LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012117\
Data File : BM008780.D
Acq On : 21 Jan 2017 20:03
Operator : UM/SJ
Sample : I1323-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA9S2

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-BM010617.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	5.069	416	422	426	rBV2	20124	31766	1.12%	0.119%
2	7.098	761	767	773	rBV2	88060	136008	4.82%	0.508%
3	7.281	792	798	806	rBV	250544	385942	13.67%	1.441%
4	7.481	826	832	840	rBV	329777	519334	18.39%	1.939%
5	7.951	906	912	920	rBV	325338	517794	18.33%	1.933%
6	8.416	982	991	995	rBV2	16323	30144	1.07%	0.113%
7	8.645	1024	1030	1036	rBV2	135061	221815	7.85%	0.828%
8	9.116	1103	1110	1116	rBV	432642	702647	24.88%	2.623%
9	9.734	1210	1215	1221	rVV	159567	232402	8.23%	0.868%
10	9.834	1224	1232	1237	rBV	361998	615002	21.78%	2.296%
11	9.881	1237	1240	1248	rVB	113736	170630	6.04%	0.637%
12	10.369	1316	1323	1329	rBV	448360	746509	26.43%	2.787%
13	10.428	1329	1333	1339	rVB2	37443	57456	2.03%	0.215%
14	10.757	1381	1389	1398	rBV	387125	666922	23.61%	2.490%
15	11.116	1444	1450	1456	rVB2	413053	617371	21.86%	2.305%
16	12.198	1628	1634	1638	rBV3	27648	46359	1.64%	0.173%
17	12.763	1725	1730	1734	rVB4	24136	34089	1.21%	0.127%
18	13.739	1889	1896	1901	rBV3	101349	143712	5.09%	0.537%
19	13.986	1929	1938	1951	rBV	885262	1244120	44.05%	4.645%
20	14.280	1979	1988	1995	rVB	760619	1168884	41.39%	4.364%
21	14.580	2033	2039	2046	rBV	577995	873507	30.93%	3.261%
22	14.763	2063	2070	2074	rBV	95239	151287	5.36%	0.565%
23	15.074	2119	2123	2128	rVV4	93990	119716	4.24%	0.447%
24	15.186	2138	2142	2147	rVB4	23303	36128	1.28%	0.135%
25	15.304	2156	2162	2165	rBV6	35326	56016	1.98%	0.209%
26	15.574	2201	2208	2216	rVB	1085853	1597899	56.58%	5.966%
27	15.680	2216	2226	2232	rBV	546669	800121	28.33%	2.987%
28	15.886	2257	2261	2266	rVB7	39595	47396	1.68%	0.177%
29	15.957	2269	2273	2279	rVB6	33308	51899	1.84%	0.194%
30	16.027	2281	2285	2289	rVB5	42774	52181	1.85%	0.195%
31	16.104	2289	2298	2302	rVB10	30788	54858	1.94%	0.205%
32	16.274	2321	2327	2331	rVB3	99585	150562	5.33%	0.562%
33	16.521	2362	2369	2374	rBV9	27042	55724	1.97%	0.208%
34	16.639	2381	2389	2396	rBV9	36063	81978	2.90%	0.306%

LSC Area Percent Report

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Data File : BM008780.D
Acq On : 21 Jan 2017 20:03
Operator : UM/SJ
Sample : I1323-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA9S2

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-BM010617.M
Title : SVOA CALIBRATION

35	16.910	2432	2435	2439	rVB6	31260	40448	1.43%	0.151%
36	17.068	2459	2462	2465	rVB5	22801	30850	1.09%	0.115%
37	17.121	2466	2471	2481	rVB4	111889	190623	6.75%	0.712%
38	17.227	2481	2489	2496	rBV5	38288	91805	3.25%	0.343%
39	17.321	2499	2505	2512	rVB2	846022	1283347	45.44%	4.791%
40	17.421	2517	2522	2533	rVB	1290602	1842378	65.23%	6.878%
41	17.504	2534	2536	2541	rVB5	25516	30142	1.07%	0.113%
42	17.668	2560	2564	2566	rBV4	27364	45299	1.60%	0.169%
43	18.045	2625	2628	2634	rVB5	59592	84104	2.98%	0.314%
44	18.192	2650	2653	2657	rBV6	42261	64400	2.28%	0.240%
45	18.274	2664	2667	2670	rVB5	28330	29979	1.06%	0.112%
46	18.362	2677	2682	2684	rBV5	18583	29728	1.05%	0.111%
47	18.545	2710	2713	2718	rVB7	23028	33983	1.20%	0.127%
48	19.098	2803	2807	2811	rBV7	30924	44117	1.56%	0.165%
49	19.239	2829	2831	2839	rVB6	52215	66095	2.34%	0.247%
50	19.327	2843	2846	2851	rVB7	48762	88028	3.12%	0.329%
51	19.468	2866	2870	2874	rBV4	78702	104700	3.71%	0.391%
52	19.515	2874	2878	2883	rVV	230019	306721	10.86%	1.145%
53	19.709	2905	2911	2920	rBV	1965106	2802835	99.24%	10.464%
54	19.927	2945	2948	2954	rVB8	29327	43997	1.56%	0.164%
55	20.168	2985	2989	2995	rVB3	60805	88661	3.14%	0.331%
56	21.486	3208	3213	3223	rVB	1494090	2004276	70.97%	7.483%
57	21.609	3230	3234	3240	rVB	418156	521344	18.46%	1.946%
58	23.697	3582	3589	3599	rVB2	1390676	2824279	100.00%	10.544%
59	23.850	3609	3615	3621	rVB	849337	1674935	59.30%	6.253%

Sum of corrected areas: 26785252

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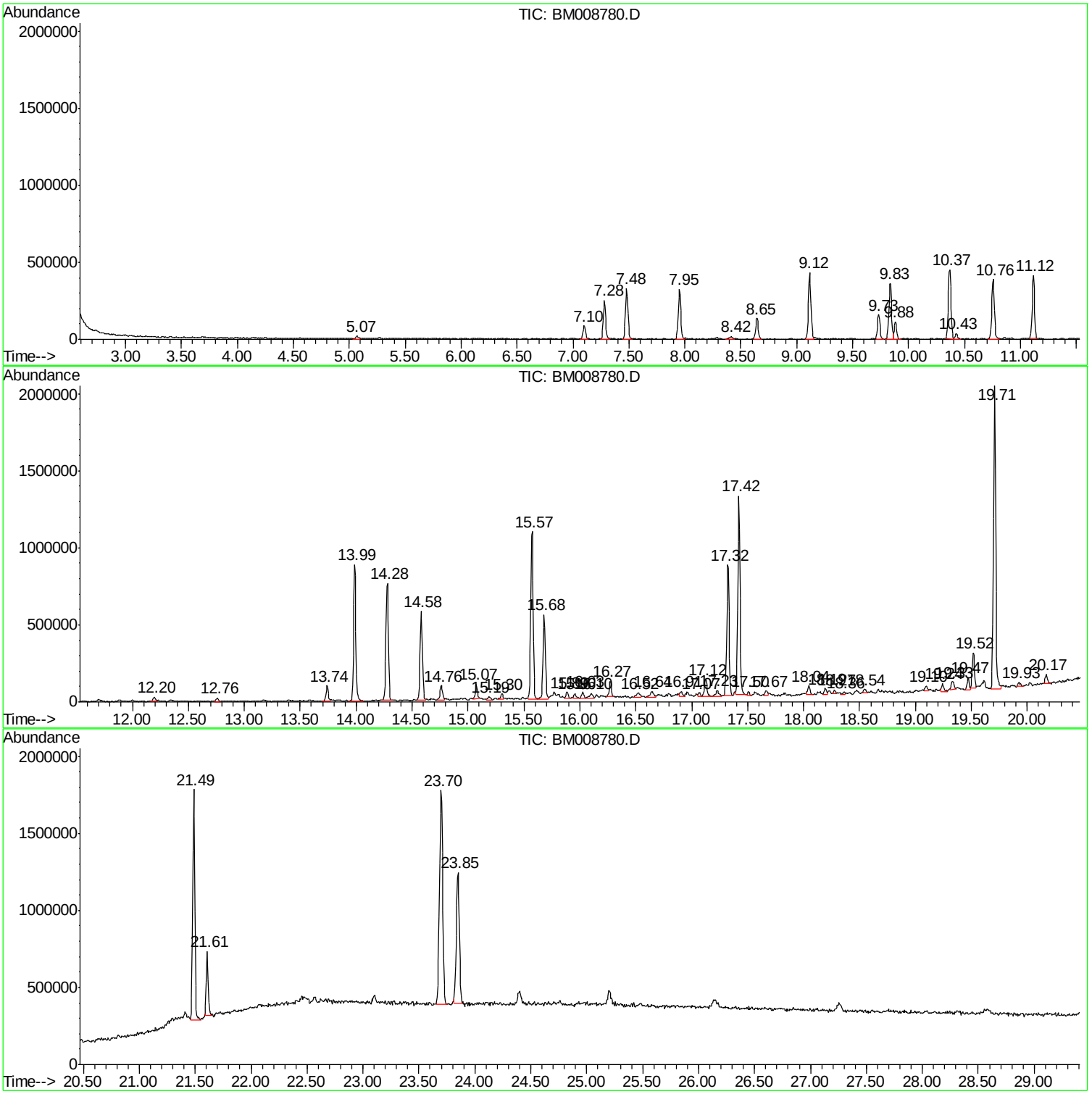
Operator : UM/SJ
Sample : I1323-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA9S2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010617.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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Data File : BM008780.D
Acq On : 21 Jan 2017 20:03
Operator : UM/SJ
Sample : I1323-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010617.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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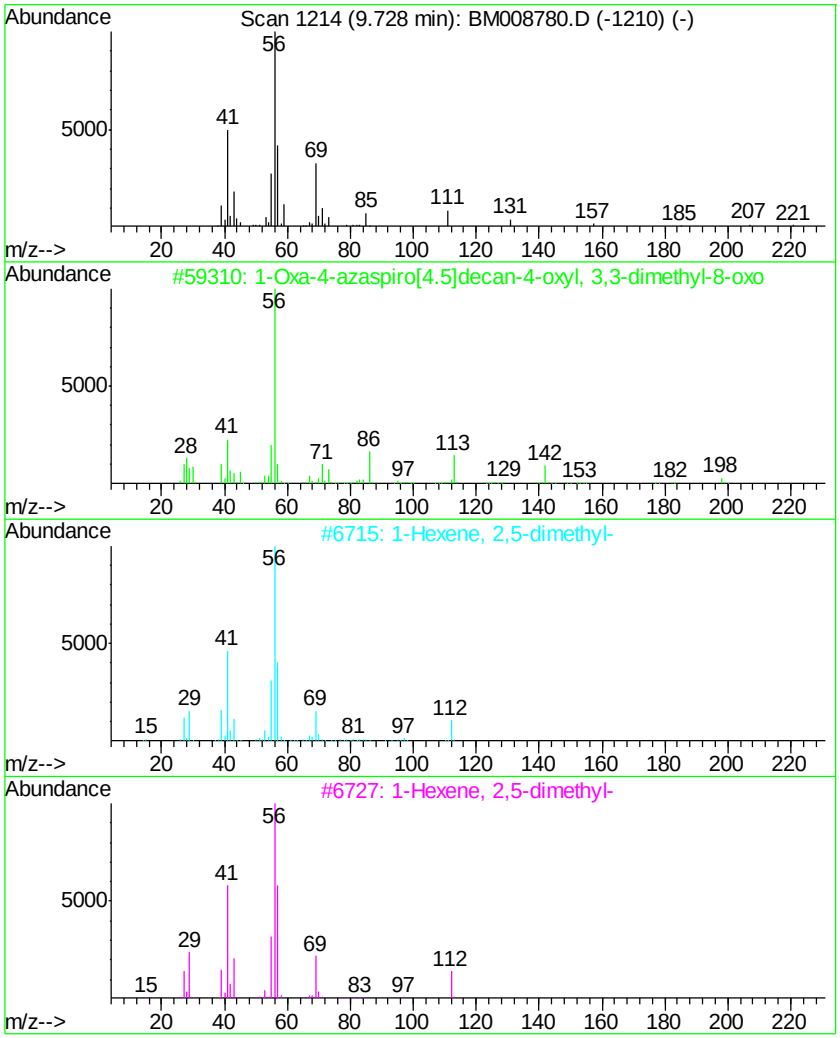
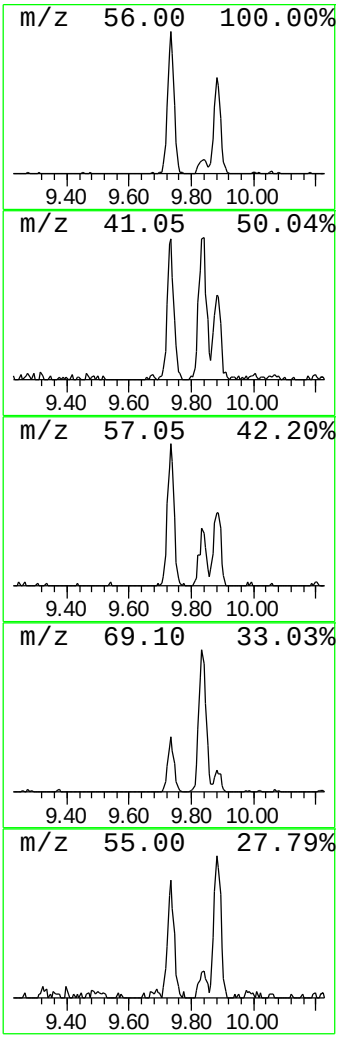
****

Peak Number 1 unknown-01 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.73	6.97 ng/ul	232402	Naphthalene-d8	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Oxa-4-azaspiro[4.5]decan-4-oxy...	198	C10H16NO3	1000115-84-0	45
2	1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	40
3	1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	40
4	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	40
5	1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	40





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012117\
Data File : BM008780.D
Acq On : 21 Jan 2017 20:03
Operator : UM/SJ
Sample : I1323-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA9S2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010617.M
Quant Title : SVOA CALIBRATION

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

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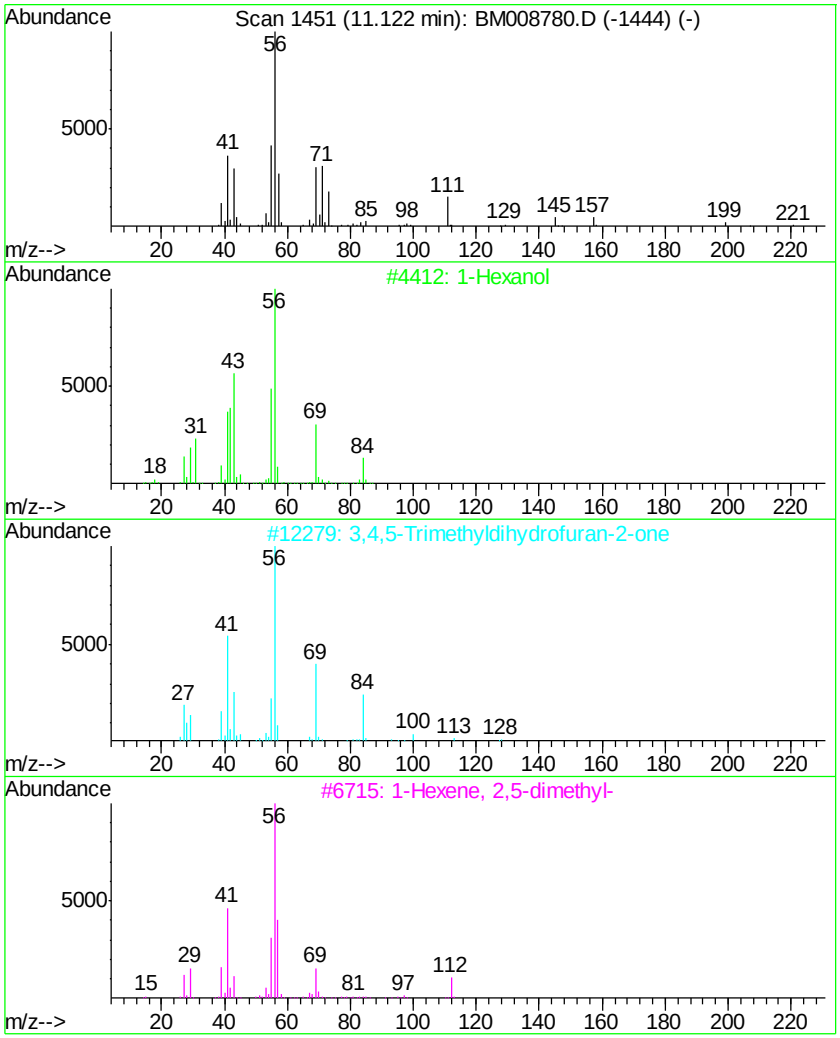
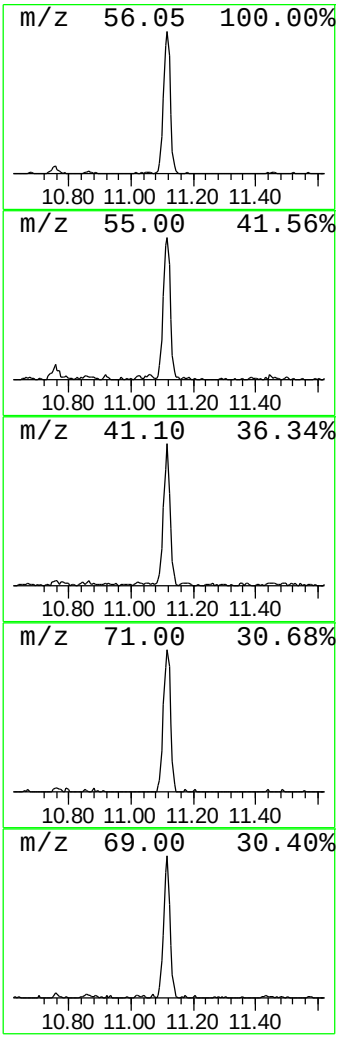
Peak Number 2 unknown-02 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	18.51 ng/ul	617371	Naphthalene-d8	10.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol	102	C6H14O	000111-27-3	47
2	3,4,5-Trimethyldihydrofuran-2-one	128	C7H12O2	1000194-05-2	37
3	1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	37
4	2,2-Dimethyl-3-hydroxypropionald...	102	C5H10O2	000597-31-9	33
5	Cyclopentanone, 2,2,5,5-tetramet...	140	C9H16O	004541-35-9	32





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012117\
Data File : BM008780.D
Acq On : 21 Jan 2017 20:03
Operator : UM/SJ
Sample : I1323-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA9S2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010617.M
Quant Title : SVOA CALIBRATION

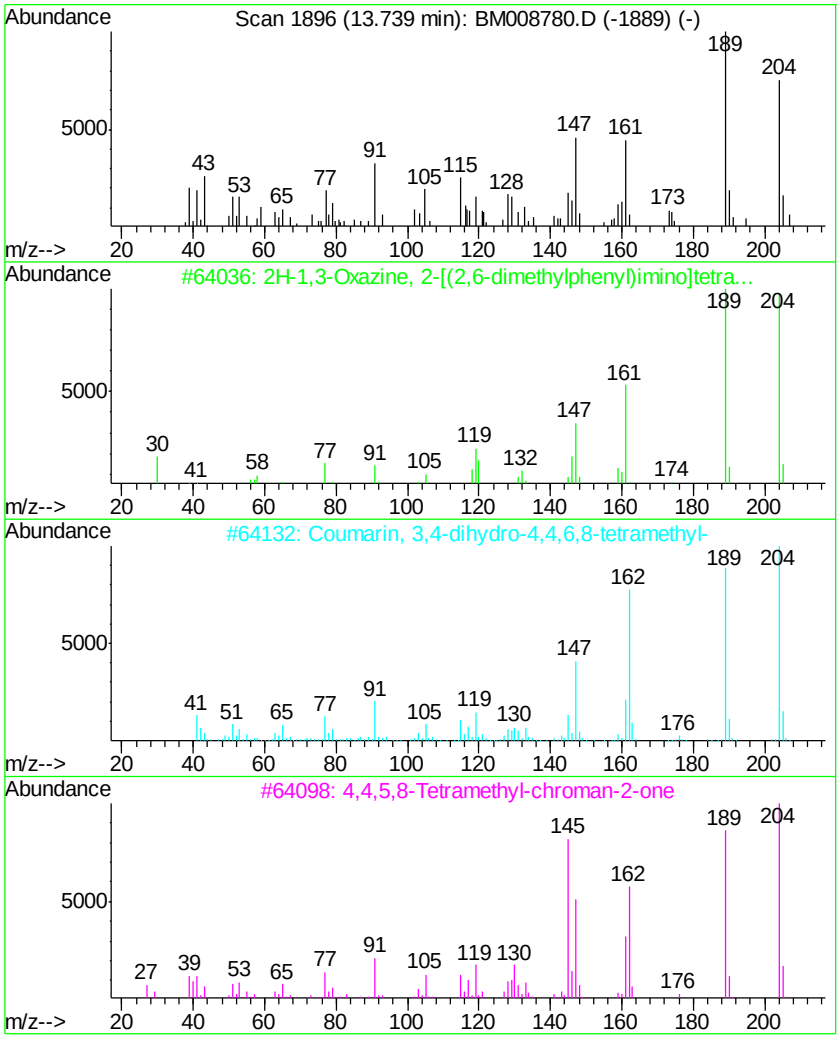
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

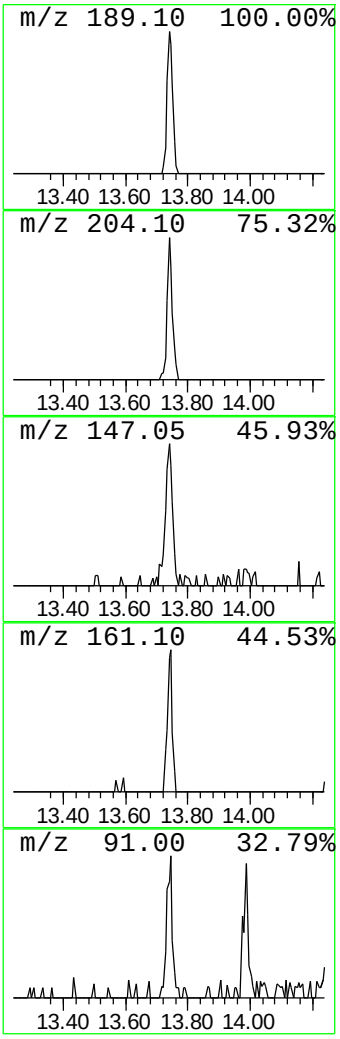
****

Peak Number 3 2H-1,3-Oxazine, 2-[(2,6-dim... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	3.29 ng/ul	143712	Acenaphthene-d10	14.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-1,3-Oxazine, 2-[(2,6-dimethyl...	204	C12H16N2O	054708-09-7	93
2	Coumarin, 3,4-dihydro-4,4,6,8-te...	204	C13H16O2	249629-60-5	72
3	4,4,5,8-Tetramethyl-chroman-2-one	204	C13H16O2	040662-15-5	62
4	Dihydrocoumarin, 4,4,5,7-tetrame...	204	C13H16O2	040662-14-4	58
5	2,3-Dimethoxy-5-aminocinnamonitrile	204	C11H12N2O2	1000214-46-5	58





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012117\
Data File : BM008780.D
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Operator : UM/SJ
Sample : I1323-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA9S2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010617.M
Quant Title : SVOA CALIBRATION

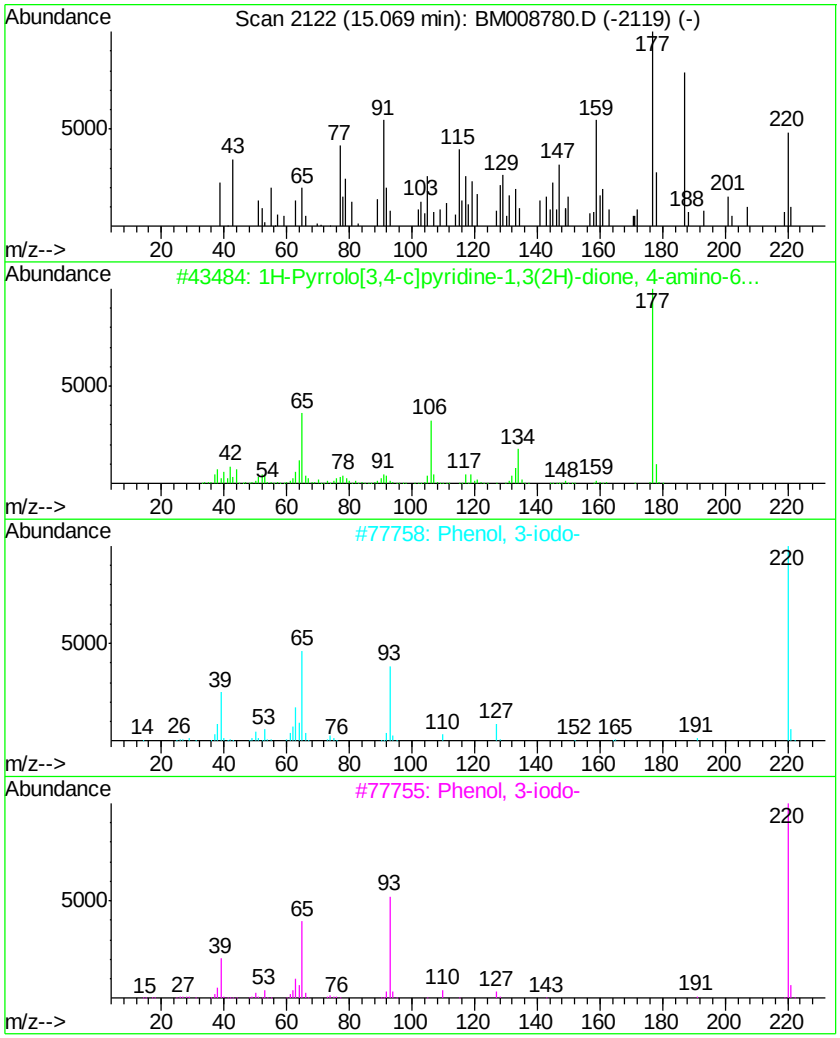
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

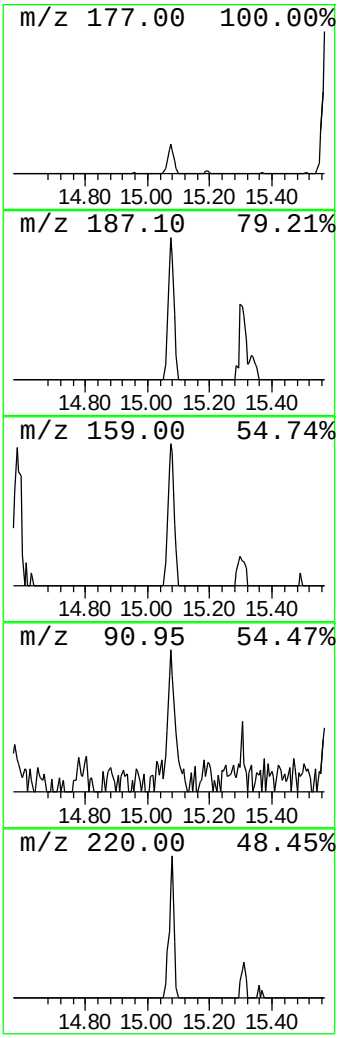
****

Peak Number 4 unknown-03 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	2.74 ng/ul	119716	Acenaphthene-d10	14.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Pyrrolo[3,4-c]pyridine-1,3(2H...	177	C8H7N3O2	090004-20-9	35
2	Phenol, 3-iodo-	220	C6H5IO	000626-02-8	27
3	Phenol, 3-iodo-	220	C6H5IO	000626-02-8	27
4	Phenol, 2-iodo-	220	C6H5IO	000533-58-4	22
5	Phenol, 2-iodo-	220	C6H5IO	000533-58-4	22





Library Search Compound Report

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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA9S2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010617.M
Quant Title : SVOA CALIBRATION

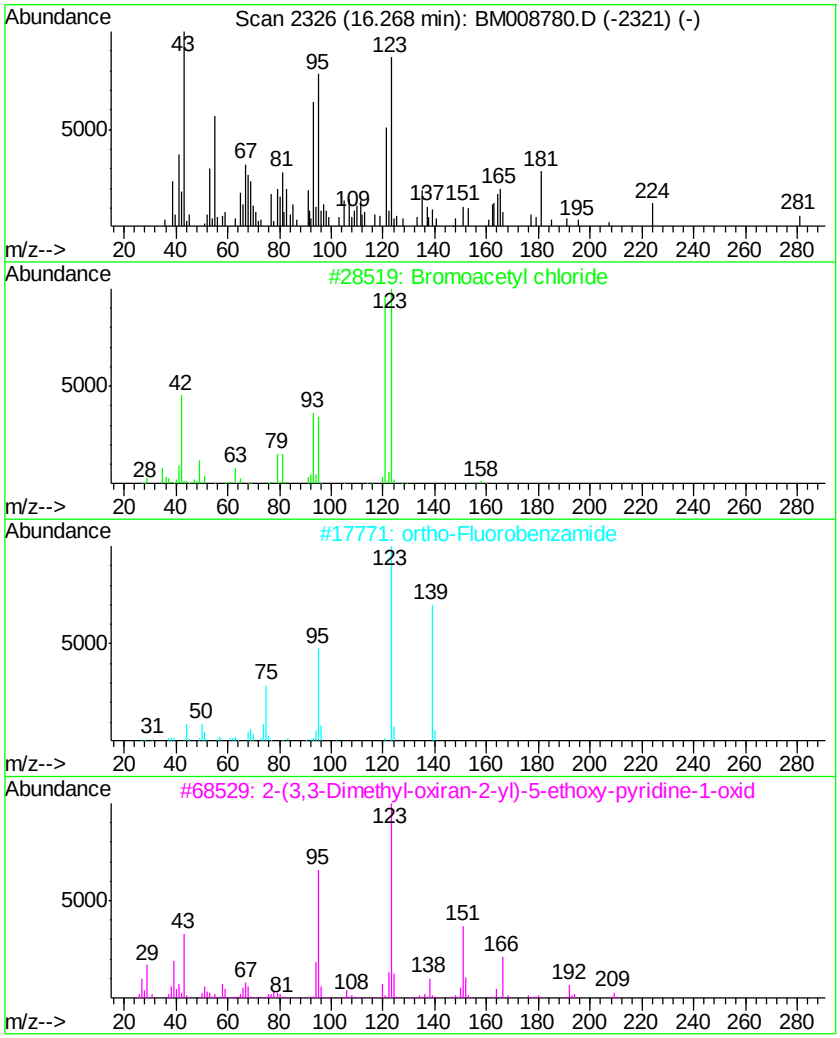
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

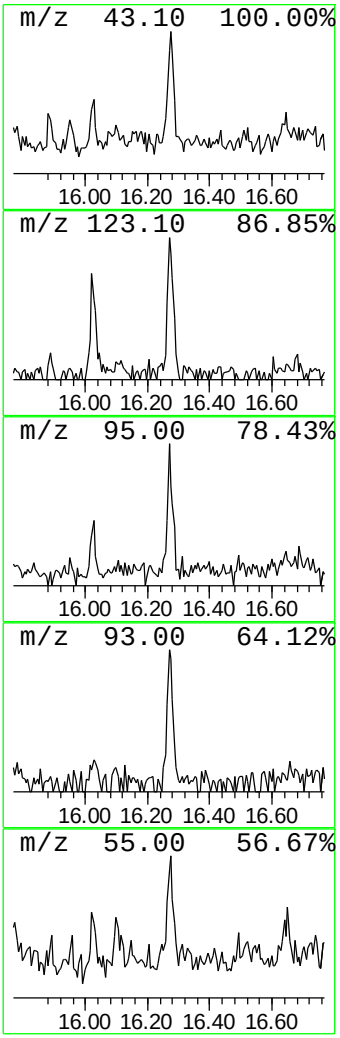
****

Peak Number 5 unknown-04 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.27	2.35 ng/ul	150562	Phenanthrene-d10	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bromoacetyl chloride	156	C2H2BrClO	022118-09-8	35
2	ortho-Fluorobenzamide	139	C7H6FNO	000445-28-3	25
3	2-(3,3-Dimethyl-oxiran-2-yl)-5-e...	209	C11H15NO3	1000194-95-4	22
4	Bicyclo[3.1.0]hexan-3-ol, 4-meth...	154	C10H18O	000513-23-5	22
5	Cyclopropanecarboxylic acid, 2,2...	330	C21H30O3	004466-14-2	22





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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010617.M
Quant Title : SVOA CALIBRATION

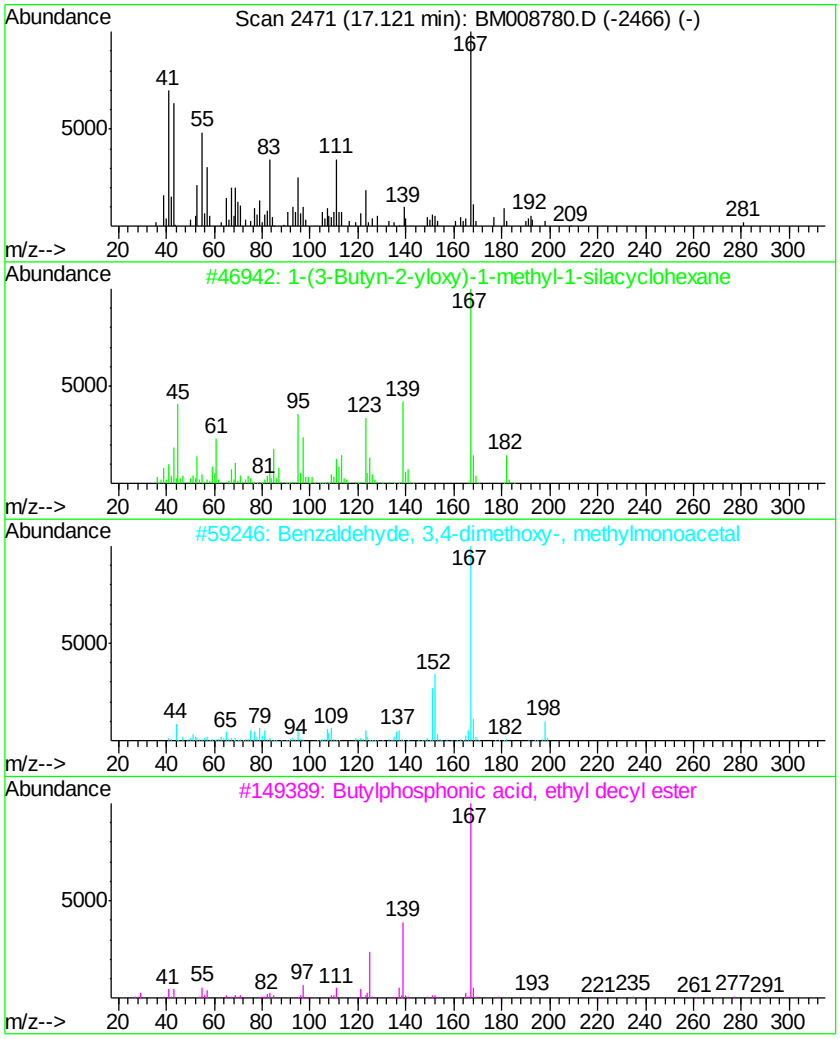
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

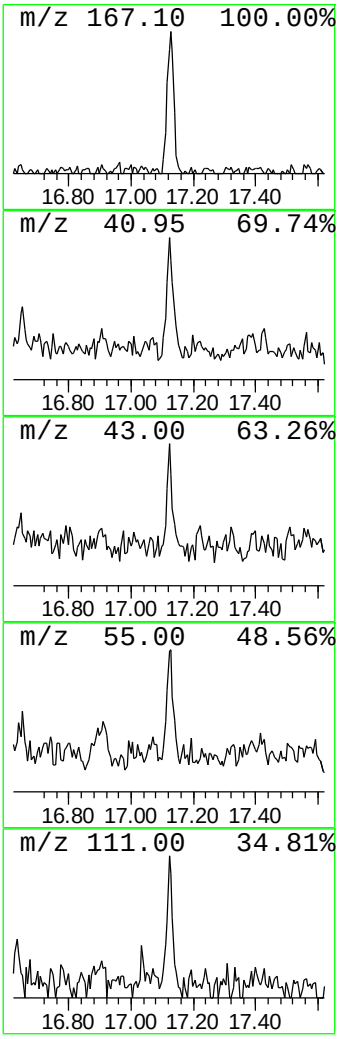
****

Peak Number 6 1-(3-Butyn-2-yloxy)-1-methy... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.12	2.97 ng/ul	190623	Phenanthrene-d10	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(3-Butyn-2-yloxy)-1-methyl-1-s...	182	C10H18OSi	1000245-84-4	50
2	Benzaldehyde, 3,4-dimethoxy-, me...	198	C10H14O4	1000153-10-7	47
3	Butylphosphonic acid, ethyl decy...	306	C16H35O3P	1000322-89-9	47
4	2-Amino-6,8-dihydroxypurine	167	C5H5N5O2	005614-64-2	43
5	5-tert-Butylpyrogallol	182	C10H14O3	020481-17-8	43





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012117\
Data File : BM008780.D
Acq On : 21 Jan 2017 20:03
Operator : UM/SJ
Sample : I1323-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA9S2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010617.M
Quant Title : SVOA CALIBRATION

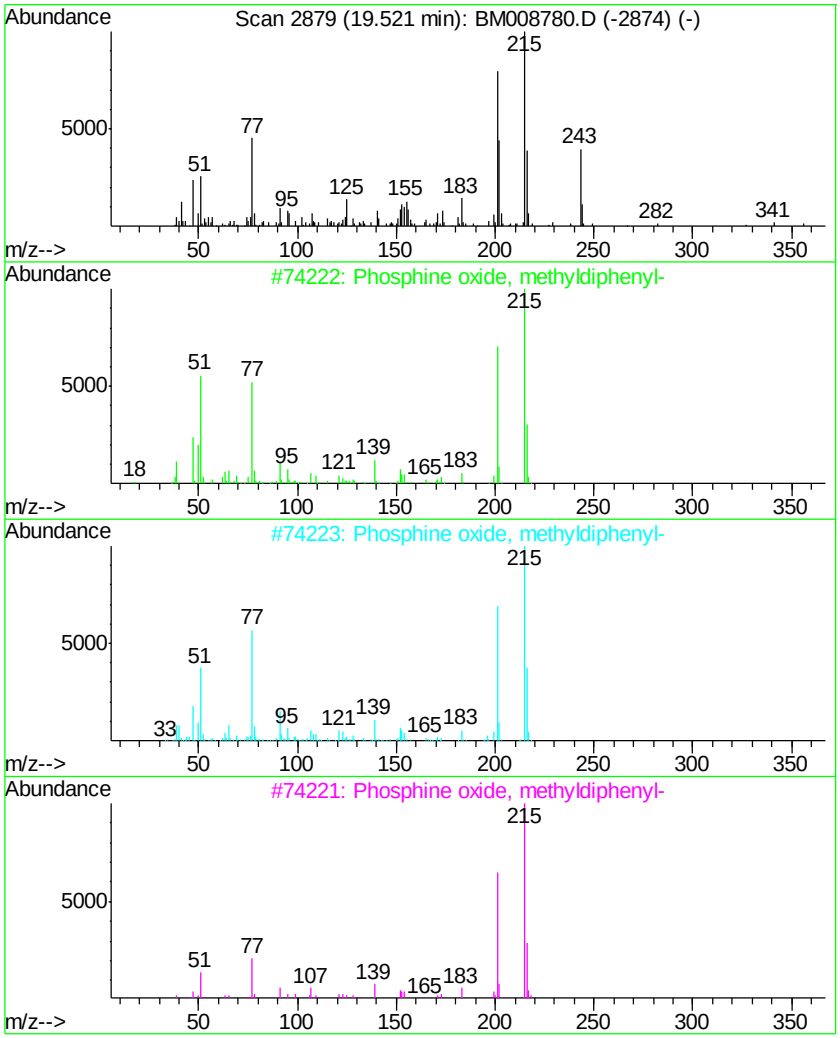
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

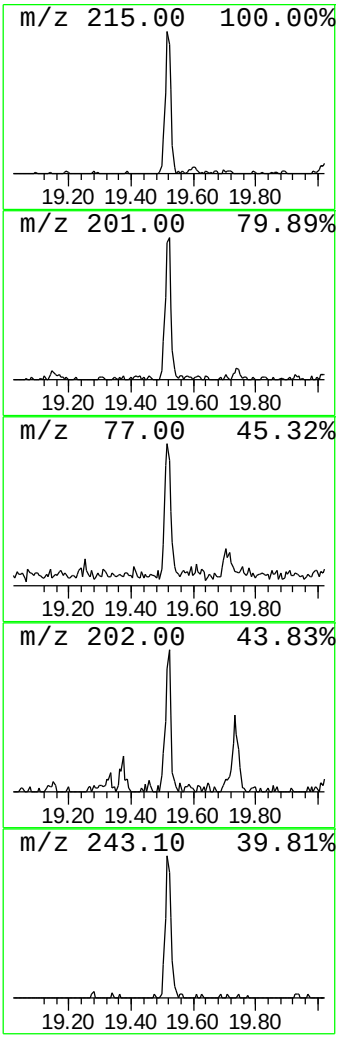
****

Peak Number 7 Phosphine oxide, methyldiph... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.52	3.06 ng/ul	306721	Chrysene-d12	21.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphine oxide, methyldiphenyl-	216	C13H13OP	002129-89-7	83
2	Phosphine oxide, methyldiphenyl-	216	C13H13OP	002129-89-7	62
3	Phosphine oxide, methyldiphenyl-	216	C13H13OP	002129-89-7	55
4	Propanesulfonic acid, 3-(dipheny...	338	C16H19O4PS	1000156-89-7	49
5	Phosphine oxide, methyldiphenyl-	216	C13H13OP	002129-89-7	47





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012117\
Data File : BM008780.D
Acq On : 21 Jan 2017 20:03
Operator : UM/SJ
Sample : I1323-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA9S2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010617.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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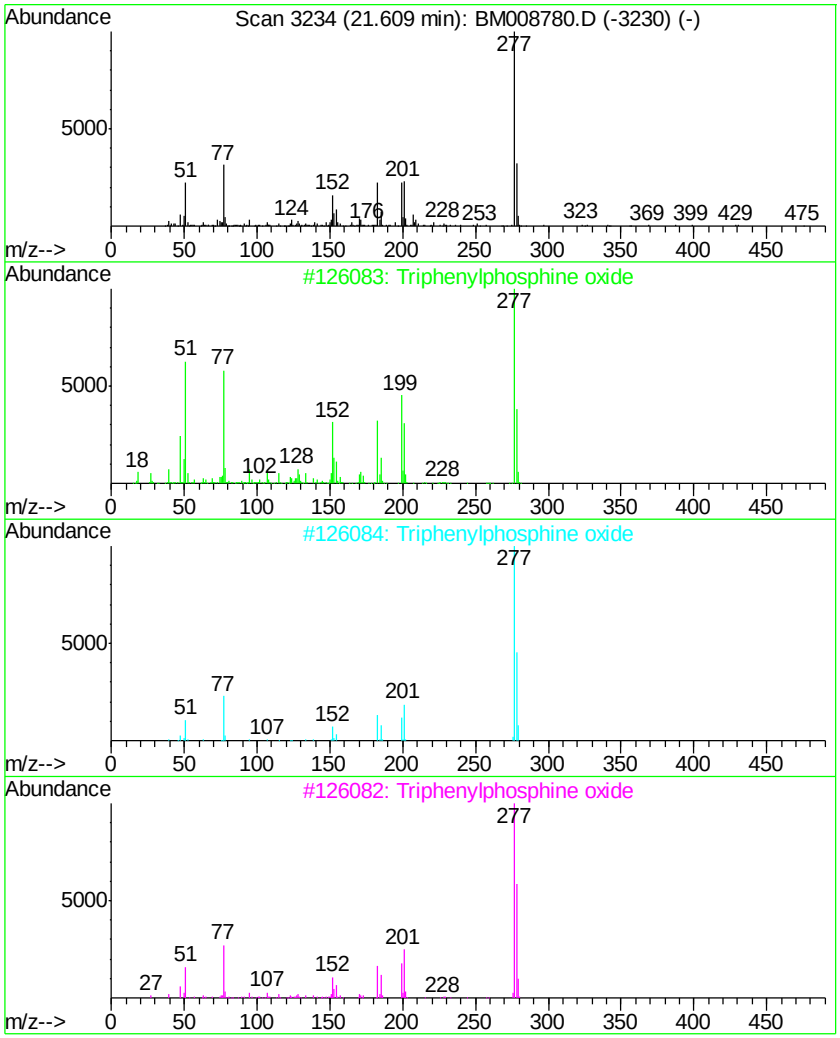
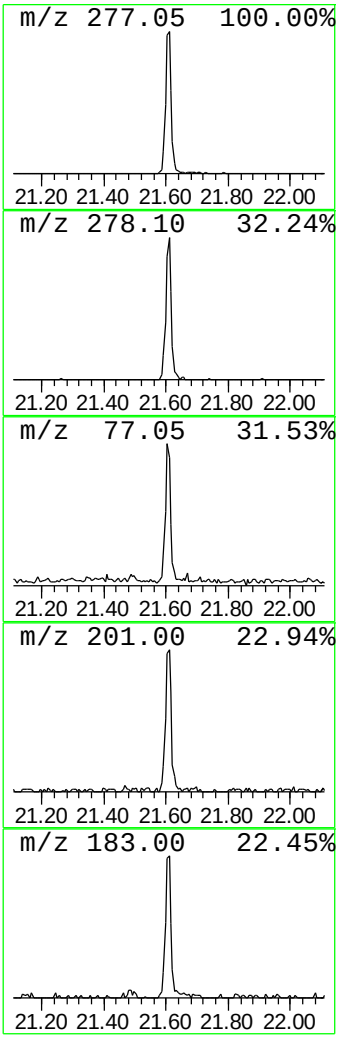
Peak Number 8 Triphenylphosphine oxide Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.61	5.20 ng/ul	521344	Chrysene-d12	21.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylphosphine oxide	278	C18H15OP	000791-28-6	93
2	Triphenylphosphine oxide	278	C18H15OP	000791-28-6	50
3	Triphenylphosphine oxide	278	C18H15OP	000791-28-6	43
4	4-Nitro-4'-methyldiphenylsulfone	277	C13H11NO4S	004094-37-5	43
5	Formaldehyde, (triphenylphosphor...	304	C19H17N2P	015990-54-2	39





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012117\
Data File : BM008780.D
Acq On : 21 Jan 2017 20:03
Operator : UM/SJ
Sample : I1323-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA9S2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010617.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	9.73	7.0	ng/ul	232402	2	10.76	666922	20.0
unknown-02	11.12	18.5	ng/ul	617371	2	10.76	666922	20.0
2H-1,3-Oxazine, 2...	13.74	3.3	ng/ul	143712	3	14.58	873507	20.0
unknown-03	15.07	2.7	ng/ul	119716	3	14.58	873507	20.0
unknown-04	16.27	2.4	ng/ul	150562	4	17.32	1283350	20.0
1-(3-Butyn-2-ylox...	17.12	3.0	ng/ul	190623	4	17.32	1283350	20.0
Phosphine oxide, ...	19.52	3.1	ng/ul	306721	5	21.49	2004280	20.0
Triphenylphosphin...	21.61	5.2	ng/ul	521344	5	21.49	2004280	20.0