LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008300.D
Acq On : 14 Dec 2016 08:24
Operator : UM/SJ
Sample : H5976-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8P0

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-2016\SOM02.2-EPA-BM121416.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	6.875	724	729	744	rVB	55010	126879	3.71%	0.327%
2	7.016	748	753	765	rBV	323572	549009	16.04%	1.413%
3	7.216	780	787	805	rBV	334685	613694	17.93%	1.580%
4	7.675	858	865	878	rBV	471406	819637	23.94%	2.110%
5	8.392	981	987	1002	rVB	224077	426602	12.46%	1.098%
6	8.834	1056	1062	1075	rBV	433041	797897	23.31%	2.054%
7	9.010	1087	1092	1101	rVB	70707	119919	3.50%	0.309%
8	9.134	1106	1113	1119	rBV2	28688	52382	1.53%	0.135%
9	9.204	1120	1125	1134	rVB2	33782	61046	1.78%	0.157%
10	9.551	1176	1184	1197	rBV	355505	657393	19.20%	1.692%
11	9.863	1231	1237	1242	rBV6	18812	40489	1.18%	0.104%
12	9.951	1247	1252	1255	rBV3	21684	35914	1.05%	0.092%
13	10.092	1270	1276	1297	rBV	358502	898008	26.23%	2.312%
14	10.445	1328	1336	1350	rVB	657276	1128797	32.97%	2.906%
15	10.639	1362	1369	1375	rBV5	15139	39451	1.15%	0.102%
16	12.016	1597	1603	1609	rBV	83029	139723	4.08%	0.360%
17	12.322	1647	1655	1663	rBV3	36451	84375	2.46%	0.217%
18	13.639	1873	1879	1887	rBV6	18102	34368	1.00%	0.088%
19	13.727	1887	1894	1908	rVV	992242	1547557	45.20%	3.984%
20	13.863	1913	1917	1920	rBV	26259	38756	1.13%	0.100%
21	14.004	1934	1941	1958	rVB	1159394	1862518	54.40%	4.795%
22	14.310	1987	1993	1999	rBV	998516	1435180	41.92%	3.695%
23	14.374	1999	2004	2013	rVB	1582195	2343174	68.44%	6.032%
24	14.621	2038	2046	2053	rBV4	52904	123493	3.61%	0.318%
25	15.057	2115	2120	2126	rVB2	31169	52208	1.52%	0.134%
26	15.310	2153	2163	2168	rBV	1593824	2264722	66.15%	5.830%
27	15.368	2168	2173	2181	rVB	450587	647634	18.92%	1.667%
28	15.468	2185	2190	2198	rBV	409318	717762	20.97%	1.848%
29	15.533	2198	2201	2206	rVB6	25800	49032	1.43%	0.126%
30	15.774	2236	2242	2245	rBV5	18897	36708	1.07%	0.094%
31	15.815	2245	2249	2254	rVB2	60382	90268	2.64%	0.232%
32	15.892	2259	2262	2269	rVB3	20960	35422	1.03%	0.091%
33	16.051	2283	2289	2300	rVB2	123939	226790	6.62%	0.584%
34	16.163	2300	2308	2314	rBV3	38834	62106	1.81%	0.160%

LSC Area Percent Report

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Data File : BM008300.D
Acq On : 14 Dec 2016 08:24
Operator : UM/SJ
Sample : H5976-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8P0

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-2016\SOM02.2-EPA-BM121416.M
Title : SVOA CALIBRATION

35	16.315	2329	2334	2340	rBV2	86426	125785	3.67%	0.324%
36	16.374	2340	2344	2351	rVV5	26039	53786	1.57%	0.138%
37	16.715	2396	2402	2409	rVB6	25413	57069	1.67%	0.147%
38	16.862	2422	2427	2434	rBV	118911	198240	5.79%	0.510%
39	16.974	2441	2446	2448	rBV2	59280	87574	2.56%	0.225%
40	17.062	2453	2461	2472	rVB2	1234219	1933157	56.47%	4.977%
41	17.162	2472	2478	2486	rBV2	1712938	2579412	75.34%	6.640%
42	17.221	2486	2488	2494	rVV	45654	82469	2.41%	0.212%
43	17.274	2494	2497	2501	rVB3	29391	40966	1.20%	0.105%
44	17.439	2519	2525	2537	rBV2	1000936	1455787	42.52%	3.748%
45	17.562	2543	2546	2550	rBV	33856	43403	1.27%	0.112%
46	17.604	2550	2553	2562	rVB8	36306	80408	2.35%	0.207%
47	17.733	2567	2575	2579	rBV3	73615	186782	5.46%	0.481%
48	17.786	2579	2584	2588	rVV2	62227	103256	3.02%	0.266%
49	17.827	2588	2591	2596	rVB4	44482	67131	1.96%	0.173%
50	17.915	2601	2606	2611	rVB	135693	185561	5.42%	0.478%
51	17.998	2616	2620	2623	rBV	56896	82740	2.42%	0.213%
52	18.074	2629	2633	2639	rVV	168261	251530	7.35%	0.648%
53	18.145	2640	2645	2650	rVB5	39977	66514	1.94%	0.171%
54	18.239	2656	2661	2665	rBV	105312	195204	5.70%	0.503%
55	18.345	2675	2679	2682	rBV	31698	44384	1.30%	0.114%
56	18.404	2684	2689	2695	rVV4	59227	129737	3.79%	0.334%
57	18.462	2695	2699	2705	rVB	42379	66445	1.94%	0.171%
58	18.533	2705	2711	2716	rBV8	18792	40372	1.18%	0.104%
59	18.668	2730	2734	2742	rBV3	36238	61466	1.80%	0.158%
60	18.827	2757	2761	2766	rBV6	22848	45508	1.33%	0.117%
61	19.098	2802	2807	2816	rBV3	74141	165131	4.82%	0.425%
62	19.245	2826	2832	2842	rVB3	37064	81769	2.39%	0.210%
63	19.462	2862	2869	2876	rBV	2190484	3212524	93.84%	8.270%
64	19.827	2927	2931	2933	rBV2	34697	44844	1.31%	0.115%
65	19.903	2939	2944	2955	rVB	166636	307218	8.97%	0.791%
66	20.456	3033	3038	3044	rBV	53092	104007	3.04%	0.268%
67	20.580	3055	3059	3062	rBV3	84518	136362	3.98%	0.351%
68	21.262	3170	3175	3184	rBV	1924648	2487371	72.65%	6.403%
69	23.350	3523	3530	3542	rVB2	1809195	3423562	100.00%	8.813%
70	23.491	3548	3554	3564	rVB	1266283	2458912	71.82%	6.330%

LSC Area Percent Report

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Data File : BM008300.D
Acq On : 14 Dec 2016 08:24
Operator : UM/SJ
Sample : H5976-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA8P0

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
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Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Title : SVOA CALIBRATION

Sum of corrected areas: 38845299

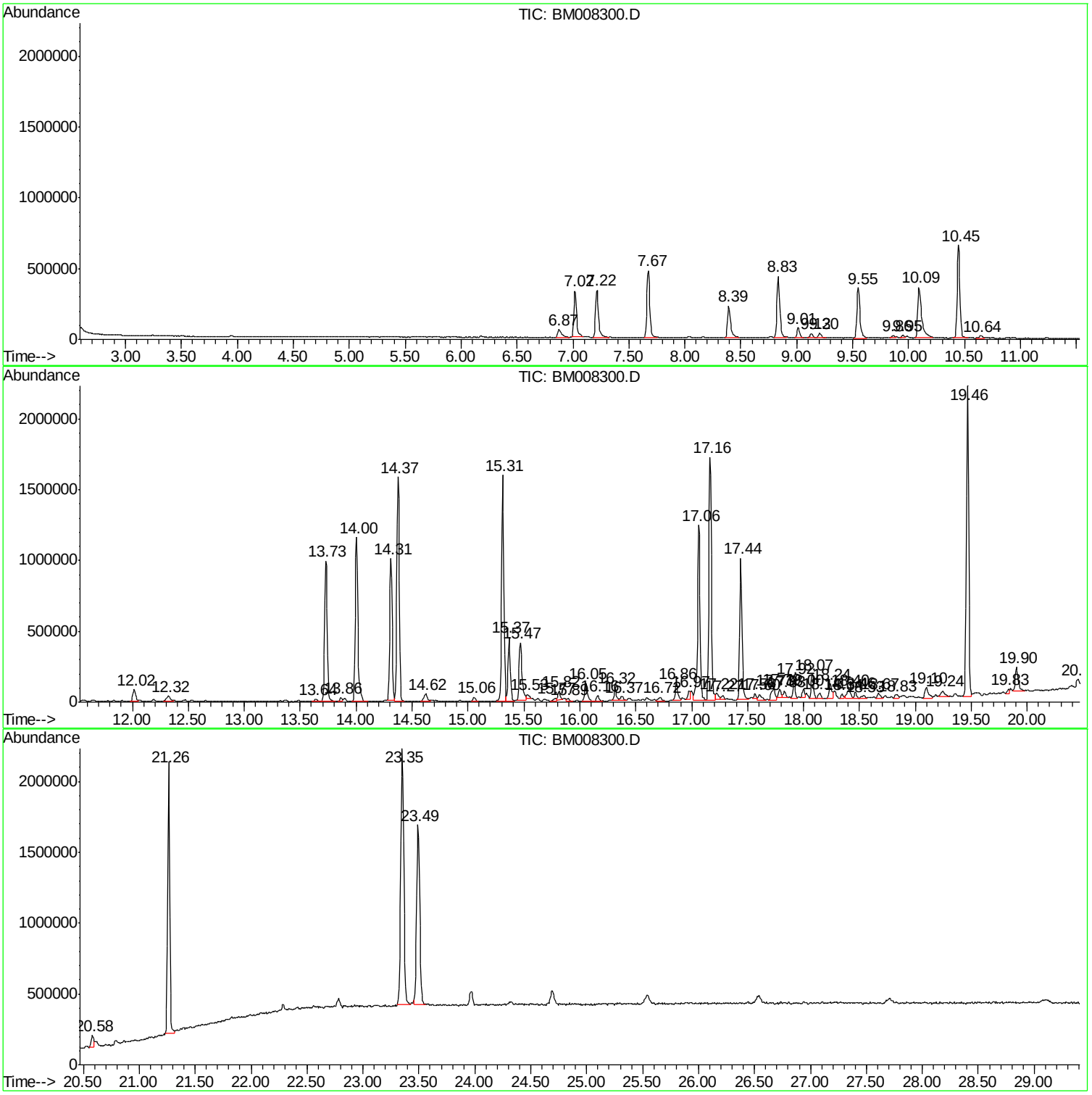
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008300.D
Acq On : 14 Dec 2016 08:24
Operator : UM/SJ
Sample : H5976-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008300.D
Acq On : 14 Dec 2016 08:24
Operator : UM/SJ
Sample : H5976-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

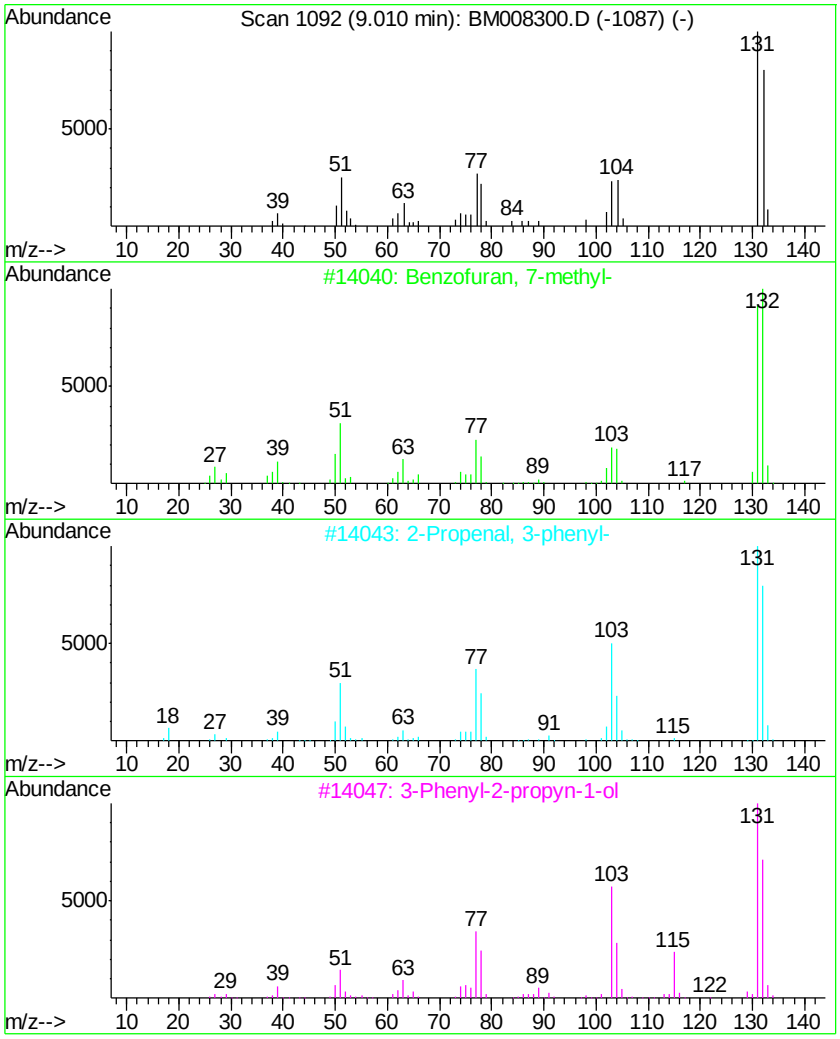
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

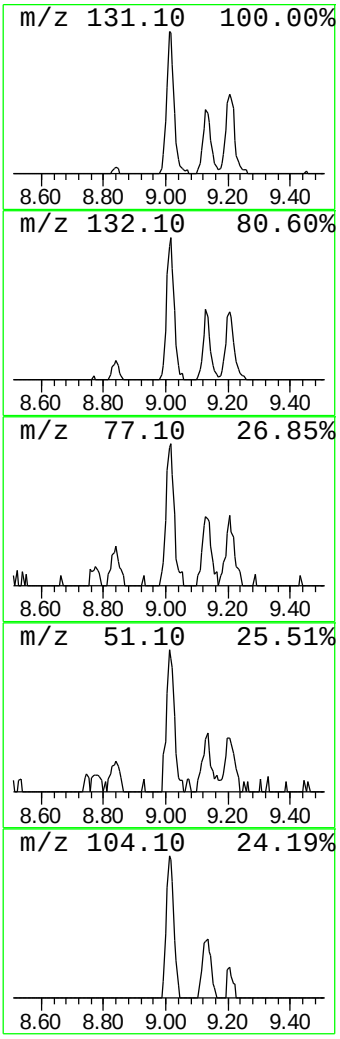
****

Peak Number 1 Benzofuran, 7-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.01	2.93 ng/ul	119919	1,4-Dichlorobenzene-d4	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	94
2	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	93
3	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91
4	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91
5	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	90





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008300.D
Acq On : 14 Dec 2016 08:24
Operator : UM/SJ
Sample : H5976-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

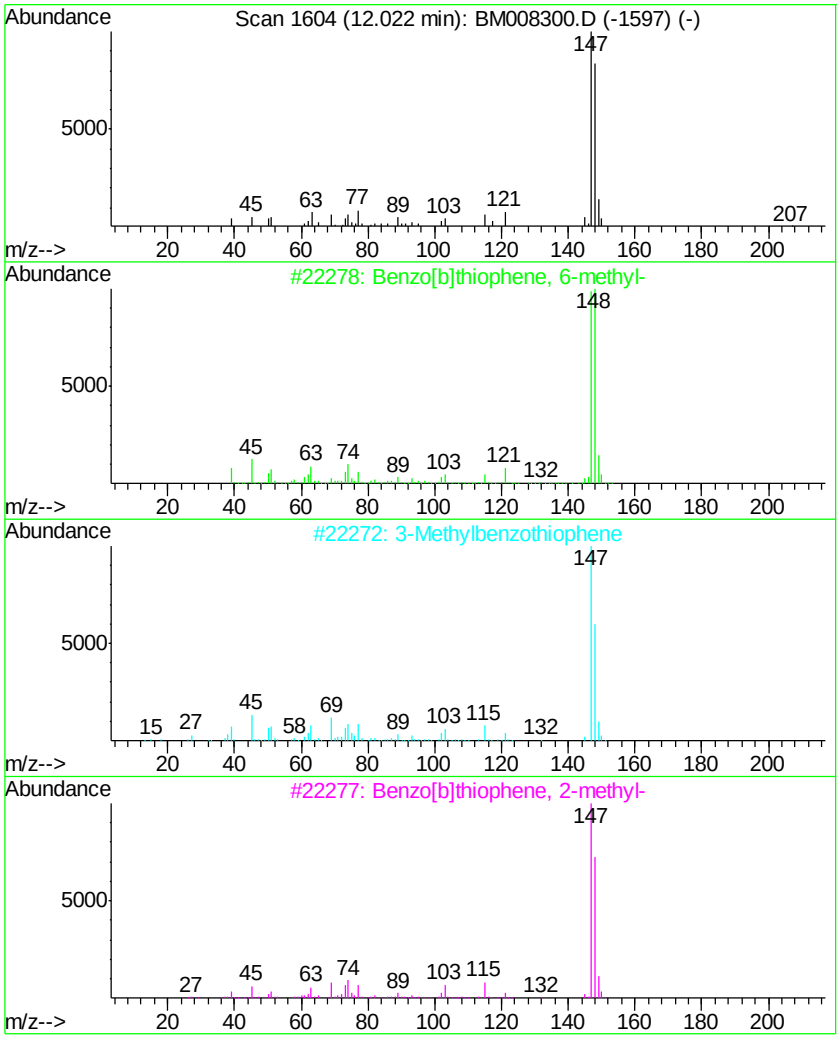
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

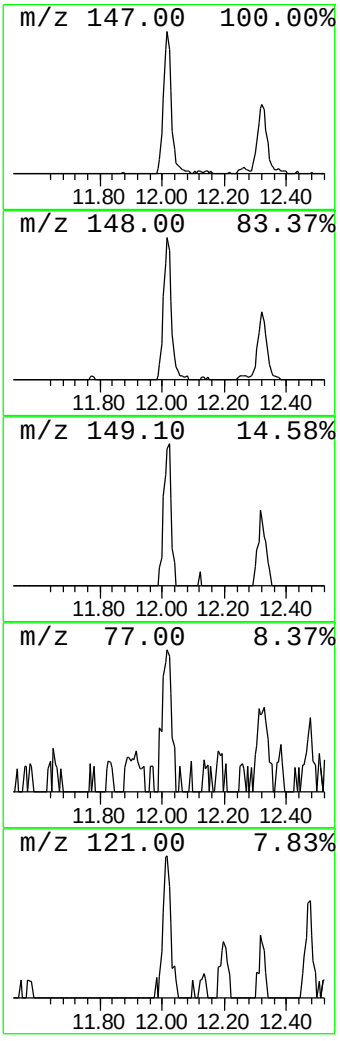
****

Peak Number 2 Benzo[b]thiophene, 6-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	2.48 ng/ul	139723	Naphthalene-d8	10.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	91
2	3-Methylbenzothiophene	148	C9H8S	001455-18-1	91
3	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	90
4	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	90
5	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008300.D
Acq On : 14 Dec 2016 08:24
Operator : UM/SJ
Sample : H5976-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

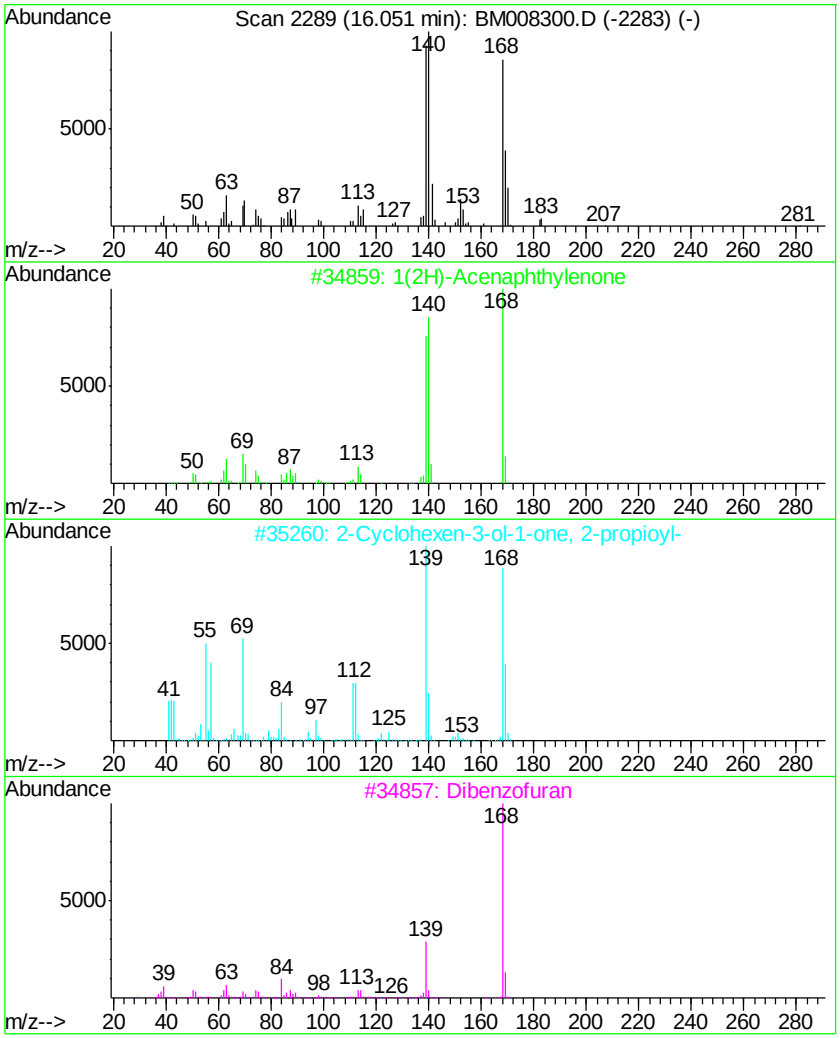
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

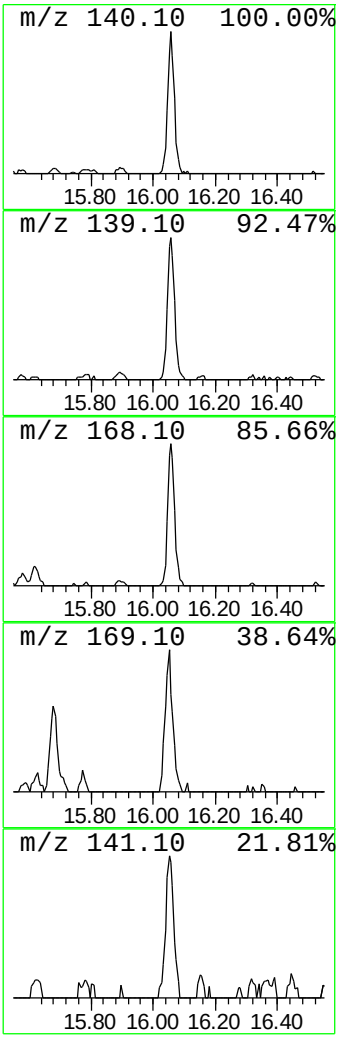
****

Peak Number 3 1(2H)-Acenaphthylenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	2.35 ng/ul	226790	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	94
2	2-Cyclohexen-3-ol-1-one, 2-propi...	168	C9H12O3	062847-90-9	50
3	Dibenzofuran	168	C12H8O	000132-64-9	43
4	Dibenzofuran	168	C12H8O	000132-64-9	43
5	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	43





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008300.D
Acq On : 14 Dec 2016 08:24
Operator : UM/SJ
Sample : H5976-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

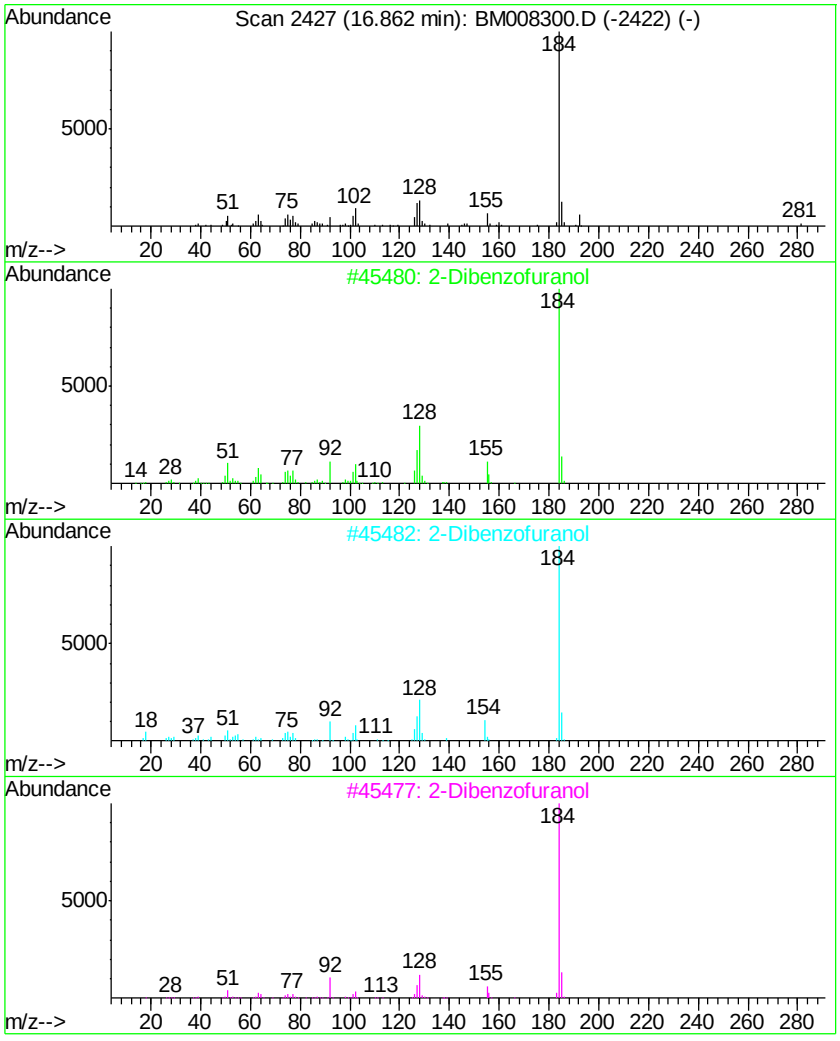
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

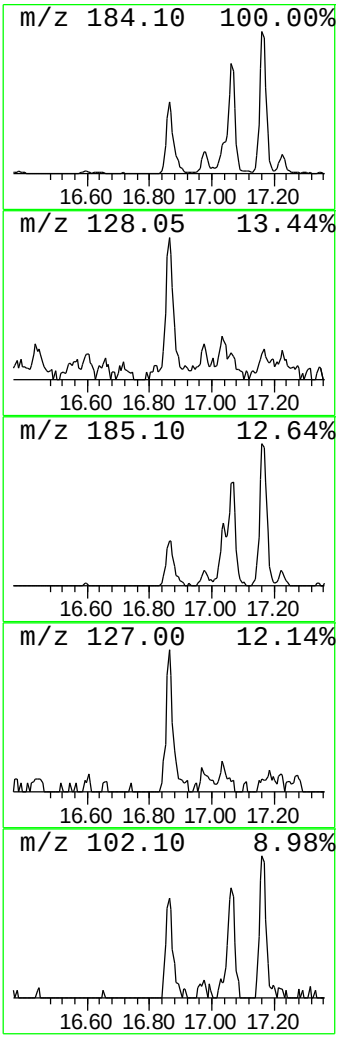
****

Peak Number 4 2-Dibenzofuranol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.86	2.05 ng/ul	198240	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Dibenzofuranol	184	C12H8O2	000086-77-1	90
2	2-Dibenzofuranol	184	C12H8O2	000086-77-1	90
3	2-Dibenzofuranol	184	C12H8O2	000086-77-1	90
4	2-Dibenzofuranol	184	C12H8O2	000086-77-1	87
5	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	87





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008300.D
Acq On : 14 Dec 2016 08:24
Operator : UM/SJ
Sample : H5976-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

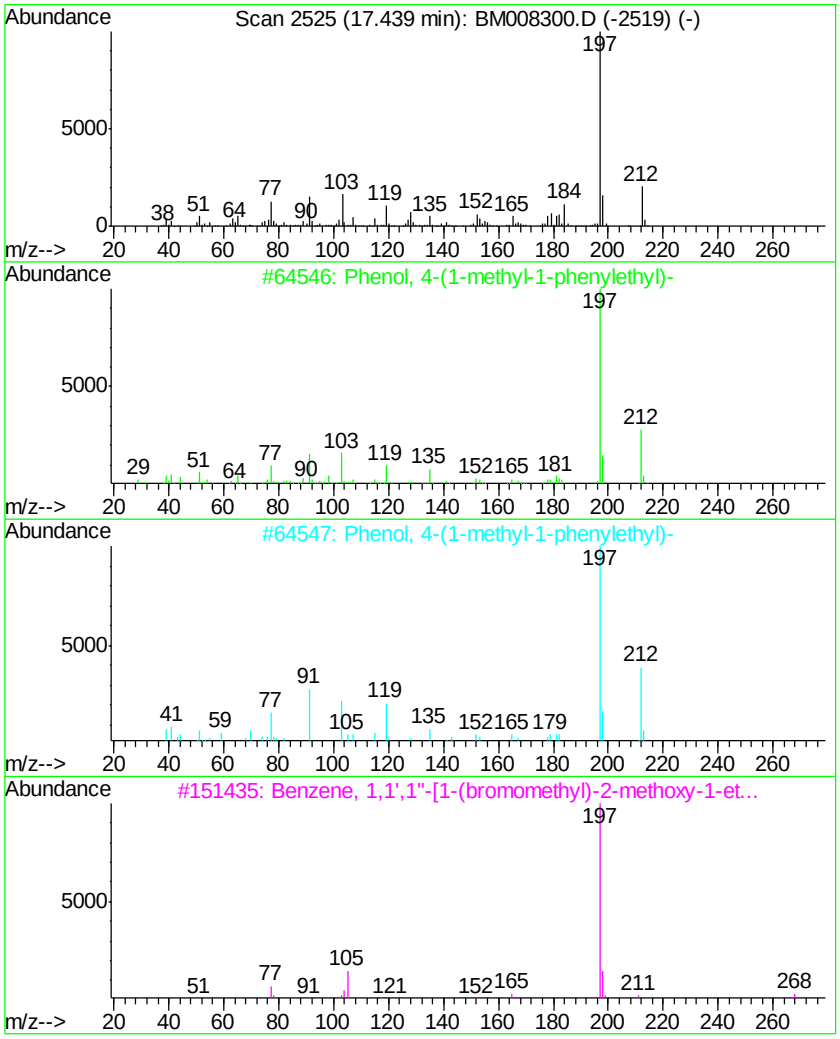
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

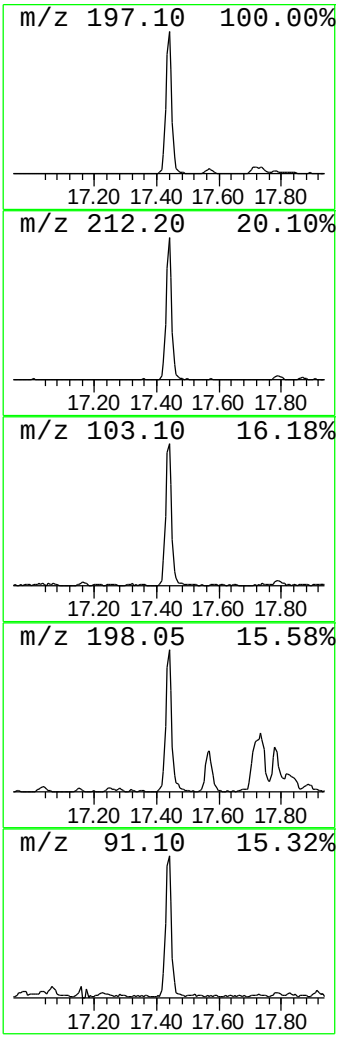
****

Peak Number 5 Phenol, 4-(1-methyl-1-pheny... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.44	15.06 ng/ul	1455790	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(1-methyl-1-phenylethyl)-	212	C15H16O	000599-64-4	87
2	Phenol, 4-(1-methyl-1-phenylethyl)-	212	C15H16O	000599-64-4	58
3	Benzene, 1,1',1''-[1-(bromomethy...	380	C22H21BrO	055282-37-6	47
4	4-Hydrazono-5-hydroxyimino-4,5,6...	197	C6H7N5O3	303194-86-7	46
5	p-(Benzylideneamino)phenol	197	C13H11NO	000588-53-4	46





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008300.D
Acq On : 14 Dec 2016 08:24
Operator : UM/SJ
Sample : H5976-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

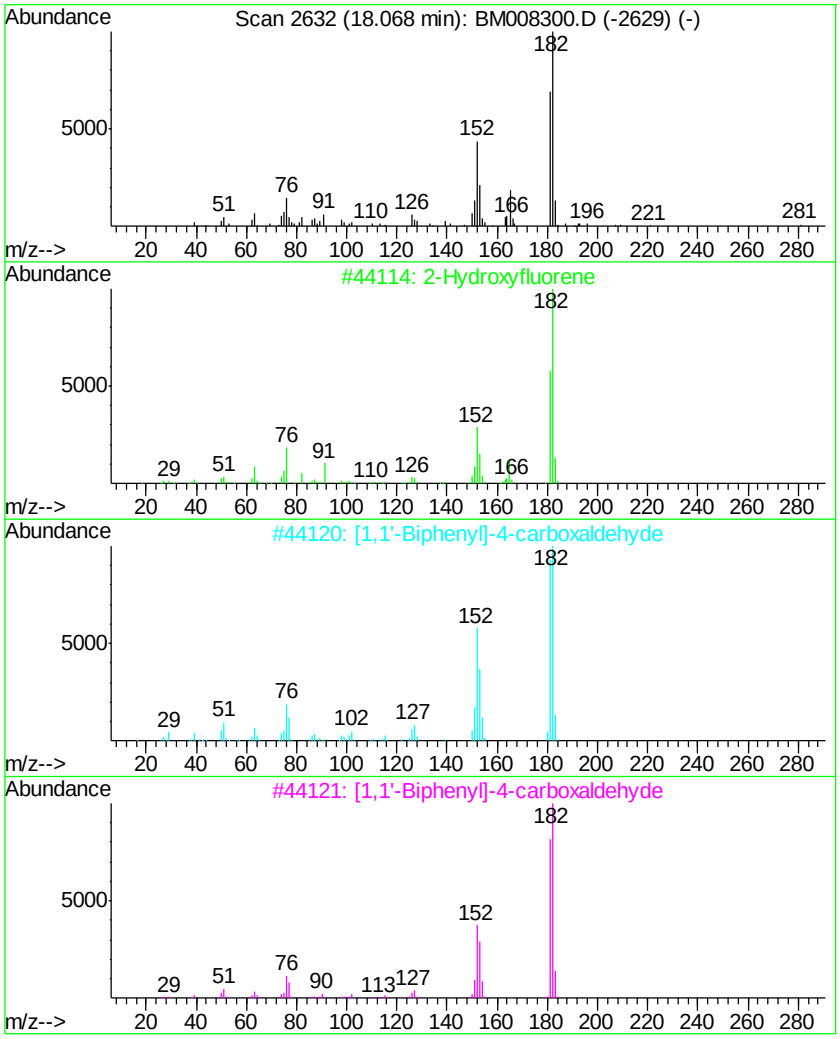
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

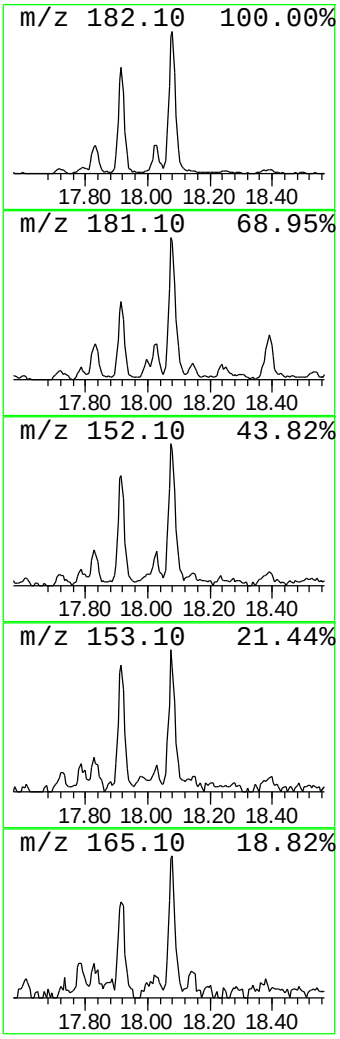
****

Peak Number 6 2-Hydroxyfluorene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	2.60 ng/ul	251530	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hydroxyfluorene	182	C13H10O	002443-58-5	96
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	90
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	90
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	70
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	58





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008300.D
Acq On : 14 Dec 2016 08:24
Operator : UM/SJ
Sample : H5976-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

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

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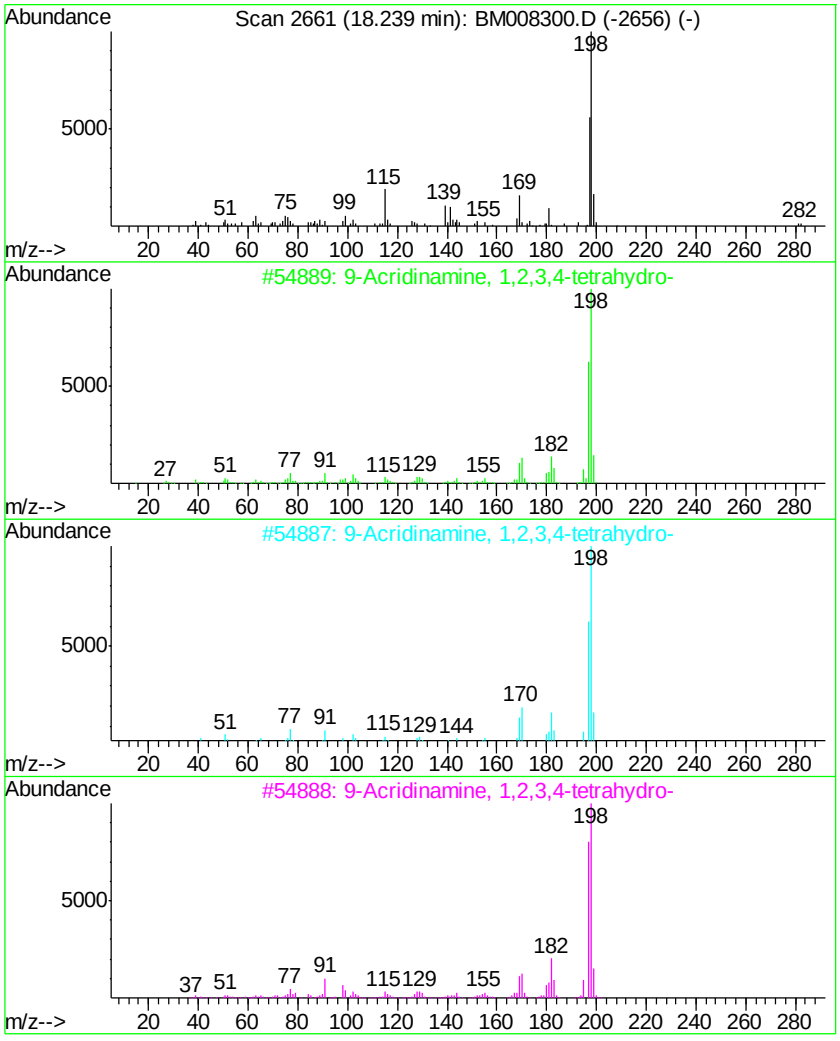
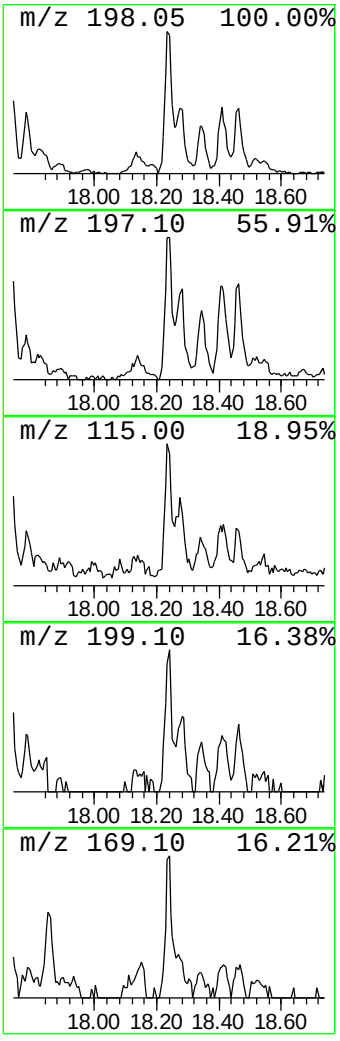
Peak Number 7 9-Acridinamine, 1,2,3,4-tet... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	2.02 ng/ul	195204	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	80
2	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	72
3	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	72
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008300.D
Acq On : 14 Dec 2016 08:24
Operator : UM/SJ
Sample : H5976-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

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

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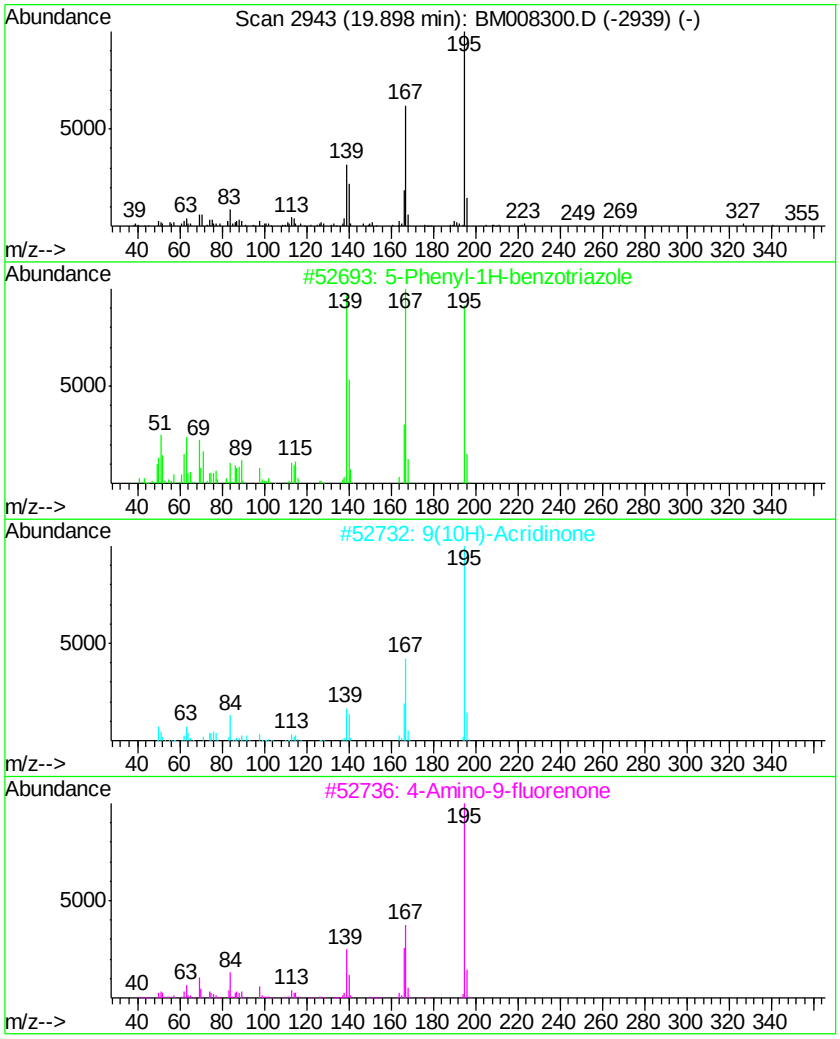
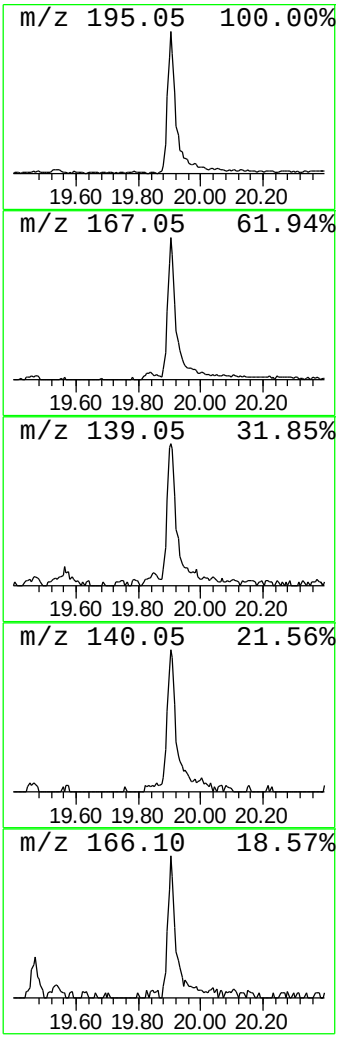
Peak Number 8 5-Phenyl-1H-benzotriazole Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.90	2.47 ng/ul	307218	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Phenyl-1H-benzotriazole	195	C12H9N3	025877-73-0	87
2	9(10H)-Acridinone	195	C13H9NO	000578-95-0	87
3	4-Amino-9-fluorenone	195	C13H9NO	004269-15-2	81
4	7-methyl-4-azafluorenone	195	C13H9NO	064292-02-0	81
5	8-Methyl-4-azafluorenone	195	C13H9NO	064292-03-1	62





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008300.D
Acq On : 14 Dec 2016 08:24
Operator : UM/SJ
Sample : H5976-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8P0

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.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
Benzofuran, 7-met...	9.01	2.9	ng/ul	119919	1	7.67	819637	20.0
Benzo[b]thiophene...	12.02	2.5	ng/ul	139723	2	10.45	1128800	20.0
1(2H)-Acenaphthyl...	16.05	2.4	ng/ul	226790	4	17.06	1933160	20.0
2-Dibenzofuranol	16.86	2.0	ng/ul	198240	4	17.06	1933160	20.0
Phenol, 4-(1-meth...	17.44	15.1	ng/ul	1455790	4	17.06	1933160	20.0
2-Hydroxyfluorene	18.07	2.6	ng/ul	251530	4	17.06	1933160	20.0
9-Acridinamine, 1...	18.24	2.0	ng/ul	195204	4	17.06	1933160	20.0
5-Phenyl-1H-benzo...	19.90	2.5	ng/ul	307218	5	21.26	2487370	20.0