LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012317\
Data File : BM008824.D
Acq On : 24 Jan 2017 04:43
Operator : UM/SJ
Sample : I1323-13
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA9R5

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-BM012317.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	7.087	759	765	773	rVB	114702	185473	6.94%	0.586%
2	7.263	789	795	806	rBV	338583	516626	19.33%	1.633%
3	7.463	822	829	836	rBV	408920	645238	24.15%	2.040%
4	7.934	902	909	915	rBV	488824	801174	29.98%	2.533%
5	7.981	915	917	923	rVB4	22580	34244	1.28%	0.108%
6	8.628	1020	1027	1033	rBV	238273	378894	14.18%	1.198%
7	9.098	1100	1107	1114	rBV	524400	900464	33.70%	2.847%
8	9.716	1206	1212	1221	rBV	214192	317929	11.90%	1.005%
9	9.822	1223	1230	1234	rVV	487878	815284	30.51%	2.578%
10	9.863	1234	1237	1244	rVB	144040	227387	8.51%	0.719%
11	10.351	1313	1320	1326	rBV2	590330	983802	36.82%	3.110%
12	10.404	1326	1329	1336	rVB	46425	73465	2.75%	0.232%
13	10.739	1378	1386	1392	rBV	643313	1099730	41.16%	3.477%
14	10.786	1392	1394	1400	rVB3	50107	72212	2.70%	0.228%
15	10.875	1405	1409	1418	rVB6	33629	71548	2.68%	0.226%
16	11.098	1440	1447	1454	rVB	556965	846722	31.69%	2.677%
17	11.686	1542	1547	1553	rBV5	20450	37669	1.41%	0.119%
18	11.986	1593	1598	1603	rBV2	16950	26996	1.01%	0.085%
19	12.180	1622	1631	1636	rBV3	39918	63724	2.38%	0.201%
20	12.333	1649	1657	1660	rBV8	18051	37243	1.39%	0.118%
21	12.739	1720	1726	1732	rVB6	28713	47013	1.76%	0.149%
22	13.063	1777	1781	1786	rBV6	18413	30125	1.13%	0.095%
23	13.574	1864	1868	1872	rBV6	27806	43032	1.61%	0.136%
24	13.727	1889	1894	1899	rBV3	128754	184629	6.91%	0.584%
25	13.974	1928	1936	1947	rVB	1043365	1524281	57.05%	4.819%
26	14.269	1974	1986	1992	rBV	1049920	1552690	58.11%	4.909%
27	14.574	2032	2038	2044	rBV	934810	1384727	51.82%	4.378%
28	14.751	2063	2068	2075	rBV	110524	170696	6.39%	0.540%
29	14.963	2102	2104	2109	rVB5	27390	35658	1.33%	0.113%
30	15.021	2109	2114	2116	rBV6	21312	37934	1.42%	0.120%
31	15.063	2116	2121	2127	rBV	211188	288775	10.81%	0.913%
32	15.180	2139	2141	2146	rVB5	27297	31419	1.18%	0.099%
33	15.292	2157	2160	2167	rVB6	64277	89774	3.36%	0.284%
34	15.563	2199	2206	2215	rBV	1368882	1963830	73.50%	6.209%

LSC Area Percent Report

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Acq On : 24 Jan 2017 04:43
Operator : UM/SJ
Sample : I1323-13
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA9R5

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-BM012317.M
Title : SVOA CALIBRATION

35	15.674	2219	2225	2232	rBV2	954586	1475014	55.20%	4.664%
36	15.763	2237	2240	2244	rVV6	24205	33313	1.25%	0.105%
37	15.874	2256	2259	2264	rBV6	37845	48877	1.83%	0.155%
38	15.951	2268	2272	2278	rVB6	48141	76778	2.87%	0.243%
39	16.015	2278	2283	2287	rBV5	57090	90745	3.40%	0.287%
40	16.098	2293	2297	2302	rVB6	35607	54451	2.04%	0.172%
41	16.268	2320	2326	2332	rVB5	129272	199537	7.47%	0.631%
42	16.515	2365	2368	2374	rVB8	25457	37877	1.42%	0.120%
43	16.639	2383	2389	2393	rBV8	38688	71636	2.68%	0.226%
44	16.957	2437	2443	2449	rBV7	92089	178314	6.67%	0.564%
45	17.057	2458	2460	2465	rVB6	25474	34492	1.29%	0.109%
46	17.115	2465	2470	2475	rBV3	125824	202273	7.57%	0.640%
47	17.227	2482	2489	2491	rBV7	23124	40151	1.50%	0.127%
48	17.315	2498	2504	2510	rBV	1245824	1757980	65.79%	5.558%
49	17.415	2513	2521	2532	rVV2	1523583	2246862	84.09%	7.104%
50	17.504	2532	2536	2539	rVB5	31565	41272	1.54%	0.130%
51	17.657	2558	2562	2566	rBV6	33173	52369	1.96%	0.166%
52	18.039	2623	2627	2633	rVB4	66477	99013	3.71%	0.313%
53	18.139	2639	2644	2647	rBV6	22704	38183	1.43%	0.121%
54	18.186	2649	2652	2655	rBV4	42049	49726	1.86%	0.157%
55	18.662	2730	2733	2738	rVB7	27673	37282	1.40%	0.118%
56	19.092	2803	2806	2809	rBV4	34592	39638	1.48%	0.125%
57	19.233	2827	2830	2835	rVB5	53864	78377	2.93%	0.248%
58	19.333	2842	2847	2851	rBV6	33315	72737	2.72%	0.230%
59	19.462	2865	2869	2872	rBV5	55662	70802	2.65%	0.224%
60	19.515	2873	2878	2883	rVB	215204	294599	11.03%	0.931%
61	19.703	2904	2910	2922	rBV	1933676	2672053	100.00%	8.448%
62	20.162	2984	2988	2993	rBV2	65750	94531	3.54%	0.299%
63	21.486	3208	3213	3218	rBV	1574728	2004146	75.00%	6.337%
64	21.603	3229	3233	3237	rBV	336911	411430	15.40%	1.301%
65	23.697	3583	3589	3598	rVB2	1049645	1981626	74.16%	6.265%
66	23.850	3609	3615	3623	rVB	781345	1521958	56.96%	4.812%

Sum of corrected areas: 31628449

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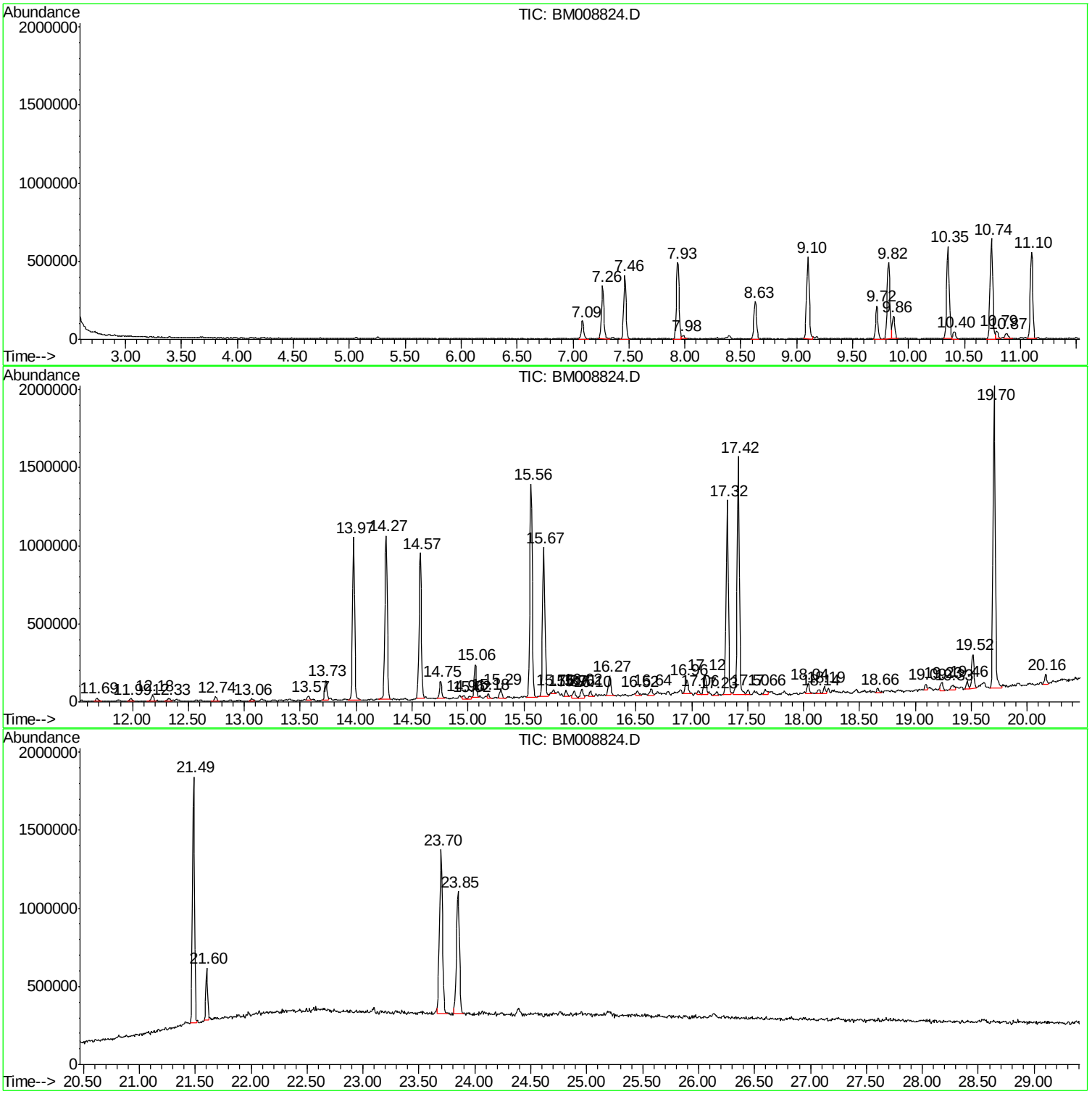
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA9R5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012317.M
Quant Title : SVOA CALIBRATION

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



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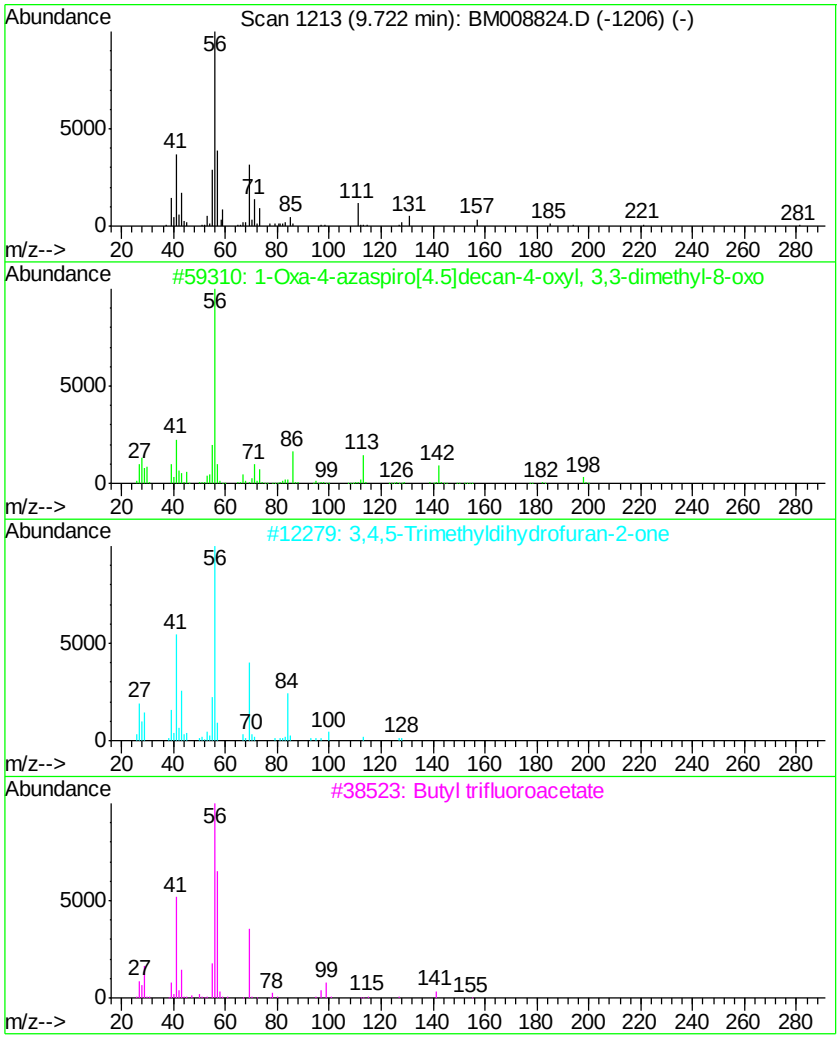
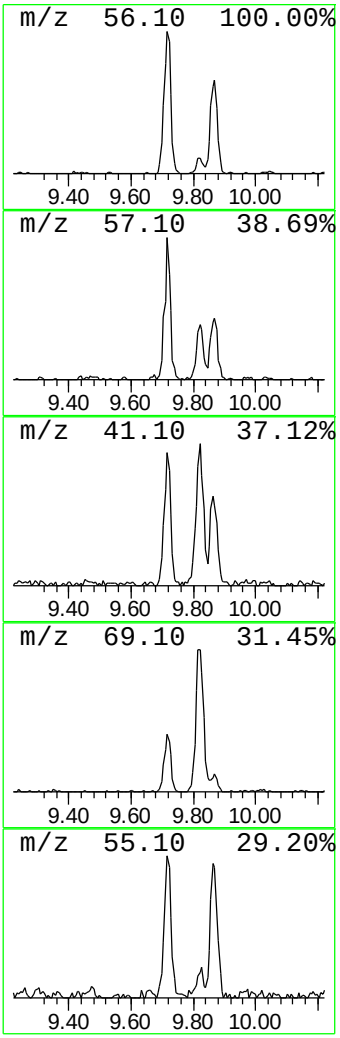
****

Peak Number 1 1-Oxa-4-azaspiro[4.5]decan-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	5.78 ng/ul	317929	Naphthalene-d8	10.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Oxa-4-azaspiro[4.5]decan-4-oxy...	198	C10H16NO3	1000115-84-0	53
2	3,4,5-Trimethyldihydrofuran-2-one	128	C7H12O2	1000194-05-2	50
3	Butyl trifluoroacetate	170	C6H9F3O2	000367-64-6	40
4	1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	40
5	1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	40





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012317\
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Sample : I1323-13
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA9R5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012317.M
Quant Title : SVOA CALIBRATION

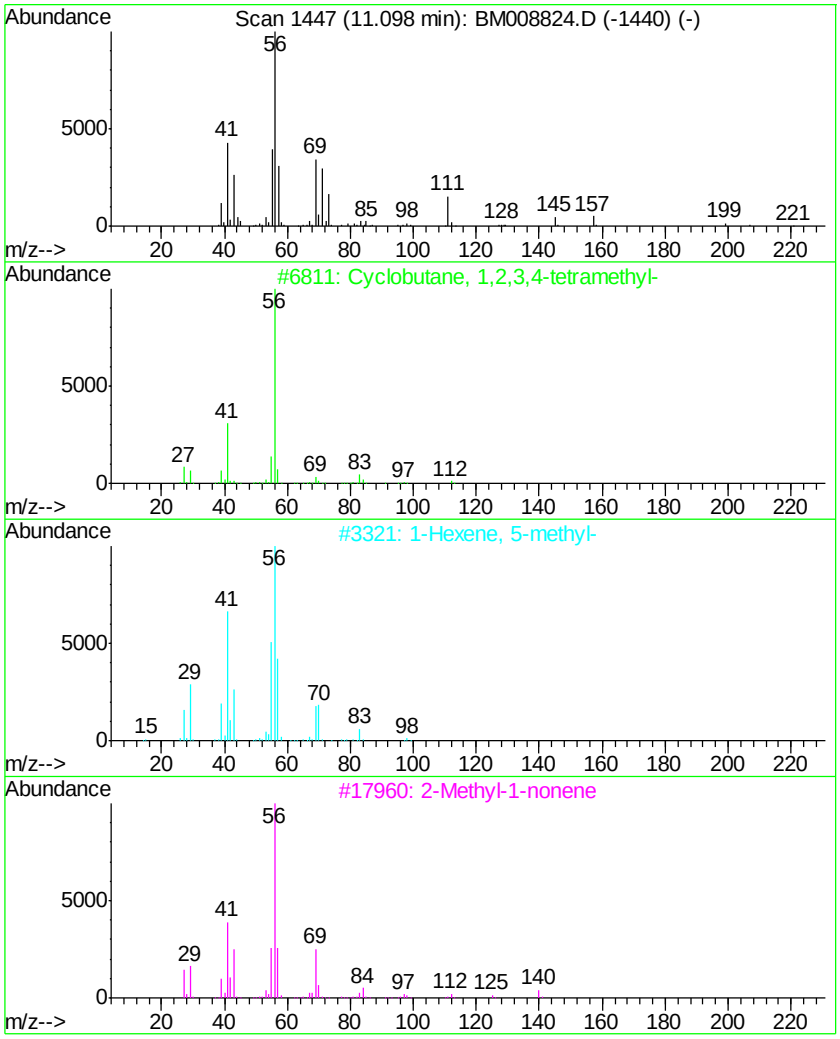
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

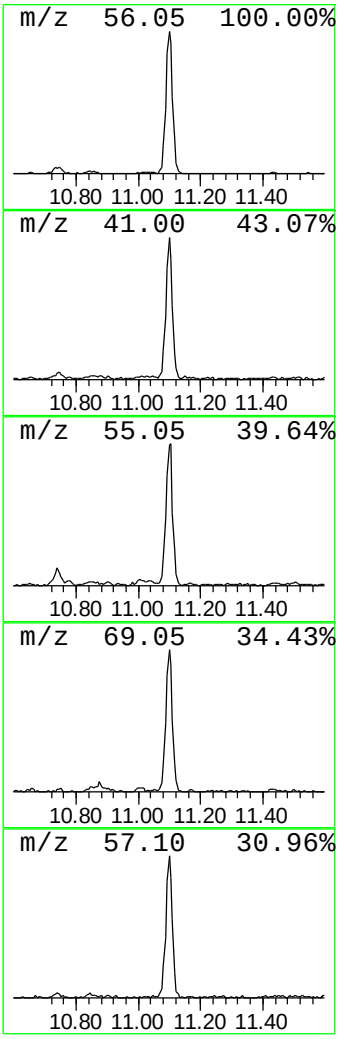
****

Peak Number 2 (DEL) Alkane: Cyclic11.10 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	15.40 ng/ul	846722	Naphthalene-d8	10.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, 1,2,3,4-tetramethyl-	112	C8H16	069531-57-3	43
2	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	38
3	2-Methyl-1-nonene	140	C10H20	002980-71-4	38
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	36
5	1-Octene, 2-methyl-	126	C9H18	004588-18-5	33





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Sample : I1323-13
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA9R5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012317.M
Quant Title : SVOA CALIBRATION

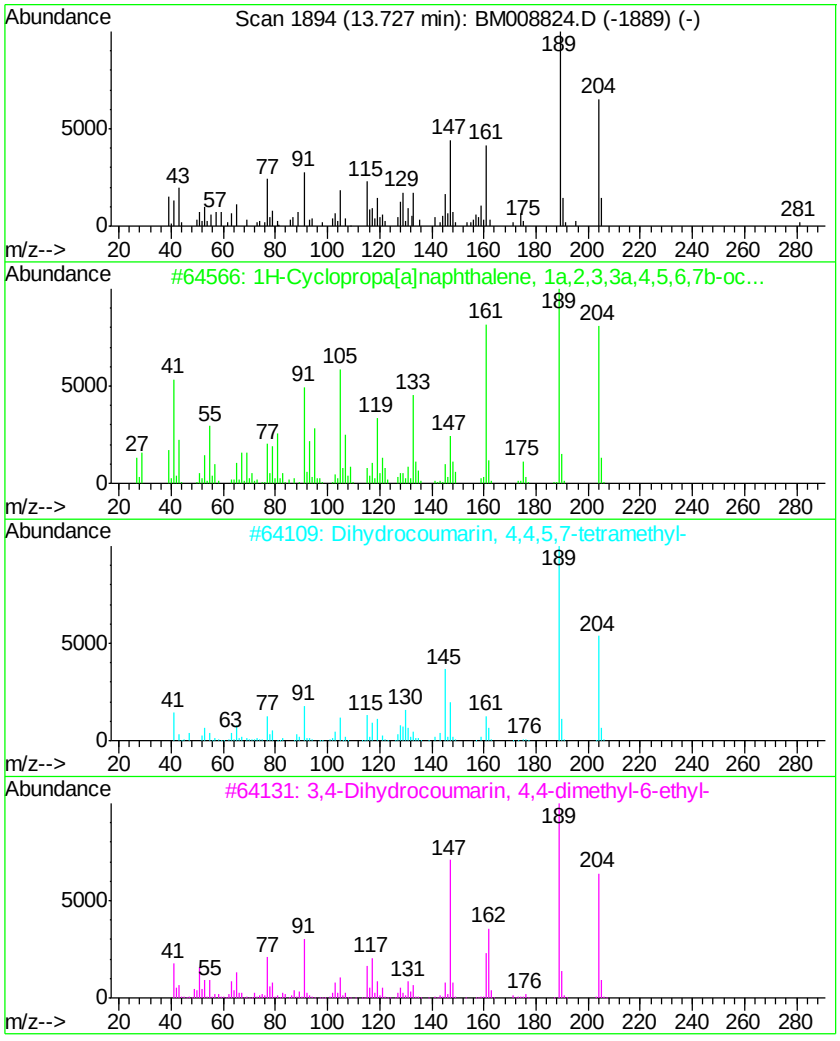
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

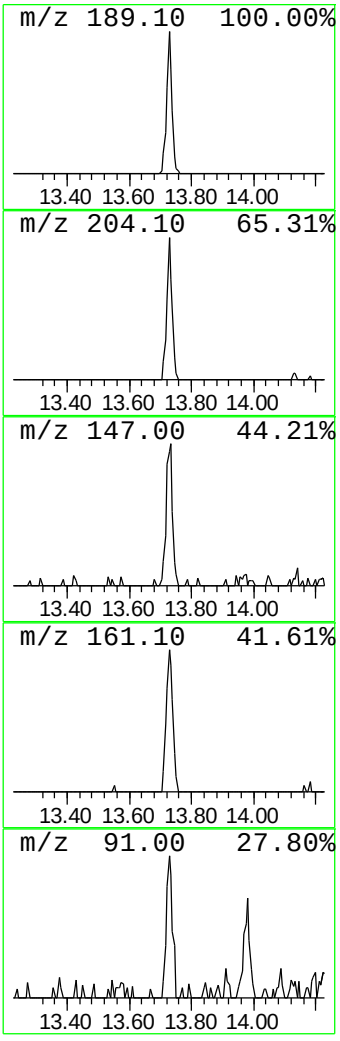
****

Peak Number 3 1H-Cyclopropa[a]naphthalene... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	2.67 ng/ul	184629	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[a]naphthalene, 1a,...	204	C15H24	000489-29-2	68
2	Dihydrocoumarin, 4,4,5,7-tetrame...	204	C13H16O2	040662-14-4	58
3	3,4-Dihydrocoumarin, 4,4-dimethy...	204	C13H16O2	029423-74-3	58
4	Naphthalene, 2,3,4,4a,5,6-hexahy...	204	C15H24	000473-14-3	49
5	.delta.-Selinene	204	C15H24	028624-23-9	49





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ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA9R5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012317.M
Quant Title : SVOA CALIBRATION

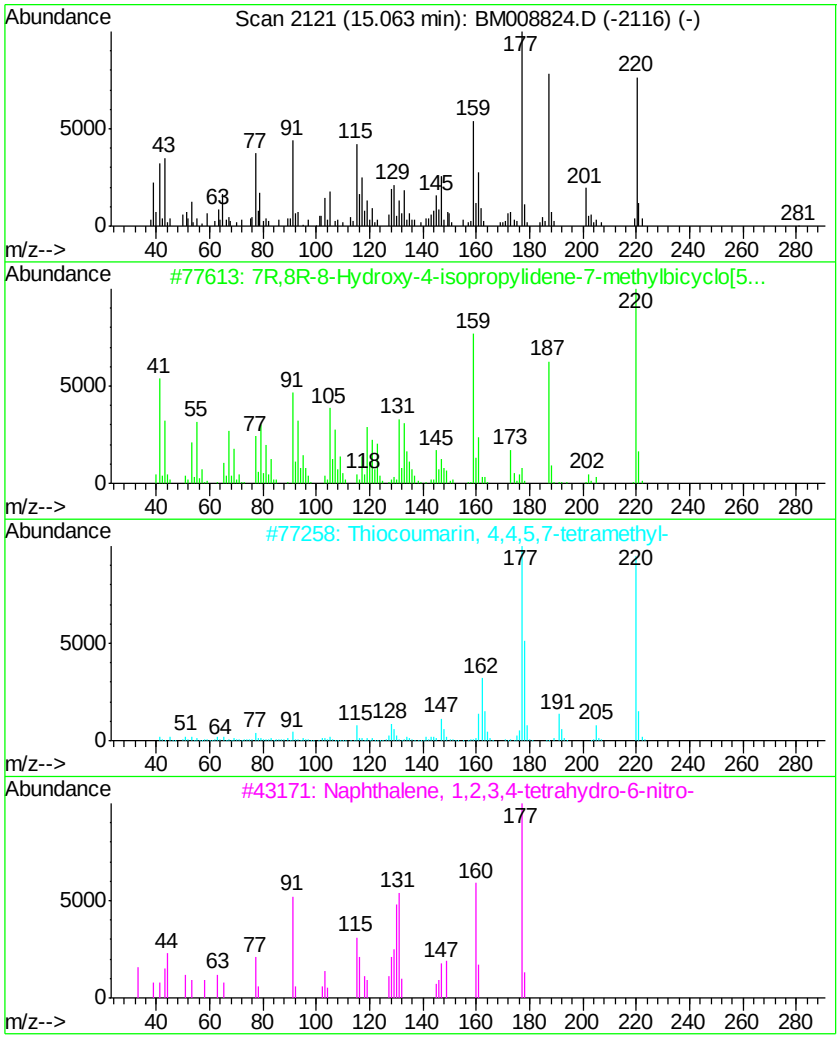
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

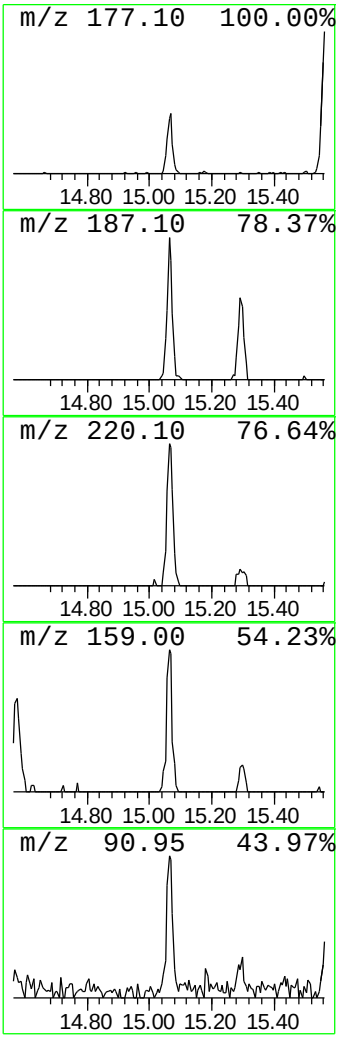
****

Peak Number 4 unknown-01 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	4.17 ng/ul	288775	Acenaphthene-d10	14.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7R,8R-8-Hydroxy-4-isopropylidene...	220	C15H24O	161362-94-3	38
2	Thiocoumarin, 4,4,5,7-tetramethyl-	220	C13H16OS	1000128-93-4	38
3	Naphthalene, 1,2,3,4-tetrahydro-...	177	C10H11NO2	019353-86-7	25
4	Phenmethylcynide, .alpha.,.alpha...	220	C11H12N2O3	1000128-94-6	15
5	Pyrazol-5-ol, 3-(3,4-dimethoxyph...	220	C11H12N2O3	1000268-84-7	15





Library Search Compound Report

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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012317.M
Quant Title : SVOA CALIBRATION

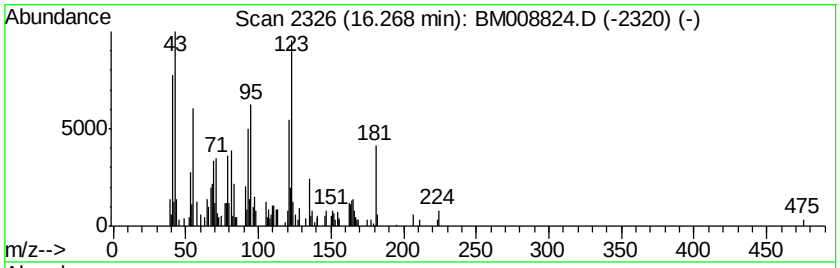
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

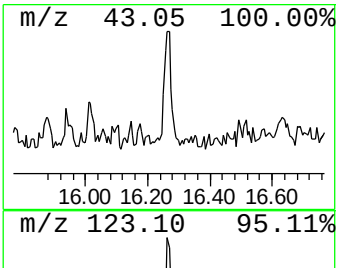
****

Peak Number 5 unknown-02 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.27	2.27 ng/ul	199537	Phenanthrene-d10	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone, 2-isopropylidene...	181	C9H15N3O	016983-64-5	43
2	2-Acetamido-4-methylphenyl acetate	207	C11H13NO3	1000373-46-9	42
3	Methanone, cyclopropyl(4-fluorop...	164	C10H9FO	000772-31-6	38
4	2-Cyclohexene-1-methanol, 2,6,6-...	154	C10H18O	006627-74-3	38
5	5-Acetamido-2-methylphenyl acetate	207	C11H13NO3	1000373-28-5	38





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Quant Title : SVOA CALIBRATION

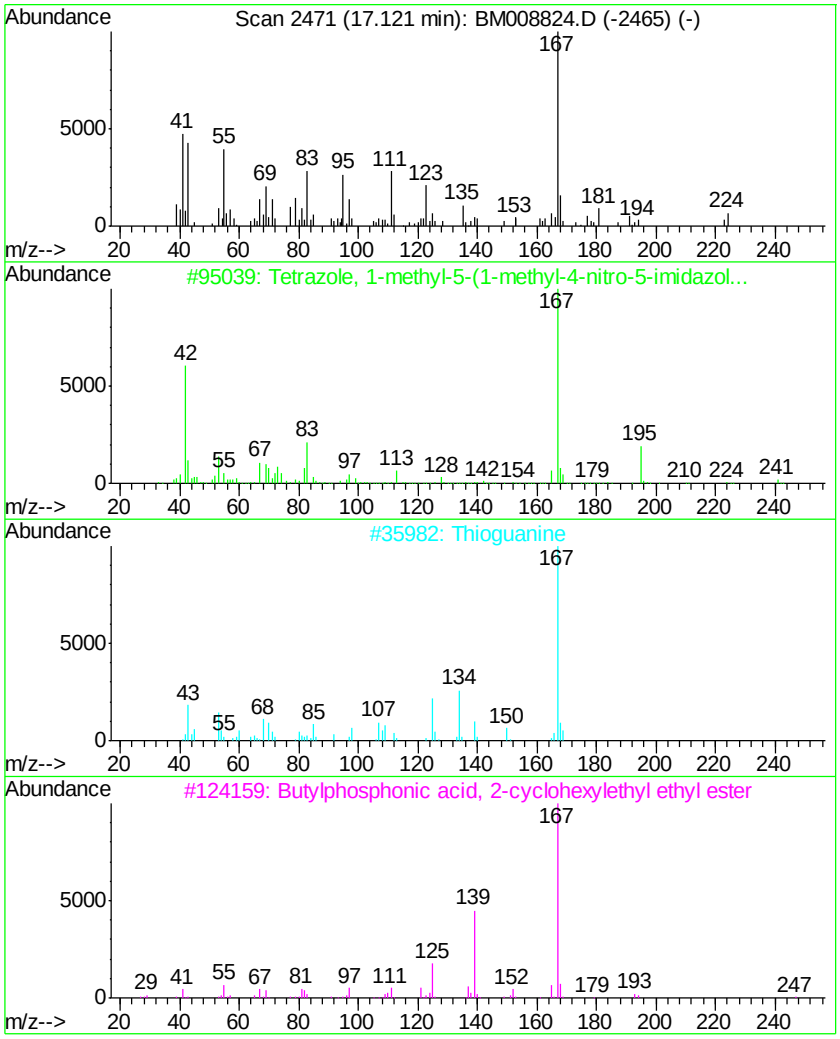
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

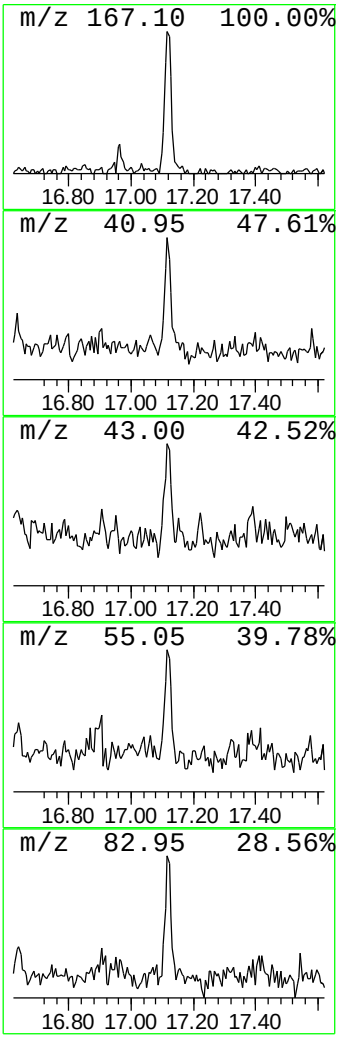
****

Peak Number 6 unknown-03 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.12	2.30 ng/ul	202273	Phenanthrene-d10	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetrazole, 1-methyl-5-(1-methyl-...	241	C6H7N7O2S	1000269-98-8	47
2	Thioguanine	167	C5H5N5S	000154-42-7	43
3	Butylphosphonic acid, 2-cyclohex...	276	C14H29O3P	1000323-20-5	43
4	2-Mercaptobenzothiazole	167	C7H5NS2	000149-30-4	43
5	Ethanone, 1-(2,6-dihydroxy-4-met...	182	C9H10O4	007507-89-3	40





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012317\
Data File : BM008824.D
Acq On : 24 Jan 2017 04:43
Operator : UM/SJ
Sample : I1323-13
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA9R5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012317.M
Quant Title : SVOA CALIBRATION

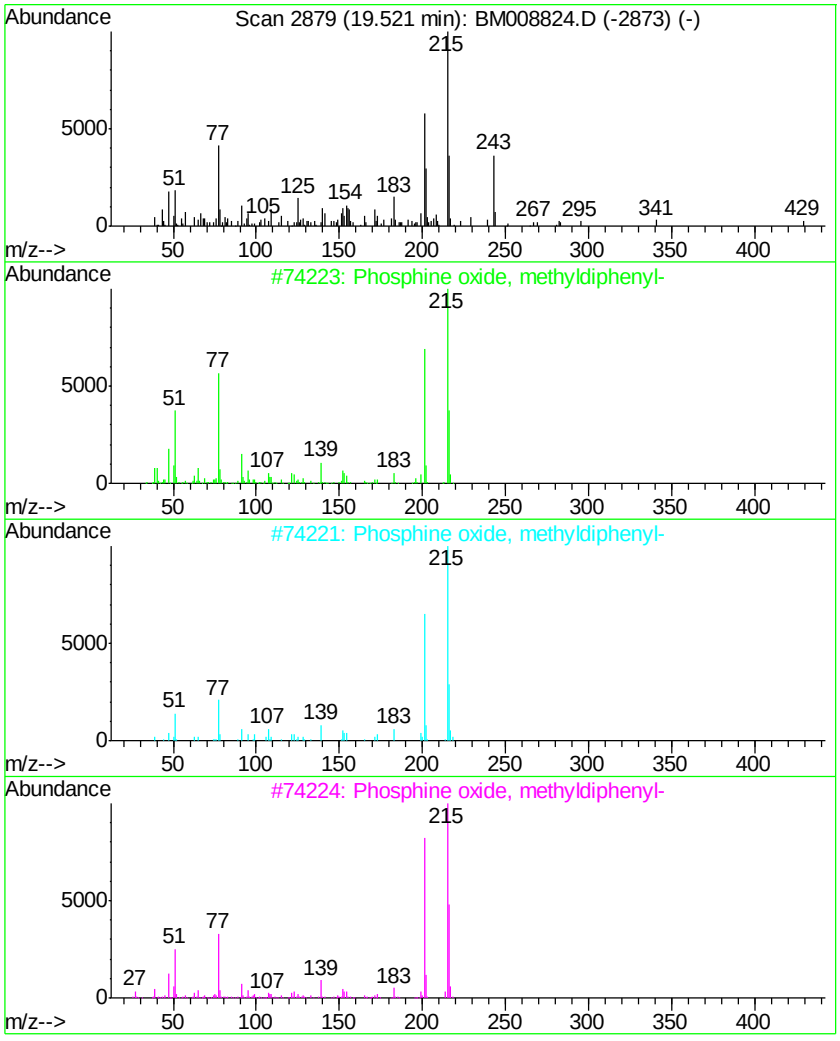
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

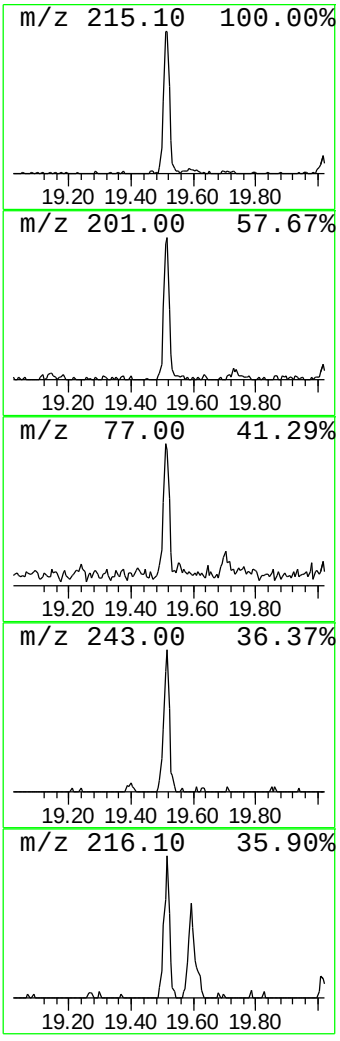
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.52	2.94 ng/ul	294599	Chrysene-d12	21.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphine oxide, methyldiphenyl-	216	C13H13OP	002129-89-7	70
2	Phosphine oxide, methyldiphenyl-	216	C13H13OP	002129-89-7	60
3	Phosphine oxide, methyldiphenyl-	216	C13H13OP	002129-89-7	58
4	Phosphine oxide, methyldiphenyl-	216	C13H13OP	002129-89-7	53
5	Phosphine oxide, [2-oxo-2-(4-mor...	329	C18H20NO3P	161990-44-9	53





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012317\
Data File : BM008824.D
Acq On : 24 Jan 2017 04:43
Operator : UM/SJ
Sample : I1323-13
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA9R5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012317.M
Quant Title : SVOA CALIBRATION

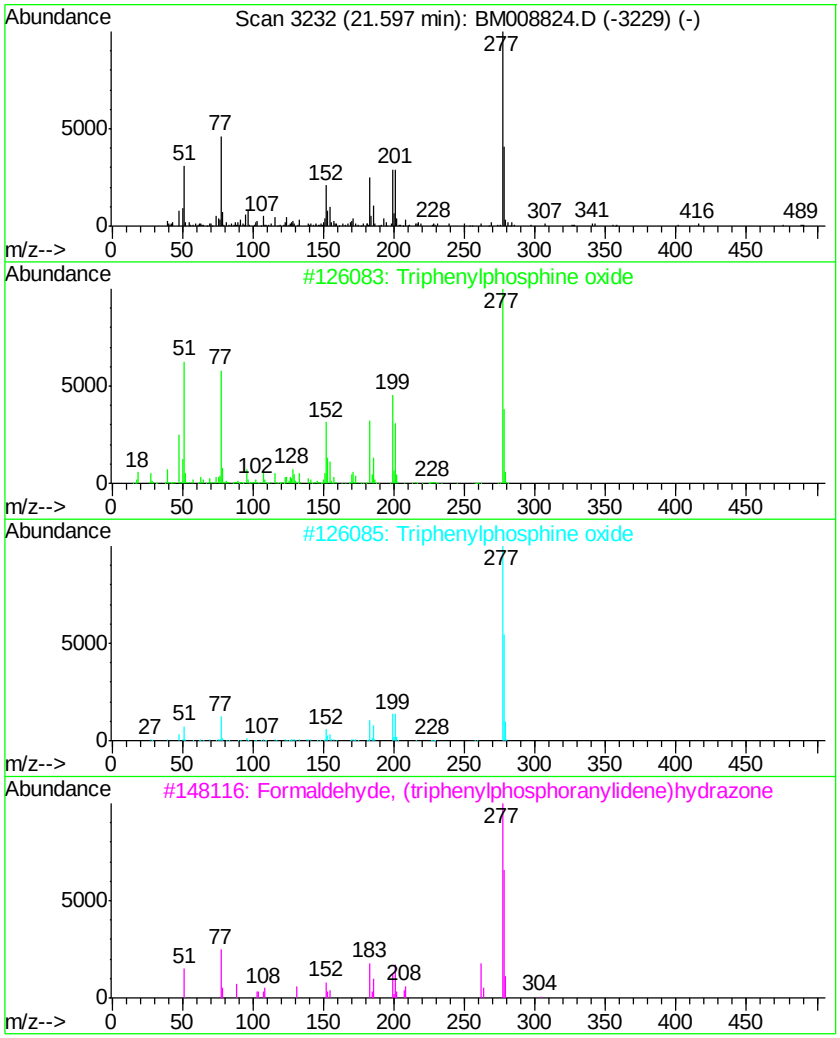
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

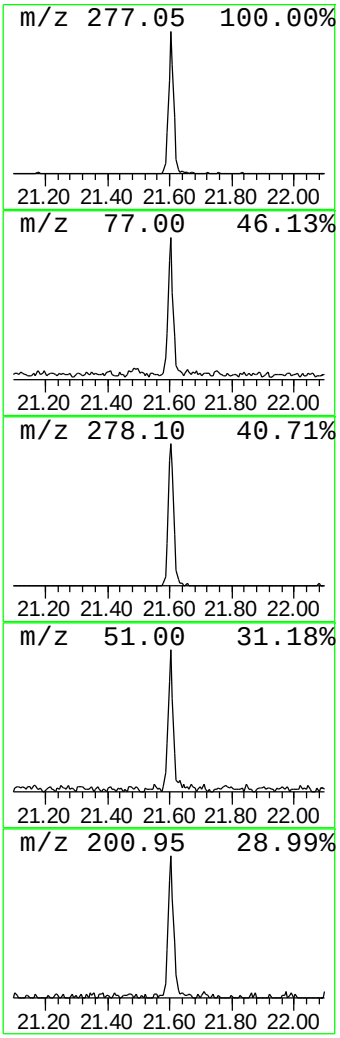
****

Peak Number 8 Triphenylphosphine oxide Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.60	4.11 ng/ul	411430	Chrysene-d12	21.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylphosphine oxide	278	C18H15OP	000791-28-6	94
2	Triphenylphosphine oxide	278	C18H15OP	000791-28-6	47
3	Formaldehyde, (triphenylphosphor...	304	C19H17N2P	015990-54-2	45
4	Triphenylphosphine oxide	278	C18H15OP	000791-28-6	43
5	4-Nitro-4'-methyldiphenylsulfone	277	C13H11NO4S	004094-37-5	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012317\
Data File : BM008824.D
Acq On : 24 Jan 2017 04:43
Operator : UM/SJ
Sample : I1323-13
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA9R5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012317.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
1-Oxa-4-azaspiro[...	9.72	5.8	ng/ul	317929	2	10.74	1099730	20.0
(DEL) Alkane: Cyc...	11.10	15.4	ng/ul	846722	2	10.74	1099730	20.0
1H-Cyclopropa[a]n...	13.73	2.7	ng/ul	184629	3	14.57	1384730	20.0
unknown-01	15.06	4.2	ng/ul	288775	3	14.57	1384730	20.0
unknown-02	16.27	2.3	ng/ul	199537	4	17.32	1757980	20.0
unknown-03	17.12	2.3	ng/ul	202273	4	17.32	1757980	20.0
Phosphine oxide, ...	19.52	2.9	ng/ul	294599	5	21.49	2004150	20.0
Triphenylphosphin...	21.60	4.1	ng/ul	411430	5	21.49	2004150	20.0