LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109932.D
Acq On : 17 Oct 2018 20:48
Operator : JU/SJ
Sample : J5536-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 351-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-BF101518.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	2.263	26	30	44	rVB	256626	373036	2.86%	0.156%
2	5.587	590	595	598	rBV	2395788	2139072	16.38%	0.897%
3	6.216	698	702	710	rBV2	293965	551018	4.22%	0.231%
4	6.516	748	753	758	rBV5	371587	579163	4.44%	0.243%
5	6.587	761	765	769	rVB	2535232	2243010	17.18%	0.940%
6	6.739	782	791	799	rBV	2595576	2759664	21.14%	1.157%
7	6.887	813	816	821	rBV2	438015	437147	3.35%	0.183%
8	6.975	828	831	835	rVB2	2338177	2084111	15.96%	0.874%
9	7.087	843	850	852	rBV6	395622	525319	4.02%	0.220%
10	7.134	852	858	860	rBV	1790049	1787729	13.69%	0.749%
11	7.245	871	877	879	rVV3	494356	581137	4.45%	0.244%
12	7.375	896	899	901	rVV	371392	355047	2.72%	0.149%
13	7.504	916	921	923	rBV3	576815	793438	6.08%	0.333%
14	7.534	923	926	932	rVV	1661686	1554380	11.91%	0.652%
15	7.616	938	940	943	rVB4	366943	366787	2.81%	0.154%
16	7.669	943	949	953	rBV4	331235	608987	4.66%	0.255%
17	7.745	959	962	964	rBV2	399871	358223	2.74%	0.150%
18	7.781	966	968	973	rVB3	389716	437156	3.35%	0.183%
19	7.851	976	980	982	rBV3	237113	326050	2.50%	0.137%
20	7.898	985	988	990	rBV3	551767	478287	3.66%	0.200%
21	7.992	1002	1004	1010	rBV5	343905	459977	3.52%	0.193%
22	8.257	1046	1049	1055	rVV	2047560	1932800	14.80%	0.810%
23	8.310	1055	1058	1060	rVB	1098503	970383	7.43%	0.407%
24	8.339	1060	1063	1066	rBV3	427767	412256	3.16%	0.173%
25	8.545	1094	1098	1102	rVB3	471372	565179	4.33%	0.237%
26	8.669	1116	1119	1121	rBV	1186986	883334	6.77%	0.370%
27	8.763	1132	1135	1138	rBV	744699	728635	5.58%	0.305%
28	8.933	1160	1164	1168	rVB	543767	706456	5.41%	0.296%
29	9.004	1173	1176	1178	rVV3	371037	313098	2.40%	0.131%
30	9.175	1201	1205	1208	rBV3	376505	581903	4.46%	0.244%
31	9.228	1211	1214	1217	rVV	830049	790756	6.06%	0.331%
32	9.269	1218	1221	1224	rVV	1500819	1481214	11.35%	0.621%
33	9.298	1224	1226	1229	rVB3	540086	430789	3.30%	0.181%
34	9.333	1229	1232	1236	rBV	2608979	2256421	17.28%	0.946%

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Misc :
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Instrument : BNA_F
ClientSampleId : 351-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

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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.369	1236	1238	1241	rVV2	501088	499290	3.82%	0.209%
36	9.416	1243	1246	1248	rVV2	529541	676316	5.18%	0.283%
37	9.451	1250	1252	1254	rVV2	348486	369712	2.83%	0.155%
38	9.480	1254	1257	1261	rVV2	581806	811116	6.21%	0.340%
39	9.528	1261	1265	1267	rVV	2098386	2359646	18.07%	0.989%
40	9.569	1270	1272	1275	rVV2	603014	610959	4.68%	0.256%
41	9.598	1275	1277	1279	rVV	412106	319587	2.45%	0.134%
42	9.728	1296	1299	1302	rBV	1973968	1649881	12.64%	0.692%
43	9.880	1323	1325	1327	rBV2	474008	363778	2.79%	0.152%
44	9.928	1331	1333	1338	rVB	390373	354173	2.71%	0.148%
45	9.975	1338	1341	1344	rBV	1552827	1344970	10.30%	0.564%
46	10.022	1345	1349	1352	rVB	2288341	2113323	16.19%	0.886%
47	10.051	1352	1354	1357	rBV2	569937	554680	4.25%	0.233%
48	10.086	1357	1360	1362	rVB	662478	545584	4.18%	0.229%
49	10.110	1362	1364	1366	rBV2	386745	385248	2.95%	0.161%
50	10.145	1367	1370	1374	rVB	1188790	1073225	8.22%	0.450%
51	10.198	1376	1379	1381	rBV	1110083	798560	6.12%	0.335%
52	10.304	1395	1397	1399	rBV	896136	627400	4.81%	0.263%
53	10.333	1399	1402	1404	rBV3	297824	320416	2.45%	0.134%
54	10.427	1415	1418	1422	rBV3	655854	740577	5.67%	0.310%
55	10.492	1426	1429	1434	rVB2	2681205	2861356	21.92%	1.199%
56	10.545	1434	1438	1444	rBV3	1083727	1980594	15.17%	0.830%
57	10.616	1447	1450	1451	rBV2	1164771	1270129	9.73%	0.532%
58	10.627	1451	1452	1455	rVB	2194170	1695518	12.99%	0.711%
59	10.686	1455	1462	1465	rBV3	2843551	3662703	28.05%	1.535%
60	10.716	1465	1467	1469	rBV2	961614	836666	6.41%	0.351%
61	10.757	1471	1474	1476	rBV	2021988	1616290	12.38%	0.678%
62	10.780	1476	1478	1479	rBV	967037	728191	5.58%	0.305%
63	10.804	1479	1482	1487	rVB3	3149919	3297878	25.26%	1.382%
64	10.874	1491	1494	1497	rBV	3808464	3716501	28.47%	1.558%
65	10.963	1506	1509	1511	rBV	1519630	1405998	10.77%	0.589%
66	10.986	1511	1513	1517	rVB2	4868479	5274557	40.40%	2.211%
67	11.033	1517	1521	1524	rVB	5366453	4783797	36.64%	2.005%
68	11.074	1524	1528	1530	rBV2	5816426	5717498	43.79%	2.397%
69	11.098	1530	1532	1534	rVB	2552520	1840851	14.10%	0.772%
70	11.163	1539	1543	1547	rVB3	5089287	5550464	42.51%	2.327%
71	11.198	1547	1549	1552	rVB3	1186472	982717	7.53%	0.412%

LSC Area Percent Report

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Sample : J5536-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 351-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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
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72	11.227	1552	1554	1555	rBV	1046680	781606	5.99%	0.328%
73	11.245	1555	1557	1559	rVB	1433261	1093372	8.37%	0.458%
74	11.274	1559	1562	1564	rVB	4017370	3339837	25.58%	1.400%
75	11.310	1566	1568	1571	rVB2	3029362	2461453	18.85%	1.032%
76	11.369	1575	1578	1581	rBV	2911901	3109430	23.82%	1.303%
77	11.404	1581	1584	1589	rVB4	2000709	3427058	26.25%	1.437%
78	11.457	1589	1593	1596	rBV2	7271600	9417887	72.13%	3.948%
79	11.486	1596	1598	1600	rVB3	1322789	936022	7.17%	0.392%
80	11.522	1600	1604	1607	rBV4	6903430	10897936	83.47%	4.568%
81	11.557	1607	1610	1615	rVB3	4099672	5783967	44.30%	2.425%
82	11.616	1615	1620	1622	rBV2	3423202	5778584	44.26%	2.422%
83	11.669	1627	1629	1631	rBV	2578139	1844513	14.13%	0.773%
84	11.698	1631	1634	1637	rVB2	4093639	5040953	38.61%	2.113%
85	11.739	1637	1641	1644	rBV3	6393444	10584388	81.07%	4.437%
86	11.833	1652	1657	1661	rBV3	4440233	8734080	66.90%	3.661%
87	11.921	1666	1672	1674	rBV2	5416957	11924044	91.33%	4.998%
88	11.986	1680	1683	1685	rBV2	2976966	3177748	24.34%	1.332%
89	12.045	1691	1693	1696	rVB	4269041	4233914	32.43%	1.775%
90	12.074	1696	1698	1700	rVB	2425261	1825050	13.98%	0.765%
91	12.163	1709	1713	1715	rBV	5936676	7739469	59.28%	3.244%
92	12.333	1737	1742	1744	rBV	6552085	13055964	100.00%	5.473%
93	12.386	1749	1751	1755	rVB2	2932278	3035039	23.25%	1.272%
94	12.616	1788	1790	1793	rVB4	2430109	2308669	17.68%	0.968%
95	12.651	1793	1796	1799	rBV2	2273353	2914322	22.32%	1.222%
96	12.721	1805	1808	1810	rBV	3036293	3045986	23.33%	1.277%
97	15.021	2195	2199	2207	rVB3	3073483	5780874	44.28%	2.423%
98	15.227	2230	2234	2240	rVB2	2690934	4139556	31.71%	1.735%
99	15.368	2254	2258	2263	rVB5	2037875	3043743	23.31%	1.276%
100	15.604	2294	2298	2304	rVB3	2035530	3511870	26.90%	1.472%

Sum of corrected areas: 238559445

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
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Acq On : 17 Oct 2018 20:48
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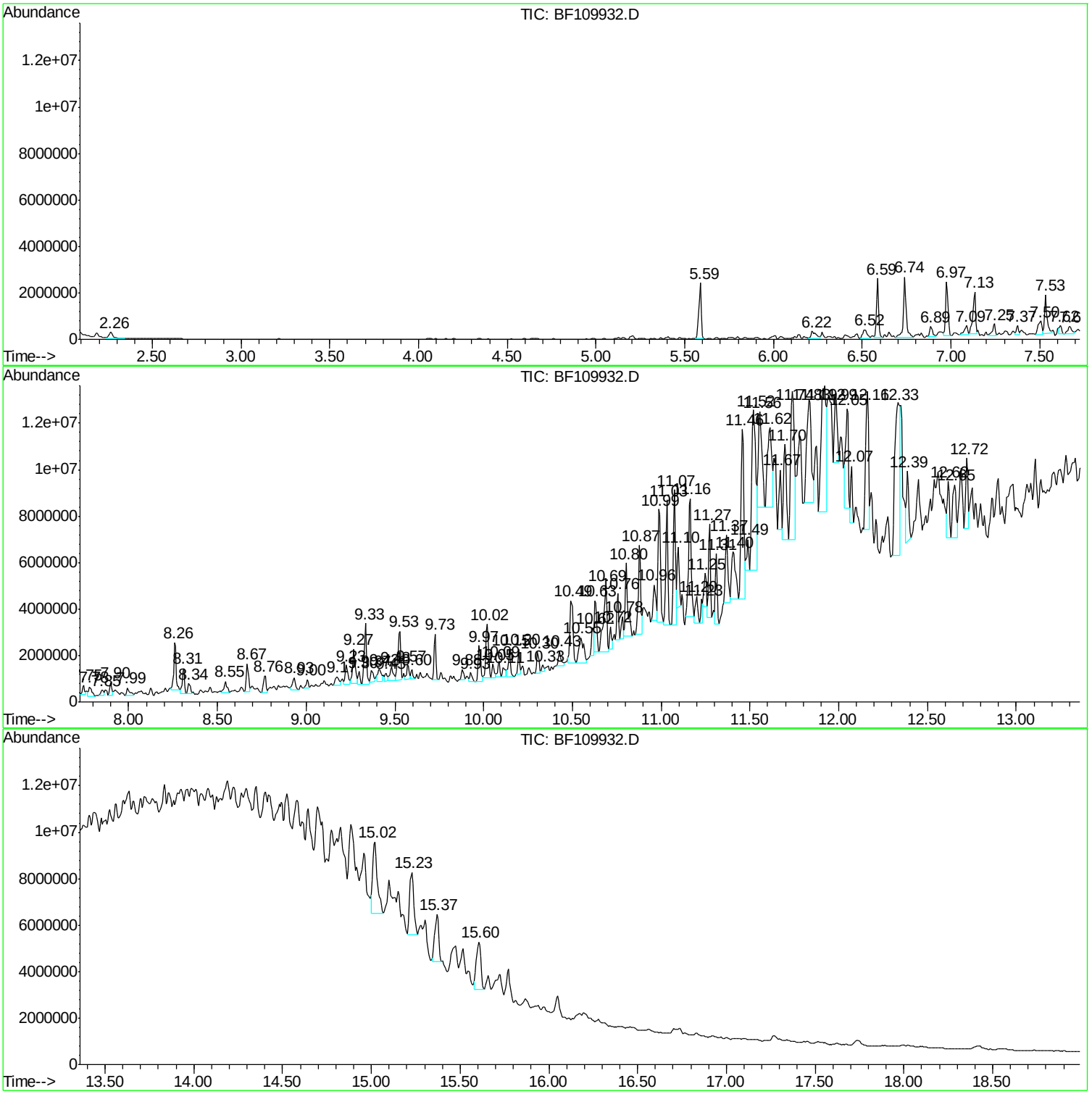
Sample : J5536-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 351-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.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\BF101718\
Data File : BF109932.D
Acq On : 17 Oct 2018 20:48
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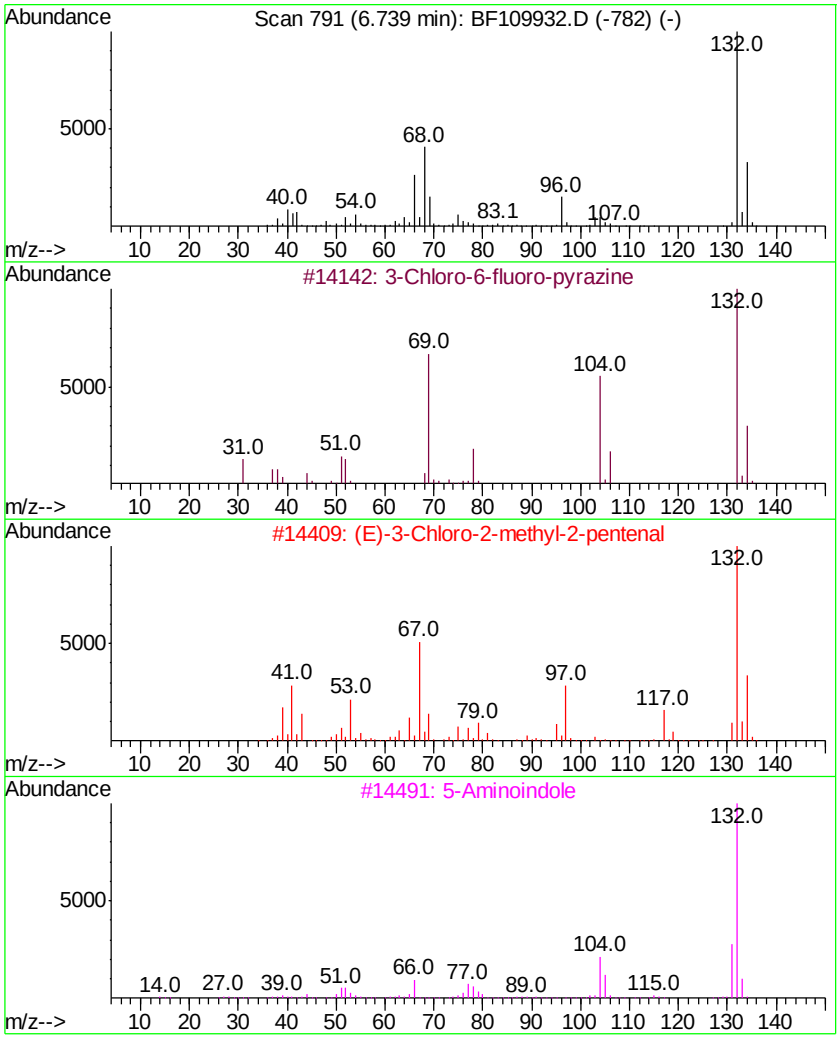
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

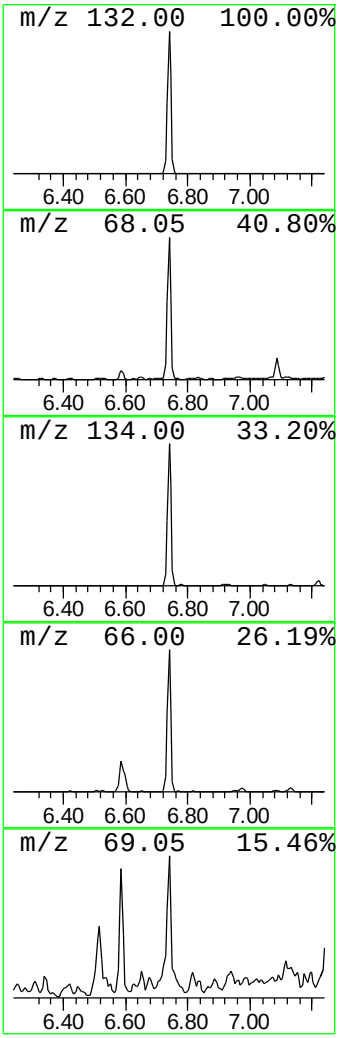
****

Peak Number 1 unknown6.74 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	26.48 ng	2759660	1,4-Dichlorobenzene-d4	6.97

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	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Library Search Compound Report

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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 351-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

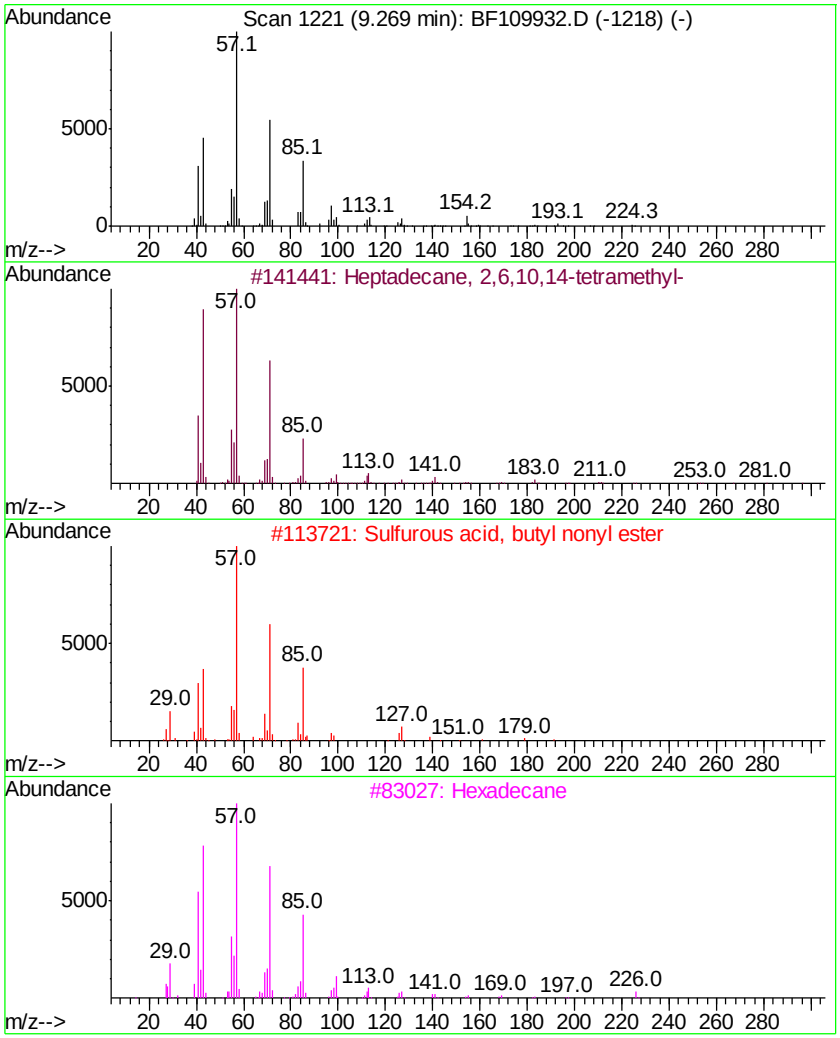
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

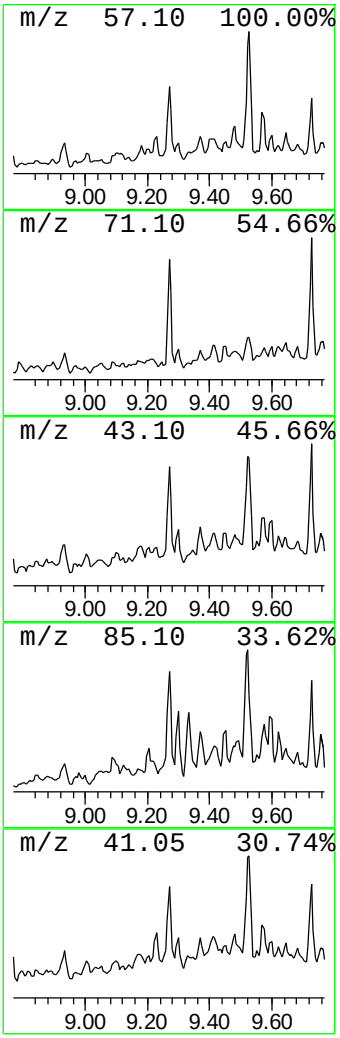
****

Peak Number 3 Heptadecane, 2,6,10,14-tetr... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.27	14.02 ng	1481210	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	72
2	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	59
3	Hexadecane	226	C16H34	000544-76-3	53
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	50
5	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	50





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TIC Library : C:\DATABASE\NIST11.L
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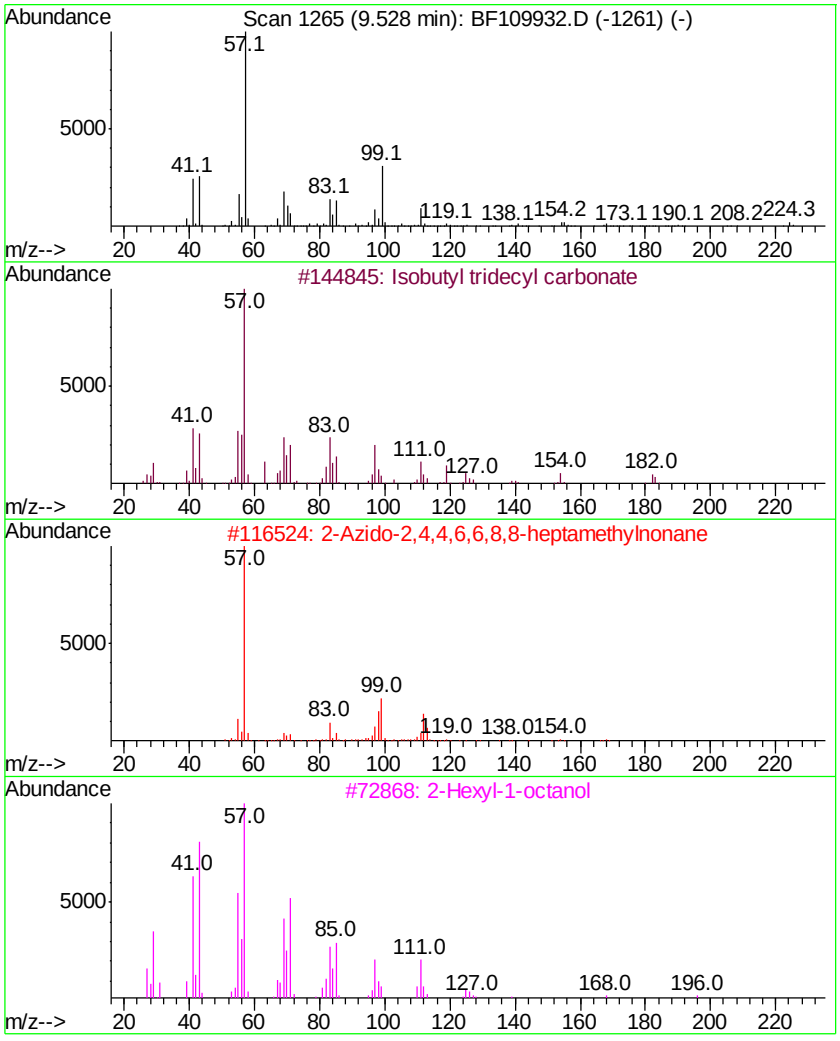
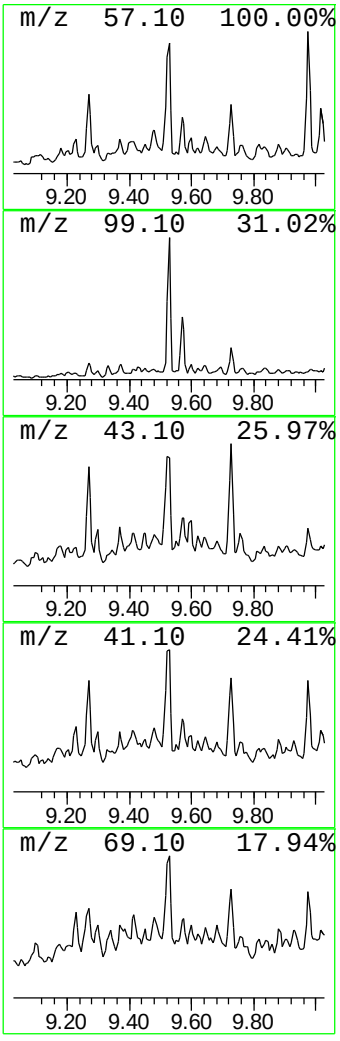
Peak Number 4 Isobutyl tridecyl carbonate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.53	22.33 ng	2359650	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutyl tridecyl carbonate	300	C18H36O3	959275-44-6	59
2	2-Azido-2,4,4,6,6,8,8-heptamethy...	267	C16H33N3	1000293-29-1	59
3	2-Hexyl-1-octanol	214	C14H30O	019780-79-1	53
4	Heptacosane	380	C27H56	000593-49-7	53
5	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	53





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Misc :
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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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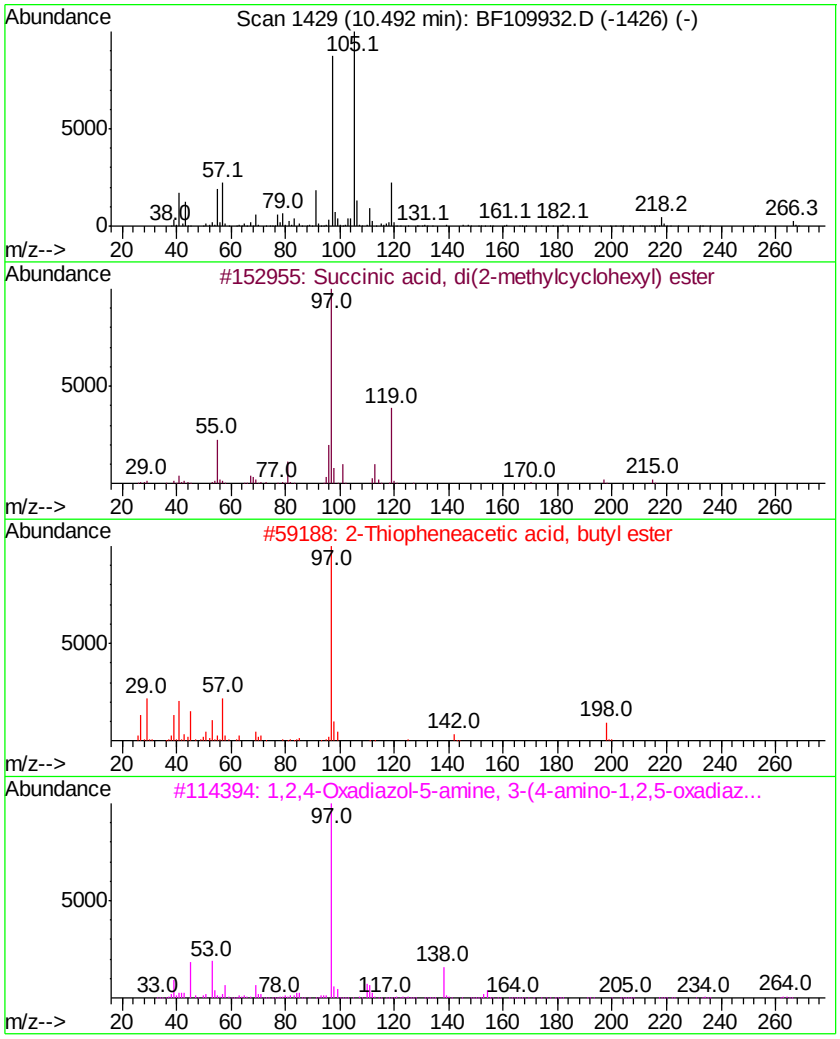
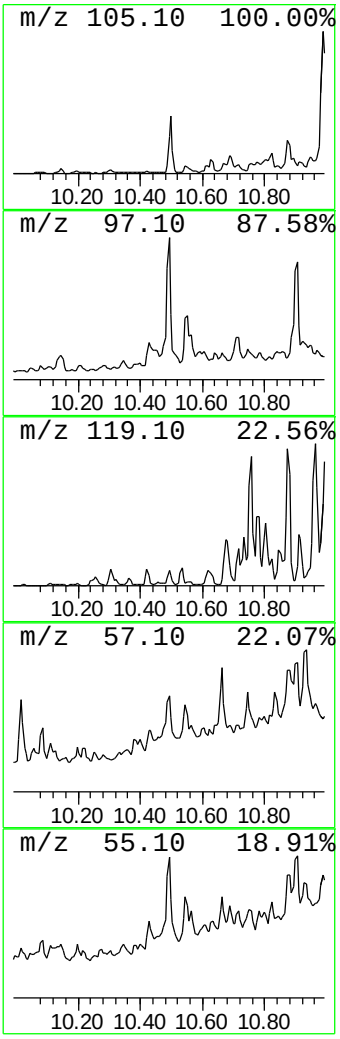
Peak Number 5 unknown70.49 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	27.08 ng	2861360	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Succinic acid, di(2-methylcycloh...	310	C18H30O4	1000329-83-0	38
2	2-Thiopheneacetic acid, butyl ester	198	C10H14O2S	060639-72-7	38
3	1,2,4-Oxadiazol-5-amine, 3-(4-am...	264	C9H8N6O2S	1000351-26-9	37
4	2-Thiophenylpropanoic acid, ,.ga...	232	C13H12O2S	051535-43-4	32
5	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	32





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

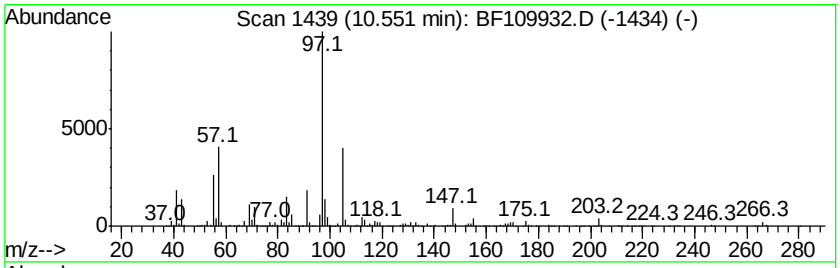
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

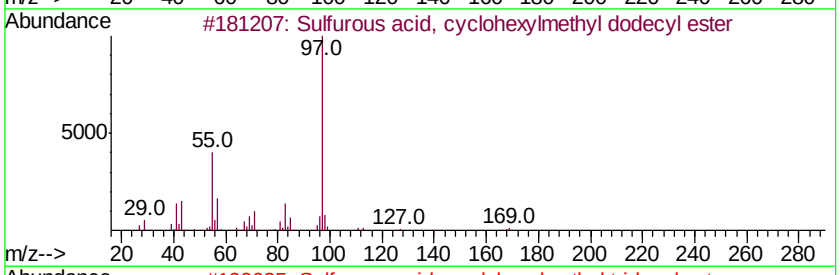
****

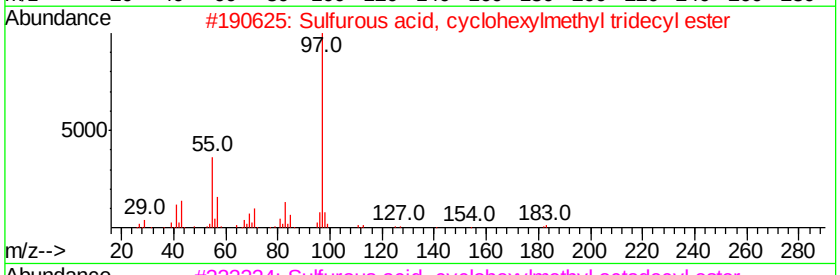
Peak Number 6 Sulfurous acid, cyclohexylm... Concentration Rank 10

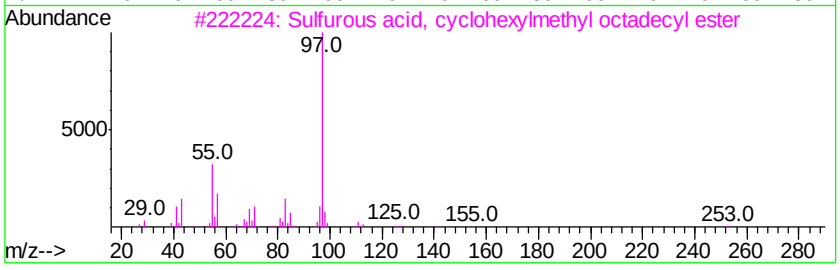
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.55	18.74 ng	1980590	Acenaphthene-d10	10.02

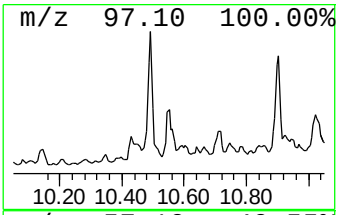
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, cyclohexylmethyl...	346	C19H38O3S	1000309-22-0	53
2	Sulfurous acid, cyclohexylmethyl...	360	C20H40O3S	1000309-22-1	53
3	Sulfurous acid, cyclohexylmethyl...	430	C25H50O3S	1000309-22-6	53
4	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	50
5	Sulfurous acid, cyclohexylmethyl...	374	C21H42O3S	1000309-22-2	50

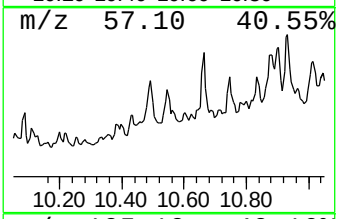


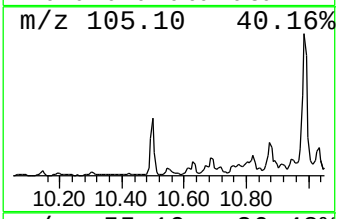


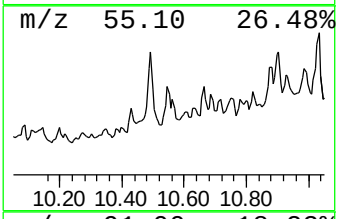


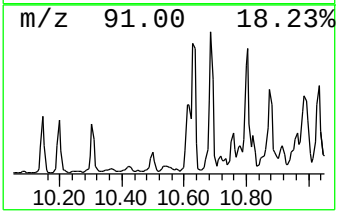












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Acq On : 17 Oct 2018 20:48
Operator : JU/SJ
Sample : J5536-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 351-SOIL

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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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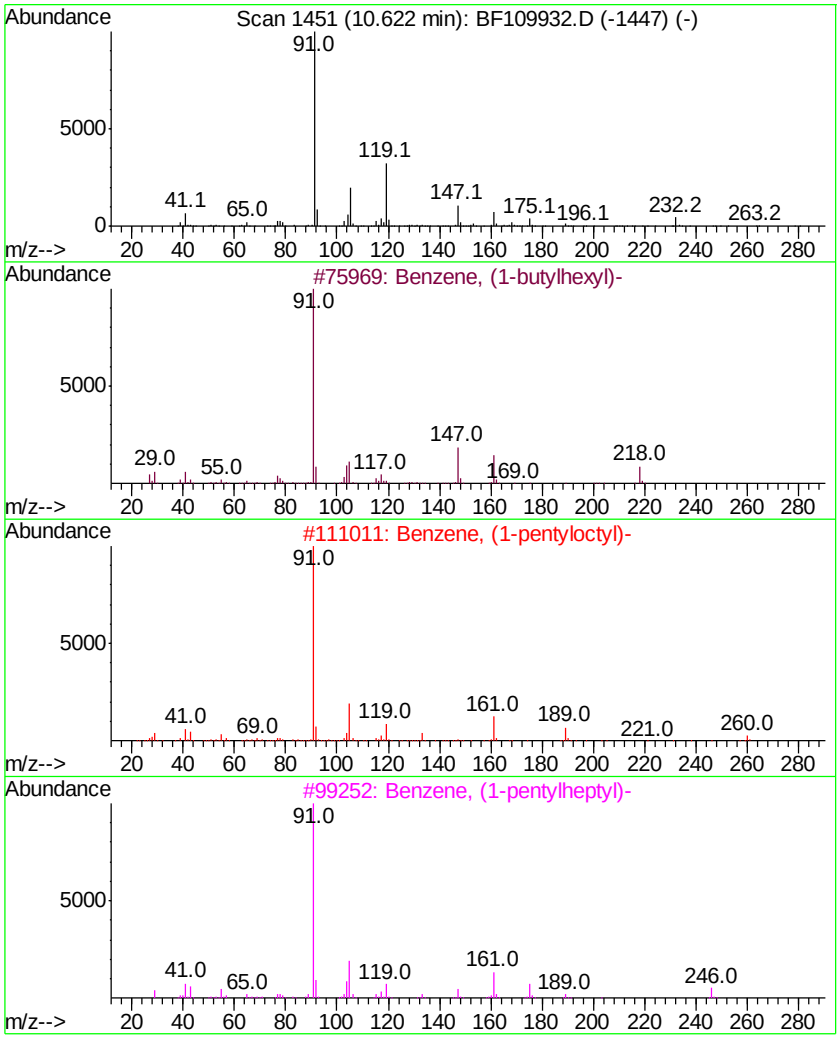
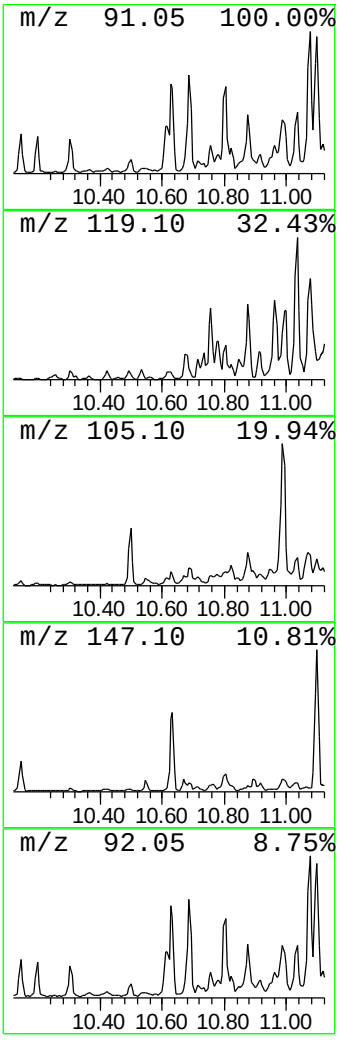
Peak Number 7 Benzene, (1-butylhexyl)- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	12.02 ng	1270130	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-butylhexyl)-	218	C16H26	004537-11-5	50
2	Benzene, (1-pentyloctyl)-	260	C19H32	004534-49-0	50
3	Benzene, (1-pentylheptyl)-	246	C18H30	002719-62-2	50
4	Benzene, (1-ethylbutyl)-	162	C12H18	004468-42-2	43
5	Benzene, (1-ethylnonyl)-	232	C17H28	004536-87-2	38





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Operator : JU/SJ
Sample : J5536-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 351-SOIL

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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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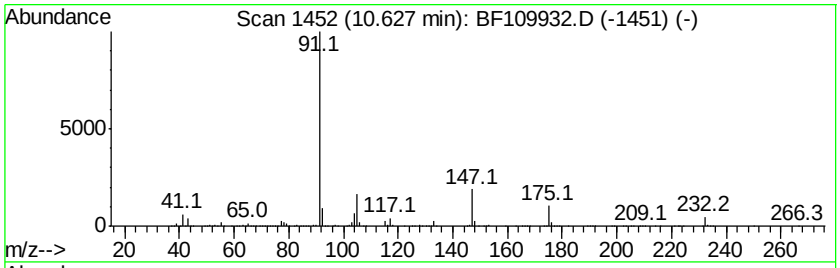
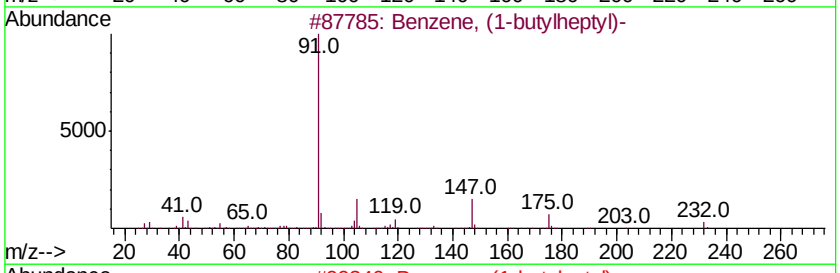
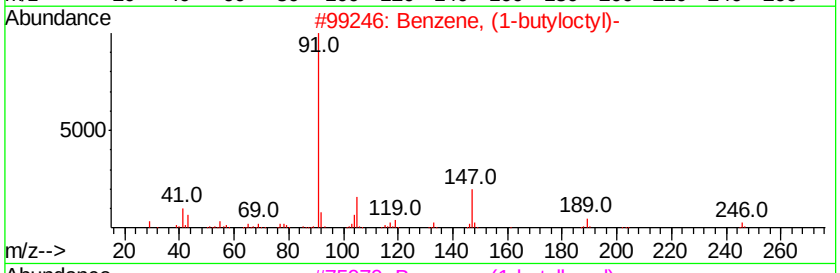
Peak Number 8 Benzene, (1-butylheptyl)- Concentration Rank 14

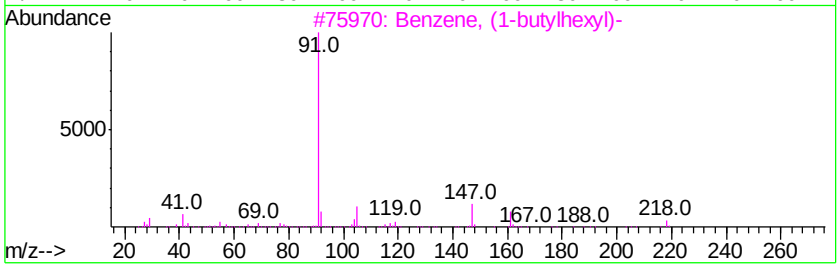
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.63	16.05 ng	1695520	Acenaphthene-d10	10.02

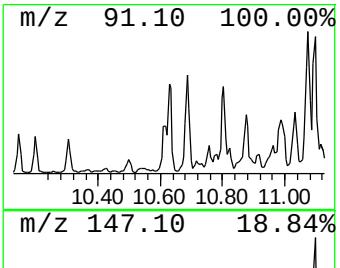
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-butylheptyl)-	232	C17H28	004537-15-9	96
2	Benzene, (1-butyloctyl)-	246	C18H30	002719-63-3	59
3	Benzene, (1-butylhexyl)-	218	C16H26	004537-11-5	53
4	1H-Tetrazol-5-amine, N-(phenylme...	175	C8H9N5	014832-58-7	52
5	Benzene, (1-hexylheptyl)-	260	C19H32	002400-01-3	45

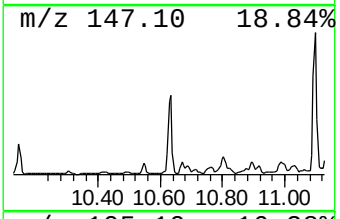


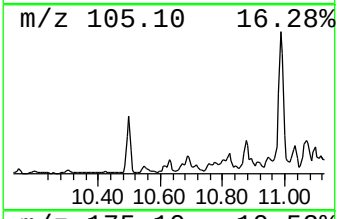


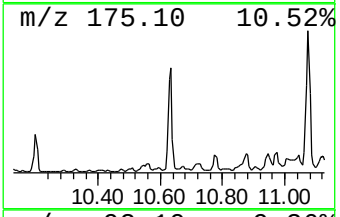


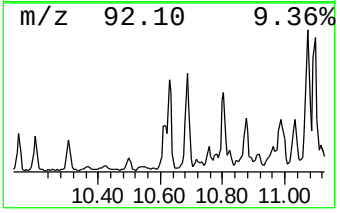












Library Search Compound Report

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Acq On : 17 Oct 2018 20:48
Operator : JU/SJ
Sample : J5536-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 351-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

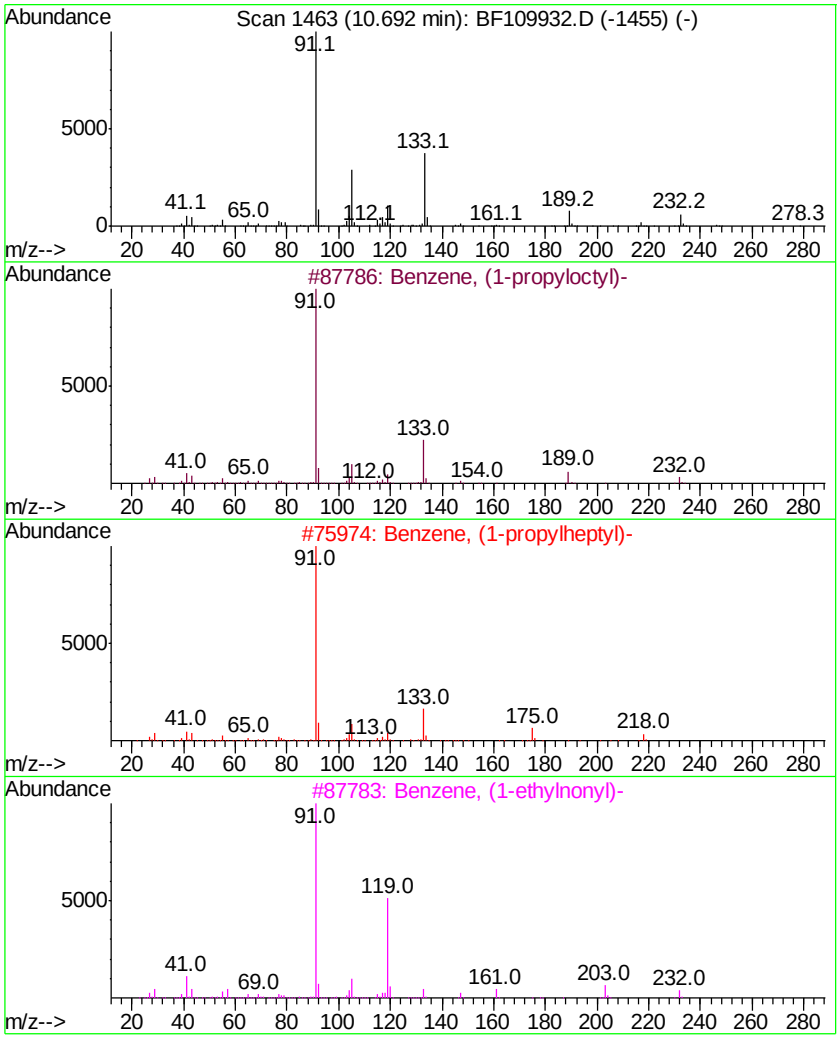
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

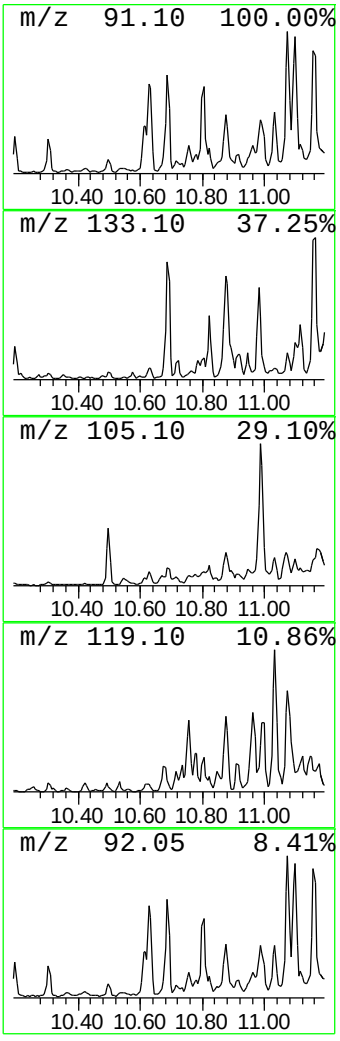
****

Peak Number 9 Benzene, (1-propyloctyl)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.69	34.66 ng	3662700	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-propyloctyl)-	232	C17H28	004536-86-1	93
2	Benzene, (1-propylheptyl)-	218	C16H26	004537-12-6	59
3	Benzene, (1-ethylnonyl)-	232	C17H28	004536-87-2	46
4	Benzene, (1-propylnonyl)-	246	C18H30	002719-64-4	42
5	Benzene, (1-propyldecyl)-	260	C19H32	004534-51-4	40





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Sample : J5536-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 351-SOIL

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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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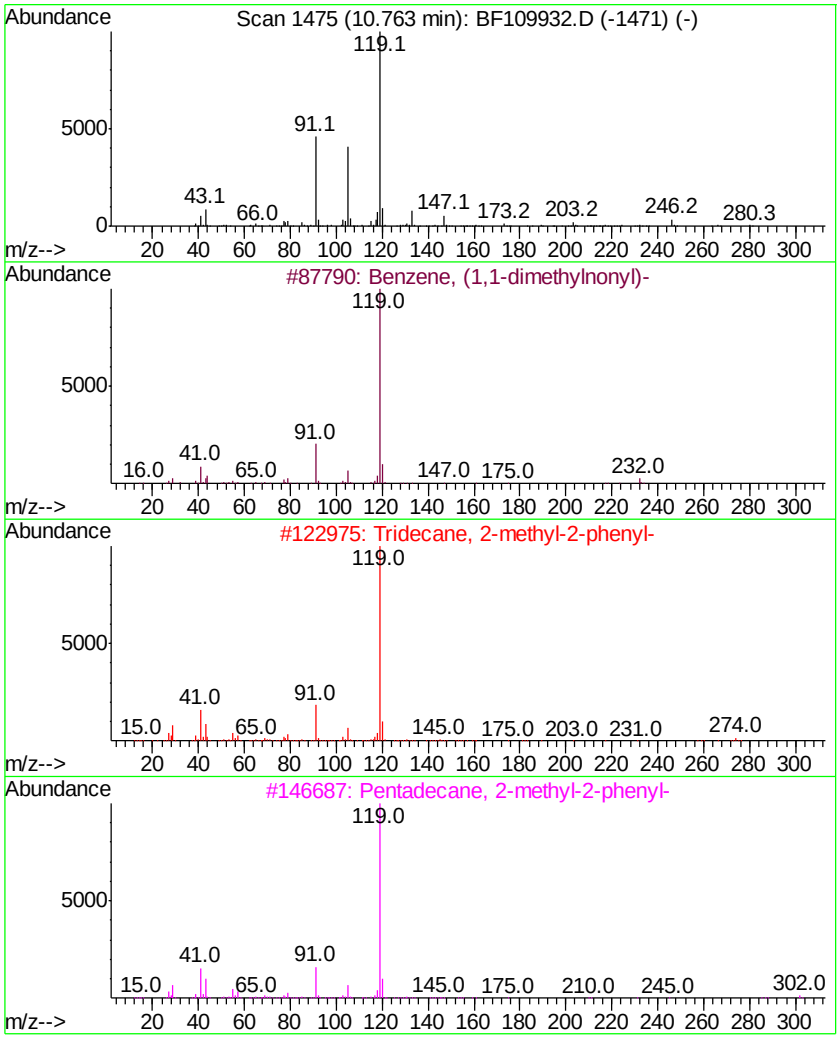
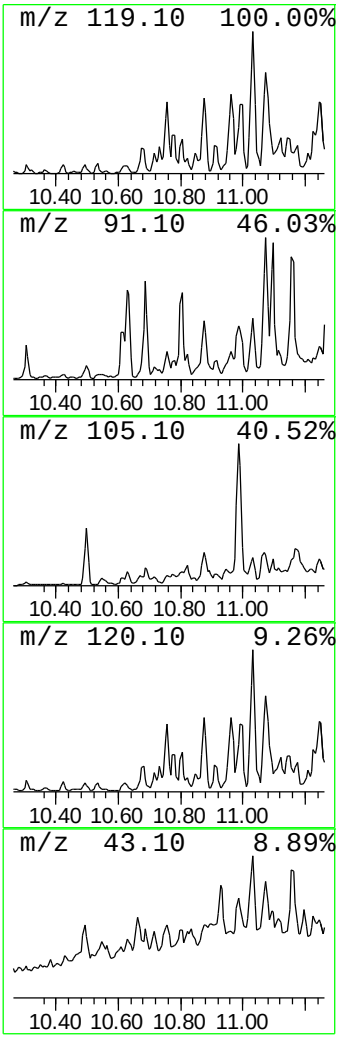
Peak Number 10 Benzene, (1,1-dimethylnonyl)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	15.30 ng	1616290	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,1-dimethylnonyl)-	232	C17H28	055191-25-8	78
2	Tridecane, 2-methyl-2-phenyl-	274	C20H34	027854-41-7	78
3	Pentadecane, 2-methyl-2-phenyl-	302	C22H38	029138-94-1	78
4	Benzene, (1,1,4,6,6-pentamethylh...	246	C18H30	055134-07-1	78
5	Benzene, (1,1-dimethyldecyl)-	246	C18H30	027854-40-6	78





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Misc :
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Instrument : BNA_F
ClientSampleId : 351-SOIL

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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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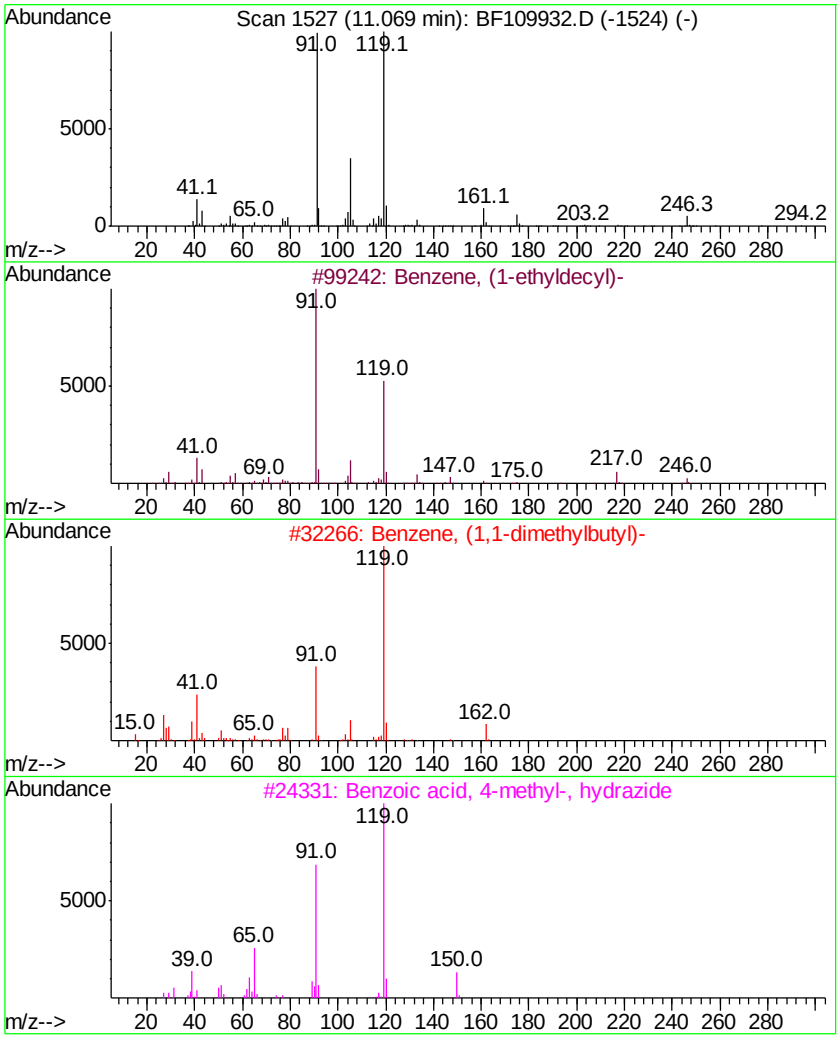
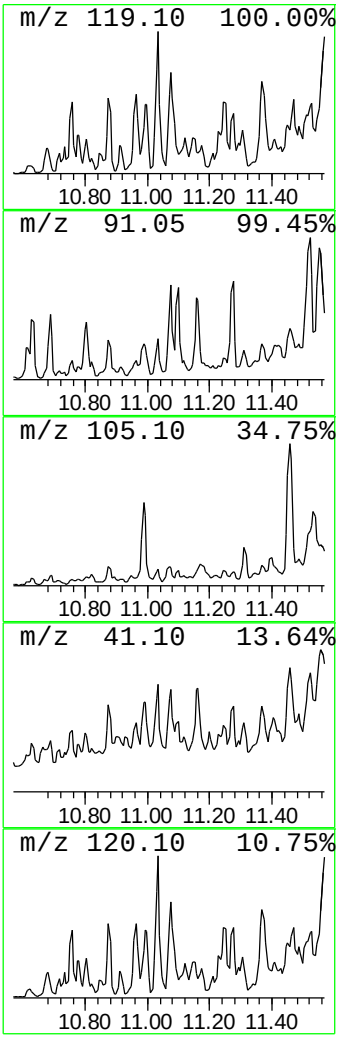
Peak Number 11 Benzene, (1-ethyldecyl)- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	10.49 ng	5717500	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-ethyldecyl)-	246	C18H30	002400-00-2	70
2	Benzene, (1,1-dimethylbutyl)-	162	C12H18	001985-57-5	64
3	Benzoic acid, 4-methyl-, hydrazide	150	C8H10N2O	003619-22-5	53
4	Pentadecane, 2-methyl-2-phenyl-	302	C22H38	029138-94-1	50
5	m-Toluic acid, 2-chlorophenyl ester	246	C14H11ClO2	1000293-76-9	50





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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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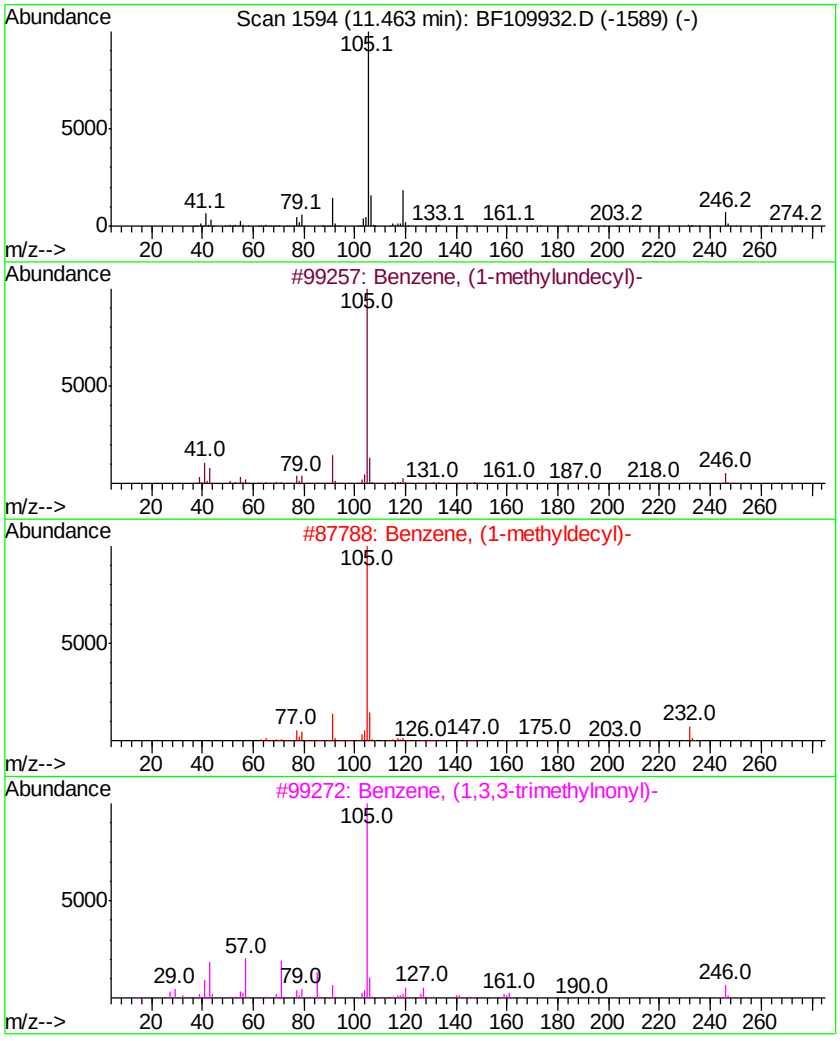
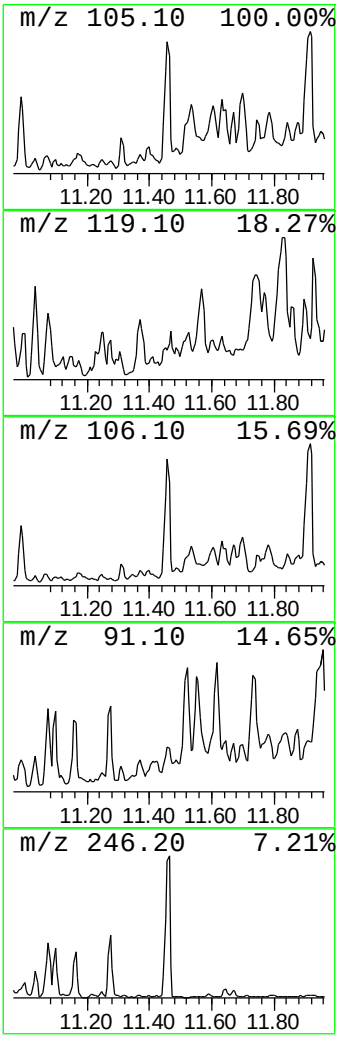
Peak Number 12 Benzene, (1-methylundecyl)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.46	17.28 ng	9417890	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylundecyl)-	246	C18H30	002719-61-1	81
2	Benzene, (1-methyldecyl)-	232	C17H28	004536-88-3	59
3	Benzene, (1,3,3-trimethylnonyl)-	246	C18H30	054986-44-6	53
4	Benzene, (1-methylnonyl)-	218	C16H26	004537-13-7	53
5	1-Hexene, 3-methyl-6-phenyl-4-(1...	294	C21H26O	1000194-52-4	47





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Sample : J5536-01 2X
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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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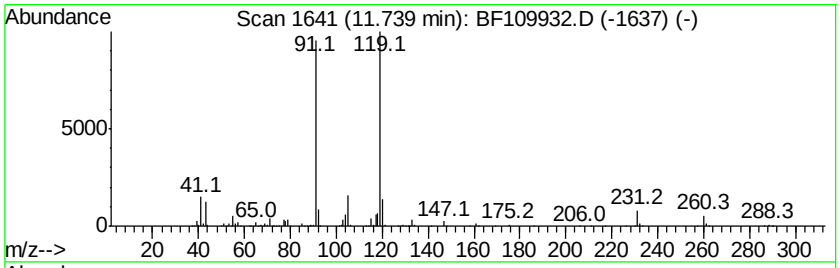
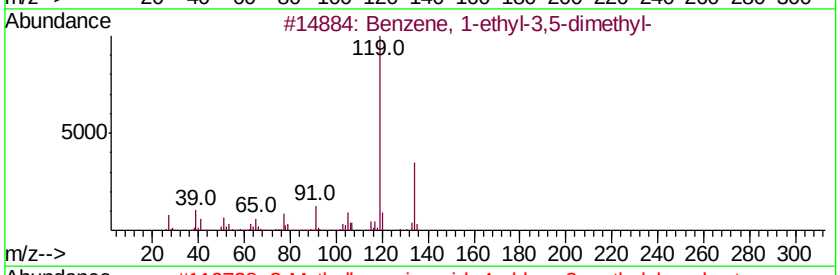
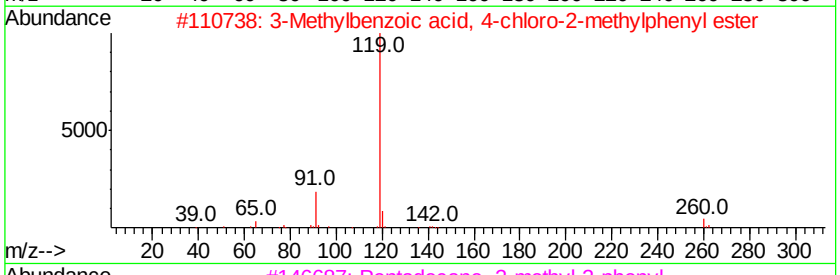
Peak Number 13 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 9

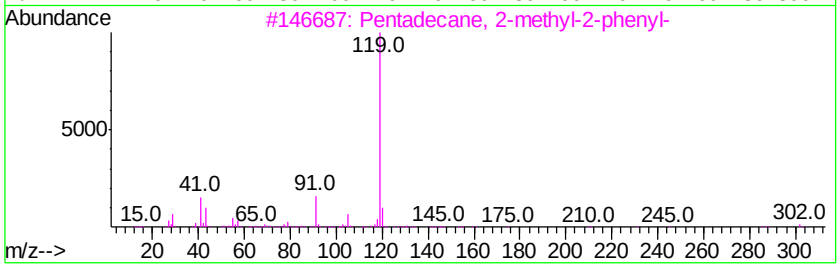
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	19.42 ng	10584400	Phenanthrene-d10	11.52

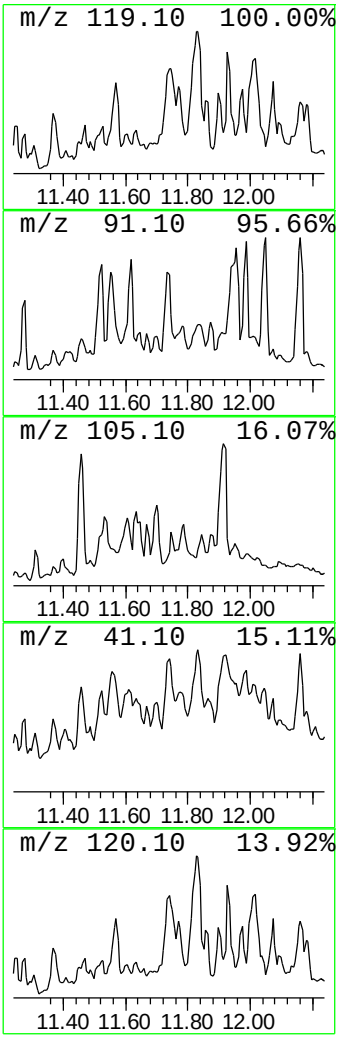
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	64
2	3-Methylbenzoic acid, 4-chloro-2...	260	C15H13ClO2	1000331-26-6	64
3	Pentadecane, 2-methyl-2-phenyl-	302	C22H38	029138-94-1	59
4	Pentadecane, 3-phenyl-	288	C21H36	004534-65-0	59
5	Acetic acid, (2,4-xylyl)-	164	C10H12O2	006331-04-0	59











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Acq On : 17 Oct 2018 20:48
Operator : JU/SJ
Sample : J5536-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 351-SOIL

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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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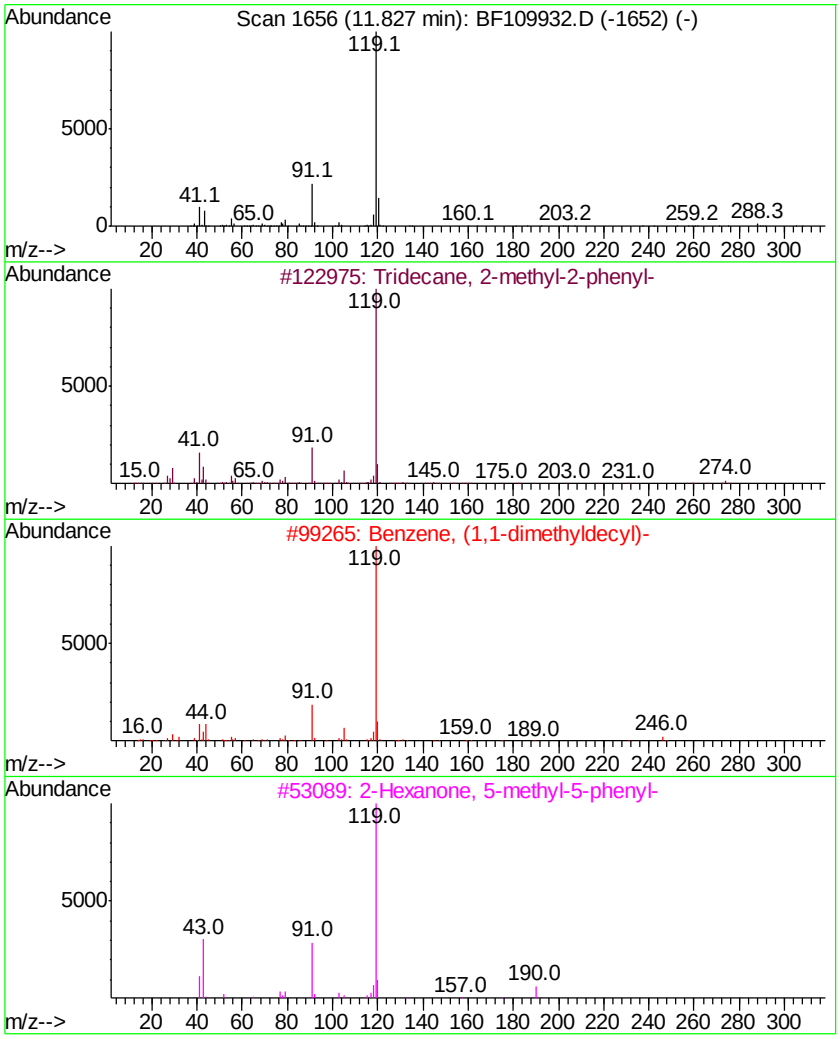
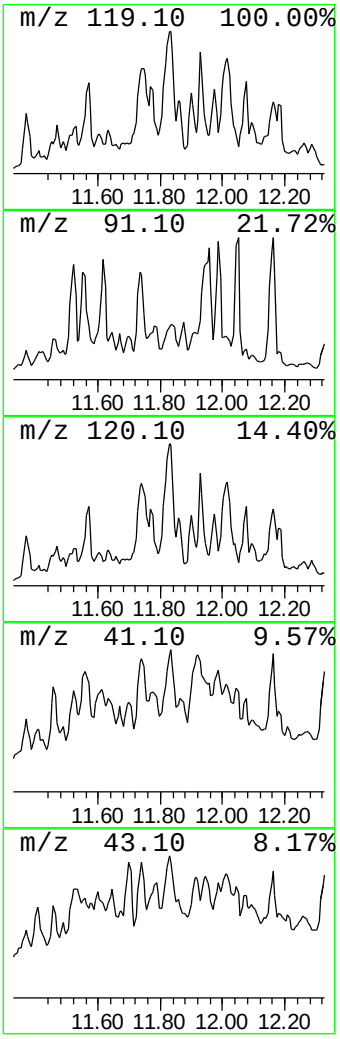
Peak Number 14 Tridecane, 2-methyl-2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	16.03 ng	8734080	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 2-methyl-2-phenyl-	274	C20H34	027854-41-7	78
2	Benzene, (1,1-dimethyldecyl)-	246	C18H30	027854-40-6	78
3	2-Hexanone, 5-methyl-5-phenyl-	190	C13H18O	014128-61-1	78
4	Benzene, (1,1,4,6,6-pentamethylh...	246	C18H30	055134-07-1	74
5	p-Menthane, 2,3-dibromo-8-phenyl-	372	C16H22Br2	1000152-61-6	74





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109932.D
Acq On : 17 Oct 2018 20:48
Operator : JU/SJ
Sample : J5536-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 351-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.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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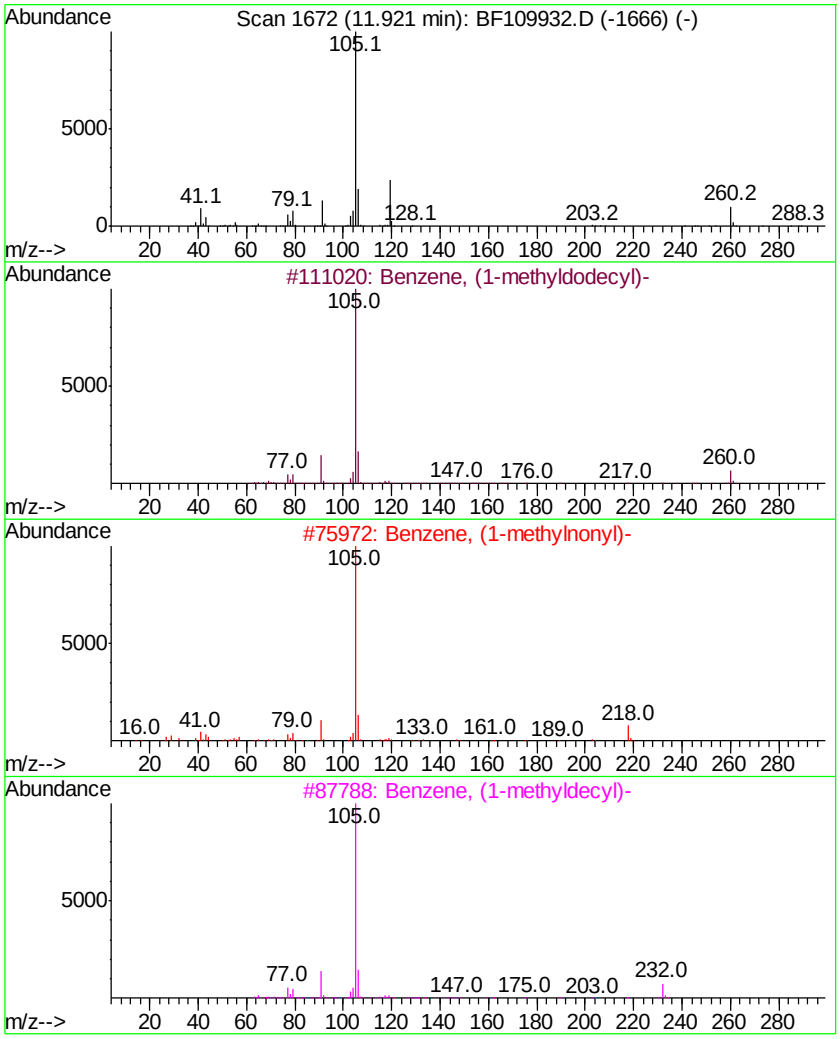
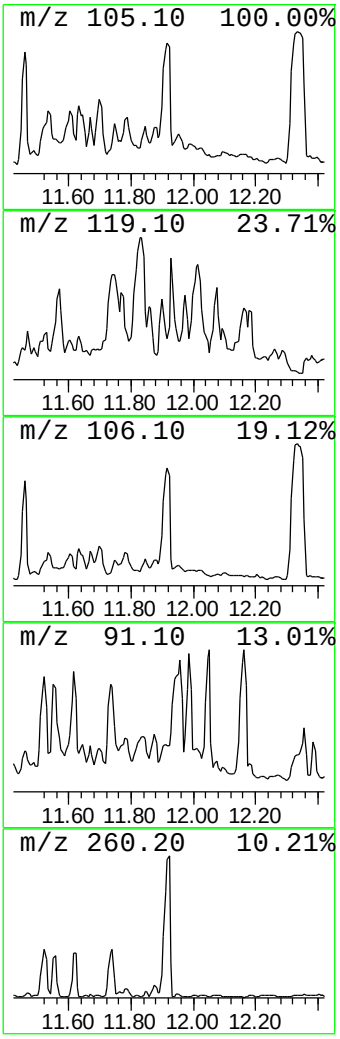
Peak Number 15 Benzene, (1-methyldodecyl)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	21.88 ng	11924000	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyldodecyl)-	260	C19H32	004534-53-6	76
2	Benzene, (1-methylnonyl)-	218	C16H26	004537-13-7	50
3	Benzene, (1-methyldecyl)-	232	C17H28	004536-88-3	50
4	Benzene, (1-methylundecyl)-	246	C18H30	002719-61-1	35
5	3-Methylbenzyl(1-hydroxyprop-2-y...	180	C11H16O2	1000284-47-8	32





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Data File : BF109932.D
Acq On : 17 Oct 2018 20:48
Operator : JU/SJ
Sample : J5536-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 351-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.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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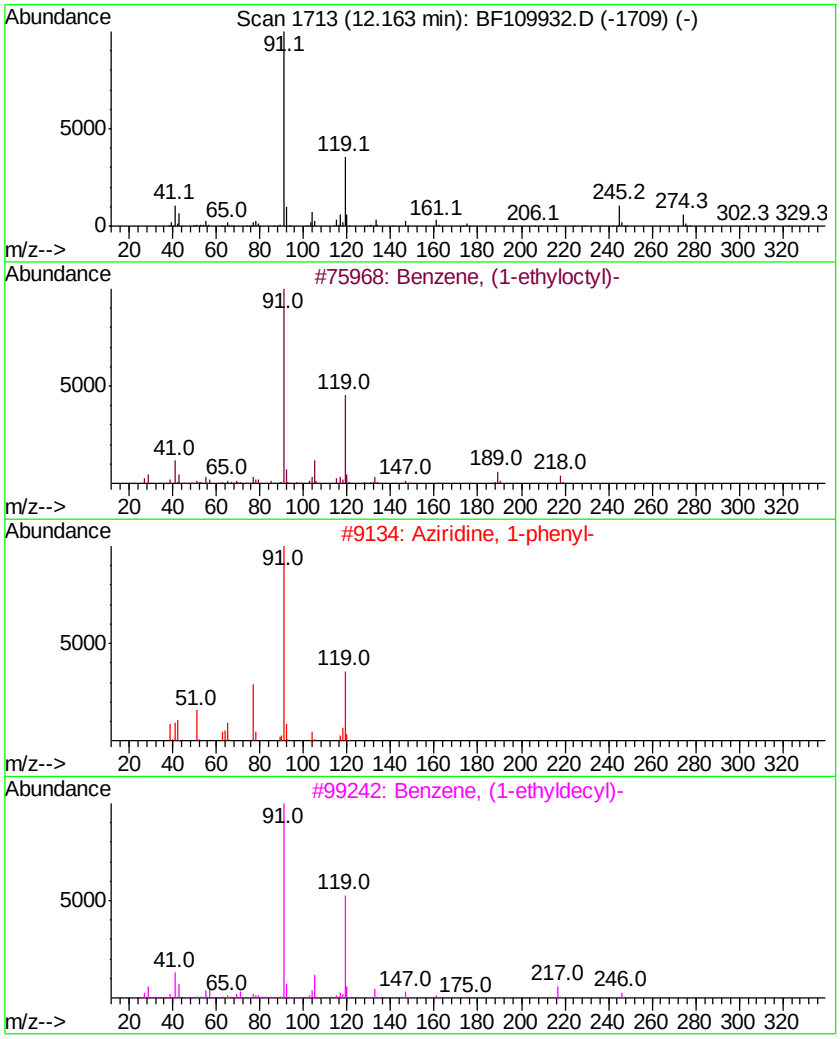
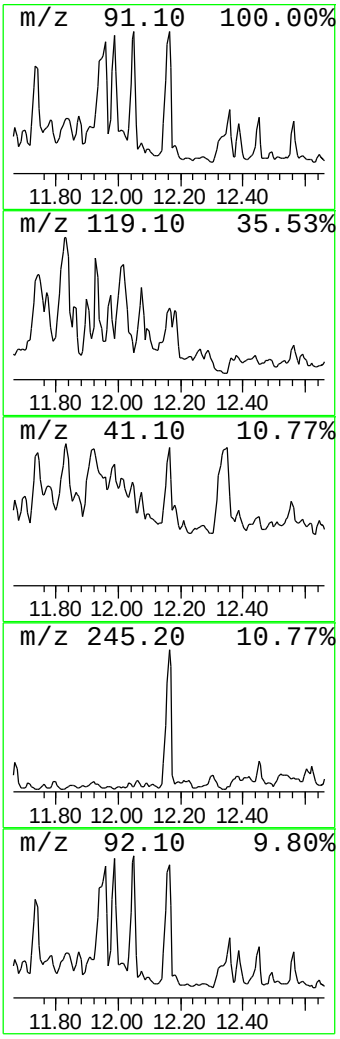
Peak Number 16 Benzene, (1-ethyloctyl)- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	14.20 ng	7739470	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-ethyloctyl)-	218	C16H26	004621-36-7	59
2	Aziridine, 1-phenyl-	119	C8H9N	000696-18-4	52
3	Benzene, (1-ethyldecyl)-	246	C18H30	002400-00-2	46
4	Benzeneacetaldehyde, .alpha.-ethyl-	148	C10H12O	002439-43-2	42
5	Hexane, 3,4-diphenyl-	238	C18H22	005789-31-1	42





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Acq On : 17 Oct 2018 20:48
Operator : JU/SJ
Sample : J5536-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 351-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.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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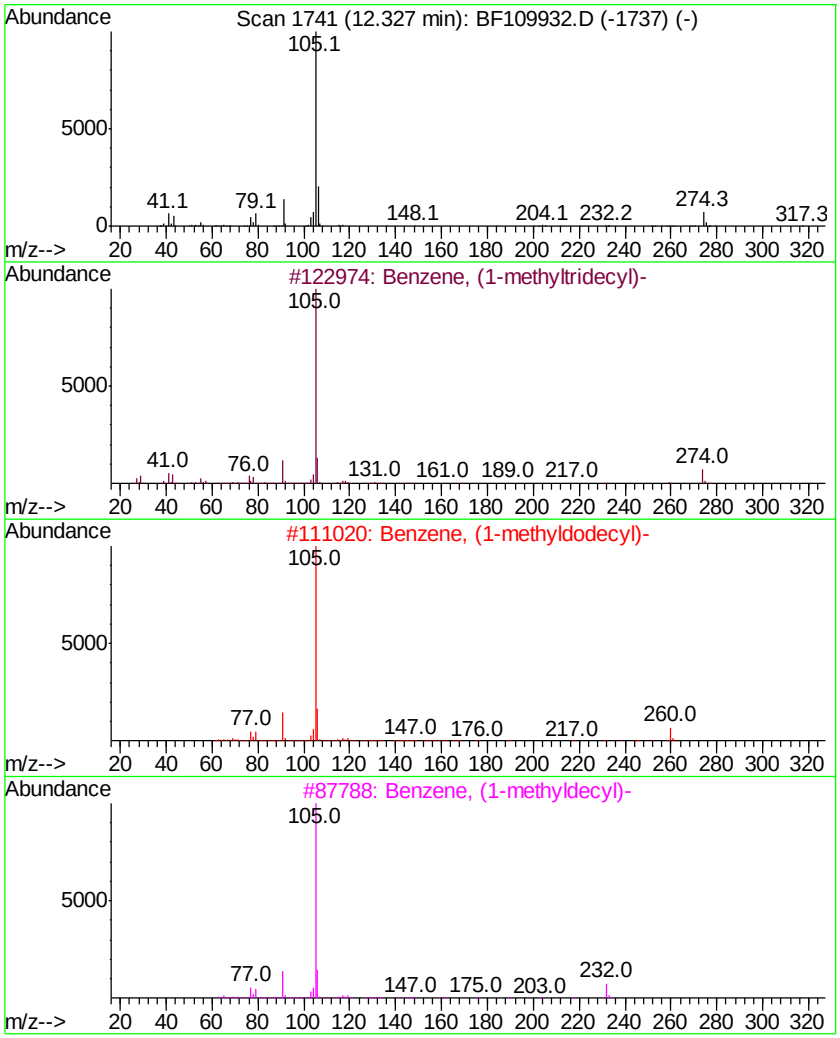
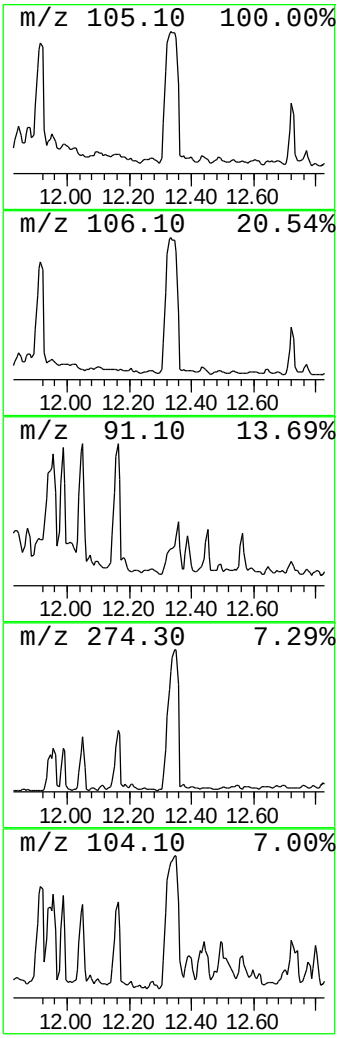
Peak Number 17 Benzene, (1-methyltridecyl)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	23.96 ng	13056000	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyltridecyl)-	274	C20H34	004534-59-2	64
2	Benzene, (1-methyldodecyl)-	260	C19H32	004534-53-6	64
3	Benzene, (1-methyldecyl)-	232	C17H28	004536-88-3	59
4	Benzene, (1-methylnonyl)-	218	C16H26	004537-13-7	53
5	1-Ethanone, 1-[4-[(4-methylpheny...	240	C16H16O2	1000338-24-3	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109932.D
Acq On : 17 Oct 2018 20:48
Operator : JU/SJ
Sample : J5536-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 351-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.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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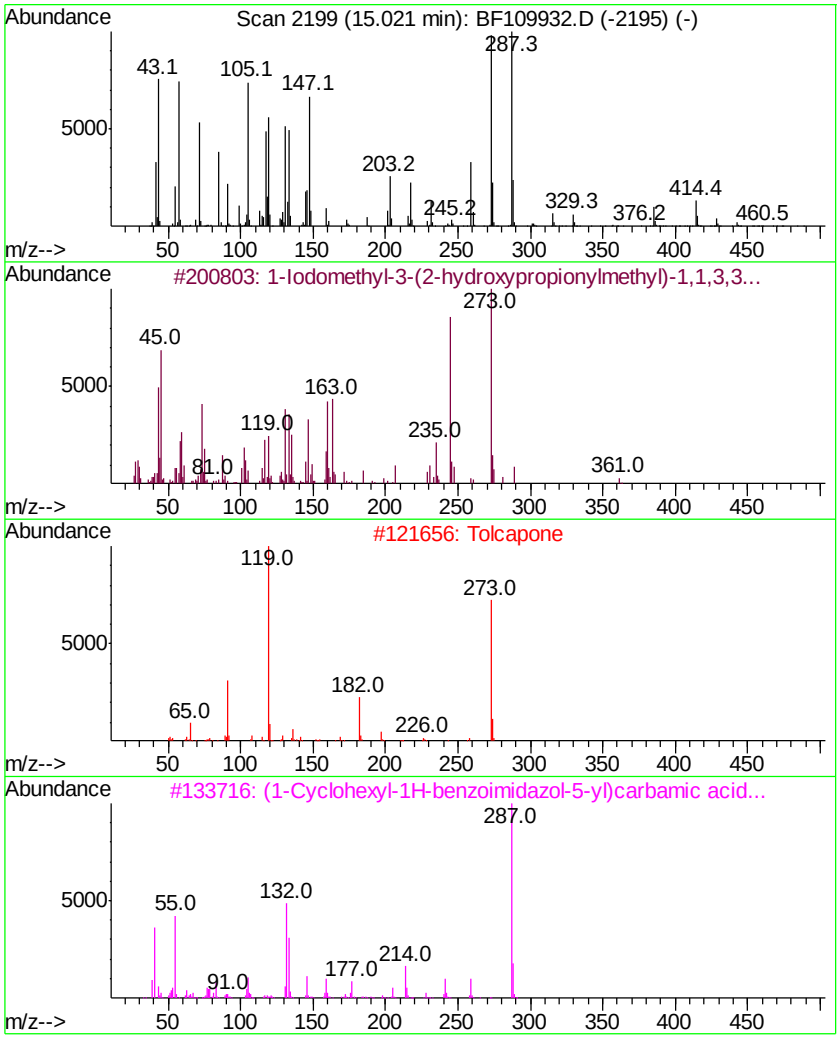
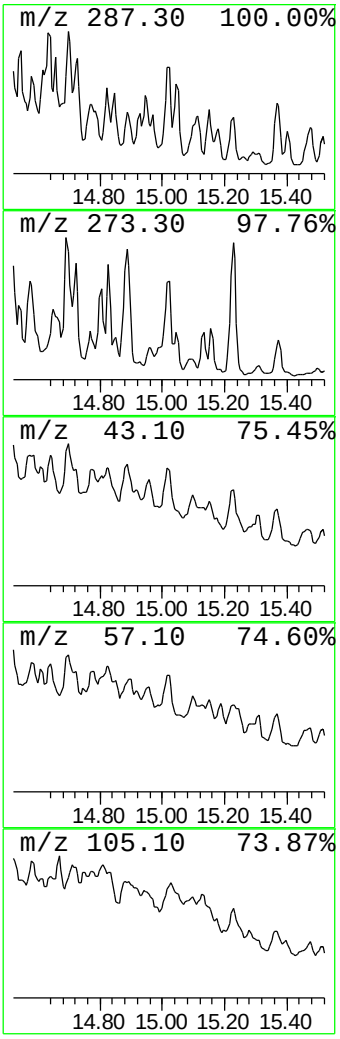
Peak Number 18 unknown15.02 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	32.92 ng	5780870	Perylene-d12	15.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Iodomethyl-3-(2-hydroxypropion...	376	C9H21IO4Si2	1000280-22-1	43
2	Tolcapone	273	C14H11NO5	134308-13-7	22
3	(1-Cyclohexyl-1H-benzoimidazol-5...	287	C16H21N3O2	1000310-00-5	18
4	Pregn-4-en-3-one, 17,21-[[(1,1-d...	414	C25H39BO4	030888-43-8	14
5	1-(Trimethylsilylmethyl)dimethyl...	302	C16H38OSi2	1000216-86-5	12





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109932.D
Acq On : 17 Oct 2018 20:48
Operator : JU/SJ
Sample : J5536-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 351-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.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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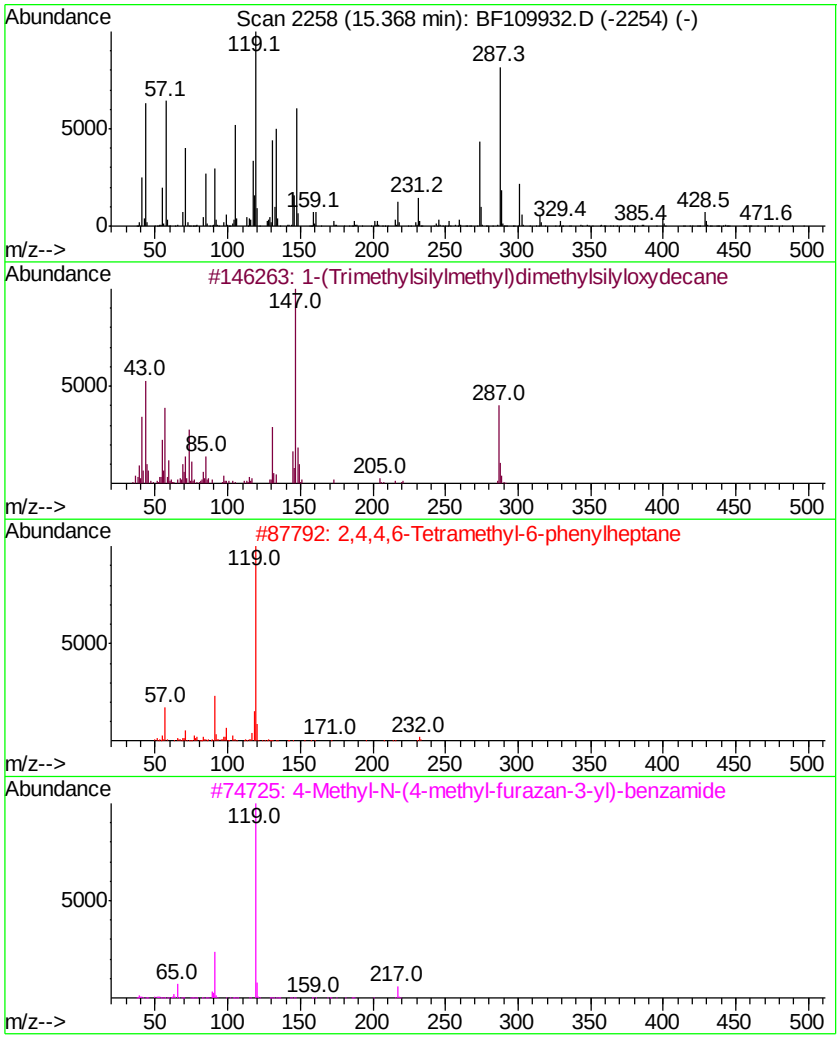
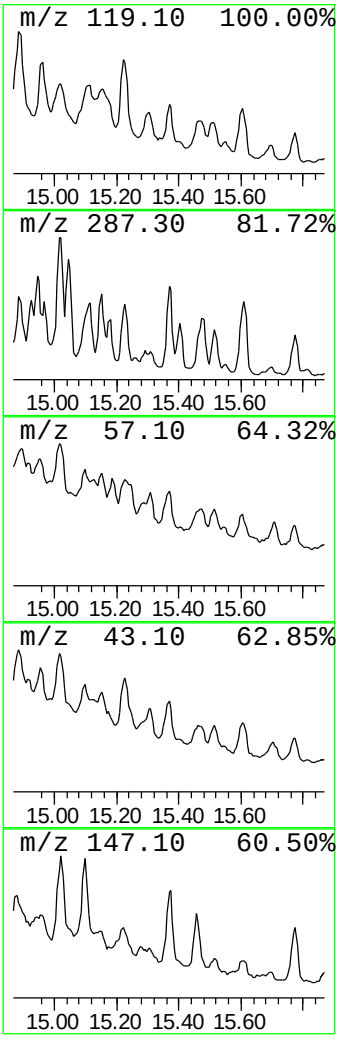
Peak Number 19 unknown15.37 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	17.33 ng	3043740	Perylene-d12	15.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(Trimethylsilylmethyl)dimethyl...	302	C16H38OSi2	1000216-86-5	12
2	2,4,4,6-Tetramethyl-6-phenylheptane	232	C17H28	1000293-28-6	11
3	4-Methyl-N-(4-methyl-furazan-3-y...	217	C11H11N3O2	1000295-66-1	11
4	Benzamide, 2-methyl-N-(1,2,3,4-t...	289	C15H19N3OS	309741-05-7	10
5	o-Toluic acid, 4-chlorophenyl ester	246	C14H11ClO2	1000307-45-5	10





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109932.D
Acq On : 17 Oct 2018 20:48
Operator : JU/SJ
Sample : J5536-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 351-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.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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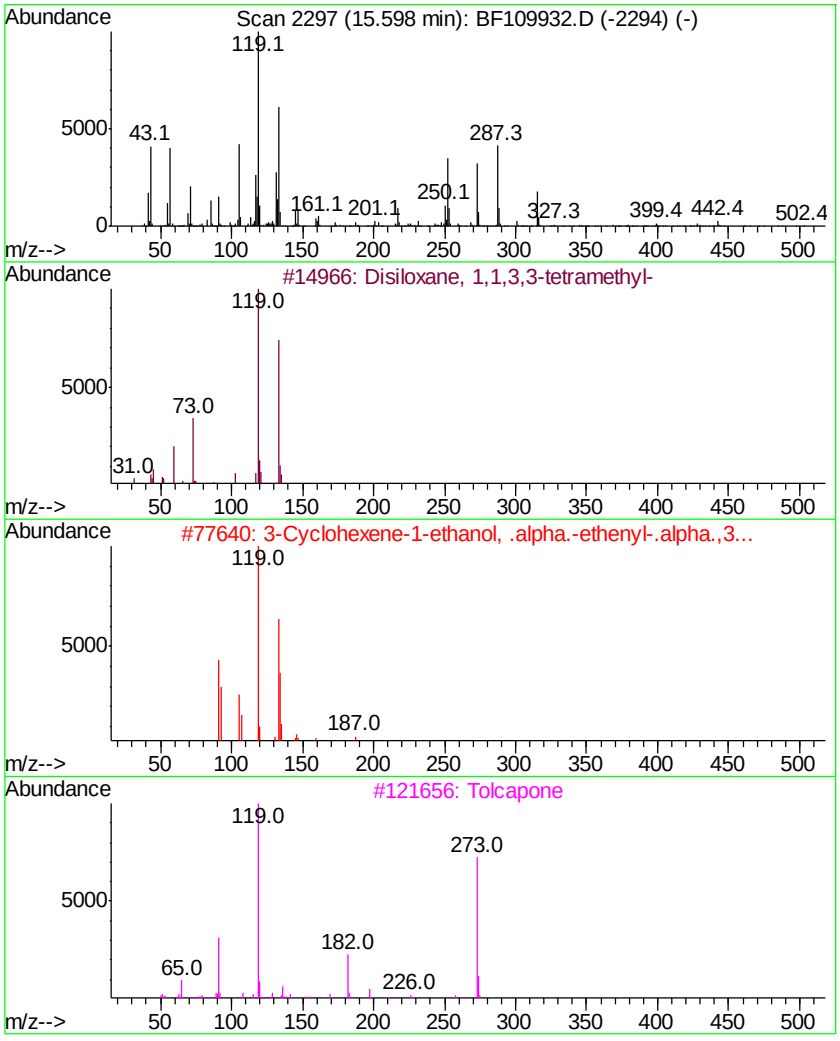
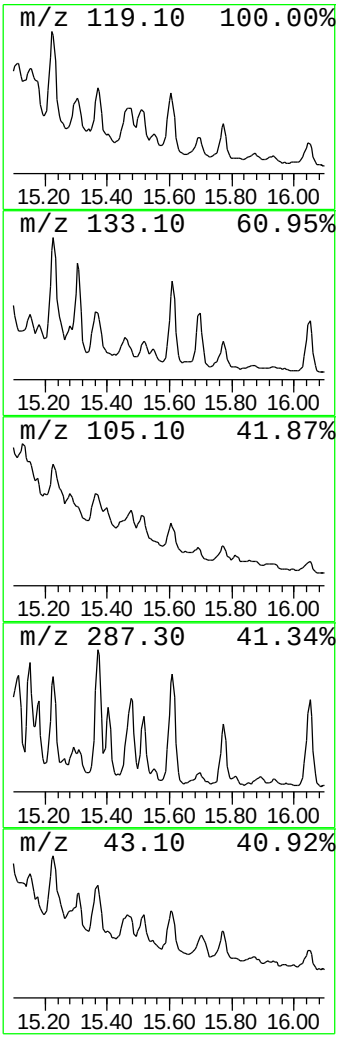
Peak Number 20 unknown15.60 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	20.00 ng	3511870	Perylene-d12	15.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Disiloxane, 1,1,3,3-tetramethyl-	134	C4H14OSi2	003277-26-7	38
2	3-Cyclohexene-1-ethanol, .alpha....	220	C15H24O	055780-93-3	38
3	Tolcapone	273	C14H11NO5	134308-13-7	30
4	Urea, 1-(3,5-dimethyl-[1,2,4]tri...	273	C13H15N5O2	1000316-83-5	27
5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	22





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF101718\
Data File : BF109932.D
Acq On : 17 Oct 2018 20:48
Operator : JU/SJ
Sample : J5536-01 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 351-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.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
unknown6.74	6.74	26.5	ng	2759660	1	6.97	2084110	20.0
Heptadecane, 2,6,...	9.27	14.0	ng	1481210	3	10.02	2113320	20.0
Isobutyl tridecyl...	9.53	22.3	ng	2359650	3	10.02	2113320	20.0
unknown70.49	10.49	27.1	ng	2861360	3	10.02	2113320	20.0
Sulfurous acid, c...	10.55	18.7	ng	1980590	3	10.02	2113320	20.0
Benzene, (1-butyl...	10.62	12.0	ng	1270130	3	10.02	2113320	20.0
Benzene, (1-butyl...	10.63	16.1	ng	1695520	3	10.02	2113320	20.0
Benzene, (1-propy...	10.69	34.7	ng	3662700	3	10.02	2113320	20.0
Benzene, (1,1-dim...	10.76	15.3	ng	1616290	3	10.02	2113320	20.0
Benzene, (1-ethyl...	11.07	10.5	ng	5717500	4	11.52	10897900	20.0
Benzene, (1-methy...	11.46	17.3	ng	9417890	4	11.52	10897900	20.0
Benzene, 1-ethyl-...	11.74	19.4	ng	10584400	4	11.52	10897900	20.0
Tridecane, 2-meth...	11.83	16.0	ng	8734080	4	11.52	10897900	20.0
Benzene, (1-methy...	11.92	21.9	ng	11924000	4	11.52	10897900	20.0
Benzene, (1-ethyl...	12.16	14.2	ng	7739470	4	11.52	10897900	20.0
Benzene, (1-methy...	12.33	24.0	ng	13056000	4	11.52	10897900	20.0
unknown15.02	15.02	32.9	ng	5780870	6	15.73	3511870	20.0
unknown15.37	15.37	17.3	ng	3043740	6	15.73	3511870	20.0
unknown15.60	15.60	20.0	ng	3511870	6	15.73	3511870	20.0