LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM092317\
Data File : BM011705.D
Acq On : 23 Sep 2017 14:53
Operator : SJ/JU
Sample : I5273-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF9

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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_M\METHODS\SOM-EPA-BM090817MA.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.281	328	339	342	rBV3	64818551	174197990	34.98%	19.778%
2	6.404	522	530	538	rBV	246417	526530	0.11%	0.060%
3	6.640	560	570	578	rBV	471022	805756	0.16%	0.091%
4	7.134	644	654	665	rVB2	438175	1113770	0.22%	0.126%
5	7.304	674	683	691	rBV2	452864	1165200	0.23%	0.132%
6	7.522	707	720	732	rBV2	902112	3127972	0.63%	0.355%
7	7.863	767	778	792	rBV	17384747	64875784	13.03%	7.366%
8	8.098	792	818	822	rBV3	77600019	497976546	100.00%	56.540%
9	8.657	906	913	923	rVB	560271	945832	0.19%	0.107%
10	9.081	977	985	988	rBV2	572254	982018	0.20%	0.111%
11	9.122	988	992	996	rVV	940842	1606809	0.32%	0.182%
12	9.169	996	1000	1006	rVB	492592	824137	0.17%	0.094%
13	9.457	1040	1049	1058	rBV	535880	884813	0.18%	0.100%
14	9.781	1097	1104	1109	rBV3	657920	1230522	0.25%	0.140%
15	9.839	1109	1114	1126	rVB	763232	1330463	0.27%	0.151%
16	10.375	1198	1205	1211	rBV	971411	1834196	0.37%	0.208%
17	10.439	1211	1216	1224	rVV	1185224	2117064	0.43%	0.240%
18	10.539	1224	1233	1239	rVV	647503	1182718	0.24%	0.134%
19	10.634	1239	1249	1264	rVV	35901004	62220290	12.49%	7.064%
20	10.763	1265	1271	1281	rVV	1092688	1809625	0.36%	0.205%
21	10.869	1281	1289	1307	rVB	707643	1345650	0.27%	0.153%
22	11.145	1327	1336	1343	rBV	7887271	13360513	2.68%	1.517%
23	12.369	1535	1544	1563	rBV	1102522	2183943	0.44%	0.248%
24	12.616	1580	1586	1598	rVB	412790	757278	0.15%	0.086%
25	12.722	1598	1604	1610	rVV	444990	756149	0.15%	0.086%
26	12.786	1610	1615	1623	rVB2	580067	969747	0.19%	0.110%
27	12.998	1647	1651	1662	rVB2	529753	1219974	0.24%	0.139%
28	13.586	1742	1751	1761	rBV	870162	1523539	0.31%	0.173%
29	13.986	1811	1819	1834	rVB	1903250	2734641	0.55%	0.310%
30	14.280	1861	1869	1876	rVB	1858290	2867437	0.58%	0.326%
31	14.586	1914	1921	1931	rBV2	1356300	2185343	0.44%	0.248%
32	15.574	2082	2089	2097	rBV	2448747	3503060	0.70%	0.398%
33	15.686	2102	2108	2120	rBV	964499	1360127	0.27%	0.154%
34	16.798	2290	2297	2309	rBV	1017561	1563995	0.31%	0.178%

LSC Area Percent Report

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Data File : BM011705.D
Acq On : 23 Sep 2017 14:53
Operator : SJ/JU
Sample : I5273-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF9

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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_M\METHODS\SOM-EPA-BM090817MA.M
Title : SVOA CALIBRATION

35	17.321	2379	2386	2396	rBV2	1769500	2587209	0.52%	0.294%
36	17.421	2397	2403	2416	rVB	2750661	3881375	0.78%	0.441%
37	18.192	2529	2534	2545	rBV	360354	566644	0.11%	0.064%
38	19.462	2746	2750	2767	rBV	531449	878175	0.18%	0.100%
39	19.709	2785	2792	2804	rBV	3353071	4724086	0.95%	0.536%
40	21.486	3089	3094	3101	rBV	2370534	3105313	0.62%	0.353%
41	23.697	3463	3470	3479	rVB2	2398428	4906735	0.99%	0.557%
42	23.850	3490	3496	3505	rVB	1502559	3008604	0.60%	0.342%

Sum of corrected areas: 880747572

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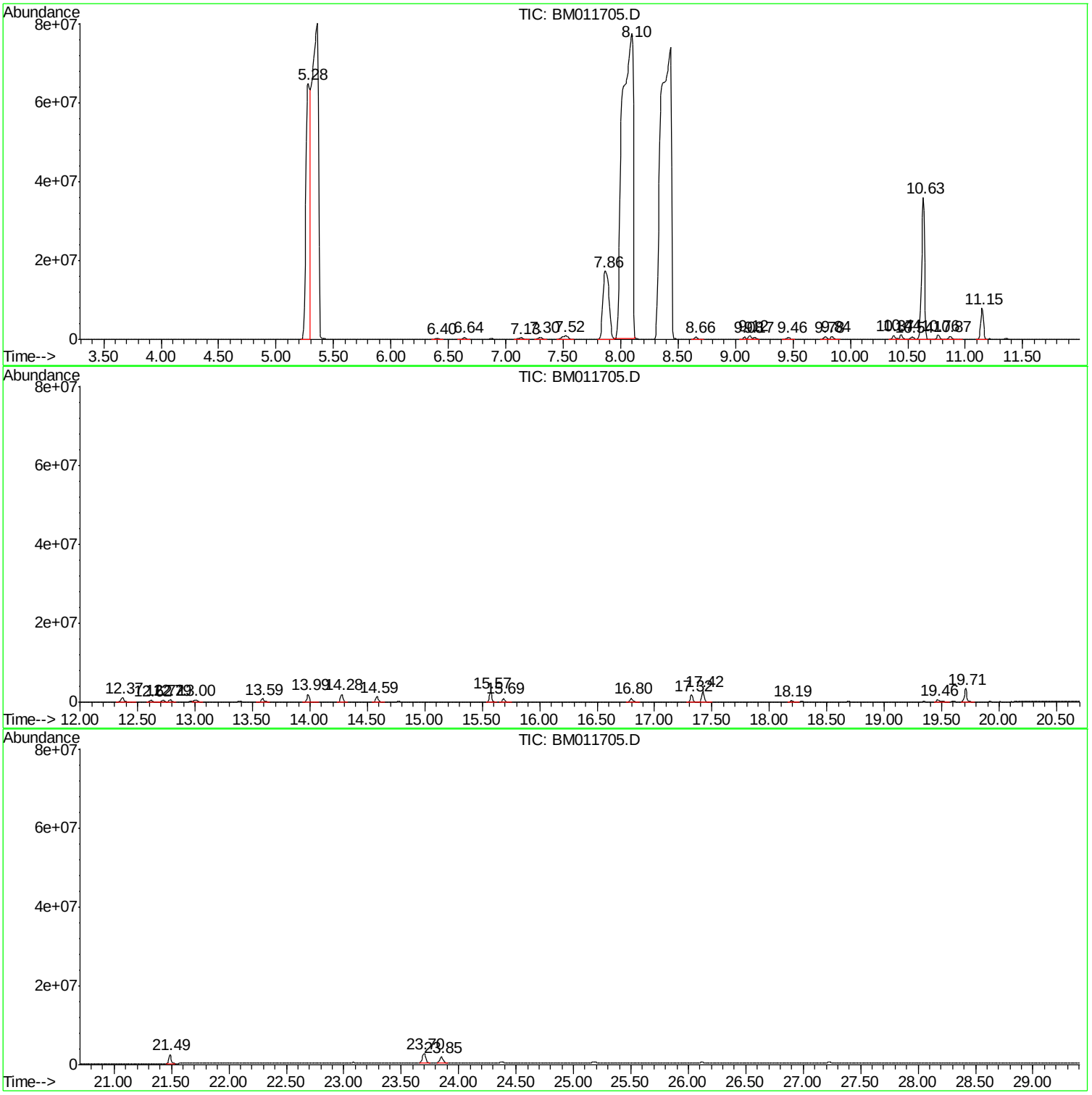
Sample : I5273-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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Data File : BM011705.D
Acq On : 23 Sep 2017 14:53
Operator : SJ/JU
Sample : I5273-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

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

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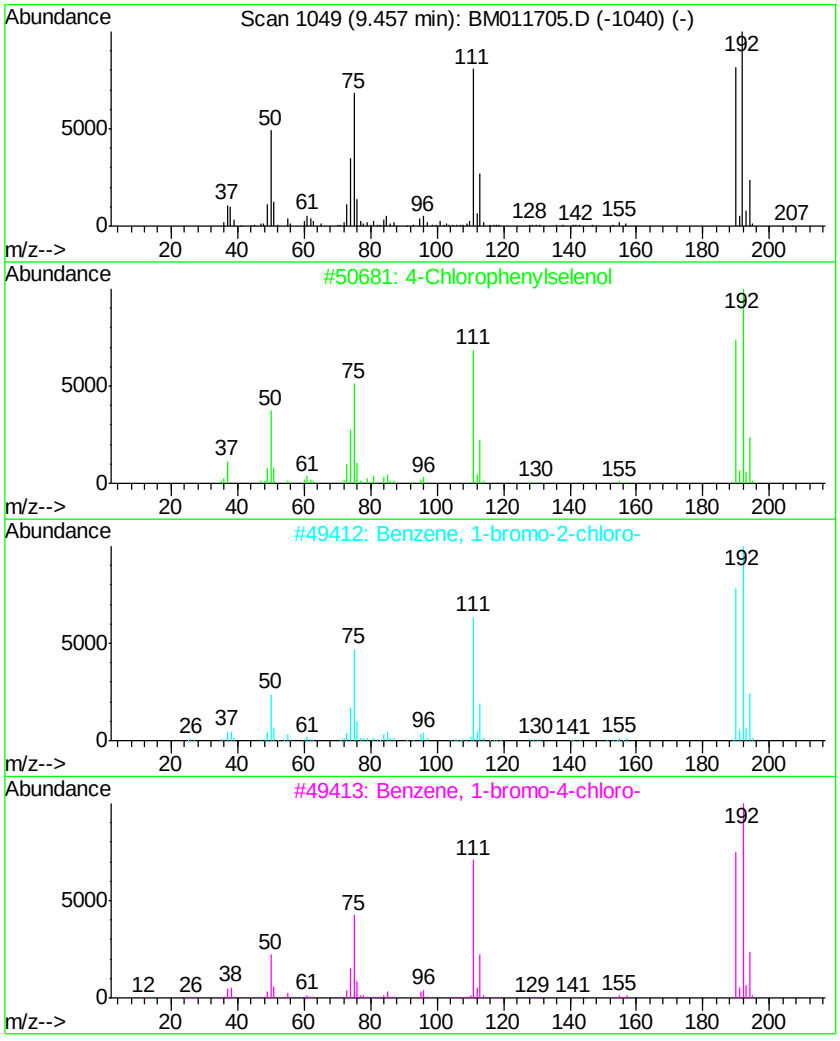
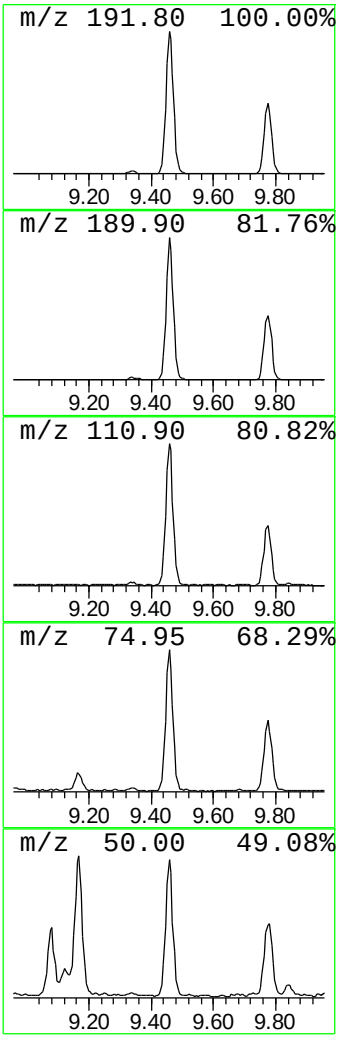
Peak Number 4 4-Chlorophenylselenol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.46	9.78 ng/ul	884813	Naphthalene-d8	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chlorophenylselenol	192	C6H5ClSe	016645-10-6	99
2	Benzene, 1-bromo-2-chloro-	190	C6H4BrCl	000694-80-4	98
3	Benzene, 1-bromo-4-chloro-	190	C6H4BrCl	000106-39-8	98
4	Benzene, 1-bromo-3-chloro-	190	C6H4BrCl	000108-37-2	98
5	Benzene, 1-bromo-3-chloro-	190	C6H4BrCl	000108-37-2	97





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM092317\
Data File : BM011705.D
Acq On : 23 Sep 2017 14:53
Operator : SJ/JU
Sample : I5273-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

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

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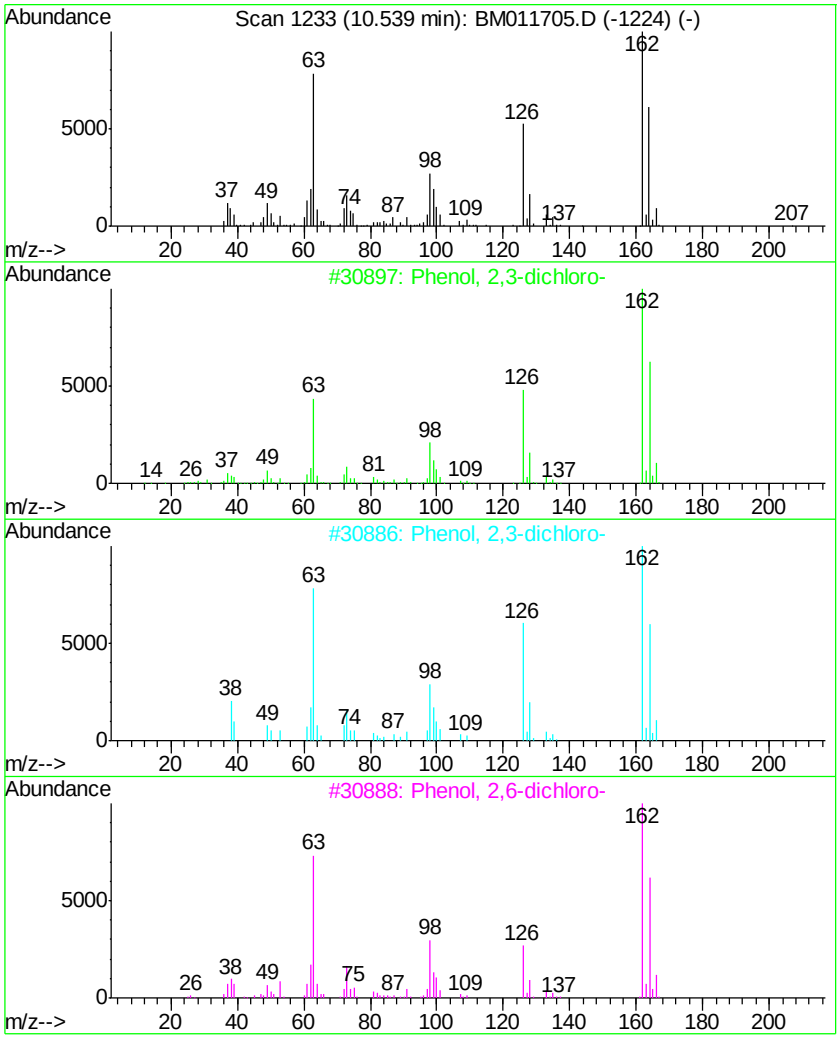
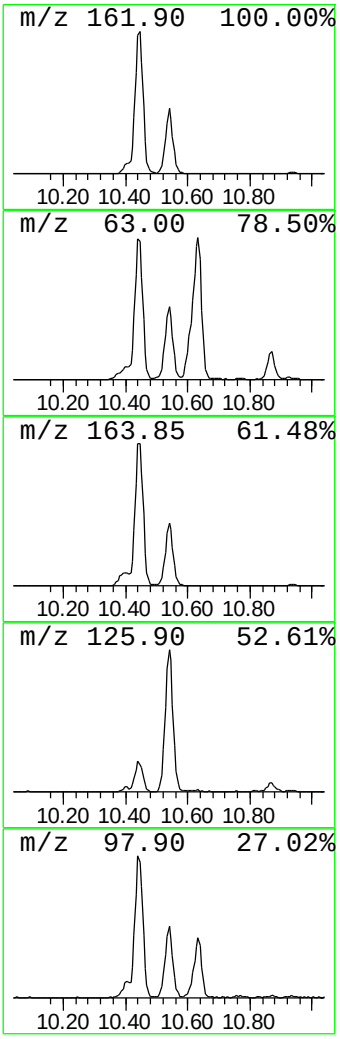
Peak Number 6 Phenol, 2,3-dichloro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.54	13.07 ng/ul	1182720	Naphthalene-d8	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,3-dichloro-	162	C6H4Cl2O	000576-24-9	96
2	Phenol, 2,3-dichloro-	162	C6H4Cl2O	000576-24-9	95
3	Phenol, 2,6-dichloro-	162	C6H4Cl2O	000087-65-0	95
4	Phenol, 2,5-dichloro-	162	C6H4Cl2O	000583-78-8	95
5	Phenol, 2,3-dichloro-	162	C6H4Cl2O	000576-24-9	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM092317\
Data File : BM011705.D
Acq On : 23 Sep 2017 14:53
Operator : SJ/JU
Sample : I5273-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

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

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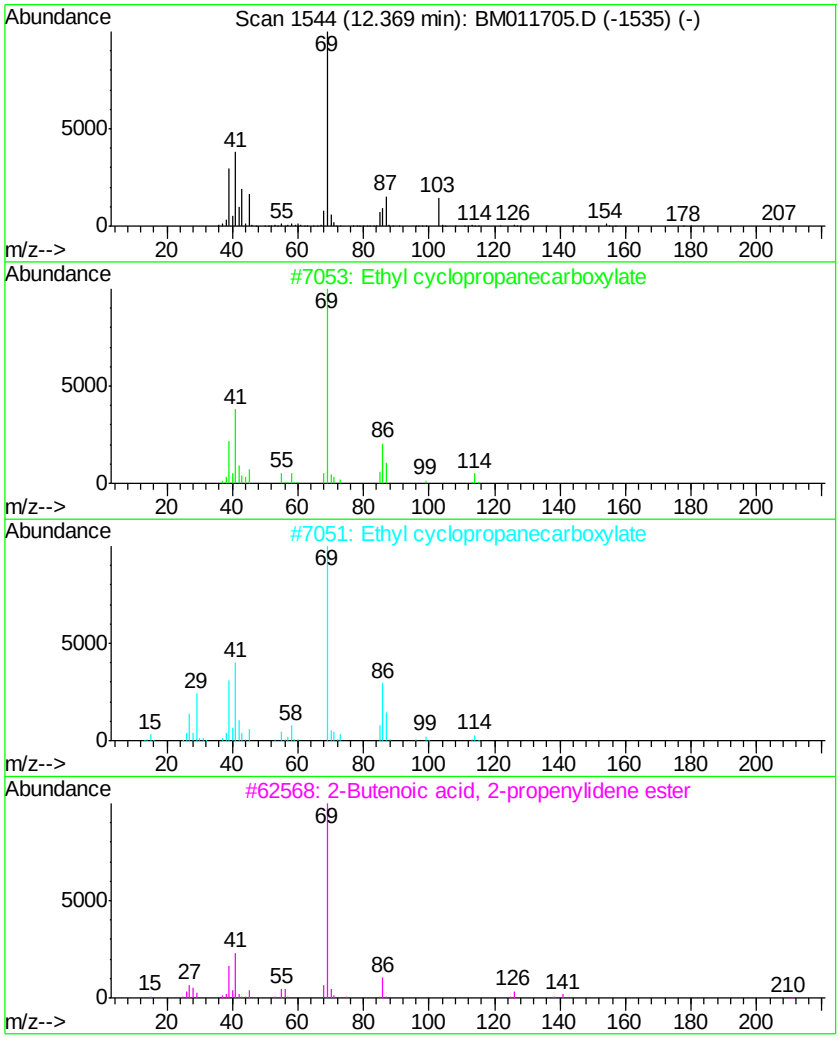
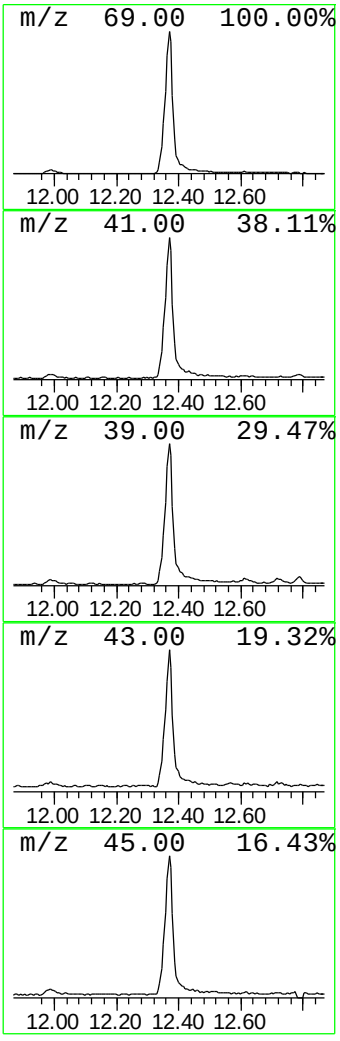
Peak Number 9 Ethyl cyclopropanecarboxylate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	24.14 ng/ul	2183940	Naphthalene-d8	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl cyclopropanecarboxylate	114	C6H10O2	004606-07-9	50
2	Ethyl cyclopropanecarboxylate	114	C6H10O2	004606-07-9	45
3	2-Butenoic acid, 2-propenylidene...	210	C11H14O4	055030-70-1	42
4	Ethyl cyclopropanecarboxylate	114	C6H10O2	004606-07-9	39
5	Oxazole	69	C3H3NO	000288-42-6	33





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM092317\
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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

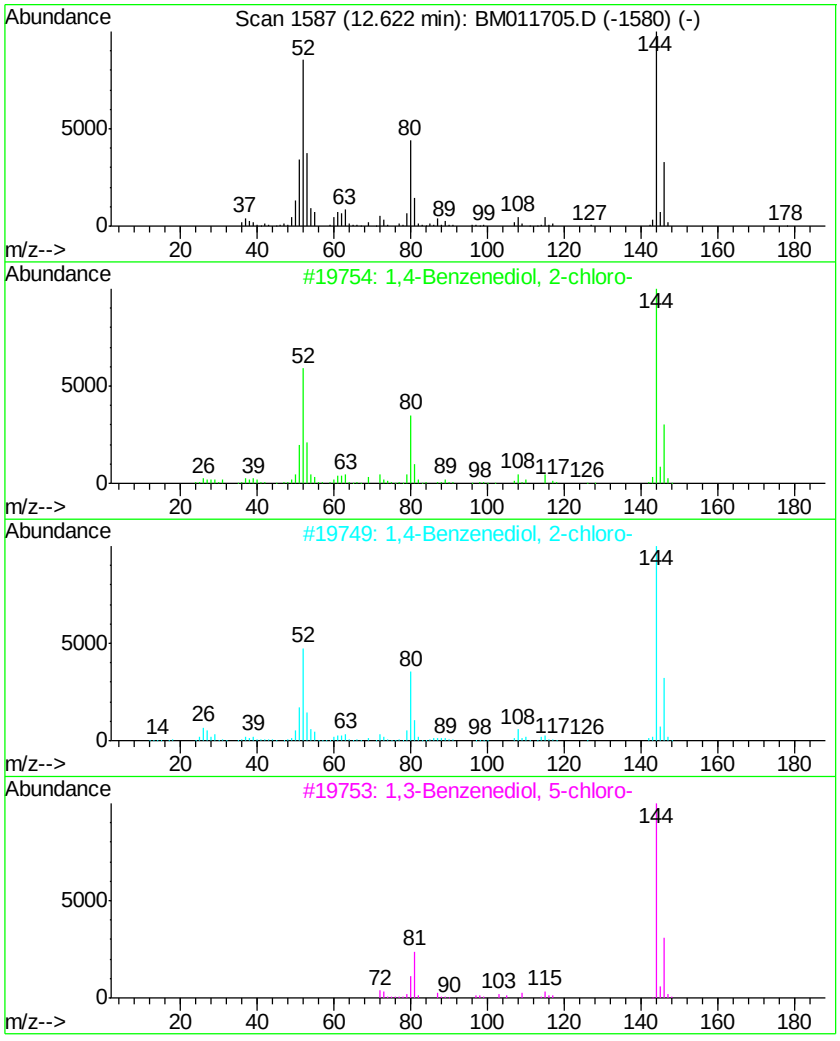
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

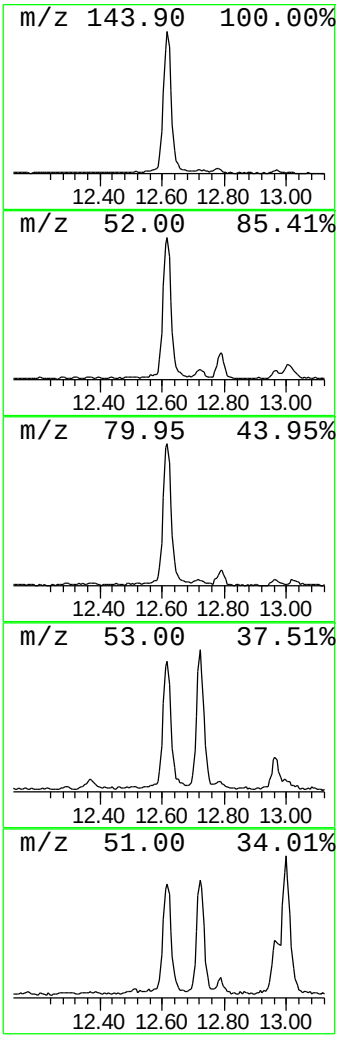
****

Peak Number 10 1,4-Benzenediol, 2-chloro- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	8.37 ng/ul	757278	Naphthalene-d8	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Benzenediol, 2-chloro-	144	C6H5ClO2	000615-67-8	91
2	1,4-Benzenediol, 2-chloro-	144	C6H5ClO2	000615-67-8	89
3	1,3-Benzenediol, 5-chloro-	144	C6H5ClO2	052780-23-1	58
4	1,3-Benzenediol, 2-chloro-	144	C6H5ClO2	006201-65-6	53
5	2,4-Pentadienenitrile	79	C5H5N	001615-70-9	43





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM092317\
Data File : BM011705.D
Acq On : 23 Sep 2017 14:53
Operator : SJ/JU
Sample : I5273-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

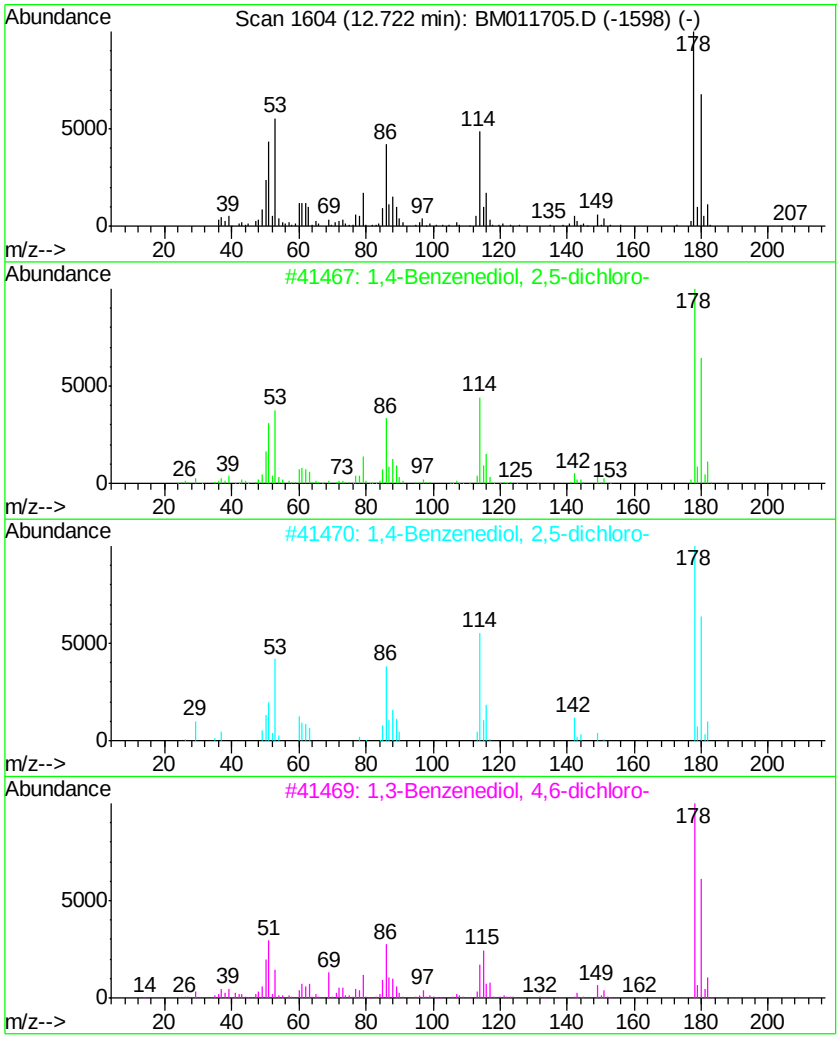
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

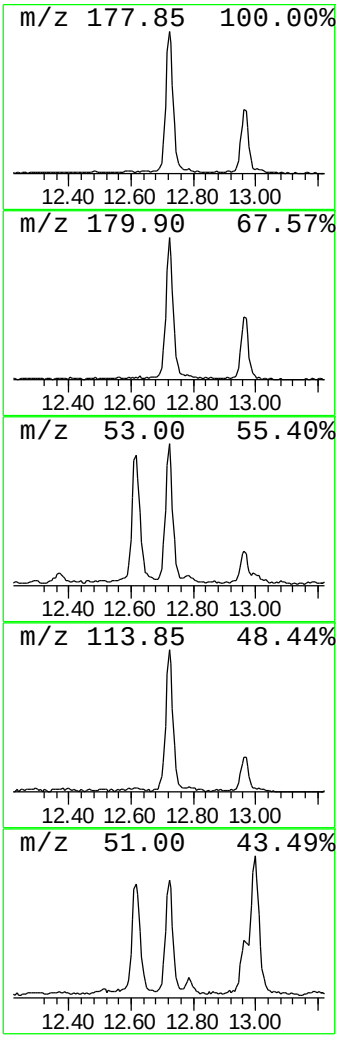
****

Peak Number 11 1,4-Benzenediol, 2,5-dichloro- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	6.92 ng/ul	756149	Acenaphthene-d10	14.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Benzenediol, 2,5-dichloro-	178	C6H4Cl2O2	000824-69-1	99
2	1,4-Benzenediol, 2,5-dichloro-	178	C6H4Cl2O2	000824-69-1	87
3	1,3-Benzenediol, 4,6-dichloro-	178	C6H4Cl2O2	000137-19-9	42
4	1,2-Benzenediol, 3,5-dichloro-	178	C6H4Cl2O2	013673-92-2	42
5	3,4-Dichloro-benzene-1,2-diol	178	C6H4Cl2O2	003978-67-4	41





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM092317\
Data File : BM011705.D
Acq On : 23 Sep 2017 14:53
Operator : SJ/JU
Sample : I5273-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

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

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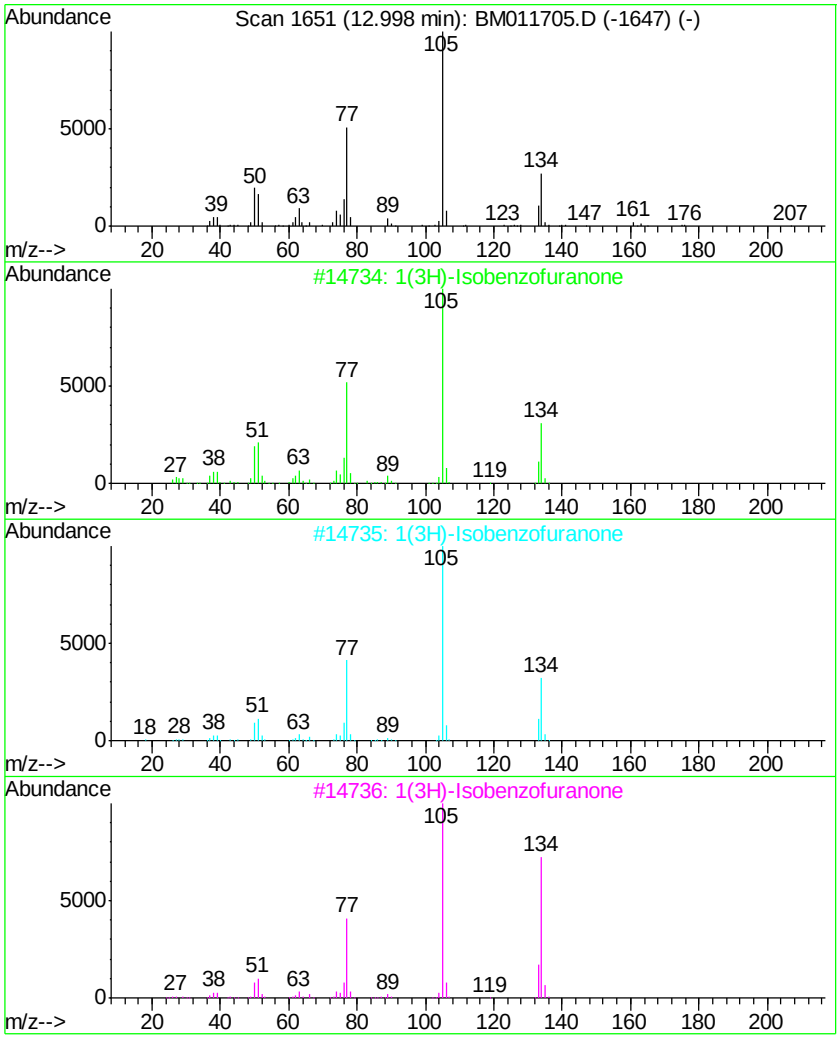
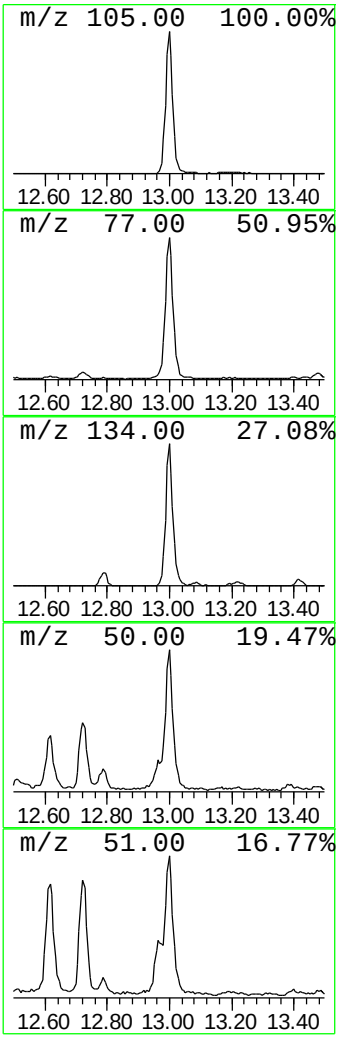
Peak Number 12 1(3H)-Isobenzofuranone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	11.17 ng/ul	1219970	Acenaphthene-d10	14.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(3H)-Isobenzofuranone	134	C8H6O2	000087-41-2	93
2	1(3H)-Isobenzofuranone	134	C8H6O2	000087-41-2	91
3	1(3H)-Isobenzofuranone	134	C8H6O2	000087-41-2	90
4	1,2-Benzenedicarboxaldehyde	134	C8H6O2	000643-79-8	64
5	1(3H)-Isobenzofuranone	134	C8H6O2	000087-41-2	64





Library Search Compound Report

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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

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

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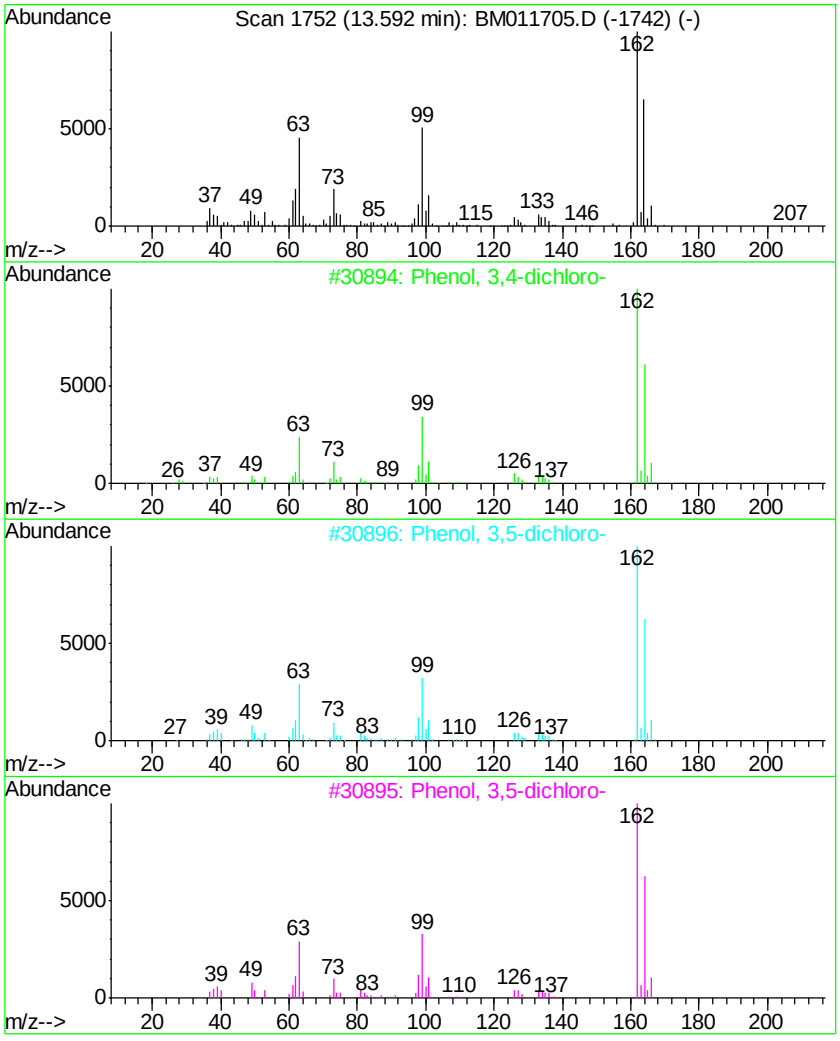
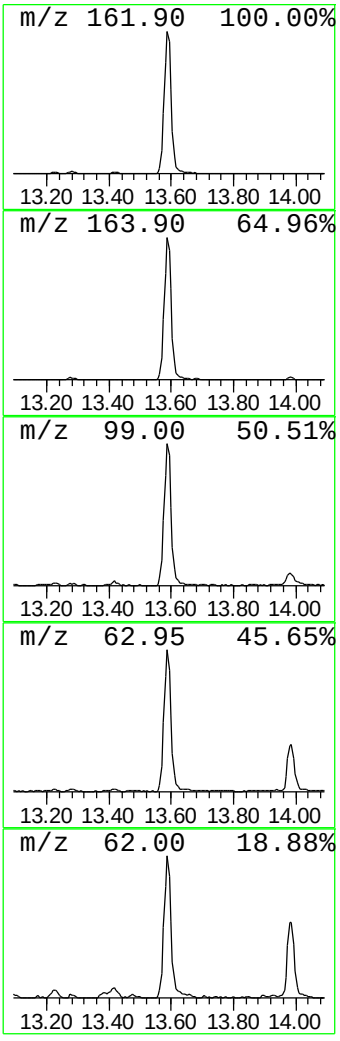
Peak Number 13 Phenol, 3,4-dichloro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.59	13.94 ng/ul	1523540	Acenaphthene-d10	14.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3,4-dichloro-	162	C6H4Cl2O	000095-77-2	95
2	Phenol, 3,5-dichloro-	162	C6H4Cl2O	000591-35-5	90
3	Phenol, 3,5-dichloro-	162	C6H4Cl2O	000591-35-5	90
4	Phenol, 2,4-dichloro-	162	C6H4Cl2O	000120-83-2	81
5	Phenol, 2,4-dichloro-	162	C6H4Cl2O	000120-83-2	70





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM092317\
Data File : BM011705.D
Acq On : 23 Sep 2017 14:53
Operator : SJ/JU
Sample : I5273-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

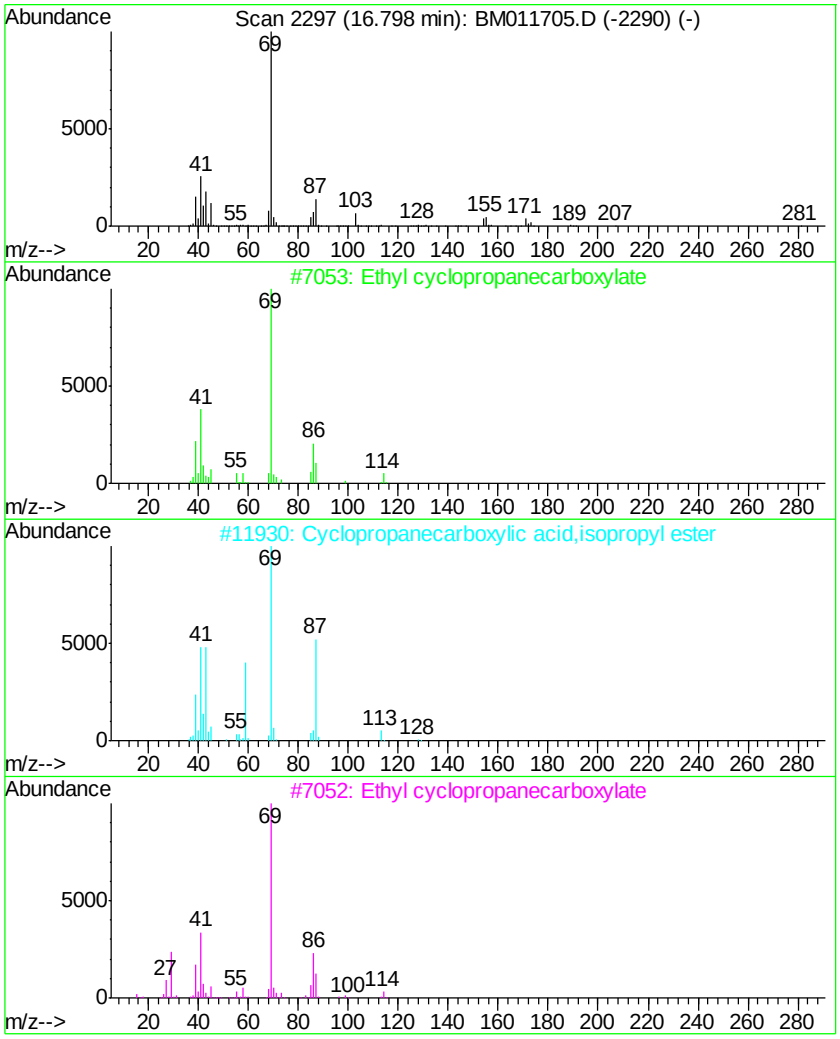
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

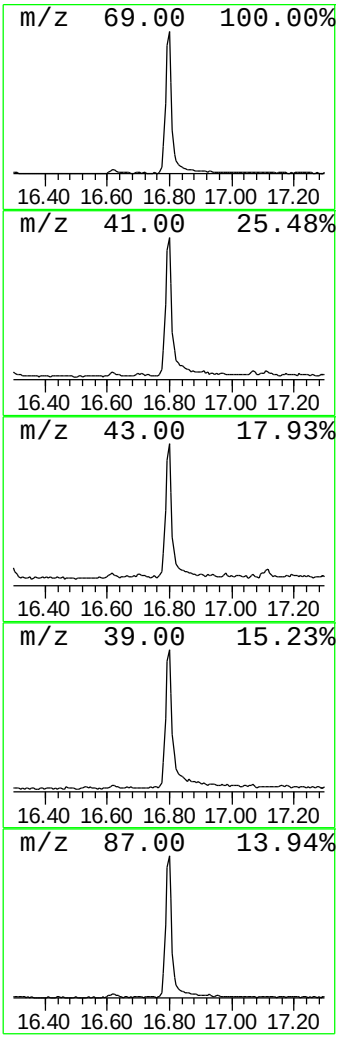
****

Peak Number 14 unknown-01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	12.09 ng/ul	1564000	Phenanthrene-d10	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl cyclopropanecarboxylate	114	C6H10O2	004606-07-9	38
2	Cyclopropanecarboxylic acid,isop...	128	C7H12O2	006887-83-8	38
3	Ethyl cyclopropanecarboxylate	114	C6H10O2	004606-07-9	38
4	Oxazole	69	C3H3NO	000288-42-6	28
5	Cyclopropanecarboxylic acid chlo...	104	C4H5ClO	004023-34-1	9





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ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

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

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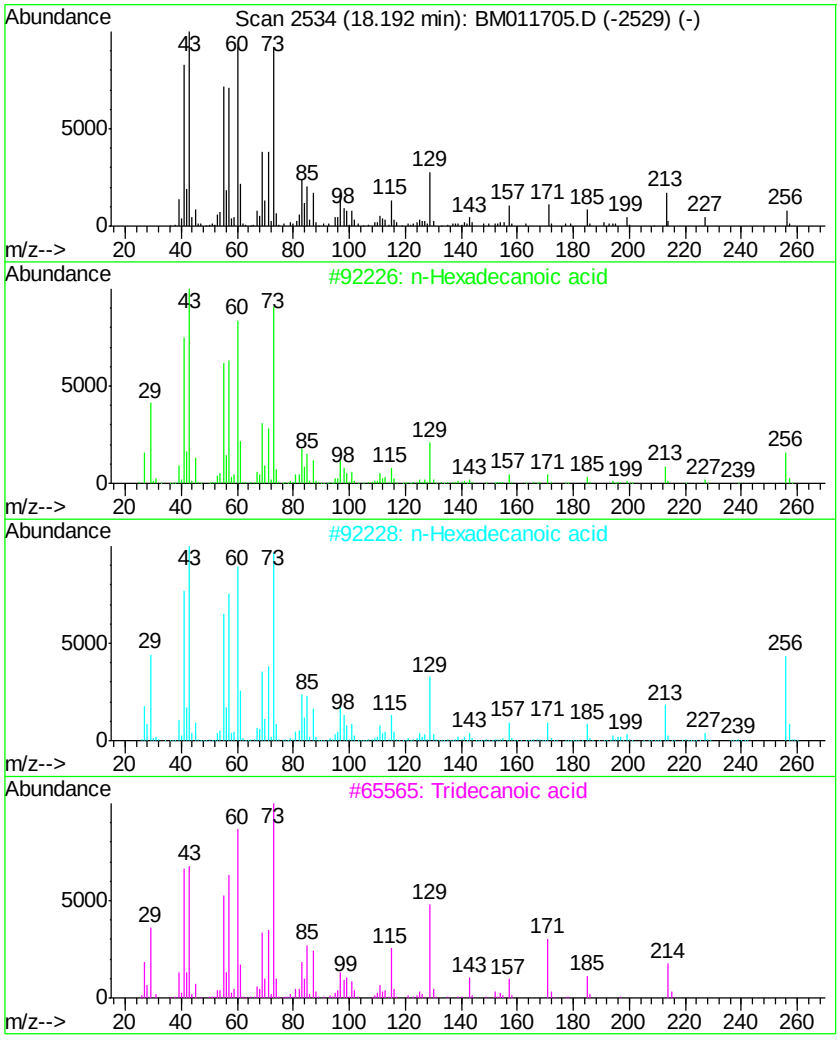
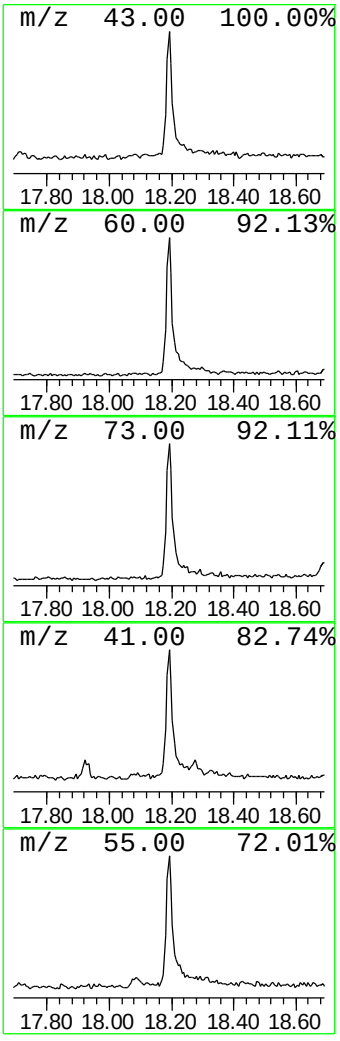
Peak Number 15 n-Hexadecanoic acid Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	4.38 ng/ul	566644	Phenanthrene-d10	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
3	Tridecanoic acid	214	C13H26O2	000638-53-9	87
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
5	Undecanoic acid	186	C11H22O2	000112-37-8	86





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM092317\
Data File : BM011705.D
Acq On : 23 Sep 2017 14:53
Operator : SJ/JU
Sample : I5273-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION

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

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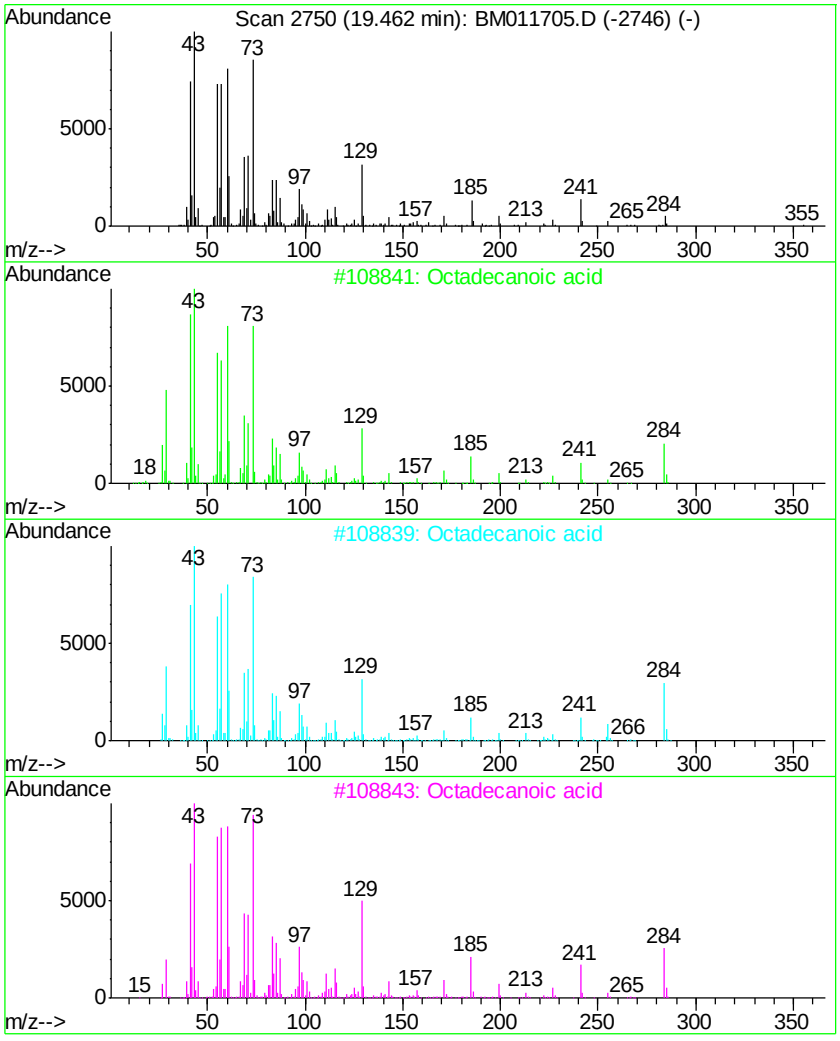
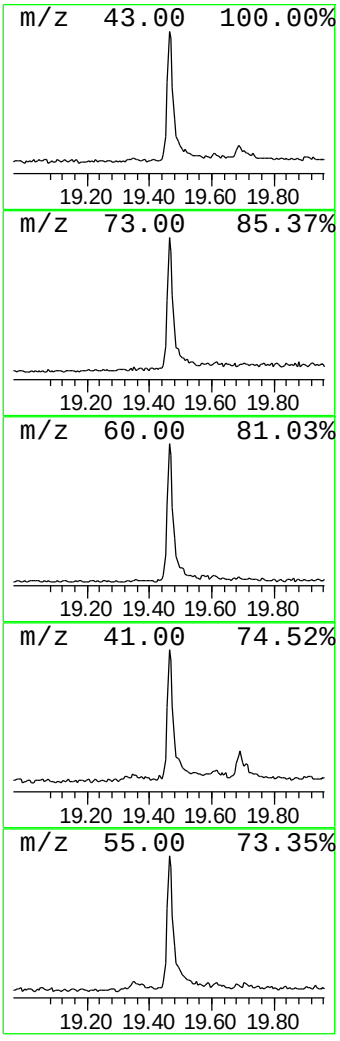
Peak Number 16 Octadecanoic acid Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.46	5.66 ng/ul	878175	Chrysene-d12	21.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	97
2	Octadecanoic acid	284	C18H36O2	000057-11-4	91
3	Octadecanoic acid	284	C18H36O2	000057-11-4	90
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	80
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM092317\
Data File : BM011705.D
Acq On : 23 Sep 2017 14:53
Operator : SJ/JU
Sample : I5273-15
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA 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
4-Chlorophenylsel...	9.46	9.8	ng/ul	884813	2	10.76	1809630	20.0
Phenol, 2,3-dichl...	10.54	13.1	ng/ul	1182720	2	10.76	1809630	20.0
Ethyl cyclopropan...	12.37	24.1	ng/ul	2183940	2	10.76	1809630	20.0
1,4-Benzenediol, ...	12.62	8.4	ng/ul	757278	2	10.76	1809630	20.0
1,4-Benzenediol, ...	12.72	6.9	ng/ul	756149	3	14.58	2185340	20.0
1(3H)-Isobenzofur...	13.00	11.2	ng/ul	1219970	3	14.58	2185340	20.0
Phenol, 3,4-dichl...	13.59	13.9	ng/ul	1523540	3	14.58	2185340	20.0
unknown-01	16.80	12.1	ng/ul	1564000	4	17.32	2587210	20.0
n-Hexadecanoic acid	18.19	4.4	ng/ul	566644	4	17.32	2587210	20.0
Octadecanoic acid	19.46	5.7	ng/ul	878175	5	21.49	3105310	20.0