LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080415\
Data File : BF080876.D
Acq On : 5 Aug 2015 11:40
Operator : TP/UM
Sample : G3186-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-4

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-BF080415.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	5.024	253	257	260	rVV	796891	1246397	52.85%	4.427%
2	5.116	261	265	267	rVB	1789135	2358181	100.00%	8.376%
3	5.287	278	280	283	rBV	48633	49193	2.09%	0.175%
4	5.436	290	293	295	rVB	1624599	1848365	78.38%	6.565%
5	5.664	311	313	315	rVB	64002	58508	2.48%	0.208%
6	6.270	363	366	367	rBV	75407	99528	4.22%	0.353%
7	6.293	367	368	370	rVV	130793	114429	4.85%	0.406%
8	6.350	370	373	374	rVV2	50411	86882	3.68%	0.309%
9	6.453	379	382	384	rVV	1226283	1582705	67.12%	5.621%
10	6.487	384	385	390	rVV2	54691	82935	3.52%	0.295%
11	6.590	391	394	397	rVV	1515462	1485916	63.01%	5.278%
12	6.647	397	399	403	rVB	163255	174806	7.41%	0.621%
13	6.819	412	414	418	rBV2	250465	419233	17.78%	1.489%
14	6.979	426	428	431	rVV	1319717	1219863	51.73%	4.333%
15	7.082	435	437	441	rVB3	27724	38959	1.65%	0.138%
16	7.276	451	454	456	rBV	44361	78376	3.32%	0.278%
17	7.310	456	457	460	rVV	40396	47344	2.01%	0.168%
18	7.390	460	464	466	rVB	964075	1136130	48.18%	4.035%
19	7.619	480	484	485	rBV	29160	40337	1.71%	0.143%
20	7.687	487	490	492	rVV	1263632	1122313	47.59%	3.986%
21	7.756	492	496	501	rVV	73684	142987	6.06%	0.508%
22	8.042	520	521	524	rBV3	55760	75670	3.21%	0.269%
23	8.110	524	527	529	rVB	294744	397385	16.85%	1.411%
24	8.293	542	543	545	rVB	63004	45262	1.92%	0.161%
25	8.488	558	560	562	rVB	36316	45591	1.93%	0.162%
26	8.545	562	565	567	rBV2	346517	490368	20.79%	1.742%
27	8.613	569	571	573	rVV	92573	106730	4.53%	0.379%
28	8.773	583	585	588	rBV2	99967	139024	5.90%	0.494%
29	8.899	594	596	599	rBV	390088	398880	16.91%	1.417%
30	8.968	600	602	607	rVB4	18357	44626	1.89%	0.158%
31	9.185	618	621	623	rBV	1540020	1508683	63.98%	5.358%
32	9.471	643	646	649	rBV2	150818	186632	7.91%	0.663%
33	9.516	649	650	652	rVB	74262	52067	2.21%	0.185%
34	9.573	653	655	658	rBV	216753	177579	7.53%	0.631%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080415\
Data File : BF080876.D
Acq On : 5 Aug 2015 11:40
Operator : TP/UM
Sample : G3186-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-4

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-BF080415.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.676	662	664	666	rBV2	109234	119065	5.05%	0.423%
36	9.722	666	668	669	rBV	37851	44875	1.90%	0.159%
37	9.802	673	675	677	rVB	35669	49763	2.11%	0.177%
38	9.859	677	680	681	rBV	349550	348718	14.79%	1.239%
39	9.996	690	692	696	rBV	142554	231640	9.82%	0.823%
40	10.133	701	704	706	rVB	39571	45846	1.94%	0.163%
41	10.213	706	711	714	rBV	75558	86241	3.66%	0.306%
42	10.271	714	716	721	rVB3	31822	67560	2.86%	0.240%
43	10.408	725	728	730	rVB2	97638	101029	4.28%	0.359%
44	10.488	732	735	737	rBV	216695	266477	11.30%	0.946%
45	10.636	746	748	751	rBV2	635568	719469	30.51%	2.555%
46	10.762	757	759	763	rBV	27329	44079	1.87%	0.157%
47	10.854	766	767	769	rBV	32829	44029	1.87%	0.156%
48	11.082	783	787	791	rBV	50024	68824	2.92%	0.244%
49	11.208	796	798	800	rBV	41867	49196	2.09%	0.175%
50	11.334	807	809	810	rBV	336633	280400	11.89%	0.996%
51	11.414	813	816	818	rVB	29613	42814	1.82%	0.152%
52	11.871	854	856	857	rVV2	88112	94866	4.02%	0.337%
53	11.905	857	859	861	rVV2	33180	63016	2.67%	0.224%
54	11.939	861	862	867	rVB2	35041	74588	3.16%	0.265%
55	12.122	876	878	883	rVB	78527	92251	3.91%	0.328%
56	12.259	888	890	892	rVV	193031	208575	8.84%	0.741%
57	12.317	893	895	897	rVV	55138	53939	2.29%	0.192%
58	12.351	897	898	900	rVV	55985	49914	2.12%	0.177%
59	12.545	913	915	917	rBV	270042	277344	11.76%	0.985%
60	12.682	922	927	928	rBV	160947	162902	6.91%	0.579%
61	12.774	931	935	936	rBV2	168799	314217	13.32%	1.116%
62	12.819	936	939	942	rVB4	30883	54793	2.32%	0.195%
63	12.922	946	948	950	rVB	796923	812885	34.47%	2.887%
64	13.037	956	958	960	rVV	250856	238751	10.12%	0.848%
65	13.094	962	963	965	rVB	54280	51121	2.17%	0.182%
66	13.162	967	969	971	rBV	50603	52060	2.21%	0.185%
67	13.197	971	972	976	rVB2	26278	38753	1.64%	0.138%
68	13.265	976	978	981	rBV	542736	497497	21.10%	1.767%
69	13.322	981	983	985	rVB	59647	64233	2.72%	0.228%
70	13.391	988	989	993	rVB2	51651	69803	2.96%	0.248%
71	13.482	993	997	1004	rBV4	48932	117277	4.97%	0.417%

LSC Area Percent Report

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Acq On : 5 Aug 2015 11:40
Operator : TP/UM
Sample : G3186-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-4

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:\HPCHEM1\BNA_F\METHODS\8270-BF080415.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.585	1004	1006	1010	rBV2	27294	63789	2.71%	0.227%
73	13.711	1014	1017	1019	rBV	57565	79045	3.35%	0.281%
74	13.768	1019	1022	1024	rVB4	40215	57502	2.44%	0.204%
75	13.802	1024	1025	1029	rVB2	22513	40872	1.73%	0.145%
76	13.917	1032	1035	1037	rBV2	525612	884676	37.52%	3.142%
77	13.962	1037	1039	1047	rVB2	475042	861879	36.55%	3.061%
78	14.180	1056	1058	1061	rVB3	31140	48269	2.05%	0.171%
79	14.294	1065	1068	1069	rBV2	32866	46644	1.98%	0.166%
80	14.351	1069	1073	1075	rVB3	72699	115971	4.92%	0.412%
81	14.442	1077	1081	1083	rBV3	48863	84908	3.60%	0.302%
82	14.488	1083	1085	1088	rBV	333912	386140	16.37%	1.371%
83	14.648	1097	1099	1104	rVB5	20858	52065	2.21%	0.185%
84	14.842	1114	1116	1119	rVB	52581	67852	2.88%	0.241%
85	14.980	1125	1128	1133	rBV	182801	467374	19.82%	1.660%
86	15.071	1133	1136	1138	rVB2	65553	116349	4.93%	0.413%
87	15.254	1150	1152	1155	rVB	110164	164272	6.97%	0.583%
88	15.311	1155	1157	1160	rBV	127570	168734	7.16%	0.599%
89	15.380	1160	1163	1165	rBV	283884	373901	15.86%	1.328%
90	15.505	1172	1174	1178	rVB2	49538	94832	4.02%	0.337%
91	15.597	1180	1182	1187	rVB2	77341	143947	6.10%	0.511%
92	15.837	1200	1203	1212	rVB2	76459	181725	7.71%	0.645%
93	16.043	1219	1221	1227	rVB5	29771	73780	3.13%	0.262%
94	16.134	1227	1229	1237	rVB8	20374	48334	2.05%	0.172%
95	16.443	1254	1256	1263	rVB6	33357	79249	3.36%	0.281%
96	16.728	1279	1281	1286	rVB2	53356	107826	4.57%	0.383%
97	17.140	1314	1317	1324	rVB	48274	109594	4.65%	0.389%
98	17.826	1375	1377	1383	rVB4	17457	47236	2.00%	0.168%
99	18.511	1434	1437	1445	rVB3	14530	43798	1.86%	0.156%
100	19.209	1496	1498	1505	rVB3	14290	44159	1.87%	0.157%

Sum of corrected areas: 28155416

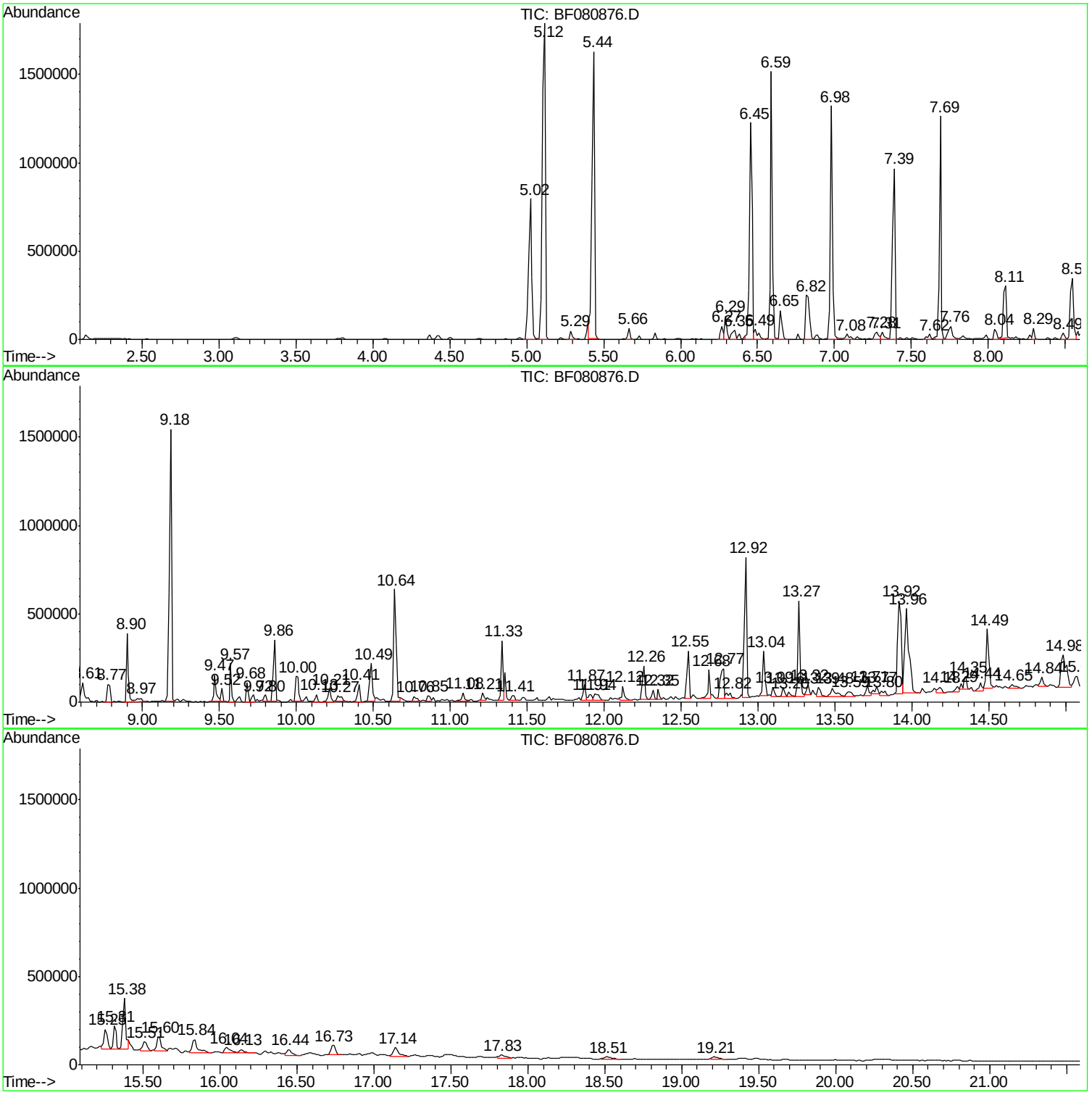
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080415\
Data File : BF080876.D
Acq On : 5 Aug 2015 11:40
Operator : TP/UM
Sample : G3186-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080415\
Data File : BF080876.D
Acq On : 5 Aug 2015 11:40
Operator : TP/UM
Sample : G3186-01
Misc :
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

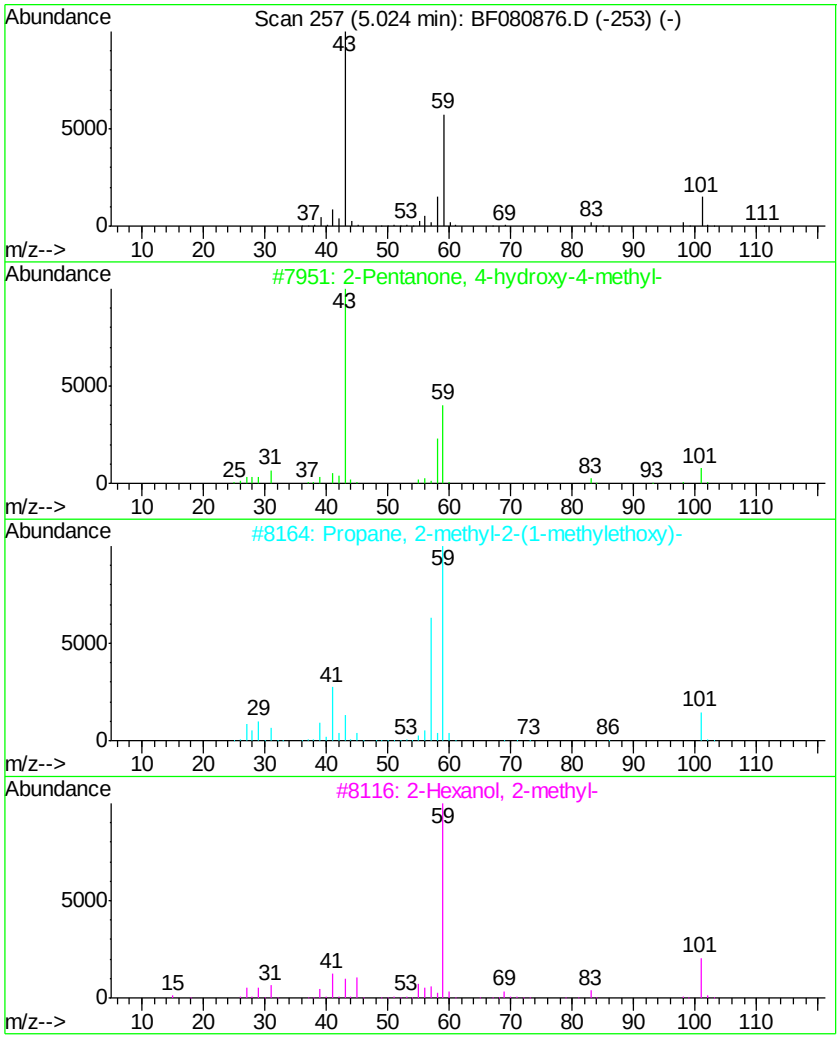
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

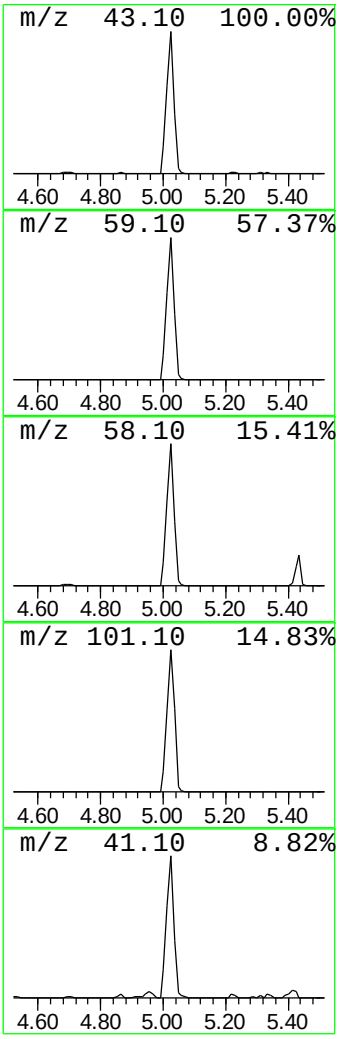
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	59.46 ng	1246400	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	42
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080415\
Data File : BF080876.D
Acq On : 5 Aug 2015 11:40
Operator : TP/UM
Sample : G3186-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

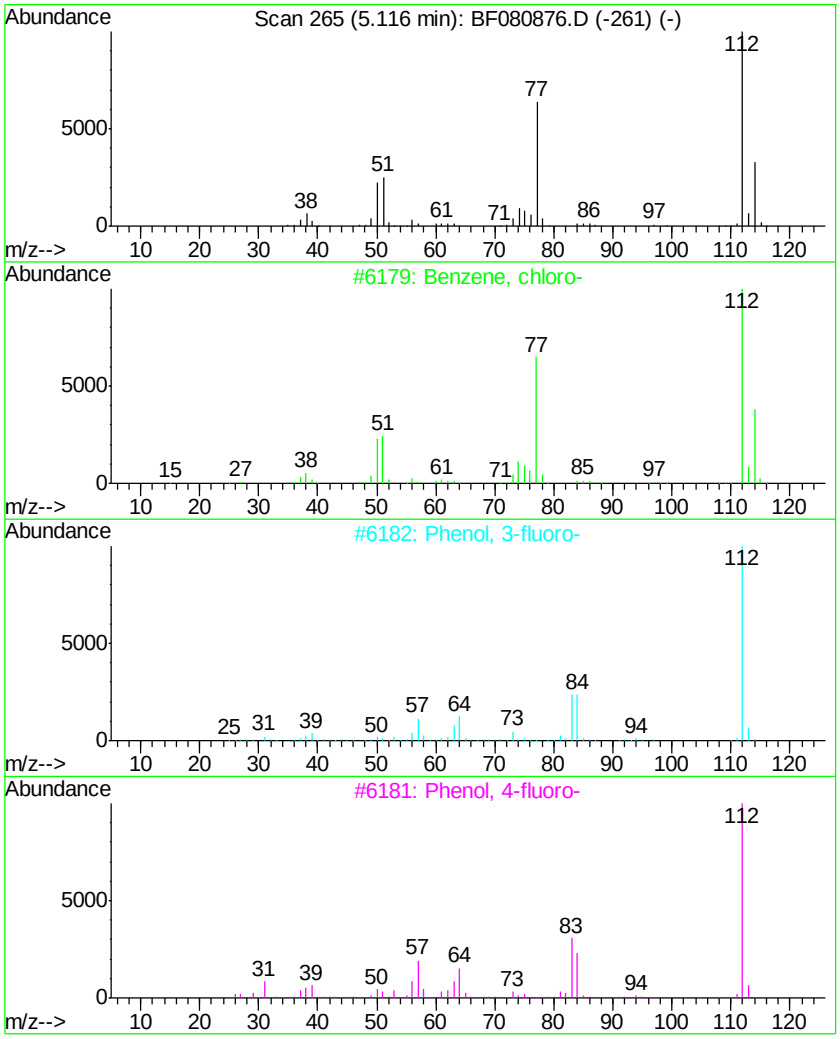
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

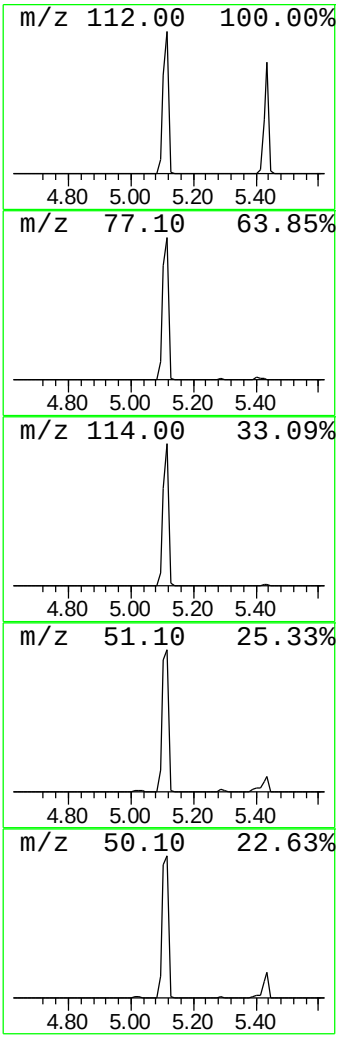
****

Peak Number 2 Benzene, chloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.12	112.50 ng	2358180	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, chloro-	112	C6H5Cl	000108-90-7	97
2	Phenol, 3-fluoro-	112	C6H5FO	000372-20-3	30
3	Phenol, 4-fluoro-	112	C6H5FO	000371-41-5	17
4	3-Nitropyrrole	112	C4H4N2O2	005930-94-9	9
5	2-Furancarboxylic acid	112	C5H4O3	000088-14-2	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080415\
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Acq On : 5 Aug 2015 11:40
Operator : TP/UM
Sample : G3186-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

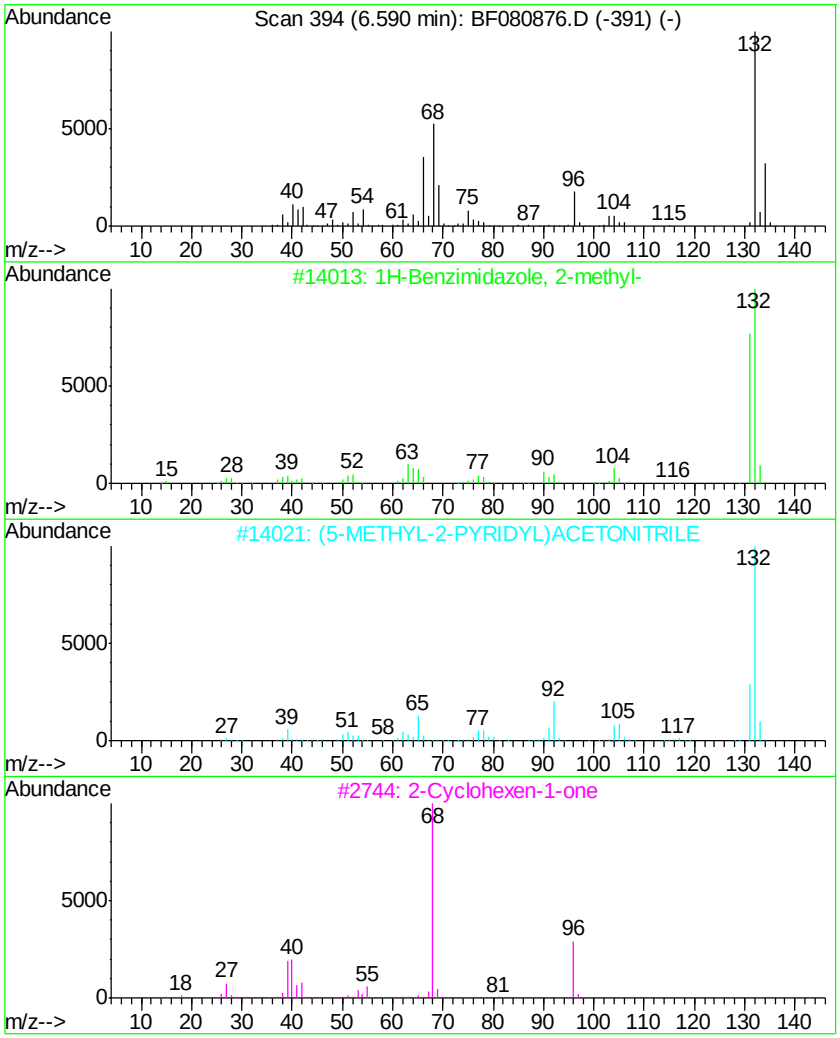
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

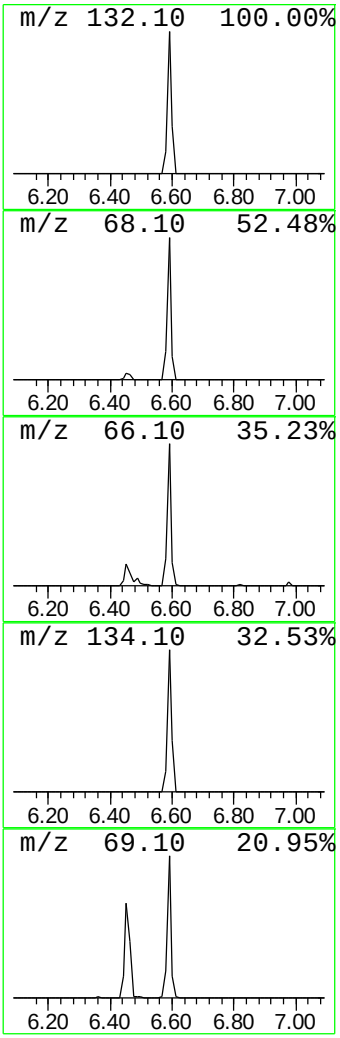
****

Peak Number 3 unknown6.59 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	70.89 ng	1485920	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
2	(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10
3	2-Cyclohexen-1-one	96	C6H8O	000930-68-7	10
4	1,1-Difluoro-3-methyl-1-silacycl...	134	C5H8F2Si	054077-66-6	9
5	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080415\
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Acq On : 5 Aug 2015 11:40
Operator : TP/UM
Sample : G3186-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

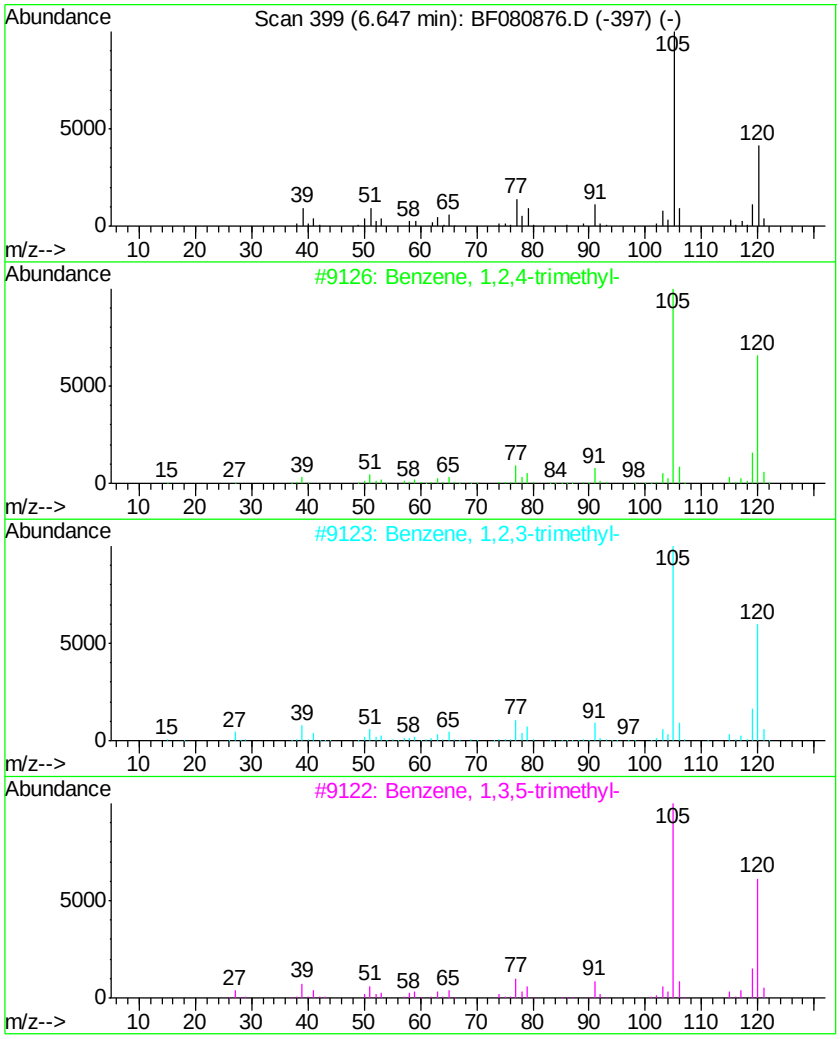
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

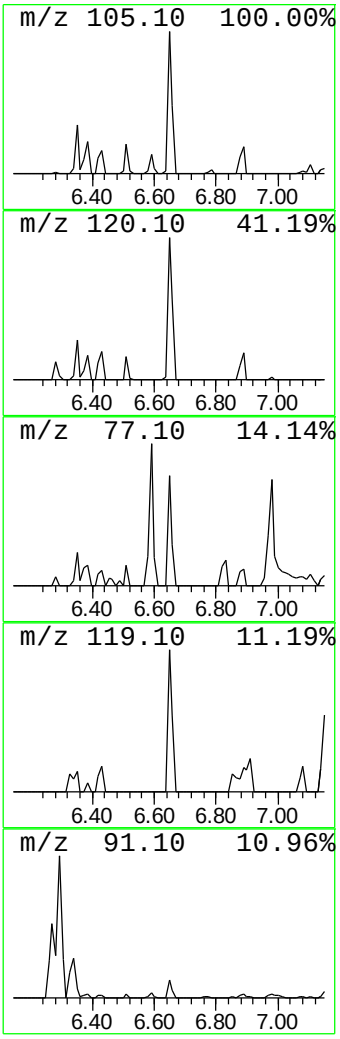
****

Peak Number 4 Benzene, 1,2,4-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	8.34 ng	174806	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	93
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080415\
Data File : BF080876.D
Acq On : 5 Aug 2015 11:40
Operator : TP/UM
Sample : G3186-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

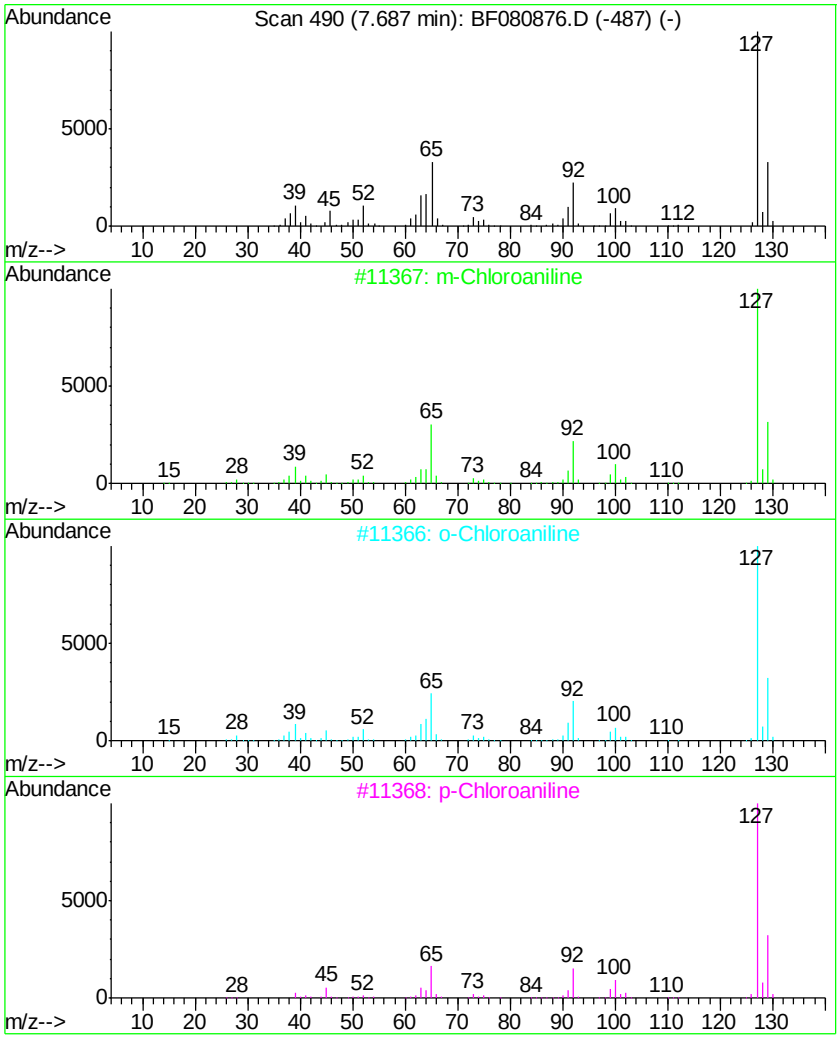
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

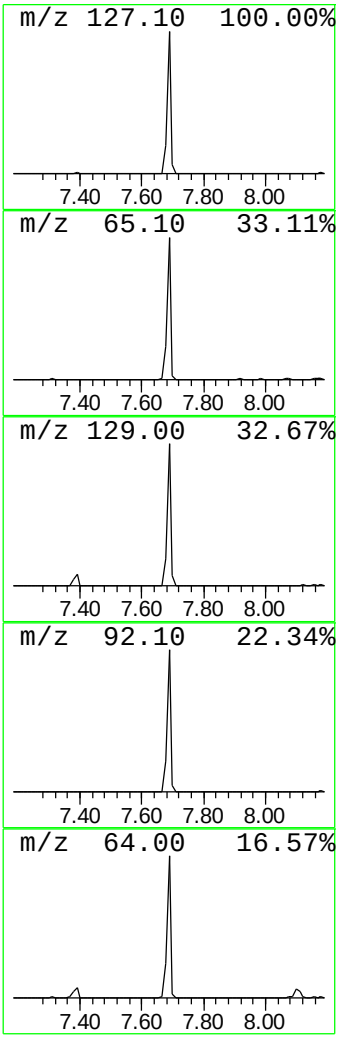
****

Peak Number 6 m-Chloroaniline Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.69	56.48 ng	1122310	Naphthalene-d8	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	m-Chloroaniline	127	C6H6ClN	000108-42-9	97
2	o-Chloroaniline	127	C6H6ClN	000095-51-2	96
3	p-Chloroaniline	127	C6H6ClN	000106-47-8	90
4	Picloxydine	474	C20H24Cl2N10	005636-92-0	90
5	4-Chloro-2-picoline	127	C6H6ClN	003678-63-5	64





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080415\
Data File : BF080876.D
Acq On : 5 Aug 2015 11:40
Operator : TP/UM
Sample : G3186-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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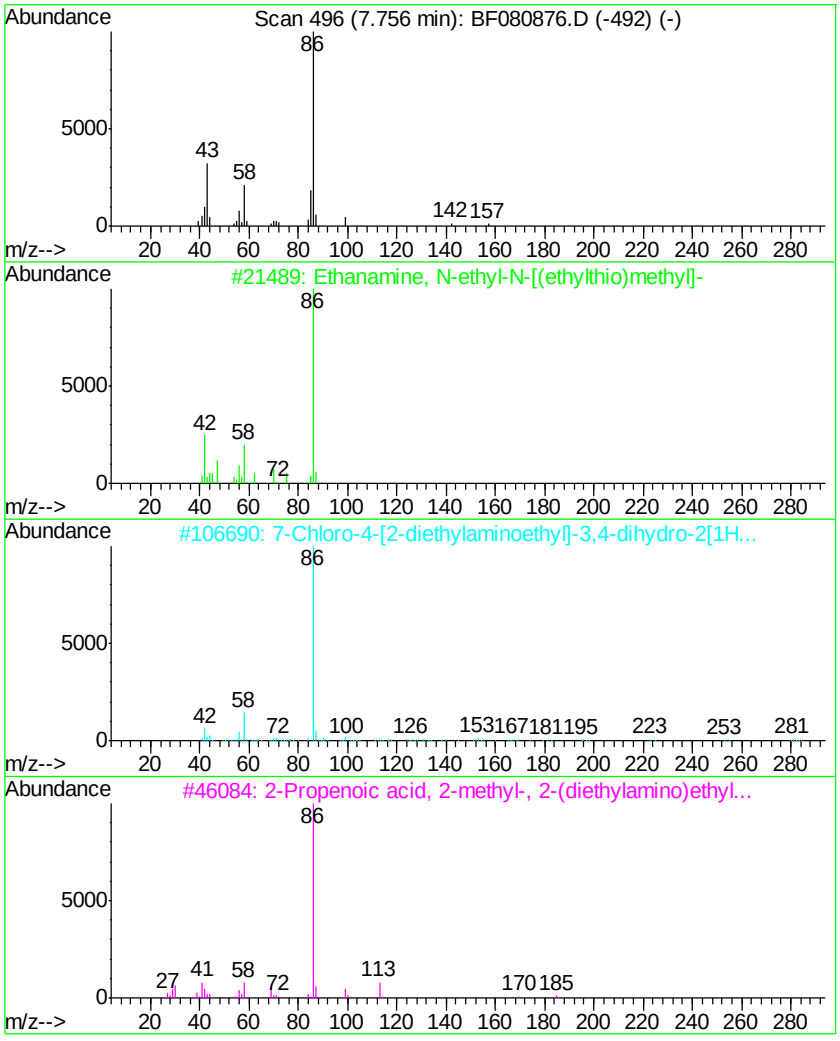
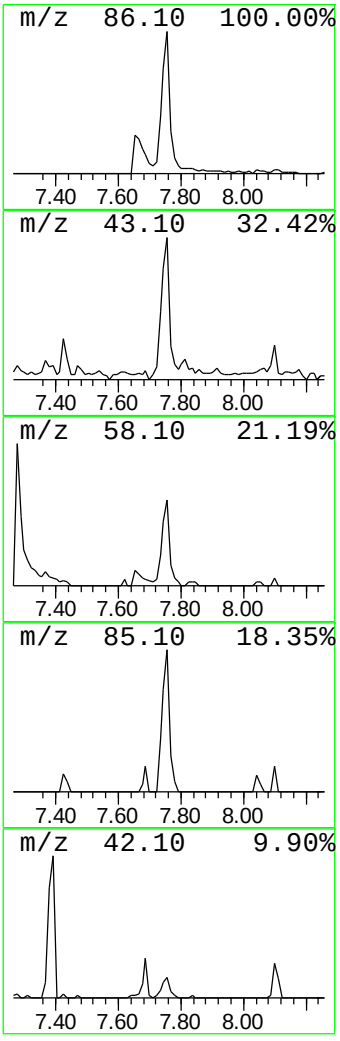
Peak Number 7 Ethanamine, N-ethyl-N-[(eth... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.76	7.20 ng	142987	Naphthalene-d8	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanamine, N-ethyl-N-[(ethylthi...	147	C7H17NS	003492-79-3	72
2	7-Chloro-4-[2-diethylaminoethyl]...	281	C14H20ClN3O	1000254-56-0	72
3	2-Propenoic acid, 2-methyl-, 2-(...	185	C10H19NO2	000105-16-8	64
4	3-Buten-1-amine, N,N-diethyl-	127	C8H17N	015431-05-7	64
5	Methanediamine, N,N,N',N'-tetrae...	158	C9H22N2	000102-53-4	59





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Operator : TP/UM
Sample : G3186-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-4

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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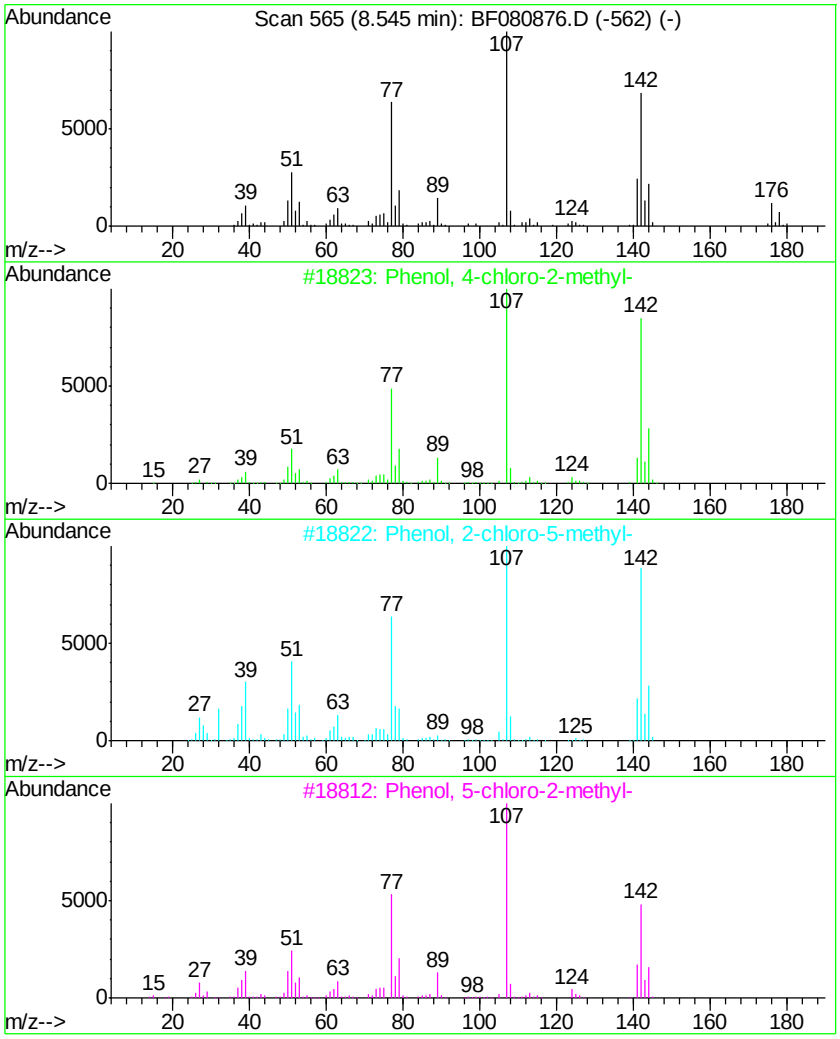
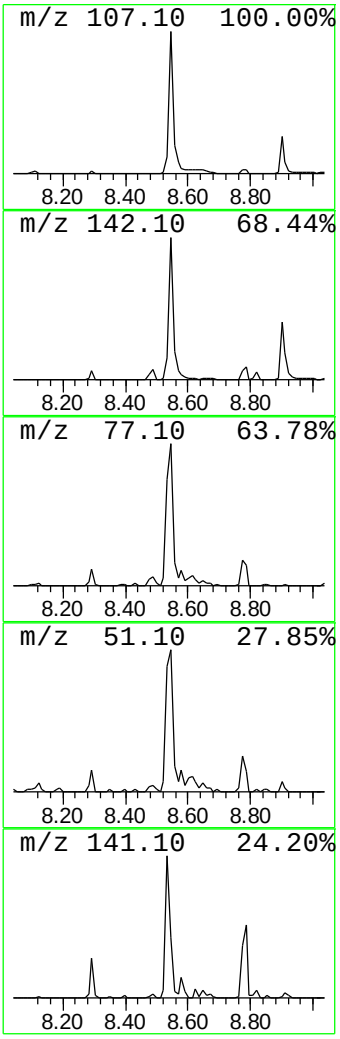
Peak Number 8 Phenol, 4-chloro-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.54	24.68 ng	490368	Naphthalene-d8	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-chloro-2-methyl-	142	C7H7ClO	001570-64-5	95
2	Phenol, 2-chloro-5-methyl-	142	C7H7ClO	000615-74-7	92
3	Phenol, 5-chloro-2-methyl-	142	C7H7ClO	005306-98-9	91
4	Phenol, 4-chloro-3-methyl-	142	C7H7ClO	000059-50-7	91
5	Phenol, 3-chloro-4-methyl-	142	C7H7ClO	000615-62-3	90





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ClientSampleId : SOIL-4

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TIC Integration Parameters: LSCINT.P

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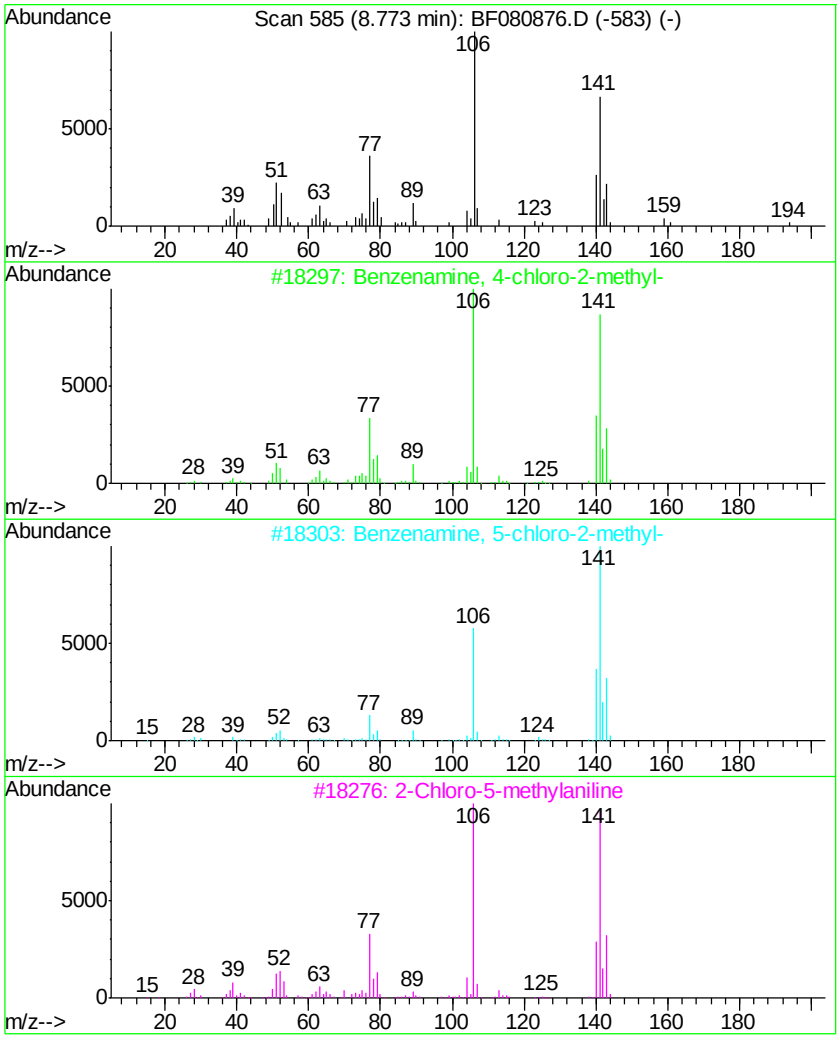
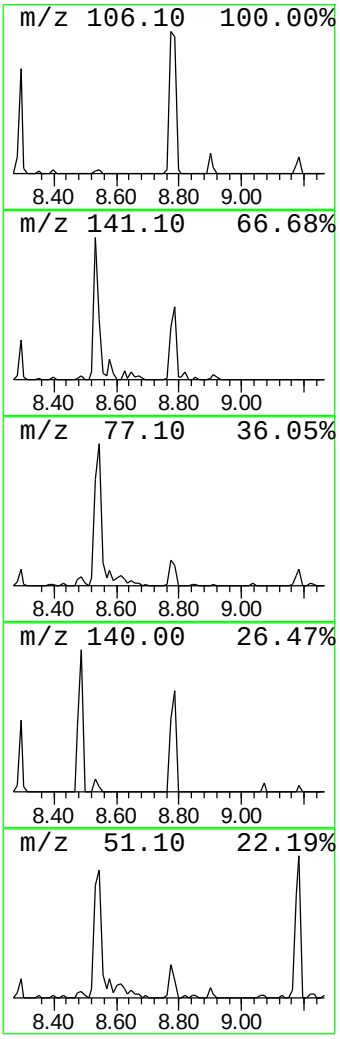
Peak Number 9 Benzenamine, 4-chloro-2-met... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.77	7.00 ng	139024	Naphthalene-d8	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 4-chloro-2-methyl-	141	C7H8ClN	000095-69-2	97
2	Benzenamine, 5-chloro-2-methyl-	141	C7H8ClN	000095-79-4	94
3	2-Chloro-5-methylaniline	141	C7H8ClN	000095-81-8	94
4	Benzenamine, 2-chloro-6-methyl-	141	C7H8ClN	000087-63-8	94
5	Benzenamine, 3-chloro-2-methyl-	141	C7H8ClN	000087-60-5	94





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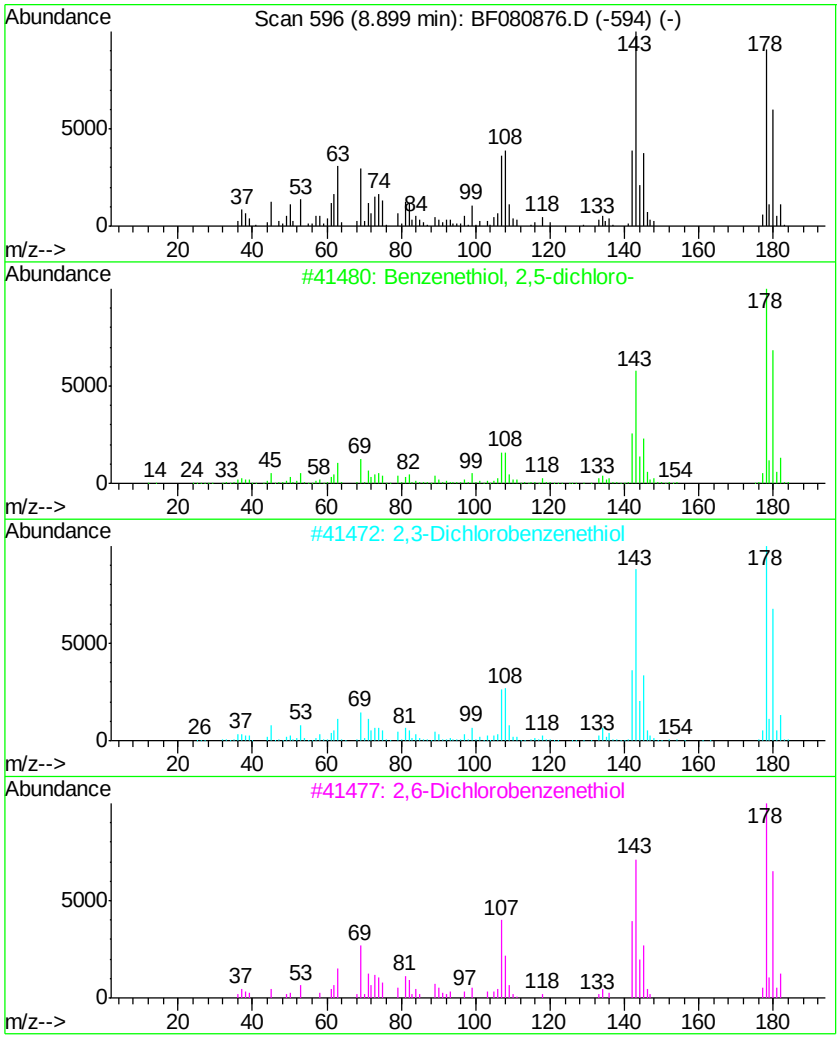
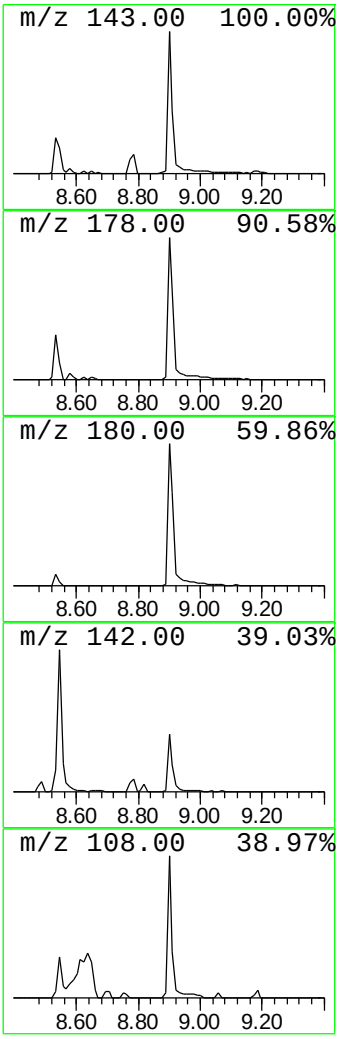
Peak Number 10 Benzenethiol, 2,5-dichloro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.90	20.08 ng	398880	Naphthalene-d8	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenethiol, 2,5-dichloro-	178	C6H4Cl2S	005858-18-4	98
2	2,3-Dichlorobenzenethiol	178	C6H4Cl2S	017231-95-7	97
3	2,6-Dichlorobenzenethiol	178	C6H4Cl2S	024966-39-0	96
4	Benzenethiol, 2,4-dichloro-	178	C6H4Cl2S	001122-41-4	96
5	3,4-Dichlorobenzenethiol	178	C6H4Cl2S	005858-17-3	94





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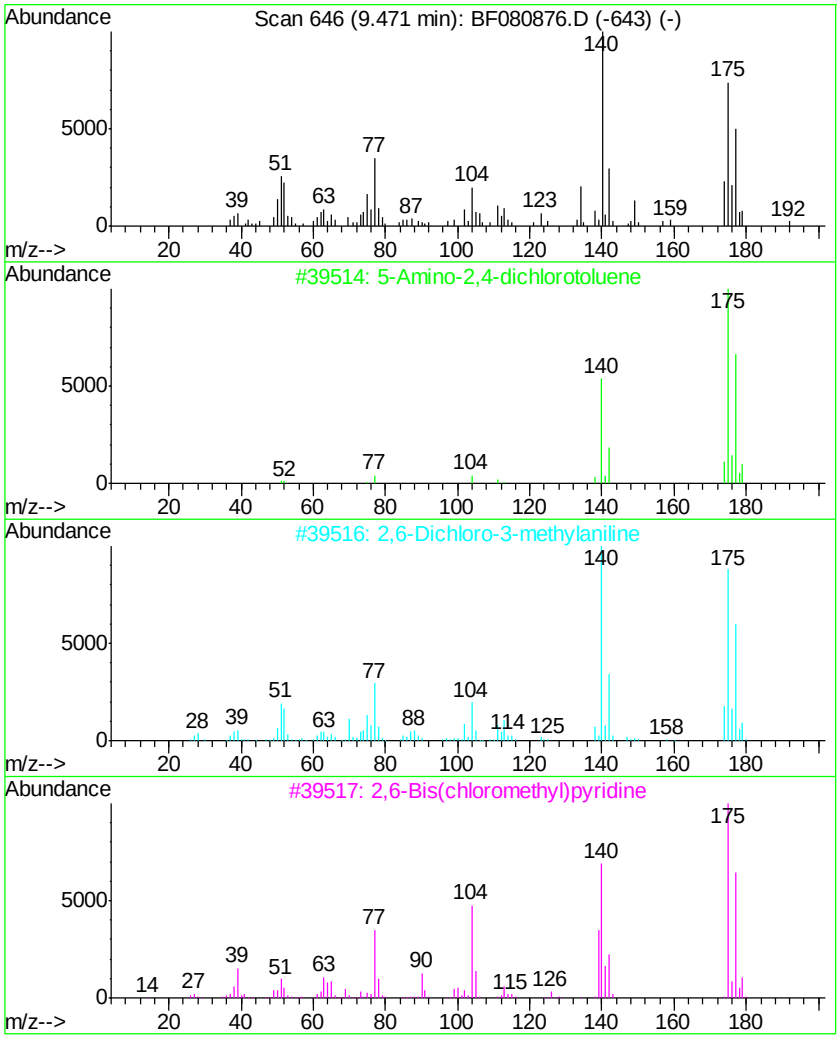
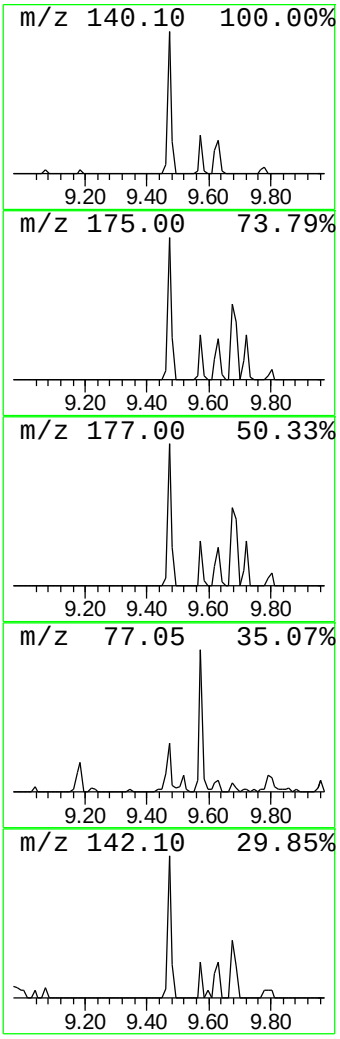
Peak Number 11 5-Amino-2,4-dichlorotoluene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.47	10.70 ng	186632	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Amino-2,4-dichlorotoluene	175	C7H7Cl2N	017601-75-1	95
2	2,6-Dichloro-3-methylaniline	175	C7H7Cl2N	064063-37-2	93
3	2,6-Bis(chloromethyl)pyridine	175	C7H7Cl2N	003099-28-3	25
4	2,3-Dichlorobenzylamine	175	C7H7Cl2N	042265-79-2	12
5	3,5-Dichlorobenzylamine	175	C7H7Cl2N	039989-43-0	12





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ALS Vial : 34 Sample Multiplier: 1

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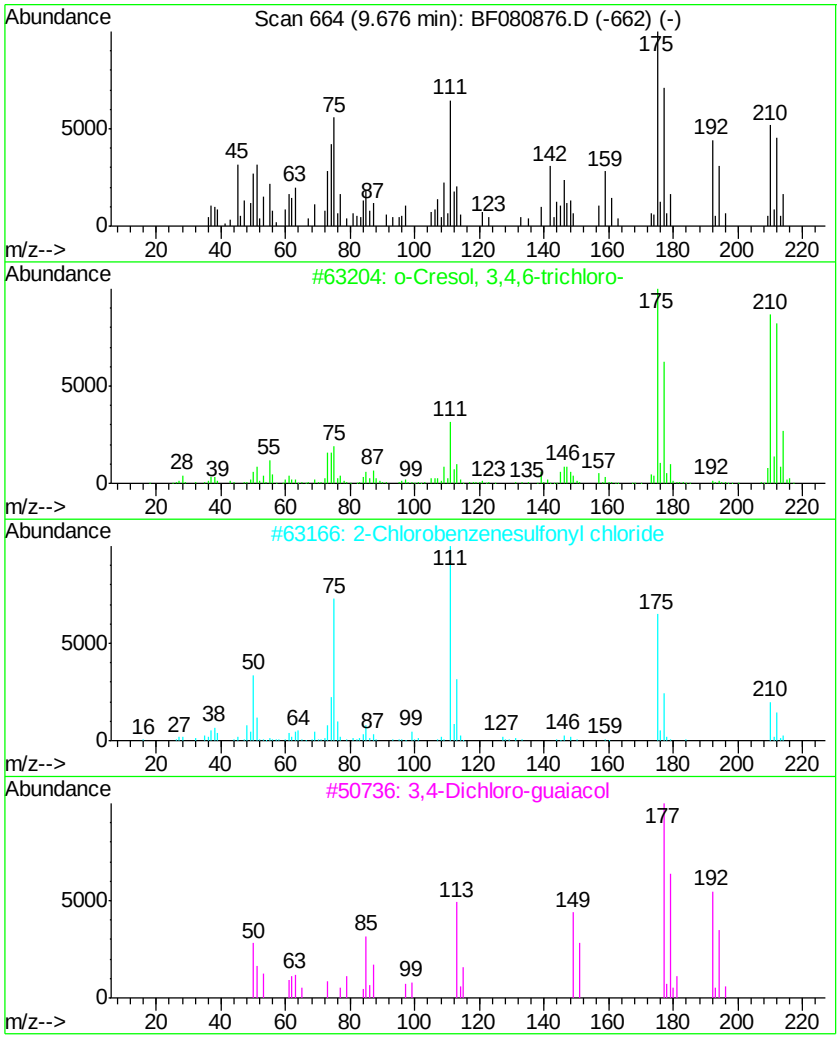
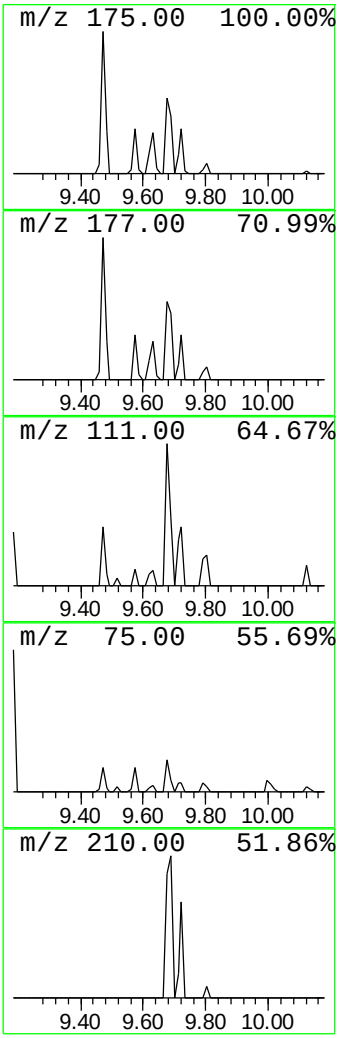
Peak Number 12 o-Cresol, 3,4,6-trichloro- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.68	6.83 ng	119065	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cresol, 3,4,6-trichloro-	210	C7H5Cl3O	000643-14-1	97
2	2-Chlorobenzenesulfonyl chloride	210	C6H4Cl2O2S	002905-23-9	55
3	3,4-Dichloro-guaiacol	192	C7H6Cl2O2	077102-94-4	50
4	3-Chlorobenzenesulfonyl chloride	210	C6H4Cl2O2S	002888-06-4	49
5	9-Thiabicyclo[3.3.1]nonane,2,6-d...	210	C8H12Cl2S	1000196-76-6	41





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Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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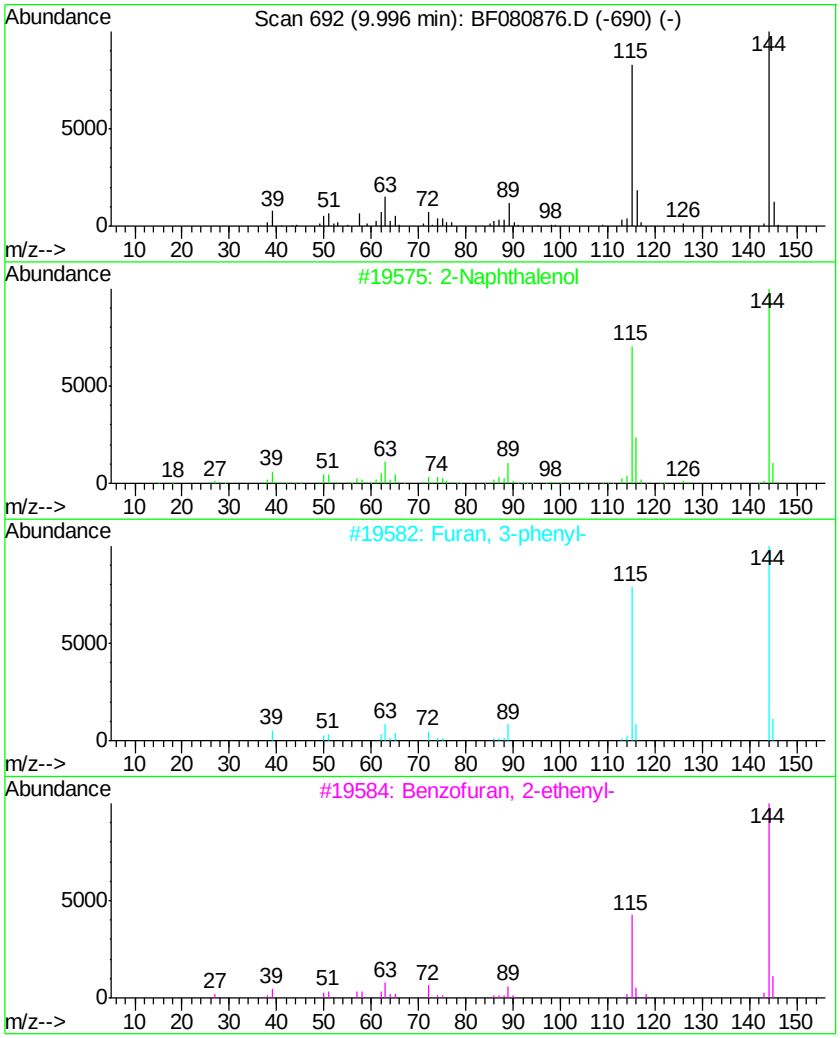
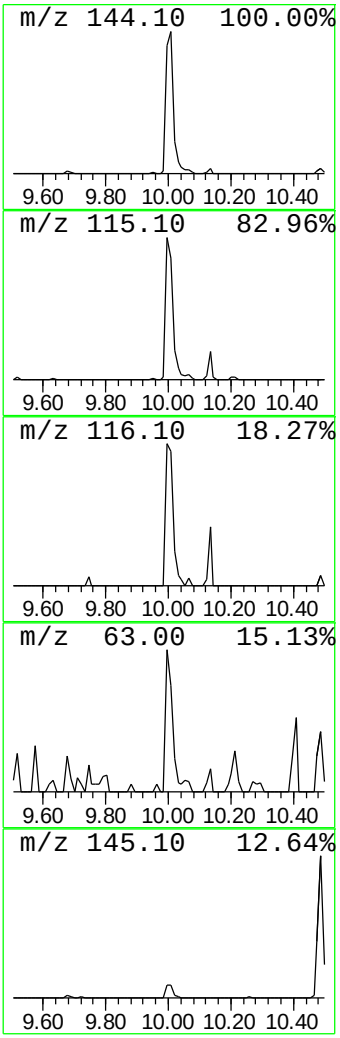
Peak Number 13 2-Naphthalenol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.00	13.29 ng	231640	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenol	144	C10H8O	000135-19-3	94
2	Furan, 3-phenyl-	144	C10H8O	013679-41-9	91
3	Benzofuran, 2-ethenyl-	144	C10H8O	007522-79-4	91
4	1-Naphthalenol	144	C10H8O	000090-15-3	90
5	1H-Pyrazole, 3-phenyl-	144	C9H8N2	002458-26-6	50





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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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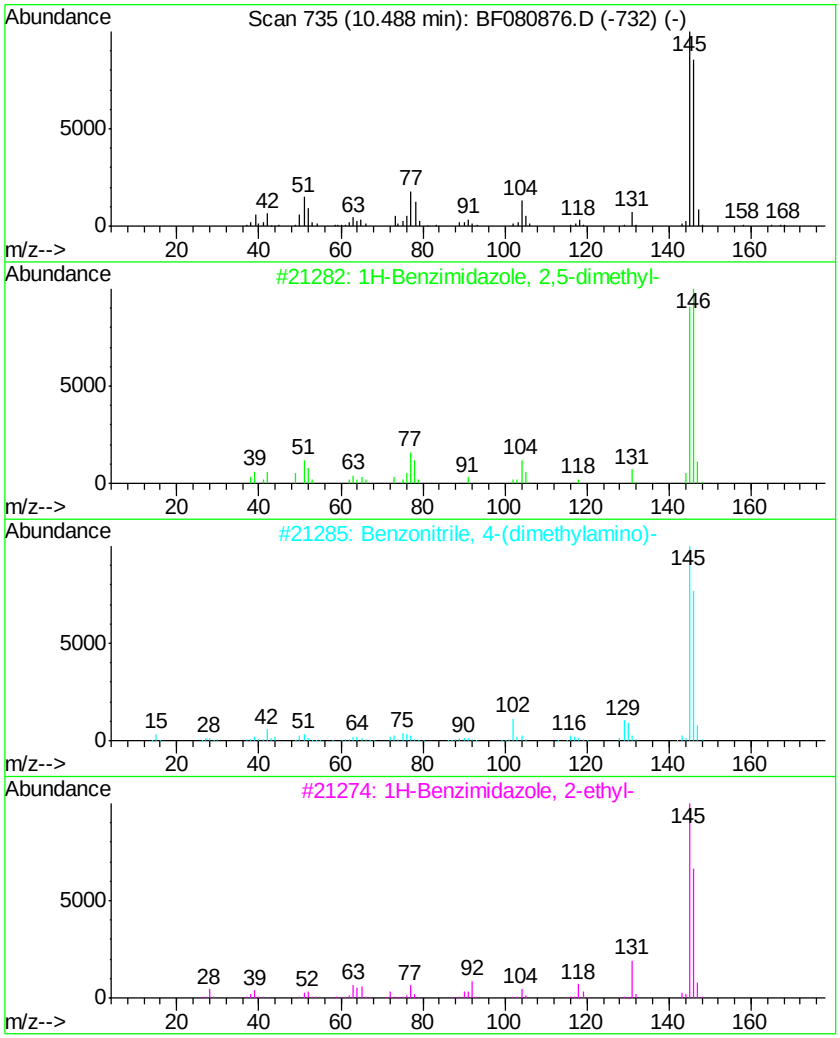
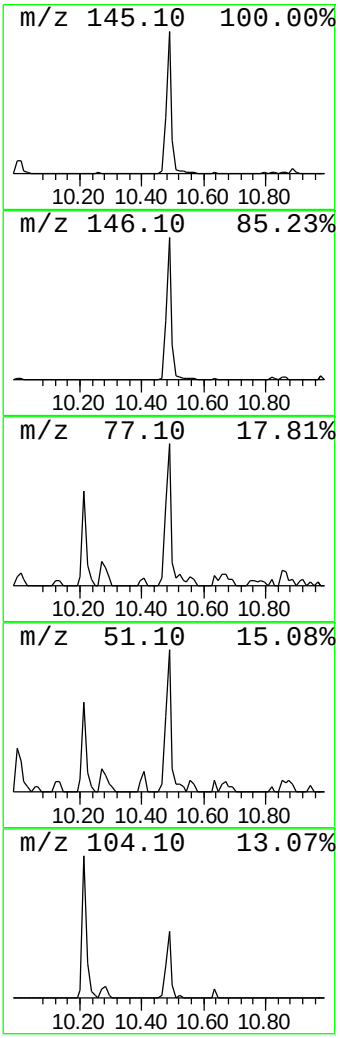
Peak Number 14 1H-Benzimidazole, 2,5-dimet... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	15.28 ng	266477	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 2,5-dimethyl-	146	C9H10N2	001792-41-2	87
2	Benzonitrile, 4-(dimethylamino)-	146	C9H10N2	001197-19-9	64
3	1H-Benzimidazole, 2-ethyl-	146	C9H10N2	001848-84-6	45
4	2-Indolinemalonic acid, 3,3-dime...	305	C17H23NO4	018781-64-1	40
5	1H-Pyrazole, 4,5-dihydro-1-phenyl-	146	C9H10N2	000936-53-8	37





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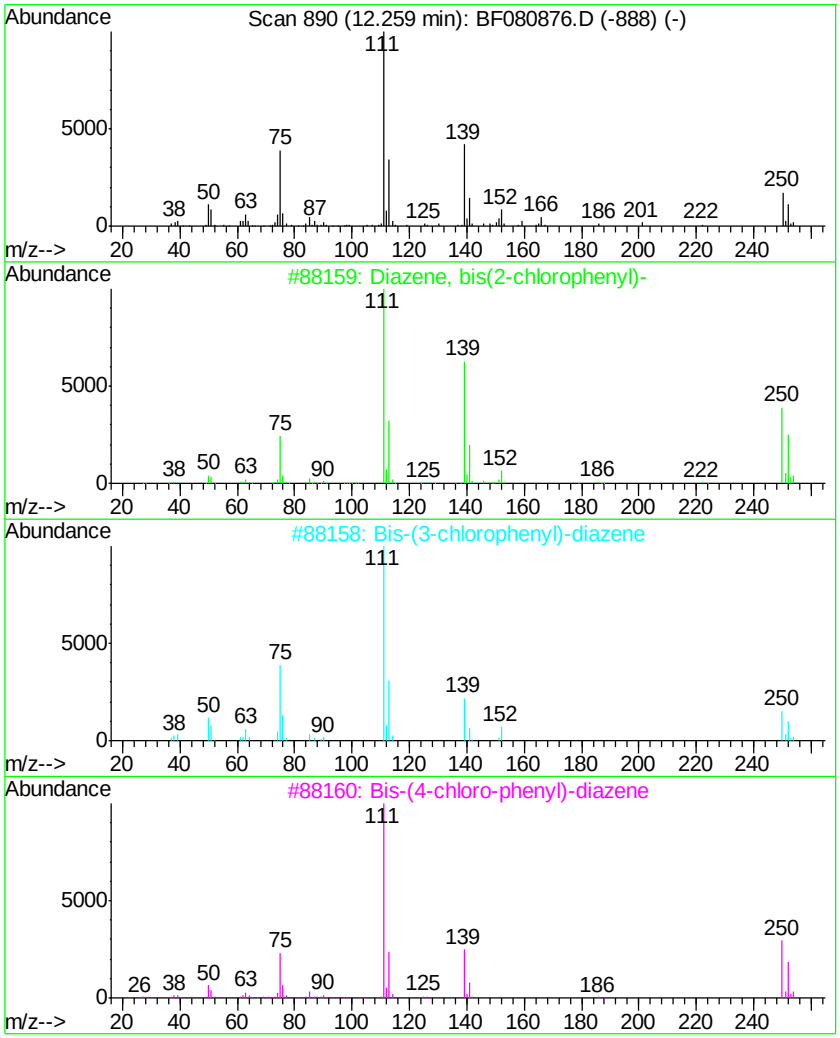
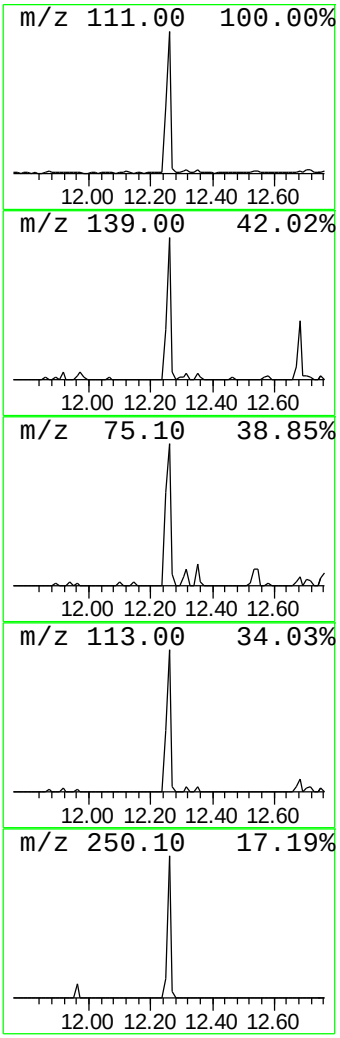
Peak Number 15 Diazene, bis(2-chlorophenyl)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	14.88 ng	208575	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diazene, bis(2-chlorophenyl)-	250	C12H8Cl2N2	007334-33-0	97
2	Bis-(3-chlorophenyl)-diazene	250	C12H8Cl2N2	015426-14-9	91
3	Bis-(4-chloro-phenyl)-diazene	250	C12H8Cl2N2	1000192-28-4	90
4	Triazene, 3-(2-chlorophenyl)-1-(...	306	C13H11ClN4O3	1000293-97-7	72
5	Triazene, 1-methyl-1-cyanomethyl...	208	C9H9ClN4	1000274-66-0	64





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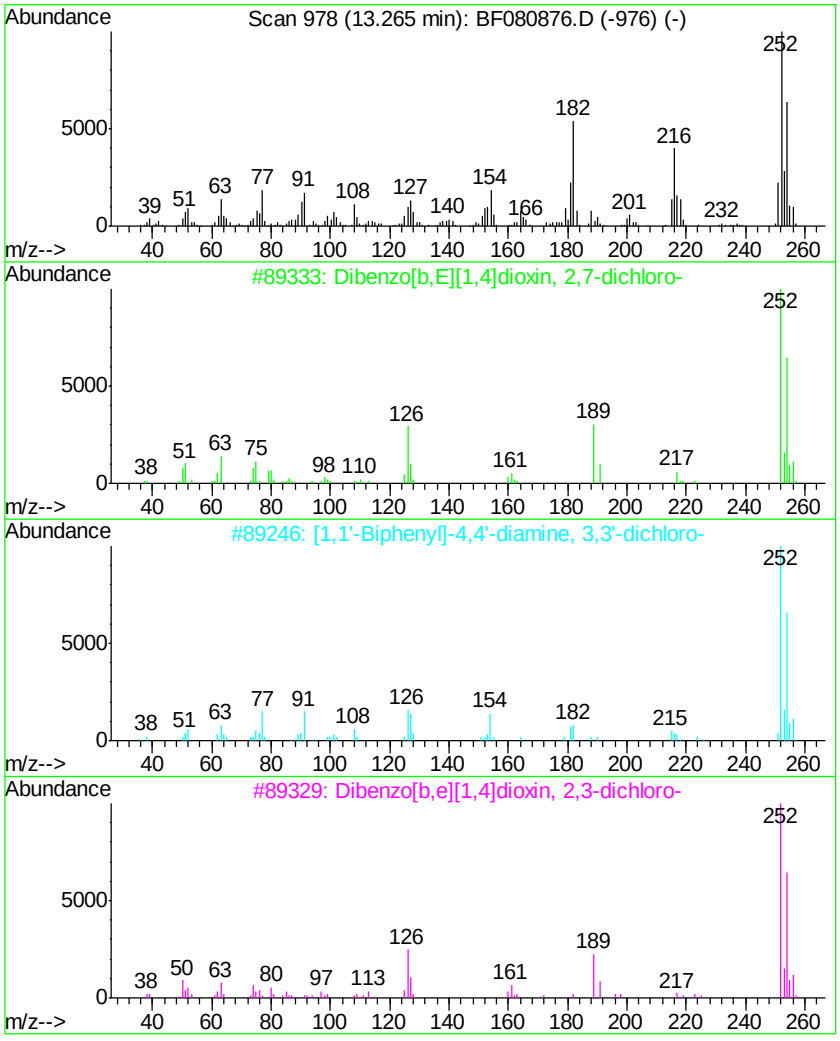
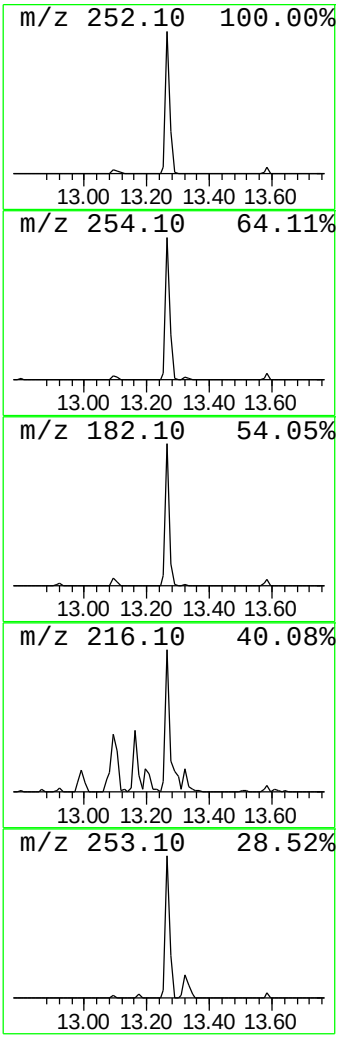
Peak Number 16 Dibenzo[b,E][1,4]dioxin, 2,... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	11.54 ng	497497	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[b,E][1,4]dioxin, 2,7-dic...	252	C12H6Cl2O2	033857-26-0	64
2	[1,1'-Biphenyl]-4,4'-diamine, 3,...	252	C12H10Cl2N2	000091-94-1	55
3	Dibenzo[b,e][1,4]dioxin, 2,3-dic...	252	C12H6Cl2O2	029446-15-9	43
4	Thiazole, 2-amino-4-(4-biphenylyl)-	252	C15H12N2S	002834-79-9	30
5	9H-Pyrido[3,4-b]indole, 1-methyl-	182	C12H10N2	000486-84-0	25





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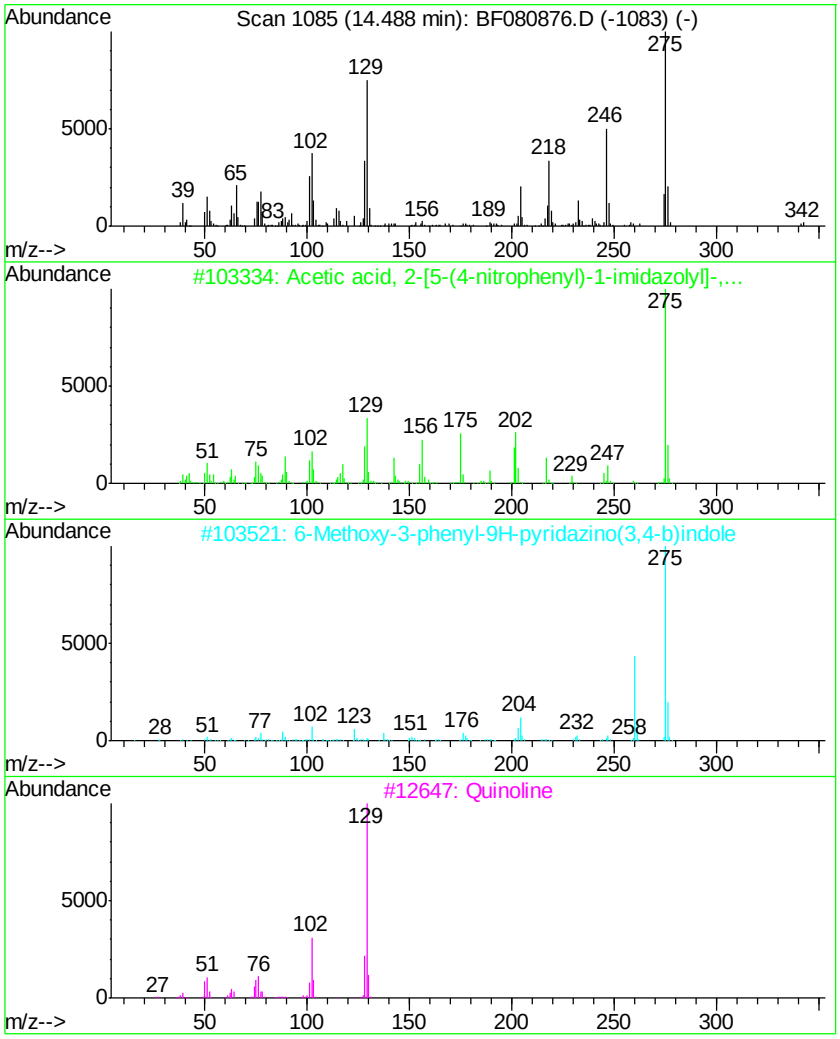
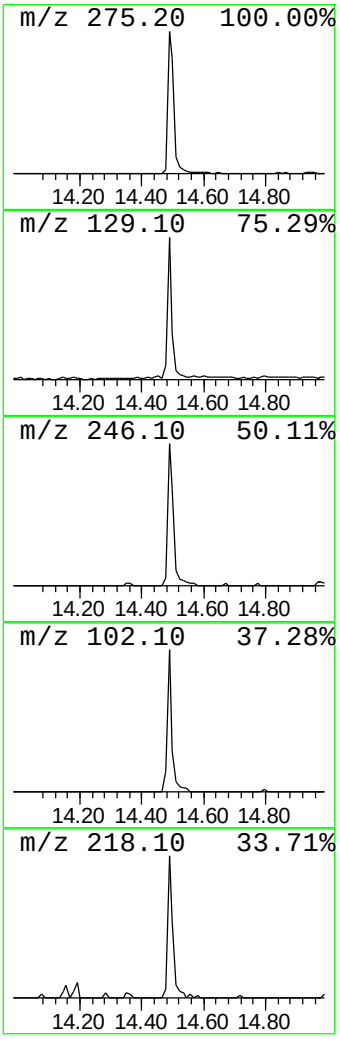
Peak Number 17 unknown14.49 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	8.96 ng	386140	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, 2-[5-(4-nitrophenyl...	275	C13H13N3O4	351064-45-4	38
2	6-Methoxy-3-phenyl-9H-pyridazino...	275	C17H13N3O	003980-94-7	38
3	Quinoline	129	C9H7N	000091-22-5	35
4	Isoquinoline	129	C9H7N	000119-65-3	35
5	1-Methyl-5'-phenylspiro(indoline...	275	C17H13N3O	015970-21-5	30





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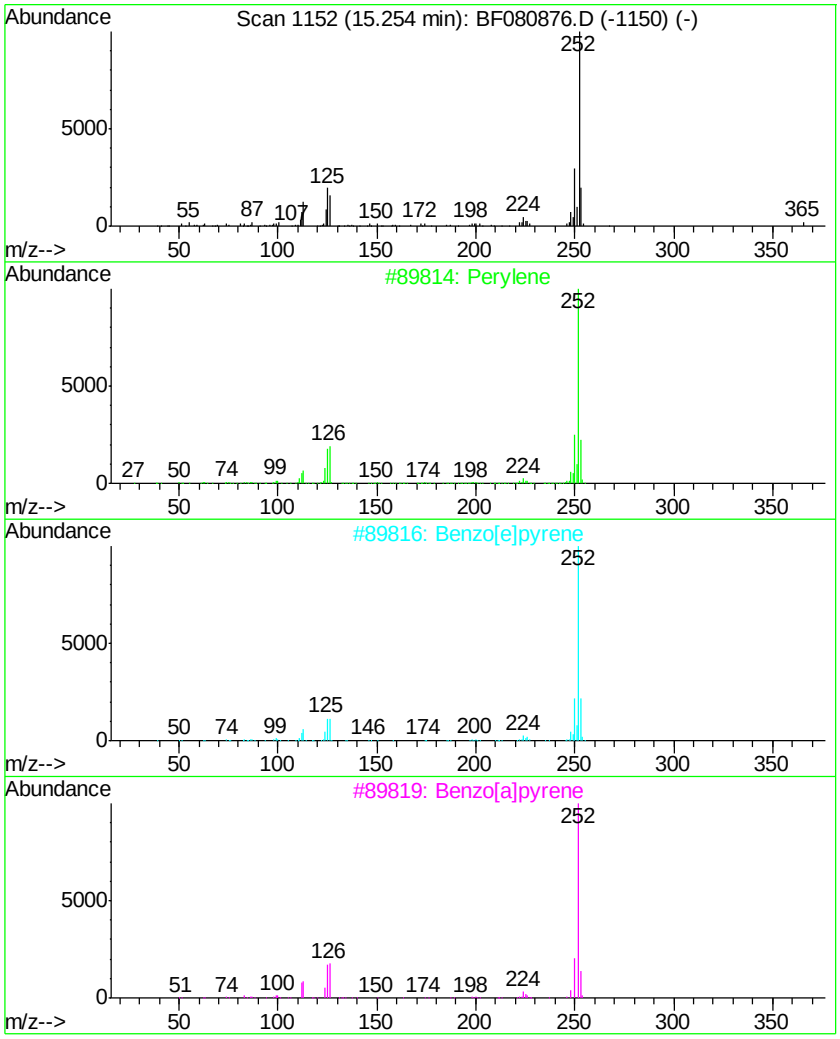
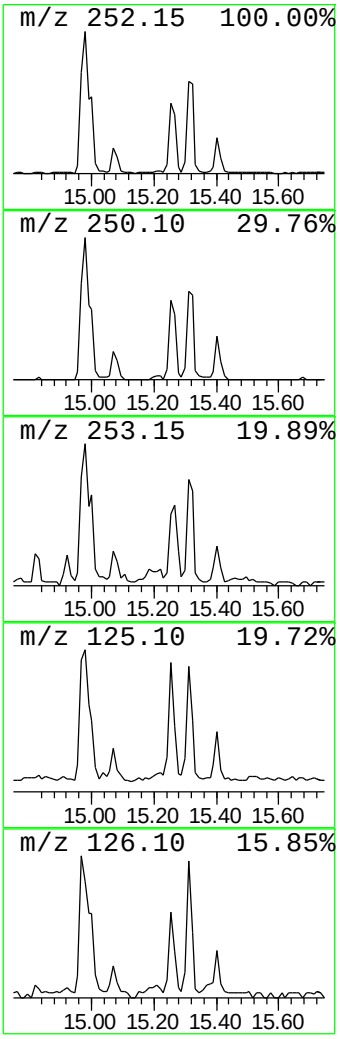
Peak Number 18 Perylene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.25	8.79 ng	164272	Perylene-d12	15.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	95
2	Benzo[e]pyrene	252	C20H12	000192-97-2	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	94
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





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Acq On : 5 Aug 2015 11:40
Operator : TP/UM
Sample : G3186-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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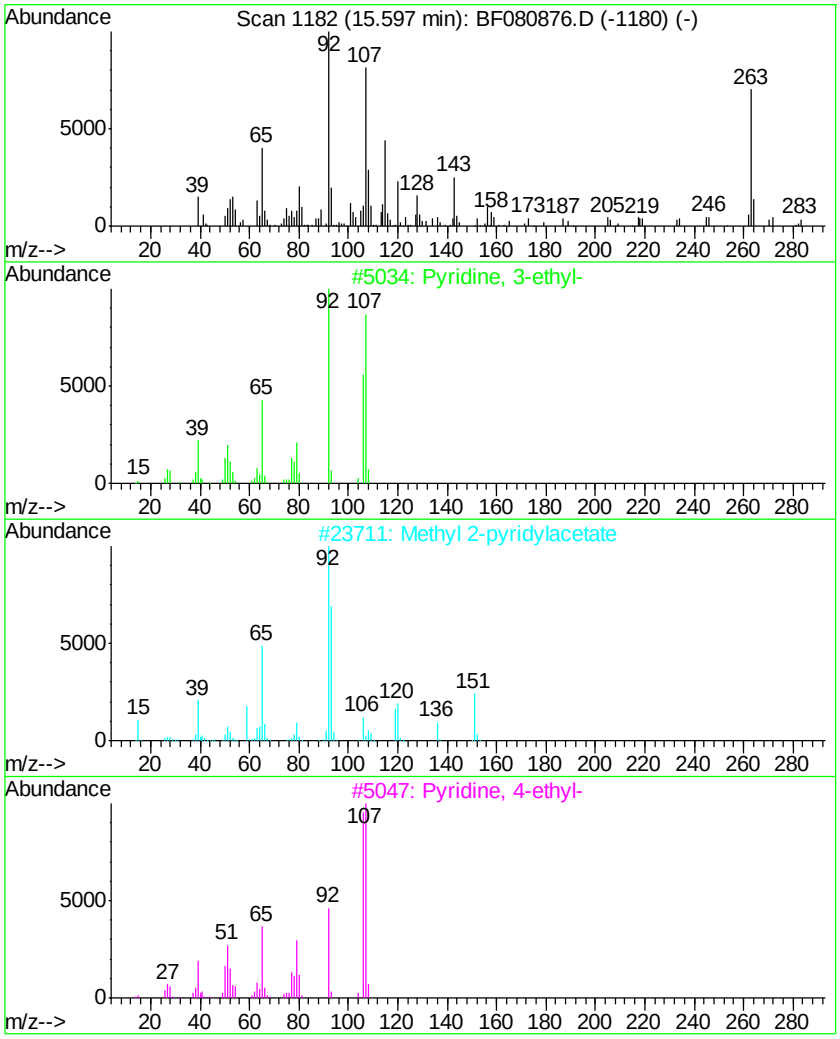
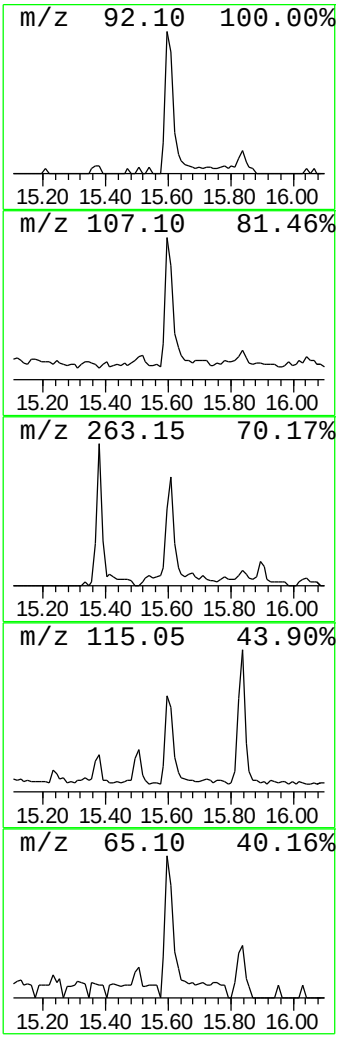
Peak Number 19 Pyridine, 3-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	7.70 ng	143947	Perylene-d12	15.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 3-ethyl-	107	C7H9N	000536-78-7	52
2	Methyl 2-pyridylacetate	151	C8H9NO2	001658-42-0	38
3	Pyridine, 4-ethyl-	107	C7H9N	000536-75-4	37
4	Pyridine, 2-(bromomethyl)-	171	C6H6BrN	055401-97-3	32
5	Sulfathiazole	255	C9H9N3O2S2	000072-14-0	32





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080415\
Data File : BF080876.D
Acq On : 5 Aug 2015 11:40
Operator : TP/UM
Sample : G3186-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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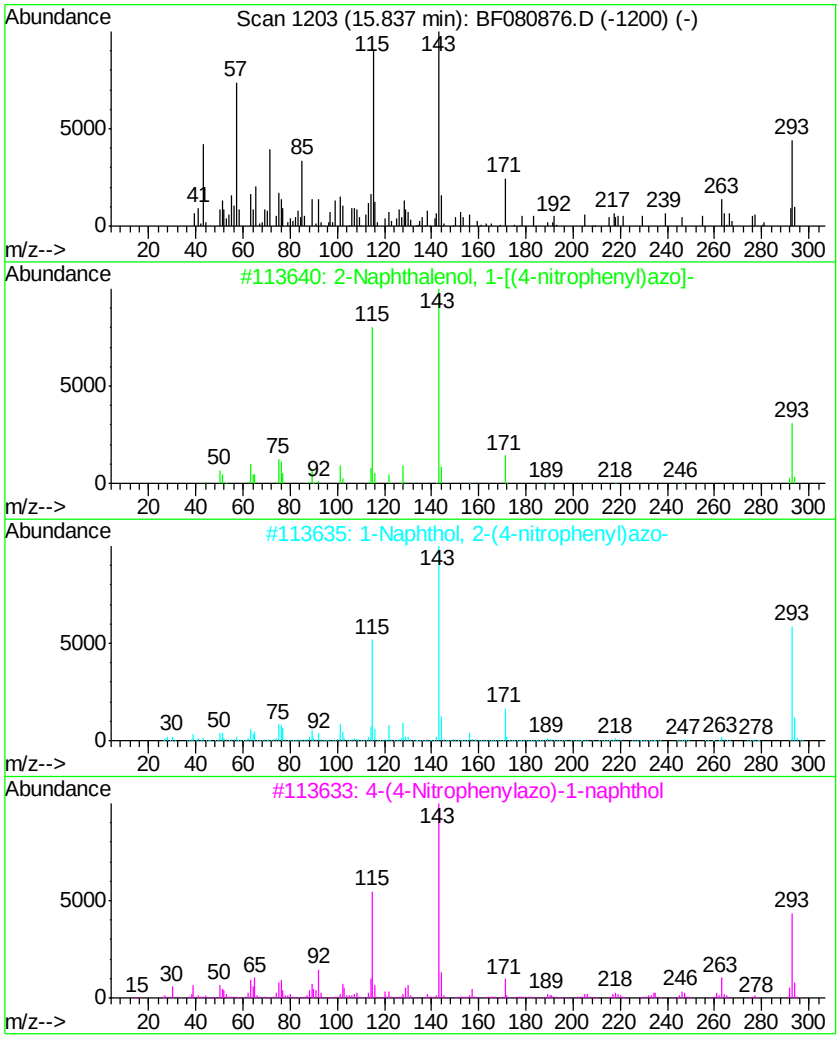
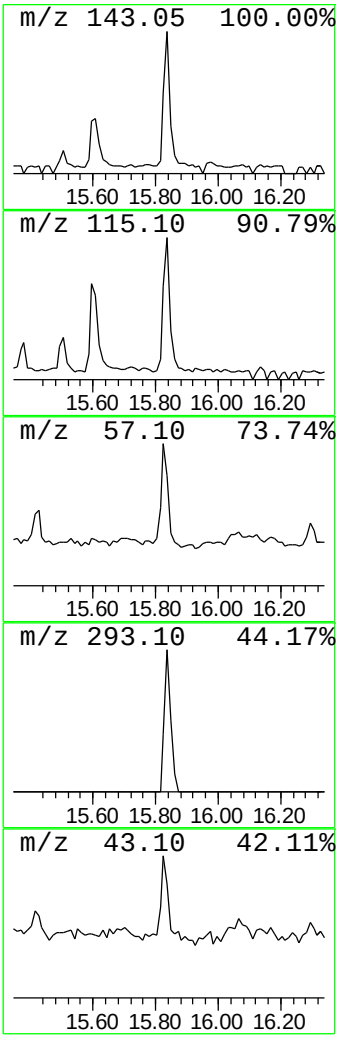
Peak Number 20 2-Naphthalenol, 1-[(4-nitro... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.84	9.72 ng	181725	Perylene-d12	15.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenol, 1-[(4-nitropheny...	293	C16H11N3O3	006410-10-2	93
2	1-Naphthol, 2-(4-nitrophenyl)azo-	293	C16H11N3O3	000607-27-2	70
3	4-(4-Nitrophenylazo)-1-naphthol	293	C16H11N3O3	005290-62-0	64
4	1H-Pyrrole, 1-phenyl-	143	C10H9N	000635-90-5	38
5	Isoquinoline, 1-methyl-	143	C10H9N	001721-93-3	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080415\
Data File : BF080876.D
Acq On : 5 Aug 2015 11:40
Operator : TP/UM
Sample : G3186-01
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.02	59.5	ng	1246400	1	6.83	419233	20.0
Benzene, chloro-	5.12	112.5	ng	2358180	1	6.83	419233	20.0
unknown6.59	6.59	70.9	ng	1485920	1	6.83	419233	20.0
Benzene, 1,2,4-tr...	6.65	8.3	ng	174806	1	6.83	419233	20.0
m-Chloroaniline	7.69	56.5	ng	1122310	2	8.11	397385	20.0
Ethanamine, N-eth...	7.76	7.2	ng	142987	2	8.11	397385	20.0
Phenol, 4-chloro-...	8.54	24.7	ng	490368	2	8.11	397385	20.0
Benzenamine, 4-ch...	8.77	7.0	ng	139024	2	8.11	397385	20.0
Benzenethiol, 2,5...	8.90	20.1	ng	398880	2	8.11	397385	20.0
5-Amino-2,4-dichl...	9.47	10.7	ng	186632	3	9.86	348718	20.0
o-Cresol, 3,4,6-t...	9.68	6.8	ng	119065	3	9.86	348718	20.0
2-Naphthalenol	10.00	13.3	ng	231640	3	9.86	348718	20.0
1H-Benzimidazole,...	10.49	15.3	ng	266477	3	9.86	348718	20.0
Diazene, bis(2-ch...	12.26	14.9	ng	208575	4	11.33	280400	20.0
Dibenzo[b,E][1,4]...	13.27	11.5	ng	497497	5	13.96	861879	20.0
unknown14.49	14.49	9.0	ng	386140	5	13.96	861879	20.0
Perylene	15.25	8.8	ng	164272	6	15.38	373901	20.0
Pyridine, 3-ethyl-	15.60	7.7	ng	143947	6	15.38	373901	20.0
2-Naphthalenol, 1...	15.84	9.7	ng	181725	6	15.38	373901	20.0