LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013498.D
Acq On : 18 Dec 2017 14:48
Operator : SJ/JU
Sample : I6776-04MEDL 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A56MEDL

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\SOM-EPA-BM113017.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	7.675	773	780	788	rBV	659217	1066058	8.73%	2.279%
2	10.451	1245	1252	1260	rBV	956207	1577262	12.92%	3.372%
3	13.733	1805	1810	1815	rBV	114737	172629	1.41%	0.369%
4	14.010	1851	1857	1860	rBV	139001	227562	1.86%	0.487%
5	14.316	1899	1909	1917	rBV2	1356484	2103402	17.23%	4.497%
6	15.316	2074	2079	2084	rBV	171255	255454	2.09%	0.546%
7	17.068	2370	2377	2382	rBV	1688592	2426793	19.88%	5.189%
8	17.162	2388	2393	2396	rBV	192826	274885	2.25%	0.588%
9	17.198	2396	2399	2404	rVV	137076	199540	1.63%	0.427%
10	17.586	2461	2465	2472	rVB	195983	273080	2.24%	0.584%
11	18.139	2551	2559	2563	rBV2	204790	385729	3.16%	0.825%
12	18.445	2607	2611	2615	rBV2	93344	137671	1.13%	0.294%
13	18.492	2615	2619	2623	rVV3	134460	184779	1.51%	0.395%
14	18.862	2679	2682	2689	rVB6	79202	138420	1.13%	0.296%
15	19.009	2702	2707	2713	rBV	1060404	1512173	12.39%	3.233%
16	19.133	2722	2728	2734	rVB	7020848	9187634	75.25%	19.644%
17	19.374	2765	2769	2774	rVV	185860	240712	1.97%	0.515%
18	19.498	2779	2790	2798	rBV	8599336	12208983	100.00%	26.104%
19	19.568	2798	2802	2807	rBV2	118830	217249	1.78%	0.465%
20	19.674	2816	2820	2827	rVB	215241	314411	2.58%	0.672%
21	19.821	2840	2845	2852	rVB3	273882	643891	5.27%	1.377%
22	19.956	2863	2868	2869	rBV3	248740	322001	2.64%	0.688%
23	20.151	2896	2901	2904	rVV2	343304	553121	4.53%	1.183%
24	20.186	2904	2907	2911	rVB	144370	184904	1.51%	0.395%
25	20.286	2921	2924	2928	rVV	163808	198323	1.62%	0.424%
26	20.333	2929	2932	2937	rVB2	178340	233948	1.92%	0.500%
27	20.739	2998	3001	3006	rVB	416347	524871	4.30%	1.122%
28	20.898	3024	3028	3033	rBV2	307481	512899	4.20%	1.097%
29	20.945	3033	3036	3039	rVV	277257	312078	2.56%	0.667%
30	20.980	3039	3042	3047	rVV	267248	350464	2.87%	0.749%
31	21.039	3048	3052	3056	rVB	321349	410111	3.36%	0.877%
32	21.256	3082	3089	3093	rBV2	2008486	4305372	35.26%	9.205%
33	21.297	3093	3096	3108	rVB	1473373	2105932	17.25%	4.503%
34	22.815	3349	3354	3359	rBV2	603689	1291354	10.58%	2.761%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013498.D
Acq On : 18 Dec 2017 14:48
Operator : SJ/JU
Sample : I6776-04MEDL 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A56MEDL

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\SOM-EPA-BM113017.M
Title : SVOA CALIBRATION

35	23.286	3431	3434	3439	rVB	204381	313126	2.56%	0.669%
36	23.480	3462	3467	3474	rVB	830955	1403413	11.49%	3.001%

Sum of corrected areas: 46770234

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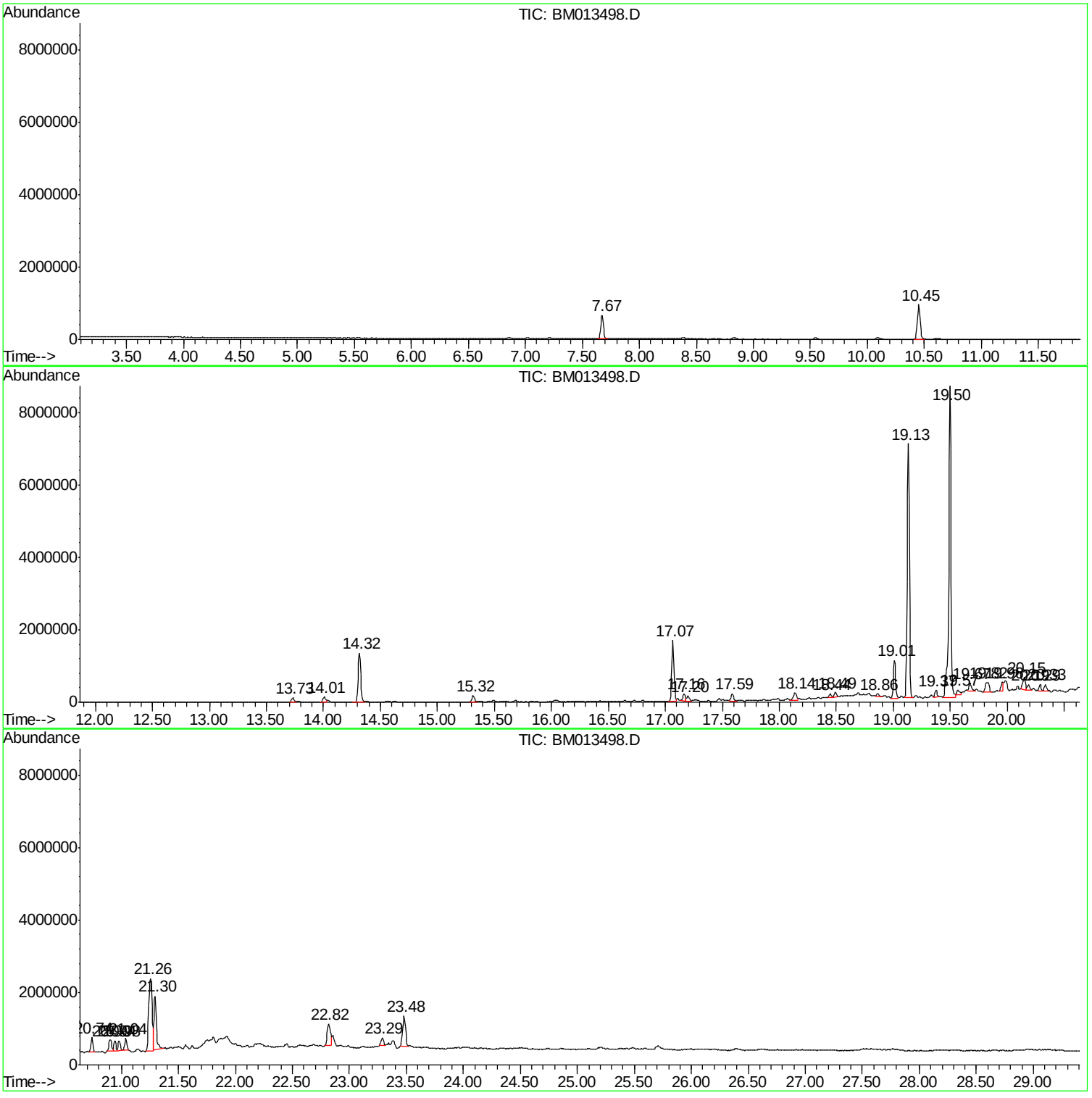
Sample : I6776-04MEDL 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9A56MEDL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013498.D
Acq On : 18 Dec 2017 14:48
Operator : SJ/JU
Sample : I6776-04MEDL 20X
Misc :
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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

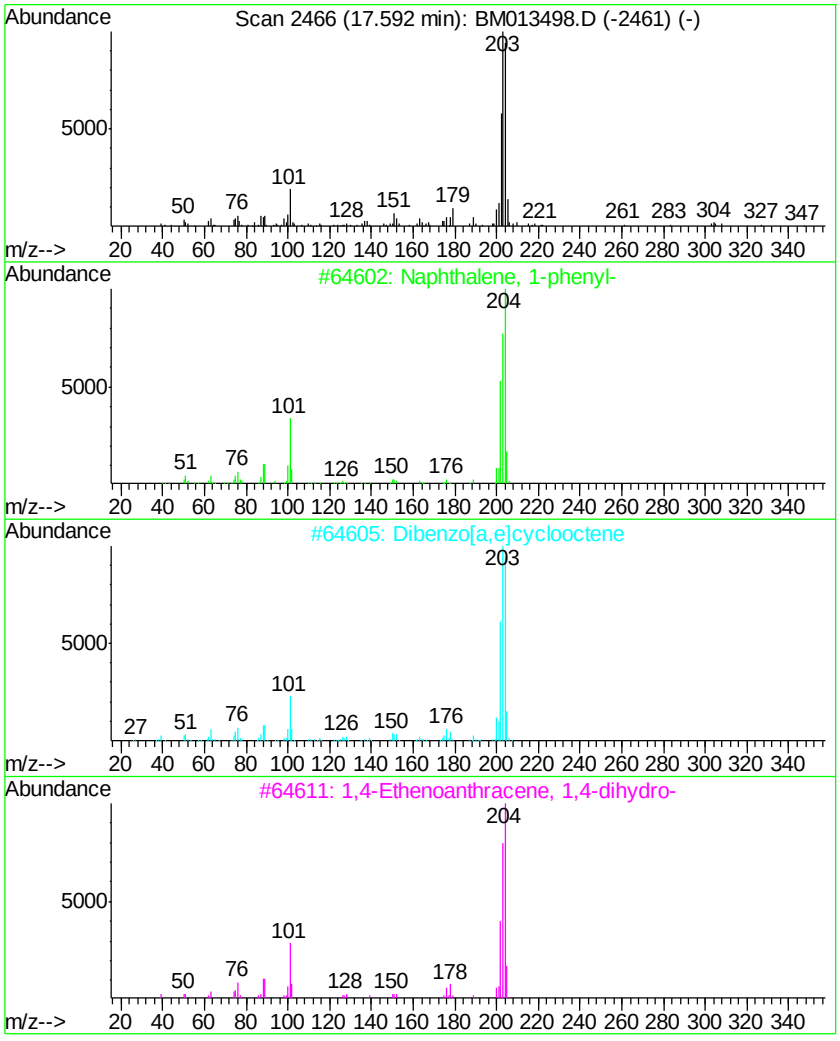
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

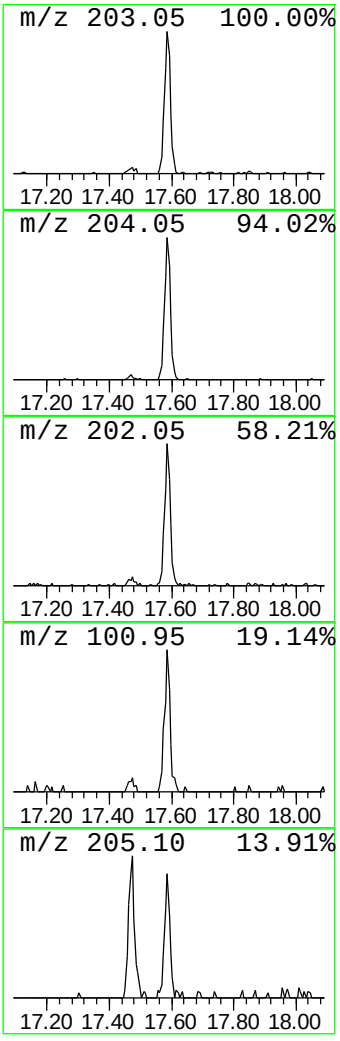
****

Peak Number 1 Naphthalene, 1-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.59	2.25 ng/ul	273080	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	94
2	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	94
3	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	90
4	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	90
5	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	89





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013498.D
Acq On : 18 Dec 2017 14:48
Operator : SJ/JU
Sample : I6776-04MEDL 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A56MEDL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

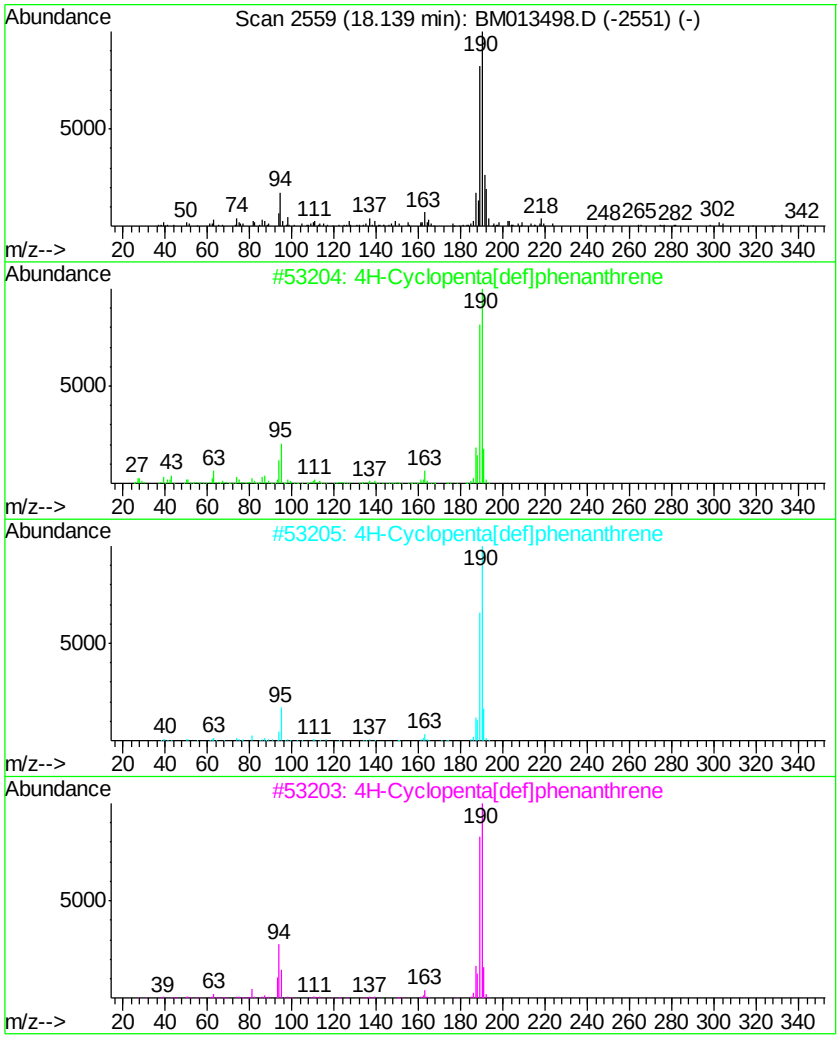
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

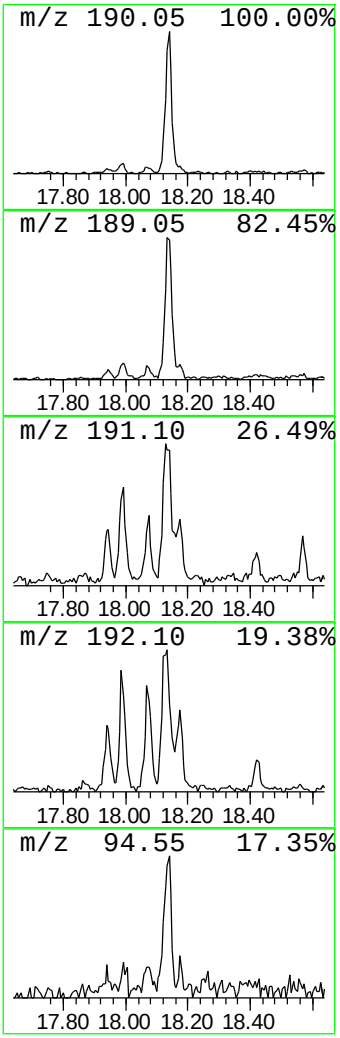
****

Peak Number 2 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	3.18 ng/ul	385729	Phenanthrene-d10	17.07

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	74
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
4	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	32
5	Megastigmatrienone	190	C13H18O	038818-55-2	25





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013498.D
Acq On : 18 Dec 2017 14:48
Operator : SJ/JU
Sample : I6776-04MEDL 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A56MEDL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

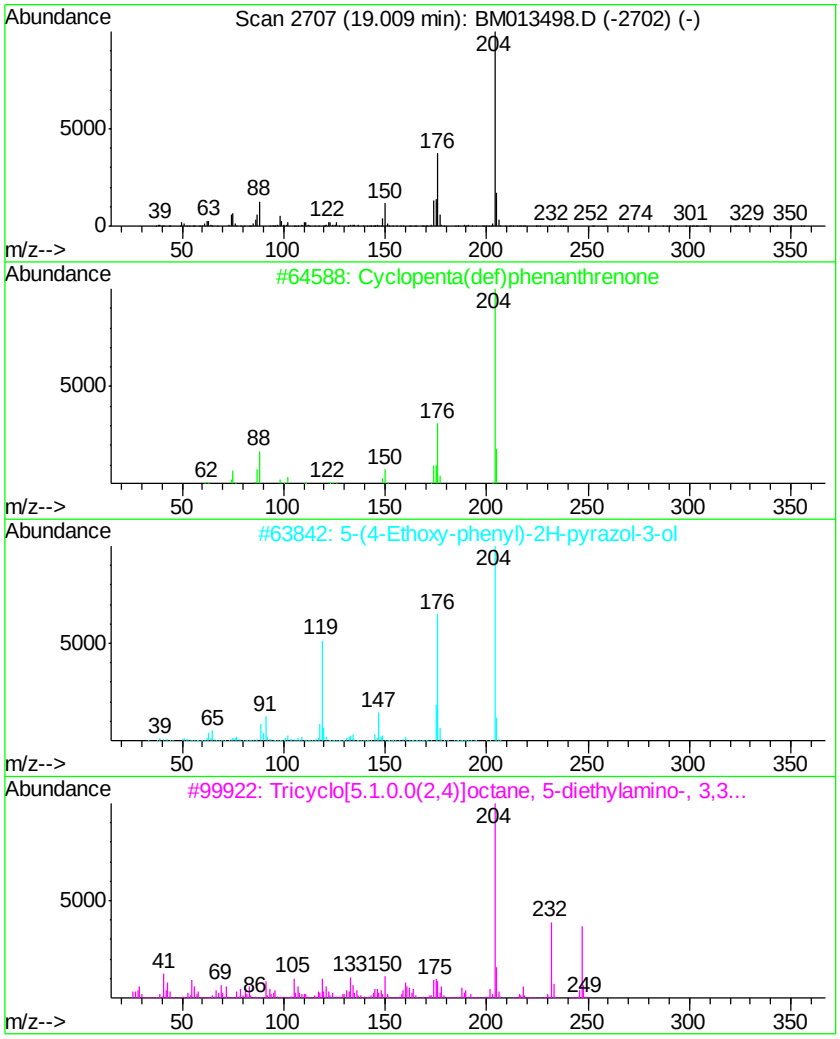
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

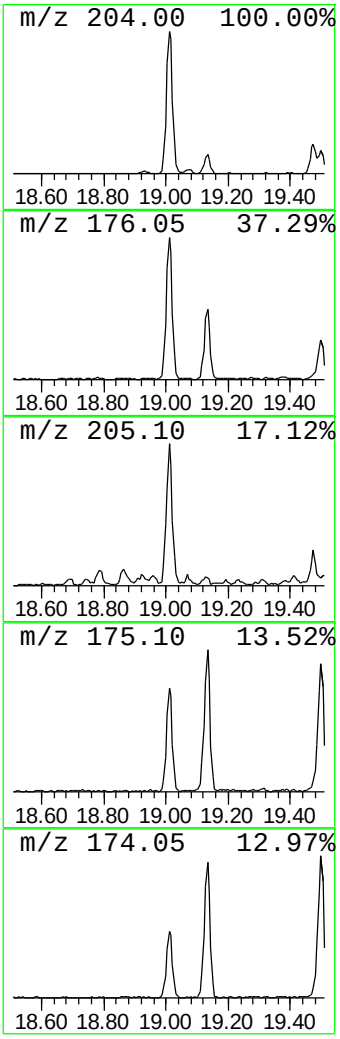
****

Peak Number 3 Cyclopenta(def)phenanthrenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.01	12.46 ng/ul	1512170	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	59
3	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	59
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
5	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	47





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013498.D
Acq On : 18 Dec 2017 14:48
Operator : SJ/JU
Sample : I6776-04MEDL 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A56MEDL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

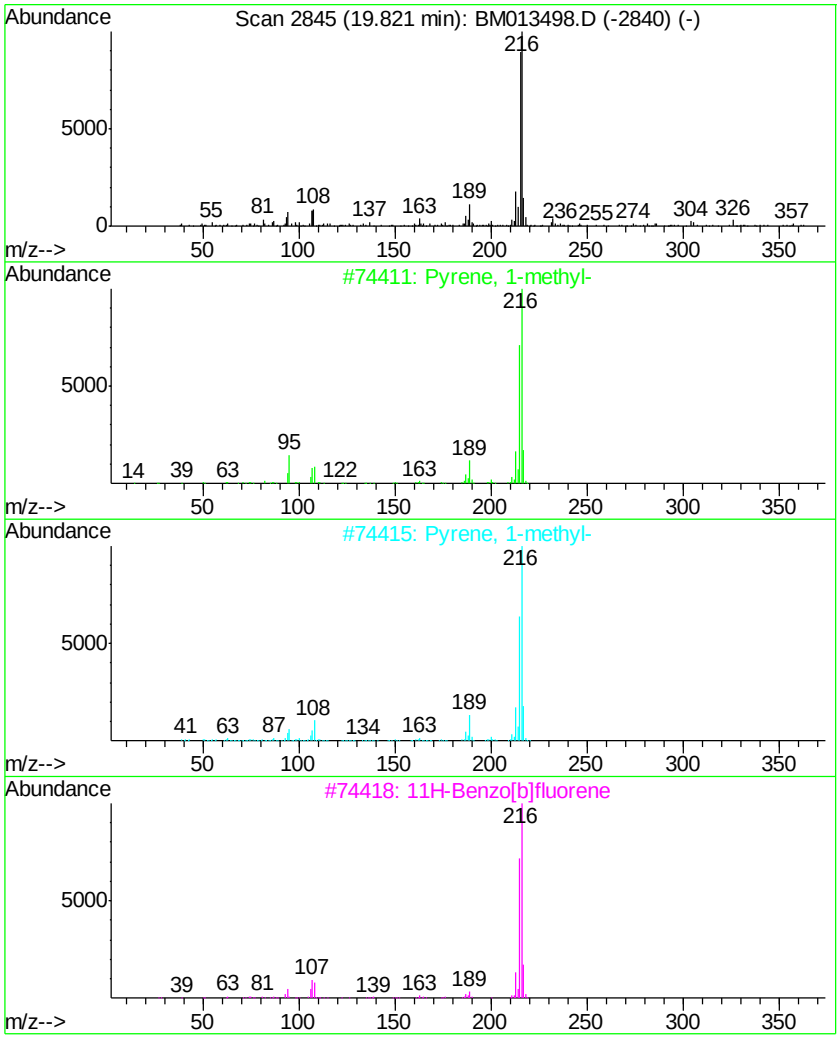
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

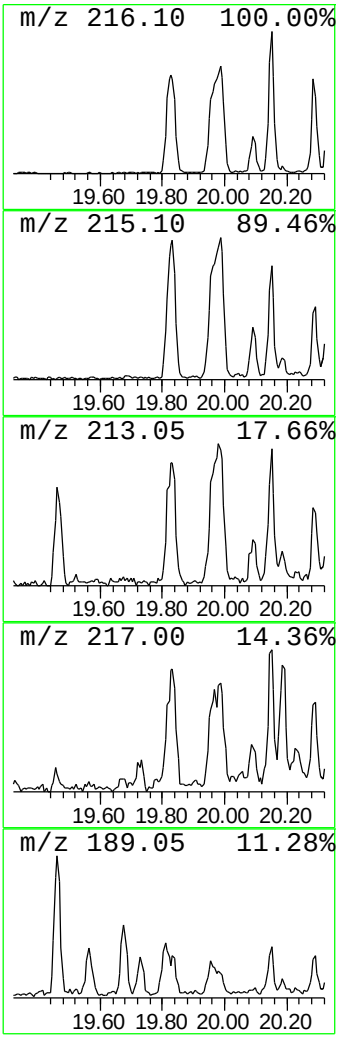
****

Peak Number 4 Pyrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.82	2.99 ng/ul	643891	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013498.D
Acq On : 18 Dec 2017 14:48
Operator : SJ/JU
Sample : I6776-04MEDL 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A56MEDL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

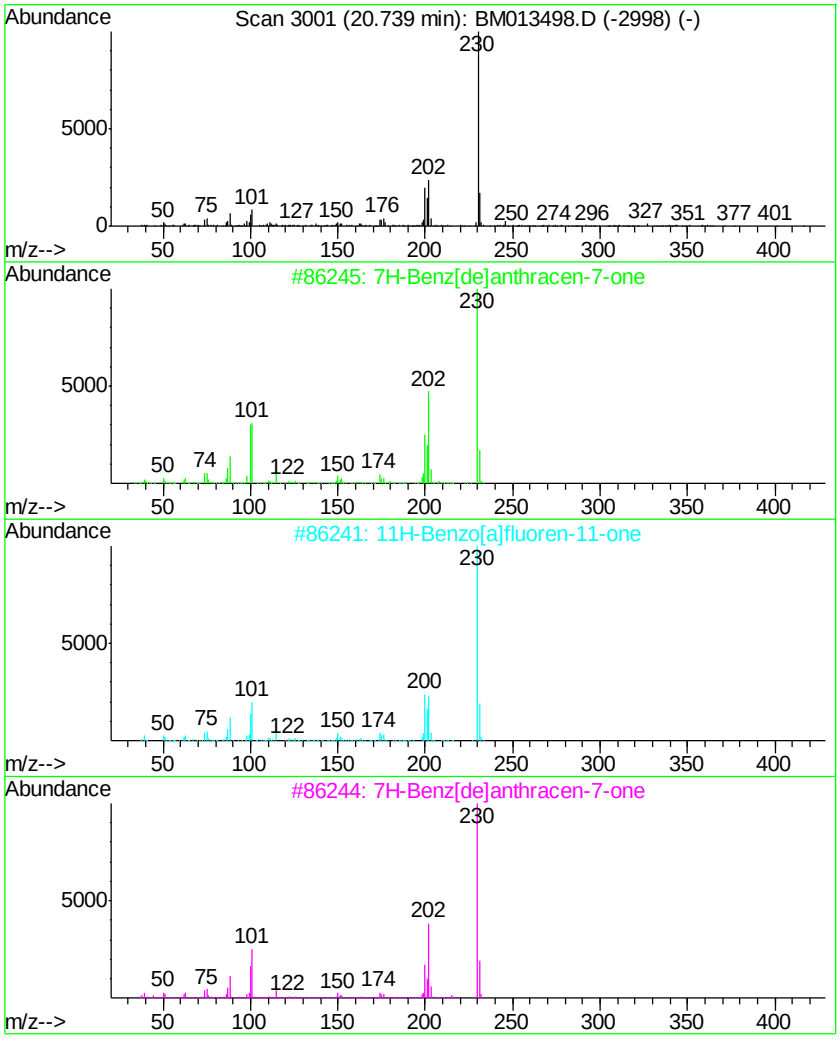
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

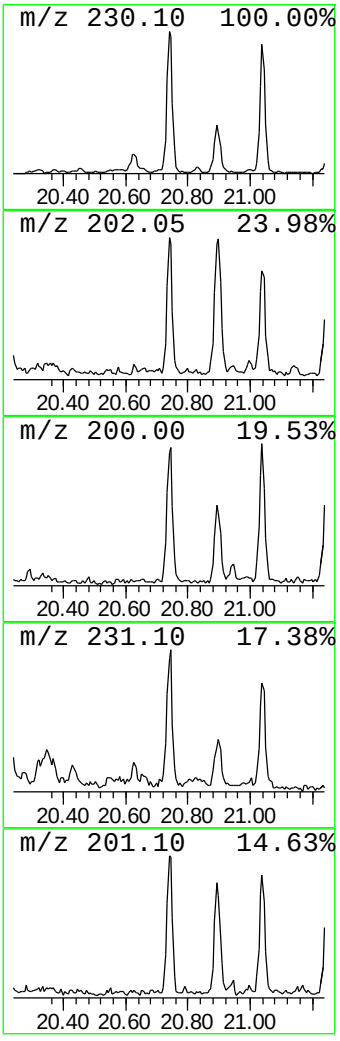
****

Peak Number 6 7H-Benz[de]anthracen-7-one Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.74	2.44 ng/ul	524871	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	87
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	68





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013498.D
Acq On : 18 Dec 2017 14:48
Operator : SJ/JU
Sample : I6776-04MEDL 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A56MEDL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

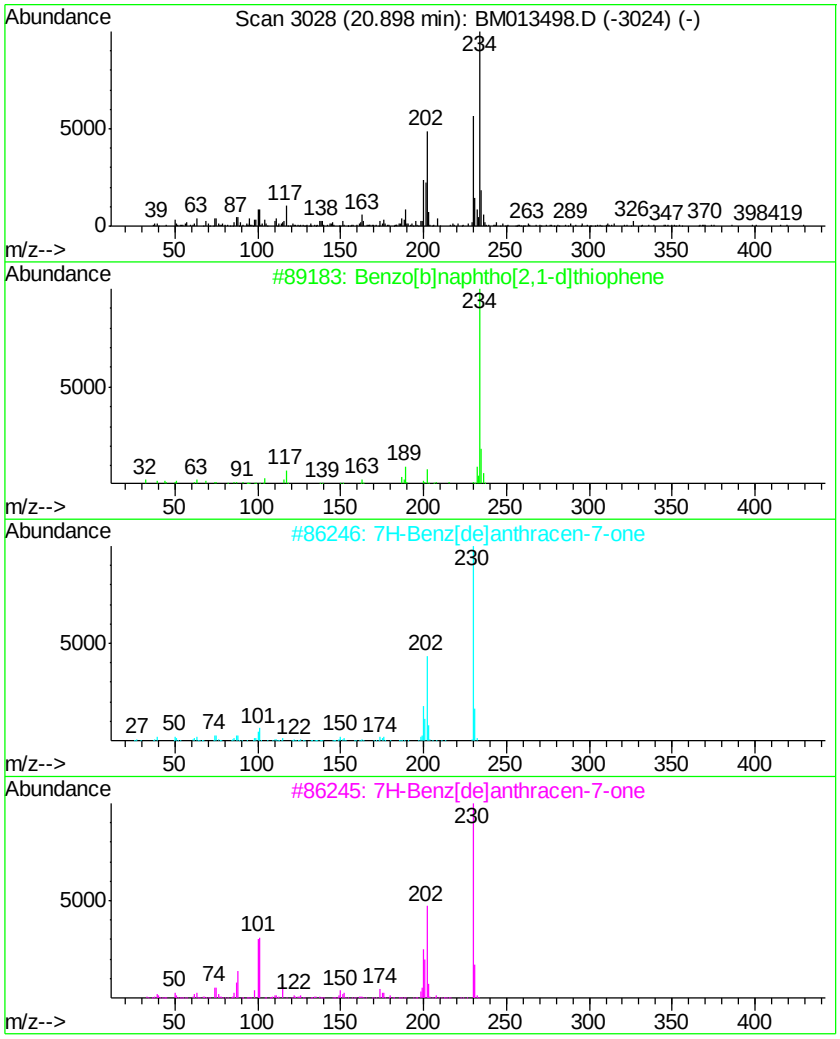
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

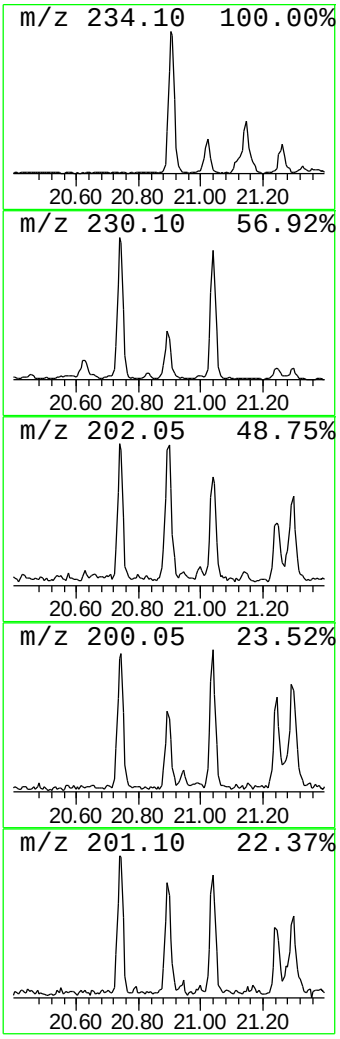
****

Peak Number 7 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.90	2.38 ng/ul	512899	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	50
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	50
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	49
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	46
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	46





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013498.D
Acq On : 18 Dec 2017 14:48
Operator : SJ/JU
Sample : I6776-04MEDL 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A56MEDL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

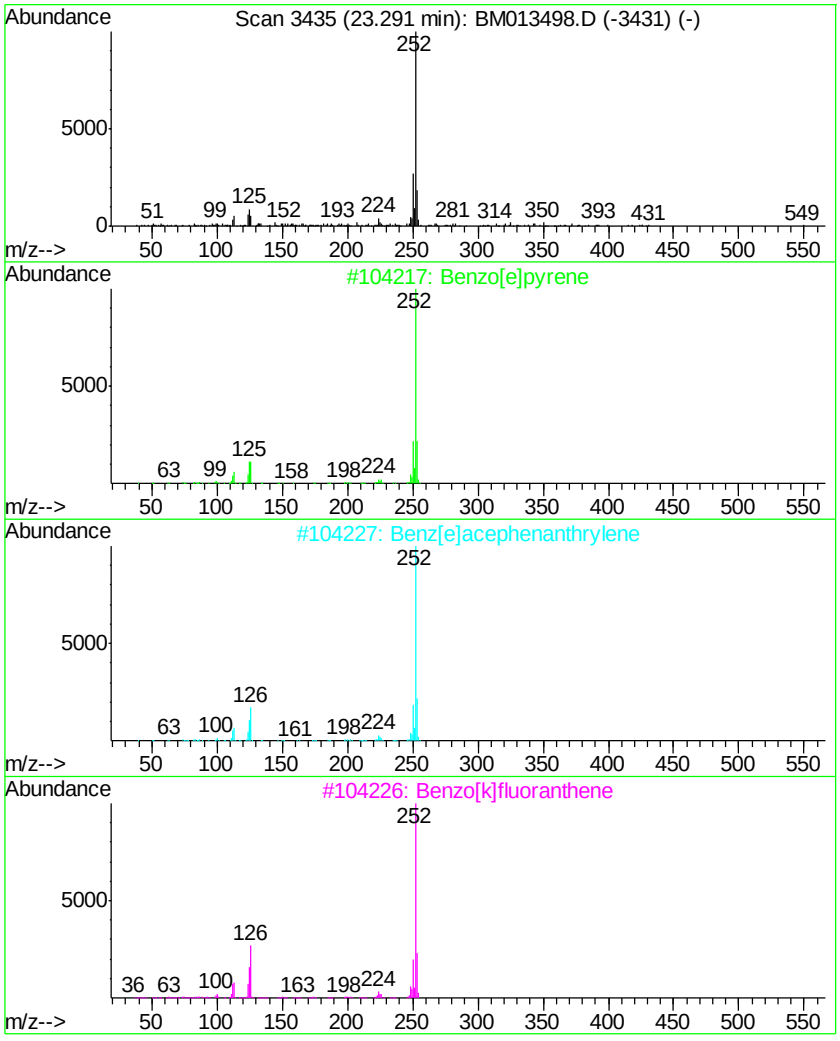
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

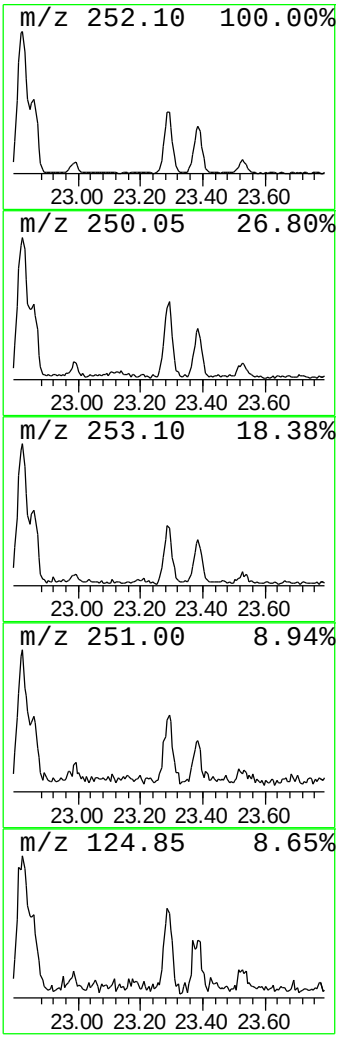
****

Peak Number 8 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.29	4.46 ng/ul	313126	Perylene-d12	23.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Perylene	252	C20H12	000198-55-0	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013498.D
Acq On : 18 Dec 2017 14:48
Operator : SJ/JU
Sample : I6776-04MEDL 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A56MEDL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 1-ph...	17.59	2.3	ng/ul	273080	4	17.07	2426790	20.0
4H-Cyclopenta[def...	18.14	3.2	ng/ul	385729	4	17.07	2426790	20.0
Cyclopenta(def)ph...	19.01	12.5	ng/ul	1512170	4	17.07	2426790	20.0
Pyrene, 1-methyl-	19.82	3.0	ng/ul	643891	5	21.26	4305370	20.0
7H-Benz[de]anthra...	20.74	2.4	ng/ul	524871	5	21.26	4305370	20.0
Benzo[b]naphtho[2...	20.90	2.4	ng/ul	512899	5	21.26	4305370	20.0
Benzo[e]pyrene	23.29	4.5	ng/ul	313126	6	23.48	1403410	20.0