LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013410.D
Acq On : 14 Dec 2017 19:57
Operator : SJ/JU
Sample : I6900-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9C06

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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-BM113017.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	5.752	448	453	462	rVB2	124998	199164	3.28%	0.356%
2	6.857	635	641	647	rVB	112298	187478	3.09%	0.336%
3	7.016	660	668	676	rBV	493040	786634	12.96%	1.408%
4	7.210	695	701	710	rBV	517587	848627	13.99%	1.519%
5	7.675	774	780	787	rBV	589088	949487	15.65%	1.699%
6	7.740	787	791	799	rVB3	52572	77904	1.28%	0.139%
7	8.187	860	867	874	rBV4	47716	87000	1.43%	0.156%
8	8.381	894	900	908	rBV	399917	655884	10.81%	1.174%
9	8.828	970	976	985	rBV	707209	1198804	19.76%	2.146%
10	9.092	1016	1021	1028	rVB2	121331	191457	3.16%	0.343%
11	9.545	1089	1098	1107	rBV	629407	1043239	17.19%	1.867%
12	9.640	1109	1114	1125	rVB2	158548	296878	4.89%	0.531%
13	9.739	1125	1131	1137	rBV3	36414	66241	1.09%	0.119%
14	9.822	1137	1145	1150	rVV6	34711	74232	1.22%	0.133%
15	9.945	1160	1166	1171	rBV	692909	1188500	19.59%	2.127%
16	10.081	1182	1189	1197	rBV2	913475	1775699	29.26%	3.178%
17	10.139	1197	1199	1204	rVB4	60743	78819	1.30%	0.141%
18	10.457	1245	1253	1259	rBV	819234	1377633	22.70%	2.466%
19	11.257	1380	1389	1391	rBV2	129053	256020	4.22%	0.458%
20	11.292	1391	1395	1404	rVV	171899	288823	4.76%	0.517%
21	11.710	1458	1466	1473	rBV3	62007	101536	1.67%	0.182%
22	11.981	1504	1512	1518	rBV5	30552	61956	1.02%	0.111%
23	12.228	1549	1554	1560	rBV2	140004	226915	3.74%	0.406%
24	12.375	1576	1579	1585	rVB6	46368	80873	1.33%	0.145%
25	12.451	1587	1592	1599	rVB7	41353	87117	1.44%	0.156%
26	13.733	1804	1810	1820	rVV	1877137	2595378	42.77%	4.645%
27	13.845	1820	1829	1838	rVB	499540	729753	12.03%	1.306%
28	14.010	1846	1857	1867	rBV	2054685	3099717	51.08%	5.548%
29	14.322	1901	1910	1916	rBV2	1344186	2022801	33.34%	3.621%
30	14.380	1916	1920	1927	rVB2	85777	132819	2.19%	0.238%
31	14.539	1941	1947	1952	rBV	130255	225336	3.71%	0.403%
32	14.598	1952	1957	1966	rVB4	128970	239388	3.95%	0.428%
33	14.927	2005	2013	2022	rBV	107576	188819	3.11%	0.338%
34	15.251	2063	2068	2073	rBV	262190	425951	7.02%	0.762%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013410.D
Acq On : 14 Dec 2017 19:57
Operator : SJ/JU
Sample : I6900-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9C06

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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-BM113017.M
Title : SVOA CALIBRATION

35	15.316	2073	2079	2086	rVV	2532083	4008595	66.06%	7.175%
36	15.369	2086	2088	2095	rVB3	80541	107596	1.77%	0.193%
37	15.445	2095	2101	2107	rBV	956176	1337994	22.05%	2.395%
38	15.557	2113	2120	2124	rVB5	37618	71516	1.18%	0.128%
39	16.051	2192	2204	2211	rBV4	282760	612913	10.10%	1.097%
40	16.121	2211	2216	2219	rBV2	86711	137011	2.26%	0.245%
41	16.216	2227	2232	2236	rVB5	56422	103858	1.71%	0.186%
42	16.263	2236	2240	2247	rVB4	155614	277823	4.58%	0.497%
43	16.339	2249	2253	2257	rBV	74481	106718	1.76%	0.191%
44	16.727	2315	2319	2323	rVB	50580	76465	1.26%	0.137%
45	16.857	2335	2341	2345	rBV2	47438	81060	1.34%	0.145%
46	17.068	2365	2377	2382	rBV2	1955117	2851767	47.00%	5.104%
47	17.110	2382	2384	2388	rVV	107518	142761	2.35%	0.256%
48	17.168	2388	2394	2401	rVB	3162124	4283346	70.59%	7.667%
49	17.445	2436	2441	2444	rBV4	49854	92709	1.53%	0.166%
50	17.474	2444	2446	2451	rVB	68977	81897	1.35%	0.147%
51	17.568	2455	2462	2468	rBV3	70546	128649	2.12%	0.230%
52	17.639	2468	2474	2478	rBV	65923	102581	1.69%	0.184%
53	17.986	2527	2533	2539	rVB7	41626	89310	1.47%	0.160%
54	18.133	2551	2558	2563	rBV8	34467	64220	1.06%	0.115%
55	18.880	2677	2685	2691	rBV	155325	244296	4.03%	0.437%
56	19.127	2724	2727	2734	rVB	92036	136567	2.25%	0.244%
57	19.245	2742	2747	2756	rVV6	61475	164344	2.71%	0.294%
58	19.351	2760	2765	2771	rBV3	42790	67608	1.11%	0.121%
59	19.468	2779	2785	2792	rBV	3921109	5265760	86.78%	9.425%
60	21.256	3084	3089	3099	rBV	2868865	3701967	61.01%	6.626%
61	23.345	3436	3444	3455	rVB2	3215661	6067910	100.00%	10.861%
62	23.486	3460	3468	3475	rVB	1898831	3614970	59.58%	6.470%

Sum of corrected areas: 55869093

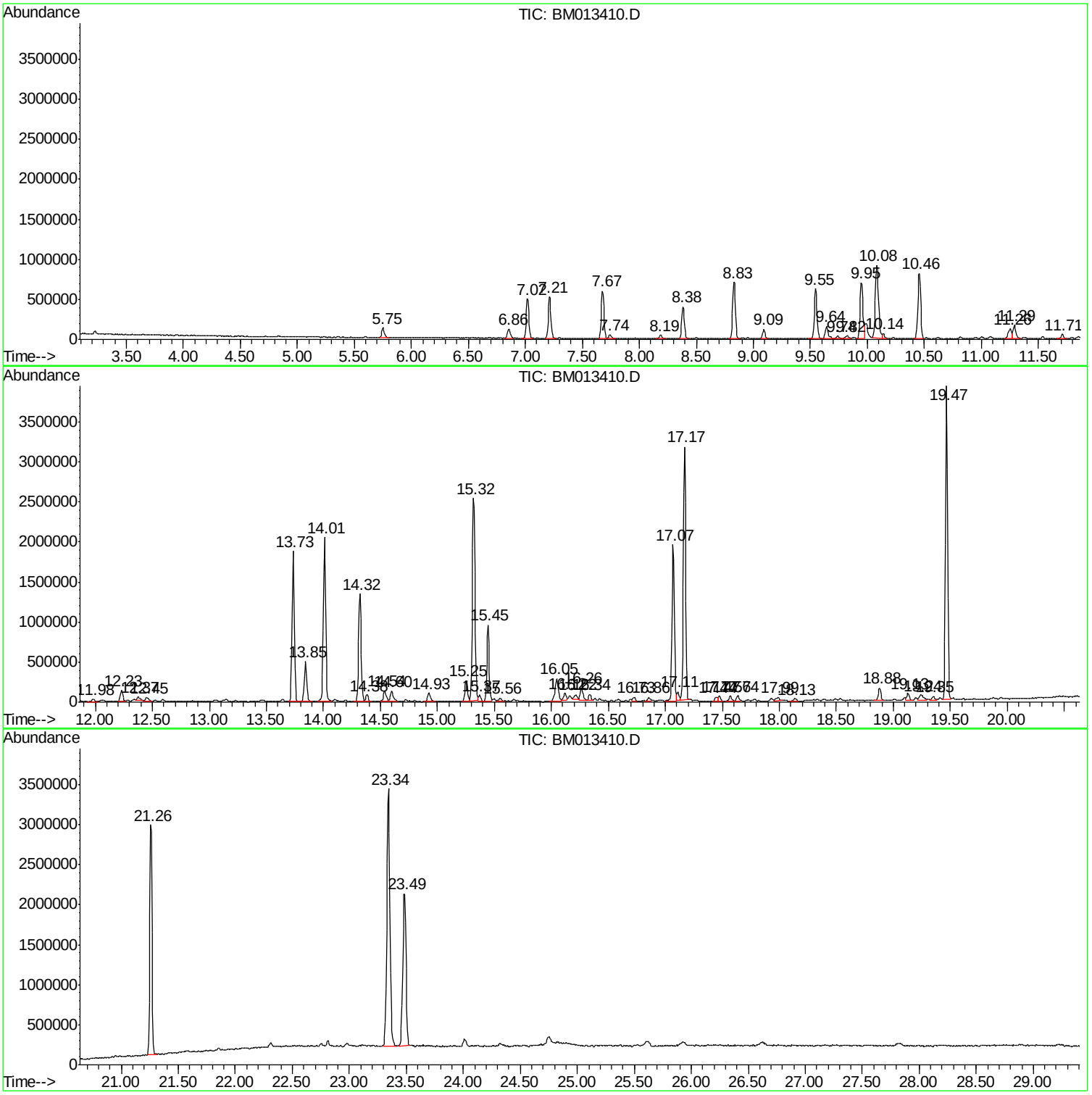
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013410.D
Acq On : 14 Dec 2017 19:57
Operator : SJ/JU
Sample : I6900-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9C06

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013410.D
Acq On : 14 Dec 2017 19:57
Operator : SJ/JU
Sample : I6900-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9C06

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

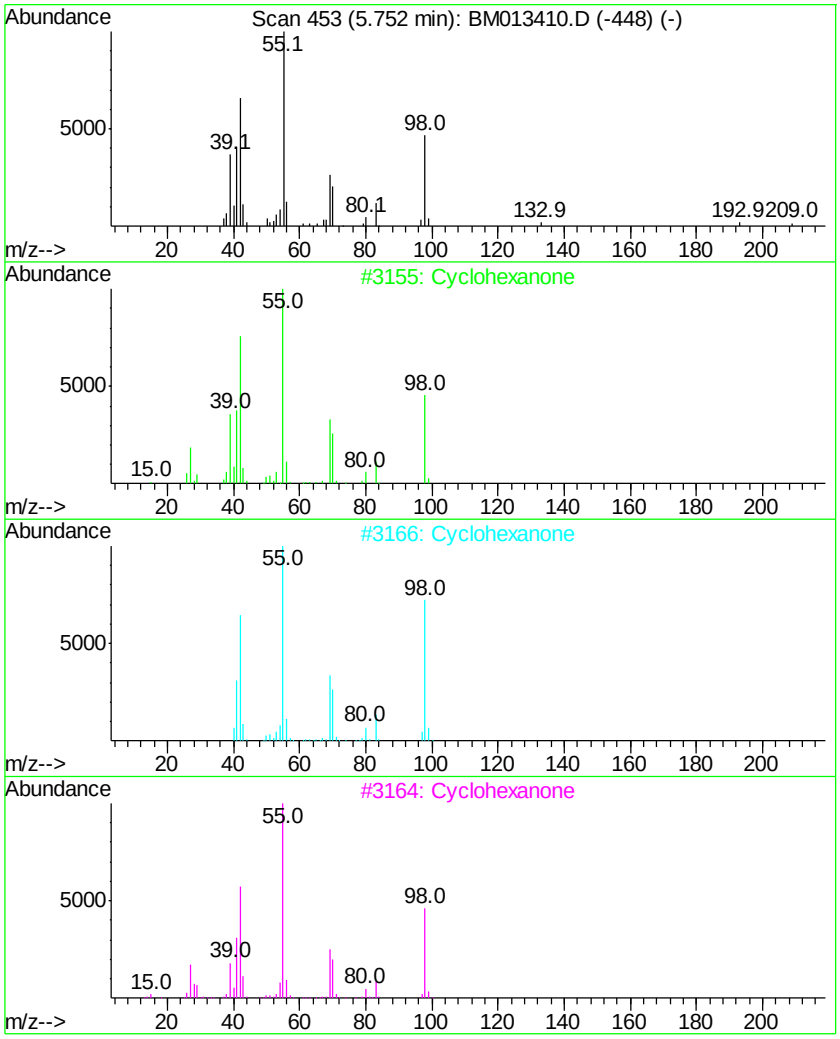
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

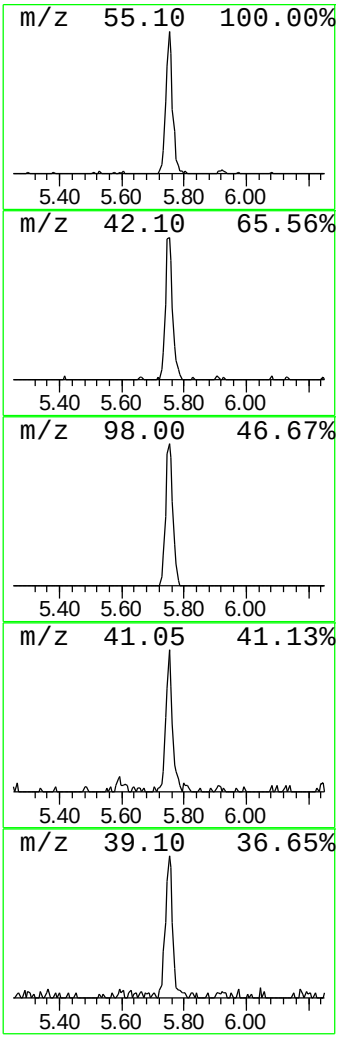
****

Peak Number 1 Cyclohexanone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.75	4.20 ng/ul	199164	1,4-Dichlorobenzene-d4	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone	98	C6H10O	000108-94-1	94
2	Cyclohexanone	98	C6H10O	000108-94-1	91
3	Cyclohexanone	98	C6H10O	000108-94-1	91
4	Cyclopentanone, 2-methyl-	98	C6H10O	001120-72-5	83
5	Cyclohexanone	98	C6H10O	000108-94-1	78





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Data File : BM013410.D
Acq On : 14 Dec 2017 19:57
Operator : SJ/JU
Sample : I6900-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9C06

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

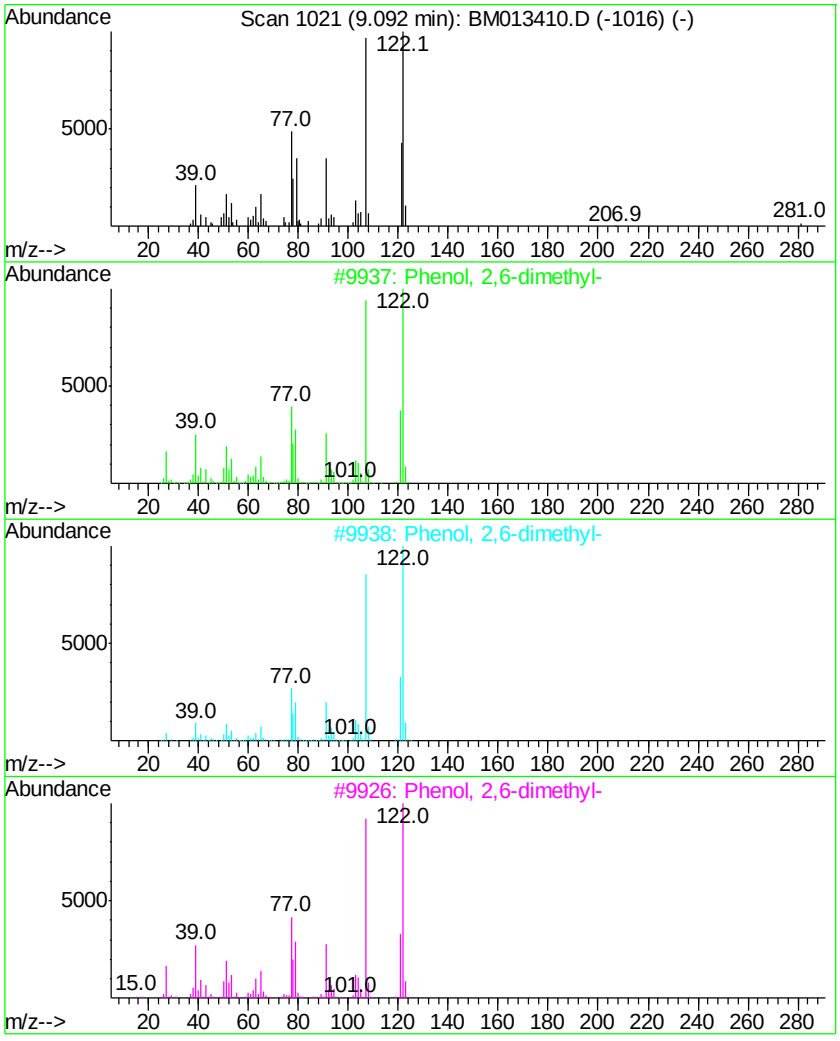
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

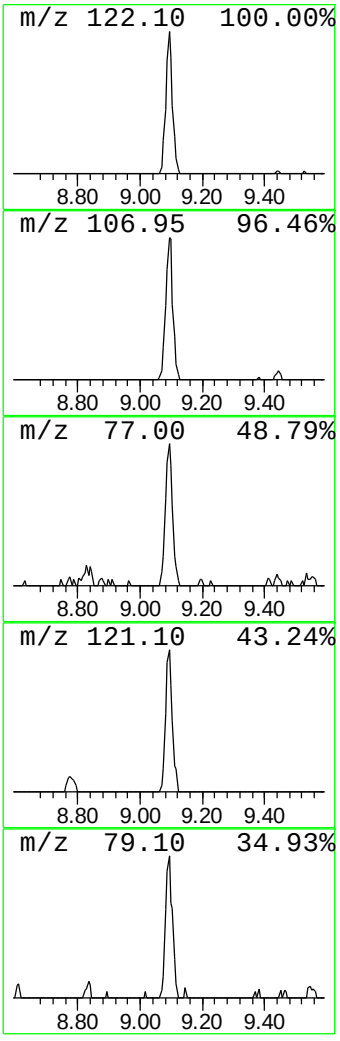
****

Peak Number 2 Phenol, 2,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	2.78 ng/ul	191457	Naphthalene-d8	10.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	94
2	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	94
3	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	94
4	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	94
5	Phenol, 2,3-dimethyl-	122	C8H10O	000526-75-0	91





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013410.D
Acq On : 14 Dec 2017 19:57
Operator : SJ/JU
Sample : I6900-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9C06

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

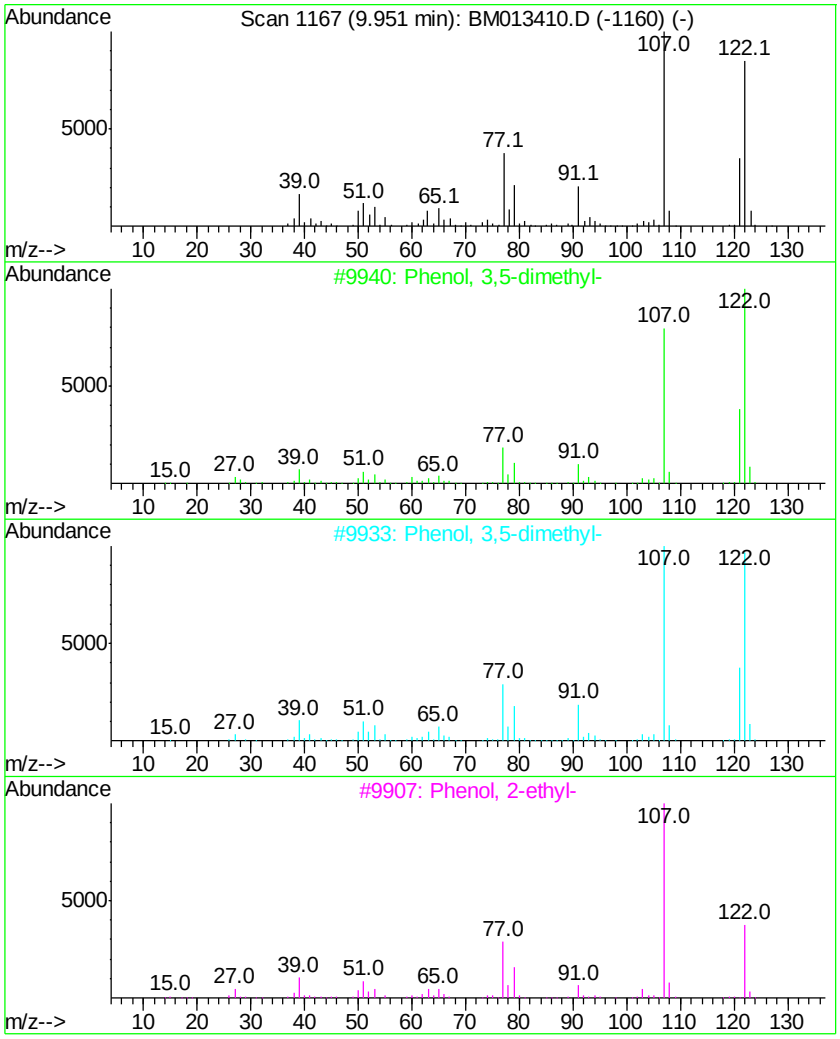
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

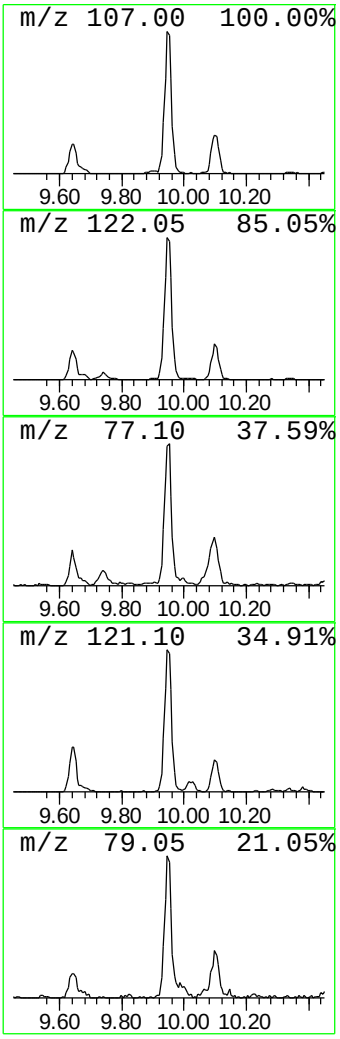
****

Peak Number 3 Phenol, 3,5-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	17.25 ng/ul	1188500	Naphthalene-d8	10.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3,5-dimethyl-	122	C8H10O	000108-68-9	96
2	Phenol, 3,5-dimethyl-	122	C8H10O	000108-68-9	95
3	Phenol, 2-ethyl-	122	C8H10O	000090-00-6	94
4	Phenol, 3,5-dimethyl-	122	C8H10O	000108-68-9	94
5	Phenol, 2,5-dimethyl-	122	C8H10O	000095-87-4	93





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Data File : BM013410.D
Acq On : 14 Dec 2017 19:57
Operator : SJ/JU
Sample : I6900-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9C06

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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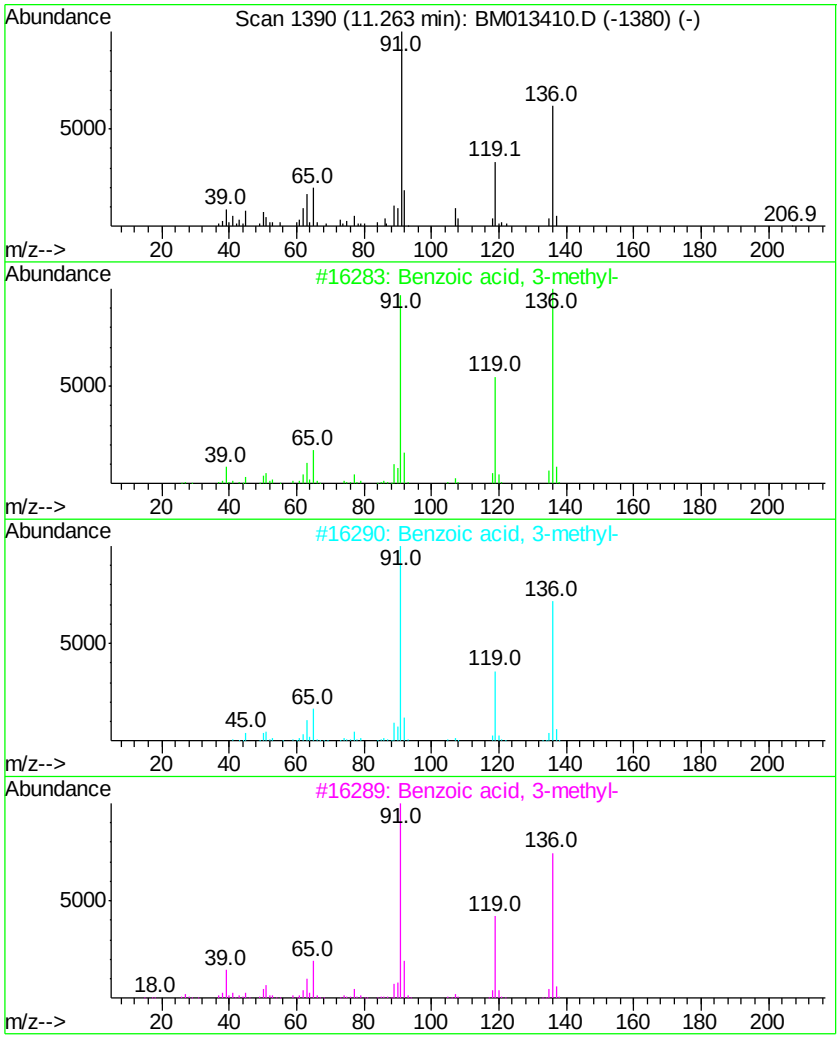
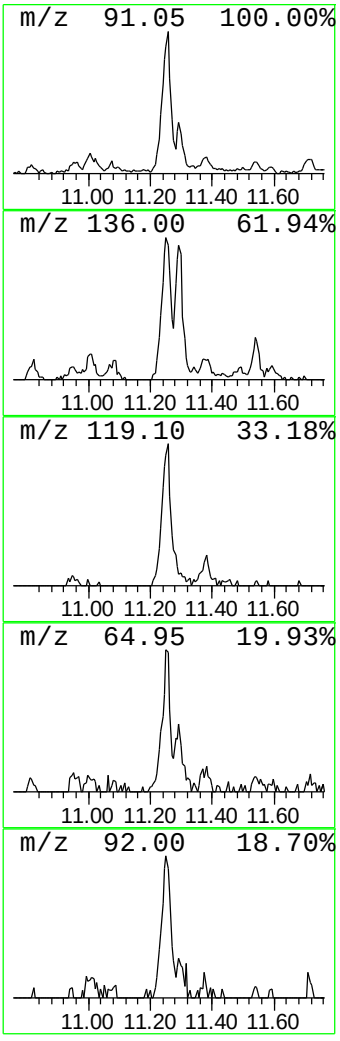
Peak Number 4 Benzoic acid, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	3.72 ng/ul	256020	Naphthalene-d8	10.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 3-methyl-	136	C8H8O2	000099-04-7	95
2	Benzoic acid, 3-methyl-	136	C8H8O2	000099-04-7	94
3	Benzoic acid, 3-methyl-	136	C8H8O2	000099-04-7	93
4	Benzoic acid, 4-methyl-	136	C8H8O2	000099-94-5	90
5	Benzoic acid, 4-methyl-	136	C8H8O2	000099-94-5	90





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Data File : BM013410.D
Acq On : 14 Dec 2017 19:57
Operator : SJ/JU
Sample : I6900-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9C06

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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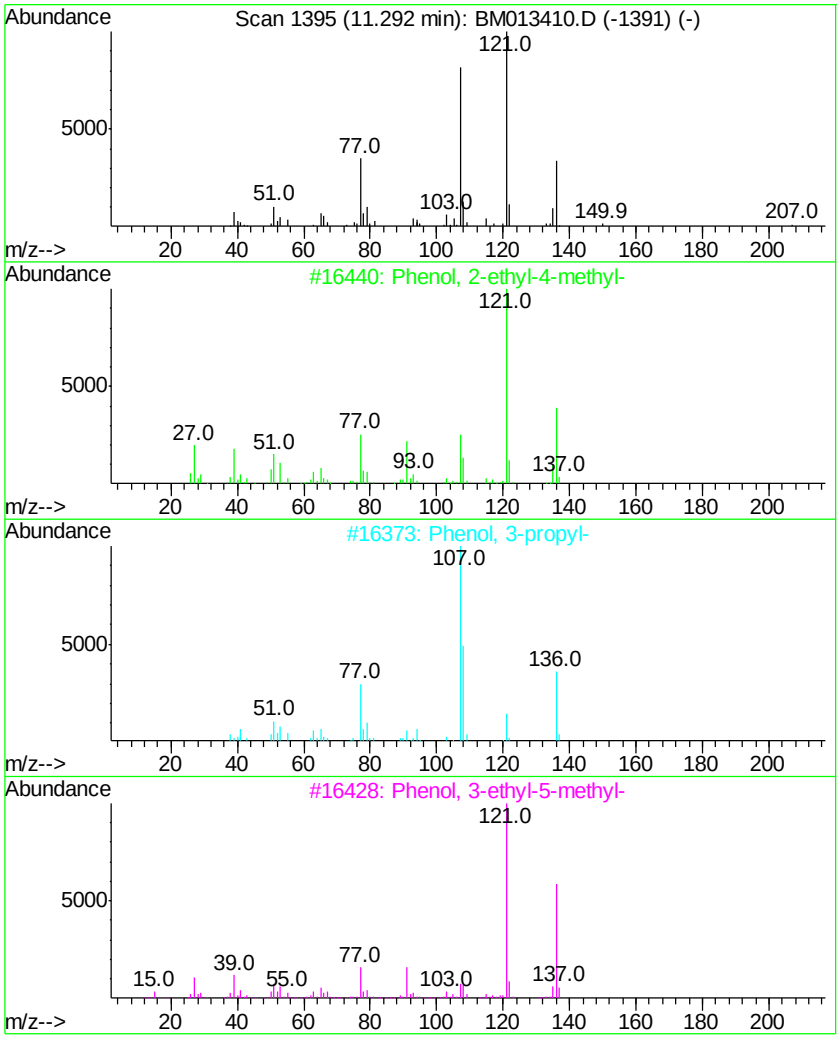
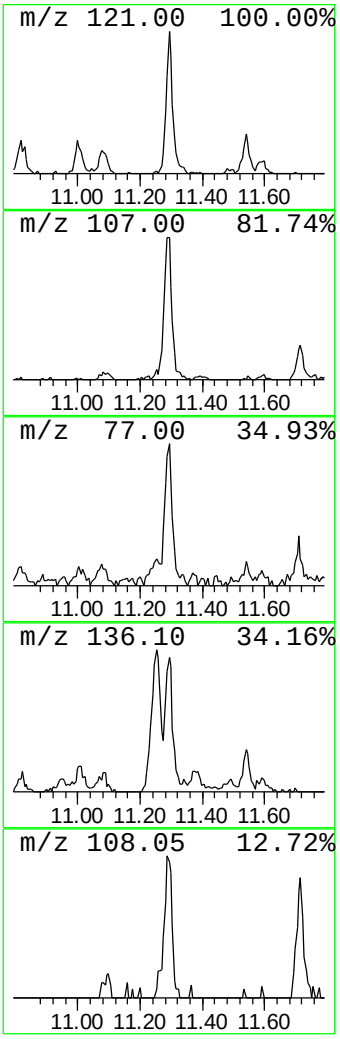
Peak Number 5 Phenol, 2-ethyl-4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	4.19 ng/ul	288823	Naphthalene-d8	10.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-ethyl-4-methyl-	136	C9H12O	003855-26-3	52
2	Phenol, 3-propyl-	136	C9H12O	000621-27-2	47
3	Phenol, 3-ethyl-5-methyl-	136	C9H12O	000698-71-5	47
4	Phenol, 2,4,6-trimethyl-	136	C9H12O	000527-60-6	43
5	Benzene, 1-ethyl-4-methoxy-	136	C9H12O	001515-95-3	43





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013410.D
Acq On : 14 Dec 2017 19:57
Operator : SJ/JU
Sample : I6900-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9C06

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

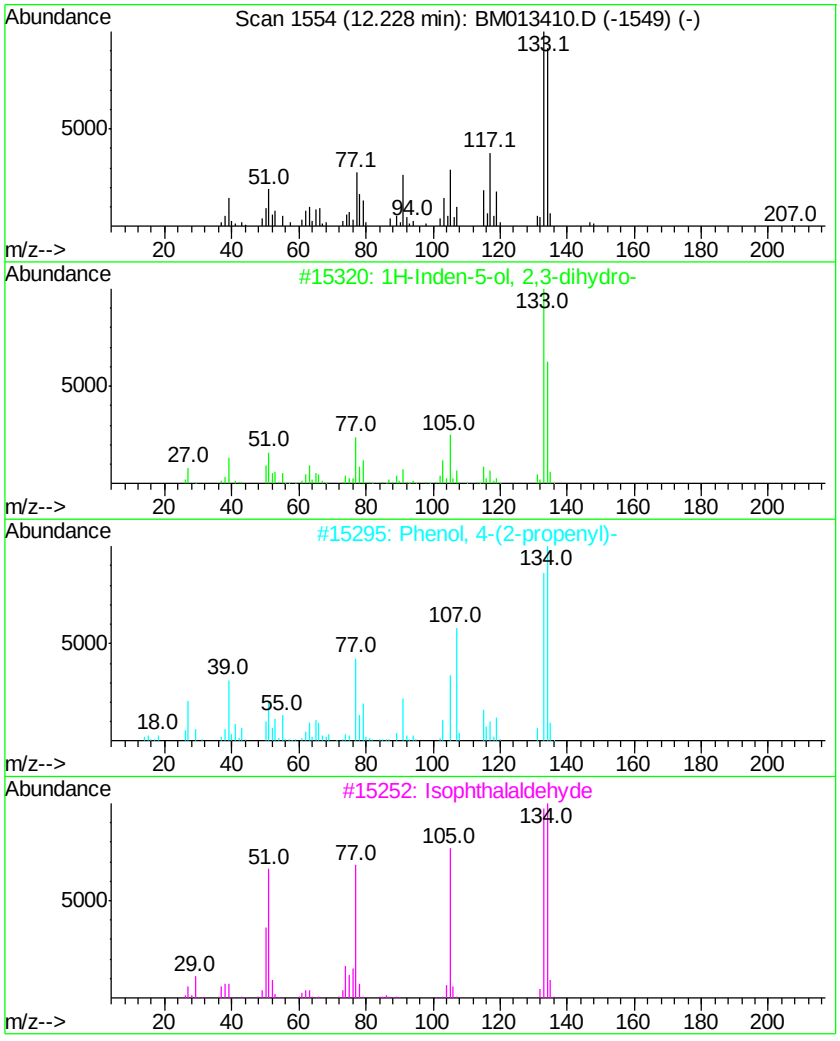
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

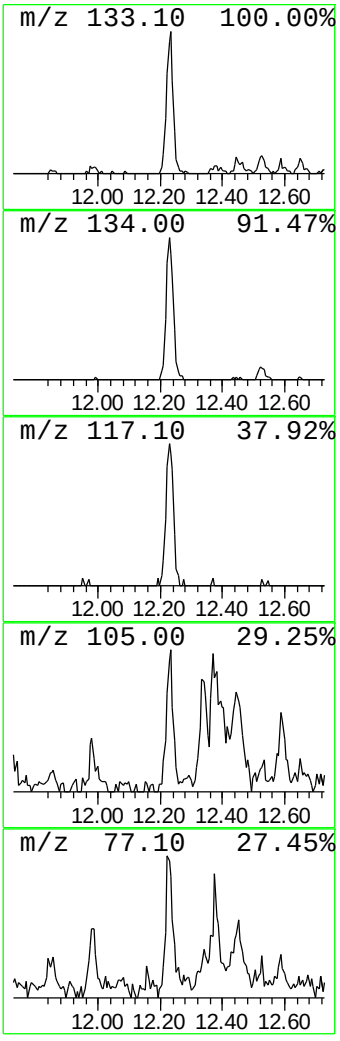
****

Peak Number 6 1H-Inden-5-ol, 2,3-dihydro- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	3.29 ng/ul	226915	Naphthalene-d8	10.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-5-ol, 2,3-dihydro-	134	C9H10O	001470-94-6	96
2	Phenol, 4-(2-propenyl)-	134	C9H10O	000501-92-8	76
3	Isophthalaldehyde	134	C8H6O2	000626-19-7	76
4	Benzaldehyde, 3,4-dimethyl-	134	C9H10O	005973-71-7	76
5	1H-Inden-5-ol, 2,3-dihydro-	134	C9H10O	001470-94-6	68





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013410.D
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Operator : SJ/JU
Sample : I6900-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9C06

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

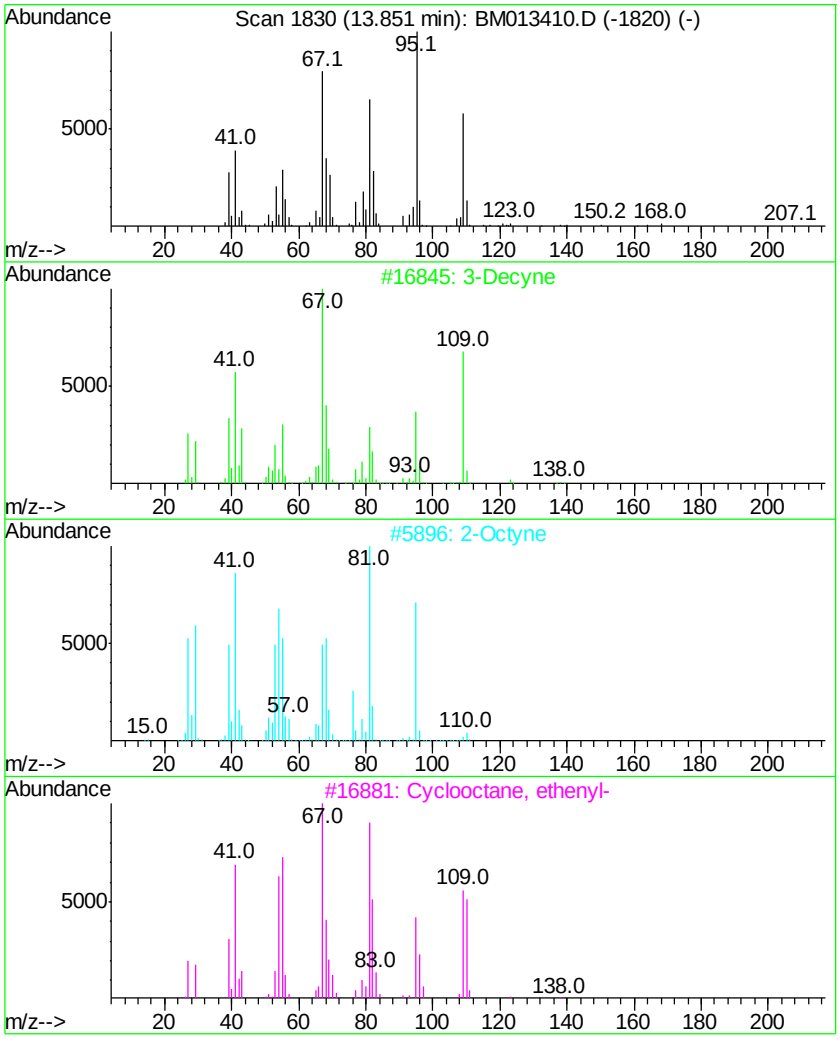
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

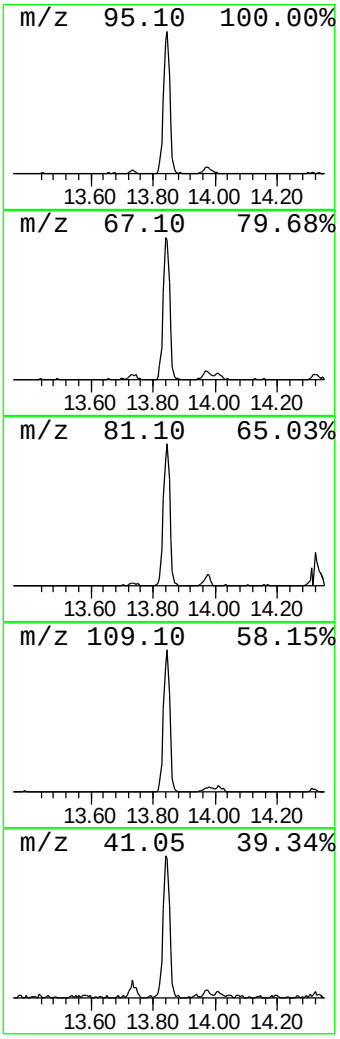
****

Peak Number 7 3-Decyne Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	7.22 ng/ul	729753	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Decyne	138	C10H18	002384-85-2	62
2	2-Octyne	110	C8H14	002809-67-8	58
3	Cyclooctane, ethenyl-	138	C10H18	061142-41-4	46
4	5-Hexenal, 4-methylene-	110	C7H10O	017844-21-2	43
5	Bicyclo[4.2.0.]octane, 6,7-dimethyl	138	C10H18	1000063-19-2	38





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Data File : BM013410.D
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Sample : I6900-07
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Instrument : BNA_M
ClientSampleId : F9C06

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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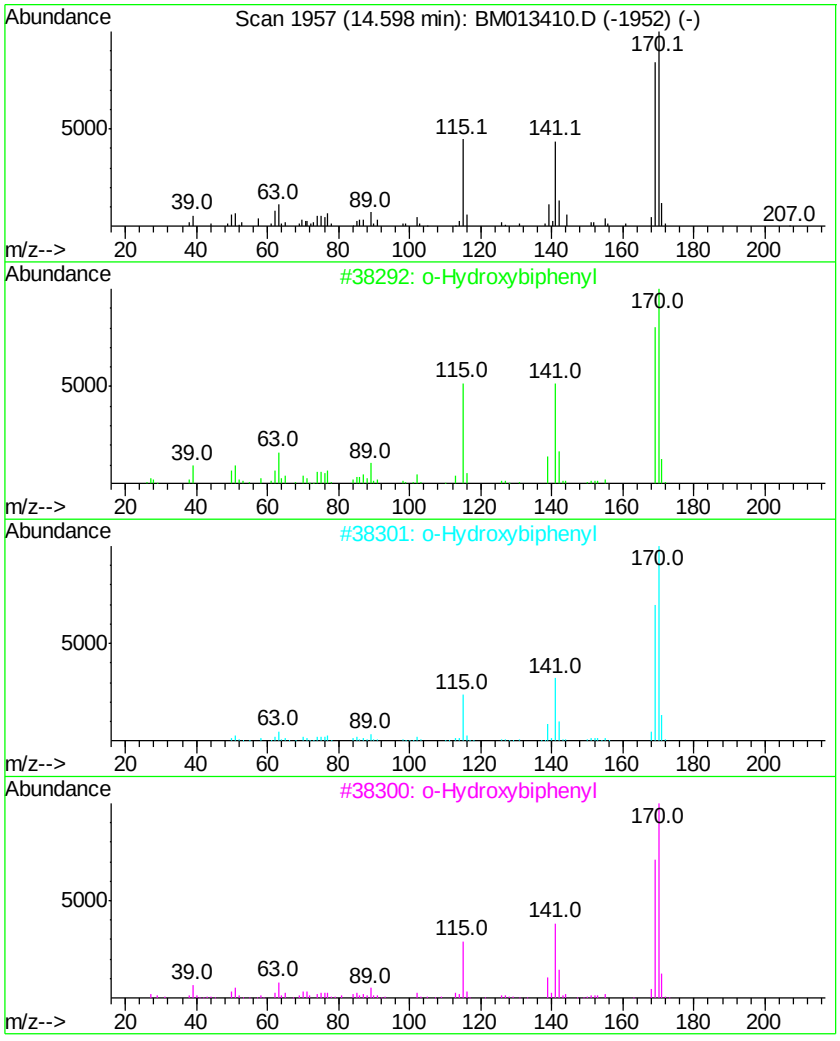
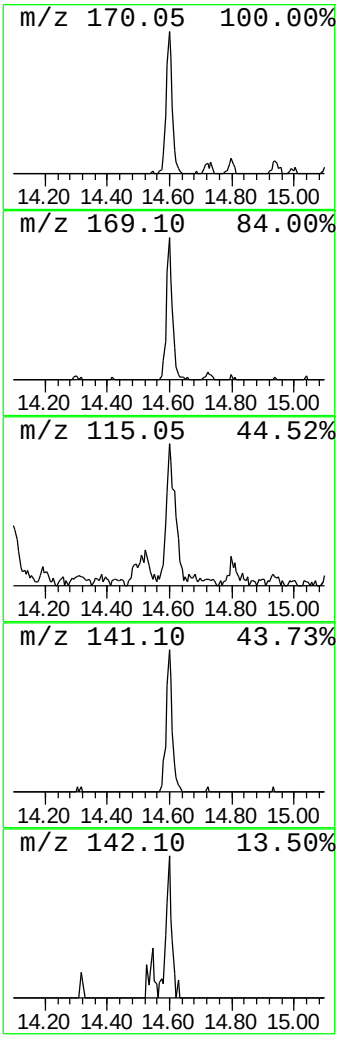
Peak Number 8 o-Hydroxybiphenyl Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	2.37 ng/ul	239388	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	96
2	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	95
3	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	94
4	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	90
5	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	87





Library Search Compound Report

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Data File : BM013410.D
Acq On : 14 Dec 2017 19:57
Operator : SJ/JU
Sample : I6900-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9C06

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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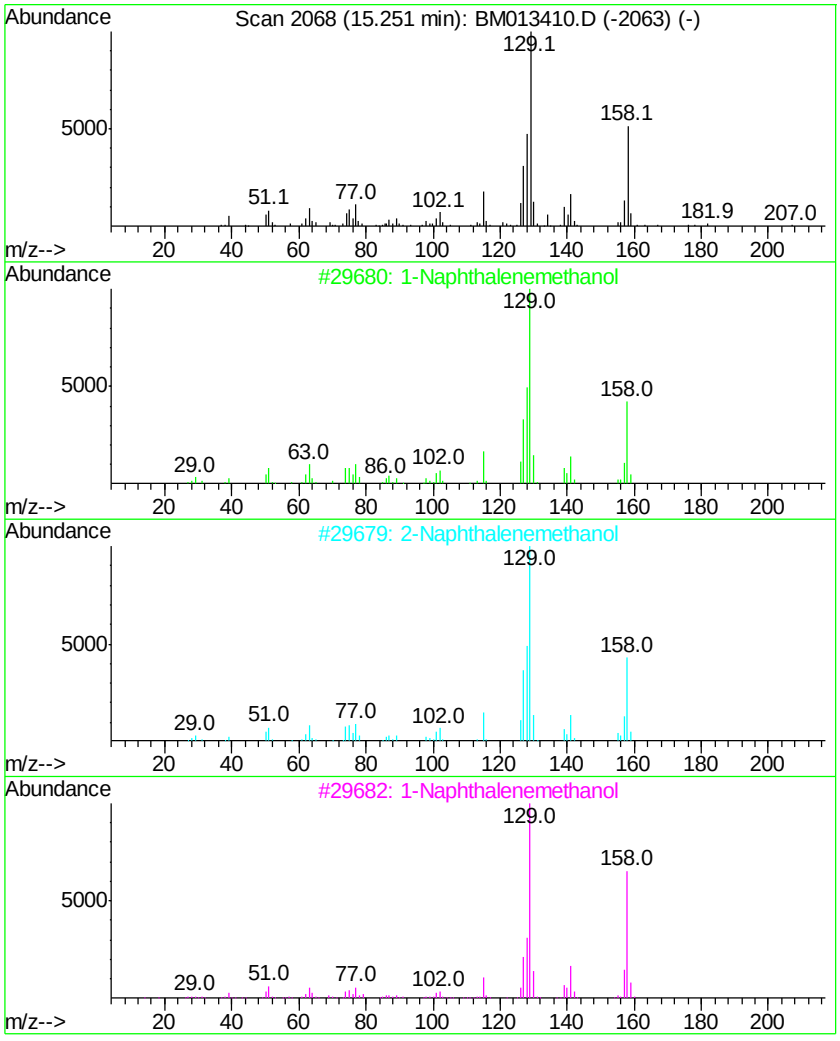
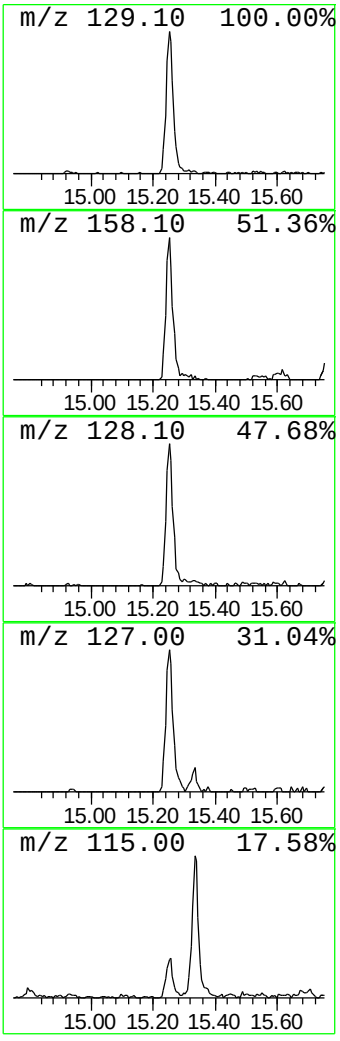
Peak Number 9 1-Naphthalenemethanol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.25	4.21 ng/ul	425951	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenemethanol	158	C11H10O	004780-79-4	97
2	2-Naphthalenemethanol	158	C11H10O	001592-38-7	95
3	1-Naphthalenemethanol	158	C11H10O	004780-79-4	87
4	1,4-Methanonaphthalen-9-ol, 1,4-...	158	C11H10O	004796-33-2	86
5	1-Naphthalenol, 2-methyl-	158	C11H10O	007469-77-4	76





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013410.D
Acq On : 14 Dec 2017 19:57
Operator : SJ/JU
Sample : I6900-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9C06

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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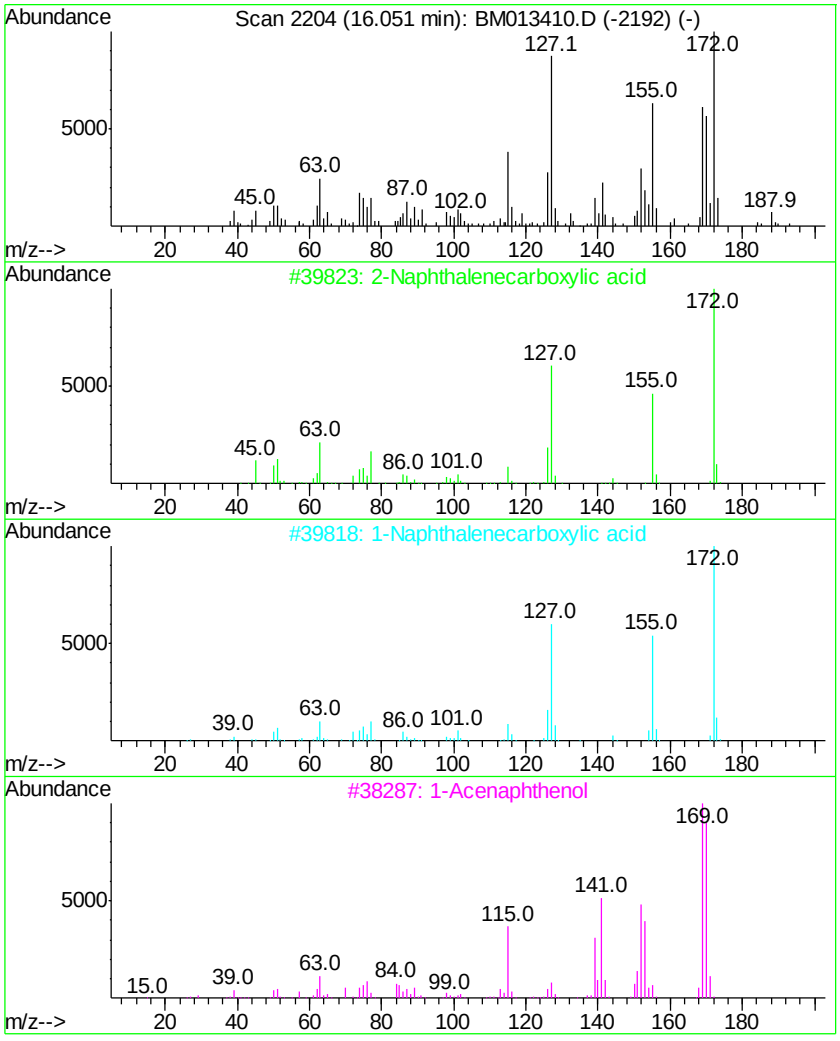
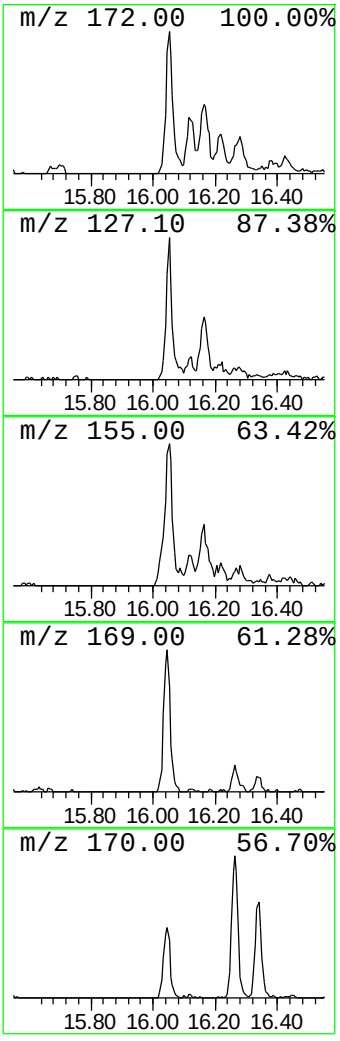
Peak Number 10 2-Naphthalenecarboxylic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	4.30 ng/ul	612913	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarboxylic acid	172	C11H8O2	000093-09-4	78
2	1-Naphthalenecarboxylic acid	172	C11H8O2	000086-55-5	64
3	1-Acenaphthenol	170	C12H10O	006306-07-6	60
4	1-Acenaphthenol	170	C12H10O	006306-07-6	60
5	2-Naphthalenecarboxylic acid	172	C11H8O2	000093-09-4	50





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM121417\
Data File : BM013410.D
Acq On : 14 Dec 2017 19:57
Operator : SJ/JU
Sample : I6900-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9C06

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA 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
Cyclohexanone	5.75	4.2	ng/ul	199164	1	7.67	949487	20.0
Phenol, 2,6-dimet...	9.09	2.8	ng/ul	191457	2	10.46	1377630	20.0
Phenol, 3,5-dimet...	9.95	17.3	ng/ul	1188500	2	10.46	1377630	20.0
Benzoic acid, 3-m...	11.26	3.7	ng/ul	256020	2	10.46	1377630	20.0
Phenol, 2-ethyl-4...	11.29	4.2	ng/ul	288823	2	10.46	1377630	20.0
1H-Inden-5-ol, 2,...	12.23	3.3	ng/ul	226915	2	10.46	1377630	20.0
3-Decyne	13.85	7.2	ng/ul	729753	3	14.32	2022800	20.0
o-Hydroxybiphenyl	14.60	2.4	ng/ul	239388	3	14.32	2022800	20.0
1-Naphthalenemeth...	15.25	4.2	ng/ul	425951	3	14.32	2022800	20.0
2-Naphthalenecarb...	16.05	4.3	ng/ul	612913	4	17.07	2851770	20.0