LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122115\
Data File : BM003682.D
Acq On : 21 Dec 2015 17:46
Operator : UM/SJ
Sample : G4792-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9N23

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\SOM02.2-EPA-BM121915.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	3.146	6	10	16	rVB	10828	12333	0.71%	0.035%
2	3.493	65	69	72	rBB	2847	2752	0.16%	0.008%
3	3.887	133	136	138	rBV	2728	3112	0.18%	0.009%
4	4.151	178	181	185	rBB	2191	2436	0.14%	0.007%
5	4.804	288	292	298	rBB	15887	21281	1.23%	0.061%
6	5.010	322	327	333	rBB	33789	46640	2.69%	0.134%
7	5.881	472	475	479	rBB	3086	4517	0.26%	0.013%
8	6.569	589	592	595	rBB	2401	2564	0.15%	0.007%
9	6.681	608	611	615	rBB	4895	5918	0.34%	0.017%
10	6.863	633	642	654	rBB	185558	313423	18.06%	0.901%
11	7.028	664	670	677	rBB	152840	231644	13.35%	0.666%
12	7.222	697	703	706	rBV	213929	351504	20.25%	1.011%
13	7.257	706	709	717	rVB	260542	367384	21.17%	1.056%
14	7.692	775	783	789	rBB	151681	249482	14.37%	0.717%
15	7.816	800	804	807	rBB	2322	2751	0.16%	0.008%
16	7.916	817	821	827	rBB	11475	17122	0.99%	0.049%
17	8.222	865	873	879	rVV2	196955	473388	27.27%	1.361%
18	8.275	879	882	886	rVB2	20735	28141	1.62%	0.081%
19	8.357	892	896	899	rBV	6574	9732	0.56%	0.028%
20	8.404	899	904	912	rVB	250974	382926	22.06%	1.101%
21	8.510	916	922	928	rBV	311564	495299	28.54%	1.424%
22	8.563	928	931	935	rVV	3655	5308	0.31%	0.015%
23	8.763	959	965	971	rBB	122696	191648	11.04%	0.551%
24	8.851	973	980	983	rBV	180312	293257	16.90%	0.843%
25	8.892	983	987	995	rVB	334500	536075	30.89%	1.542%
26	9.157	1025	1032	1039	rBB	471104	711520	40.99%	2.046%
27	9.569	1096	1102	1105	rBV	158476	285058	16.42%	0.820%
28	9.604	1105	1108	1113	rVV	240412	351084	20.23%	1.010%
29	9.669	1113	1119	1124	rVB3	9859	19706	1.14%	0.057%
30	10.110	1187	1194	1197	rBV	254289	494332	28.48%	1.422%
31	10.386	1237	1241	1250	rBB	14579	23101	1.33%	0.066%
32	10.480	1251	1257	1262	rBV	213645	359345	20.70%	1.033%
33	10.533	1262	1266	1273	rVB	187127	287793	16.58%	0.828%
34	10.627	1277	1282	1290	rBB	11352	19302	1.11%	0.056%

LSC Area Percent Report

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Misc :
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Instrument : BNA_M
ClientSampleId : D9N23

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\SOM02.2-EPA-BM121915.M
Title : SVOA CALIBRATION

35	11.186	1372	1377	1383	rBB	14774	21385	1.23%	0.061%
36	11.786	1472	1479	1489	rBB	385254	620173	35.73%	1.783%
37	12.022	1512	1519	1527	rBV	398782	649732	37.43%	1.868%
38	12.327	1567	1571	1572	rBV	2007	2441	0.14%	0.007%
39	12.374	1572	1579	1587	rVB	595615	948147	54.63%	2.727%
40	12.527	1599	1605	1611	rBB	204305	307661	17.73%	0.885%
41	12.774	1641	1647	1652	rBV	291921	427138	24.61%	1.228%
42	12.821	1652	1655	1659	rVB	5417	7471	0.43%	0.021%
43	13.174	1709	1715	1722	rBB	603317	901830	51.96%	2.593%
44	13.433	1753	1759	1765	rBB	178545	257059	14.81%	0.739%
45	13.539	1772	1777	1782	rBB2	23960	30614	1.76%	0.088%
46	13.763	1809	1815	1821	rBV	421324	567952	32.72%	1.633%
47	13.845	1823	1829	1838	rVV	378691	547041	31.52%	1.573%
48	13.933	1838	1844	1849	rVB	323263	444901	25.63%	1.279%
49	14.045	1856	1863	1865	rBV	462963	778669	44.86%	2.239%
50	14.074	1865	1868	1874	rVB	725175	973400	56.08%	2.799%
51	14.351	1908	1915	1921	rBV2	299719	439564	25.33%	1.264%
52	14.415	1921	1926	1931	rVB	72473	103081	5.94%	0.296%
53	14.580	1946	1954	1966	rBB3	416912	793393	45.71%	2.282%
54	14.727	1973	1979	1981	rBV	402166	628043	36.19%	1.806%
55	14.751	1981	1983	1989	rVB	305442	348655	20.09%	1.003%
56	14.998	2019	2025	2030	rBB	69888	91881	5.29%	0.264%
57	15.180	2050	2056	2062	rBB	694575	886394	51.07%	2.549%
58	15.345	2078	2084	2089	rBV	592534	827271	47.66%	2.379%
59	15.398	2089	2093	2099	rVB	147965	198521	11.44%	0.571%
60	15.474	2101	2106	2114	rBB2	185640	252093	14.52%	0.725%
61	15.615	2119	2130	2136	rBB	804929	1141477	65.77%	3.282%
62	15.851	2166	2170	2177	rBB	11712	15379	0.89%	0.044%
63	15.986	2189	2193	2196	rBB	2269	2758	0.16%	0.008%
64	16.215	2229	2232	2235	rBB	2320	2540	0.15%	0.007%
65	16.286	2236	2244	2247	rBB2	5592	8623	0.50%	0.025%
66	16.339	2248	2253	2254	rBV	3900	4397	0.25%	0.013%
67	16.368	2254	2258	2261	rVV	134516	175971	10.14%	0.506%
68	16.409	2261	2265	2270	rVB	487438	674256	38.85%	1.939%
69	16.756	2319	2324	2335	rBB	348201	475943	27.42%	1.369%
70	17.098	2376	2382	2386	rBV	350687	515002	29.67%	1.481%
71	17.145	2386	2390	2394	rVV	609542	854559	49.24%	2.457%

LSC Area Percent Report

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Operator : UM/SJ
Sample : G4792-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9N23

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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Title : SVOA CALIBRATION

72	17.198	2394	2399	2406	rVV2	630697	874338	50.38%	2.514%
73	17.568	2458	2462	2465	rBB	21805	24725	1.42%	0.071%
74	17.715	2485	2487	2490	rBB	4755	4727	0.27%	0.014%
75	18.068	2542	2547	2552	rBV	719035	876099	50.48%	2.519%
76	19.133	2723	2728	2733	rBV	5004	6380	0.37%	0.018%
77	19.380	2765	2770	2775	rBV2	16097	22466	1.29%	0.065%
78	19.503	2785	2791	2794	rBV	723756	1031029	59.40%	2.965%
79	19.533	2794	2796	2802	rVB	381026	413731	23.84%	1.190%
80	19.745	2827	2832	2842	rBV	108335	133569	7.70%	0.384%
81	19.897	2855	2858	2862	rBV	4626	4209	0.24%	0.012%
82	20.544	2962	2968	2972	rBV	33968	36511	2.10%	0.105%
83	20.656	2984	2987	2989	rVB	2407	2080	0.12%	0.006%
84	21.227	3081	3084	3089	rVV3	4172	4991	0.29%	0.014%
85	21.291	3089	3095	3103	rBV2	1007973	1735642	100.00%	4.991%
86	21.568	3139	3142	3148	rBV	39933	48161	2.77%	0.138%
87	21.727	3164	3169	3174	rBV	1005151	1193955	68.79%	3.433%
88	21.762	3174	3175	3182	rVV3	5101	6544	0.38%	0.019%
89	21.856	3186	3191	3202	rVV	106451	142766	8.23%	0.411%
90	22.103	3227	3233	3238	rBV	558526	700238	40.34%	2.014%
91	22.350	3272	3275	3280	rBV3	5118	6015	0.35%	0.017%
92	22.815	3351	3354	3358	rVB2	5759	7423	0.43%	0.021%
93	22.880	3358	3365	3375	rBV	588871	954349	54.99%	2.744%
94	23.415	3448	3456	3460	rBV	485494	966675	55.70%	2.780%
95	23.456	3460	3463	3471	rVB	316817	511869	29.49%	1.472%
96	23.556	3473	3480	3491	rVB	277606	509322	29.34%	1.465%
97	24.068	3562	3567	3573	rVB3	13220	21939	1.26%	0.063%
98	24.815	3689	3694	3699	rBV2	8337	15882	0.92%	0.046%
99	25.832	3856	3867	3882	rVB	488556	1321639	76.15%	3.801%
100	26.515	3972	3983	3999	rVB	219851	670238	38.62%	1.927%

Sum of corrected areas: 34774805

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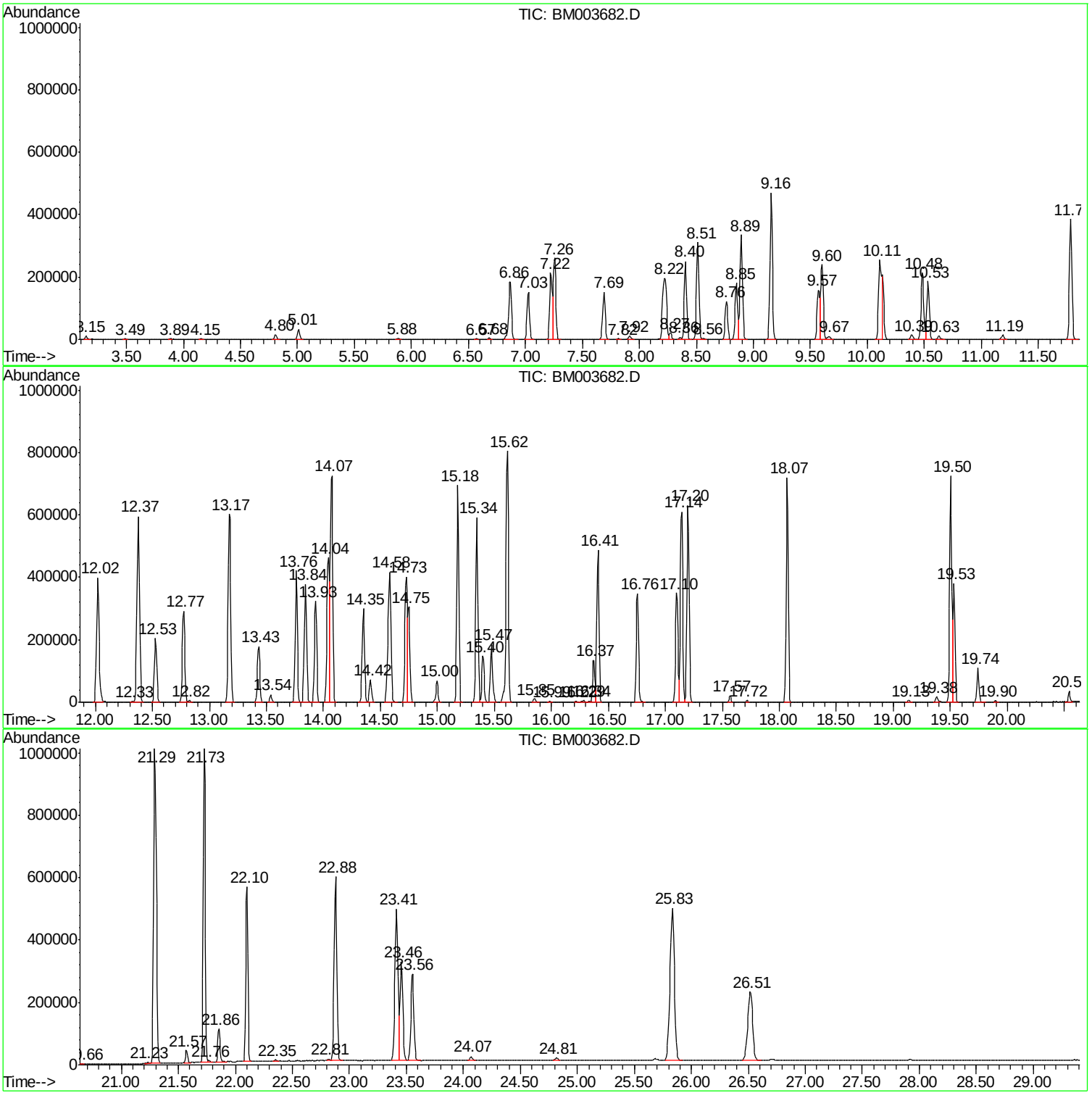
Sample : G4792-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9N23

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

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



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ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9N23

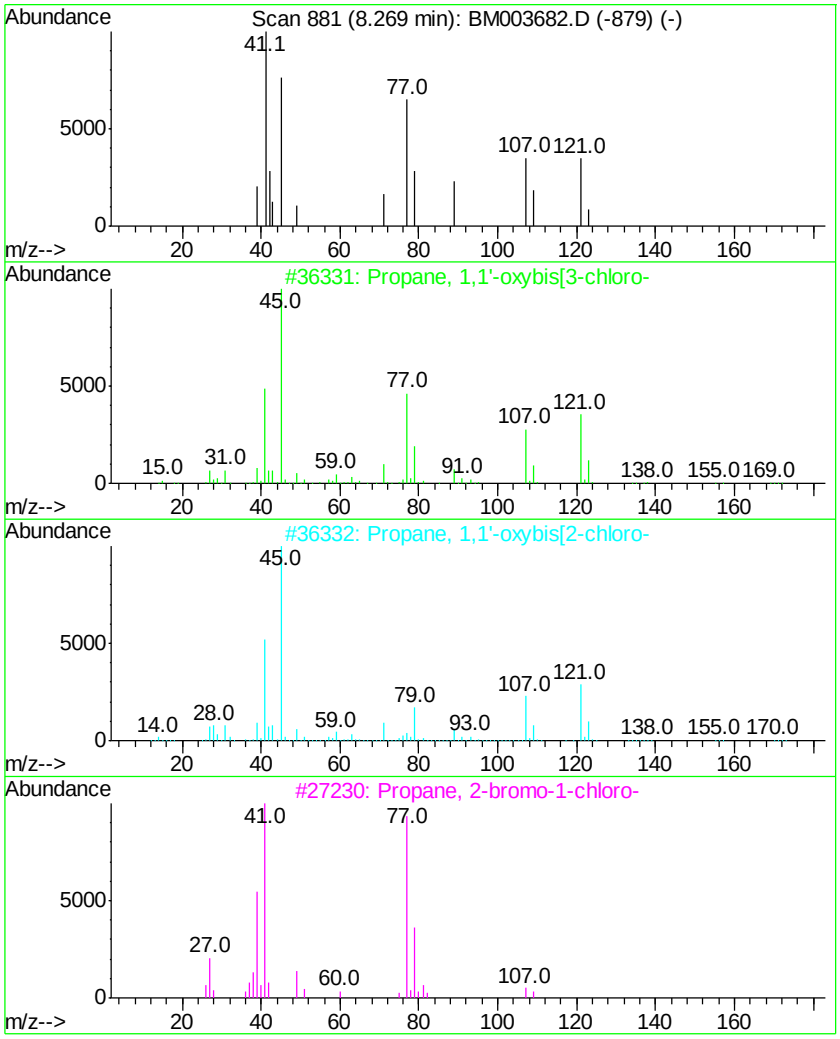
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

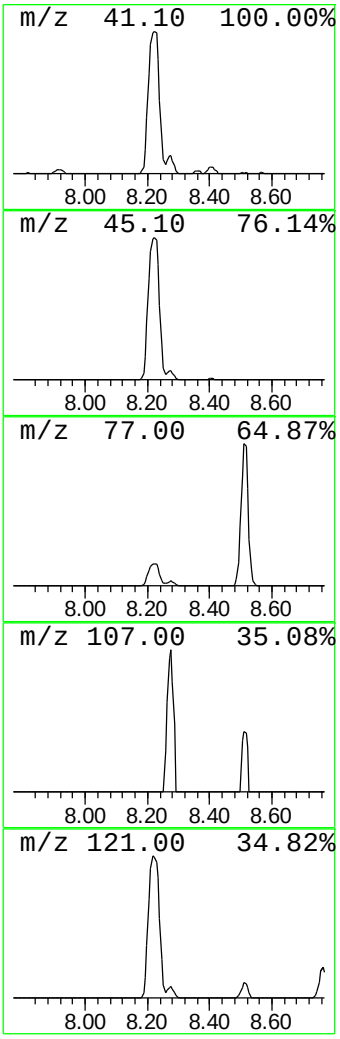
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Propane, 1,1'-oxybis[3-chloro- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.27	2.26 ng/ul	28141	1,4-Dichlorobenzene-d4	7.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1'-oxybis[3-chloro-	170	C6H12Cl2O	000629-36-7	78
2	Propane, 1,1'-oxybis[2-chloro-	170	C6H12Cl2O	054460-96-7	12
3	Propane, 2-bromo-1-chloro-	156	C3H6BrCl	003017-95-6	9
4	Acetic acid, chloro-, 1-methylhe...	206	C10H19ClO2	020411-47-6	9
5	Benzene, nitroso-	107	C6H5NO	000586-96-9	5





Data Path : Z:\HPCHEM1\BNA M\DATA\BM122115\
Data File : BM003682.D
Acq On : 21 Dec 2015 17:46
Operator : UM/SJ
Sample : G4792-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9N23

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

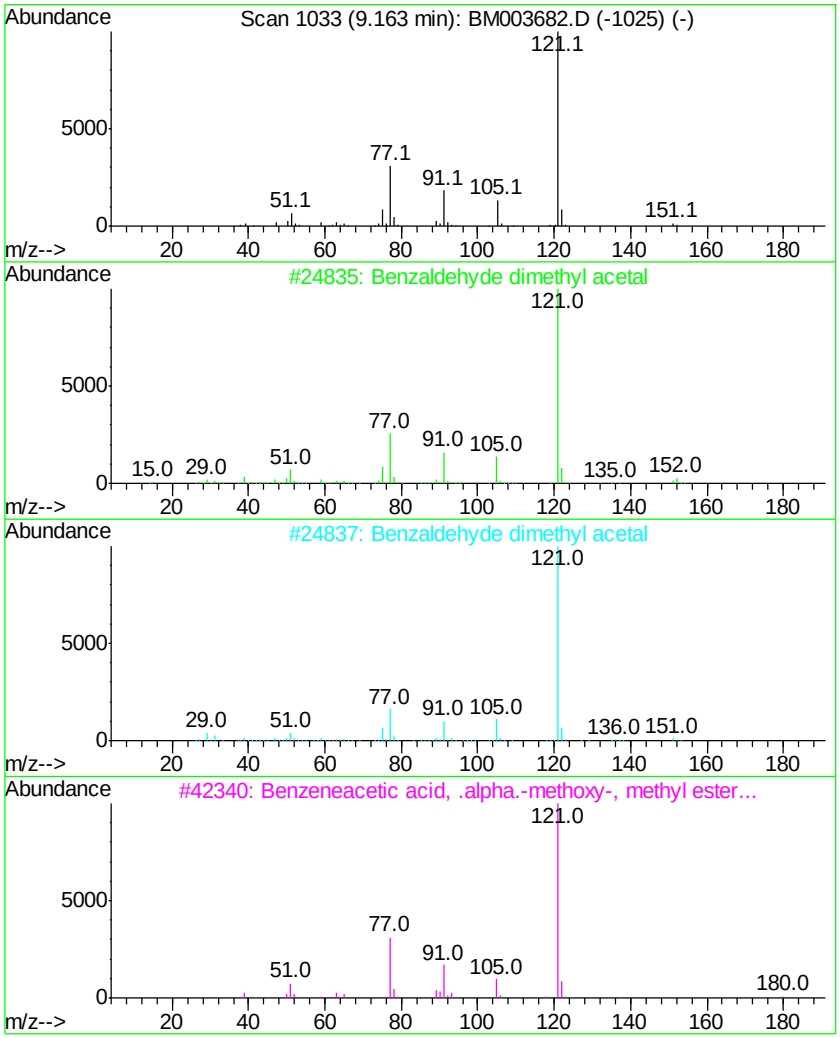
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

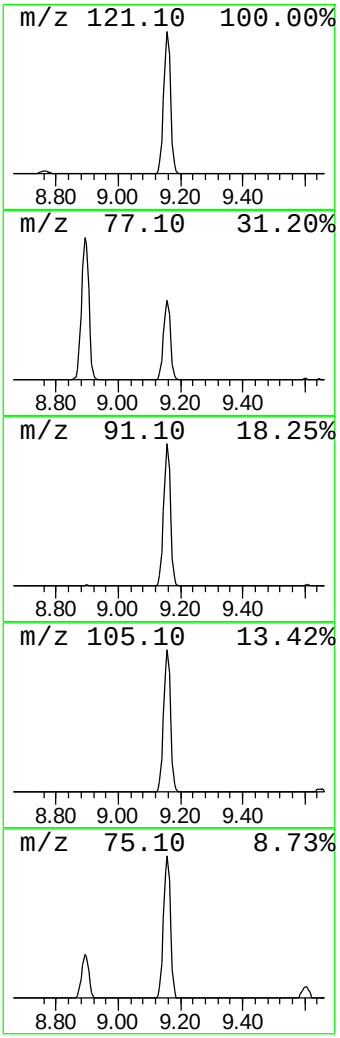
****

Peak Number 3 Benzaldehyde dimethyl acetal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.16	39.60 ng/ul	711520	Naphthalene-d8	10.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde dimethyl acetal	152	C9H12O2	001125-88-8	90
2	Benzaldehyde dimethyl acetal	152	C9H12O2	001125-88-8	87
3	Benzeneacetic acid, .alpha.-meth...	180	C10H12O3	056143-21-6	83
4	Benzeneacetic acid, .alpha.-meth...	180	C10H12O3	056143-21-6	78
5	R(-)-2-Methoxy-2-phenylacetic acid	166	C9H10O3	1000132-09-7	78





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122115\
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Instrument : BNA_M
ClientSampleId : D9N23

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

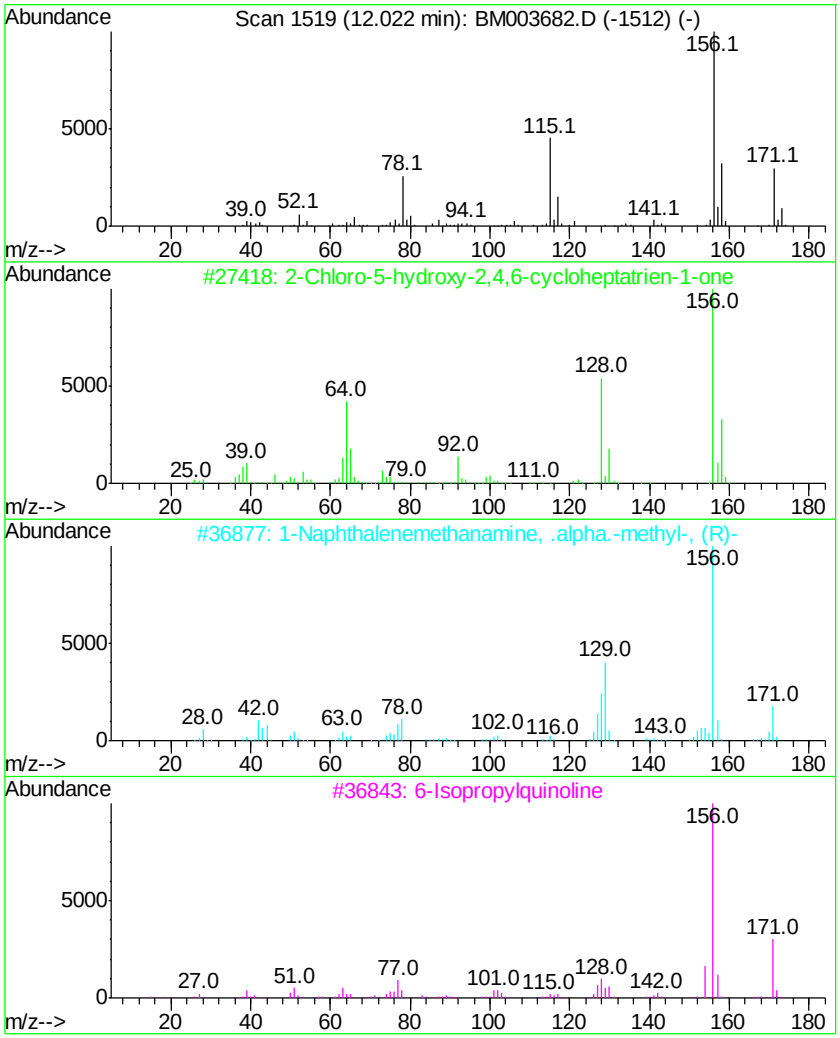
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

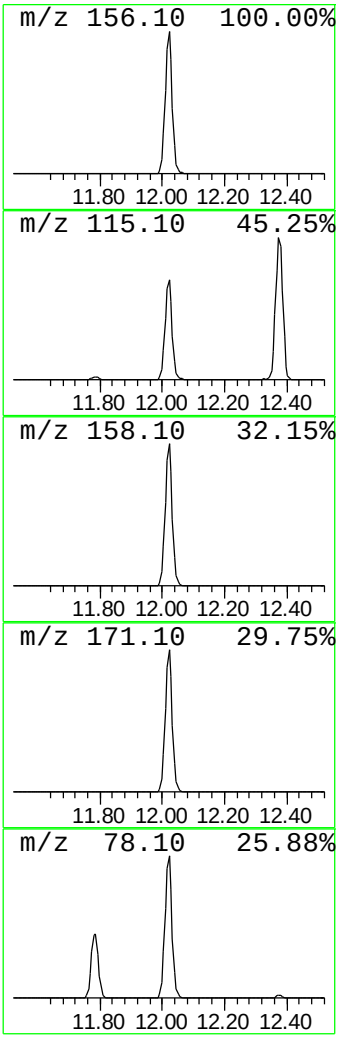
****

Peak Number 4 unknown-01 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	36.16 ng/ul	649732	Naphthalene-d8	10.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Chloro-5-hydroxy-2,4,6-cyclohe...	156	C7H5ClO2	007009-16-7	43
2	1-Naphthalenemethanamine, .alpha...	171	C12H13N	003886-70-2	37
3	6-Isopropylquinoline	171	C12H13N	000135-79-5	32
4	Benzene, 2,5-cyclohexadien-1-yl-	156	C12H12	004794-05-2	28
5	1,3-Diaza-5,6-dedihydrocyclohexa...	171	C6H9N3OS	021263-85-4	23





Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : D9N23

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

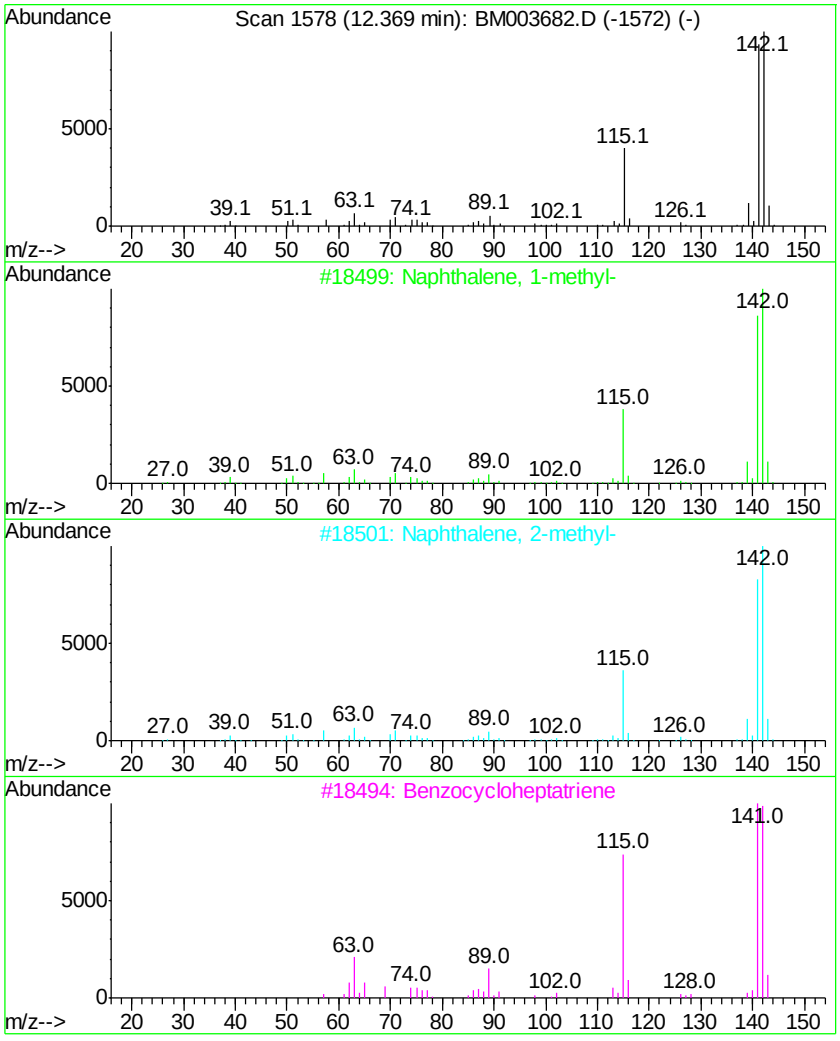
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

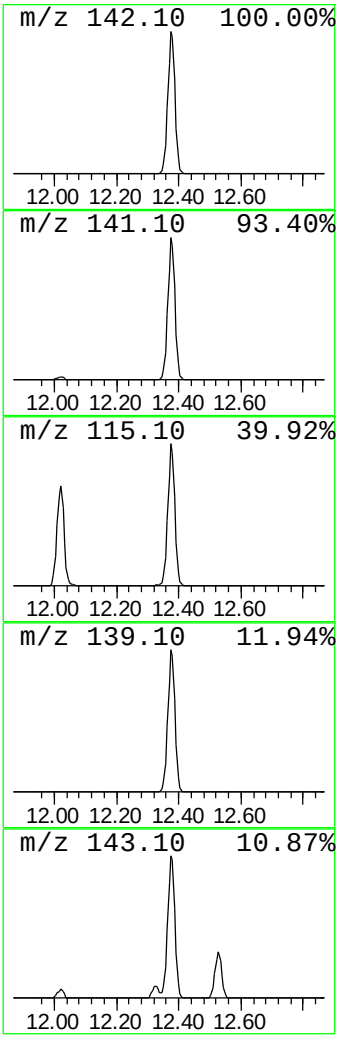
****

Peak Number 5 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	52.77 ng/ul	948147	Naphthalene-d8	10.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





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Operator : UM/SJ
Sample : G4792-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9N23

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

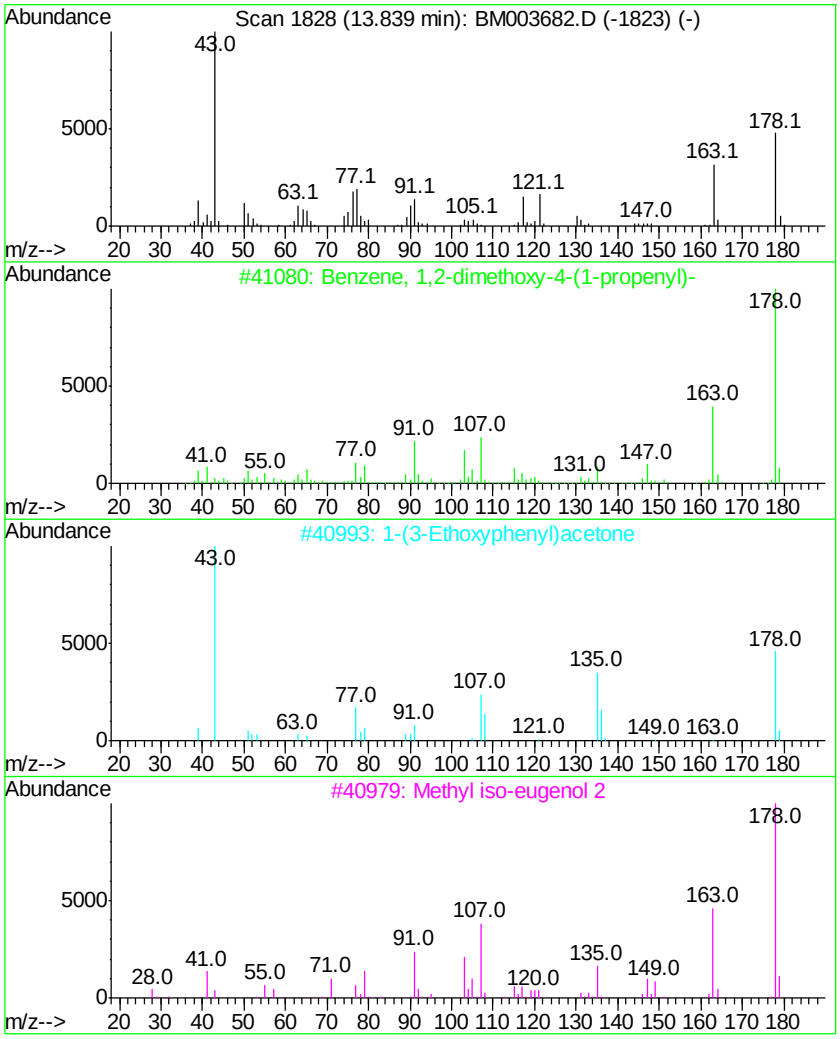
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

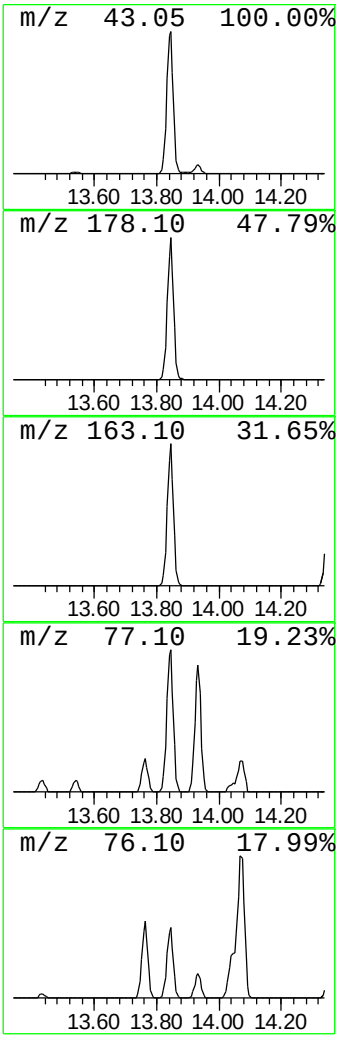
****

Peak Number 6 unknown-02 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	24.89 ng/ul	547041	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-dimethoxy-4-(1-prop...	178	C11H14O2	000093-16-3	43
2	1-(3-Ethoxyphenyl)acetone	178	C11H14O2	023037-47-0	43
3	Methyl iso-eugenol 2	178	C11H14O2	1000285-38-8	43
4	Benzene, 1,2-dimethoxy-4-(2-prop...	178	C11H14O2	000093-15-2	38
5	Aminoformic acid, N-n-decyl-, 2,...	389	C25H43NO2	1000126-84-1	32





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122115\
Data File : BM003682.D
Acq On : 21 Dec 2015 17:46
Operator : UM/SJ
Sample : G4792-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9N23

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

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

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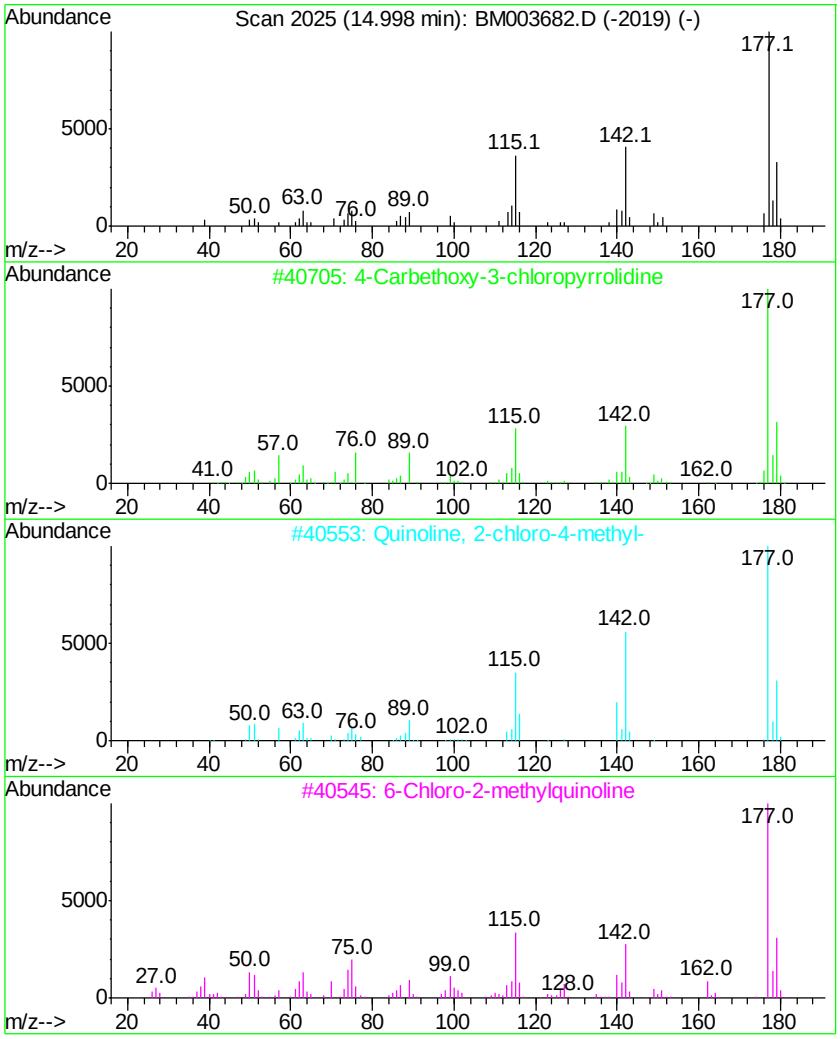
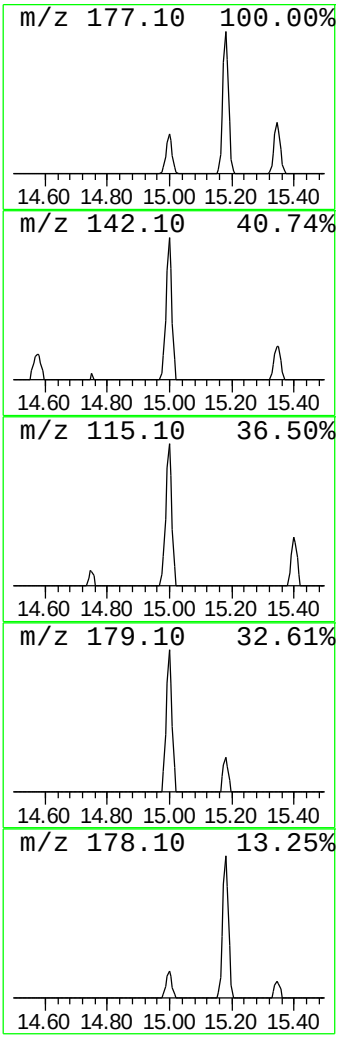
Peak Number 8 4-Carbethoxy-3-chloropyrrol... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.00	4.18 ng/ul	91881	Acenaphthene-d10	14.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Carbethoxy-3-chloropyrrolidine	177	C7H12ClNO2	1000255-97-9	96
2	Quinoline, 2-chloro-4-methyl-	177	C10H8ClN	000634-47-9	91
3	6-Chloro-2-methylquinoline	177	C10H8ClN	000092-46-6	91
4	Quinoline, 2-chloro-4-methyl-	177	C10H8ClN	000634-47-9	90
5	Quinoline, 7-chloro-4-methyl-	177	C10H8ClN	040941-53-5	87





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Data File : BM003682.D
Acq On : 21 Dec 2015 17:46
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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9N23

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION

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

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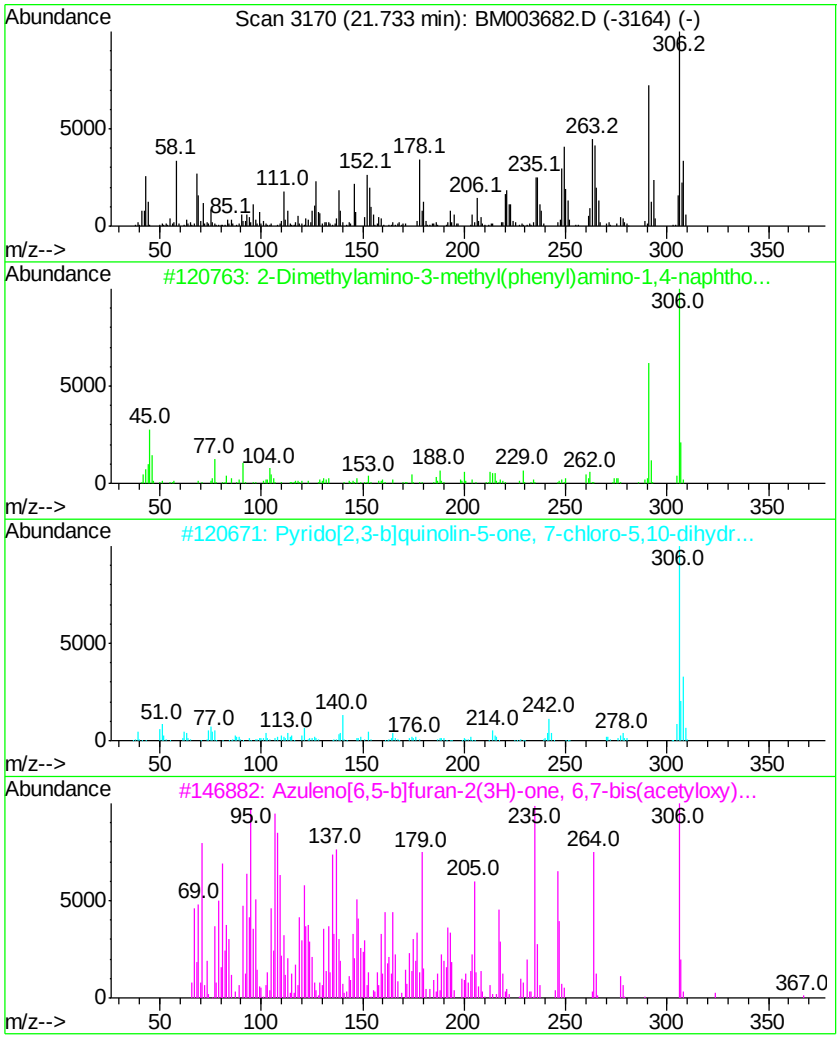
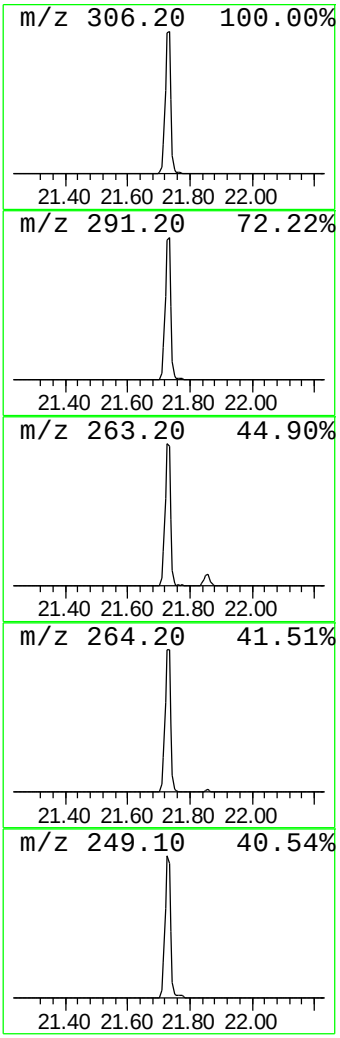
Peak Number 9 unknown-03 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.73	13.76 ng/ul	1193960	Chrysene-d12	21.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Dimethylamino-3-methyl(phenyl)...	306	C19H18N2O2	134614-10-1	38
2	Pyrido[2,3-b]quinolin-5-one, 7-c...	306	C18H11ClN2O	069750-07-8	38
3	Azuleno[6,5-b]furan-2(3H)-one, 6...	366	C19H26O7	051292-55-8	27
4	Phenothiaphosphine, 2,8,10-trime...	306	C15H15O3PS	024059-97-0	27
5	Androstan-6-one, 3,17-dihydroxy-...	306	C19H30O3	049644-08-8	22





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122115\
Data File : BM003682.D
Acq On : 21 Dec 2015 17:46
Operator : UM/SJ
Sample : G4792-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9N23

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.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
Propane, 1,1'-oxy...	8.27	2.3	ng/ul	28141	1	7.69	249482	20.0
Benzaldehyde dime...	9.16	39.6	ng/ul	711520	2	10.48	359345	20.0
unknown-01	12.02	36.2	ng/ul	649732	2	10.48	359345	20.0
Naphthalene, 1-me...	12.37	52.8	ng/ul	948147	2	10.48	359345	20.0
unknown-02	13.84	24.9	ng/ul	547041	3	14.35	439564	20.0
4-Carbethoxy-3-ch...	15.00	4.2	ng/ul	91881	3	14.35	439564	20.0
unknown-03	21.73	13.8	ng/ul	1193960	5	21.31	1735640	20.0