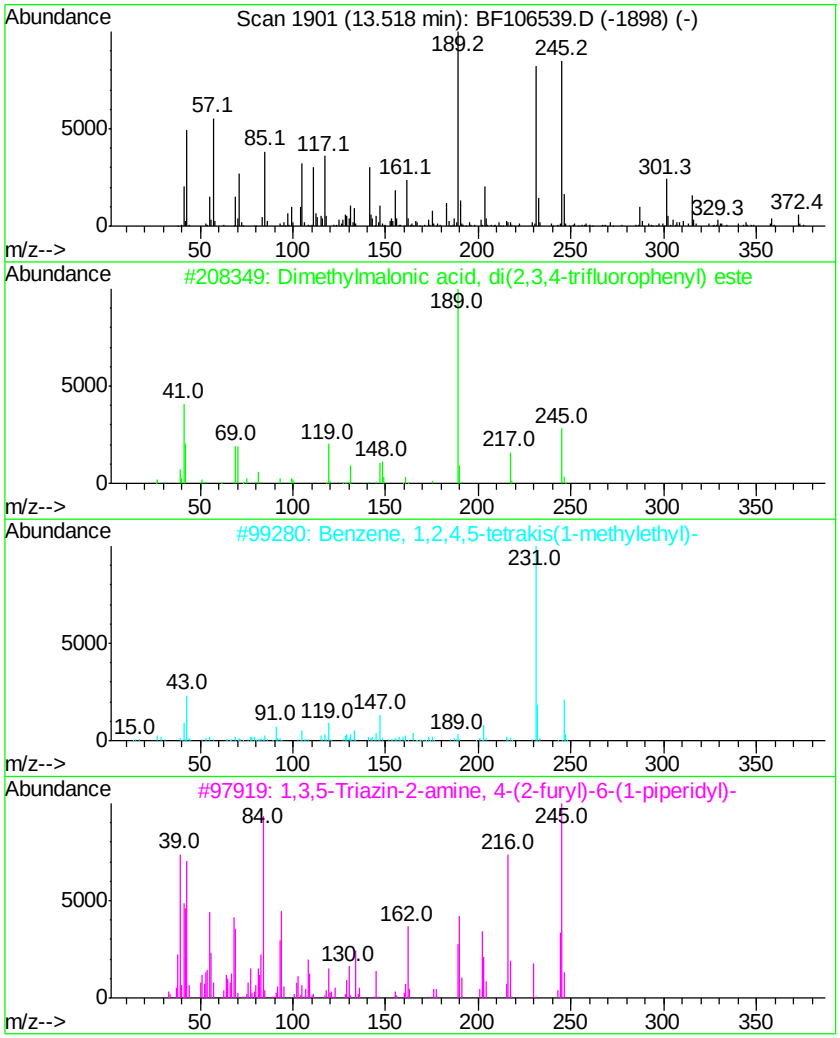
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

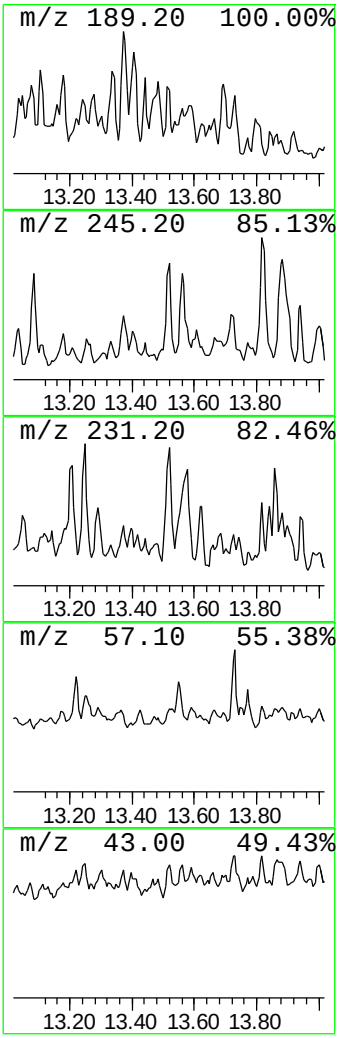
****

Peak Number 10 unknown13.52 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	15.78 ng	487180	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethylmalonic acid, di(2,3,4-t...	392	C17H10F6O4	1000361-89-7	35
2	Benzene, 1,2,4,5-tetrakis(1-meth...	246	C18H30	000635-11-0	35
3	1,3,5-Triazin-2-amine, 4-(2-furv...	245	C12H15N5O	148403-53-6	35
4	Ethyl 1,2-dihydro-1-methyl-2-oxo...	231	C13H13NO3	027330-23-0	20
5	Quinoline-4-carboxylic acid, 6-m...	231	C13H13NO3	005345-57-3	18





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061818\
Data File : BF106539.D
Acq On : 18 Jun 2018 15:33
Operator : JU/SJ
Sample : J3551-04 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

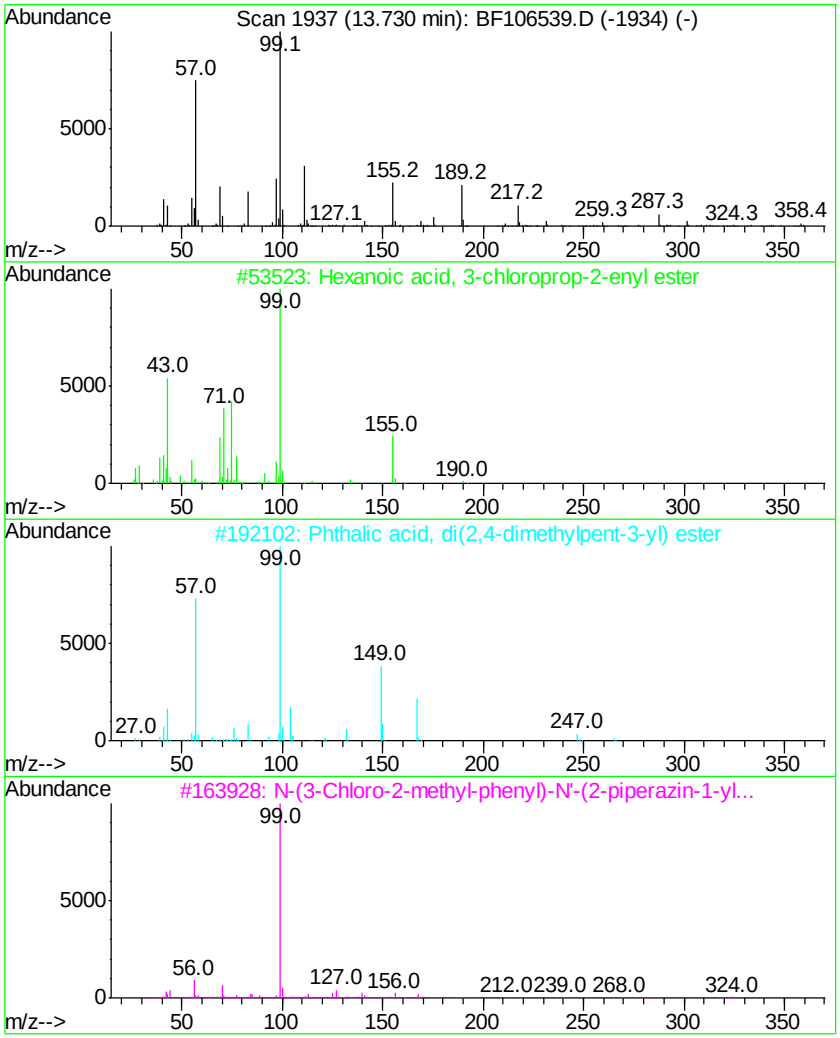
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

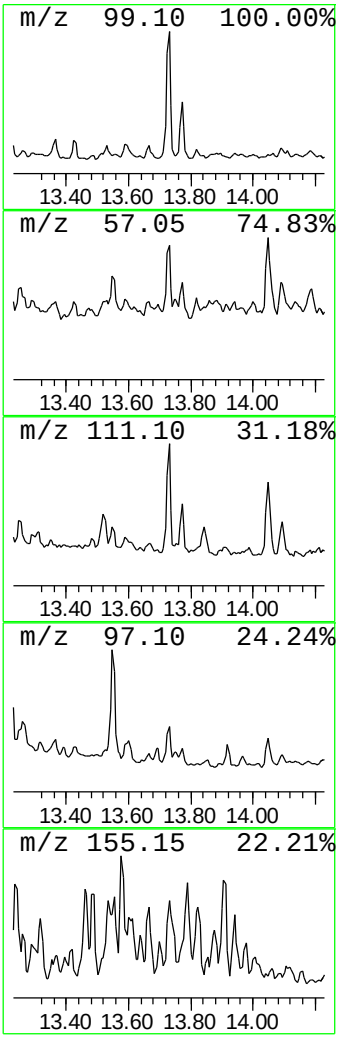
****

Peak Number 11 unknown13.73 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	18.02 ng	556287	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 3-chloroprop-2-en...	190	C9H15ClO2	1000299-36-1	37
2	Phthalic acid, di(2,4-dimethylpe...	362	C22H34O4	1000356-85-5	32
3	N-(3-Chloro-2-methyl-phenyl)-N'-...	324	C15H21ClN4O2	1000294-79-6	27
4	Spiro[bicyclo[2.2.1]heptane-2,2'...	210	C12H18O3	018501-54-7	27
5	1-Pyrrolidinocarbonylmethyl pipe...	197	C10H19N3O	039890-45-4	23





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061818\
Data File : BF106539.D
Acq On : 18 Jun 2018 15:33
Operator : JU/SJ
Sample : J3551-04 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

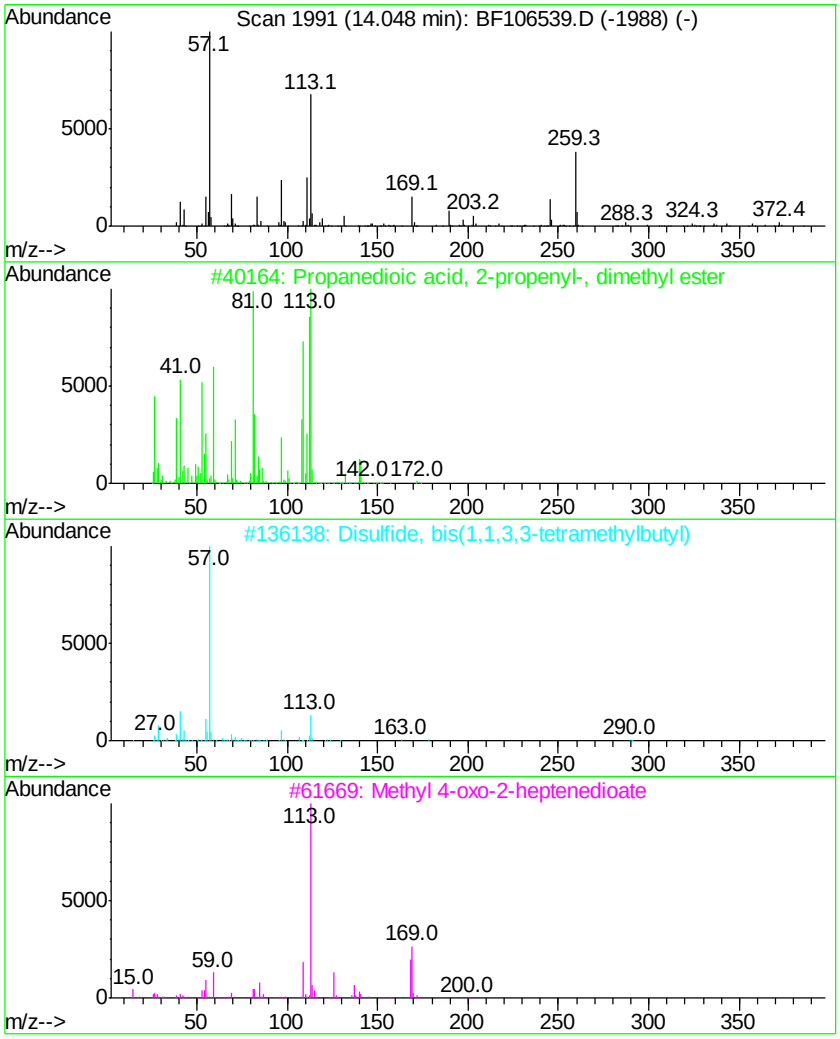
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

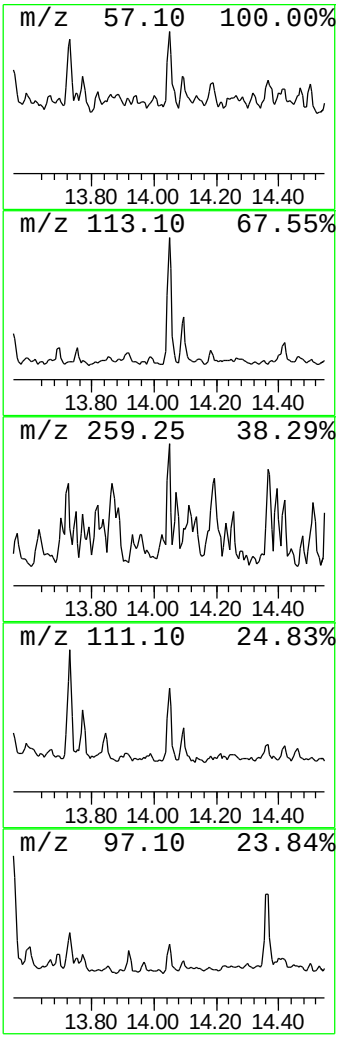
****

Peak Number 12 unknown14.05 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.05	27.48 ng	848408	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanedioic acid, 2-propenyl-, ...	172	C8H12O4	040637-56-7	38
2	Disulfide, bis(1,1,3,3-tetrameth...	290	C16H34S2	029956-99-8	25
3	Methyl 4-oxo-2-heptenedioate	200	C9H12O5	022503-69-1	14
4	Sulfurous acid, di(2-ethylhexyl)...	306	C16H34O3S	1000309-19-1	14
5	5-Nonanone, 2,2,8,8-tetramethyl-	198	C13H26O	005709-95-5	12





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061818\
Data File : BF106539.D
Acq On : 18 Jun 2018 15:33
Operator : JU/SJ
Sample : J3551-04 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

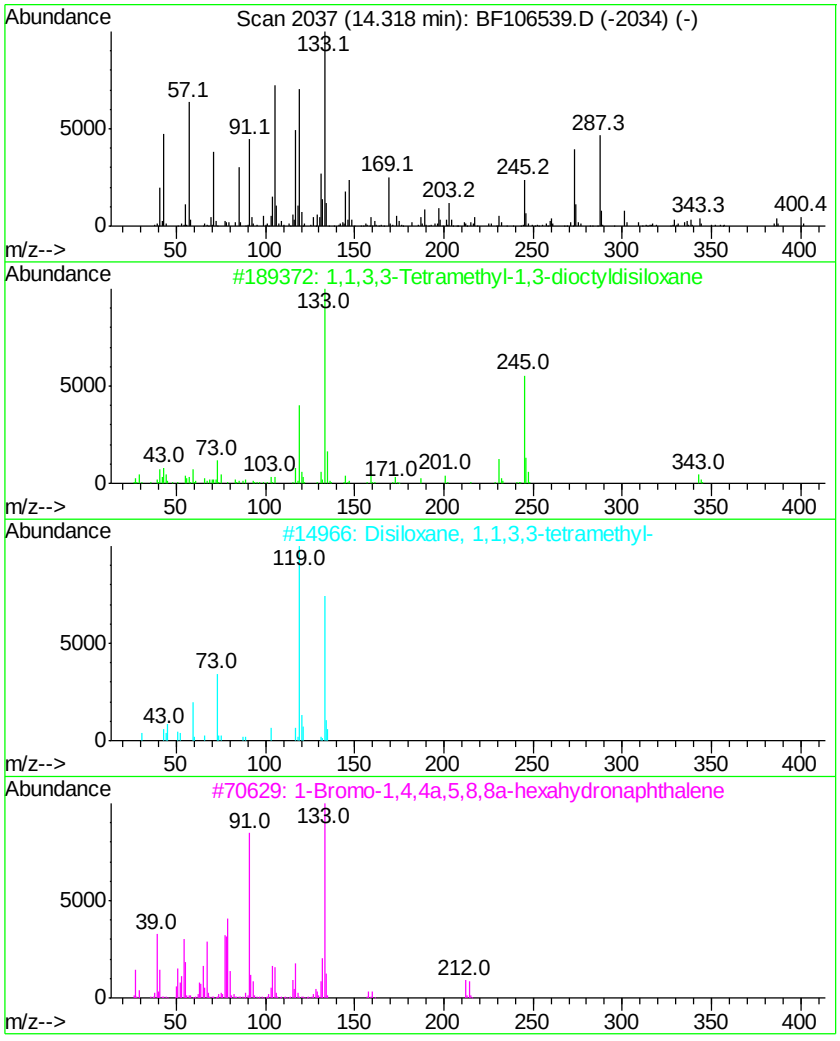
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

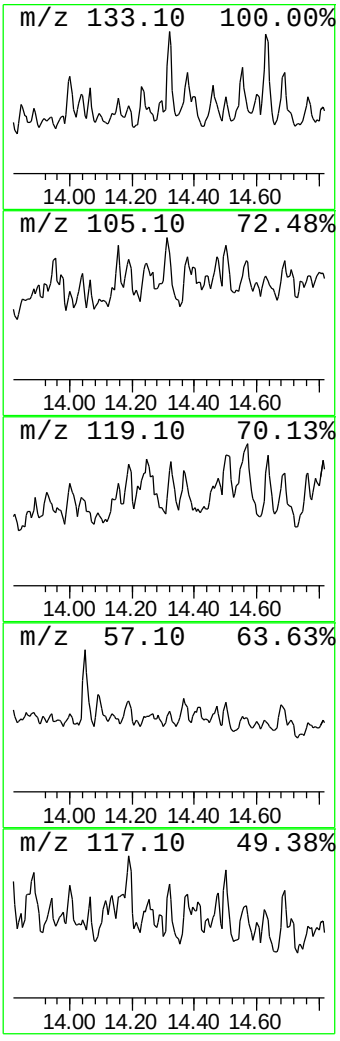
****

Peak Number 13 unknown14.32 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.32	13.12 ng	405188	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,3,3-Tetramethyl-1,3-dioctyld...	358	C20H46OSi2	018642-94-9	27
2	Disiloxane, 1,1,3,3-tetramethyl-	134	C4H14OSi2	003277-26-7	25
3	1-Bromo-1,4,4a,5,8,8a-hexahydron...	212	C10H13Br	1000192-97-4	25
4	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	16
5	4-Nitrophenyl-.beta.-phenylpropi...	271	C15H13NO4	017895-71-5	15





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061818\
Data File : BF106539.D
Acq On : 18 Jun 2018 15:33
Operator : JU/SJ
Sample : J3551-04 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

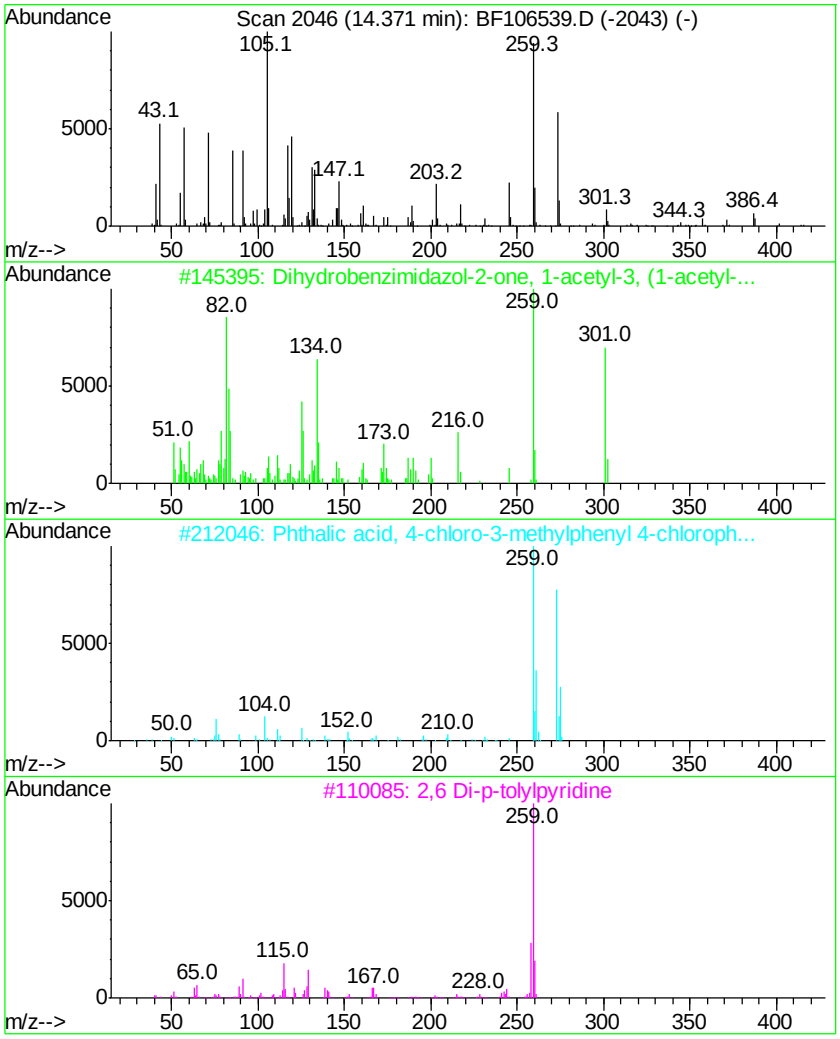
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

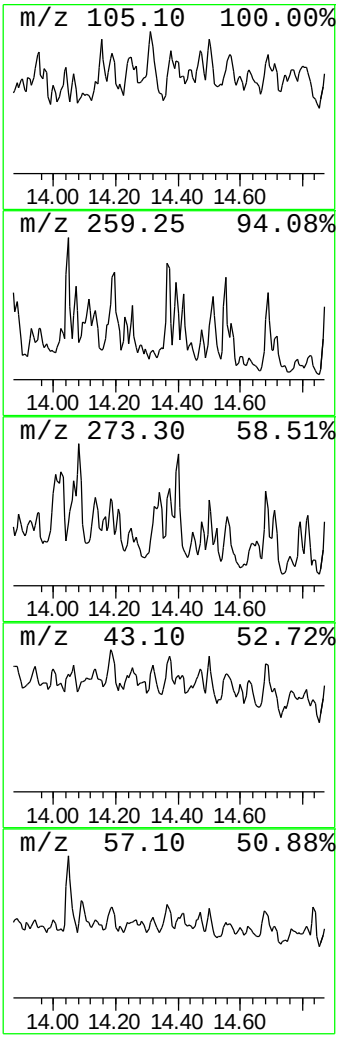
****

Peak Number 14 unknown14.37 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.37	17.65 ng	545043	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dihydrobenzimidazol-2-one, 1-ace...	301	C16H19N3O3	1000280-84-2	18
2	Phthalic acid, 4-chloro-3-methyl...	400	C21H14Cl2O4	1000315-71-9	16
3	2,6 Di-p-tolylpyridine	259	C19H17N	014435-88-2	14
4	1-(p-Tolyl)benz[cd]indol-2(1H)-one	259	C18H13NO	001710-21-0	14
5	Cyclohex-3-ene-1-carboxylic acid...	259	C15H17NO3	311316-40-2	14





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061818\
Data File : BF106539.D
Acq On : 18 Jun 2018 15:33
Operator : JU/SJ
Sample : J3551-04 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

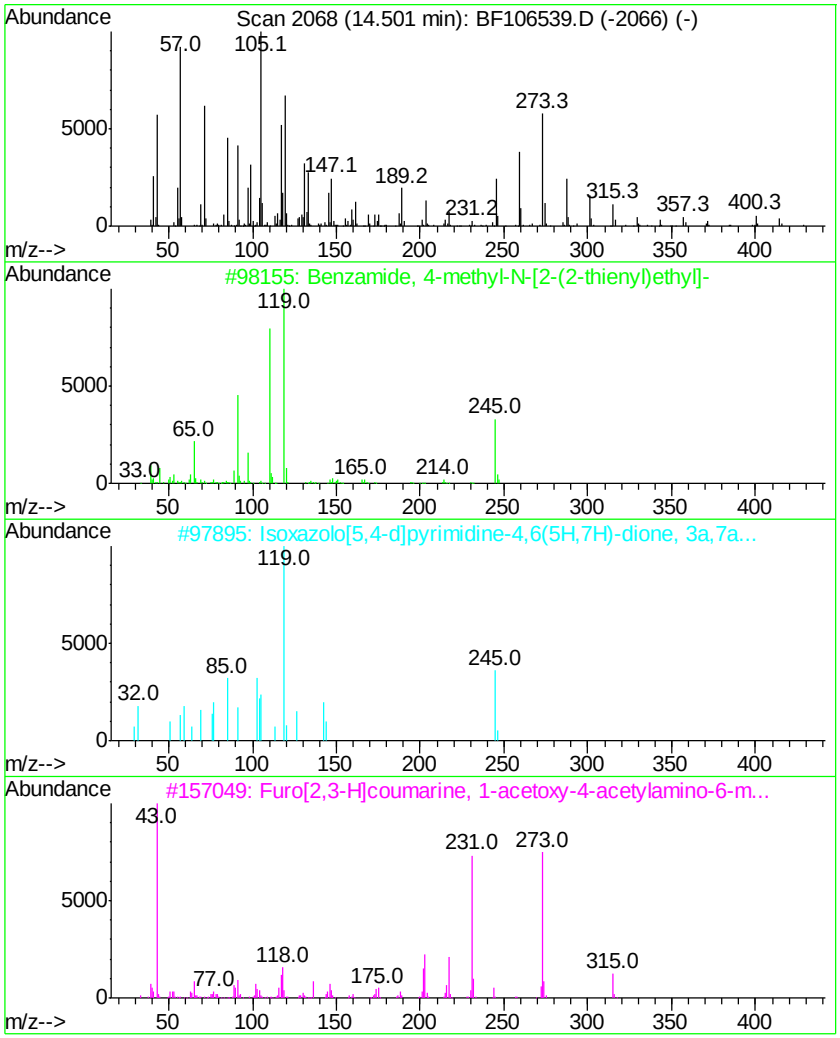
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

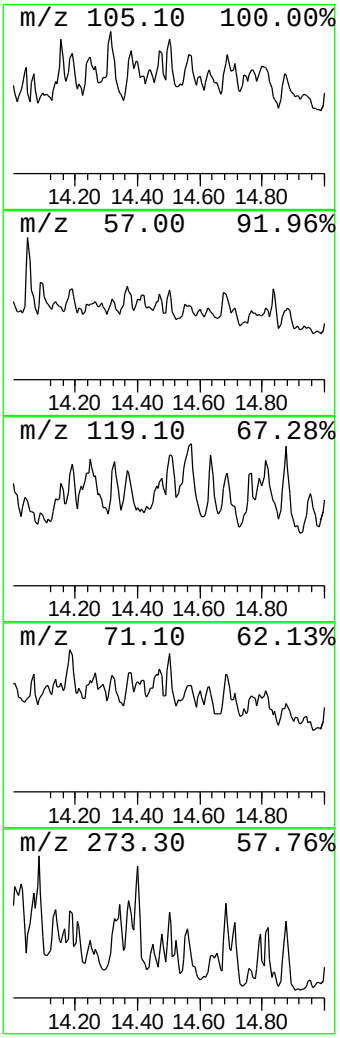
****

Peak Number 15 unknown14.50 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	17.64 ng	544640	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzamide, 4-methyl-N-[2-(2-thie...	245	C14H15NOS	1000319-70-5	25
2	Isoxazolo[5,4-d]pyrimidine-4,6(5...	245	C12H11N3O3	035053-73-7	18
3	Furo[2,3-H]coumarine, 1-acetoxy-...	315	C16H13NO6	327043-33-4	15
4	Tolcapone	273	C14H11NO5	134308-13-7	14
5	Benzamide, 3-methyl-N-(4-chlorop...	245	C14H12ClNO	1000339-11-8	10





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061818\
Data File : BF106539.D
Acq On : 18 Jun 2018 15:33
Operator : JU/SJ
Sample : J3551-04 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

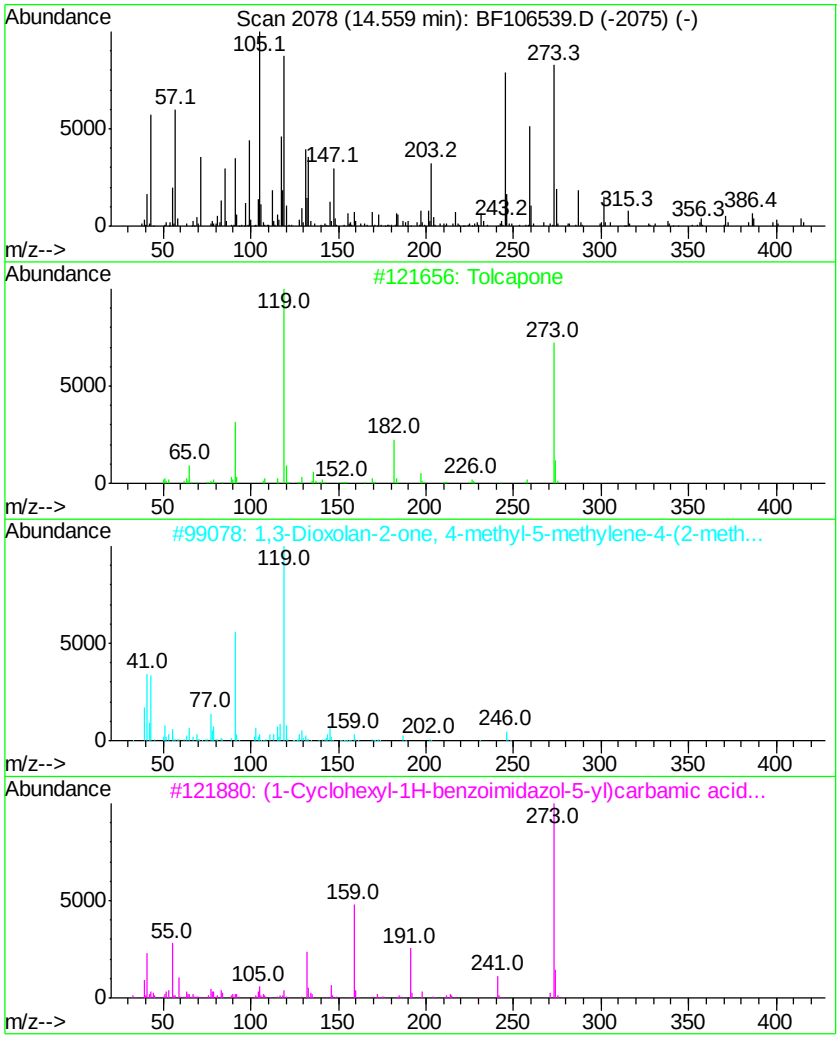
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

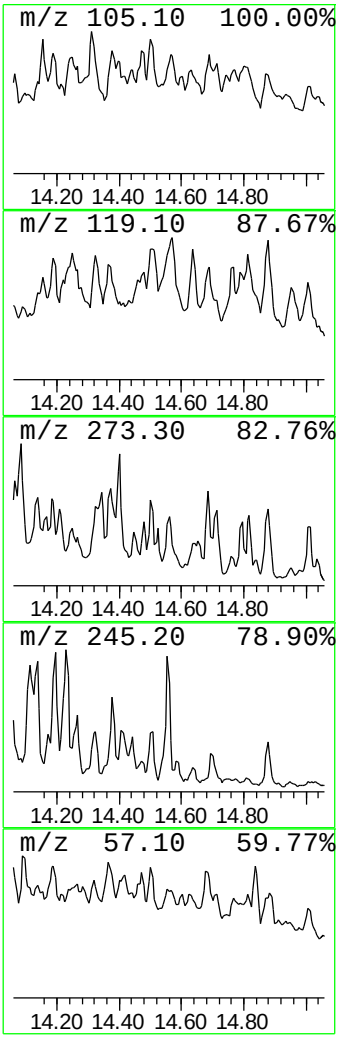
****

Peak Number 16 unknown14.56 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	16.28 ng	502657	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tolcapone	273	C14H11NO5	134308-13-7	25
2	1,3-Dioxolan-2-one, 4-methyl-5-m...	246	C15H18O3	1000319-92-8	15
3	(1-Cyclohexyl-1H-benzoimidazol-5...	273	C15H19N3O2	1000302-64-1	11
4	Benzene, (1-bromo-3-iodobutyl)-	338	C10H12BrI	1000327-27-0	11
5	Pyridine, 5-ethenyl-2-methyl-	119	C8H9N	000140-76-1	11





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061818\
Data File : BF106539.D
Acq On : 18 Jun 2018 15:33
Operator : JU/SJ
Sample : J3551-04 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

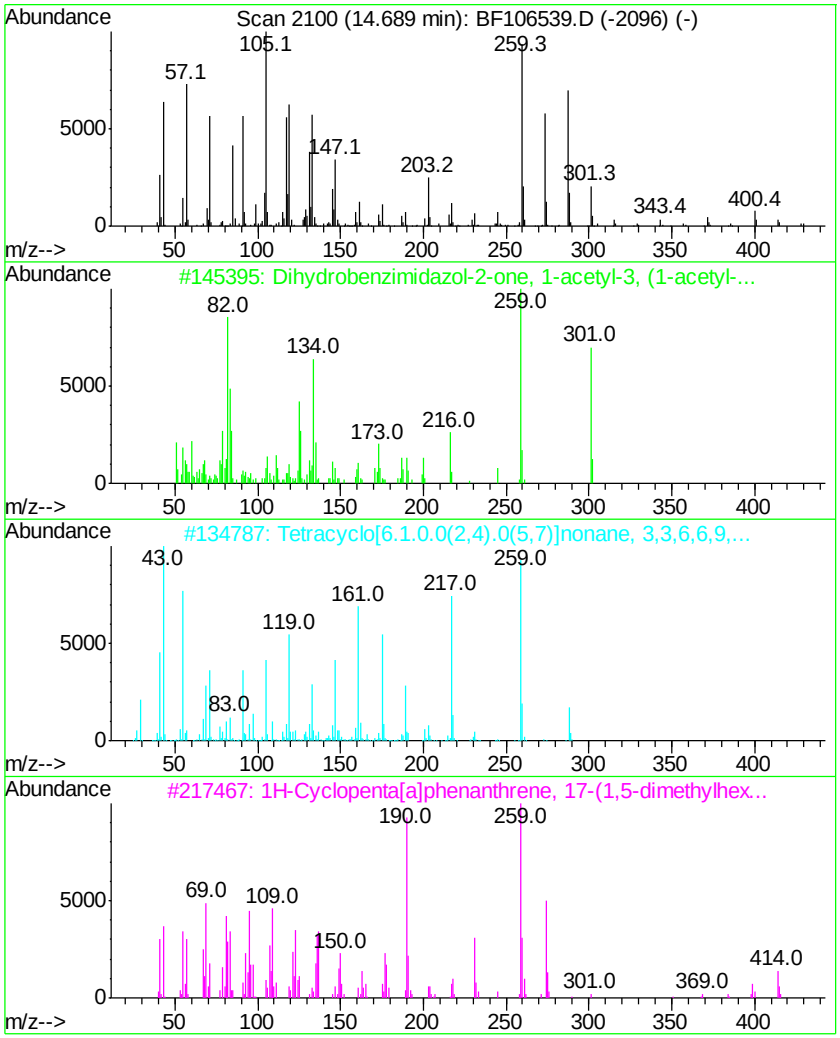
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

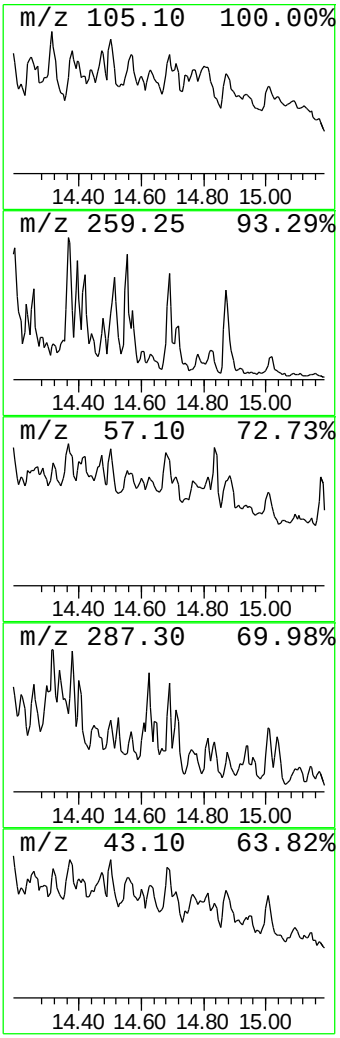
****

Peak Number 17 Dihydrobenzimidazol-2-one, ... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	21.29 ng	657137	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dihydrobenzimidazol-2-one, 1-ace...	301	C16H19N3O3	1000280-84-2	60
2	Tetracyclo[6.1.0.0(2,4).0(5,7)]n...	288	C21H36	078578-98-0	30
3	1H-Cyclopenta[a]phenanthrene, 17...	414	C30H54	000474-20-4	25
4	24-Norcholan-16-one, 22-methyl-,...	344	C24H40O	054498-41-8	18
5	1H-Inden-5-ol, 2,3-dihydro-1,1,3...	274	C19H30O	093892-40-1	11





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061818\
Data File : BF106539.D
Acq On : 18 Jun 2018 15:33
Operator : JU/SJ
Sample : J3551-04 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

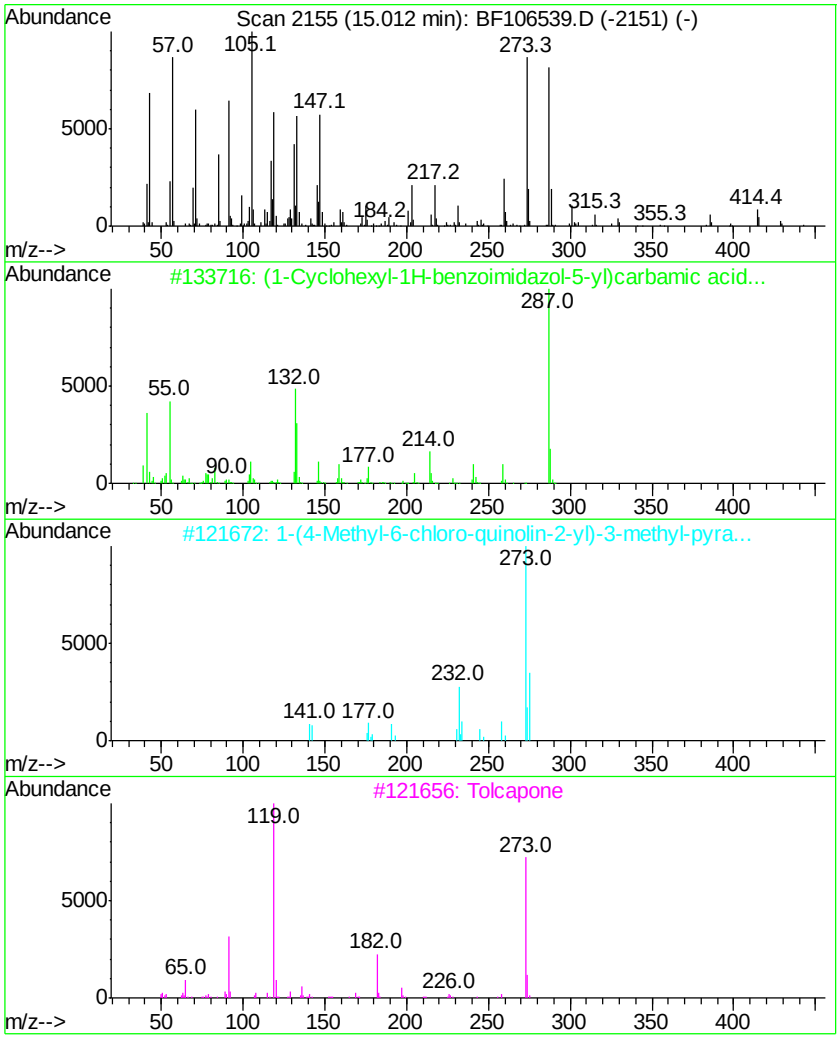
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

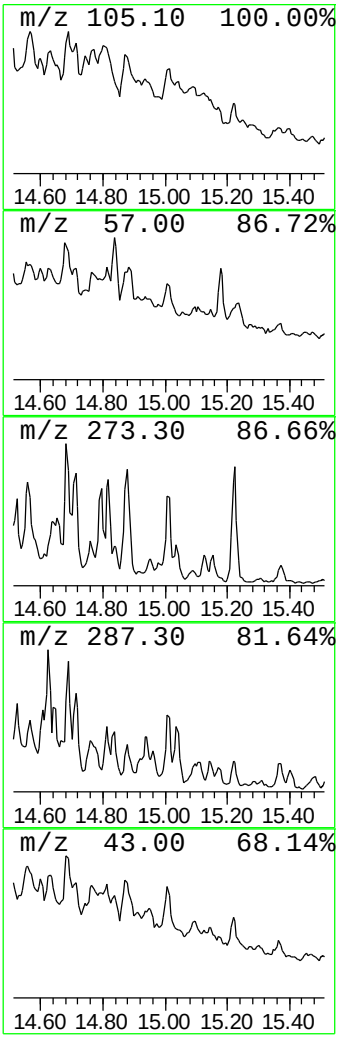
****

Peak Number 19 unknown15.01 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.01	16.34 ng	689019	Perylene-d12	15.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1-Cyclohexyl-1H-benzoimidazol-5...	287	C16H21N3O2	1000310-00-5	25
2	1-(4-Methyl-6-chloro-quinolin-2-...	273	C14H12ClN3O	111784-26-0	22
3	Tolcapone	273	C14H11NO5	134308-13-7	14
4	Pyrazolo[1,5-a]pyrimidine, 6,7-d...	273	C18H15N3	186956-30-9	11
5	2-Isopropylthio-3H-phenothiazin-...	287	C15H13NOS2	090712-90-6	11





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF061818\
Data File : BF106539.D
Acq On : 18 Jun 2018 15:33
Operator : JU/SJ
Sample : J3551-04 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OILY-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.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
Sulfurous acid, b...	9.51	20.2	ng	1274950	3	10.01	1265130	20.0
Benzeneacetic aci...	10.48	14.5	ng	918212	3	10.01	1265130	20.0
unknown11.14	11.14	14.0	ng	1626180	4	11.50	2323000	20.0
Benzene, (1-methy...	11.43	14.0	ng	1626000	4	11.50	2323000	20.0
Benzene, (1-ethyl...	11.70	16.7	ng	1944780	4	11.50	2323000	20.0
Benzene, (1-methy...	11.88	25.4	ng	2947990	4	11.50	2323000	20.0
Benzene, (1-methy...	12.30	33.2	ng	3853920	4	11.50	2323000	20.0
unknown12.52	12.52	12.9	ng	1502390	4	11.50	2323000	20.0
unknown12.87	12.87	29.7	ng	916720	5	14.17	617460	20.0
unknown13.52	13.52	15.8	ng	487180	5	14.17	617460	20.0
unknown13.73	13.73	18.0	ng	556287	5	14.17	617460	20.0
unknown14.05	14.05	27.5	ng	848408	5	14.17	617460	20.0
unknown14.32	14.32	13.1	ng	405188	5	14.17	617460	20.0
unknown14.37	14.37	17.6	ng	545043	5	14.17	617460	20.0
unknown14.50	14.50	17.6	ng	544640	5	14.17	617460	20.0
unknown14.56	14.56	16.3	ng	502657	5	14.17	617460	20.0
Dihydrobenzimidaz...	14.69	21.3	ng	657137	5	14.17	617460	20.0
unknown15.01	15.01	16.3	ng	689019	6	15.72	843453	20.0