LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005600.D
Acq On : 22 May 2016 23:17
Operator : UM/SJ
Sample : H3124-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGF1

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-BM052016.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	6.987	738	748	764	rVB	499977	853150	7.66%	1.328%
2	7.145	768	775	782	rBV	355551	555619	4.99%	0.865%
3	7.351	803	810	819	rVB	489121	815448	7.32%	1.270%
4	7.816	879	889	896	rBV	518875	855392	7.68%	1.332%
5	8.351	974	980	993	rBV	91656	220765	1.98%	0.344%
6	8.522	1002	1009	1016	rVB	634125	1037110	9.31%	1.615%
7	8.969	1079	1085	1093	rBV	458049	758935	6.81%	1.182%
8	9.686	1201	1207	1215	rBV	391809	670507	6.02%	1.044%
9	10.228	1292	1299	1306	rVB	662395	1118844	10.04%	1.742%
10	10.604	1352	1363	1368	rBV	784547	1396555	12.54%	2.174%
11	10.657	1368	1372	1379	rVB	101377	175102	1.57%	0.273%
12	10.739	1379	1386	1397	rBV	168963	353983	3.18%	0.551%
13	12.263	1641	1645	1652	rVB	129613	219195	1.97%	0.341%
14	12.486	1677	1683	1689	rBV	112236	198613	1.78%	0.309%
15	13.457	1843	1848	1854	rBV	244573	457269	4.11%	0.712%
16	13.621	1870	1876	1881	rVB2	166708	395706	3.55%	0.616%
17	13.768	1896	1901	1906	rBV	347307	614802	5.52%	0.957%
18	13.821	1907	1910	1912	rBV	162477	204701	1.84%	0.319%
19	13.857	1912	1916	1920	rVB	1016830	1383186	12.42%	2.153%
20	13.904	1920	1924	1927	rBV	226889	307287	2.76%	0.478%
21	14.004	1937	1941	1946	rBV2	227009	441768	3.97%	0.688%
22	14.139	1959	1964	1968	rBV	1192388	2044787	18.36%	3.184%
23	14.451	2007	2017	2023	rBV2	1149367	2219058	19.92%	3.455%
24	14.657	2047	2052	2061	rBV2	572890	1048109	9.41%	1.632%
25	15.445	2181	2186	2190	rBV	1408910	1984169	17.81%	3.089%
26	17.198	2481	2484	2487	rBV	908790	1104620	9.92%	1.720%
27	17.245	2487	2492	2497	rVB	3924242	5777037	51.86%	8.994%
28	17.298	2497	2501	2504	rBV	1343253	1925137	17.28%	2.997%
29	18.074	2630	2633	2636	rBV	717851	816171	7.33%	1.271%
30	18.268	2662	2666	2670	rBV2	1194135	1986624	17.84%	3.093%
31	19.256	2829	2834	2840	rVB	5832770	9066573	81.40%	14.116%
32	19.592	2887	2891	2892	rBV2	1994264	2579299	23.16%	4.016%
33	19.627	2892	2897	2904	rVB	6861155	11138870	100.00%	17.342%
34	21.362	3188	3192	3197	rBV2	3193197	5647227	50.70%	8.792%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005600.D
Acq On : 22 May 2016 23:17
Operator : UM/SJ
Sample : H3124-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGF1

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-BM052016.M
Title : SVOA CALIBRATION

35	21.415	3197	3201	3206	rVB	2942988	3858517	34.64%	6.007%

Sum of corrected areas: 64230135

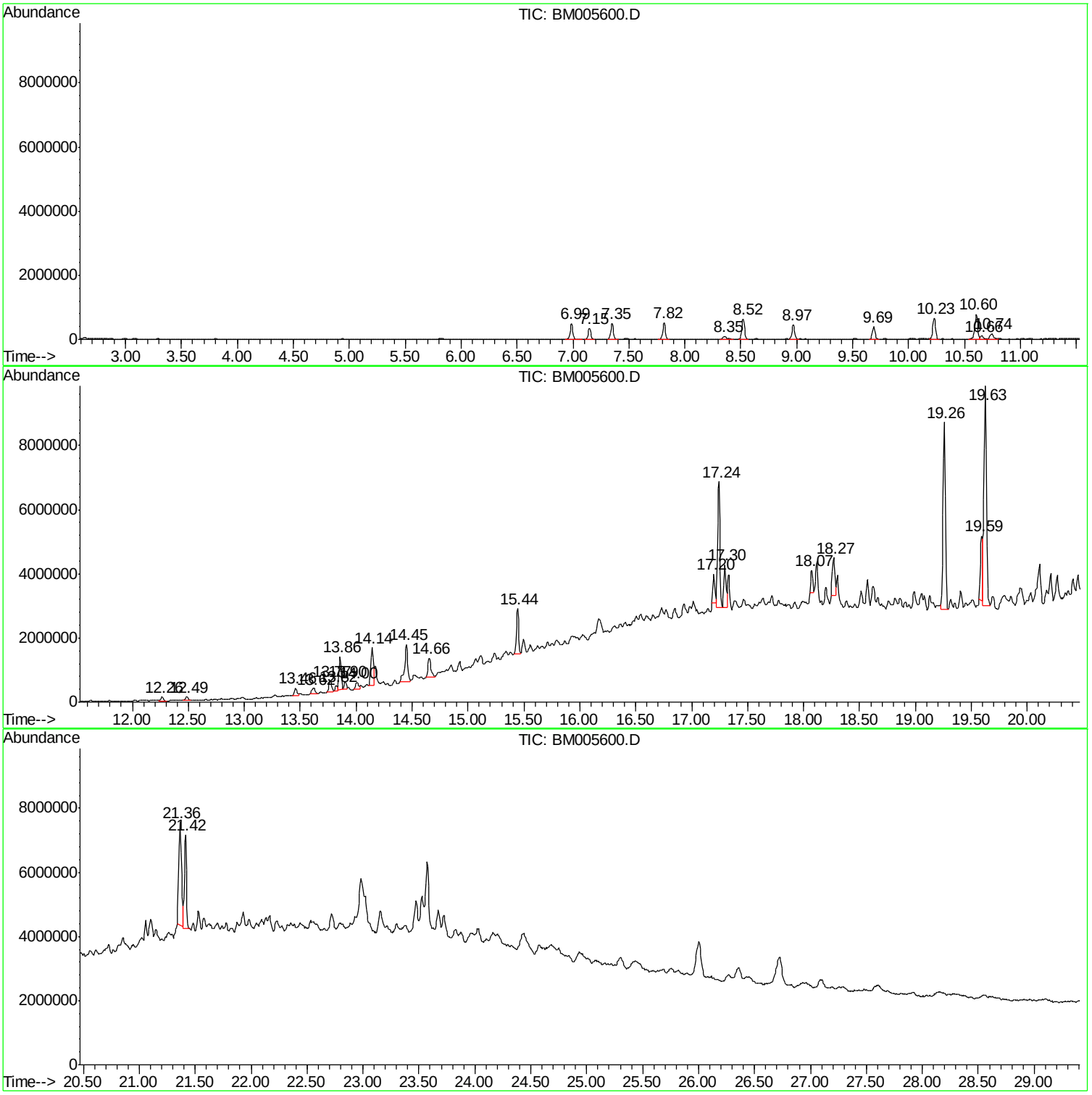
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005600.D
Acq On : 22 May 2016 23:17
Operator : UM/SJ
Sample : H3124-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGF1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005600.D
Acq On : 22 May 2016 23:17
Operator : UM/SJ
Sample : H3124-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGF1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

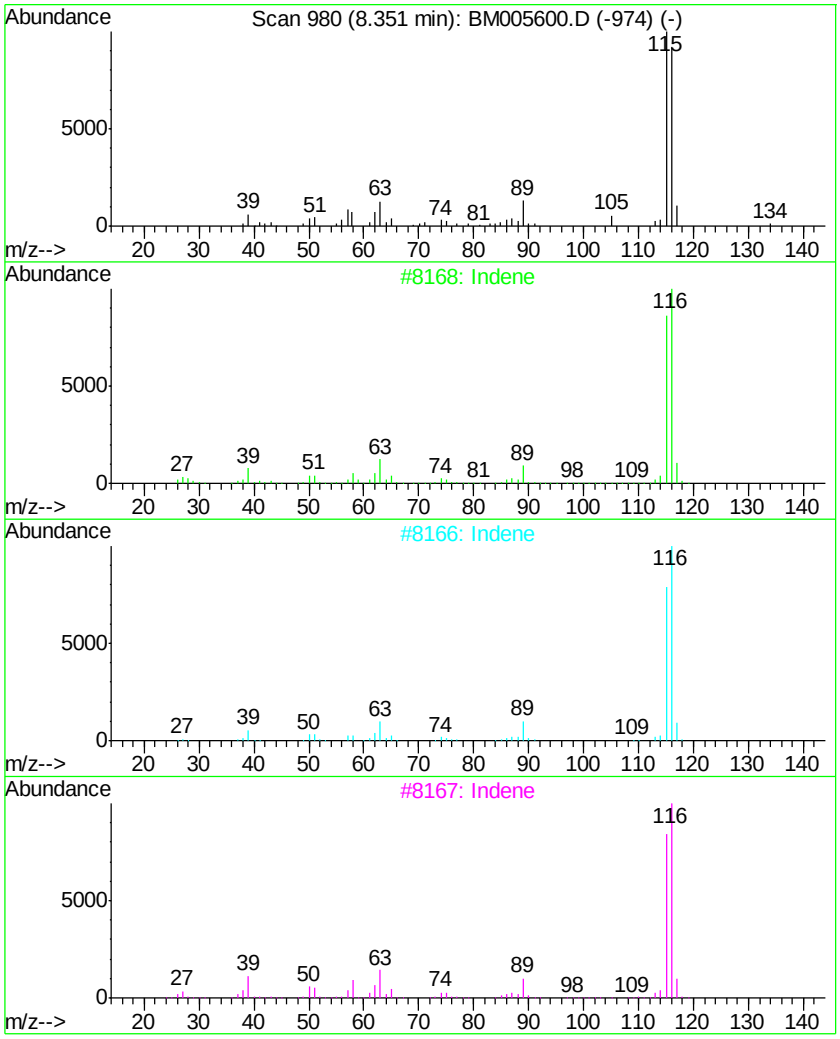
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

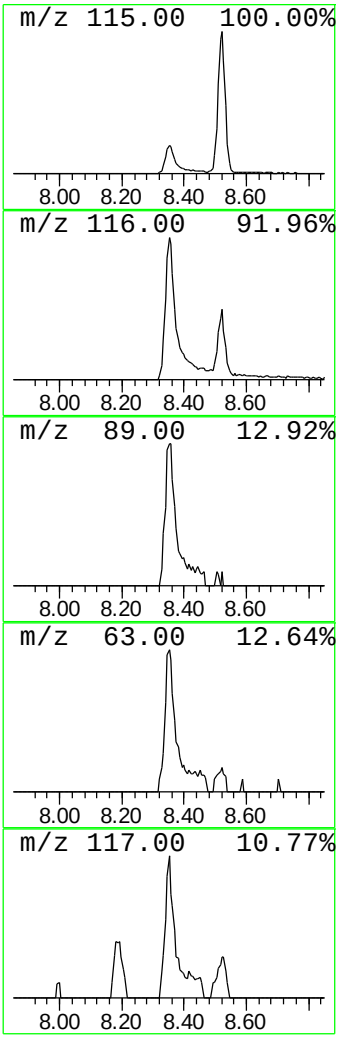
****

Peak Number 1 Indene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.35	5.16 ng/ul	220765	1,4-Dichlorobenzene-d4	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Indene	116	C9H8	000095-13-6	95
3	Indene	116	C9H8	000095-13-6	93
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005600.D
Acq On : 22 May 2016 23:17
Operator : UM/SJ
Sample : H3124-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGF1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

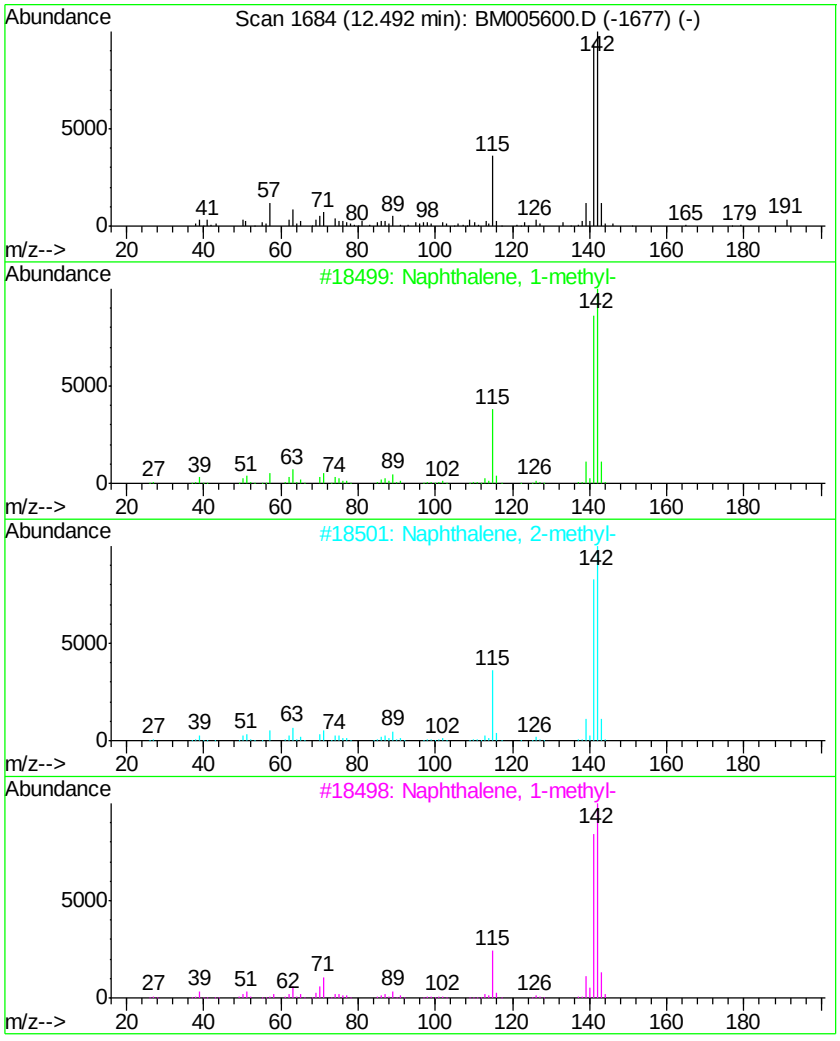
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

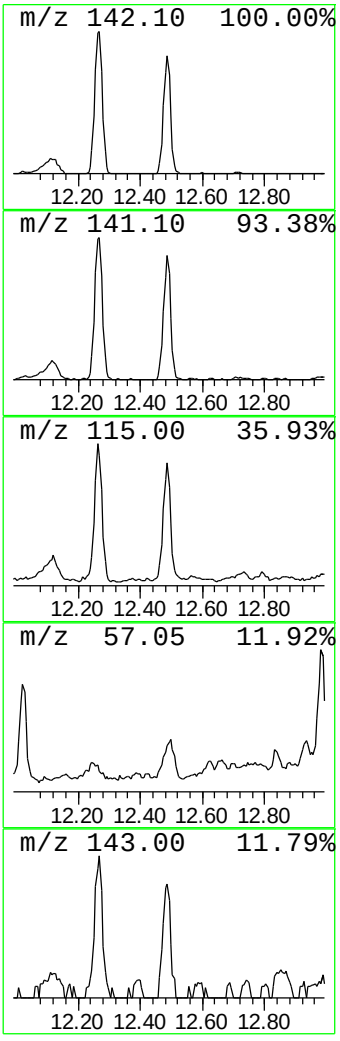
****

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	2.84 ng/ul	198613	Naphthalene-d8	10.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005600.D
Acq On : 22 May 2016 23:17
Operator : UM/SJ
Sample : H3124-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGF1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

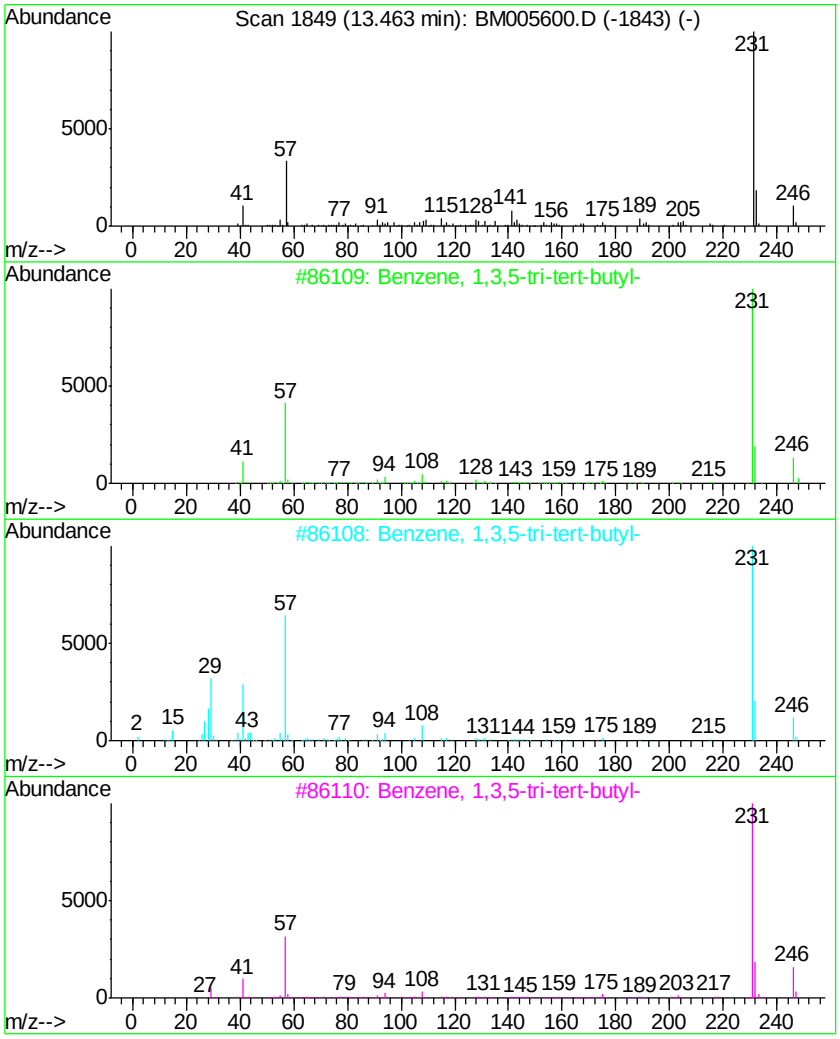
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

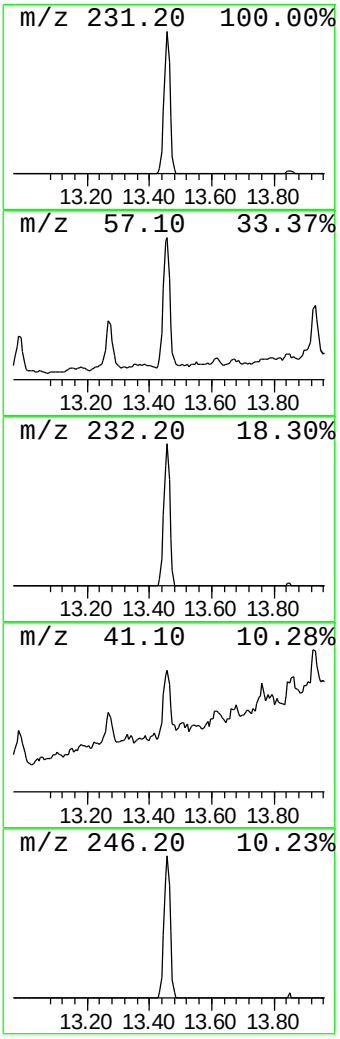
****

Peak Number 3 Benzene, 1,3,5-tri-tert-butyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	4.12 ng/ul	457269	Acenaphthene-d10	14.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-tri-tert-butyl-	246	C18H30	001460-02-2	91
2	Benzene, 1,3,5-tri-tert-butyl-	246	C18H30	001460-02-2	78
3	Benzene, 1,3,5-tri-tert-butyl-	246	C18H30	001460-02-2	78
4	Benzene, hexaethyl-	246	C18H30	000604-88-6	72
5	Vanadium, cyclopentadienyl-indenyl-	231	C14H12V	1000152-33-3	45





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005600.D
Acq On : 22 May 2016 23:17
Operator : UM/SJ
Sample : H3124-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGF1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

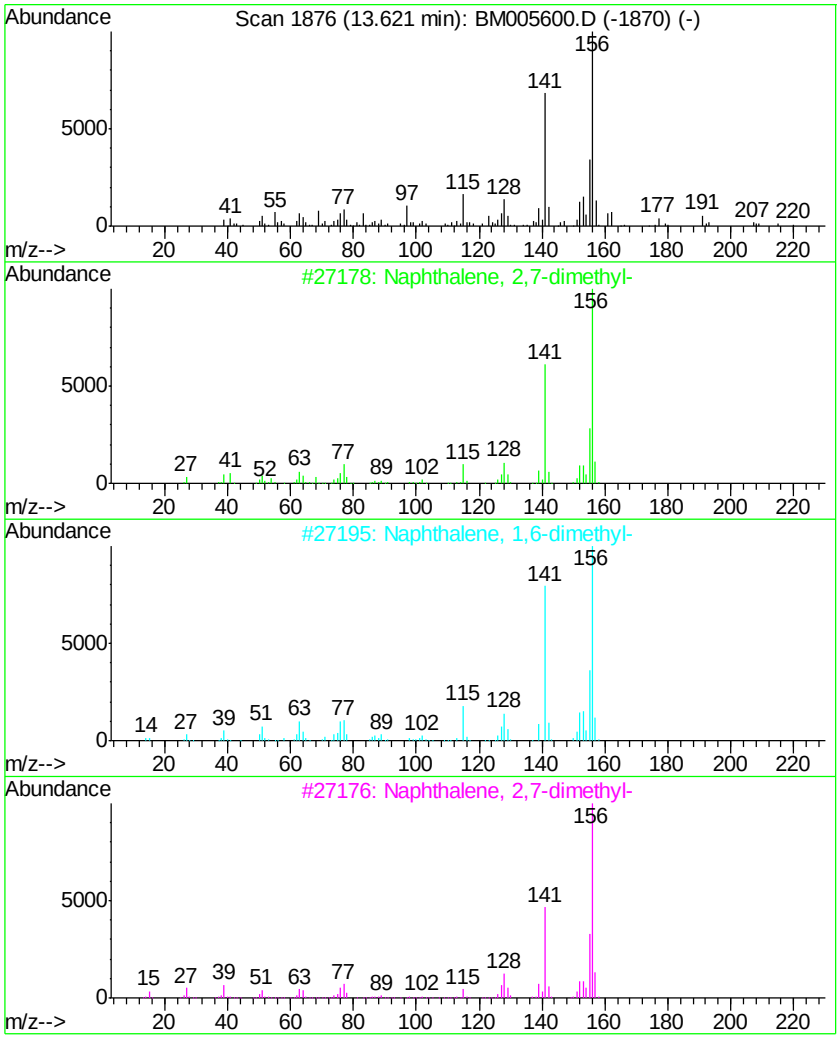
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

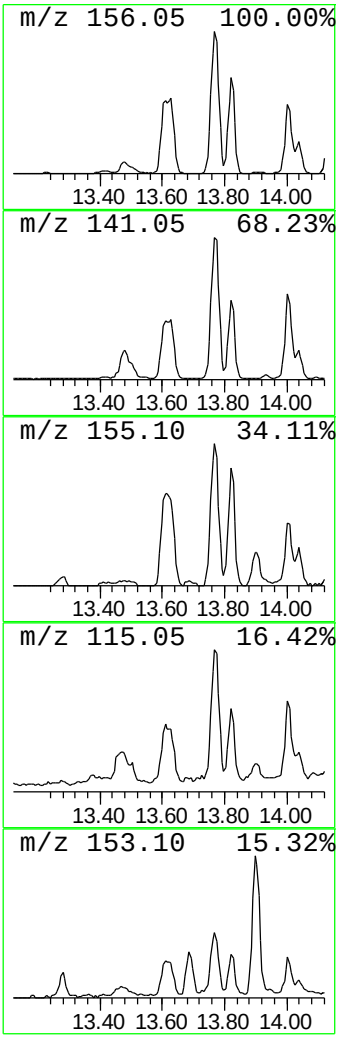
****

Peak Number 4 Naphthalene, 2,7-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	3.57 ng/ul	395706	Acenaphthene-d10	14.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005600.D
Acq On : 22 May 2016 23:17
Operator : UM/SJ
Sample : H3124-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGF1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

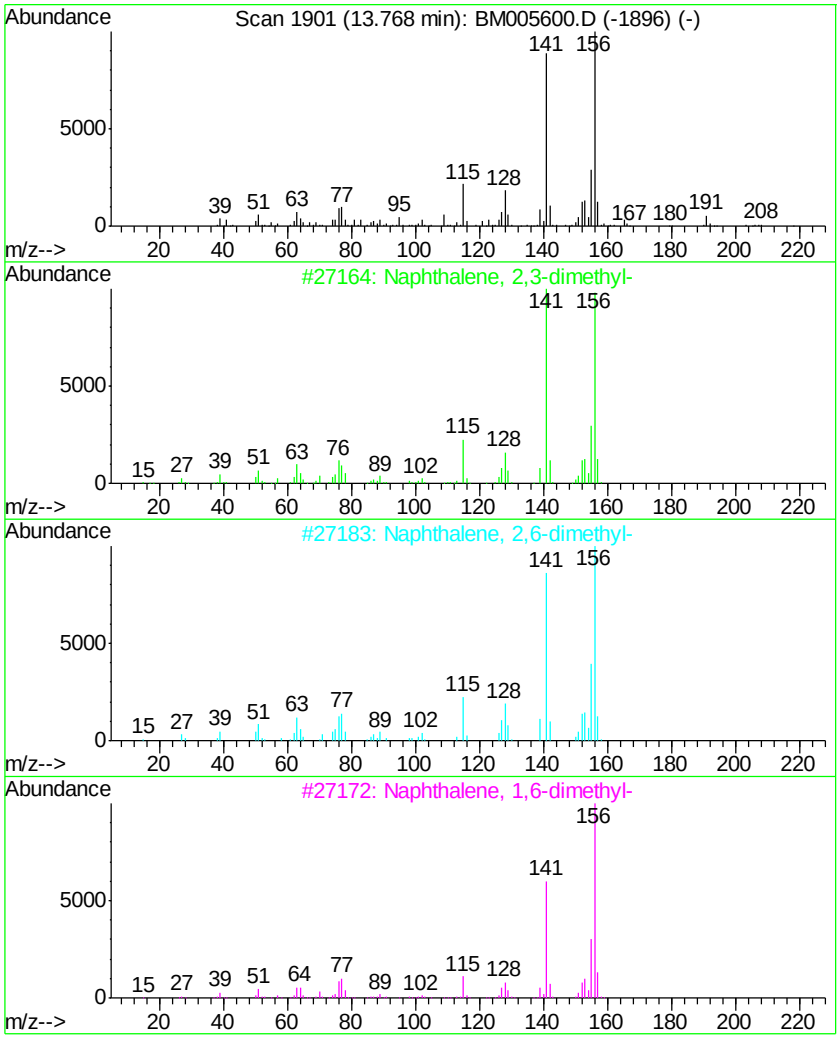
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

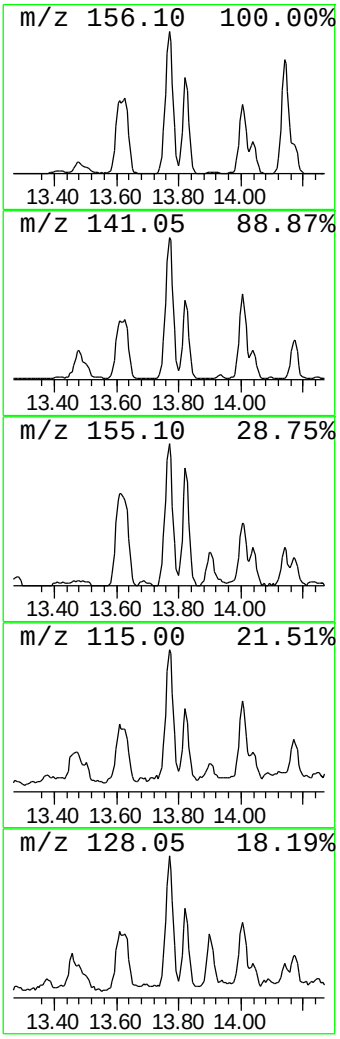
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	5.54 ng/ul	614802	Acenaphthene-d10	14.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005600.D
Acq On : 22 May 2016 23:17
Operator : UM/SJ
Sample : H3124-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGF1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

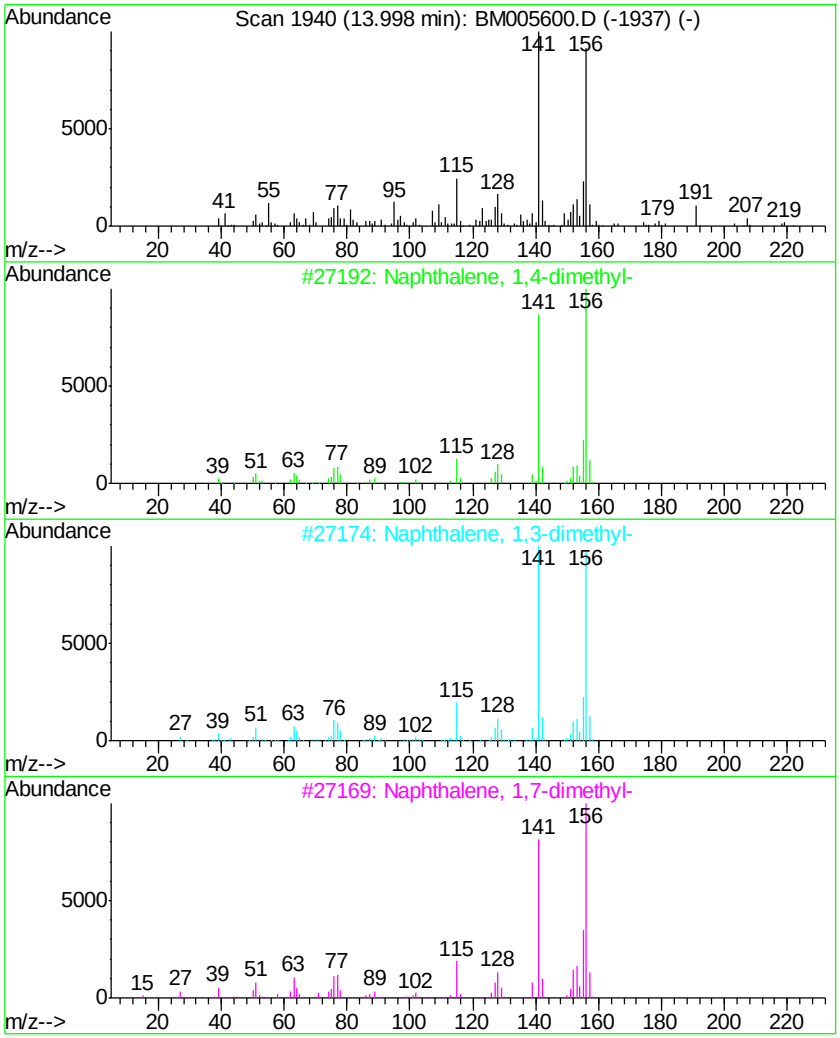
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

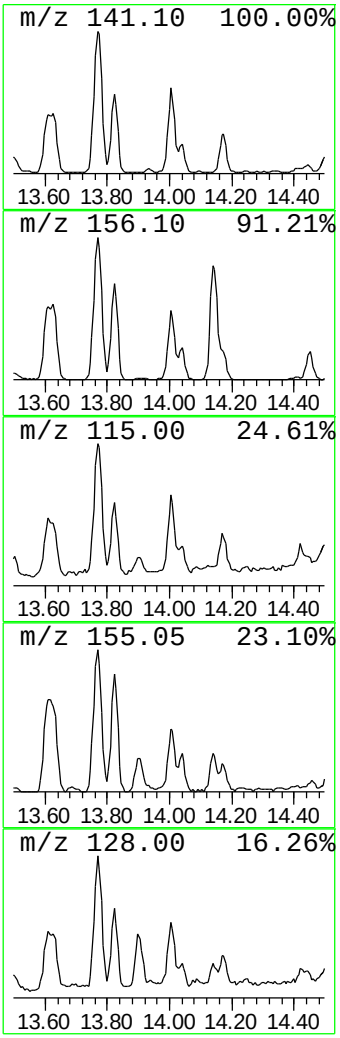
****

Peak Number 6 Naphthalene, 1,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.00	3.98 ng/ul	441768	Acenaphthene-d10	14.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	96
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005600.D
Acq On : 22 May 2016 23:17
Operator : UM/SJ
Sample : H3124-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGF1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

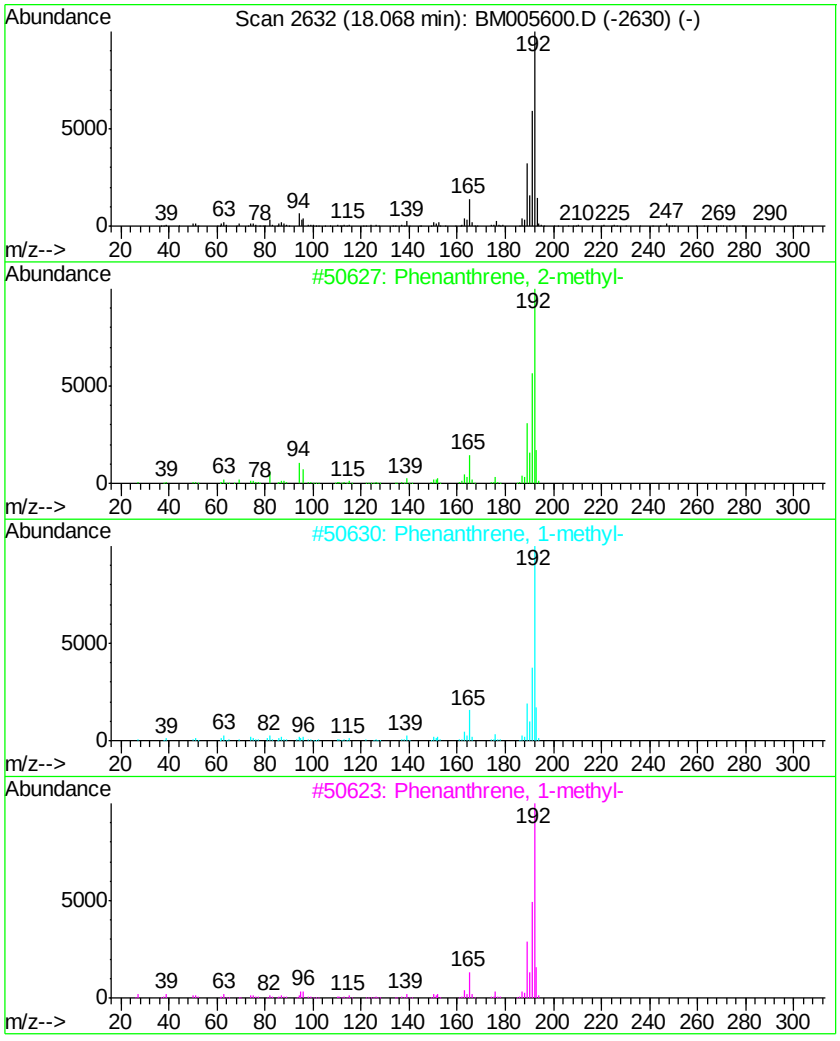
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

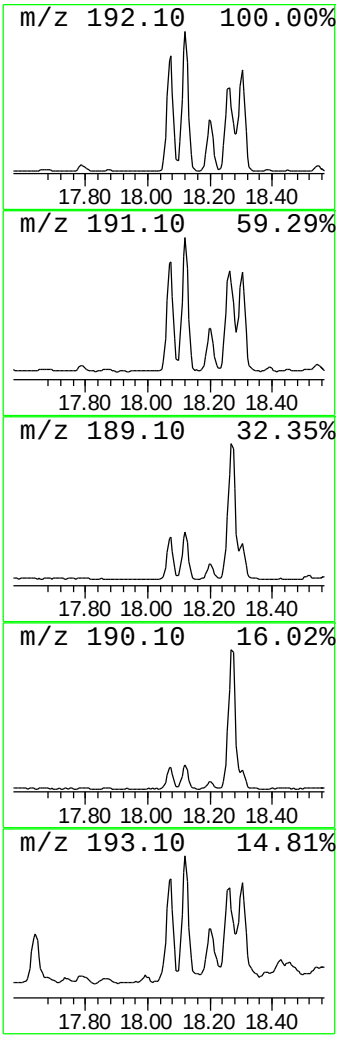
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	14.78 ng/ul	816171	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005600.D
Acq On : 22 May 2016 23:17
Operator : UM/SJ
Sample : H3124-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGF1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

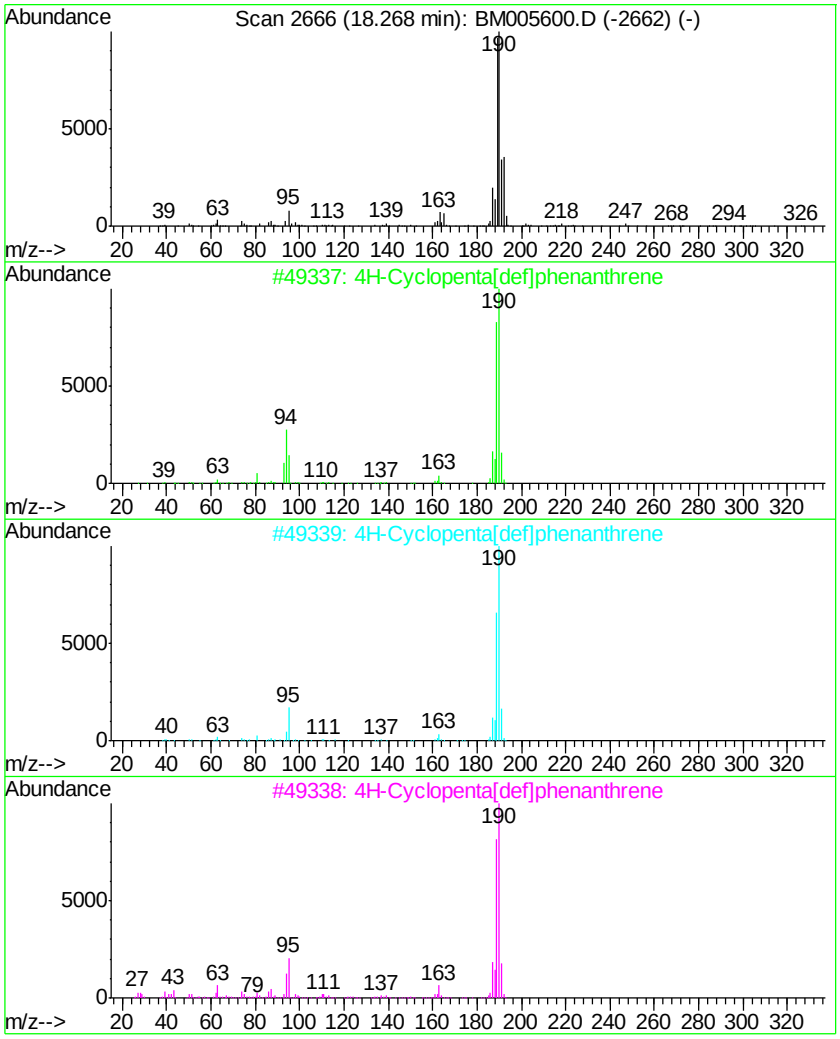
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

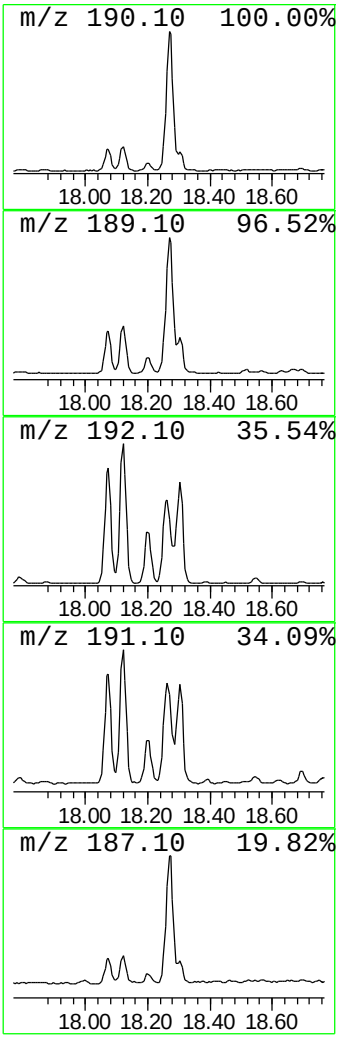
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	35.97 ng/ul	1986620	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	53
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005600.D
Acq On : 22 May 2016 23:17
Operator : UM/SJ
Sample : H3124-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGF1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.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
Indene	8.35	5.2	ng/ul	220765	1	7.82	855392	20.0
Naphthalene, 1-me...	12.49	2.8	ng/ul	198613	2	10.60	1396560	20.0
Benzene, 1,3,5-tr...	13.46	4.1	ng/ul	457269	3	14.45	2219060	20.0
Naphthalene, 2,7-...	13.62	3.6	ng/ul	395706	3	14.45	2219060	20.0
Naphthalene, 2,3-...	13.77	5.5	ng/ul	614802	3	14.45	2219060	20.0
Naphthalene, 1,4-...	14.00	4.0	ng/ul	441768	3	14.45	2219060	20.0
Phenanthrene, 2-m...	18.07	14.8	ng/ul	816171	4	17.20	1104620	20.0
4H-Cyclopenta[def...	18.27	36.0	ng/ul	1986620	4	17.20	1104620	20.0