LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072616\
Data File : BM006653.D
Acq On : 26 Jul 2016 16:11
Operator : UM/SJ
Sample : H4068-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : X2547

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\SOM02.2-EPA-BM072616.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	2.669	9	14	41	rVB	26257008	47872686	100.00%	21.227%
2	6.822	705	720	733	rBV2	1398818	3469171	7.25%	1.538%
3	6.952	735	742	754	rVB2	610442	964240	2.01%	0.428%
4	7.146	768	775	777	rBV	774792	1215738	2.54%	0.539%
5	7.181	777	781	788	rVB	1312550	2163147	4.52%	0.959%
6	7.499	829	835	845	rBV	1148184	1790071	3.74%	0.794%
7	7.610	845	854	856	rVV2	516863	951890	1.99%	0.422%
8	7.646	856	860	870	rVB	1497229	2338589	4.89%	1.037%
9	7.957	904	913	920	rBV	1492558	2397069	5.01%	1.063%
10	8.134	937	943	949	rBV	489902	1145332	2.39%	0.508%
11	8.328	970	976	992	rVB	813356	1438629	3.01%	0.638%
12	8.675	1021	1035	1044	rBV	1187185	2020087	4.22%	0.896%
13	8.763	1044	1050	1059	rBV	645963	1121410	2.34%	0.497%
14	9.481	1165	1172	1183	rBV	557699	970294	2.03%	0.430%
15	10.045	1257	1268	1290	rBV2	1535093	4081140	8.52%	1.810%
16	10.257	1297	1304	1318	rBV	1482064	2548745	5.32%	1.130%
17	10.392	1318	1327	1330	rVV	706035	1207431	2.52%	0.535%
18	10.440	1330	1335	1345	rVV	2047688	3562116	7.44%	1.579%
19	10.534	1345	1351	1368	rVB	619663	1144637	2.39%	0.508%
20	10.722	1375	1383	1390	rBV	1418980	2310554	4.83%	1.024%
21	11.463	1501	1509	1518	rBV	1200764	2308200	4.82%	1.023%
22	11.922	1581	1587	1596	rBV	340342	626385	1.31%	0.278%
23	12.439	1668	1675	1688	rBV	2474133	4152857	8.67%	1.841%
24	12.686	1706	1717	1735	rBV2	868194	2577264	5.38%	1.143%
25	13.680	1878	1886	1903	rBV	1468097	2136730	4.46%	0.947%
26	13.857	1908	1916	1926	rBV	1876143	2834615	5.92%	1.257%
27	13.957	1926	1933	1946	rVB	1619413	2510396	5.24%	1.113%
28	14.269	1979	1986	1991	rBV2	979521	1579360	3.30%	0.700%
29	14.333	1991	1997	2008	rVB	3225316	5061982	10.57%	2.244%
30	14.504	2020	2026	2044	rVV	681906	1172621	2.45%	0.520%
31	14.651	2044	2051	2063	rVB	1708970	2577912	5.38%	1.143%
32	15.098	2118	2127	2143	rBV	3197366	4365100	9.12%	1.935%
33	15.263	2149	2155	2160	rBV	1978386	3063671	6.40%	1.358%
34	15.322	2160	2165	2174	rVB	3438443	5173981	10.81%	2.294%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072616\
Data File : BM006653.D
Acq On : 26 Jul 2016 16:11
Operator : UM/SJ
Sample : H4068-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : X2547

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\SOM02.2-EPA-BM072616.M
Title : SVOA CALIBRATION

35	15.404	2174	2179	2193	rBV	720915	1076012	2.25%	0.477%
36	16.327	2330	2336	2347	rBV	2730740	4107173	8.58%	1.821%
37	16.680	2390	2396	2415	rBV	1705993	2721912	5.69%	1.207%
38	17.021	2447	2454	2463	rBV	1314209	1925510	4.02%	0.854%
39	17.121	2464	2471	2473	rVV	2291777	3479047	7.27%	1.543%
40	17.151	2473	2476	2486	rVB	3597935	5382192	11.24%	2.386%
41	19.421	2856	2862	2864	rBV	2691079	3758548	7.85%	1.667%
42	19.451	2864	2867	2878	rVB	5090575	7389719	15.44%	3.277%
43	20.357	3016	3021	3031	rBV	4821449	6192788	12.94%	2.746%
44	20.515	3042	3048	3055	rBV	5230619	6551868	13.69%	2.905%
45	21.004	3126	3131	3138	rBV	424009	558368	1.17%	0.248%
46	21.139	3148	3154	3160	rBV	6058132	7207841	15.06%	3.196%
47	21.209	3160	3166	3171	rVV2	4635833	8008871	16.73%	3.551%
48	21.262	3171	3175	3180	rVB	4644988	5846397	12.21%	2.592%
49	22.768	3424	3431	3435	rBV	3472592	6137168	12.82%	2.721%
50	22.815	3435	3439	3446	rVB	2949516	4639134	9.69%	2.057%
51	23.292	3512	3520	3523	rBV	2019200	4084639	8.53%	1.811%
52	23.339	3523	3528	3535	rVV	2904507	5478023	11.44%	2.429%
53	23.427	3537	3543	3552	rVB2	1271821	2364598	4.94%	1.048%
54	25.656	3909	3922	3934	rVB2	4558579	13767036	28.76%	6.104%

Sum of corrected areas: 225530894

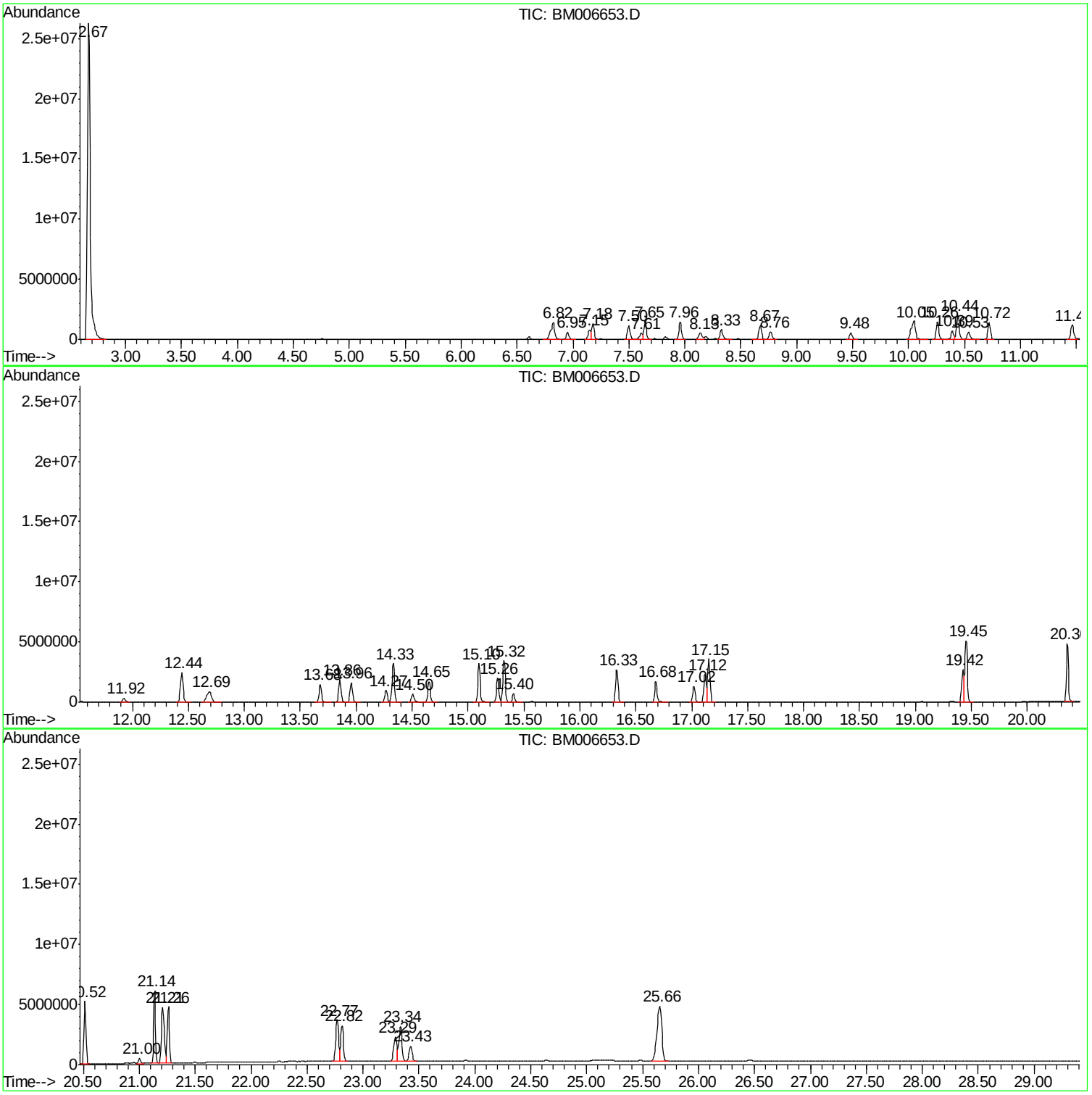
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072616\
Data File : BM006653.D
Acq On : 26 Jul 2016 16:11
Operator : UM/SJ
Sample : H4068-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : X2547

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072616.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\BM072616\
Data File : BM006653.D
Acq On : 26 Jul 2016 16:11
Operator : UM/SJ
Sample : H4068-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : X2547

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072616.M
Quant Title : SVOA CALIBRATION

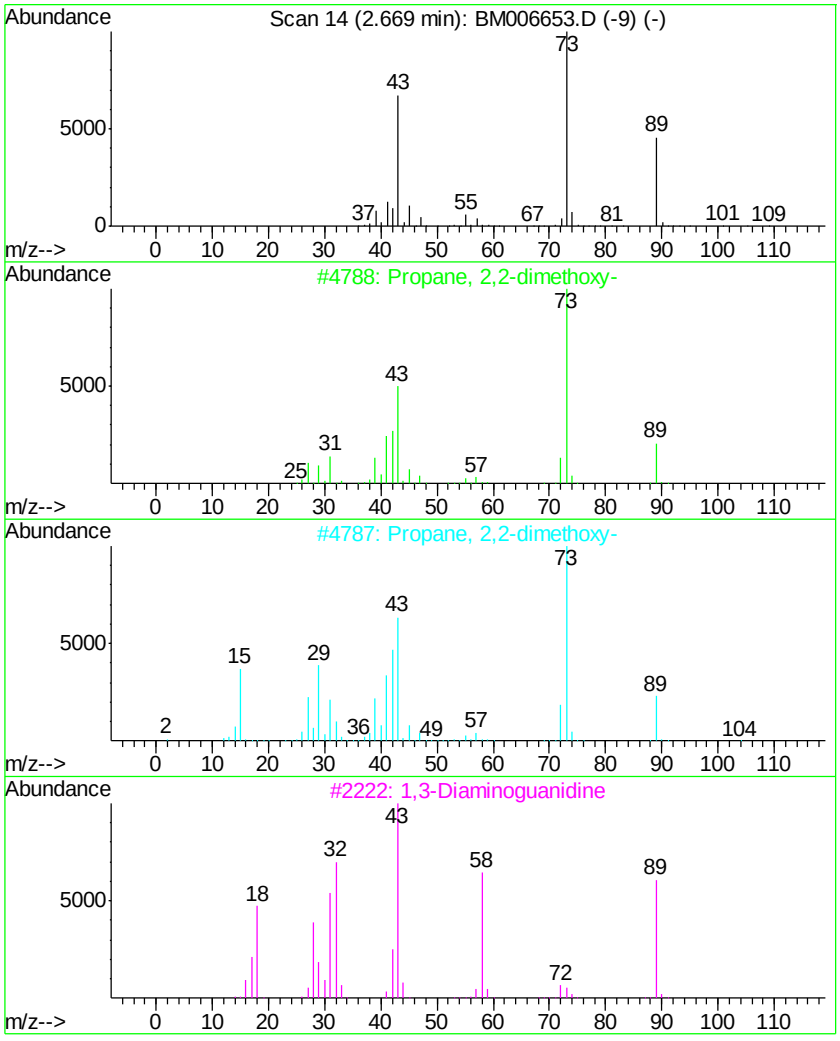
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

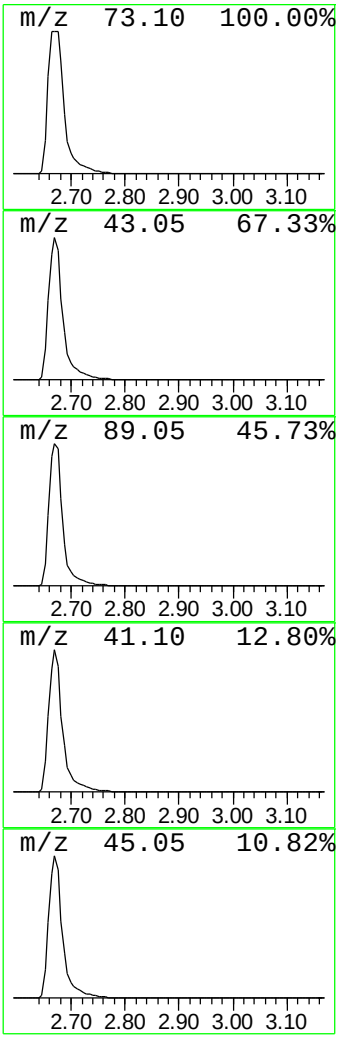
****

Peak Number 1 unknown-01 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.67	1005.84 ng/ul	47872700	1,4-Dichlorobenzene-d4	7.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	40
2	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	25
3	1,3-Diaminoguanidine	89	CH7N5	004364-78-7	23
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	Acetamide, N-methyl-	73	C3H7NO	000079-16-3	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072616\
Data File : BM006653.D
Acq On : 26 Jul 2016 16:11
Operator : UM/SJ
Sample : H4068-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : X2547

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072616.M
Quant Title : SVOA CALIBRATION

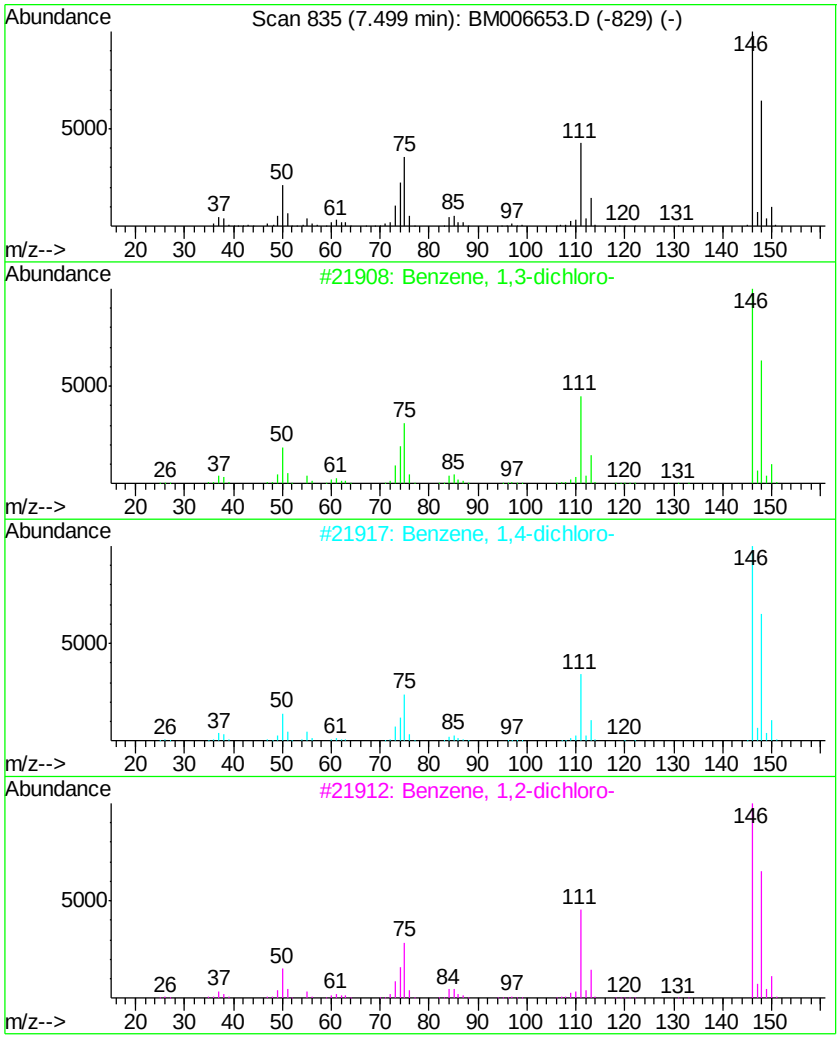
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

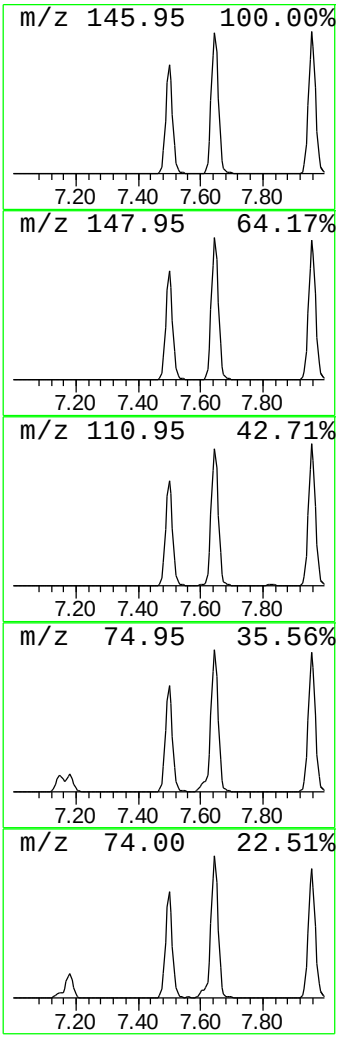
****

Peak Number 2 Benzene, 1,3-dichloro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.50	37.61 ng/ul	1790070	1,4-Dichlorobenzene-d4	7.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dichloro-	146	C6H4Cl2	000541-73-1	98
2	Benzene, 1,4-dichloro-	146	C6H4Cl2	000106-46-7	97
3	Benzene, 1,2-dichloro-	146	C6H4Cl2	000095-50-1	96
4	Benzene, 1,4-dichloro-	146	C6H4Cl2	000106-46-7	96
5	Benzene, 1,4-dichloro-	146	C6H4Cl2	000106-46-7	96





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072616\
Data File : BM006653.D
Acq On : 26 Jul 2016 16:11
Operator : UM/SJ
Sample : H4068-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : X2547

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072616.M
Quant Title : SVOA CALIBRATION

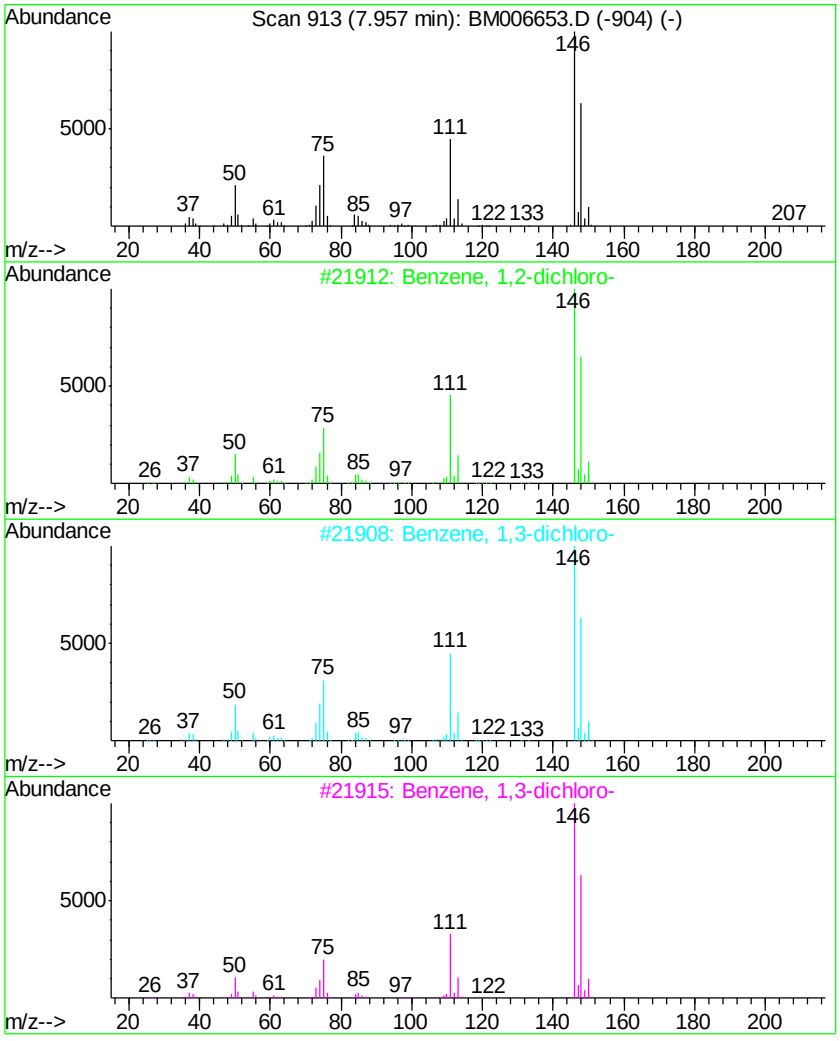
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

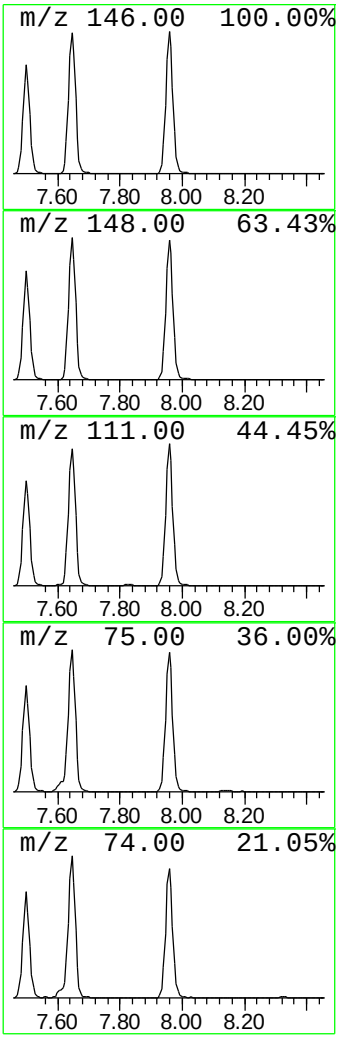
****

Peak Number 3 Benzene, 1,2-dichloro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.96	50.36 ng/ul	2397070	1,4-Dichlorobenzene-d4	7.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-dichloro-	146	C6H4Cl2	000095-50-1	98
2	Benzene, 1,3-dichloro-	146	C6H4Cl2	000541-73-1	98
3	Benzene, 1,3-dichloro-	146	C6H4Cl2	000541-73-1	97
4	Benzene, 1,2-dichloro-	146	C6H4Cl2	000095-50-1	96
5	Benzene, 1,4-dichloro-	146	C6H4Cl2	000106-46-7	96





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072616\
Data File : BM006653.D
Acq On : 26 Jul 2016 16:11
Operator : UM/SJ
Sample : H4068-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : X2547

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072616.M
Quant Title : SVOA CALIBRATION

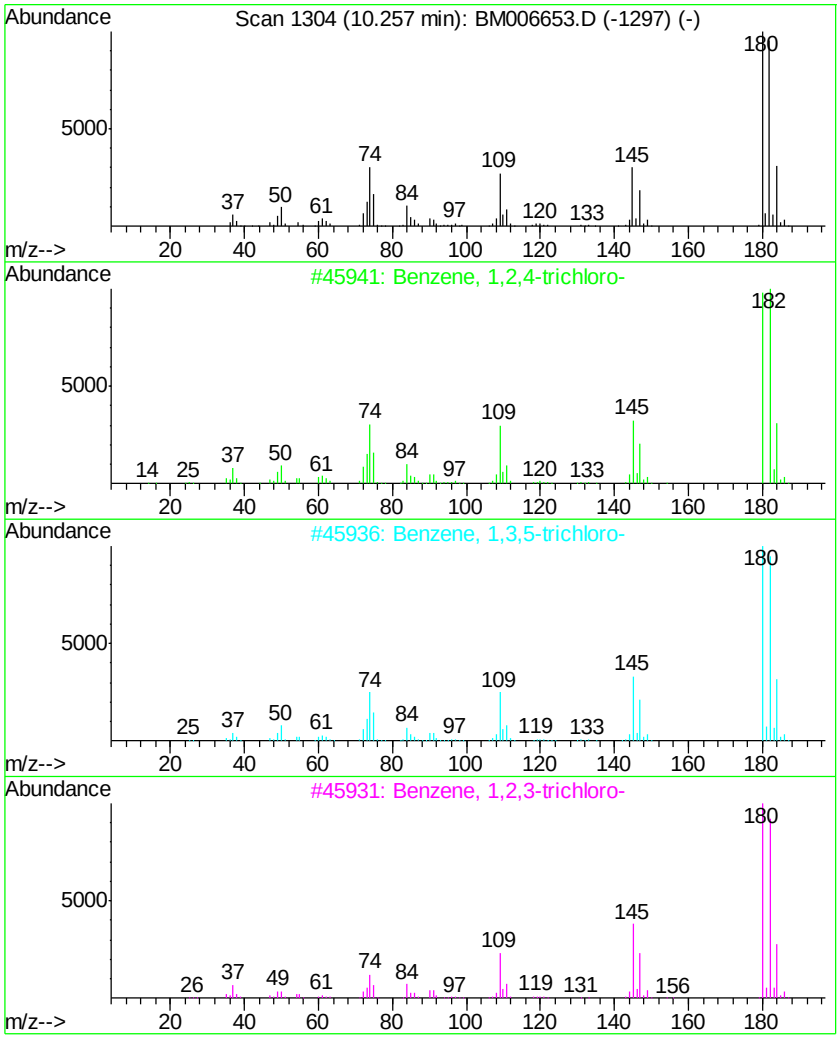
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

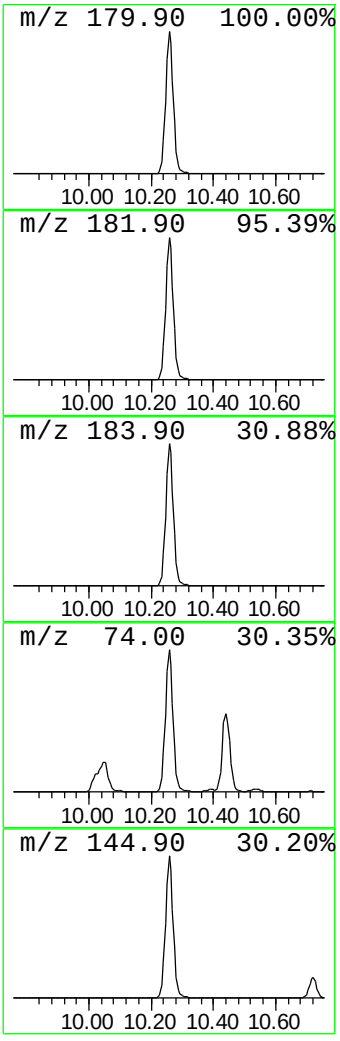
****

Peak Number 4 Benzene, 1,2,4-trichloro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.26	42.22 ng/ul	2548750	Naphthalene-d8	10.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trichloro-	180	C6H3Cl3	000120-82-1	98
2	Benzene, 1,3,5-trichloro-	180	C6H3Cl3	000108-70-3	98
3	Benzene, 1,2,3-trichloro-	180	C6H3Cl3	000087-61-6	98
4	Benzene, 1,2,3-trichloro-	180	C6H3Cl3	000087-61-6	98
5	Benzene, 1,2,3-trichloro-	180	C6H3Cl3	000087-61-6	97





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072616\
Data File : BM006653.D
Acq On : 26 Jul 2016 16:11
Operator : UM/SJ
Sample : H4068-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : X2547

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072616.M
Quant Title : SVOA CALIBRATION

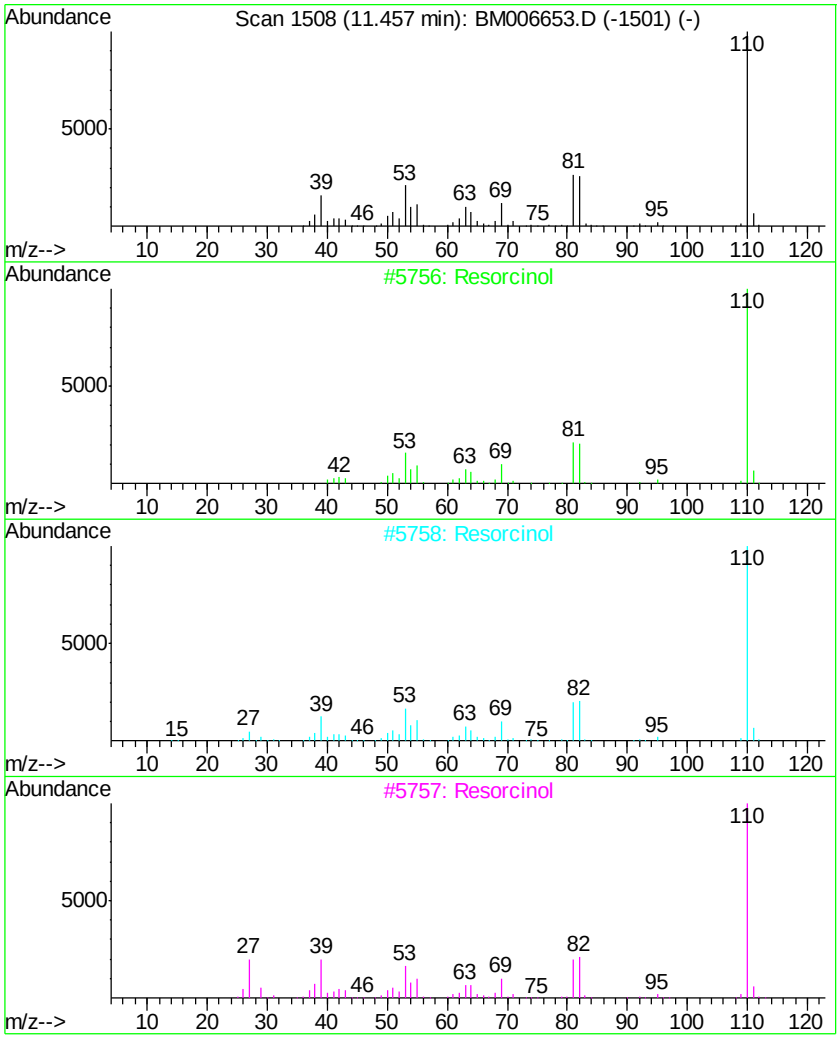
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

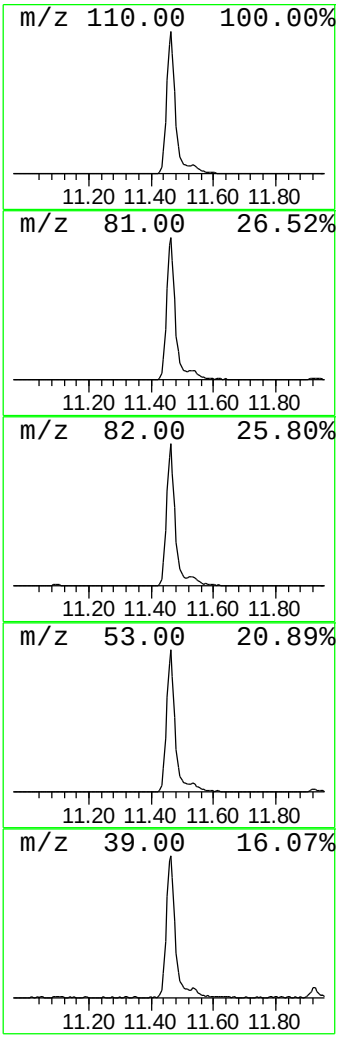
****

Peak Number 5 Resorcinol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.46	38.23 ng/ul	2308200	Naphthalene-d8	10.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Resorcinol	110	C6H6O2	000108-46-3	97
2	Resorcinol	110	C6H6O2	000108-46-3	97
3	Resorcinol	110	C6H6O2	000108-46-3	91
4	Resorcinol	110	C6H6O2	000108-46-3	90
5	Hydroquinone	110	C6H6O2	000123-31-9	72





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072616\
Data File : BM006653.D
Acq On : 26 Jul 2016 16:11
Operator : UM/SJ
Sample : H4068-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : X2547

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072616.M
Quant Title : SVOA CALIBRATION

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

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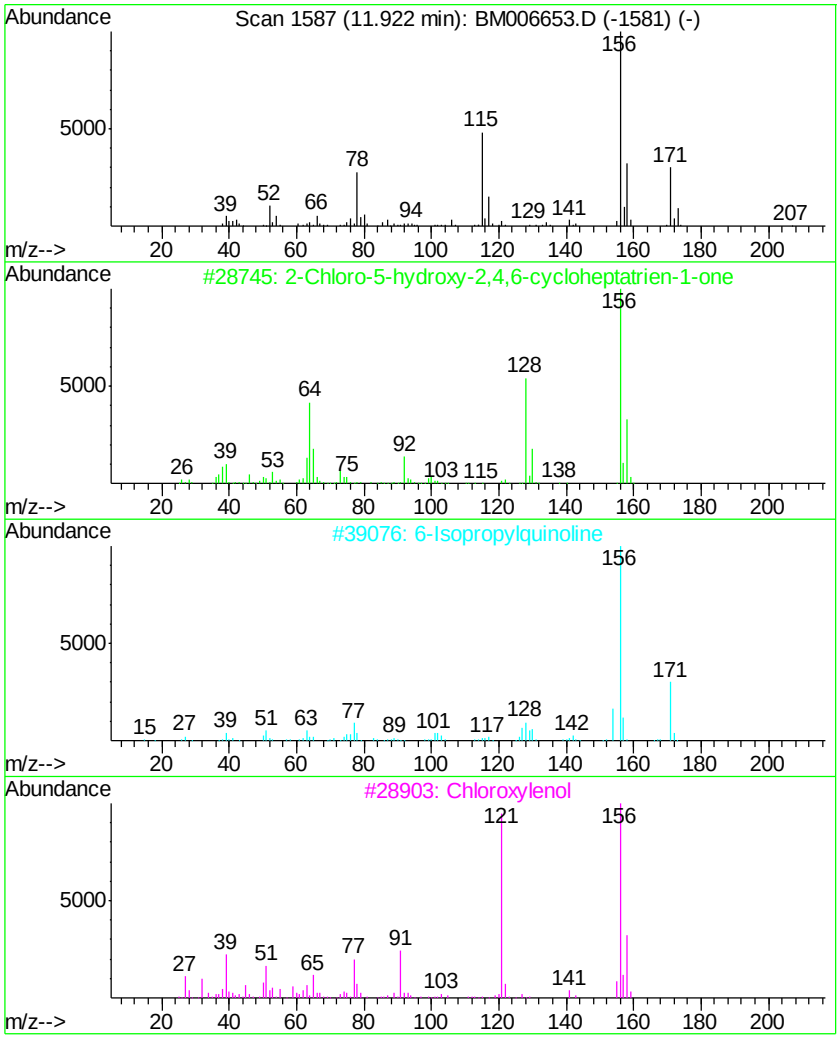
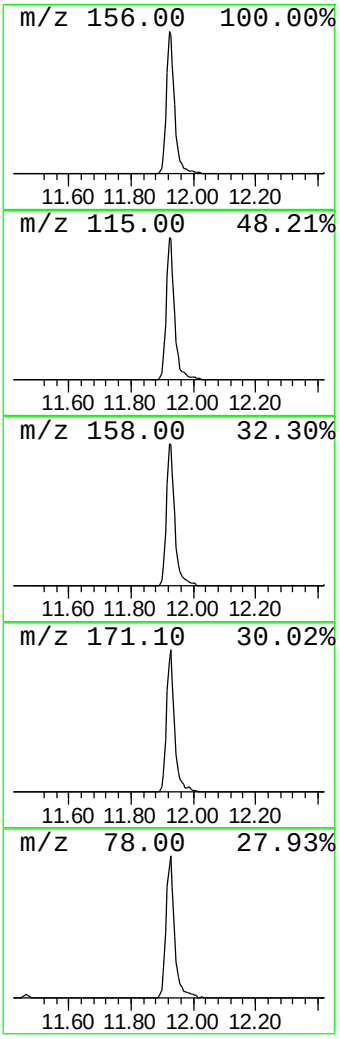
Peak Number 6 unknown11.92 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	10.38 ng/ul	626385	Naphthalene-d8	10.39

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	6-Isopropylquinoline	171	C12H13N	000135-79-5	32
3	Chloroxylenol	156	C8H9ClO	000088-04-0	32
4	Quinoline, 8-propyl-	171	C12H13N	007661-53-2	32
5	Benzene, 2,5-cyclohexadien-1-yl-	156	C12H12	004794-05-2	28





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072616\
Data File : BM006653.D
Acq On : 26 Jul 2016 16:11
Operator : UM/SJ
Sample : H4068-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : X2547

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072616.M
Quant Title : SVOA CALIBRATION

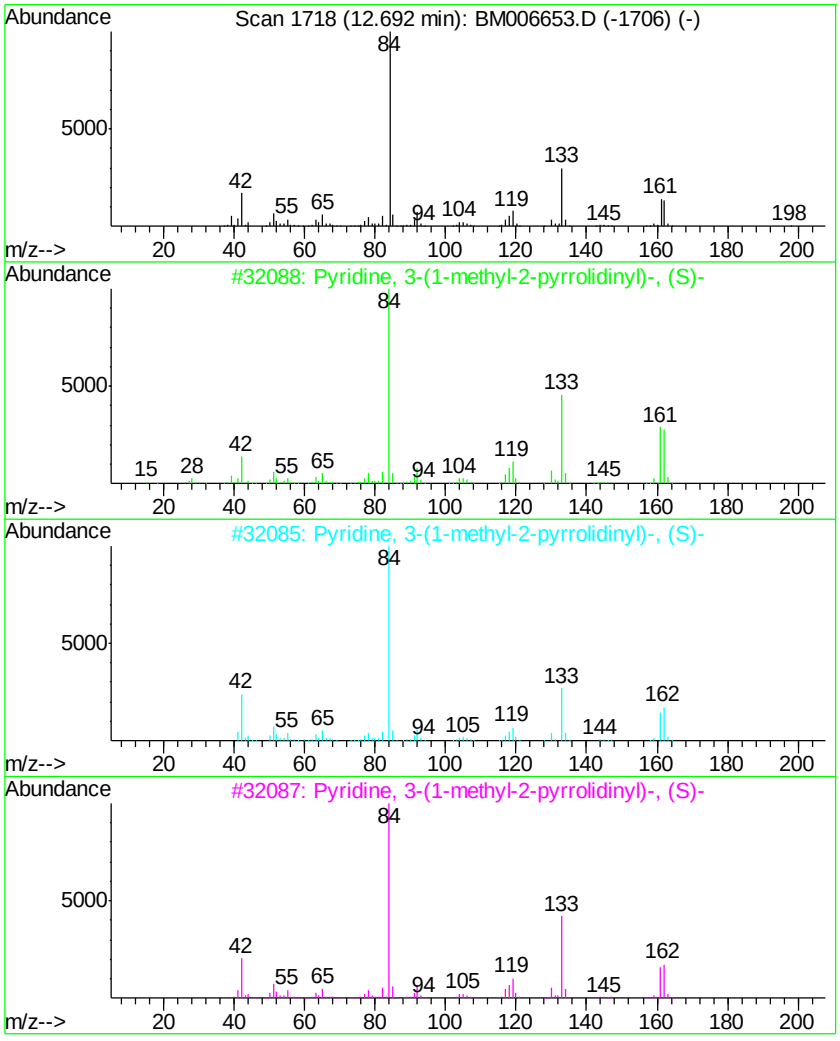
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

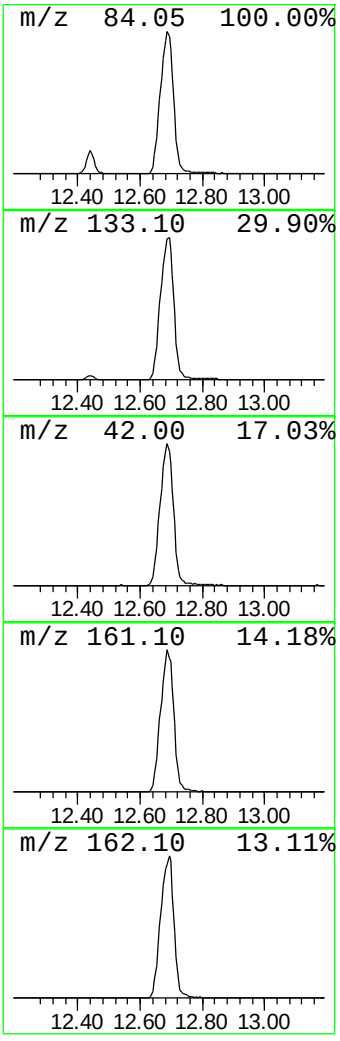
****

Peak Number 7 Pyridine, 3-(1-methyl-2-pyr... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	32.64 ng/ul	2577260	Acenaphthene-d10	14.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 3-(1-methyl-2-pyrrolid...	162	C10H14N2	000054-11-5	95
2	Pyridine, 3-(1-methyl-2-pyrrolid...	162	C10H14N2	000054-11-5	95
3	Pyridine, 3-(1-methyl-2-pyrrolid...	162	C10H14N2	000054-11-5	95
4	Pyridine, 3-(1-methyl-2-pyrrolid...	162	C10H14N2	000054-11-5	94
5	Pyridine, 3-(1-methyl-2-pyrrolid...	162	C10H14N2	000054-11-5	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072616\
Data File : BM006653.D
Acq On : 26 Jul 2016 16:11
Operator : UM/SJ
Sample : H4068-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : X2547

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072616.M
Quant Title : SVOA CALIBRATION

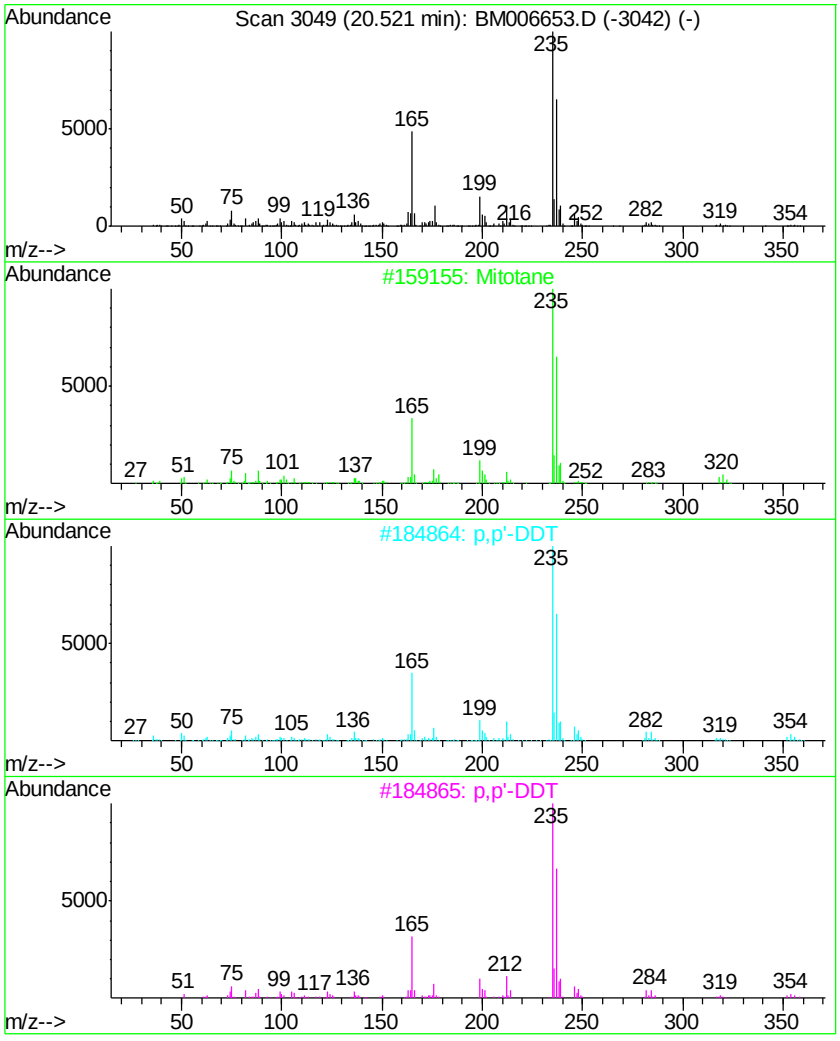
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

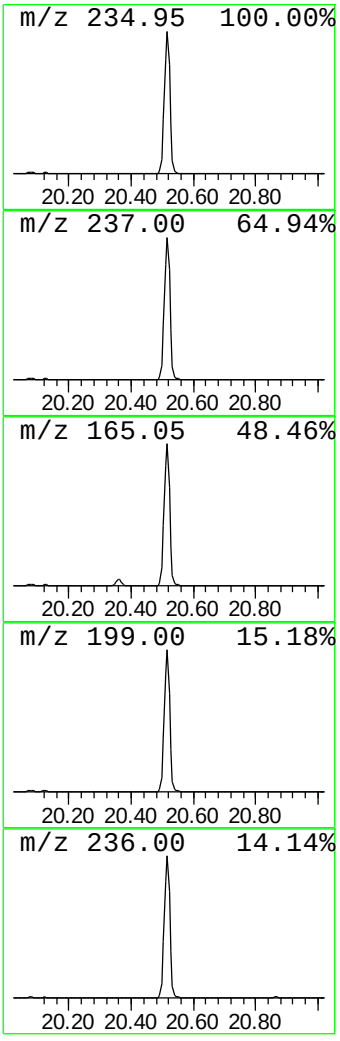
****

Peak Number 8 Mitotane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.52	16.36 ng/ul	6551870	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mitotane	318	C14H10Cl4	000053-19-0	98
2	p,p'-DDT	352	C14H9Cl5	000050-29-3	98
3	p,p'-DDT	352	C14H9Cl5	000050-29-3	95
4	1,1-Dichloro-2,2-bis(p-chlorophe...	318	C14H10Cl4	000072-54-8	91
5	Mitotane	318	C14H10Cl4	000053-19-0	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072616\
Data File : BM006653.D
Acq On : 26 Jul 2016 16:11
Operator : UM/SJ
Sample : H4068-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : X2547

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072616.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
unknown-01	2.67	1005.8	ng/ul	47872700	1	7.61	951890	20.0
Benzene, 1,3-dich...	7.50	37.6	ng/ul	1790070	1	7.61	951890	20.0
Benzene, 1,2-dich...	7.96	50.4	ng/ul	2397070	1	7.61	951890	20.0
Benzene, 1,2,4-tr...	10.26	42.2	ng/ul	2548750	2	10.39	1207430	20.0
Resorcinol	11.46	38.2	ng/ul	2308200	2	10.39	1207430	20.0
unknown11.92	11.92	10.4	ng/ul	626385	2	10.39	1207430	20.0
Pyridine, 3-(1-me...	12.69	32.6	ng/ul	2577260	3	14.26	1579360	20.0
Mitotane	20.52	16.4	ng/ul	6551870	5	21.22	8008870	20.0