LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030316\
Data File : BM004553.D
Acq On : 04 Mar 2016 04:01
Operator : SJ/UM
Sample : H1616-14
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P010-SS003-01

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-BM030316.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	2.751	8	11	14	rVV	8387	8877	1.18%	0.089%
2	2.787	14	17	23	rVB	12907	16075	2.14%	0.161%
3	3.575	148	151	156	rBB	8236	9952	1.32%	0.100%
4	6.851	702	708	717	rBV	72938	135768	18.05%	1.362%
5	6.934	717	722	731	rVB	71528	108194	14.38%	1.085%
6	7.157	754	760	767	rBV	99595	154092	20.49%	1.546%
7	7.592	828	834	841	rBB	119215	179907	23.92%	1.805%
8	8.369	961	966	979	rBB	64631	114872	15.27%	1.152%
9	8.757	1026	1032	1041	rBB	93320	146974	19.54%	1.474%
10	9.057	1079	1083	1089	rBB	20094	27853	3.70%	0.279%
11	9.475	1148	1154	1162	rBB	81706	131776	17.52%	1.322%
12	10.074	1250	1256	1273	rBB	110935	213318	28.36%	2.140%
13	10.380	1301	1308	1313	rBV	190931	316921	42.14%	3.179%
14	10.427	1313	1316	1321	rVB	13152	18768	2.50%	0.188%
15	10.533	1328	1334	1355	rBV	62364	117935	15.68%	1.183%
16	12.057	1588	1593	1597	rBB	8328	12783	1.70%	0.128%
17	13.068	1761	1765	1769	rBV2	5667	7980	1.06%	0.080%
18	13.674	1862	1868	1872	rBV	273097	375416	49.91%	3.766%
19	13.721	1872	1876	1882	rVB	119529	165577	22.01%	1.661%
20	13.951	1908	1915	1926	rBB	318697	476009	63.29%	4.775%
21	14.151	1945	1949	1953	rBB	19704	24362	3.24%	0.244%
22	14.257	1961	1967	1974	rVB2	299541	460873	61.27%	4.623%
23	14.321	1974	1978	1984	rBB	8639	11670	1.55%	0.117%
24	14.662	2031	2036	2041	rBV2	33013	68892	9.16%	0.691%
25	14.774	2052	2055	2063	rVB5	6704	10236	1.36%	0.103%
26	15.109	2107	2112	2119	rVV	29071	38129	5.07%	0.382%
27	15.257	2131	2137	2143	rBV	432984	606830	80.68%	6.087%
28	15.315	2143	2147	2152	rVB3	23572	33580	4.46%	0.337%
29	15.415	2159	2164	2174	rBV	87429	139674	18.57%	1.401%
30	15.515	2174	2181	2186	rVB4	10964	25074	3.33%	0.252%
31	15.609	2194	2197	2203	rVB3	8653	12953	1.72%	0.130%
32	15.756	2220	2222	2230	rVB	5652	9830	1.31%	0.099%
33	15.974	2254	2259	2261	rBV	33659	49713	6.61%	0.499%
34	16.315	2312	2317	2324	rBV4	9328	21822	2.90%	0.219%

LSC Area Percent Report

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Operator : SJ/UM
Sample : H1616-14
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P010-SS003-01

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-BM030316.M
Title : SVOA CALIBRATION

35	16.374	2324	2327	2333	rVB2	5973	9400	1.25%	0.094%
36	16.556	2353	2358	2361	rBV2	9925	16150	2.15%	0.162%
37	16.680	2375	2379	2385	rVB2	8102	14256	1.90%	0.143%
38	16.780	2387	2396	2400	rBV	411540	553391	73.58%	5.551%
39	16.821	2400	2403	2409	rVB2	15854	25473	3.39%	0.256%
40	16.880	2409	2413	2422	rVB	98686	128156	17.04%	1.286%
41	16.974	2425	2429	2431	rBV3	8909	12348	1.64%	0.124%
42	17.015	2431	2436	2440	rBV	370666	525215	69.83%	5.268%
43	17.056	2440	2443	2448	rVB	163983	206722	27.48%	2.074%
44	17.115	2448	2453	2457	rBV	436880	615202	81.79%	6.171%
45	17.503	2516	2519	2523	rBV	18154	19104	2.54%	0.192%
46	17.809	2567	2571	2577	rBV6	15106	30803	4.10%	0.309%
47	17.892	2581	2585	2587	rVV	28173	43031	5.72%	0.432%
48	17.939	2587	2593	2601	rVV2	54264	130300	17.32%	1.307%
49	18.027	2604	2608	2611	rVV	16953	27813	3.70%	0.279%
50	18.086	2613	2618	2622	rVV2	41667	73339	9.75%	0.736%
51	18.121	2622	2624	2632	rVB	20279	28619	3.80%	0.287%
52	18.197	2634	2637	2642	rVB3	17133	21019	2.79%	0.211%
53	18.397	2667	2671	2674	rBV	18166	24318	3.23%	0.244%
54	18.821	2739	2743	2744	rBV	18677	24156	3.21%	0.242%
55	19.086	2783	2788	2794	rVB	268389	358904	47.72%	3.600%
56	19.421	2840	2845	2849	rBV	475942	752142	100.00%	7.545%
57	19.450	2849	2850	2858	rVB	226538	224412	29.84%	2.251%
58	19.956	2933	2936	2941	rVB2	42142	54887	7.30%	0.551%
59	20.056	2949	2953	2956	rBV	26513	33189	4.41%	0.333%
60	21.227	3146	3152	3156	rBV2	357985	569294	75.69%	5.710%
61	21.262	3156	3158	3163	rVB	92960	101399	13.48%	1.017%
62	21.685	3227	3230	3234	rBV	58160	102567	13.64%	1.029%
63	21.780	3244	3246	3251	rVB2	52566	61079	8.12%	0.613%
64	22.262	3325	3328	3333	rVB	54490	68201	9.07%	0.684%
65	22.780	3412	3416	3421	rBV	71161	155046	20.61%	1.555%
66	23.303	3500	3505	3510	rBV	213693	369632	49.14%	3.708%
67	23.438	3523	3528	3534	rBV2	182351	337039	44.81%	3.381%

Sum of corrected areas: 9969291

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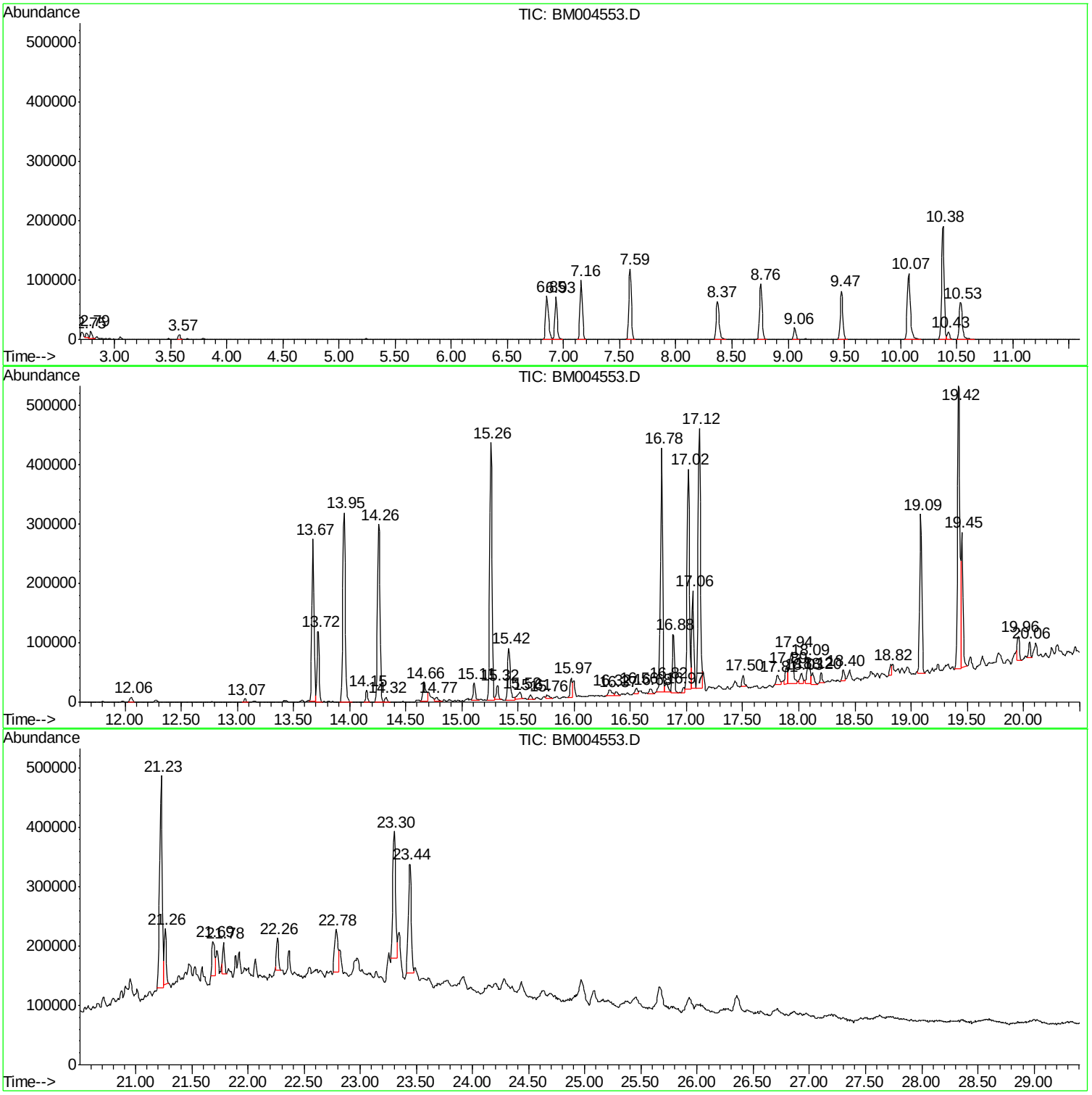
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P010-SS003-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM030316.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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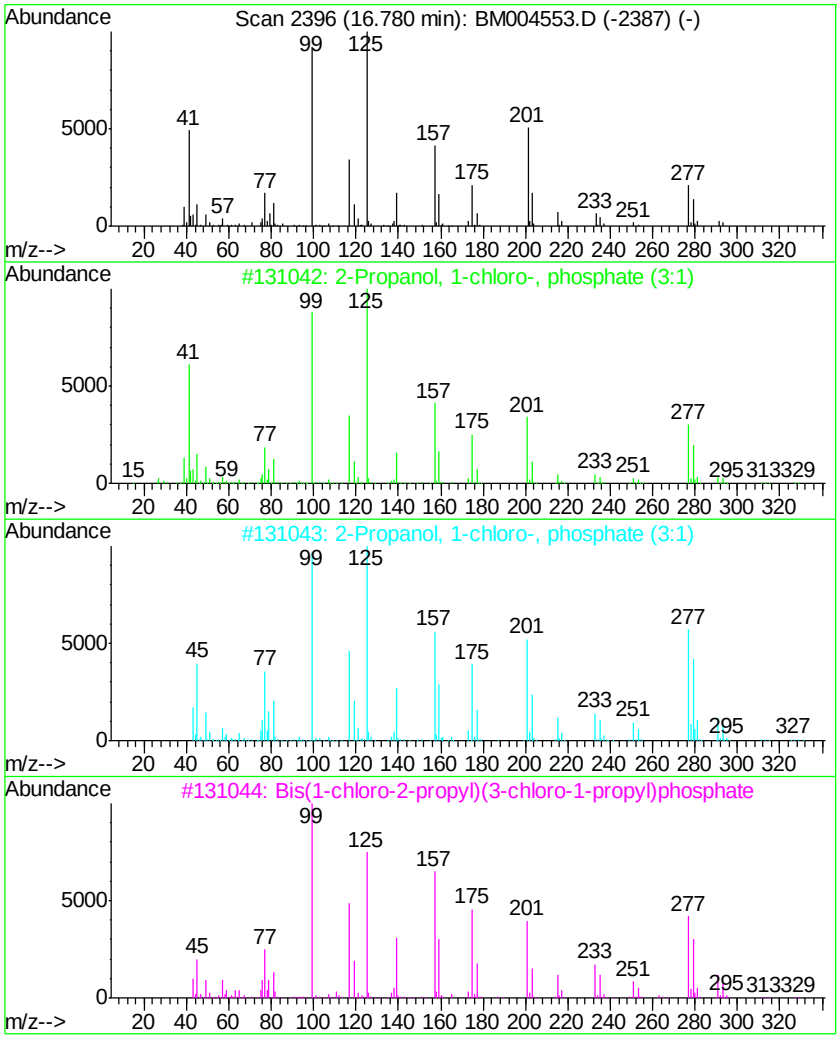
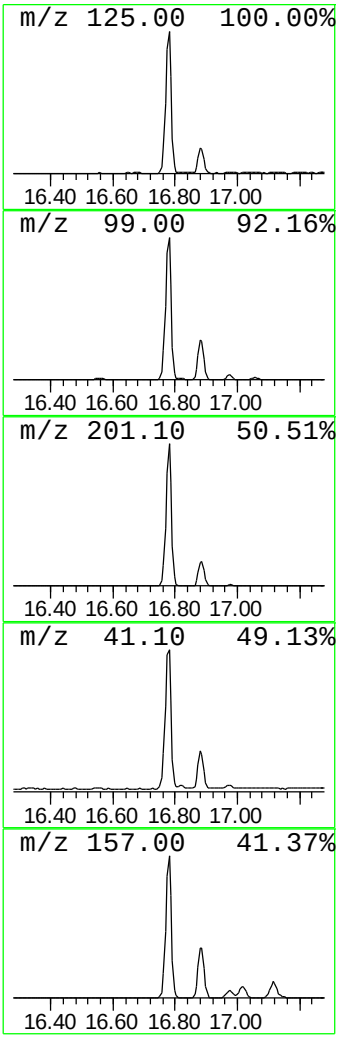
****

Peak Number 1 2-Propanol, 1-chloro-, phos... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.78	21.07 ng/ul	553391	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	90
2	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	58
3	Bis(1-chloro-2-propyl)(3-chloro-...	326	C9H18Cl3O4P	137909-40-1	47
4	Bis(3-chloro-1-propyl)(1-chloro-...	326	C9H18Cl3O4P	137888-35-8	32
5	4-Chloro-2-nitrobenzoic acid	201	C7H4ClNO4	006280-88-2	22





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030316\
Data File : BM004553.D
Acq On : 04 Mar 2016 04:01
Operator : SJ/UM
Sample : H1616-14
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P010-SS003-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM030316.M
Quant Title : SVOA CALIBRATION

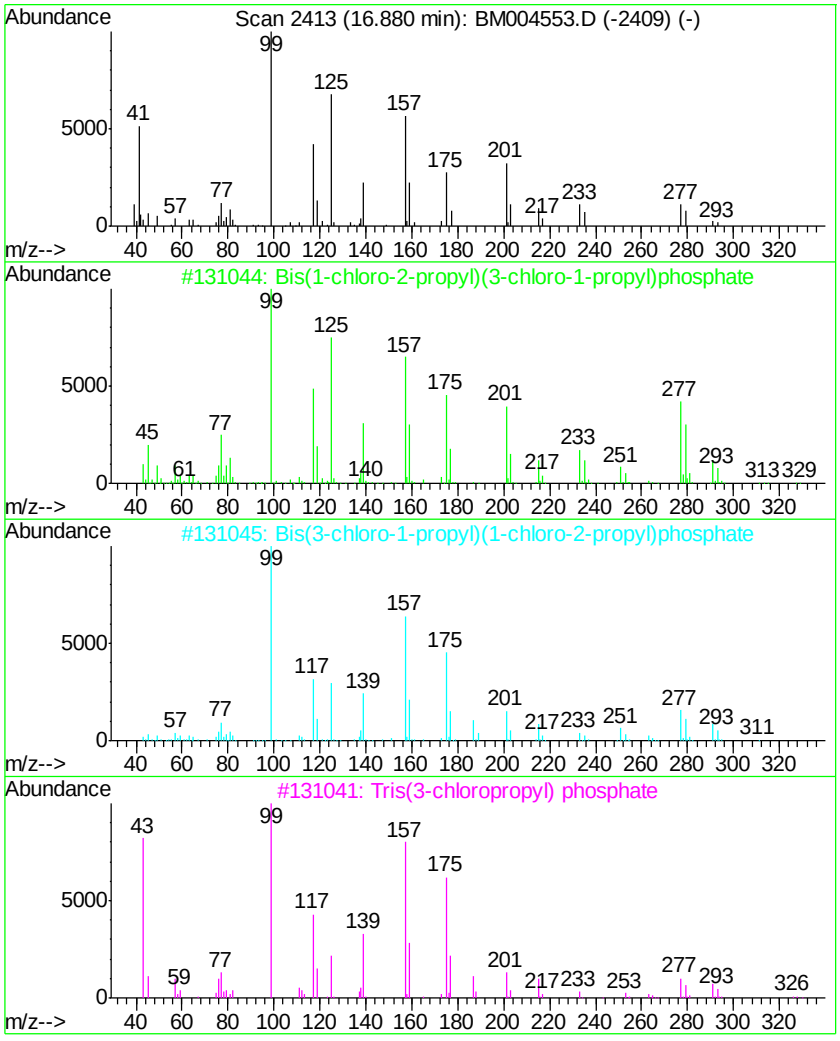
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

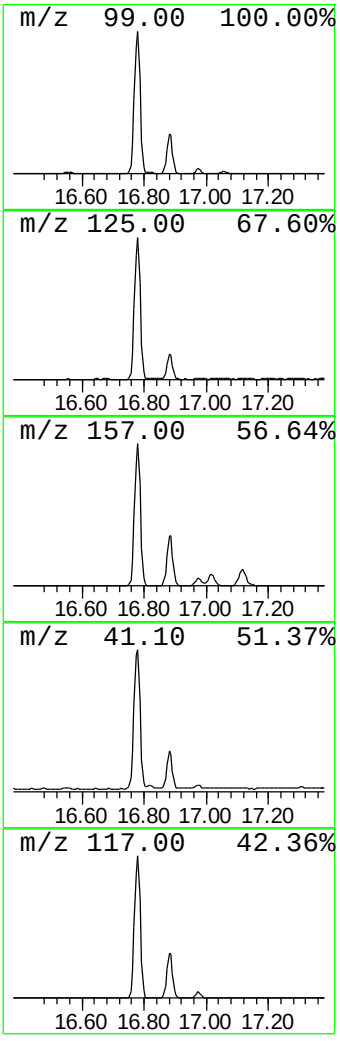
****

Peak Number 2 Bis(1-chloro-2-propyl)(3-ch... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.88	4.88 ng/ul	128156	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bis(1-chloro-2-propyl)(3-chloro-...	326	C9H18Cl3O4P	137909-40-1	83
2	Bis(3-chloro-1-propyl)(1-chloro-...	326	C9H18Cl3O4P	137888-35-8	45
3	Tris(3-chloropropyl) phosphate	326	C9H18Cl3O4P	001067-98-7	45
4	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	40
5	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	37





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Operator : SJ/UM
Sample : H1616-14
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P010-SS003-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM030316.M
Quant Title : SVOA CALIBRATION

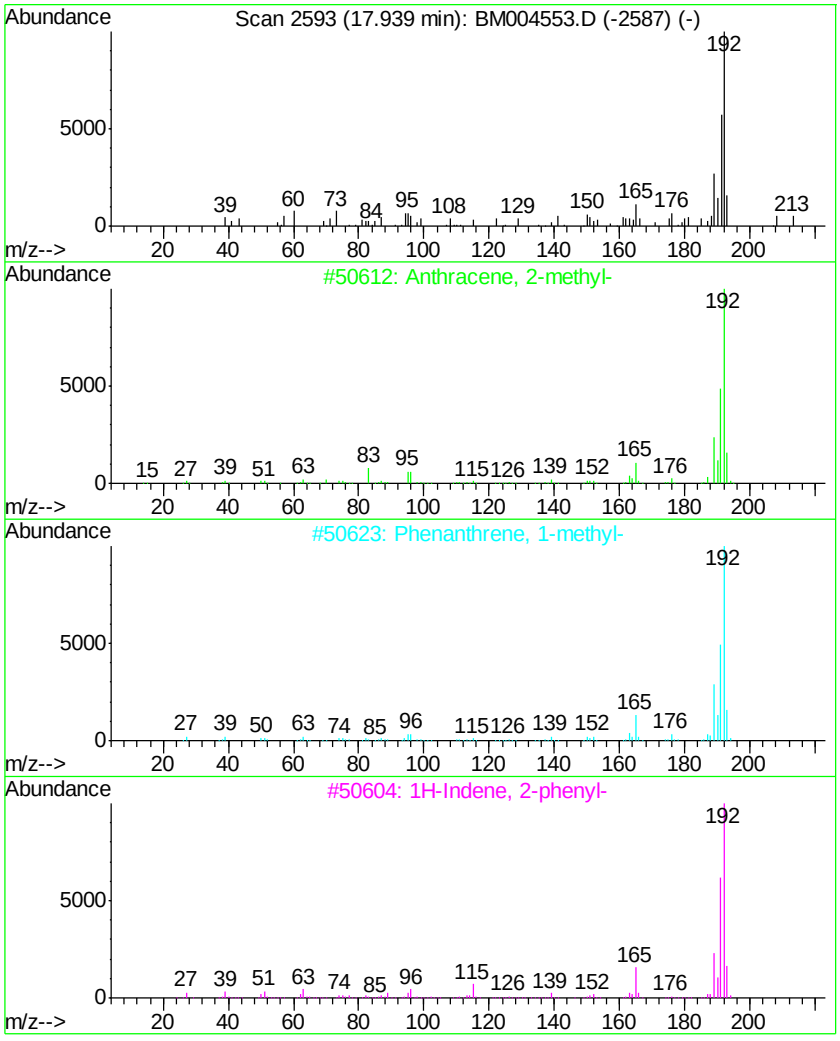
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

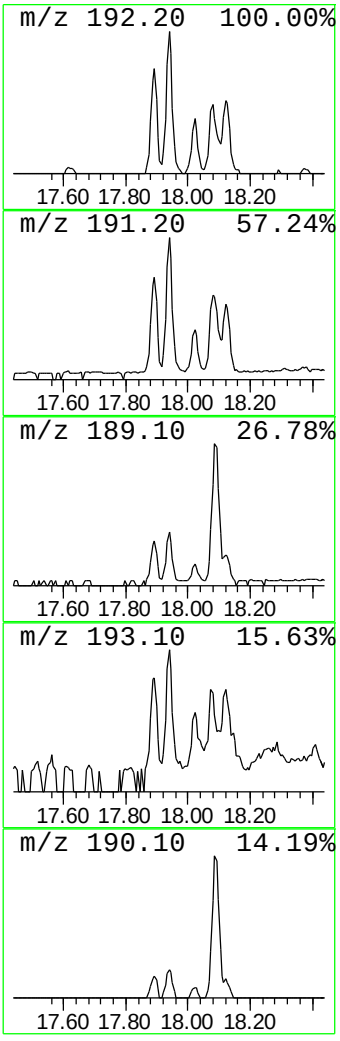
****

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	4.96 ng/ul	130300	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-9	89





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ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P010-SS003-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM030316.M
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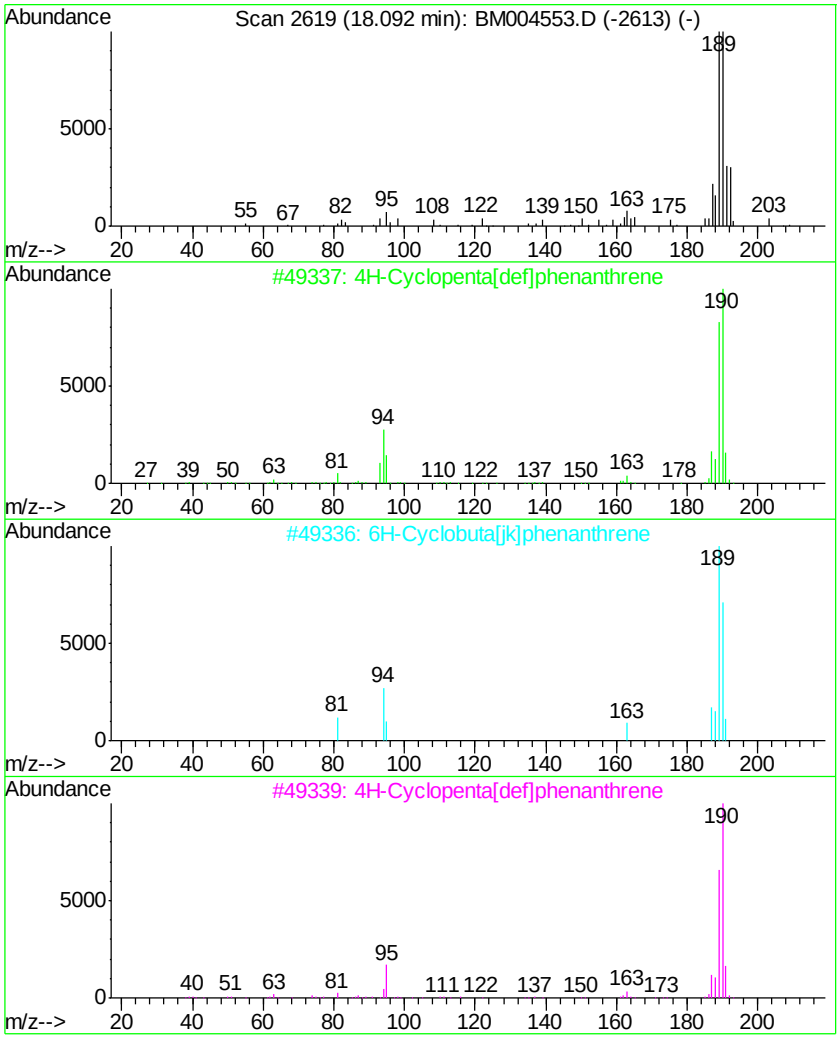
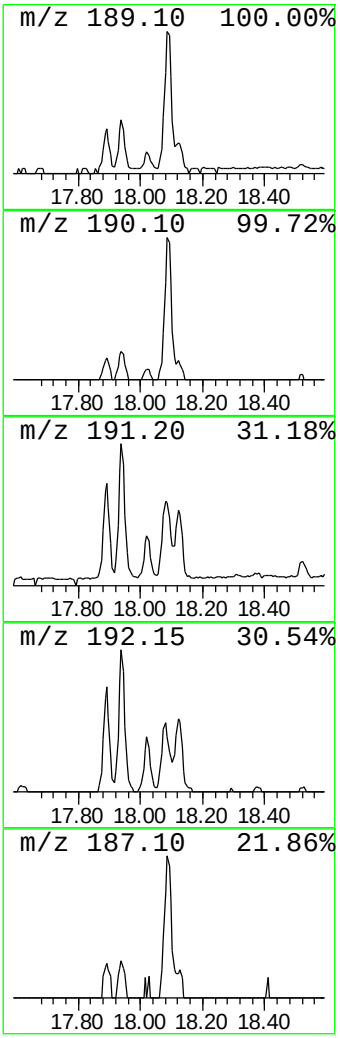
Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	2.79 ng/ul	73339	Phenanthrene-d10	17.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	46





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Operator : SJ/UM
Sample : H1616-14
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P010-SS003-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM030316.M
Quant Title : SVOA CALIBRATION

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

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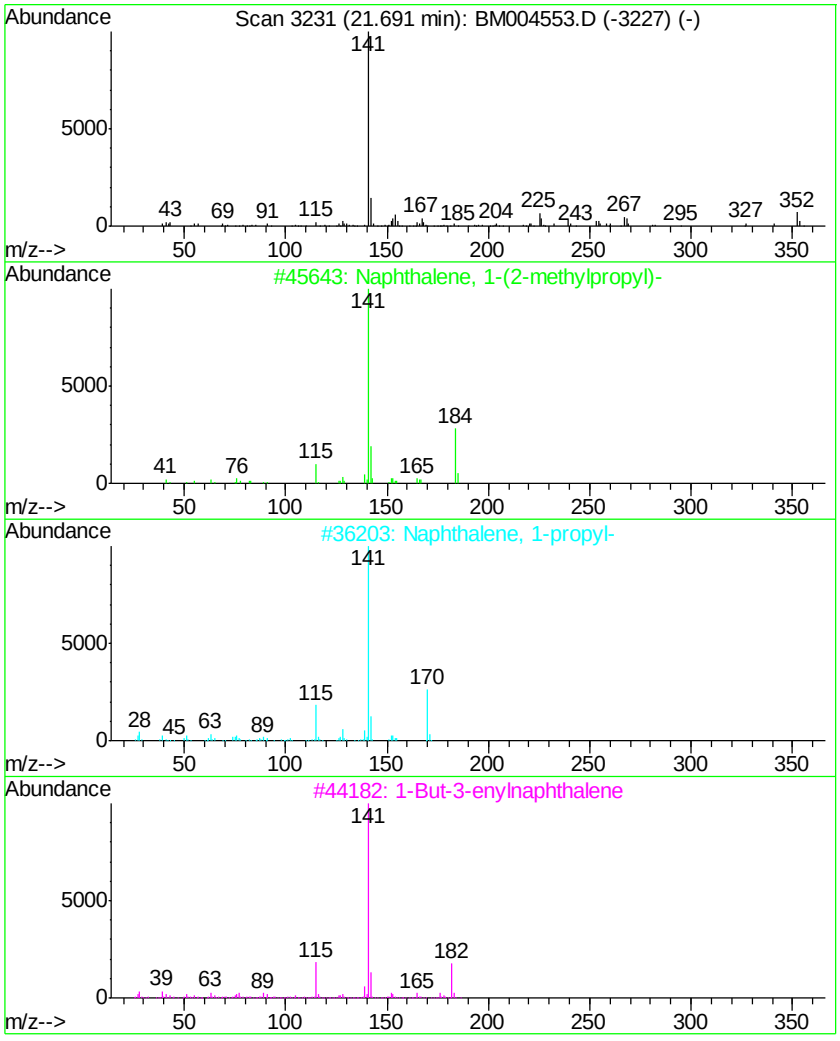
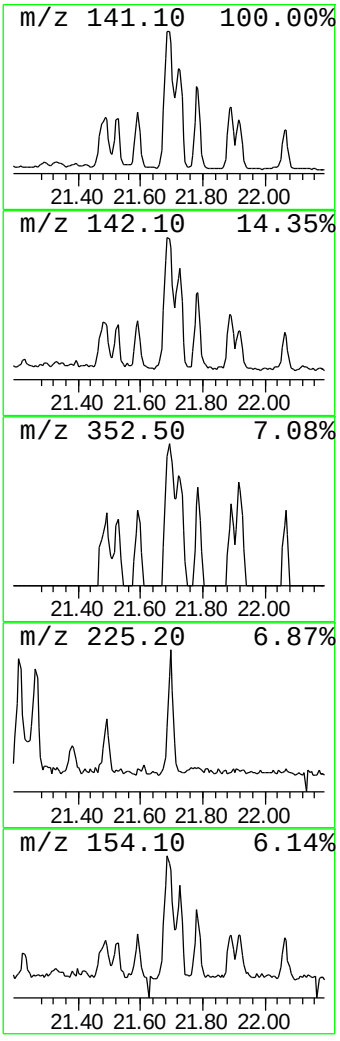
Peak Number 5 Naphthalene, 1-(2-methylpro... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.69	3.60 ng/ul	102567	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-(2-methylpropyl)-	184	C14H16	016727-91-6	59
2	Naphthalene, 1-propyl-	170	C13H14	002765-18-6	45
3	1-But-3-enylnaphthalene	182	C14H14	002489-88-5	45
4	Naphthalene, 2-butyl-	184	C14H16	001134-62-9	40
5	1-[5-Nitro-6-uracilyl]-2-[2-chlo...	293	C12H8ClN3O4	296798-53-3	33





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ClientSampleId : P010-SS003-01

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Quant Title : SVOA CALIBRATION

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

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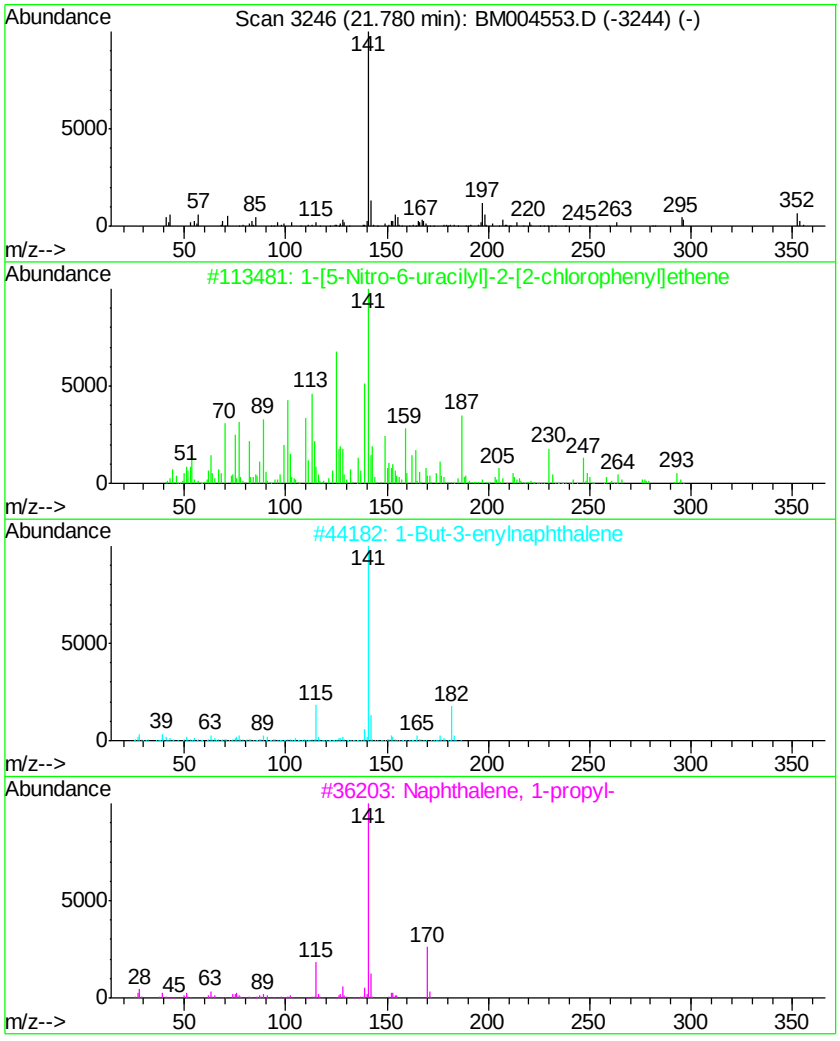
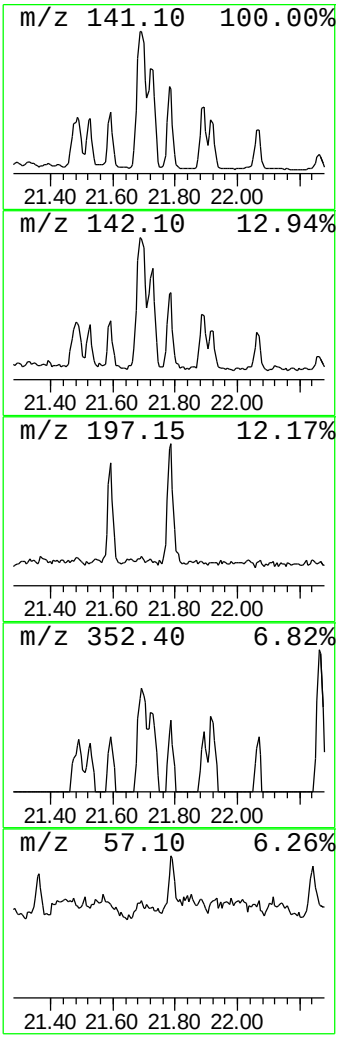
Peak Number 6 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.78	2.15 ng/ul	61079	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-[5-Nitro-6-uracilyl]-2-[2-chlo...	293	C12H8ClN3O4	296798-53-3	47
2	1-But-3-enylnaphthalene	182	C14H14	002489-88-5	42
3	Naphthalene, 1-propyl-	170	C13H14	002765-18-6	42
4	Naphthalene, 1-(2-methylpropyl)-	184	C14H16	016727-91-6	38
5	2,6-Difluorobenzoic acid, 4-meth...	242	C13H16F2O2	1000293-47-8	36





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030316\
Data File : BM004553.D
Acq On : 04 Mar 2016 04:01
Operator : SJ/UM
Sample : H1616-14
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P010-SS003-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM030316.M
Quant Title : SVOA CALIBRATION

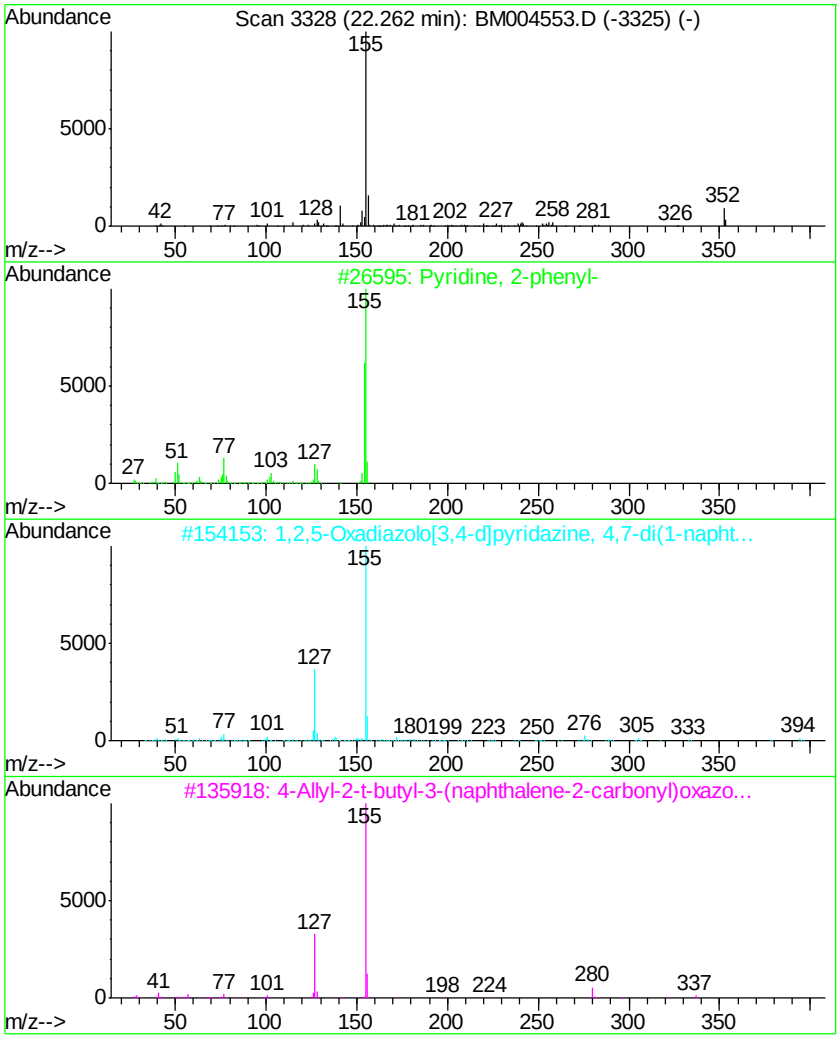
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

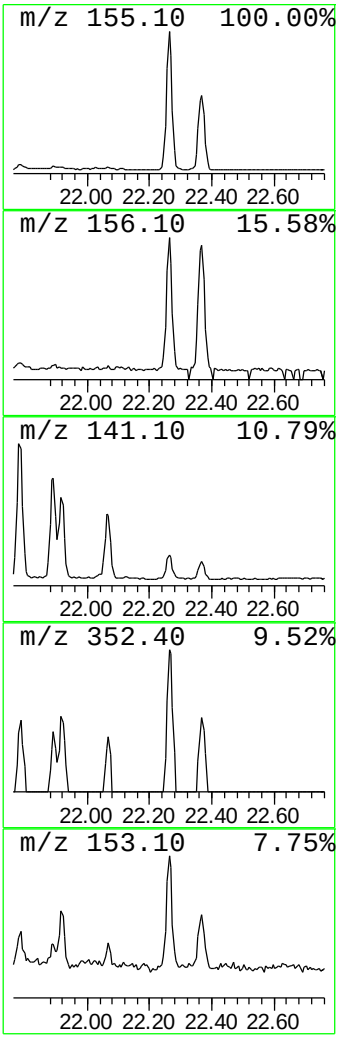
****

Peak Number 7 Pyridine, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.26	2.40 ng/ul	68201	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 2-phenyl-	155	C11H9N	001008-89-5	53
2	1,2,5-Oxadiazolo[3,4-d]pyridazin...	390	C24H14N4O2	1000276-89-8	36
3	4-Allyl-2-t-butyl-3-(naphthalene...	337	C21H23NO3	1000191-58-6	36
4	Decanoic anhydride	326	C20H38O3	002082-76-0	36
5	d-Mannitol, 1-(4-amino-2-oxo-1(2...	257	C10H15N3O5	035823-84-8	36





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030316\
Data File : BM004553.D
Acq On : 04 Mar 2016 04:01
Operator : SJ/UM
Sample : H1616-14
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P010-SS003-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM030316.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
2-Propanol, 1-chl...	16.78	21.1	ng/ul	553391	4	17.02	525215	20.0
Bis(1-chloro-2-pr...	16.88	4.9	ng/ul	128156	4	17.02	525215	20.0
Anthracene, 2-met...	17.94	5.0	ng/ul	130300	4	17.02	525215	20.0
4H-Cyclopenta[def...	18.09	2.8	ng/ul	73339	4	17.02	525215	20.0
Naphthalene, 1-(2...	21.69	3.6	ng/ul	102567	5	21.23	569294	20.0
unknown-01	21.78	2.1	ng/ul	61079	5	21.23	569294	20.0
Pyridine, 2-phenyl-	22.26	2.4	ng/ul	68201	5	21.23	569294	20.0