LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005609.D
Acq On : 23 May 2016 04:44
Operator : UM/SJ
Sample : H3087-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK2

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	3.810	200	208	217	rBV	47373	70337	1.62%	0.233%
2	7.022	747	754	765	rVB	276890	461044	10.59%	1.525%
3	7.163	770	778	785	rBV	200846	308199	7.08%	1.019%
4	7.375	807	814	820	rVB	281891	453960	10.43%	1.502%
5	7.834	884	892	899	rVB	394140	634716	14.58%	2.099%
6	8.557	1008	1015	1021	rBV	331649	560905	12.88%	1.855%
7	8.992	1082	1089	1097	rVB	267134	443978	10.20%	1.469%
8	9.710	1205	1211	1221	rVB	213031	364535	8.37%	1.206%
9	10.263	1299	1305	1314	rBV	354568	603655	13.87%	1.997%
10	10.628	1356	1367	1373	rBV	529167	942544	21.65%	3.118%
11	10.769	1384	1391	1402	rBV	229772	435228	10.00%	1.440%
12	13.651	1874	1881	1888	rVB4	26078	68984	1.58%	0.228%
13	13.792	1900	1905	1911	rBV	76878	143429	3.29%	0.474%
14	13.880	1911	1920	1924	rVV	601331	937874	21.54%	3.102%
15	13.922	1924	1927	1935	rVB	385291	557484	12.80%	1.844%
16	14.169	1962	1969	1981	rBV2	705606	1347549	30.95%	4.457%
17	14.474	2011	2021	2028	rBV2	793358	1291486	29.66%	4.272%
18	14.539	2028	2032	2039	rVB2	70755	122958	2.82%	0.407%
19	14.704	2051	2060	2067	rBV	264265	444097	10.20%	1.469%
20	14.874	2084	2089	2094	rVB	71572	109124	2.51%	0.361%
21	15.092	2121	2126	2131	rBV3	38969	73009	1.68%	0.241%
22	15.469	2184	2190	2195	rBV	862695	1227483	28.19%	4.060%
23	15.521	2195	2199	2208	rVB	208374	321688	7.39%	1.064%
24	15.604	2210	2213	2217	rBV2	48272	71001	1.63%	0.235%
25	16.174	2306	2310	2312	rBV3	85377	127990	2.94%	0.423%
26	17.221	2483	2488	2491	rBV	924212	1384208	31.79%	4.578%
27	17.262	2491	2495	2500	rVV	1820140	2576861	59.19%	8.523%
28	17.321	2500	2505	2508	rVV	900112	1389547	31.92%	4.596%
29	17.351	2508	2510	2516	rVB	487844	620514	14.25%	2.052%
30	18.092	2632	2636	2640	rBV	356603	498364	11.45%	1.648%
31	18.139	2641	2644	2650	rVB	392558	576764	13.25%	1.908%
32	18.292	2665	2670	2674	rBV2	531144	939329	21.58%	3.107%
33	18.592	2718	2721	2725	rVB	302260	376875	8.66%	1.247%
34	19.280	2833	2838	2843	rBV	3202740	4353775	100.00%	14.401%

LSC Area Percent Report

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Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK2

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	19.615	2891	2895	2897	rBV2	1120716	1776596	40.81%	5.876%
36	19.645	2897	2900	2906	rVB	2732978	3617120	83.08%	11.964%

Sum of corrected areas: 30233210

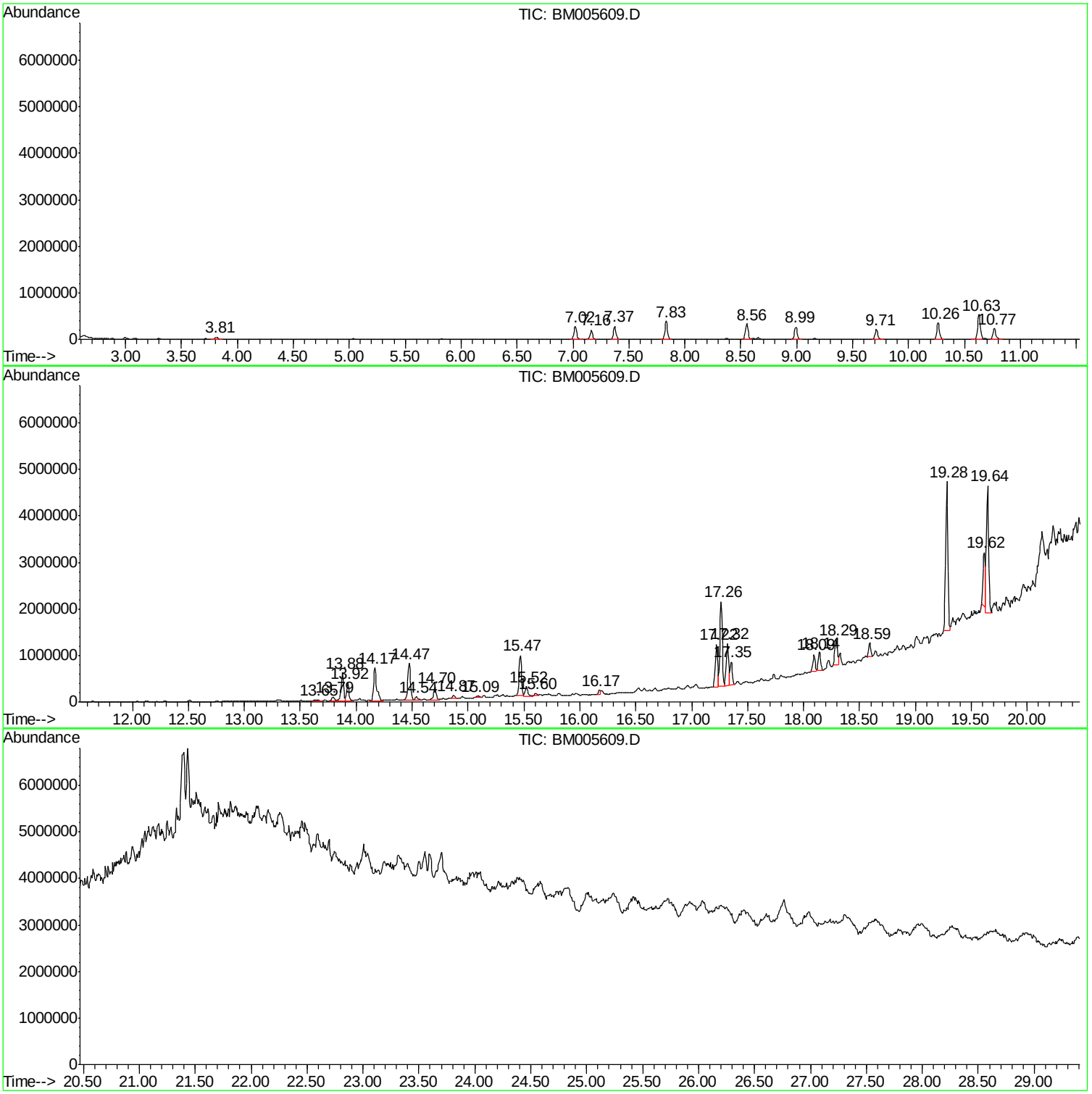
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005609.D
Acq On : 23 May 2016 04:44
Operator : UM/SJ
Sample : H3087-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK2

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 : BM005609.D
Acq On : 23 May 2016 04:44
Operator : UM/SJ
Sample : H3087-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK2

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

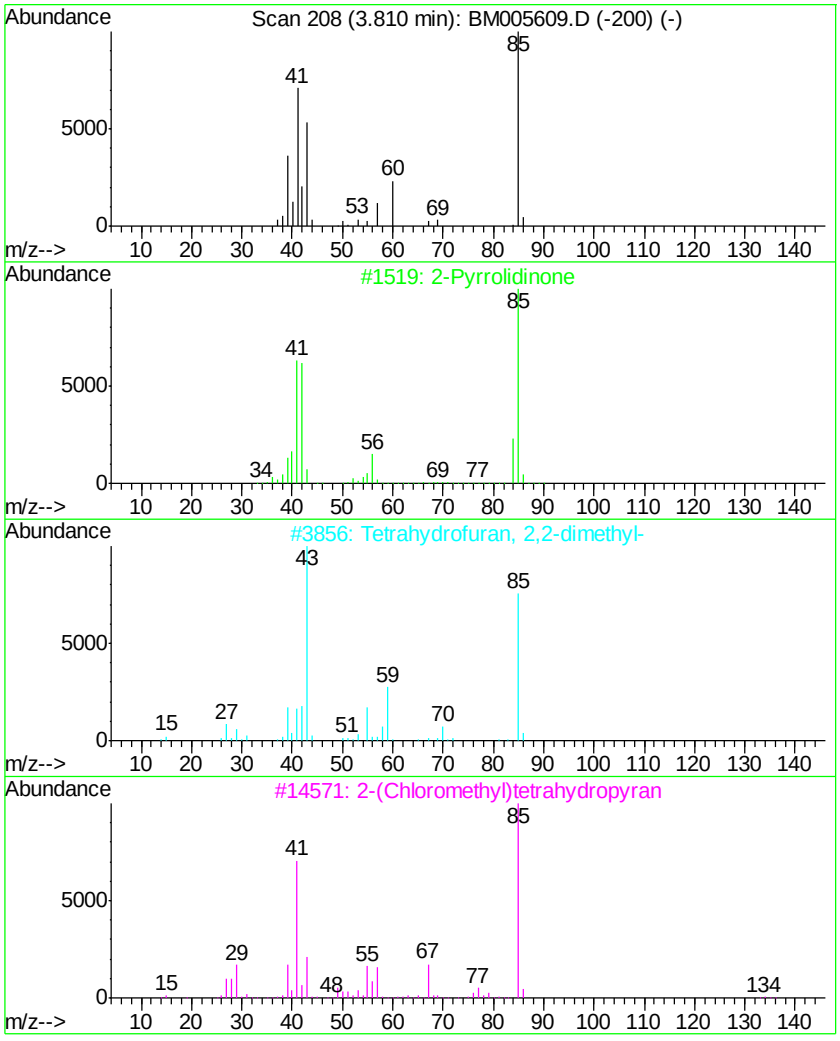
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

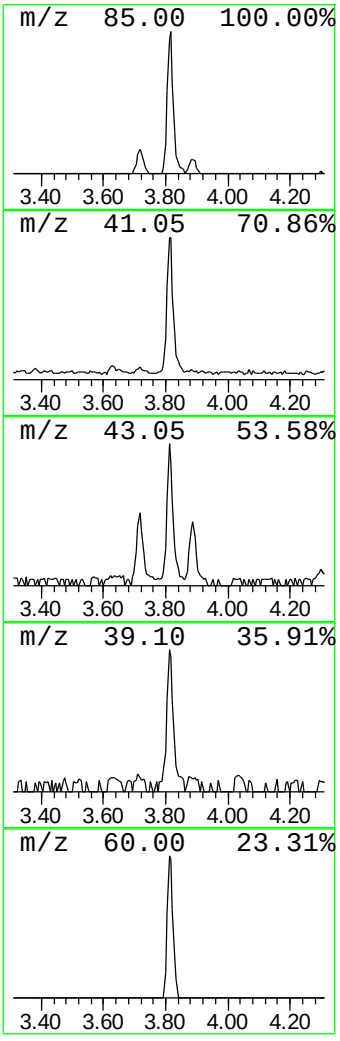
****

Peak Number 1 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.81	2.22 ng/ul	70337	1,4-Dichlorobenzene-d4	7.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pyrrolidinone	85	C4H7NO	000616-45-5	40
2	Tetrahydrofuran, 2,2-dimethyl-	100	C6H12O	001003-17-4	33
3	2-(Chloromethyl)tetrahydropyran	134	C6H11ClO	018420-41-2	33
4	Methacrylamide	85	C4H7NO	000079-39-0	17
5	2-Pyrrolidinone	85	C4H7NO	000616-45-5	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005609.D
Acq On : 23 May 2016 04:44
Operator : UM/SJ
Sample : H3087-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK2

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

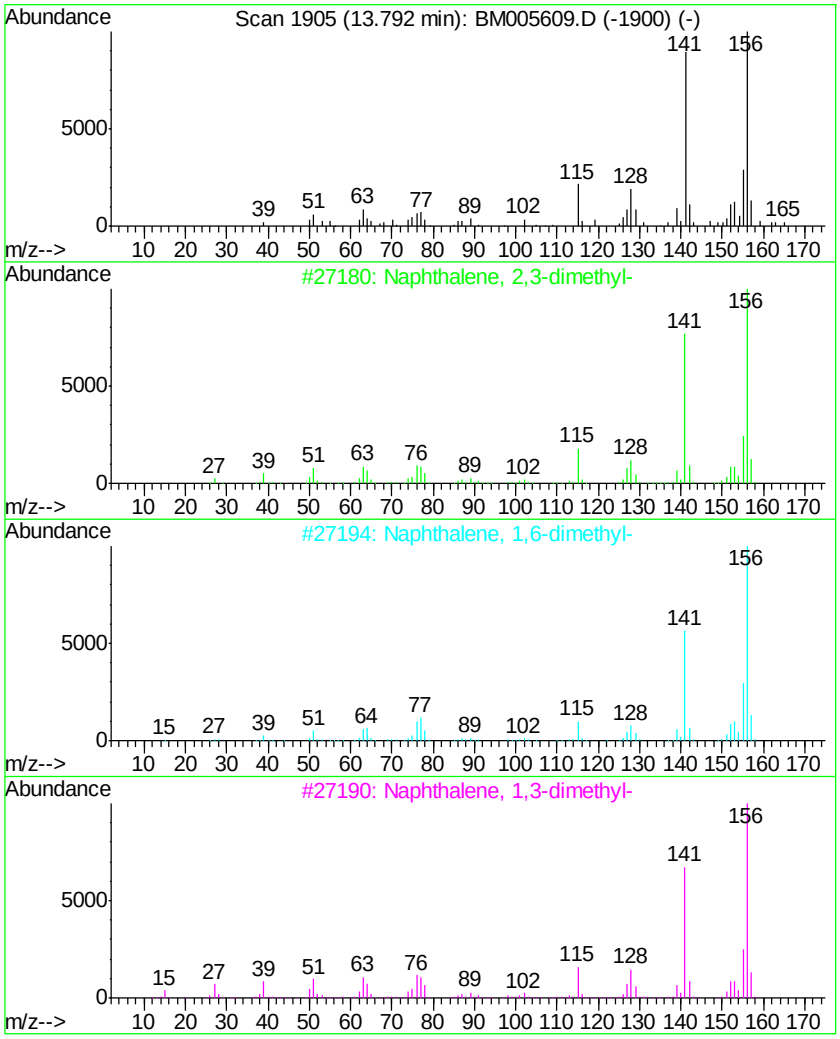
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

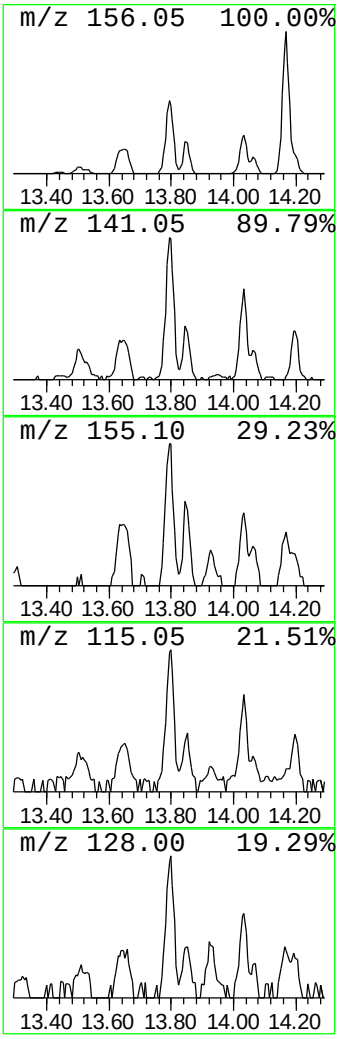
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	2.22 ng/ul	143429	Acenaphthene-d10	14.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Library Search Compound Report

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Operator : UM/SJ
Sample : H3087-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK2

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

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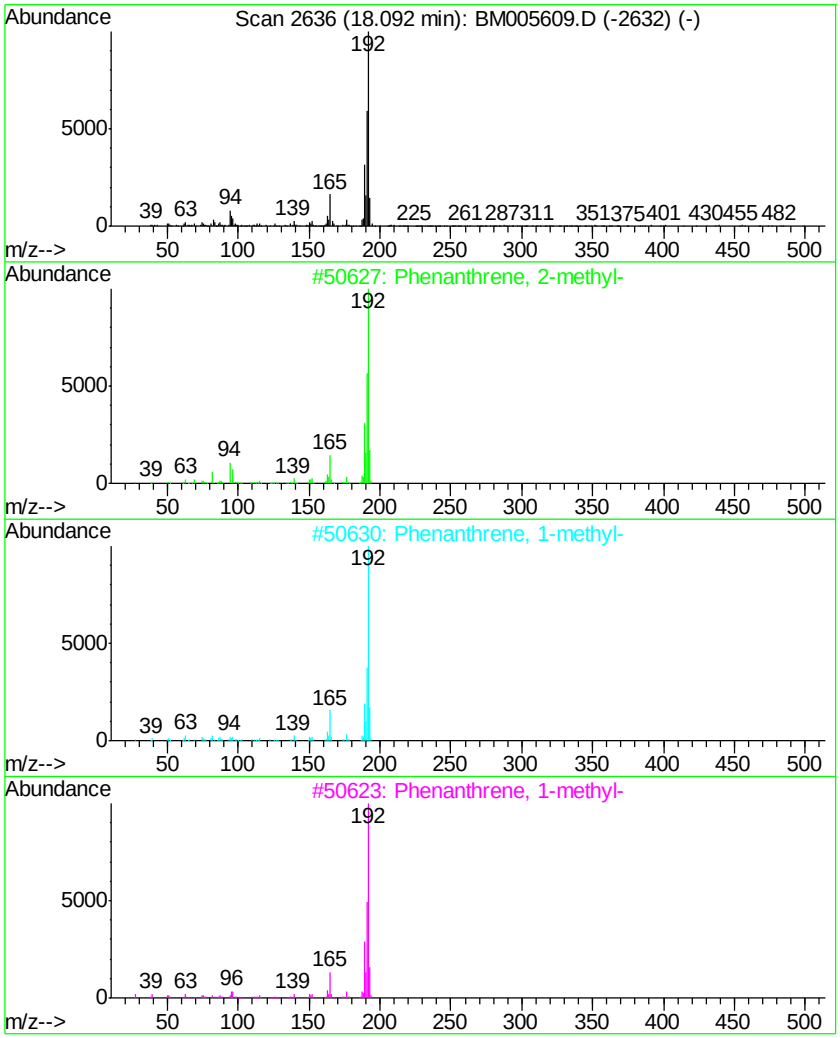
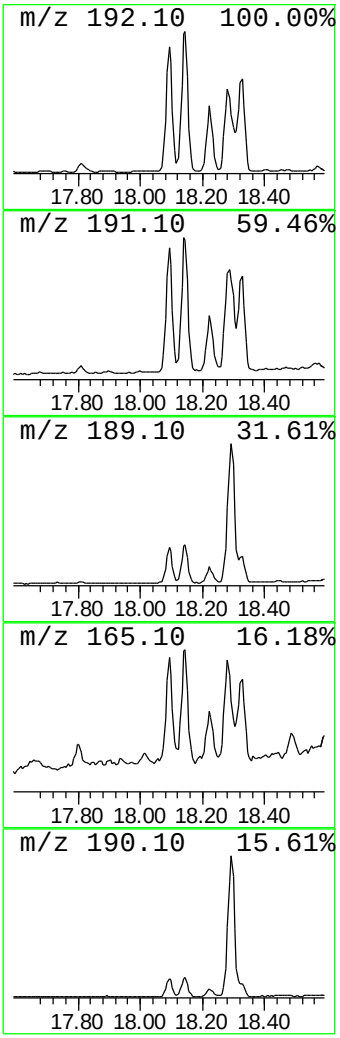
Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	7.20 ng/ul	498364	Phenanthrene-d10	17.22

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	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





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Operator : UM/SJ
Sample : H3087-07
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK2

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

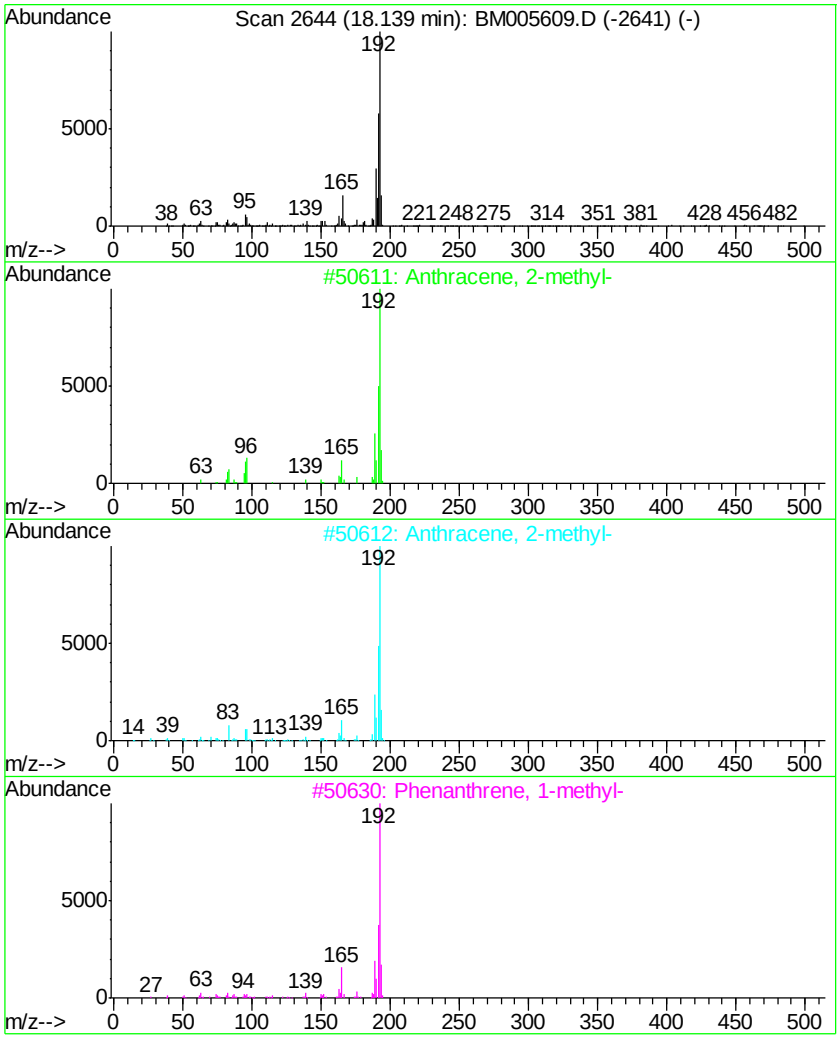
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

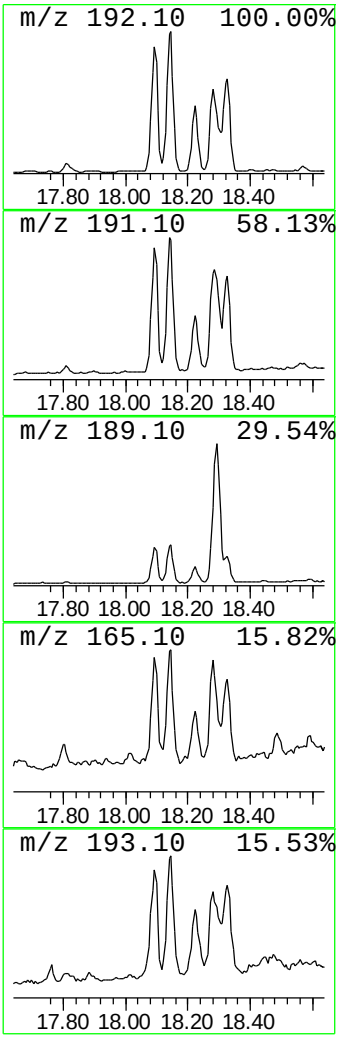
****

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	8.33 ng/ul	576764	Phenanthrene-d10	17.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





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Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK2

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

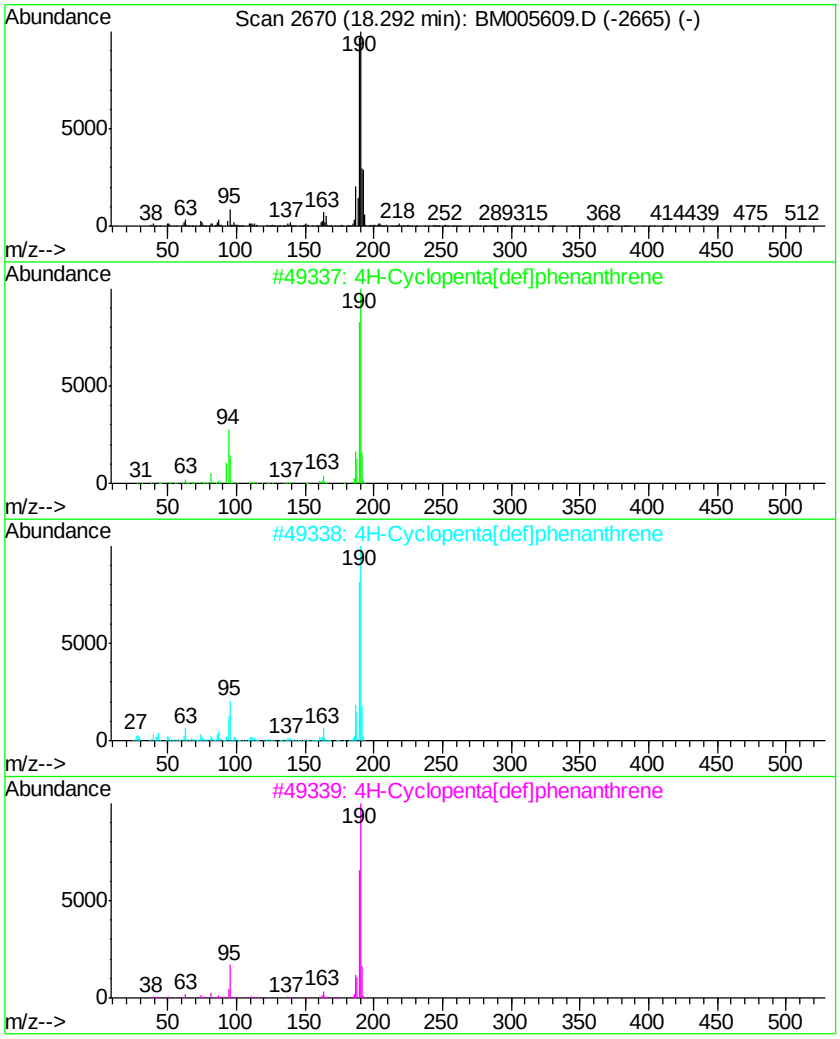
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

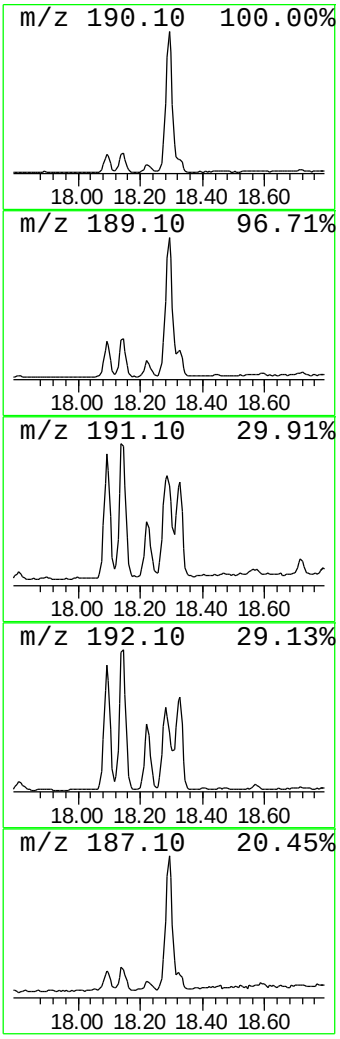
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	13.57 ng/ul	939329	Phenanthrene-d10	17.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	23





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Instrument : BNA_M
ClientSampleId : JHGK2

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

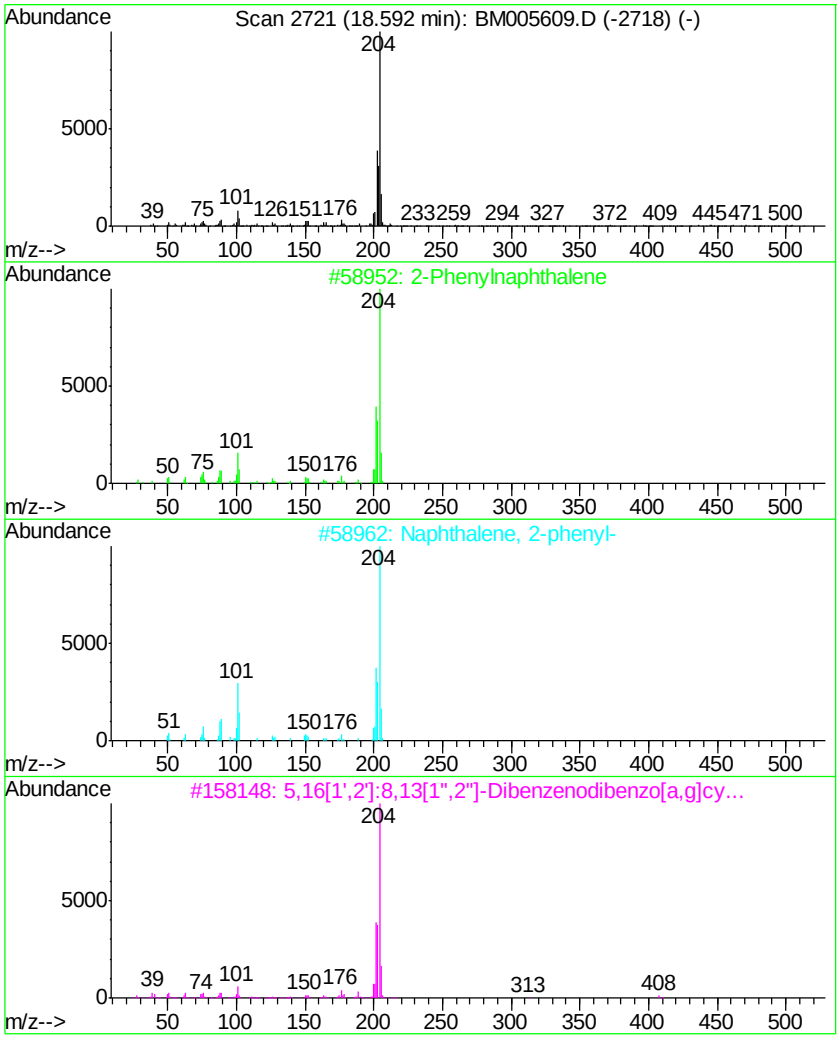
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

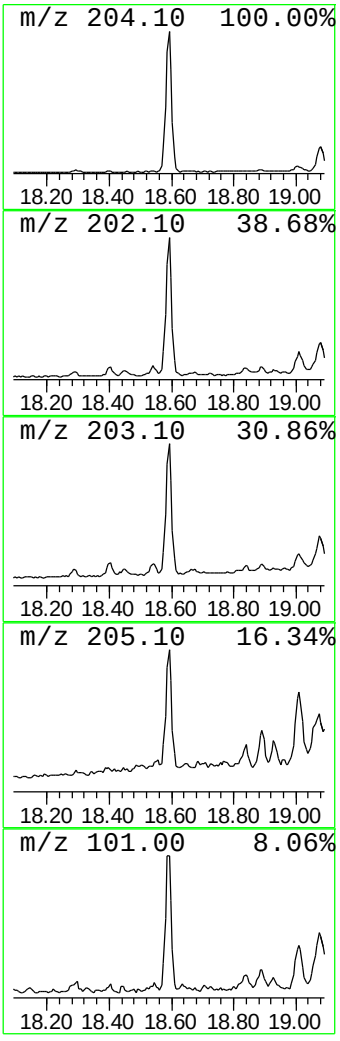
****

Peak Number 6 2-Phenylnaphthalene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	5.45 ng/ul	376875	Phenanthrene-d10	17.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	93
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60





Tentatively Identified Compound (LSC) summary

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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
unknown-01	3.81	2.2	ng/ul	70337	1	7.83	634716	20.0
Naphthalene, 2,3-...	13.79	2.2	ng/ul	143429	3	14.47	1291490	20.0
Phenanthrene, 2-m...	18.09	7.2	ng/ul	498364	4	17.22	1384210	20.0
Anthracene, 2-met...	18.14	8.3	ng/ul	576764	4	17.22	1384210	20.0
4H-Cyclopenta[def...	18.29	13.6	ng/ul	939329	4	17.22	1384210	20.0
2-Phenylnaphthalene	18.59	5.5	ng/ul	376875	4	17.22	1384210	20.0