LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012485.D
Acq On : 27 Oct 2017 14:19
Operator : SJ/JU
Sample : I5719-07 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-25(0.5-1.5)-100517

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-BM102417.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	3.152	7	11	25	rVB	286744	474730	1.54%	0.223%
2	3.881	130	135	140	rVB	326212	428457	1.39%	0.201%
3	5.534	411	416	425	rBV	211671	410398	1.33%	0.193%
4	7.051	665	674	689	rVB2	563022	1328965	4.31%	0.624%
5	7.210	695	701	707	rBV	387448	590419	1.92%	0.277%
6	7.416	730	736	745	rVB	545891	875498	2.84%	0.411%
7	7.881	807	815	825	rBV	1752190	2879247	9.34%	1.352%
8	8.234	869	875	884	rVB2	227694	393683	1.28%	0.185%
9	8.586	929	935	942	rVB	620918	977789	3.17%	0.459%
10	9.039	1006	1012	1019	rVB	430886	698356	2.27%	0.328%
11	9.757	1128	1134	1140	rVB	378607	614694	1.99%	0.289%
12	10.298	1216	1226	1235	rVB	651994	1152249	3.74%	0.541%
13	10.675	1279	1290	1296	rBV	2144972	3797956	12.32%	1.783%
14	13.304	1732	1737	1740	rBV2	190484	324333	1.05%	0.152%
15	13.916	1836	1841	1846	rBV	998928	1568725	5.09%	0.736%
16	13.963	1846	1849	1854	rVB	499505	660488	2.14%	0.310%
17	14.204	1885	1890	1895	rBV	1167980	1754620	5.69%	0.824%
18	14.515	1934	1943	1949	rBV2	2965690	4739644	15.38%	2.225%
19	14.574	1949	1953	1962	rVB	289850	473605	1.54%	0.222%
20	14.715	1972	1977	1984	rBV	372821	643761	2.09%	0.302%
21	15.504	2106	2111	2116	rVB	1464860	1994512	6.47%	0.936%
22	15.557	2117	2120	2125	rVB	264991	345019	1.12%	0.162%
23	15.868	2168	2173	2178	rVB2	603701	846961	2.75%	0.398%
24	17.074	2374	2378	2386	rVB2	481233	772989	2.51%	0.363%
25	17.256	2404	2409	2412	rBV2	3655981	5125944	16.63%	2.406%
26	17.298	2412	2416	2421	rVV	6092832	8348268	27.09%	3.919%
27	17.351	2421	2425	2428	rVV2	1668116	2359518	7.66%	1.108%
28	17.386	2428	2431	2436	rVB	1468276	2020021	6.56%	0.948%
29	17.656	2473	2477	2483	rVB	1083103	1533287	4.98%	0.720%
30	18.133	2555	2558	2562	rBV2	572108	911456	2.96%	0.428%
31	18.174	2562	2565	2572	rVB	1150205	1701795	5.52%	0.799%
32	18.327	2586	2591	2595	rBV3	1470990	2406311	7.81%	1.130%
33	19.315	2753	2759	2764	rBV	16394699	23214108	75.33%	10.897%
34	19.645	2810	2815	2816	rBV2	5018091	6560668	21.29%	3.080%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012485.D
Acq On : 27 Oct 2017 14:19
Operator : SJ/JU
Sample : I5719-07 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-25(0.5-1.5)-100517

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-BM102417.M
Title : SVOA CALIBRATION

35	19.674	2816	2820	2827	rVB	15293695	21336477	69.24%	10.016%
36	20.162	2901	2903	2910	rVB	3352937	4270106	13.86%	2.004%
37	20.262	2917	2920	2924	rVB	3202564	3935731	12.77%	1.848%
38	21.415	3112	3116	3121	rBV3	18478970	30816388	100.00%	14.466%
39	21.468	3122	3125	3133	rVB	14346817	17974882	58.33%	8.438%
40	23.056	3390	3395	3400	rBV	12201027	28729935	93.23%	13.486%
41	23.650	3492	3496	3503	rVB	12776249	23037390	74.76%	10.814%

Sum of corrected areas: 213029383

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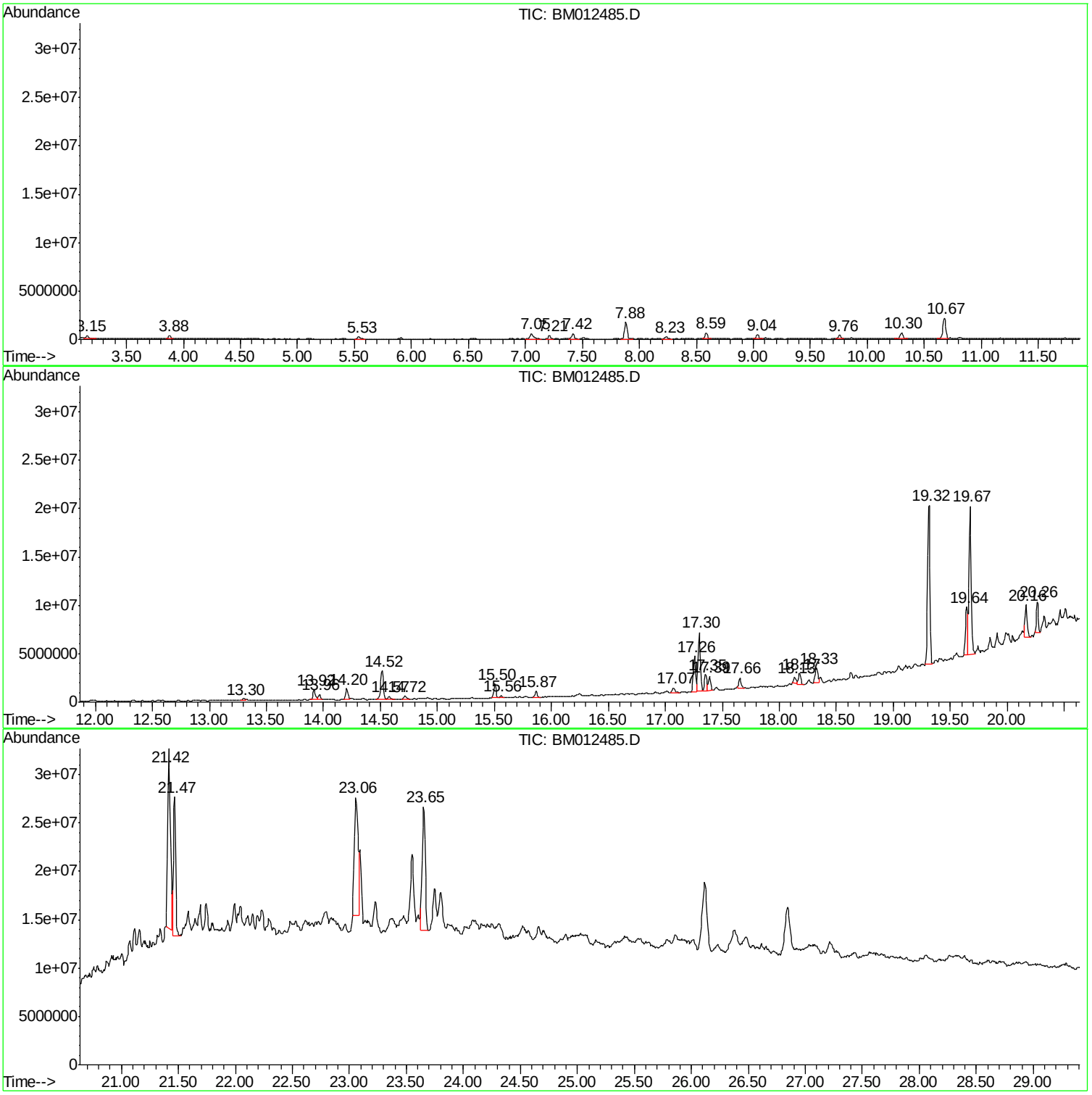
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-25(0.5-1.5)-100517

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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



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Operator : SJ/JU
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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

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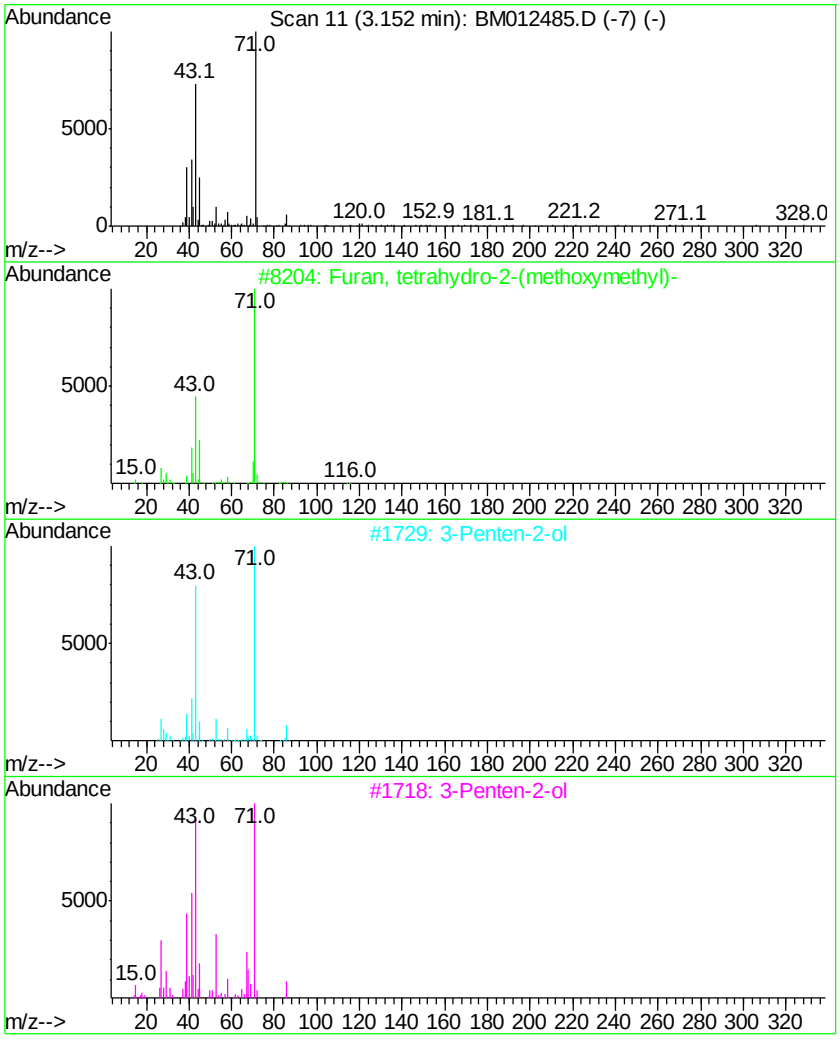
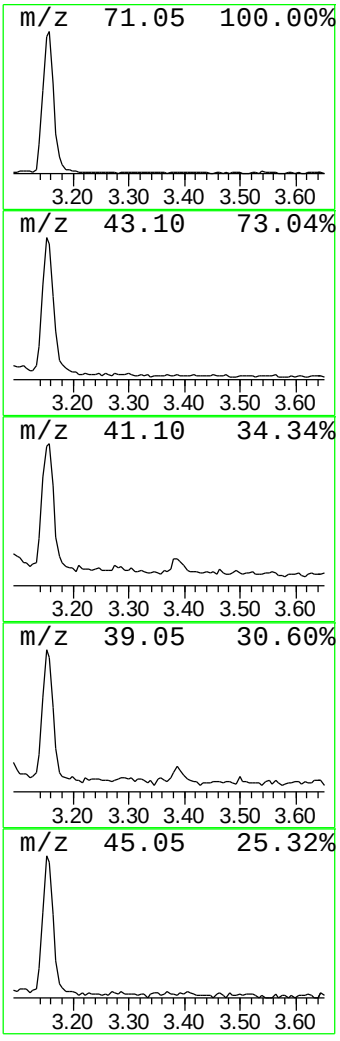
Peak Number 1 Furan, tetrahydro-2-(methox... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.15	3.30 ng/ul	474730	1,4-Dichlorobenzene-d4	7.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, tetrahydro-2-(methoxymeth...	116	C6H12O2	019354-27-9	64
2	3-Penten-2-ol	86	C5H10O	001569-50-2	64
3	3-Penten-2-ol	86	C5H10O	001569-50-2	59
4	Furan, tetrahydro-2-(methoxymeth...	116	C6H12O2	019354-27-9	58
5	Propanoic acid, 2-methyl-, anhyd...	158	C8H14O3	000097-72-3	53





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Instrument : BNA_M
ClientSampleId : B-25(0.5-1.5)-100517

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

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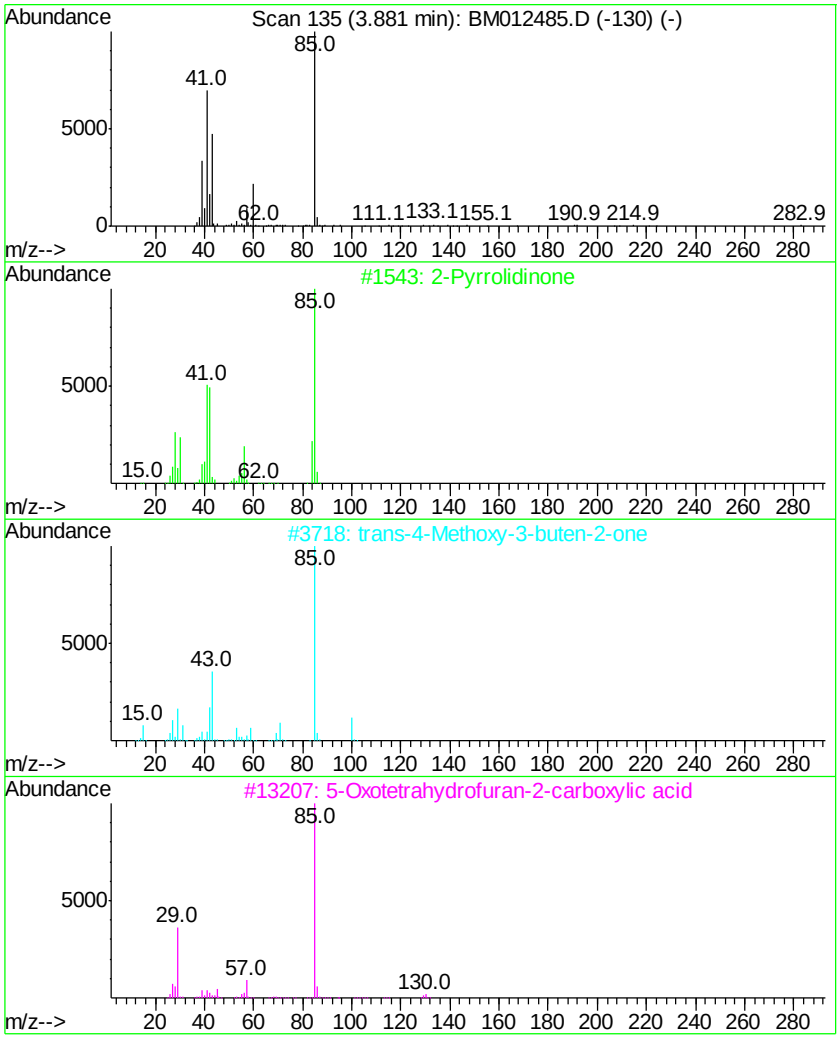
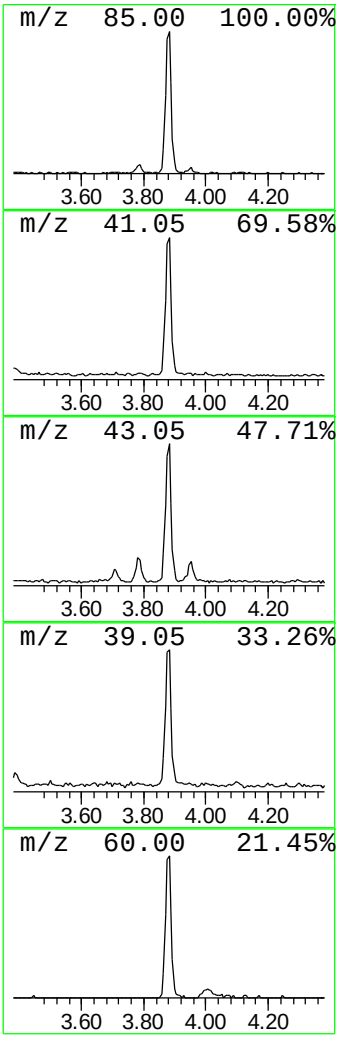
Peak Number 2 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.88	2.98 ng/ul	428457	1,4-Dichlorobenzene-d4	7.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pyrrolidinone	85	C4H7NO	000616-45-5	9
2	trans-4-Methoxy-3-buten-2-one	100	C5H8O2	051731-17-0	9
3	5-Oxotetrahydrofuran-2-carboxyli...	130	C5H6O4	004344-84-7	9
4	Valeric acid, 4-tridecyl ester	284	C18H36O2	1000281-99-0	9
5	1-Amino-2-butanol	89	C4H11NO	013552-21-1	9





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Data File : BM012485.D
Acq On : 27 Oct 2017 14:19
Operator : SJ/JU
Sample : I5719-07 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-25(0.5-1.5)-100517

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

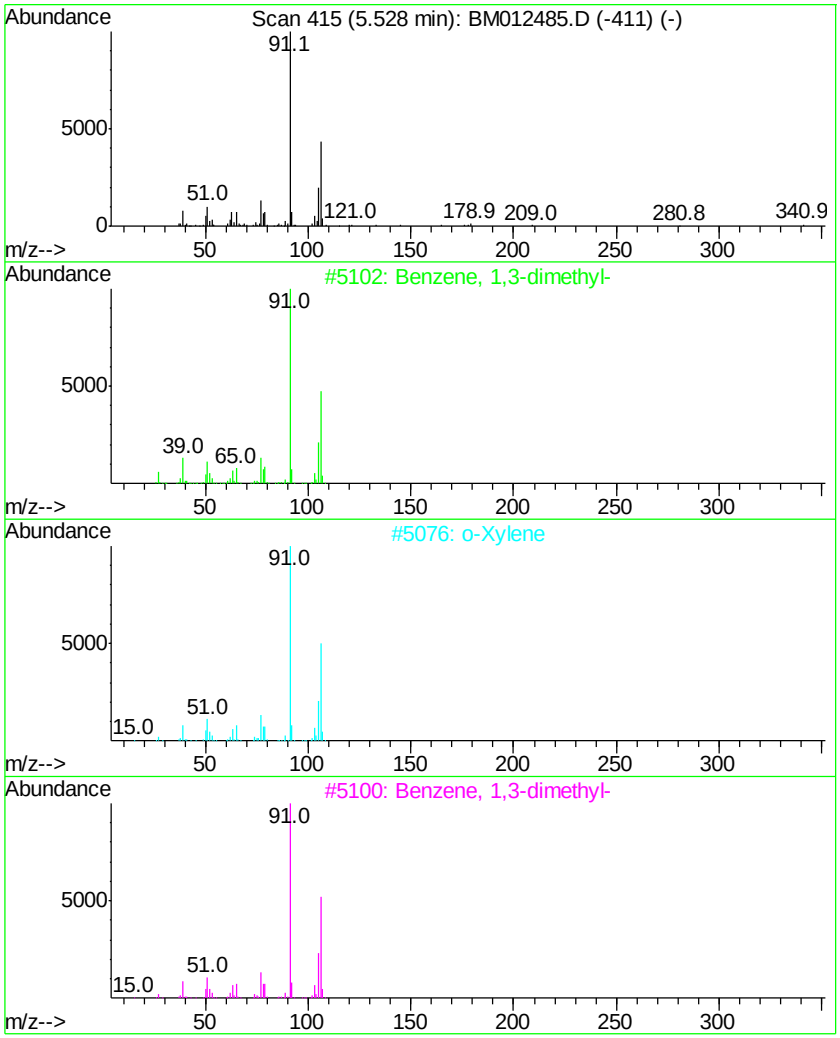
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

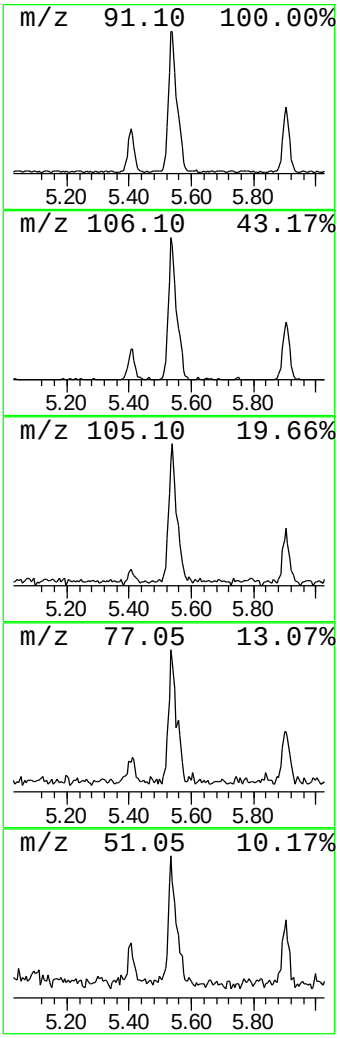
****

Peak Number 3 Benzene, 1,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	2.85 ng/ul	410398	1,4-Dichlorobenzene-d4	7.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
2	o-Xylene	106	C8H10	000095-47-6	97
3	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
4	p-Xylene	106	C8H10	000106-42-3	95
5	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	95





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-25(0.5-1.5)-100517

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

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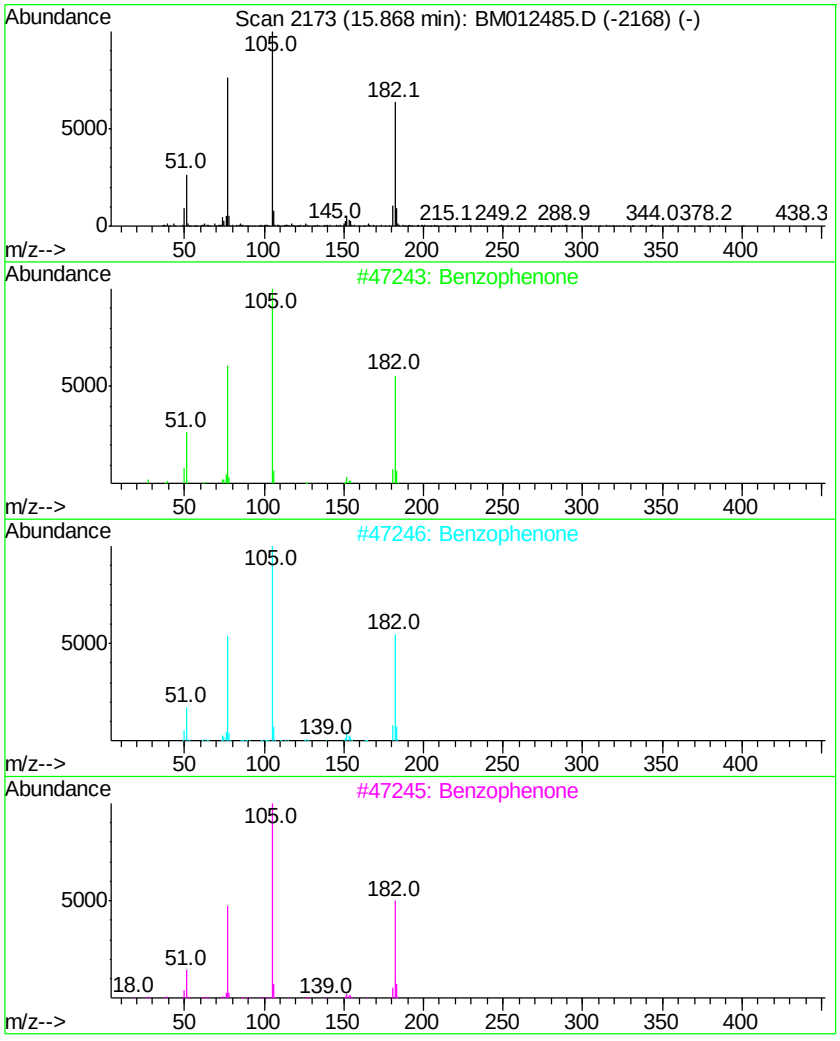
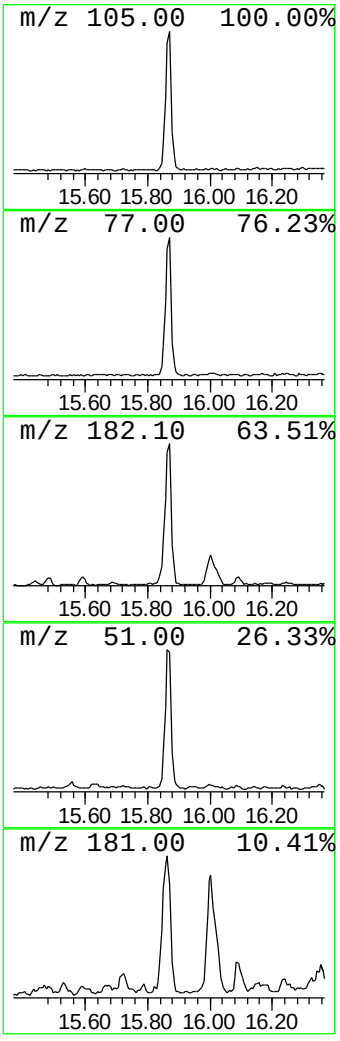
Peak Number 5 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.87	3.57 ng/ul	846961	Acenaphthene-d10	14.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Benzophenone	182	C13H10O	000119-61-9	95
3	Benzophenone	182	C13H10O	000119-61-9	83
4	Benzophenone	182	C13H10O	000119-61-9	76
5	1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
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Acq On : 27 Oct 2017 14:19
Operator : SJ/JU
Sample : I5719-07 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-25(0.5-1.5)-100517

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

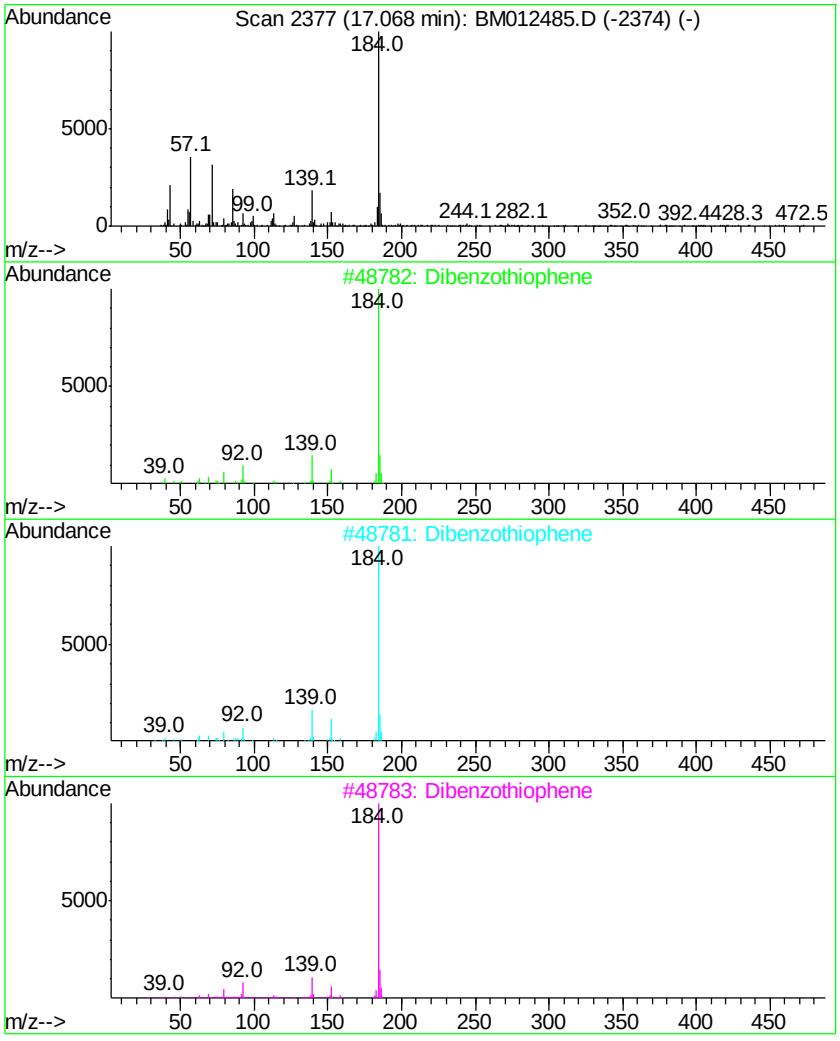
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

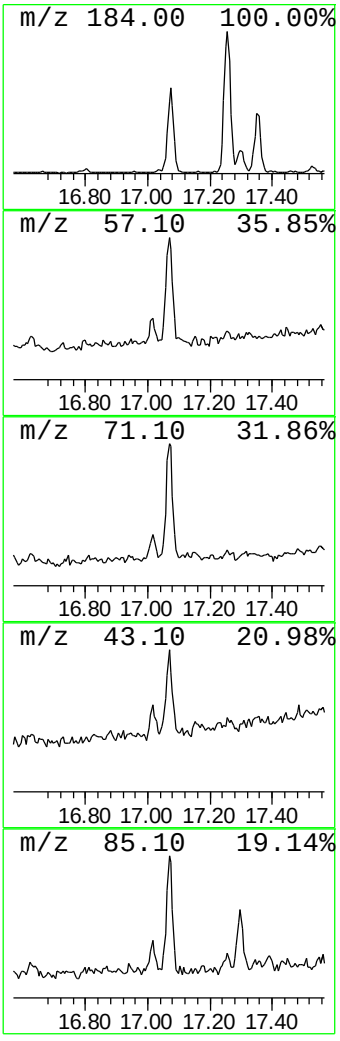
****

Peak Number 6 Dibenzothiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.07	3.02 ng/ul	772989	Phenanthrene-d10	17.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	89
2	Dibenzothiophene	184	C12H8S	000132-65-0	76
3	Dibenzothiophene	184	C12H8S	000132-65-0	76
4	Dibenzothiophene	184	C12H8S	000132-65-0	76
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	76





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Instrument : BNA_M
ClientSampleId : B-25(0.5-1.5)-100517

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

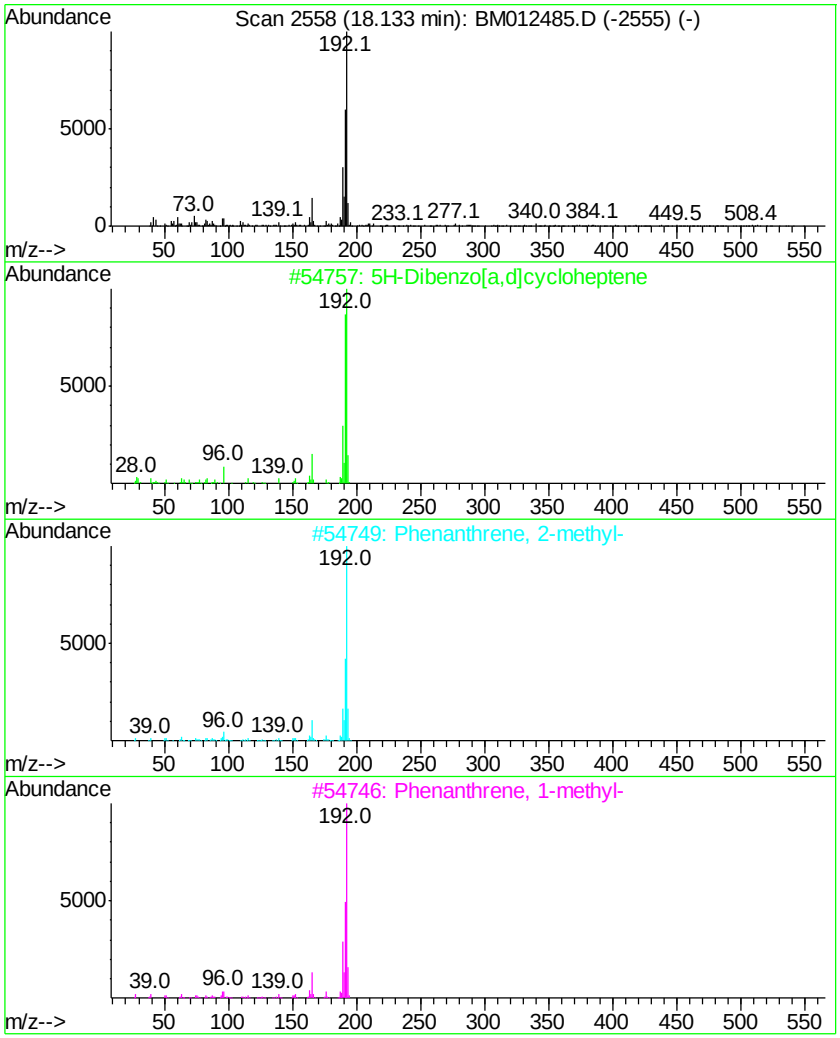
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

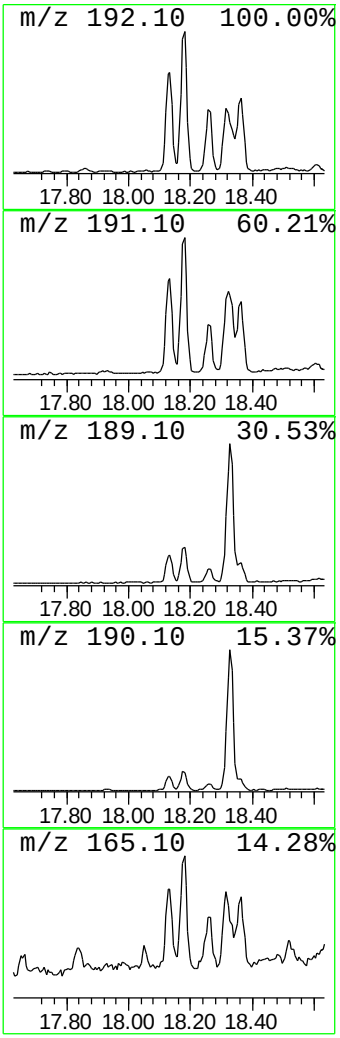
****

Peak Number 7 5H-Dibenzo[a,d]cycloheptene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	3.56 ng/ul	911456	Phenanthrene-d10	17.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	86





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ClientSampleId : B-25(0.5-1.5)-100517

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

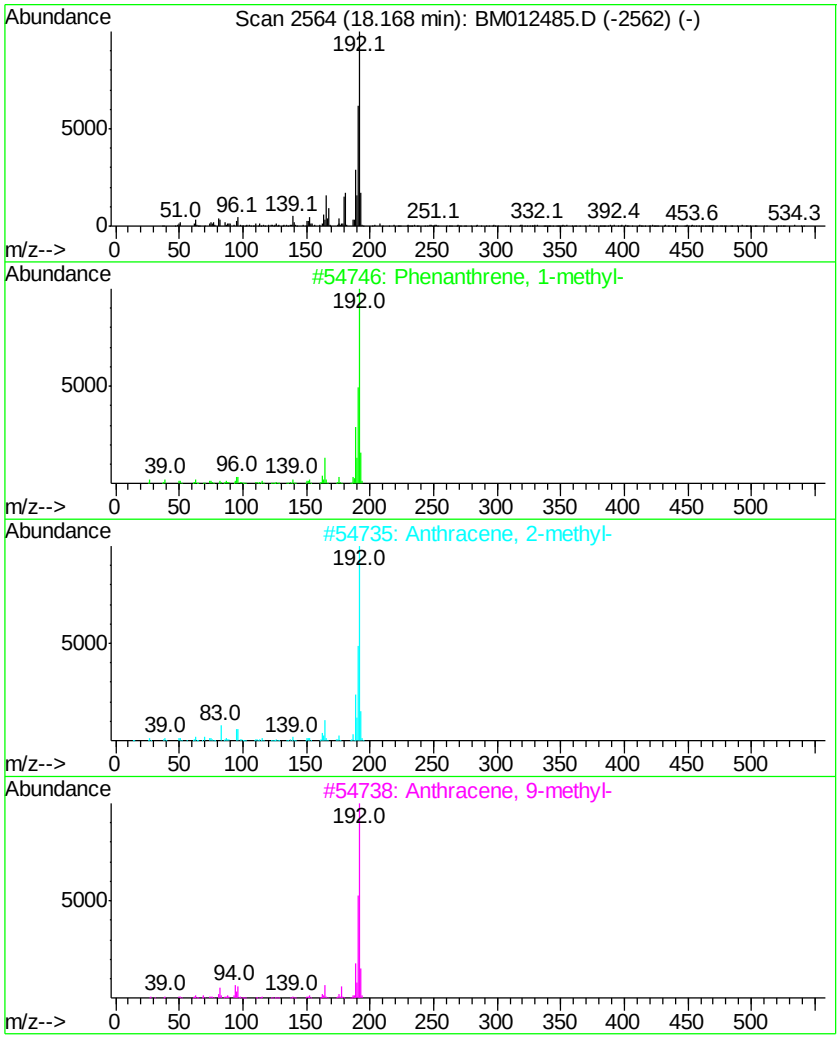
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

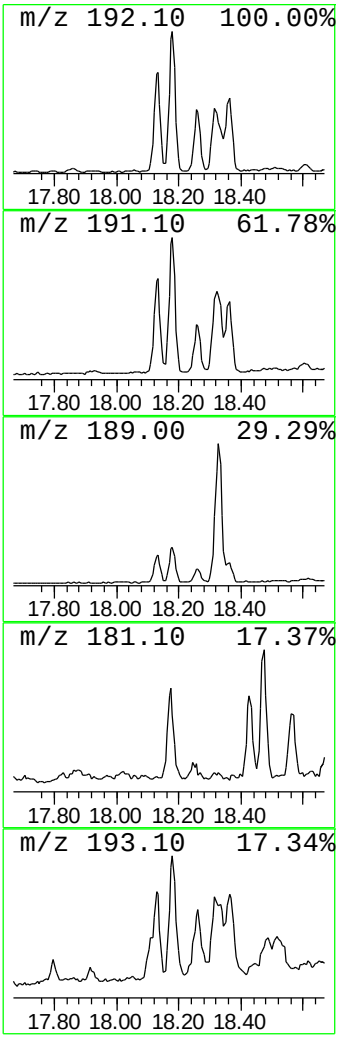
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	6.64 ng/ul	1701800	Phenanthrene-d10	17.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





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Operator : SJ/JU
Sample : I5719-07 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-25(0.5-1.5)-100517

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

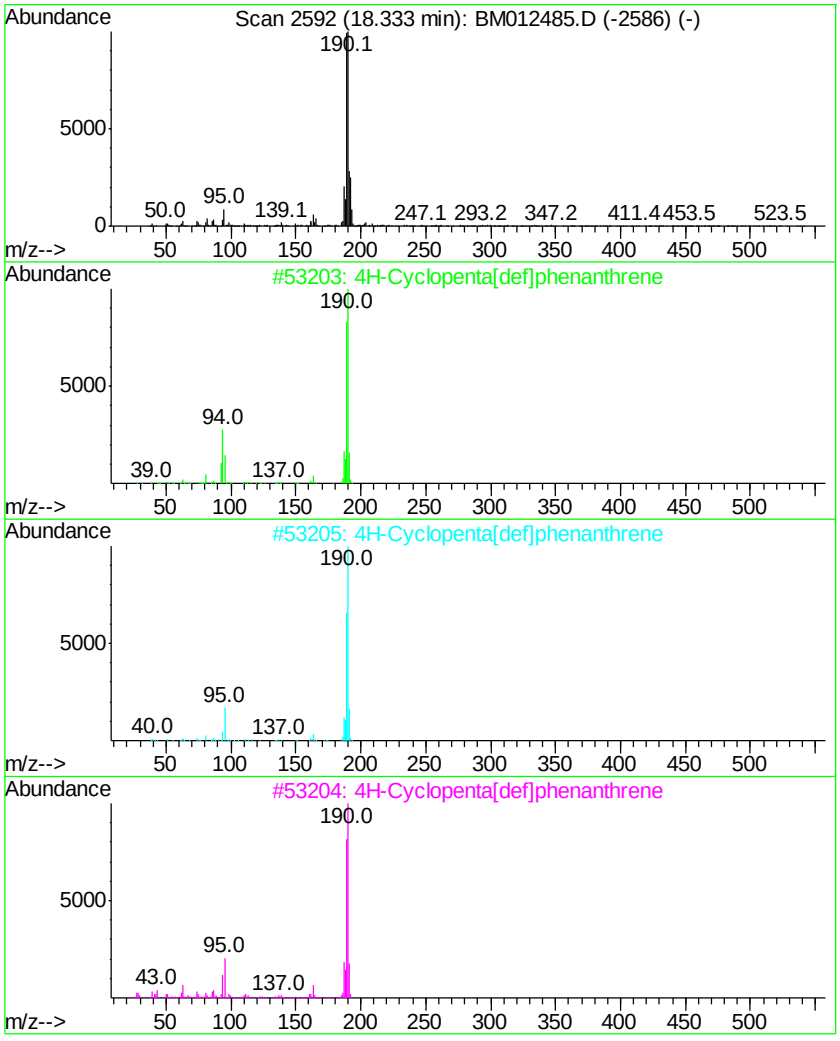
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

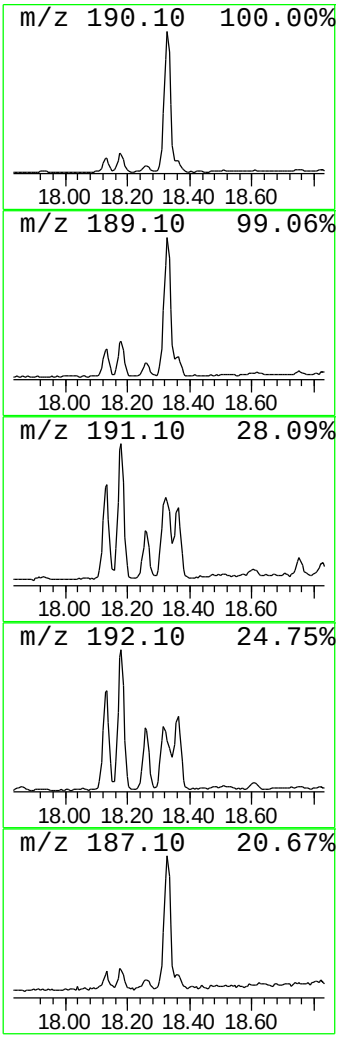
****

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	9.39 ng/ul	2406310	Phenanthrene-d10	17.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	74
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
5	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	53





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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
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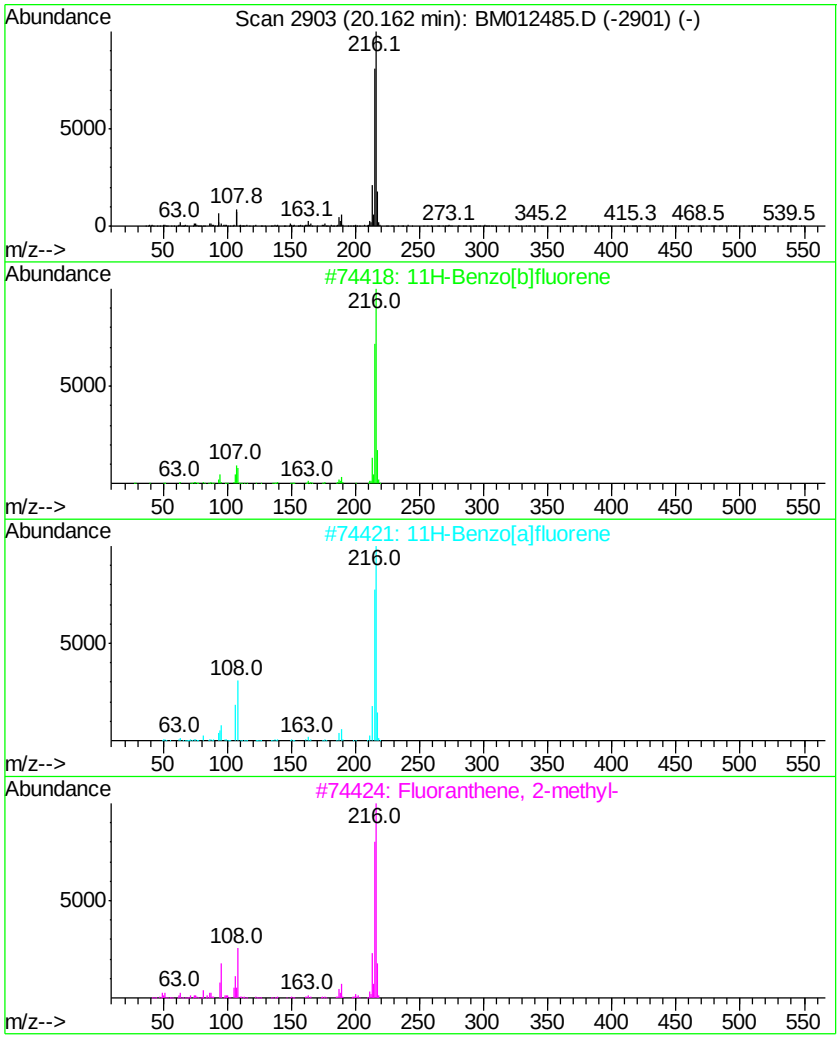
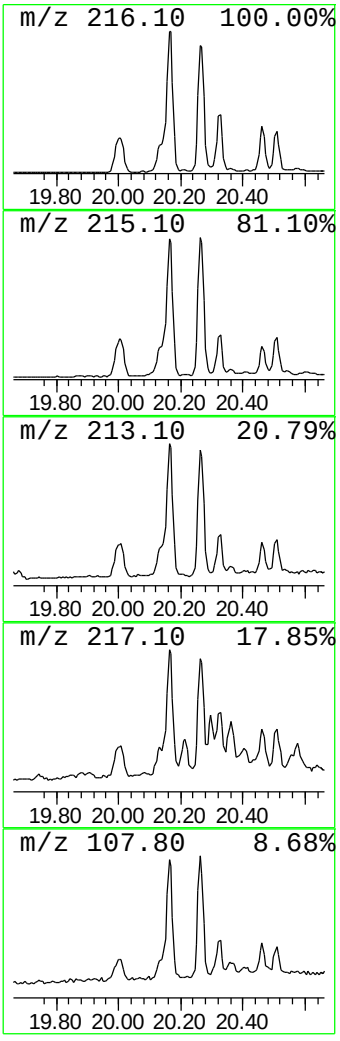
Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.16	2.77 ng/ul	4270110	Chrysene-d12	21.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	89





Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012485.D
Acq On : 27 Oct 2017 14:19
Operator : SJ/JU
Sample : I5719-07 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-25(0.5-1.5)-100517

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

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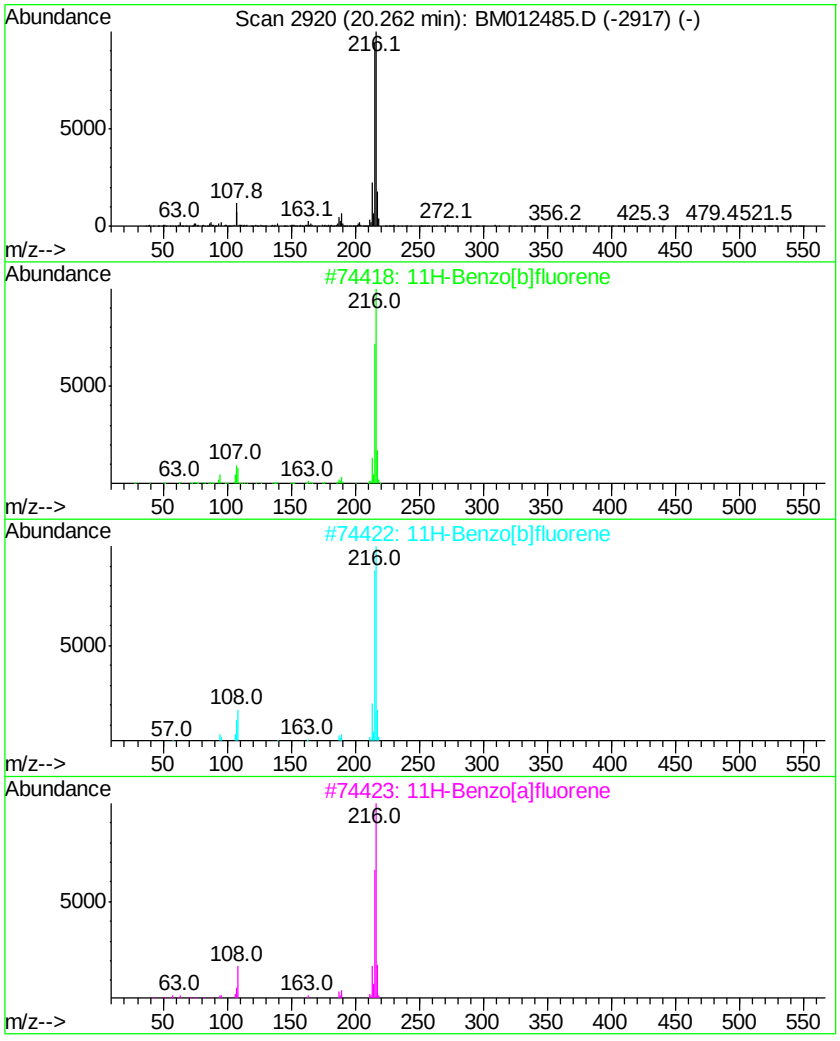
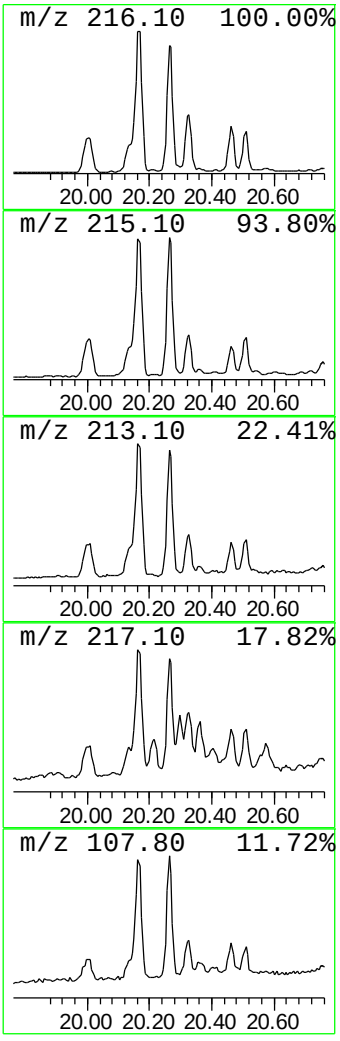
Peak Number 11 11H-Benzo[a]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.26	2.55 ng/ul	3935730	Chrysene-d12	21.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102717\
Data File : BM012485.D
Acq On : 27 Oct 2017 14:19
Operator : SJ/JU
Sample : I5719-07 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-25(0.5-1.5)-100517

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.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
Furan, tetrahydro...	3.15	3.3	ng/ul	474730	1	7.88	2879250	20.0
unknown-01	3.88	3.0	ng/ul	428457	1	7.88	2879250	20.0
Benzene, 1,3-dime...	5.53	2.9	ng/ul	410398	1	7.88	2879250	20.0
Benzophenone	15.87	3.6	ng/ul	846961	3	14.52	4739640	20.0
Dibenzothiophene	17.07	3.0	ng/ul	772989	4	17.26	5125940	20.0
5H-Dibenzo[a,d]cy...	18.13	3.6	ng/ul	911456	4	17.26	5125940	20.0
Phenanthrene, 1-m...	18.17	6.6	ng/ul	1701800	4	17.26	5125940	20.0
4H-Cyclopenta[def...	18.33	9.4	ng/ul	2406310	4	17.26	5125940	20.0
11H-Benzo[b]fluorene	20.16	2.8	ng/ul	4270110	5	21.43	30816400	20.0
11H-Benzo[a]fluorene	20.26	2.5	ng/ul	3935730	5	21.43	30816400	20.0