LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111717\
Data File : BM013036.D
Acq On : 18 Nov 2017 12:47
Operator : SJ/JU
Sample : I6405-19 5X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE2W0

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-BM111617.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	3.969	146	150	156	rVB	49322	64894	2.38%	0.258%
2	5.069	332	337	346	rVB	181878	272437	9.98%	1.081%
3	5.257	363	369	379	rVB	251071	360502	13.20%	1.431%
4	5.387	385	391	400	rBV	518487	807025	29.55%	3.203%
5	5.457	400	403	412	rVB5	21604	37386	1.37%	0.148%
6	5.751	447	453	462	rBV	120478	184943	6.77%	0.734%
7	6.222	523	533	538	rBV2	54920	86929	3.18%	0.345%
8	6.398	555	563	569	rVB4	32515	74356	2.72%	0.295%
9	6.710	610	616	624	rBV	22568	46920	1.72%	0.186%
10	6.857	636	641	643	rBV3	30903	46508	1.70%	0.185%
11	6.887	643	646	653	rVV3	37315	64333	2.36%	0.255%
12	6.945	653	656	660	rVB2	21768	28731	1.05%	0.114%
13	7.057	668	675	680	rBV	115107	173206	6.34%	0.688%
14	7.110	680	684	688	rVV	25660	33559	1.23%	0.133%
15	7.251	701	708	718	rBV	127308	219402	8.03%	0.871%
16	7.369	722	728	733	rBV	76883	118442	4.34%	0.470%
17	7.422	733	737	743	rVB3	26529	40872	1.50%	0.162%
18	7.716	780	787	797	rBV	602016	998817	36.57%	3.965%
19	7.828	799	806	813	rVV2	40839	72587	2.66%	0.288%
20	7.922	817	822	829	rBV4	47629	73911	2.71%	0.293%
21	8.087	841	850	855	rBV2	148975	295748	10.83%	1.174%
22	8.263	874	880	885	rVB4	16139	27559	1.01%	0.109%
23	8.416	900	906	911	rVB	102029	160882	5.89%	0.639%
24	8.816	967	974	977	rVV2	35173	56846	2.08%	0.226%
25	8.869	977	983	991	rVV	152242	276209	10.11%	1.096%
26	8.945	991	996	1005	rVB8	40997	83989	3.08%	0.333%
27	9.186	1032	1037	1041	rVB4	18968	27727	1.02%	0.110%
28	9.392	1068	1072	1081	rVB5	15488	27927	1.02%	0.111%
29	9.581	1098	1104	1110	rBV2	110962	186352	6.82%	0.740%
30	9.745	1126	1132	1143	rVB7	23211	51097	1.87%	0.203%
31	9.869	1149	1153	1156	rBV2	21037	36677	1.34%	0.146%
32	9.916	1156	1161	1168	rVV8	57679	130043	4.76%	0.516%
33	9.992	1168	1174	1179	rVV8	31869	74155	2.72%	0.294%
34	10.122	1189	1196	1205	rBV	184881	316498	11.59%	1.256%

LSC Area Percent Report

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Acq On : 18 Nov 2017 12:47
Operator : SJ/JU
Sample : I6405-19 5X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE2W0

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-BM111617.M
Title : SVOA CALIBRATION

35	10.239	1213	1216	1225	rVB5	37563	65082	2.38%	0.258%
36	10.316	1225	1229	1233	rBV6	15358	29177	1.07%	0.116%
37	10.498	1253	1260	1265	rBV	779991	1324068	48.48%	5.256%
38	10.545	1265	1268	1279	rVV	349276	556795	20.39%	2.210%
39	10.669	1282	1289	1297	rVB5	24552	59421	2.18%	0.236%
40	10.892	1317	1327	1335	rVB5	54907	135391	4.96%	0.537%
41	11.098	1356	1362	1372	rBV2	137352	243213	8.91%	0.965%
42	11.845	1480	1489	1496	rBV	94012	181489	6.65%	0.720%
43	12.163	1535	1543	1548	rVB2	76015	122332	4.48%	0.486%
44	12.380	1575	1580	1589	rVB	93413	159721	5.85%	0.634%
45	12.939	1669	1675	1680	rBV5	26078	38413	1.41%	0.152%
46	12.998	1680	1685	1693	rVB	88426	127461	4.67%	0.506%
47	13.769	1810	1816	1822	rVV	375114	555215	20.33%	2.204%
48	13.833	1822	1827	1836	rVV	201360	332081	12.16%	1.318%
49	14.045	1858	1863	1873	rVB	420748	620718	22.73%	2.464%
50	14.139	1873	1879	1882	rBV4	23987	46782	1.71%	0.186%
51	14.357	1907	1916	1921	rBV2	1101911	1753029	64.19%	6.958%
52	14.557	1942	1950	1958	rBV3	37676	70106	2.57%	0.278%
53	15.351	2079	2085	2092	rBV2	515636	803237	29.41%	3.188%
54	15.463	2098	2104	2113	rBV	123540	194642	7.13%	0.773%
55	15.645	2133	2135	2141	rVB5	21254	28086	1.03%	0.111%
56	15.862	2166	2172	2173	rBV3	42057	72462	2.65%	0.288%
57	16.027	2195	2200	2206	rBV3	45629	70486	2.58%	0.280%
58	16.251	2234	2238	2241	rBV4	21249	30025	1.10%	0.119%
59	16.574	2288	2293	2298	rBV6	26788	44922	1.64%	0.178%
60	16.786	2323	2329	2334	rBV7	14545	29737	1.09%	0.118%
61	17.104	2376	2383	2389	rBV	1482933	2125432	77.82%	8.437%
62	17.198	2393	2399	2406	rVV	569146	809402	29.64%	3.213%
63	17.480	2443	2447	2450	rVB2	37580	50853	1.86%	0.202%
64	17.639	2469	2474	2484	rVB	60697	93875	3.44%	0.373%
65	17.774	2491	2497	2505	rBV5	53022	87903	3.22%	0.349%
66	18.145	2554	2560	2566	rVB	65500	107055	3.92%	0.425%
67	18.245	2570	2577	2580	rVV3	49977	82427	3.02%	0.327%
68	18.292	2580	2585	2591	rVB	122114	197608	7.24%	0.784%
69	19.003	2702	2706	2710	rBV5	23086	30320	1.11%	0.120%
70	19.233	2738	2745	2749	rBV6	52502	90676	3.32%	0.360%
71	19.492	2784	2789	2794	rBV2	726350	971682	35.58%	3.857%

LSC Area Percent Report

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Acq On : 18 Nov 2017 12:47
Operator : SJ/JU
Sample : I6405-19 5X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE2W0

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-BM111617.M
Title : SVOA CALIBRATION

72	19.545	2794	2798	2803	rVV	204146	258225	9.46%	1.025%
73	19.745	2829	2832	2836	rBV4	46922	53643	1.96%	0.213%
74	19.792	2836	2840	2843	rVB5	26156	31328	1.15%	0.124%
75	19.903	2855	2859	2862	rBV6	33321	45828	1.68%	0.182%
76	19.945	2864	2866	2869	rVB2	28049	30019	1.10%	0.119%
77	20.003	2872	2876	2878	rBV5	28533	31676	1.16%	0.126%
78	20.227	2910	2914	2919	rVB3	64299	77223	2.83%	0.307%
79	20.621	2978	2981	2986	rVB6	45332	58982	2.16%	0.234%
80	21.203	3077	3080	3083	rBV4	56249	58096	2.13%	0.231%
81	21.286	3089	3094	3102	rVB	2252754	2731061	100.00%	10.841%
82	21.409	3111	3115	3121	rBV	187001	259548	9.50%	1.030%
83	23.374	3443	3449	3456	rVB2	577863	1040435	38.10%	4.130%
84	23.521	3467	3474	3482	rVB	1392794	2618095	95.86%	10.392%

Sum of corrected areas: 25192952

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111717\
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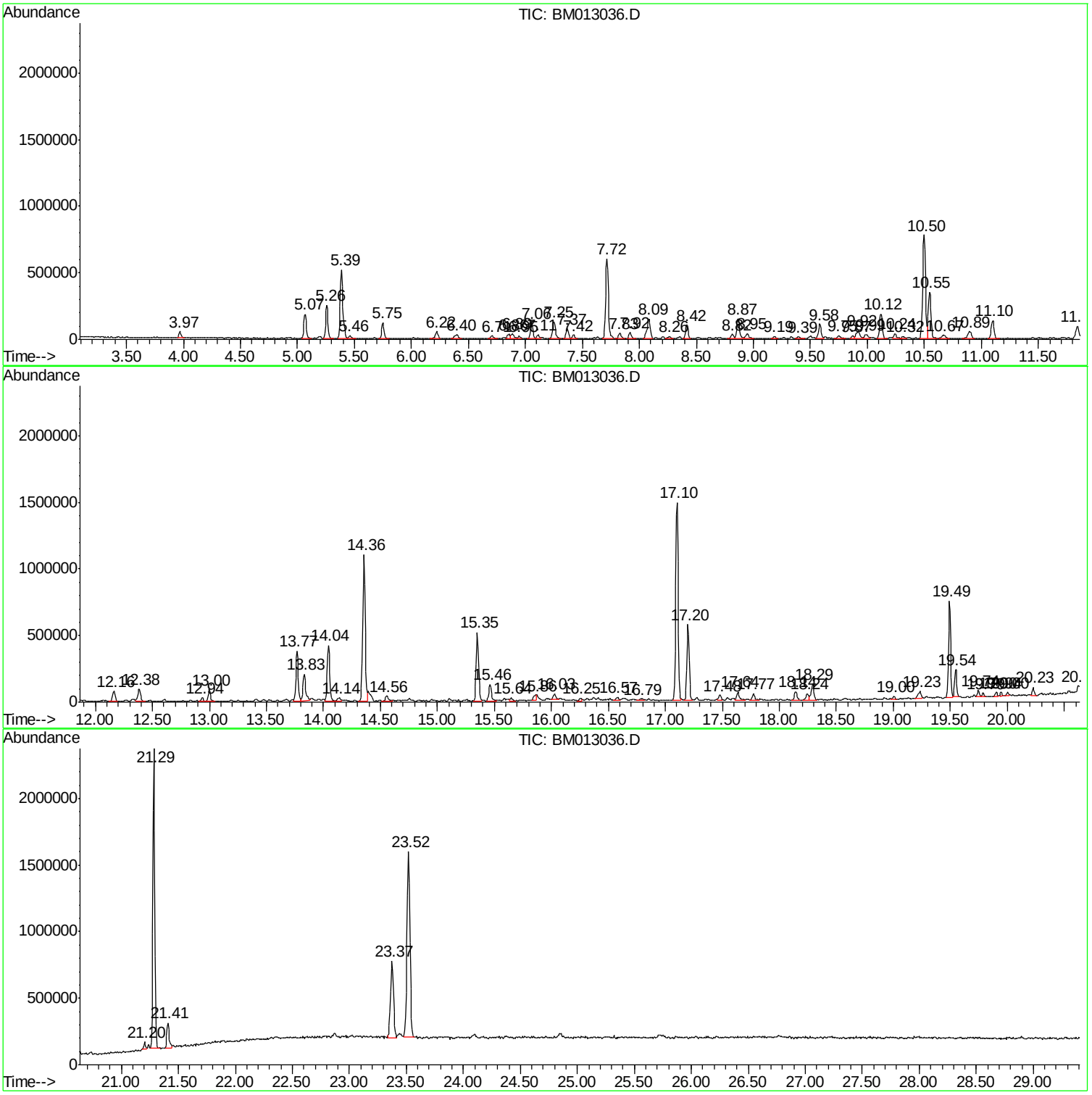
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE2W0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111717\
Data File : BM013036.D
Acq On : 18 Nov 2017 12:47
Operator : SJ/JU
Sample : I6405-19 5X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE2W0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

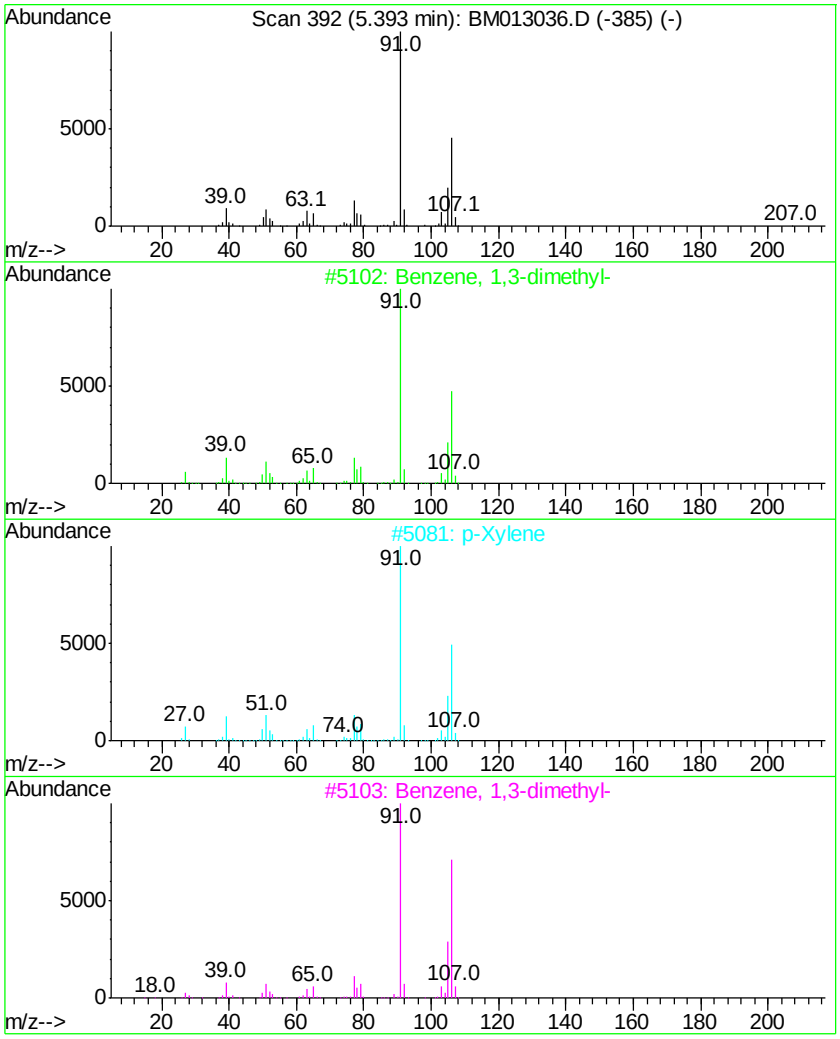
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

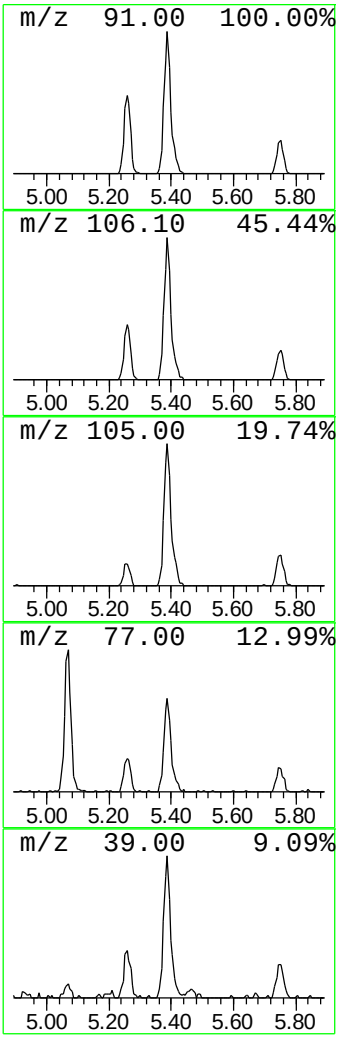
****

Peak Number 3 Benzene, 1,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.39	16.16 ng/ul	807025	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
2	p-Xylene	106	C8H10	000106-42-3	97
3	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	95
4	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	95
5	o-Xylene	106	C8H10	000095-47-6	94





Data Path : Z:\HPCHEM1\BNA M\DATA\BM111717\
Data File : BM013036.D
Acq On : 18 Nov 2017 12:47
Operator : SJ/JU
Sample : I6405-19 5X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE2W0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

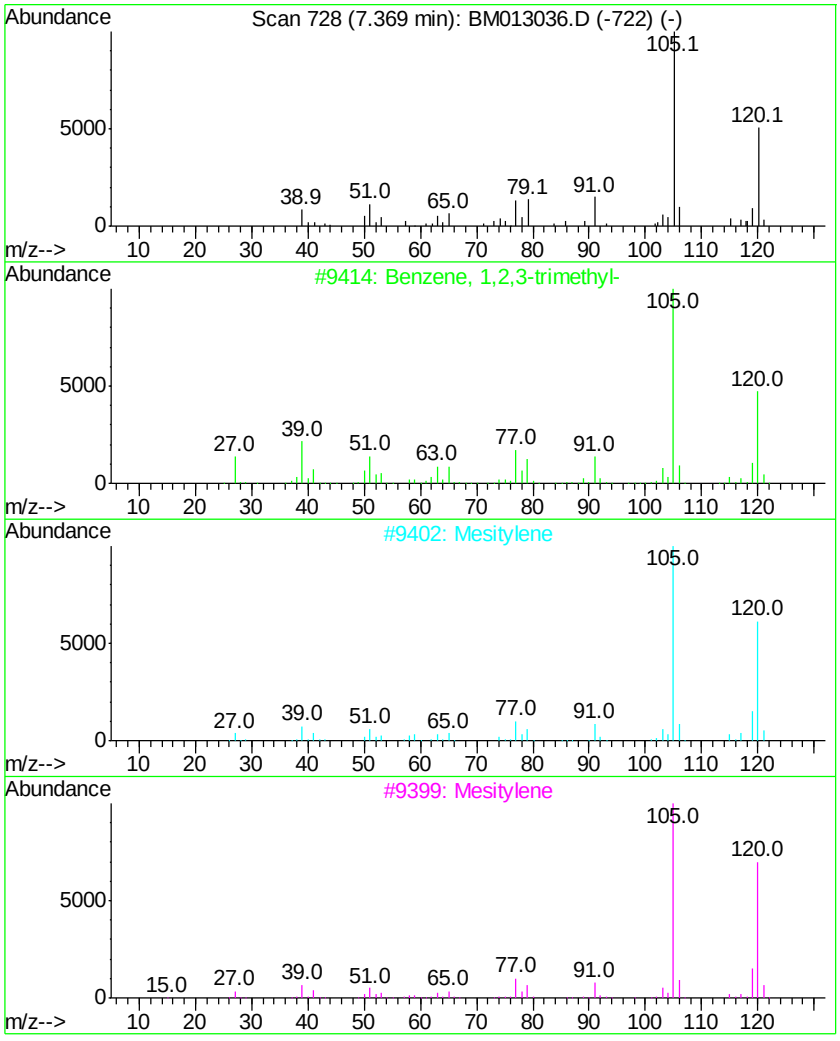
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

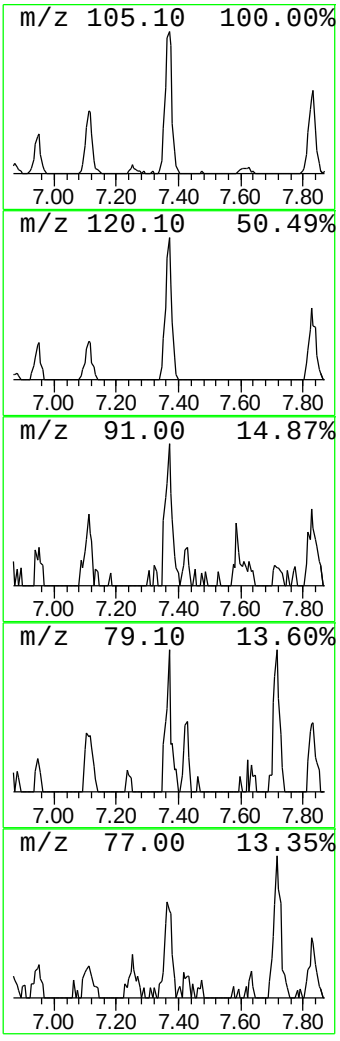
****

Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.37	2.37 ng/ul	118442	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
2	Mesitylene	120	C9H12	000108-67-8	91
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111717\
Data File : BM013036.D
Acq On : 18 Nov 2017 12:47
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Sample : I6405-19 5X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE2W0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

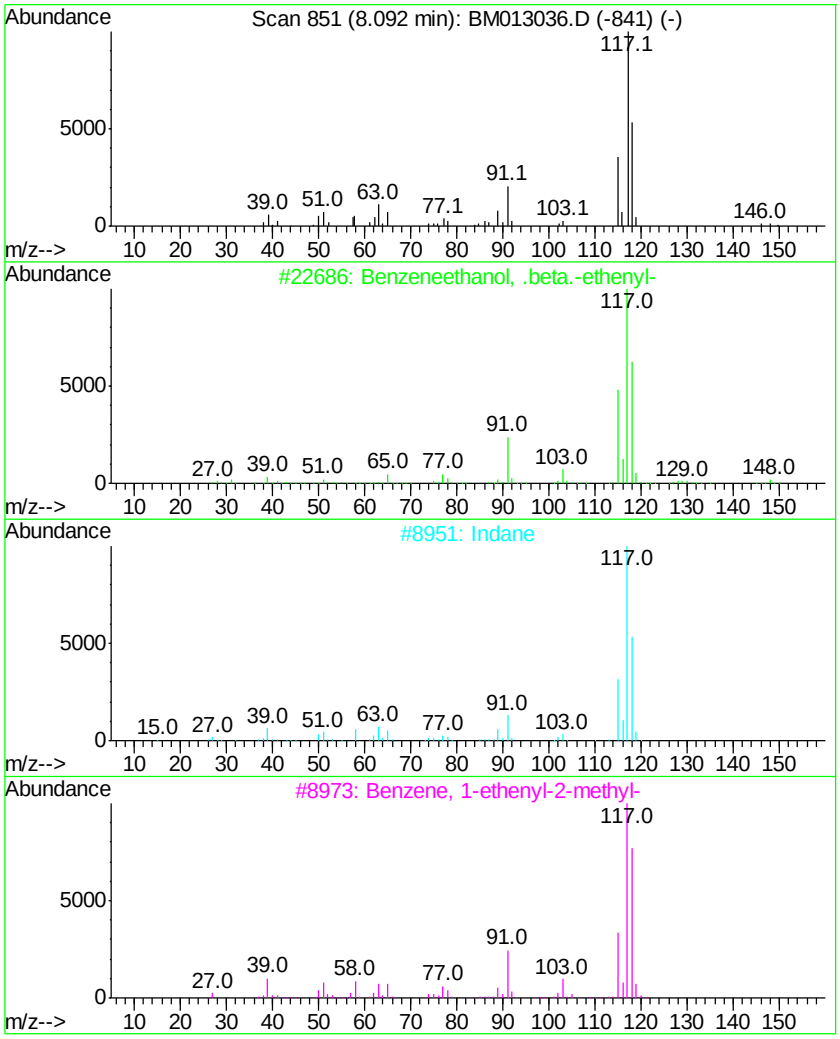
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

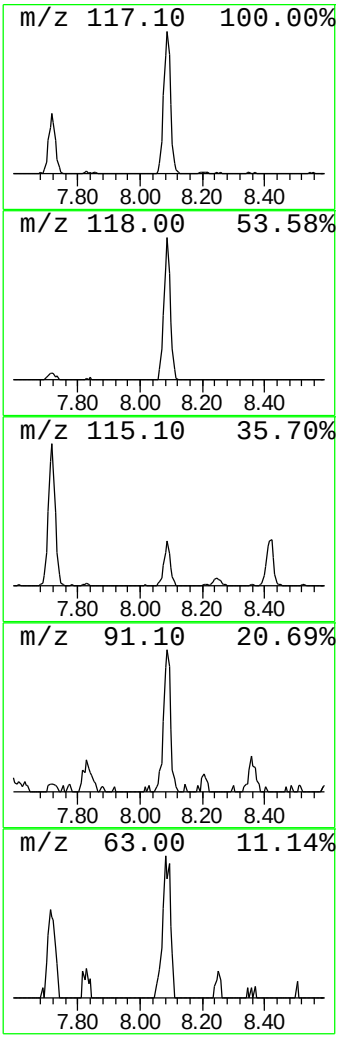
****

Peak Number 6 Benzeneethanol, .beta.-ethe... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.09	5.92 ng/ul	295748	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	78
2	Indane	118	C9H10	000496-11-7	70
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	62
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	62
5	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	59





Data Path : Z:\HPCHEM1\BNA M\DATA\BM111717\
Data File : BM013036.D
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Sample : I6405-19 5X
Misc :
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Instrument : BNA_M
ClientSampleId : BE2W0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

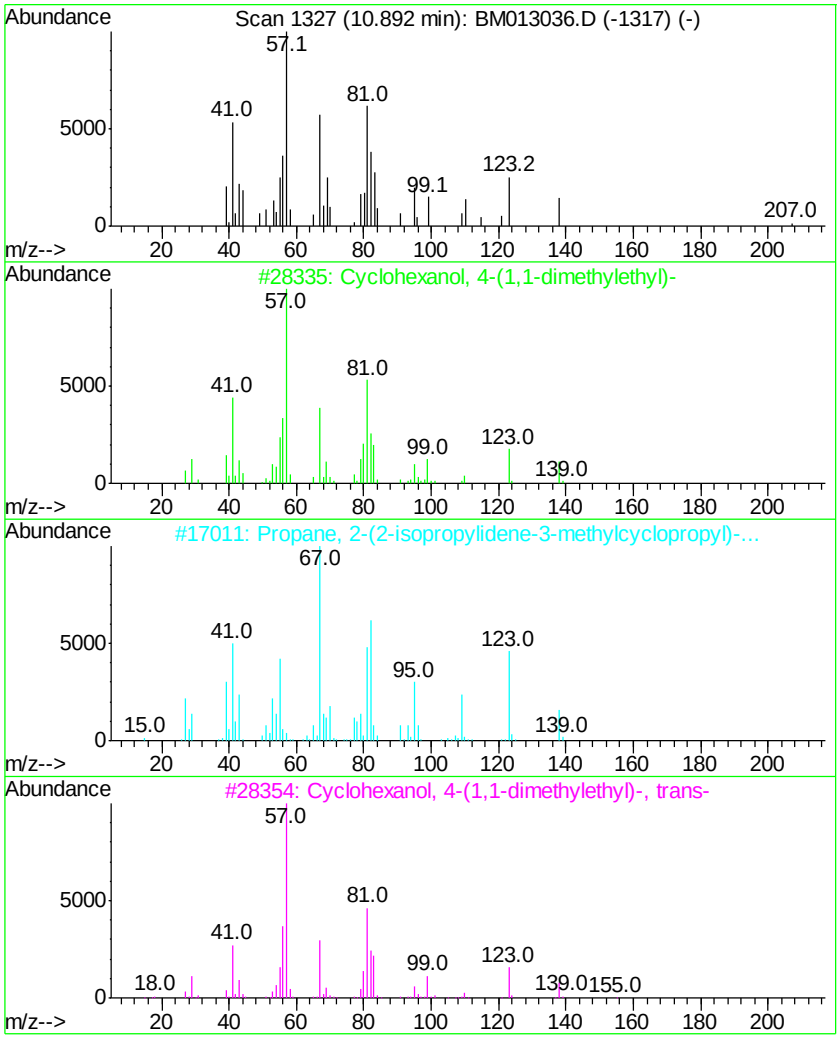
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

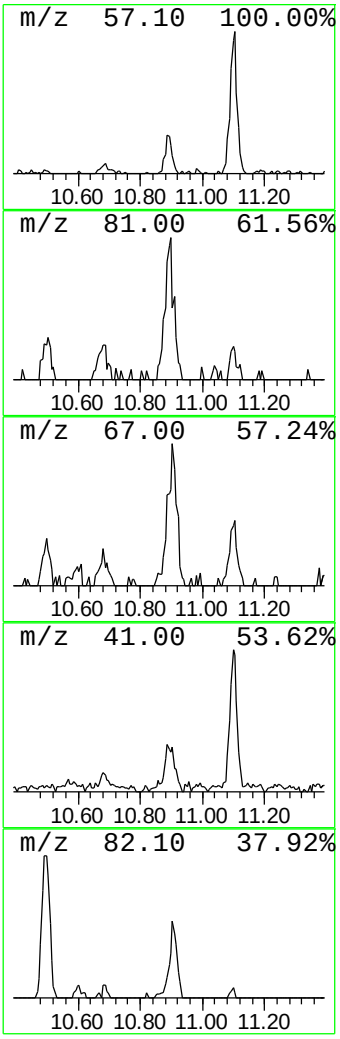
****

Peak Number 7 Cyclohexanol, 4-(1,1-dimeth... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.89	2.05 ng/ul	135391	Naphthalene-d8	10.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanol, 4-(1,1-dimethyleth...	156	C10H20O	000098-52-2	80
2	Propane, 2-(2-isopropylidene-3-m...	138	C10H18	024524-51-4	60
3	Cyclohexanol, 4-(1,1-dimethyleth...	156	C10H20O	021862-63-5	59
4	Cyclopropane, 1-methyl-2-(1-meth...	138	C10H18	024524-52-5	53
5	Cyclohexene, 4-(1,1-dimethylethyl)-	138	C10H18	002228-98-0	43





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Data File : BM013036.D
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Sample : I6405-19 5X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE2W0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

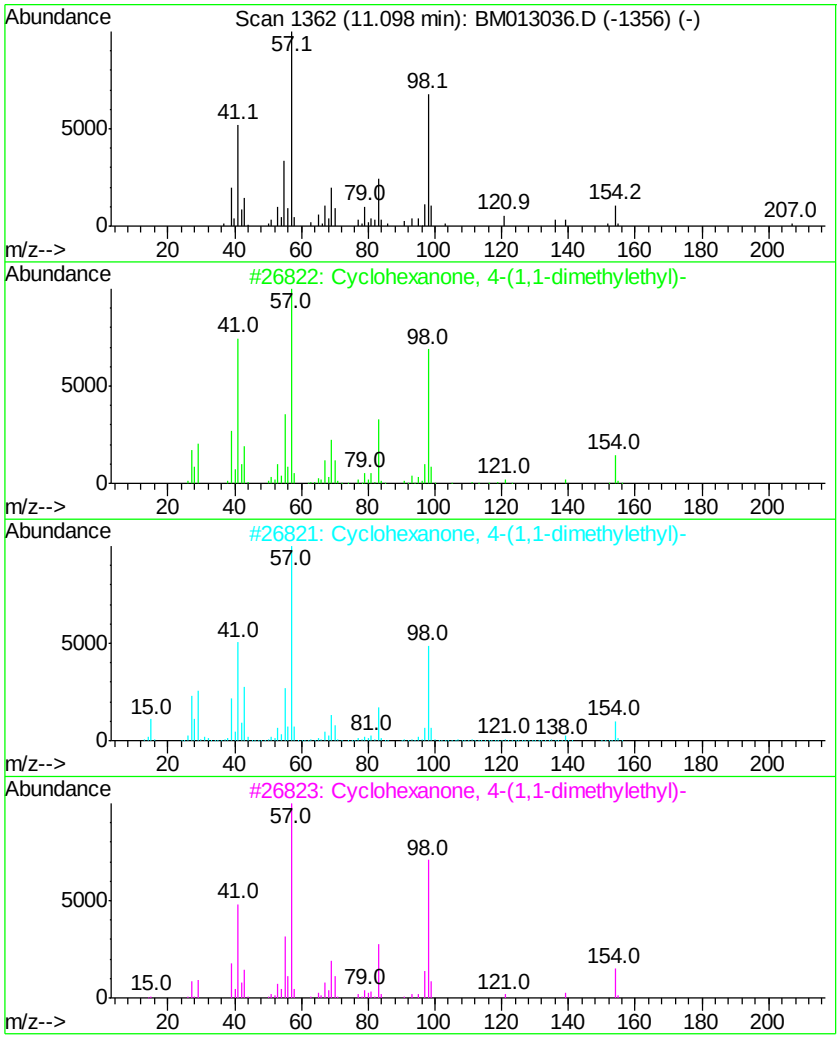
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

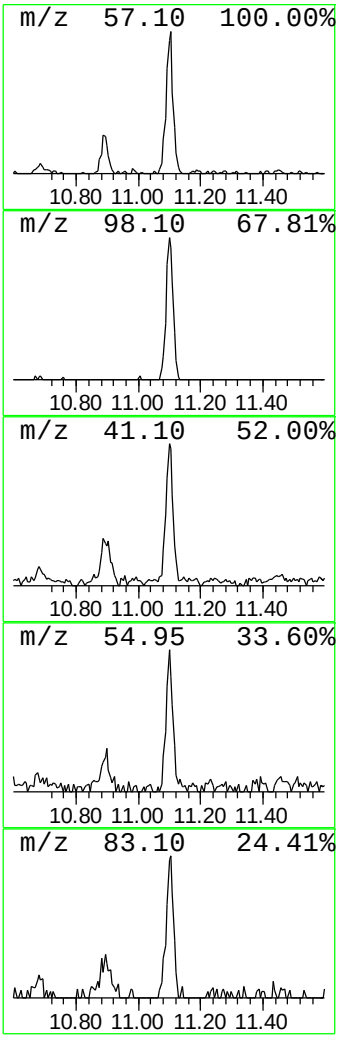
****

Peak Number 8 Cyclohexanone, 4-(1,1-dimet... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	3.67 ng/ul	243213	Naphthalene-d8	10.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 4-(1,1-dimethylet...	154	C10H18O	000098-53-3	93
2	Cyclohexanone, 4-(1,1-dimethylet...	154	C10H18O	000098-53-3	87
3	Cyclohexanone, 4-(1,1-dimethylet...	154	C10H18O	000098-53-3	87
4	Cyclohexanone, 4-(1,1-dimethylet...	154	C10H18O	000098-53-3	80
5	2-Pentenal, 2-methyl-	98	C6H10O	000623-36-9	52





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111717\
Data File : BM013036.D
Acq On : 18 Nov 2017 12:47
Operator : SJ/JU
Sample : I6405-19 5X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE2W0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

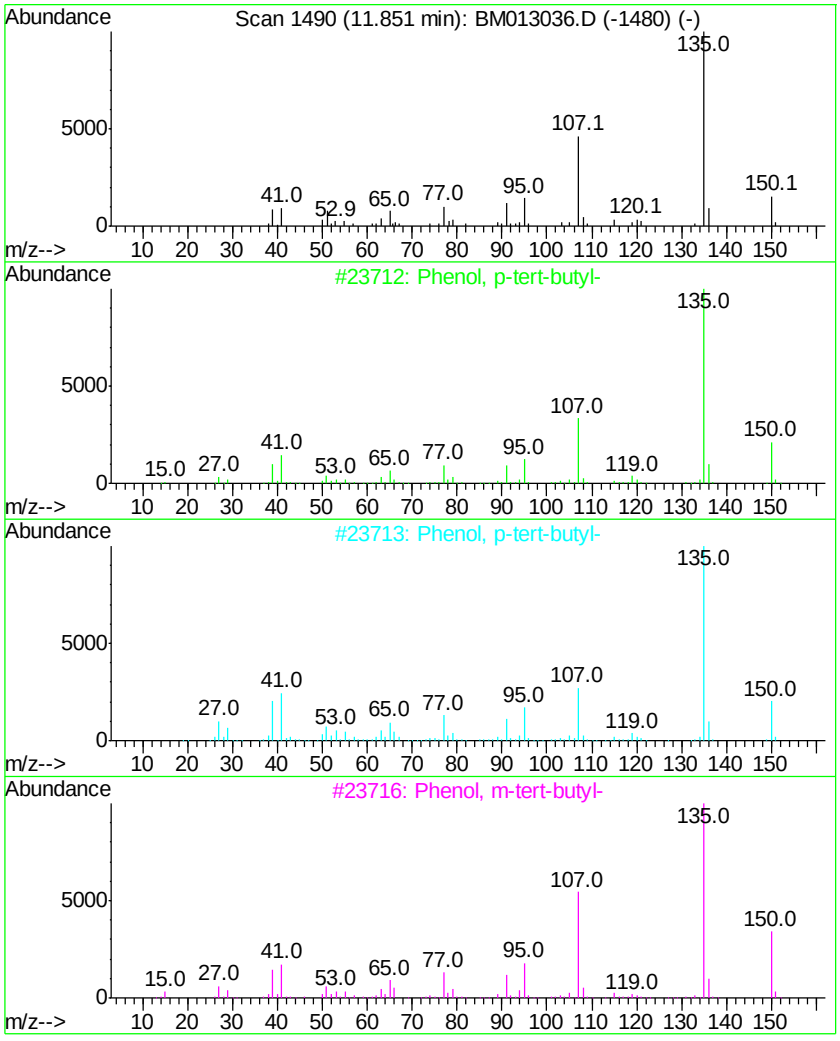
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

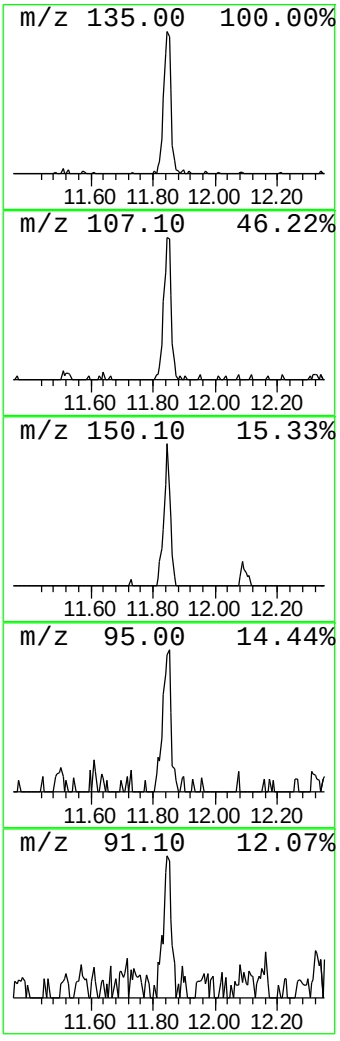
****

Peak Number 9 Phenol, p-tert-butyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	2.74 ng/ul	181489	Naphthalene-d8	10.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	95
2	Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	93
3	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	92
4	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	87
5	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	83





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Acq On : 18 Nov 2017 12:47
Operator : SJ/JU
Sample : I6405-19 5X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE2W0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

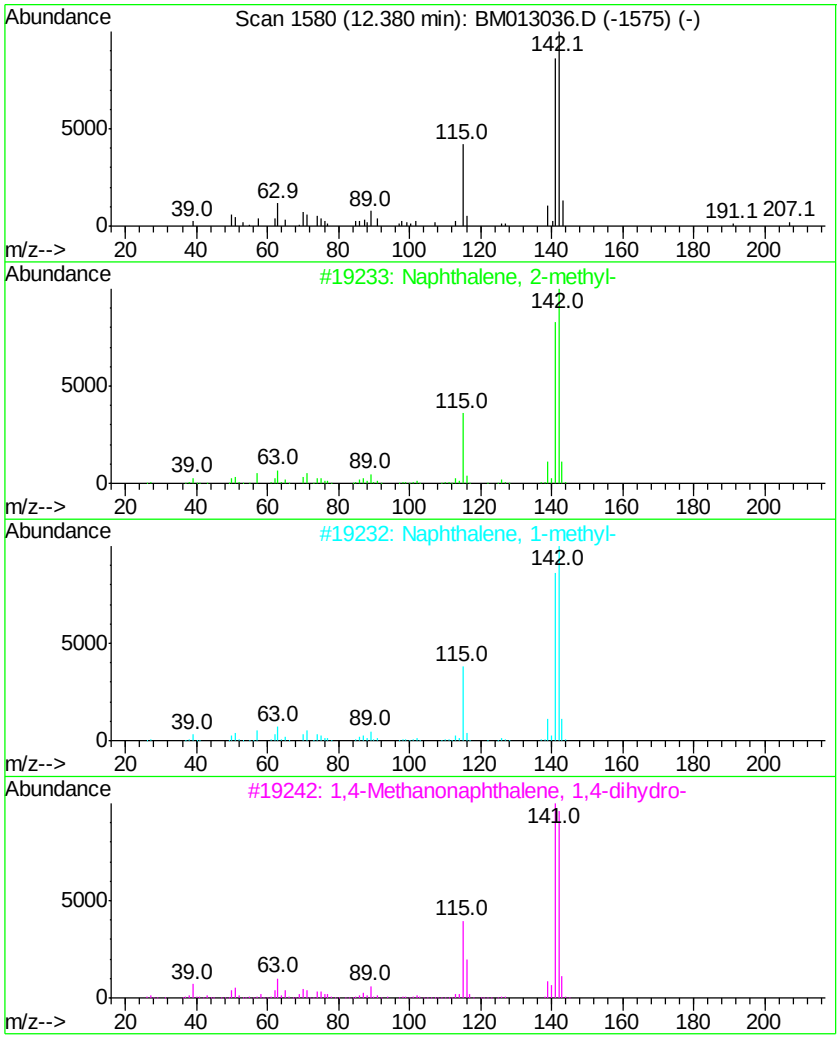
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

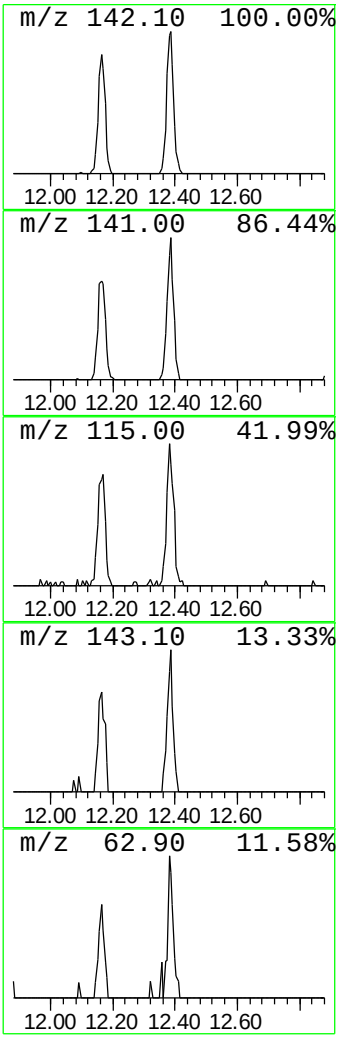
****

Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	2.41 ng/ul	159721	Naphthalene-d8	10.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Data Path : Z:\HPCHEM1\BNA M\DATA\BM111717\
Data File : BM013036.D
Acq On : 18 Nov 2017 12:47
Operator : SJ/JU
Sample : I6405-19 5X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE2W0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

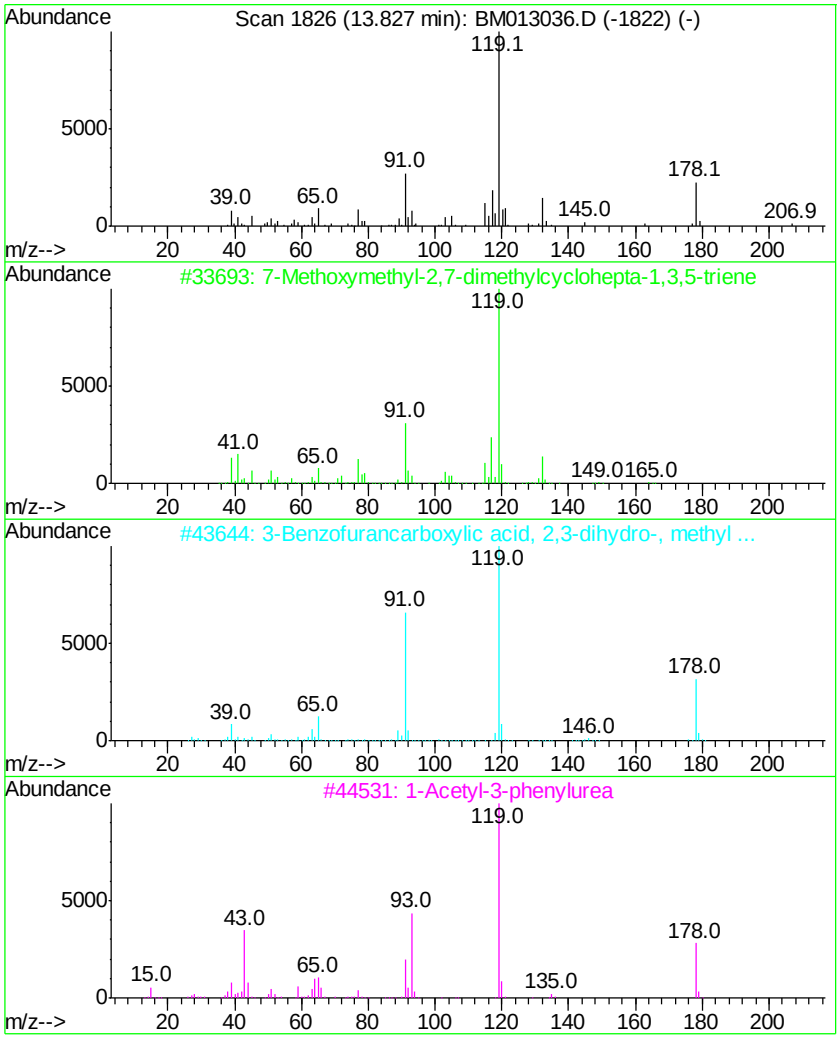
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

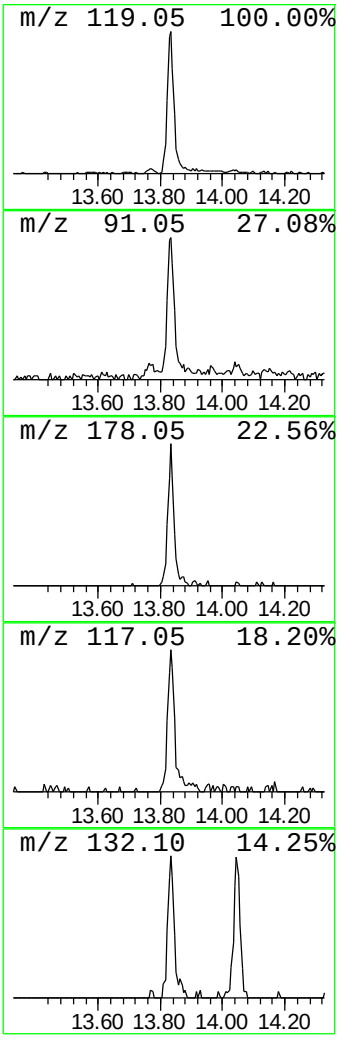
****

Peak Number 11 7-Methoxymethyl-2,7-dimethy... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	3.79 ng/ul	332081	Acenaphthene-d10	14.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Methoxymethyl-2,7-dimethylcycl...	164	C11H16O	073992-48-0	64
2	3-Benzofurancarboxylic acid, 2,3...	178	C10H10O3	039891-56-0	58
3	1-Acetyl-3-phenylurea	178	C9H10N2O2	000102-03-4	53
4	Carbamic acid, (1,3-dithian-2-yl...	207	C7H13NO2S2	139540-22-0	50
5	2-Hexanone, 5-methyl-5-phenyl-	190	C13H18O	014128-61-1	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111717\
Data File : BM013036.D
Acq On : 18 Nov 2017 12:47
Operator : SJ/JU
Sample : I6405-19 5X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE2W0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.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
Benzene, 1,3-dime...	5.39	16.2	ng/ul	807025	1	7.72	998817	20.0
Benzene, 1,2,3-tr...	7.37	2.4	ng/ul	118442	1	7.72	998817	20.0
Benzeneethanol, ...	8.09	5.9	ng/ul	295748	1	7.72	998817	20.0
Cyclohexanol, 4-(...	10.89	2.0	ng/ul	135391	2	10.50	1324070	20.0
Cyclohexanone, 4-...	11.10	3.7	ng/ul	243213	2	10.50	1324070	20.0
Phenol, p-tert-bu...	11.85	2.7	ng/ul	181489	2	10.50	1324070	20.0
Naphthalene, 1-me...	12.38	2.4	ng/ul	159721	2	10.50	1324070	20.0
7-Methoxymethyl-2...	13.83	3.8	ng/ul	332081	3	14.36	1753030	20.0