LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042516\
Data File : BM005067.D
Acq On : 26 Apr 2016 04:21
Operator : UM/SJ
Sample : H2584-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7Q2

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-BM042516.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	7.134	750	756	764	rBV	210768	326488	2.15%	0.721%
2	7.333	784	790	801	rBB	238830	380832	2.50%	0.841%
3	7.798	864	869	876	rBV	101489	161073	1.06%	0.356%
4	8.169	926	932	941	rBB	208055	328588	2.16%	0.725%
5	8.333	954	960	969	rVB	296379	482635	3.17%	1.065%
6	8.498	983	988	996	rBV	223302	372734	2.45%	0.823%
7	8.957	1060	1066	1076	rVB	270414	459182	3.02%	1.014%
8	9.675	1181	1188	1196	rBV	232303	392235	2.58%	0.866%
9	10.216	1274	1280	1290	rVB	336079	587284	3.86%	1.297%
10	10.680	1335	1359	1365	rBV	4979276	15219334	100.00%	33.599%
11	10.769	1367	1374	1382	rVB	453419	743830	4.89%	1.642%
12	12.257	1618	1627	1634	rBV	1014933	1707686	11.22%	3.770%
13	12.474	1653	1664	1674	rVB	560546	932685	6.13%	2.059%
14	13.268	1792	1799	1806	rBV2	178223	277950	1.83%	0.614%
15	13.598	1846	1855	1856	rBV	105587	156134	1.03%	0.345%
16	13.757	1875	1882	1887	rBV	174110	313074	2.06%	0.691%
17	13.810	1887	1891	1893	rVV	120726	168798	1.11%	0.373%
18	13.845	1893	1897	1903	rVB	665575	987286	6.49%	2.180%
19	14.133	1939	1946	1958	rVB	741823	1306049	8.58%	2.883%
20	14.439	1988	1998	2003	rBV3	303819	546997	3.59%	1.208%
21	14.504	2003	2009	2016	rVB	870811	1309900	8.61%	2.892%
22	14.639	2025	2032	2042	rVB3	147278	300292	1.97%	0.663%
23	14.839	2059	2066	2074	rBV	647460	1038655	6.82%	2.293%
24	14.927	2074	2081	2089	rVB2	101569	172287	1.13%	0.380%
25	15.433	2162	2167	2172	rVV	957371	1462712	9.61%	3.229%
26	15.492	2172	2177	2183	rVB	868059	1258564	8.27%	2.778%
27	15.557	2183	2188	2194	rBV	422815	617044	4.05%	1.362%
28	15.927	2240	2251	2260	rBV2	89241	201453	1.32%	0.445%
29	17.003	2426	2434	2444	rVB	124369	189209	1.24%	0.418%
30	17.186	2459	2465	2468	rBV	406454	602250	3.96%	1.330%
31	17.233	2468	2473	2477	rVV	1360121	2071748	13.61%	4.574%
32	17.286	2477	2482	2486	rVV2	1188824	1799631	11.82%	3.973%
33	17.321	2486	2488	2493	rVB	285349	313209	2.06%	0.691%
34	17.592	2529	2534	2541	rVB	328049	489425	3.22%	1.080%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042516\
Data File : BM005067.D
Acq On : 26 Apr 2016 04:21
Operator : UM/SJ
Sample : H2584-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7Q2

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-BM042516.M
Title : SVOA CALIBRATION

35	18.256	2640	2647	2651	rBV	165922	255263	1.68%	0.564%
36	19.244	2810	2815	2823	rVB	394878	533935	3.51%	1.179%
37	19.492	2844	2857	2864	rBV	442044	538496	3.54%	1.189%
38	19.580	2866	2872	2885	rBV3	1426697	2440824	16.04%	5.388%
39	19.809	2901	2911	2916	rBV	146602	173133	1.14%	0.382%
40	21.374	3170	3177	3181	rBV	620444	846437	5.56%	1.869%
41	23.515	3533	3541	3553	rVB2	1035451	2101904	13.81%	4.640%
42	23.656	3557	3565	3574	rBV	377777	730367	4.80%	1.612%

Sum of corrected areas: 45297612

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042516\
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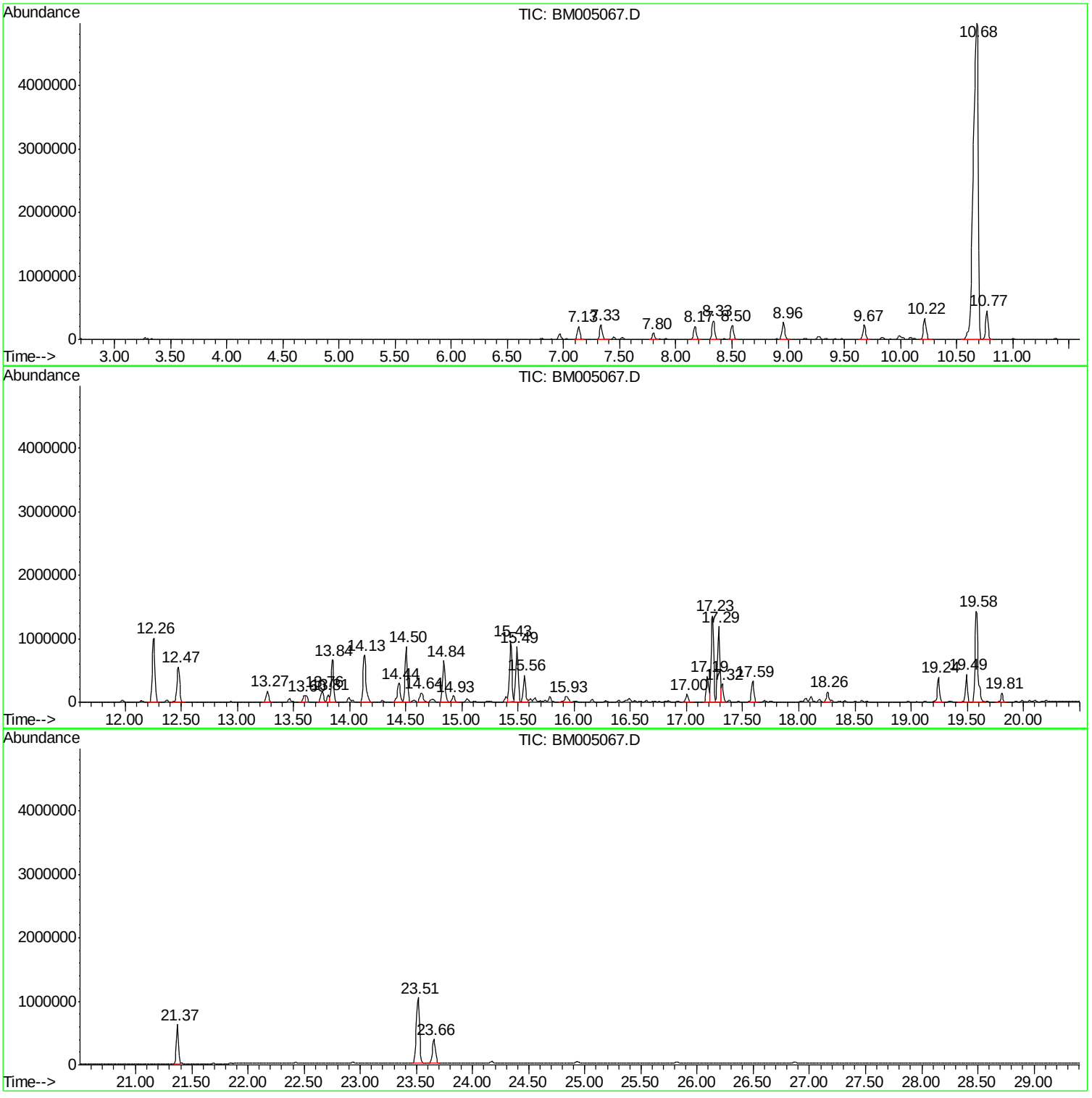
Acq On : 26 Apr 2016 04:21
Operator : UM/SJ
Sample : H2584-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7Q2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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Data File : BM005067.D
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Operator : UM/SJ
Sample : H2584-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION

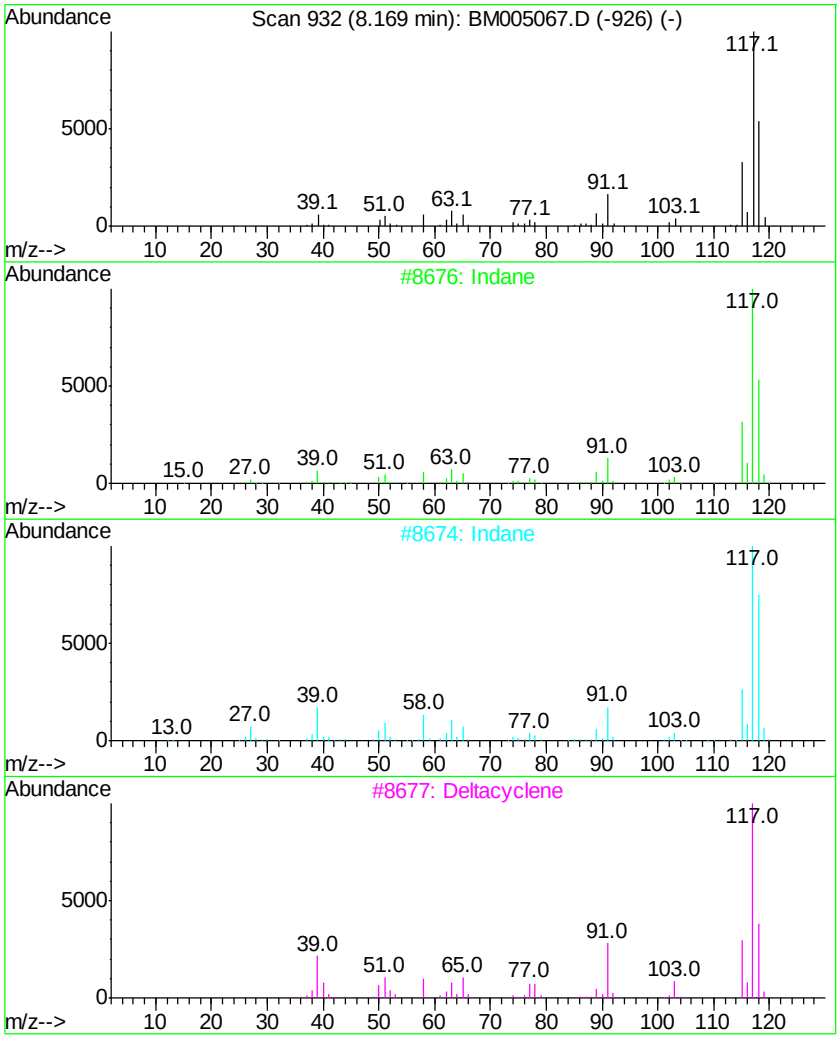
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

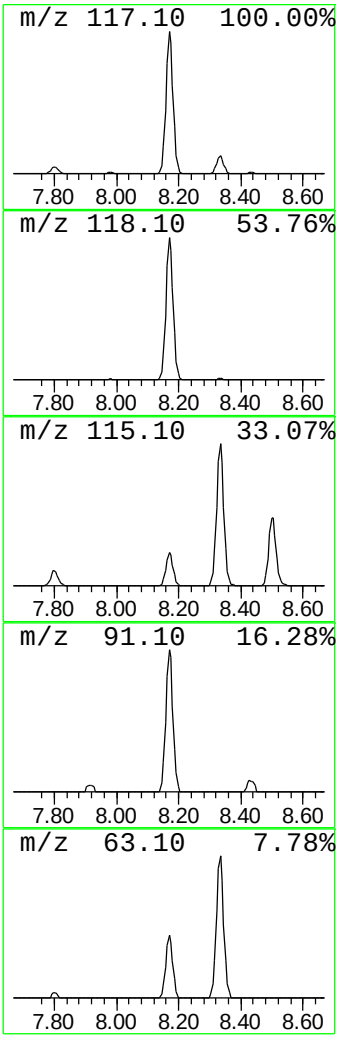
****

Peak Number 1 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.17	40.80 ng/ul	328588	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	91
3	Deltacyclene	118	C9H10	007785-10-6	72
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	60





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042516\
Data File : BM005067.D
Acq On : 26 Apr 2016 04:21
Operator : UM/SJ
Sample : H2584-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7Q2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION

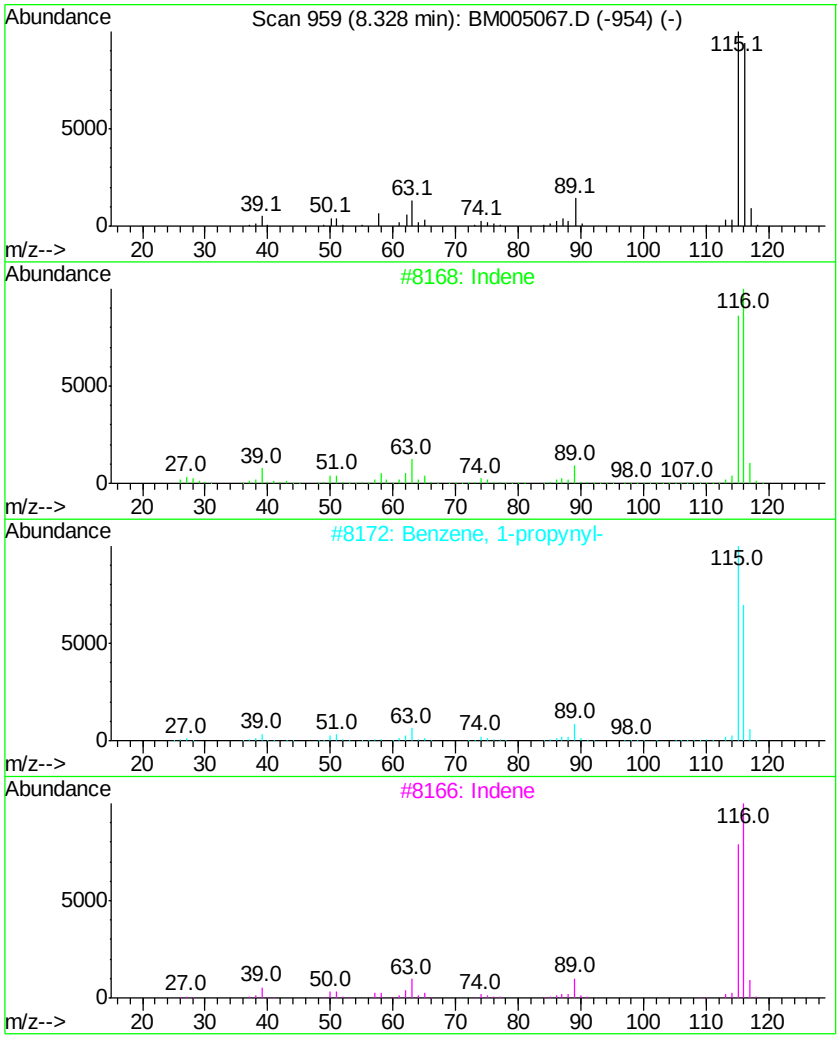
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

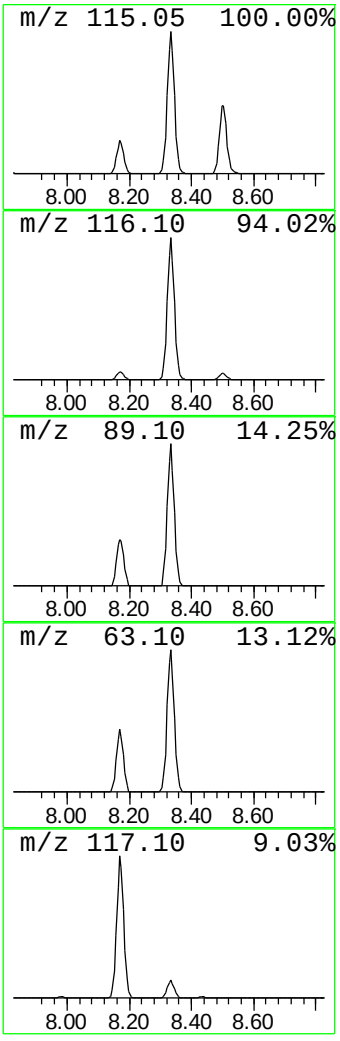
****

Peak Number 2 Indene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.33	59.93 ng/ul	482635	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
3	Indene	116	C9H8	000095-13-6	94
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042516\
Data File : BM005067.D
Acq On : 26 Apr 2016 04:21
Operator : UM/SJ
Sample : H2584-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7Q2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION

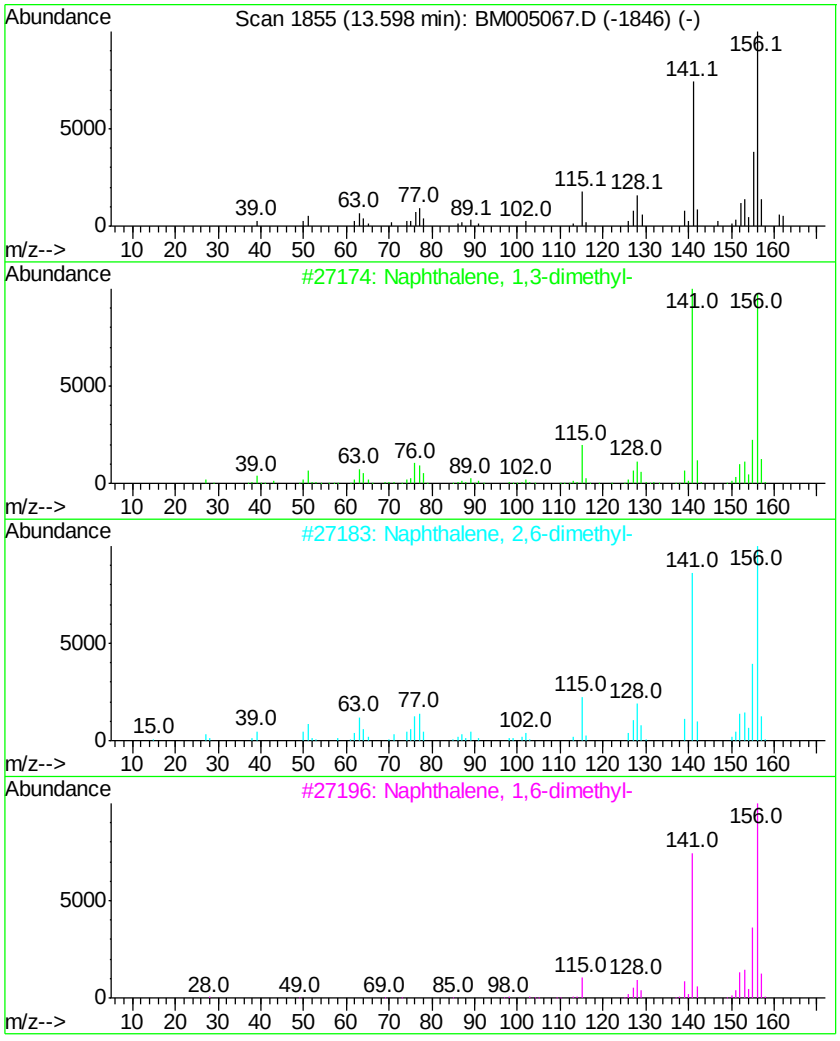
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

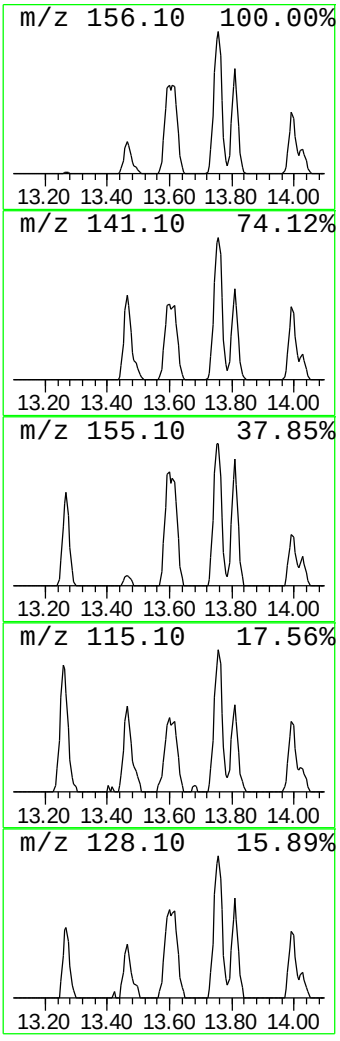
****

Peak Number 3 Naphthalene, 1,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	5.71 ng/ul	156134	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95





Data Path : Z:\HPCHEM1\BNA M\DATA\BM042516\
Data File : BM005067.D
Acq On : 26 Apr 2016 04:21
Operator : UM/SJ
Sample : H2584-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7Q2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION

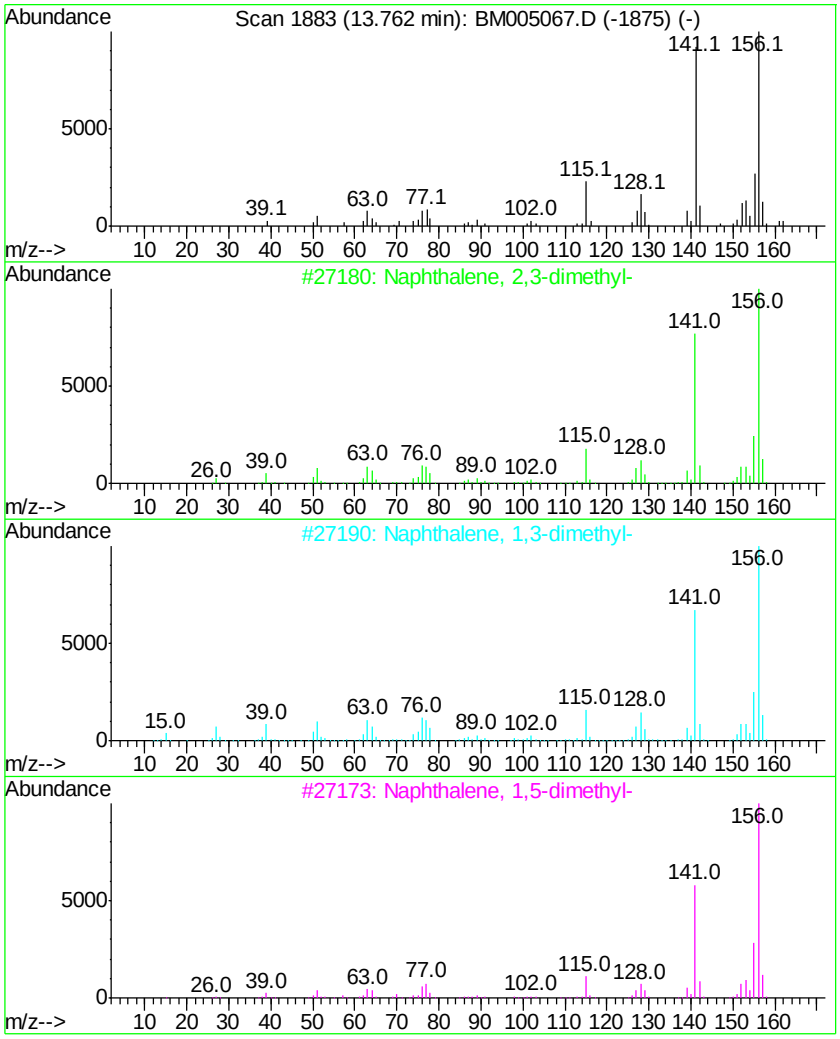
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

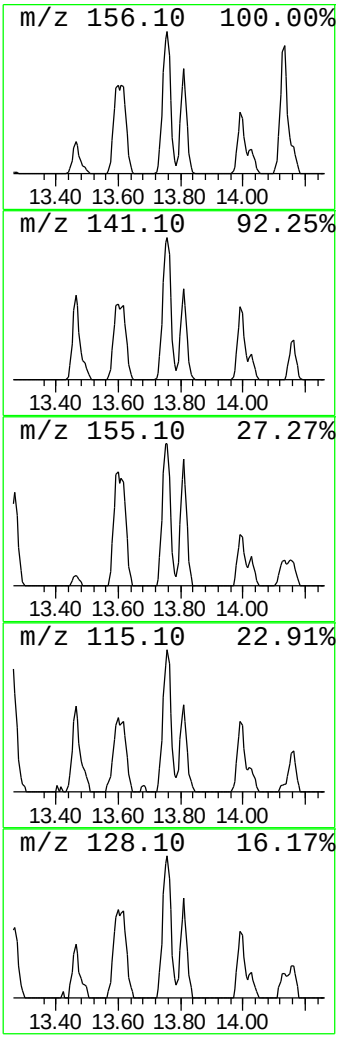
****

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	11.45 ng/ul	313074	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





Data Path : Z:\HPCHEM1\BNA M\DATA\BM042516\
Data File : BM005067.D
Acq On : 26 Apr 2016 04:21
Operator : UM/SJ
Sample : H2584-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7Q2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION

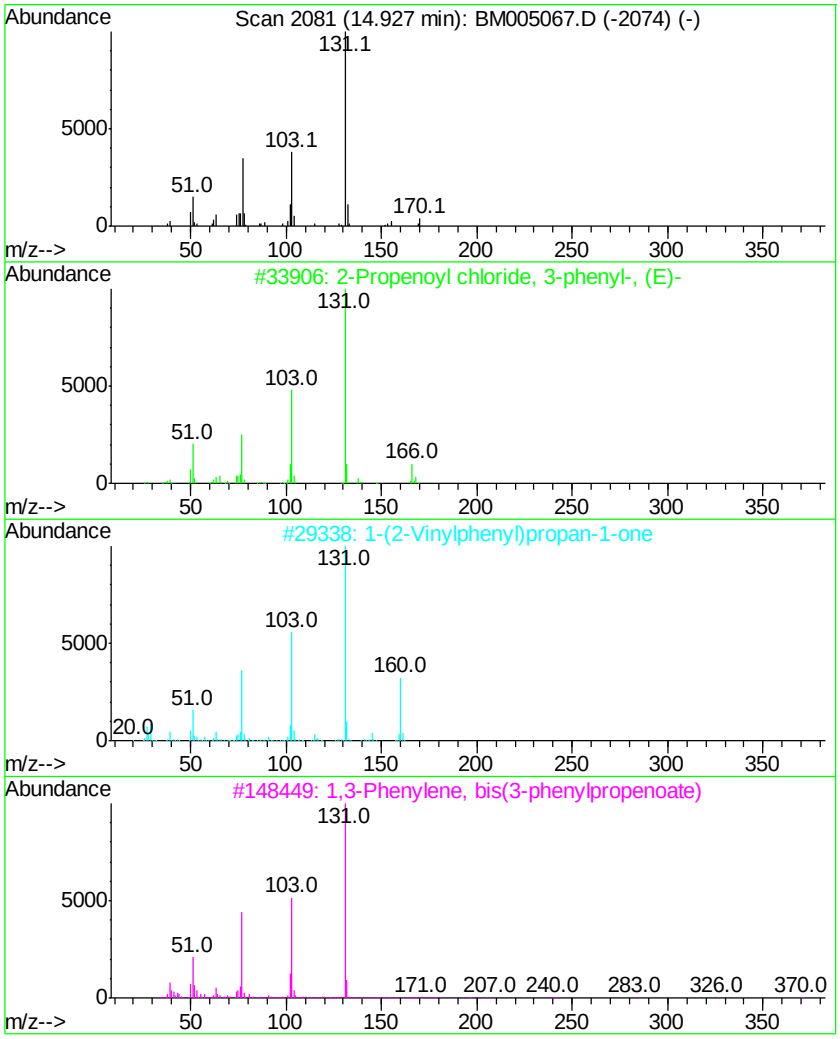
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

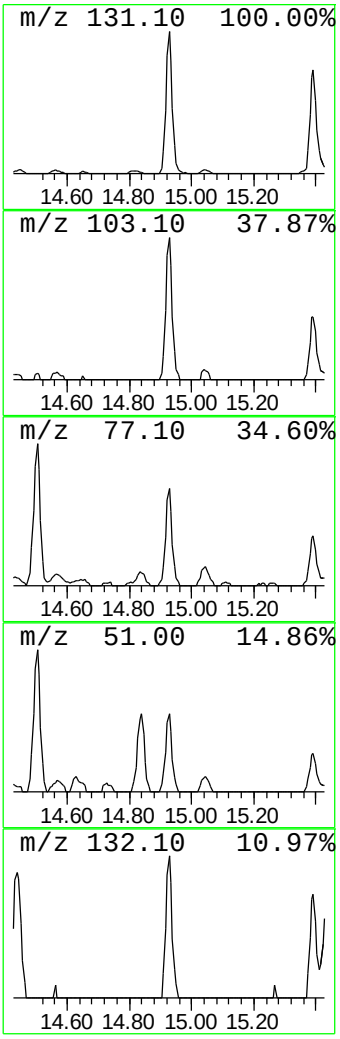
****

Peak Number 5 2-Propenoyl chloride, 3-phe... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	6.30 ng/ul	172287	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenoyl chloride, 3-phenyl-,...	166	C9H7ClO	017082-09-6	83
2	1-(2-Vinylphenyl)propan-1-one	160	C11H12O	052095-41-7	83
3	1,3-Phenylene, bis(3-phenylprope...	370	C24H18O4	1000259-62-4	83
4	2-Propenoic acid, 3-phenyl-, met...	162	C10H10O2	001754-62-7	83
5	4-Methylcoumarine-7-cinnamate	306	C19H14O4	300829-05-4	78





Data Path : Z:\HPCHEM1\BNA M\DATA\BM042516\
Data File : BM005067.D
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Operator : UM/SJ
Sample : H2584-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7Q2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION

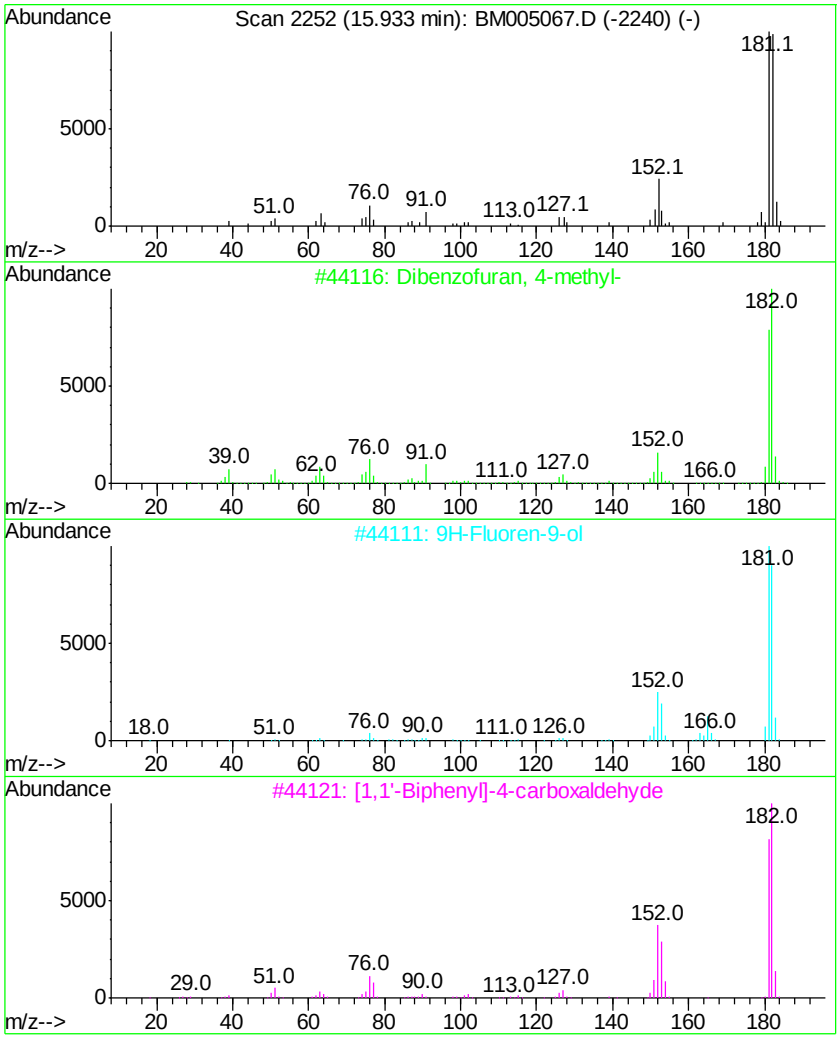
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

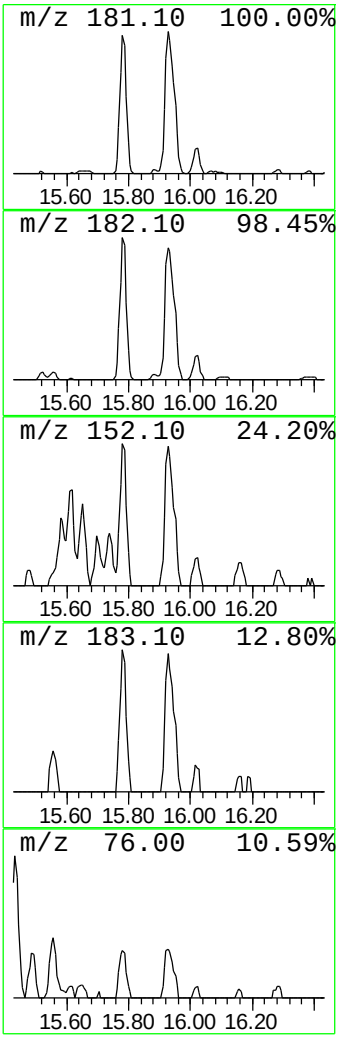
****

Peak Number 6 Dibenzofuran, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	6.69 ng/ul	201453	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	81
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	81
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042516\
Data File : BM005067.D
Acq On : 26 Apr 2016 04:21
Operator : UM/SJ
Sample : H2584-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7Q2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION

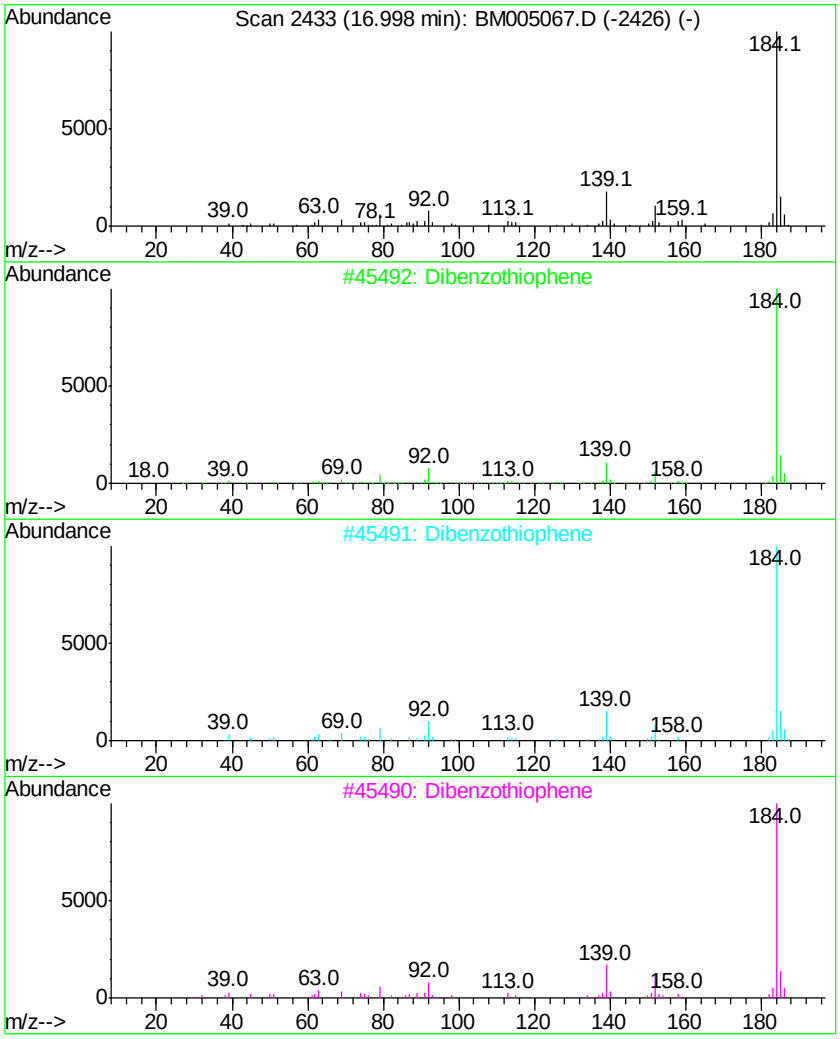
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

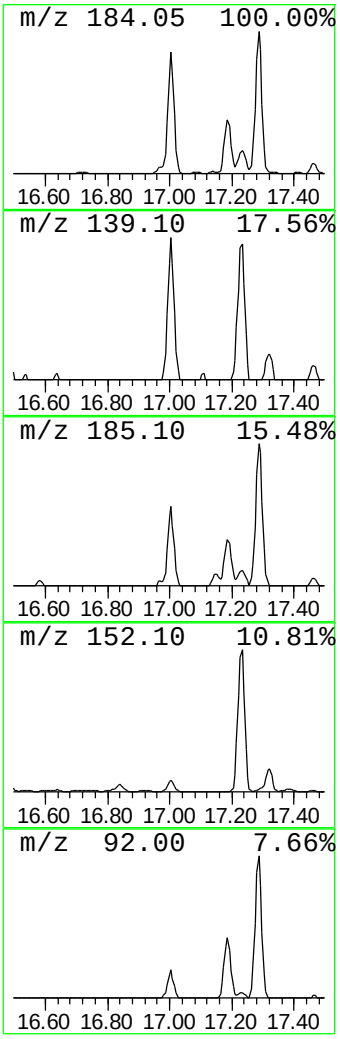
****

Peak Number 7 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.00	6.28 ng/ul	189209	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Dibenzothiophene	184	C12H8S	000132-65-0	96
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042516\
Data File : BM005067.D
Acq On : 26 Apr 2016 04:21
Operator : UM/SJ
Sample : H2584-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7Q2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION

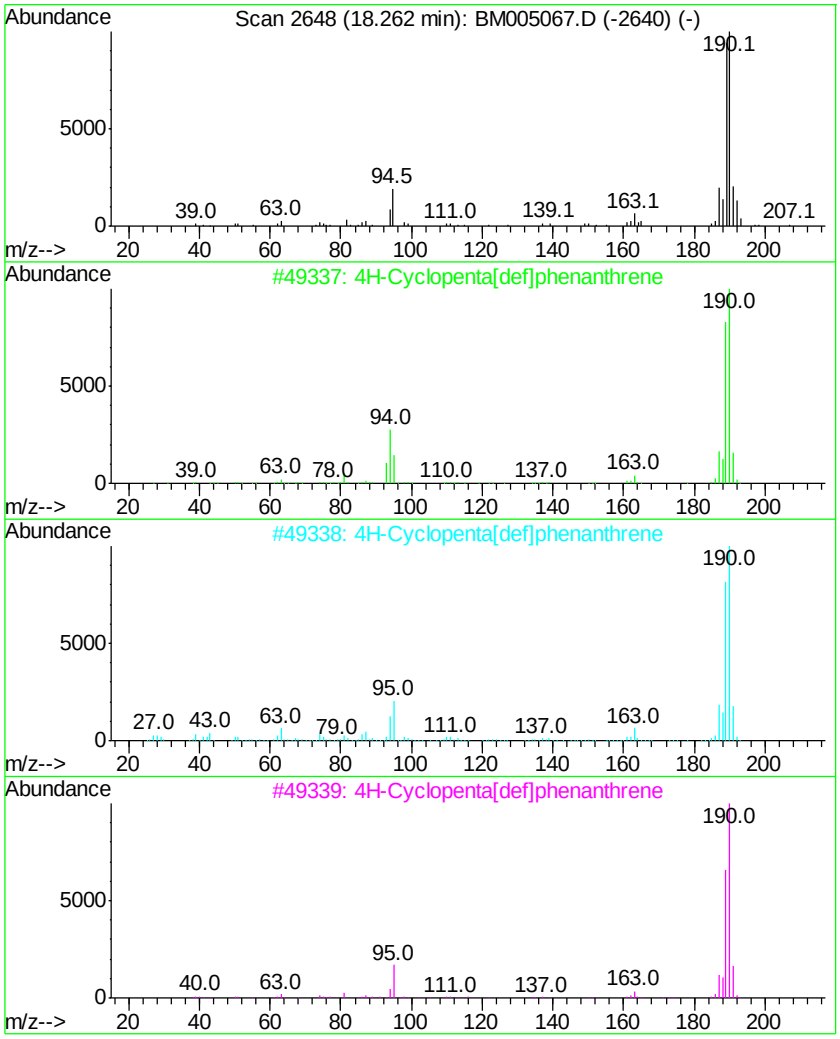
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

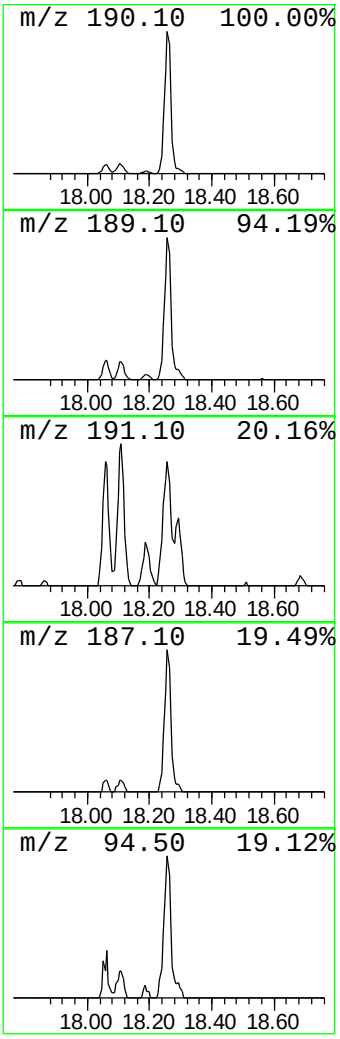
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	8.48 ng/ul	255263	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	97
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
4	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	59
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	56





Data Path : Z:\HPCHEM1\BNA M\DATA\BM042516\
Data File : BM005067.D
Acq On : 26 Apr 2016 04:21
Operator : UM/SJ
Sample : H2584-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7Q2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION

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

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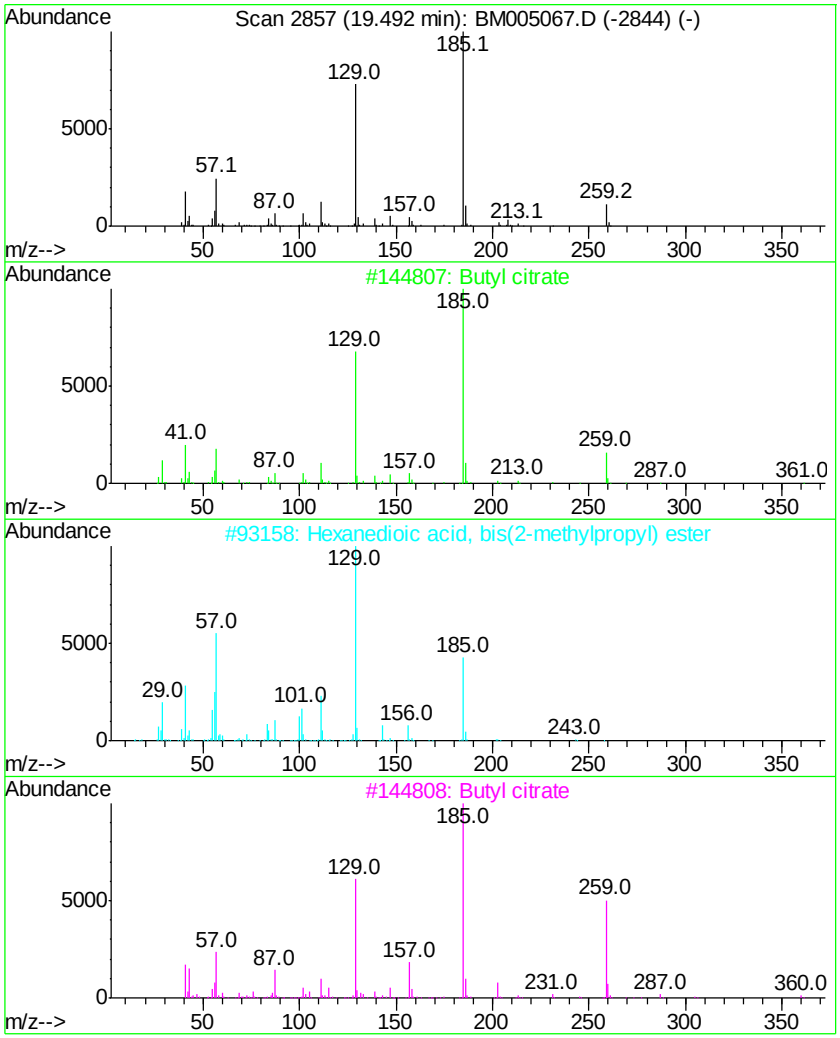
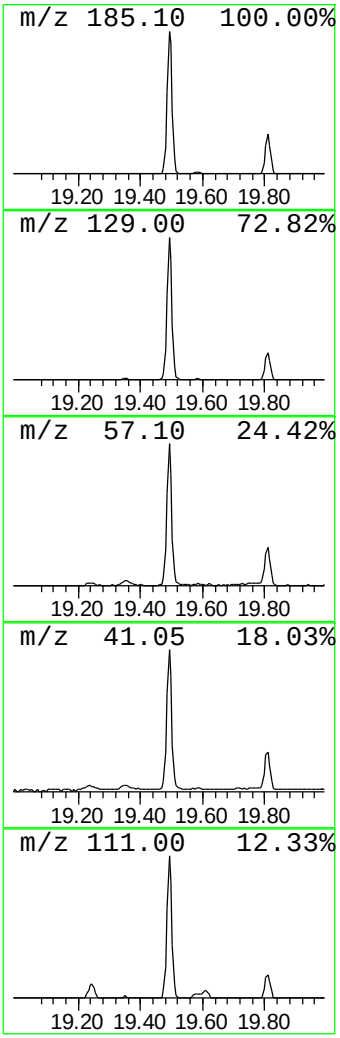
Peak Number 9 Butyl citrate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.49	12.72 ng/ul	538496	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butyl citrate	360	C18H32O7	000077-94-1	91
2	Hexanedioic acid, bis(2-methylpr...	258	C14H26O4	000141-04-8	64
3	Butyl citrate	360	C18H32O7	000077-94-1	56
4	Hexanedioic acid, dibutyl ester	258	C14H26O4	000105-99-7	45
5	Butanedioic acid, 2,3-dimethyl-,...	258	C14H26O4	056051-57-1	45





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042516\
Data File : BM005067.D
Acq On : 26 Apr 2016 04:21
Operator : UM/SJ
Sample : H2584-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7Q2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION

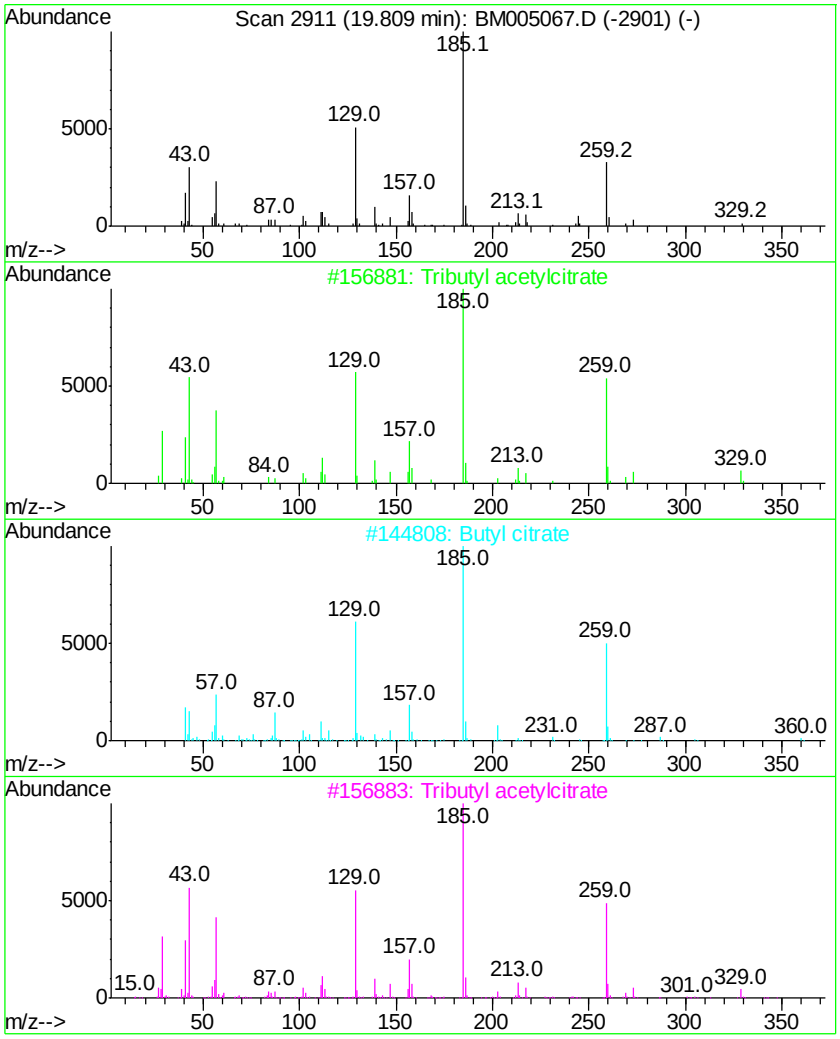
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

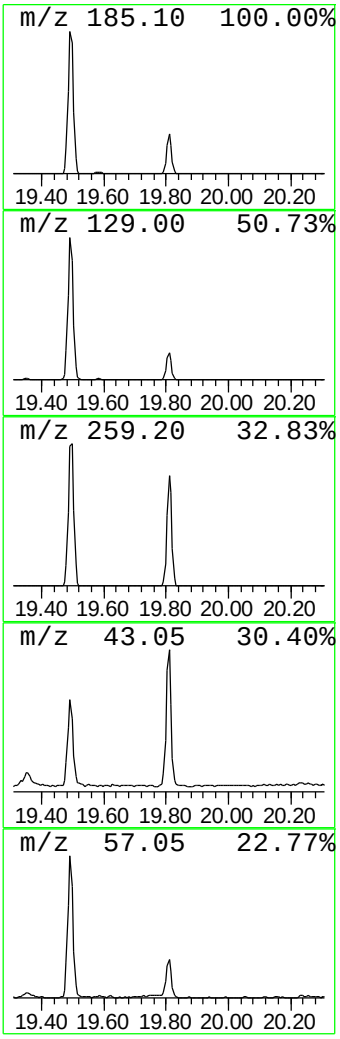
****

Peak Number 10 Tributyl acetylcitrate Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.81	4.09 ng/ul	173133	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tributyl acetylcitrate	402	C20H34O8	000077-90-7	91
2	Butyl citrate	360	C18H32O7	000077-94-1	64
3	Tributyl acetylcitrate	402	C20H34O8	000077-90-7	60
4	[1,1'-Biphenyl]-4-ol, 3-amino-	185	C12H11NO	001134-36-7	43
5	Butyl citrate	360	C18H32O7	000077-94-1	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042516\
Data File : BM005067.D
Acq On : 26 Apr 2016 04:21
Operator : UM/SJ
Sample : H2584-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7Q2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042516.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
Indane	8.17	40.8	ng/ul	328588	1	7.80	161073	20.0
Indene	8.33	59.9	ng/ul	482635	1	7.80	161073	20.0
Naphthalene, 1,3-...	13.60	5.7	ng/ul	156134	3	14.44	546997	20.0
Naphthalene, 2,3-...	13.76	11.4	ng/ul	313074	3	14.44	546997	20.0
2-Propenoyl chlor...	14.93	6.3	ng/ul	172287	3	14.44	546997	20.0
Dibenzofuran, 4-m...	15.93	6.7	ng/ul	201453	4	17.19	602250	20.0
Dibenzothiophene	17.00	6.3	ng/ul	189209	4	17.19	602250	20.0
4H-Cyclopenta[def...	18.26	8.5	ng/ul	255263	4	17.19	602250	20.0
Butyl citrate	19.49	12.7	ng/ul	538496	5	21.37	846437	20.0
Tributyl acetylci...	19.81	4.1	ng/ul	173133	5	21.37	846437	20.0