LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030218\
Data File : BM014461.D
Acq On : 02 Mar 2018 14:43
Operator : SJ/JU
Sample : J1679-02RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7RE

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-BM021418.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	6.740	632	638	649	rVB	262805	510599	3.86%	0.536%
2	6.869	654	660	669	rBV	213172	353601	2.67%	0.371%
3	7.063	687	693	701	rBV2	338086	548746	4.15%	0.576%
4	7.516	764	770	782	rVB	415063	688912	5.20%	0.724%
5	8.257	886	896	905	rBV2	340449	660219	4.99%	0.693%
6	8.681	961	968	978	rBV	326797	594543	4.49%	0.624%
7	9.398	1083	1090	1101	rBV2	279373	527472	3.98%	0.554%
8	9.945	1176	1183	1193	rBV	378041	752458	5.68%	0.790%
9	10.292	1231	1242	1248	rBV	599248	1022541	7.72%	1.074%
10	10.457	1262	1270	1283	rBV2	267149	606002	4.58%	0.636%
11	13.498	1781	1787	1792	rBV	110719	213651	1.61%	0.224%
12	13.604	1800	1805	1809	rVV	790034	1105133	8.35%	1.161%
13	13.651	1809	1813	1818	rVB	246315	363362	2.74%	0.382%
14	13.874	1842	1851	1865	rBV2	907350	1641088	12.40%	1.724%
15	14.186	1894	1904	1909	rBV3	857294	1439605	10.88%	1.512%
16	14.245	1909	1914	1923	rVB2	265501	453053	3.42%	0.476%
17	14.498	1947	1957	1968	rBV5	174861	503503	3.80%	0.529%
18	14.586	1968	1972	1978	rVB	418586	639249	4.83%	0.671%
19	15.033	2042	2048	2055	rVB8	58631	139041	1.05%	0.146%
20	15.186	2067	2074	2079	rBV	1121430	1585791	11.98%	1.666%
21	15.245	2079	2084	2095	rVB	791407	1216078	9.19%	1.277%
22	15.539	2130	2134	2141	rVB2	217443	319629	2.41%	0.336%
23	15.686	2155	2159	2167	rVB2	240447	469596	3.55%	0.493%
24	16.257	2248	2256	2260	rBV4	182901	390510	2.95%	0.410%
25	16.304	2260	2264	2269	rVB2	94585	136675	1.03%	0.144%
26	16.486	2291	2295	2298	rBV2	117175	171663	1.30%	0.180%
27	16.615	2312	2317	2322	rVB	294169	443784	3.35%	0.466%
28	16.680	2324	2328	2334	rVV4	134128	288092	2.18%	0.303%
29	16.768	2338	2343	2350	rVB	443091	676772	5.11%	0.711%
30	16.951	2368	2374	2377	rBV	1095441	1608925	12.15%	1.690%
31	16.998	2377	2382	2387	rVV	9257882	12036247	90.92%	12.641%
32	17.051	2387	2391	2394	rVV2	1250376	1826697	13.80%	1.919%
33	17.086	2394	2397	2402	rVB	1793474	2255226	17.04%	2.369%
34	17.368	2437	2445	2453	rBV	685591	1239592	9.36%	1.302%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030218\
Data File : BM014461.D
Acq On : 02 Mar 2018 14:43
Operator : SJ/JU
Sample : J1679-02RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7RE

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-BM021418.M
Title : SVOA CALIBRATION

35	17.539	2470	2474	2480	rVB4	115985	250649	1.89%	0.263%
36	17.827	2518	2523	2526	rBV	745687	1045270	7.90%	1.098%
37	17.874	2526	2531	2537	rVV	1113691	1800104	13.60%	1.891%
38	17.956	2541	2545	2550	rVB	334249	457546	3.46%	0.481%
39	18.021	2551	2556	2560	rVV2	1009482	1756597	13.27%	1.845%
40	18.056	2560	2562	2568	rVB	432811	541092	4.09%	0.568%
41	18.333	2605	2609	2614	rVB	548017	733414	5.54%	0.770%
42	18.398	2616	2620	2625	rVV3	302243	417236	3.15%	0.438%
43	18.633	2657	2660	2663	rVB	187348	206471	1.56%	0.217%
44	18.756	2677	2681	2686	rBV	290184	506493	3.83%	0.532%
45	19.033	2721	2728	2733	rBV	10150058	13237576	100.00%	13.903%
46	19.362	2780	2784	2786	rBV2	2451176	3309872	25.00%	3.476%
47	19.398	2786	2790	2796	rVV	7231153	9528120	71.98%	10.007%
48	19.462	2799	2801	2806	rVB2	353099	478238	3.61%	0.502%
49	19.892	2871	2874	2880	rVB	928967	1392138	10.52%	1.462%
50	19.998	2888	2892	2895	rBV	658280	939918	7.10%	0.987%
51	20.809	3028	3030	3033	rBV	631863	657827	4.97%	0.691%
52	21.156	3085	3089	3095	rBV2	3637557	6510685	49.18%	6.838%
53	21.209	3095	3098	3103	rVB	2812166	3270753	24.71%	3.435%
54	22.715	3349	3354	3366	rVB	2253078	5986676	45.22%	6.288%
55	23.174	3429	3432	3436	rBV	877578	1305786	9.86%	1.371%
56	23.268	3445	3448	3457	rVB	2118787	3451999	26.08%	3.626%

Sum of corrected areas: 95212515

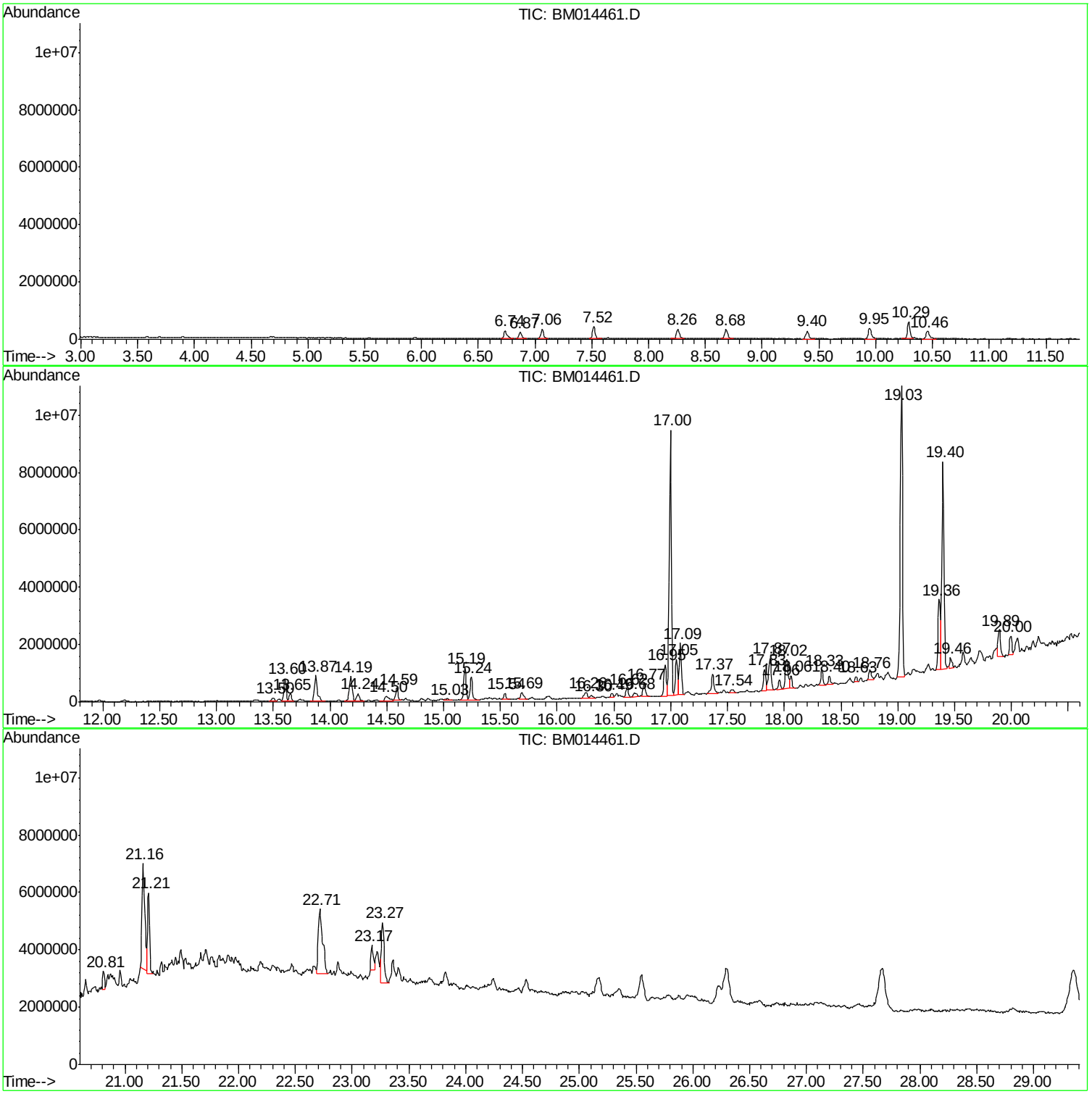
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030218\
Data File : BM014461.D
Acq On : 02 Mar 2018 14:43
Operator : SJ/JU
Sample : J1679-02RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030218\
Data File : BM014461.D
Acq On : 02 Mar 2018 14:43
Operator : SJ/JU
Sample : J1679-02RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

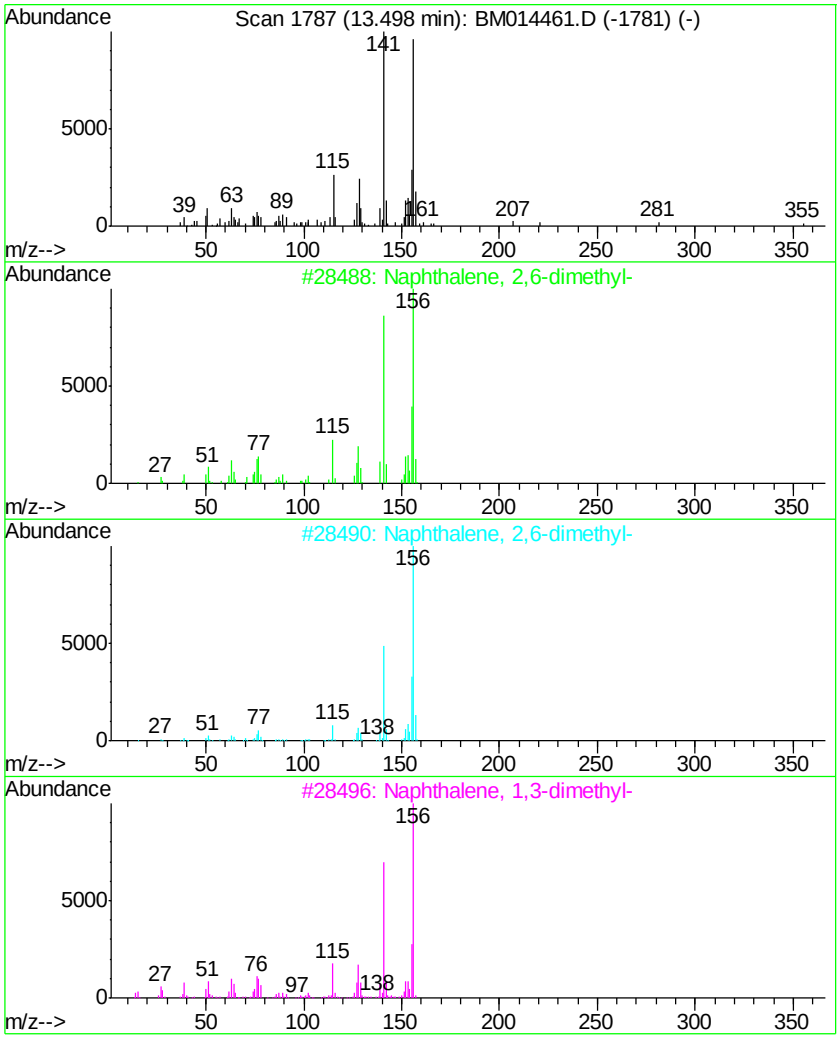
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

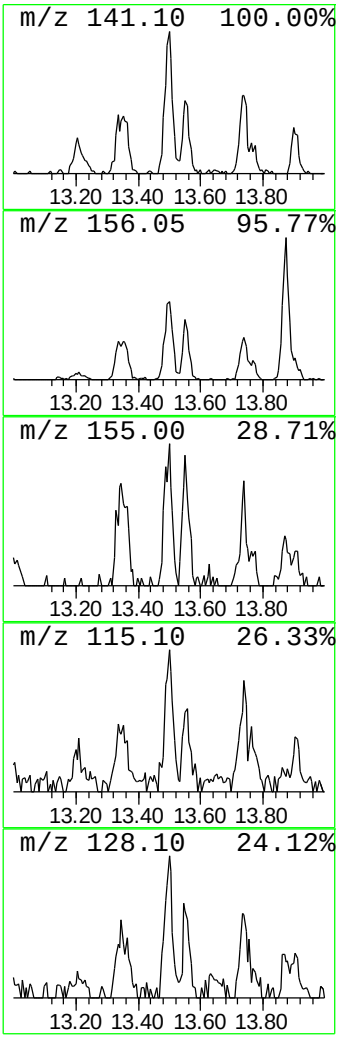
****

Peak Number 1 Naphthalene, 2,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	2.97 ng/ul	213651	Acenaphthene-d10	14.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	94





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030218\
Data File : BM014461.D
Acq On : 02 Mar 2018 14:43
Operator : SJ/JU
Sample : J1679-02RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

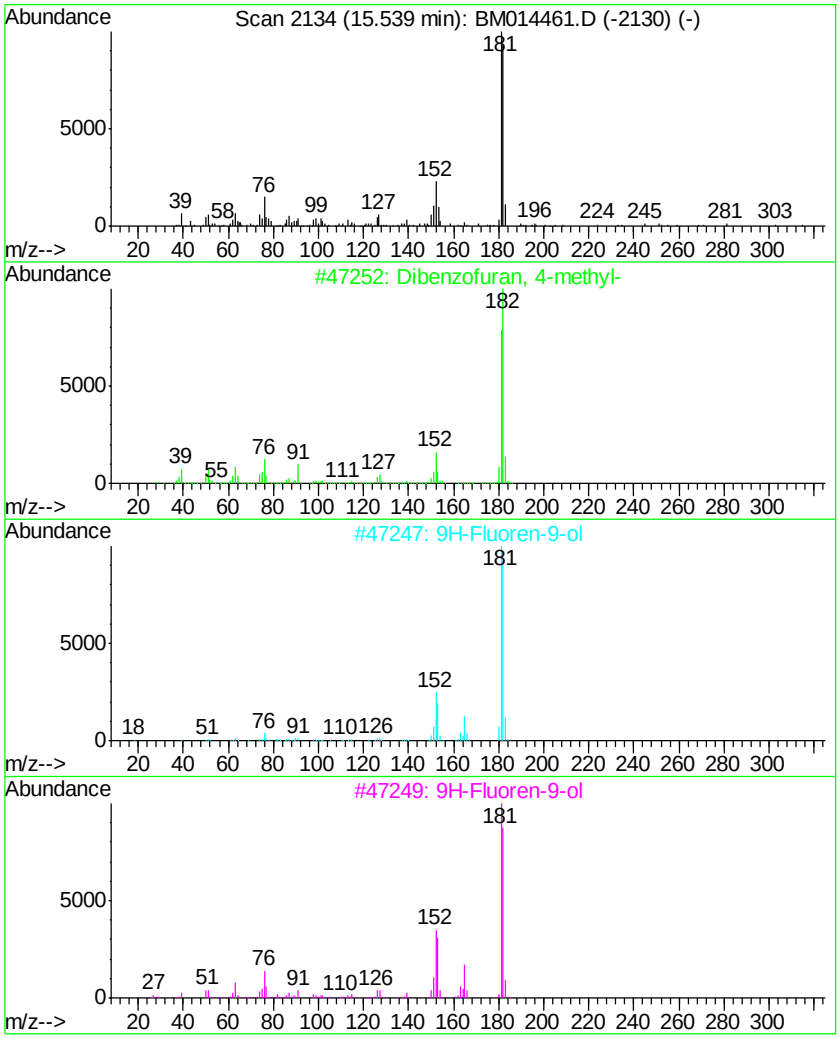
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

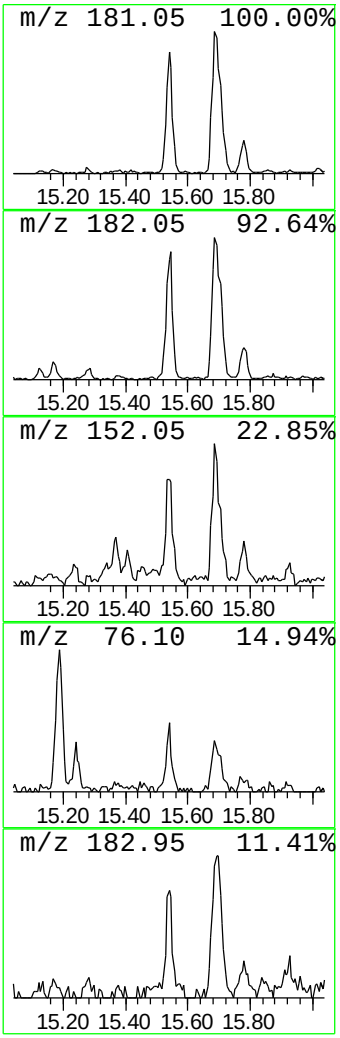
****

Peak Number 2 Dibenzofuran, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	4.44 ng/ul	319629	Acenaphthene-d10	14.18

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	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	81
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030218\
Data File : BM014461.D
Acq On : 02 Mar 2018 14:43
Operator : SJ/JU
Sample : J1679-02RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

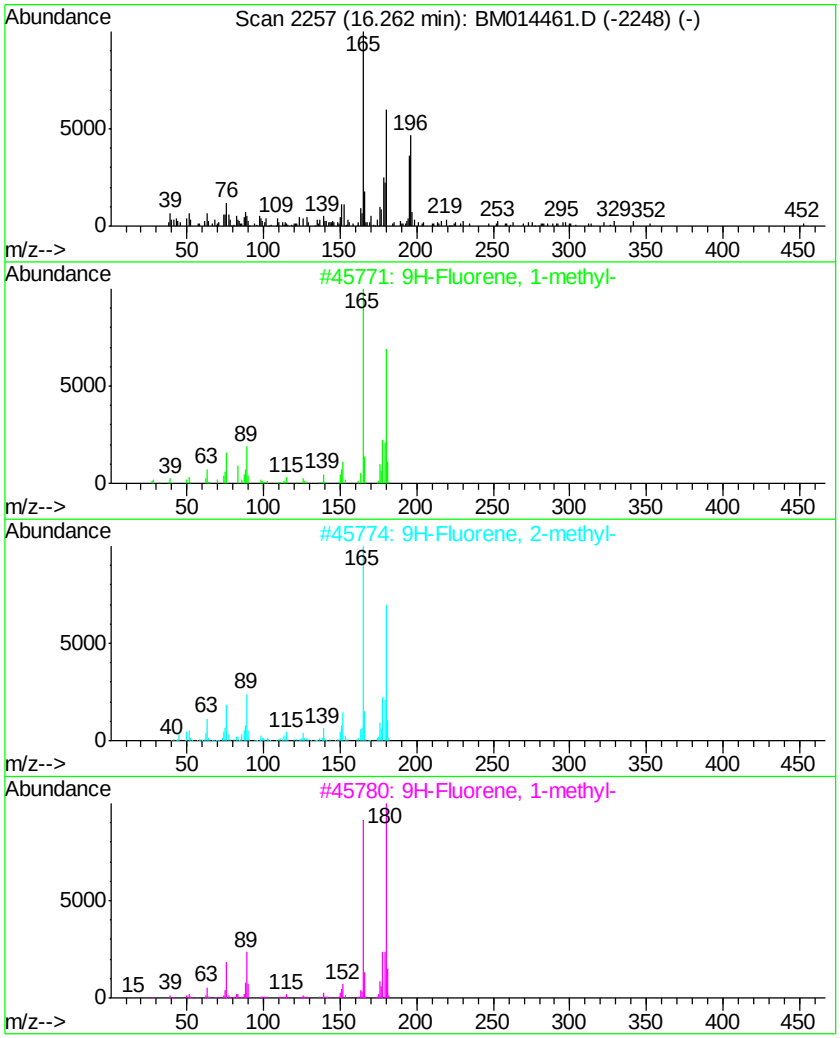
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

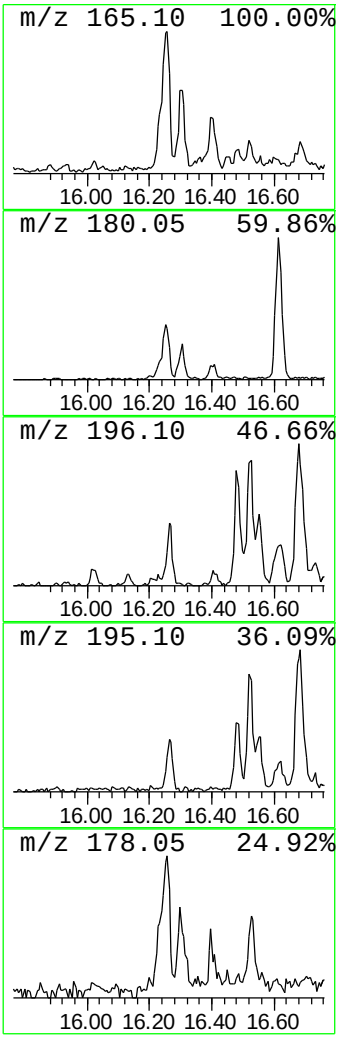
****

Peak Number 4 9H-Fluorene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.26	4.85 ng/ul	390510	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	76
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	76
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	76
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	76





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030218\
Data File : BM014461.D
Acq On : 02 Mar 2018 14:43
Operator : SJ/JU
Sample : J1679-02RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

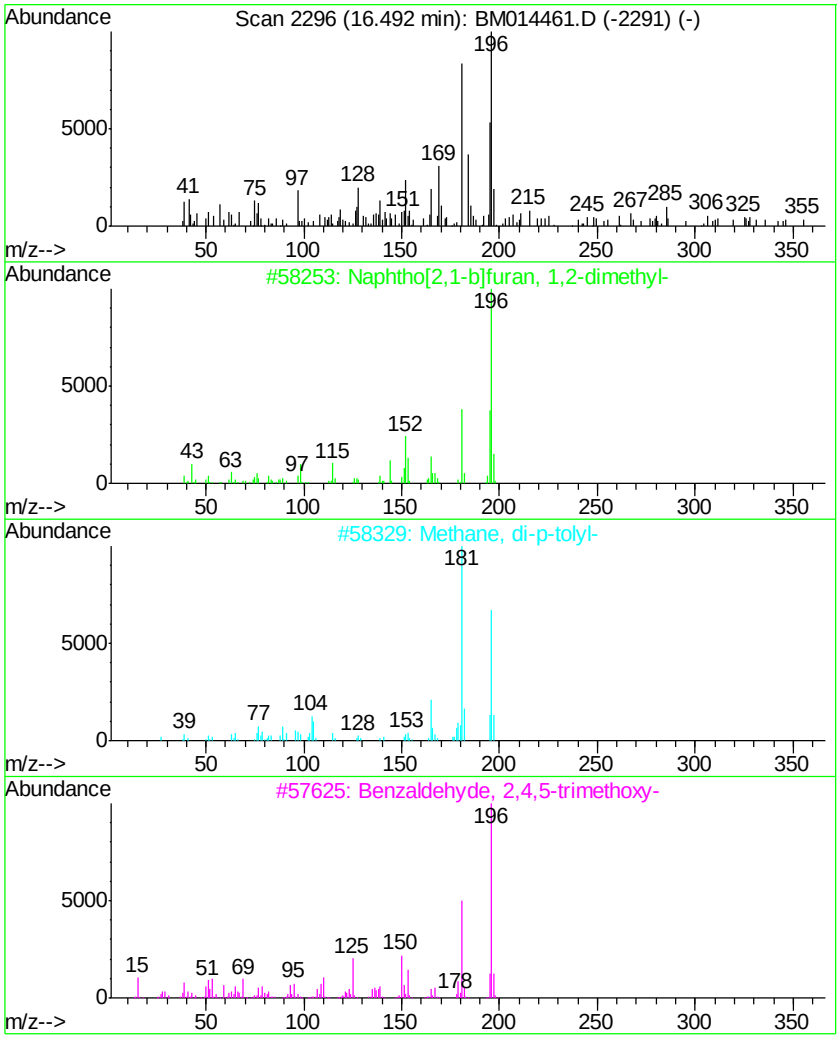
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

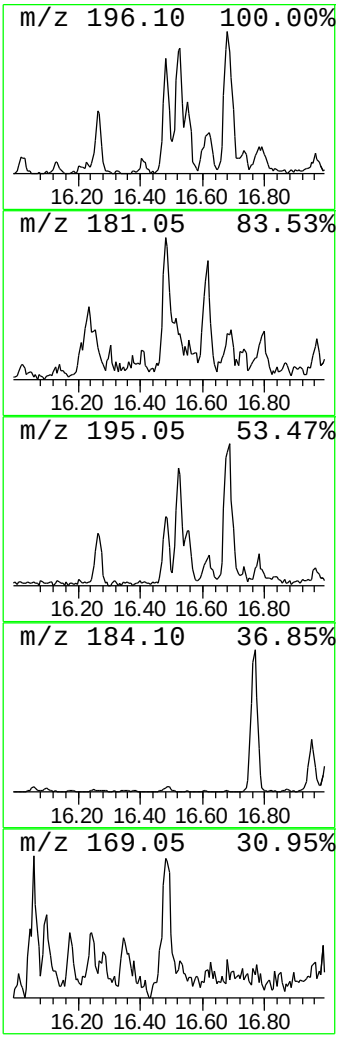
****

Peak Number 5 Naphtho[2,1-b]furan, 1,2-di... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	2.13 ng/ul	171663	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	64
2	Methane, di-p-tolyl-	196	C15H16	004957-14-6	49
3	Benzaldehyde, 2,4,5-trimethoxy-	196	C10H12O4	004460-86-0	47
4	Benzaldehyde, 3,4,5-trimethoxy-	196	C10H12O4	000086-81-7	46
5	Hydrosulfide, (5,6-dimethylthien...	196	C8H8N2S2	1000362-41-8	43





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030218\
Data File : BM014461.D
Acq On : 02 Mar 2018 14:43
Operator : SJ/JU
Sample : J1679-02RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

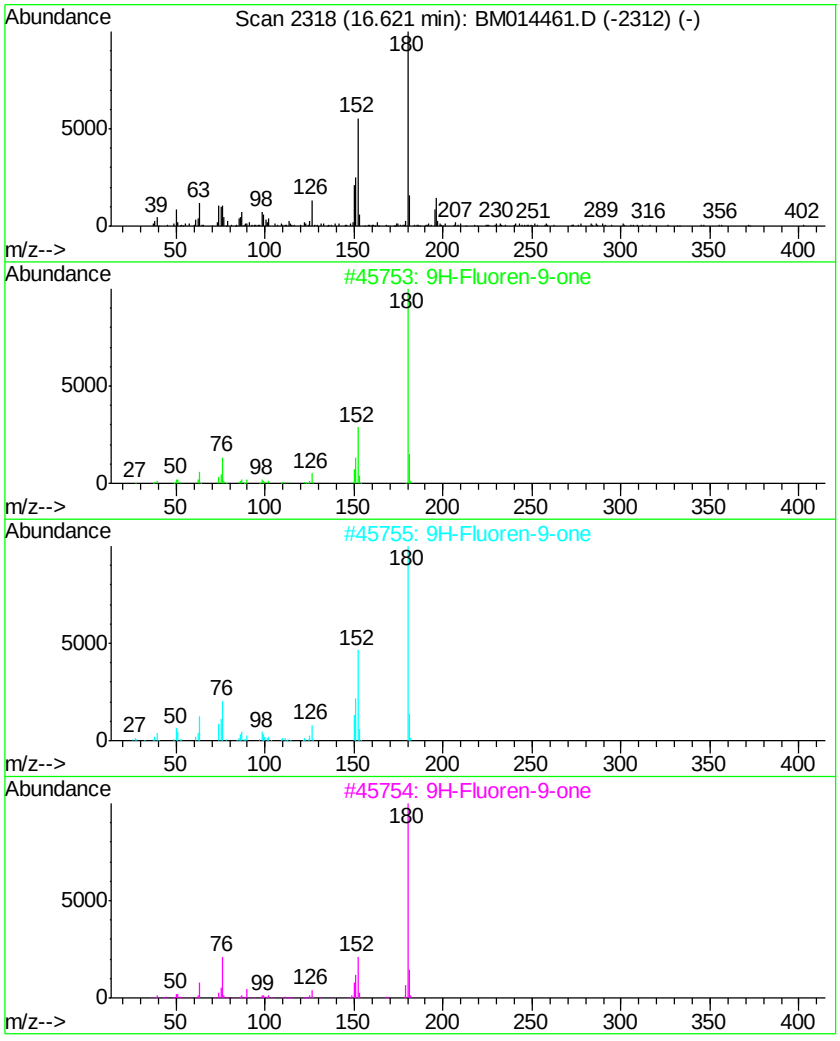
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

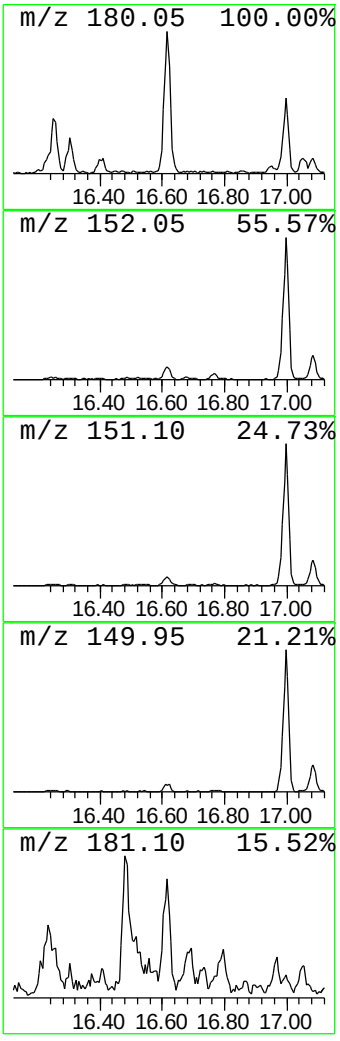
****

Peak Number 6 9H-Fluoren-9-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.62	5.52 ng/ul	443784	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	81
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	80





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030218\
Data File : BM014461.D
Acq On : 02 Mar 2018 14:43
Operator : SJ/JU
Sample : J1679-02RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

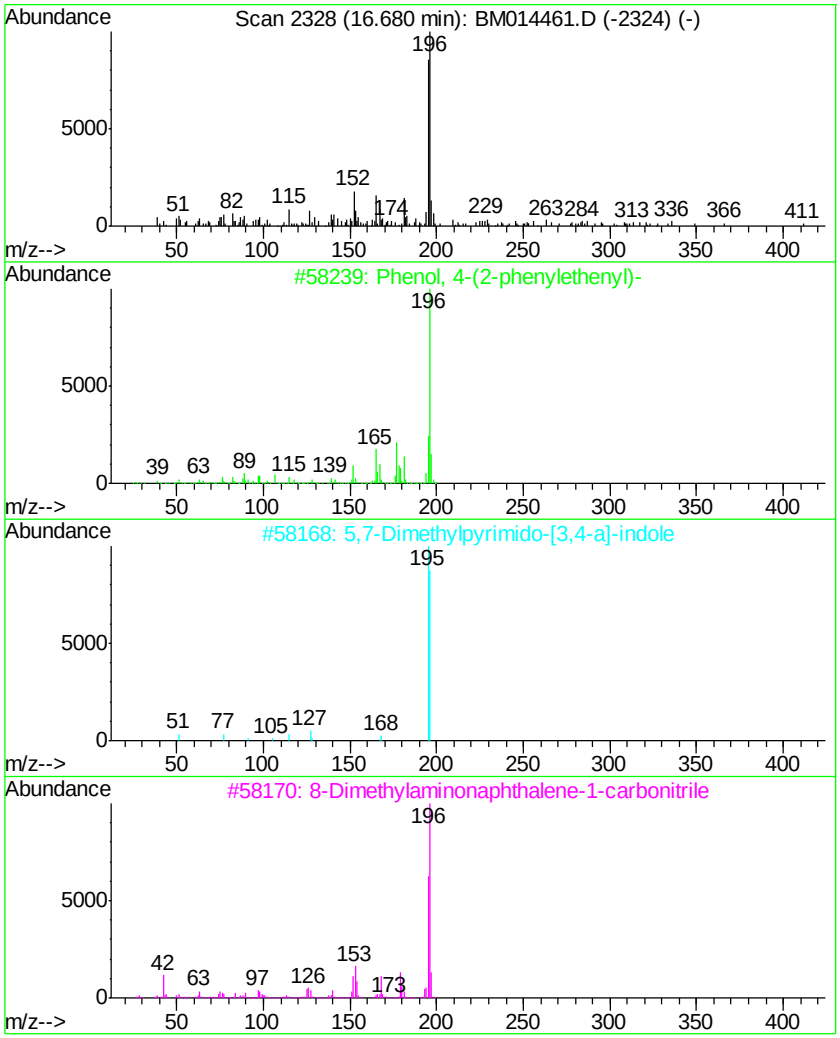
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

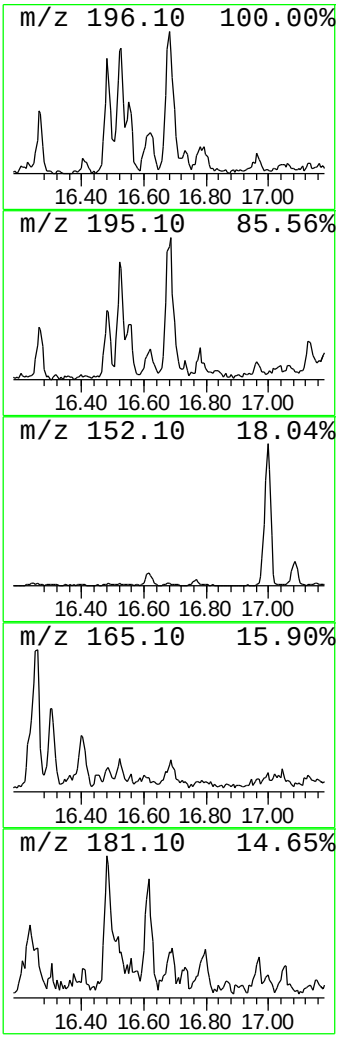
****

Peak Number 7 Phenol, 4-(2-phenylethenyl)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.68	3.58 ng/ul	288092	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	64
2	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	64
3	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	52
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49
5	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	47





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030218\
Data File : BM014461.D
Acq On : 02 Mar 2018 14:43
Operator : SJ/JU
Sample : J1679-02RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

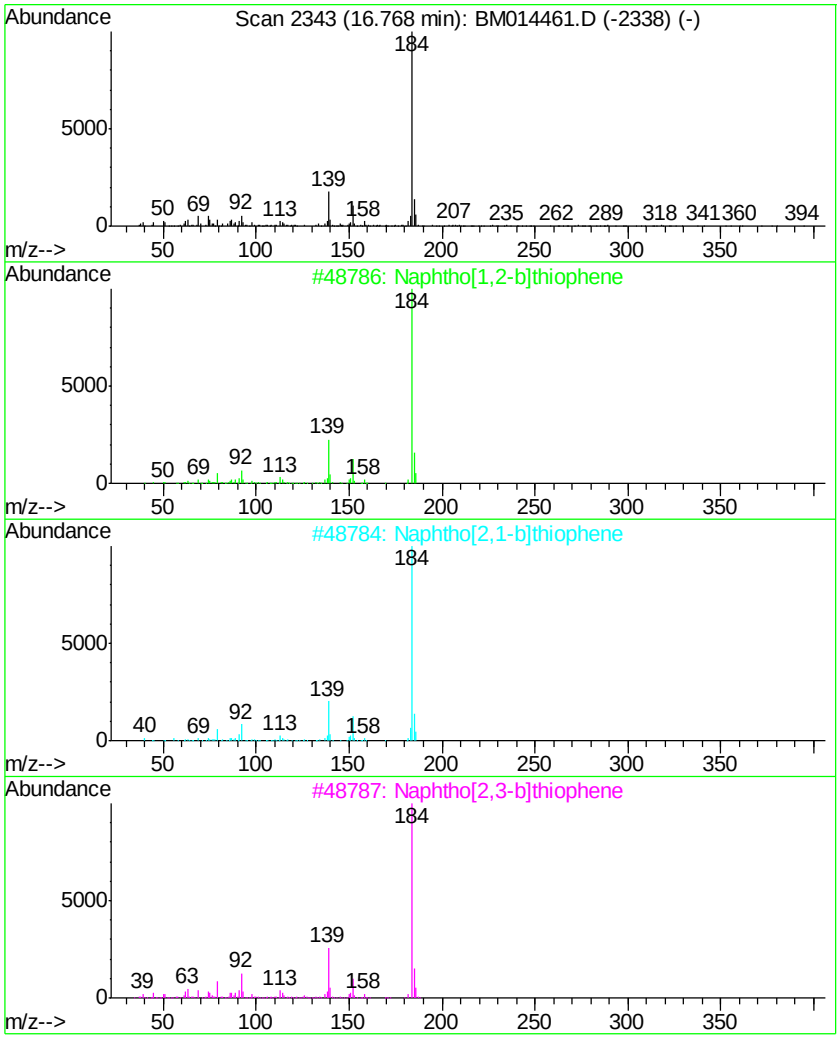
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

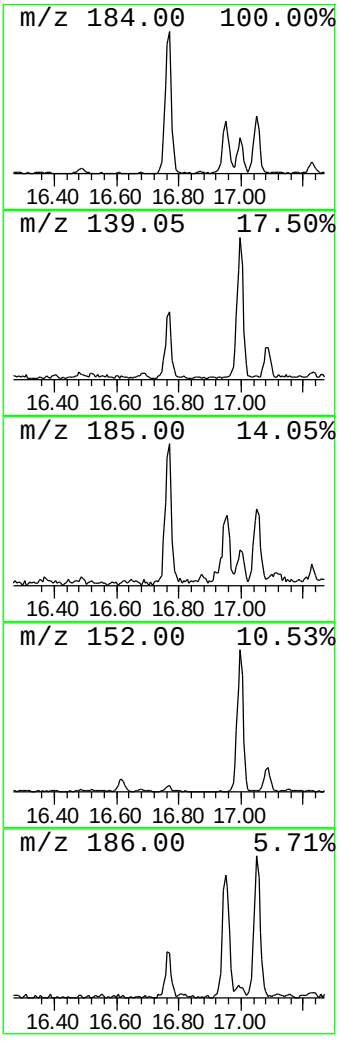
****

Peak Number 8 Naphtho[1,2-b]thiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	8.41 ng/ul	676772	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	95
5	Dibenzothiophene	184	C12H8S	000132-65-0	93





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030218\
Data File : BM014461.D
Acq On : 02 Mar 2018 14:43
Operator : SJ/JU
Sample : J1679-02RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

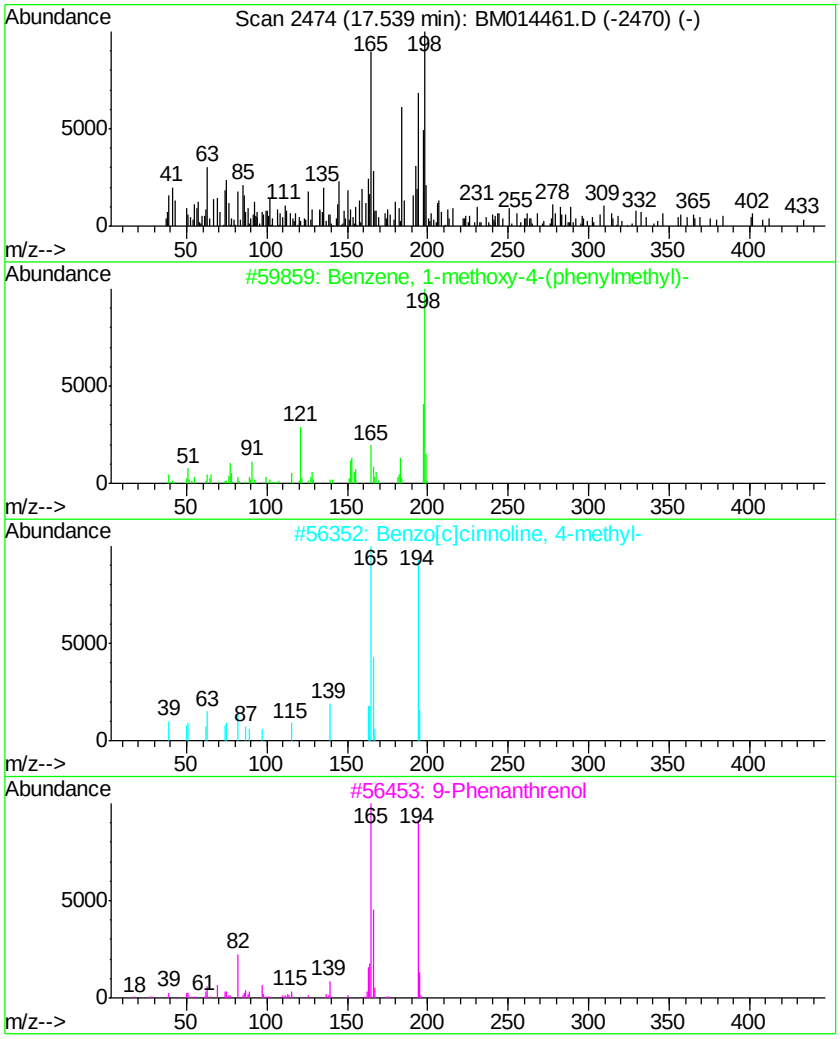
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

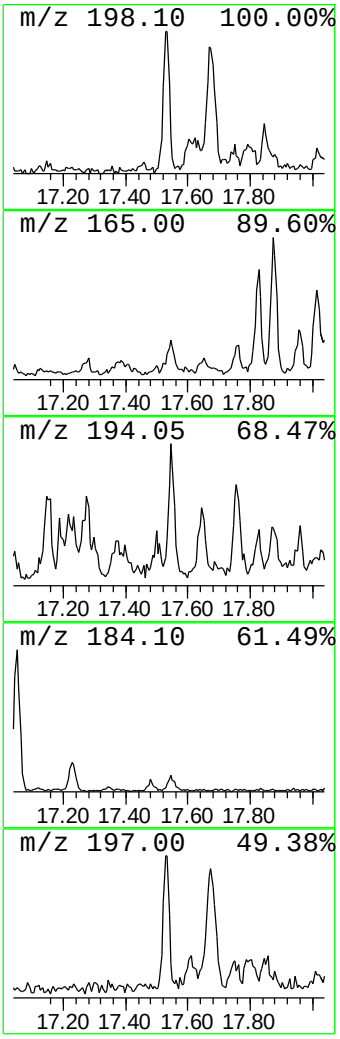
****

Peak Number 9 unknown-01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.54	3.12 ng/ul	250649	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methoxy-4-(phenylmeth...	198	C14H14O	000834-14-0	30
2	Benzo[c]cinnoline, 4-methyl-	194	C13H10N2	019174-78-8	30
3	9-Phenanthrenol	194	C14H10O	000484-17-3	30
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	30
5	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	000718-25-2	27





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030218\
Data File : BM014461.D
Acq On : 02 Mar 2018 14:43
Operator : SJ/JU
Sample : J1679-02RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

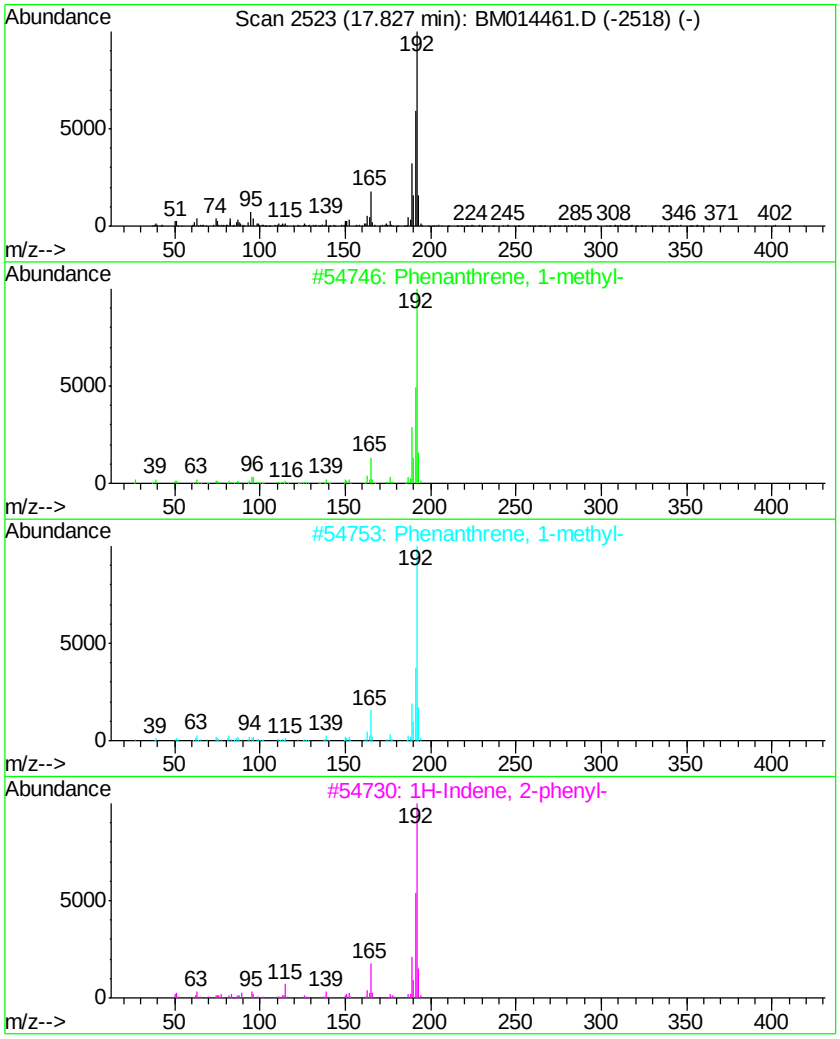
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

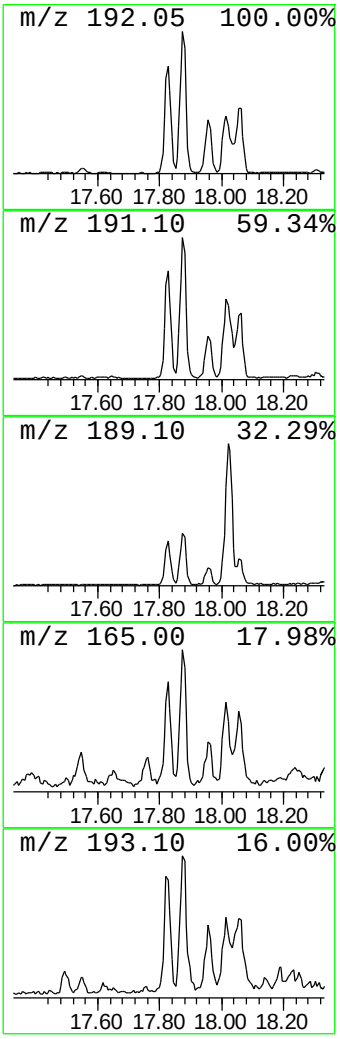
****

Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.83	12.99 ng/ul	1045270	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030218\
Data File : BM014461.D
Acq On : 02 Mar 2018 14:43
Operator : SJ/JU
Sample : J1679-02RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

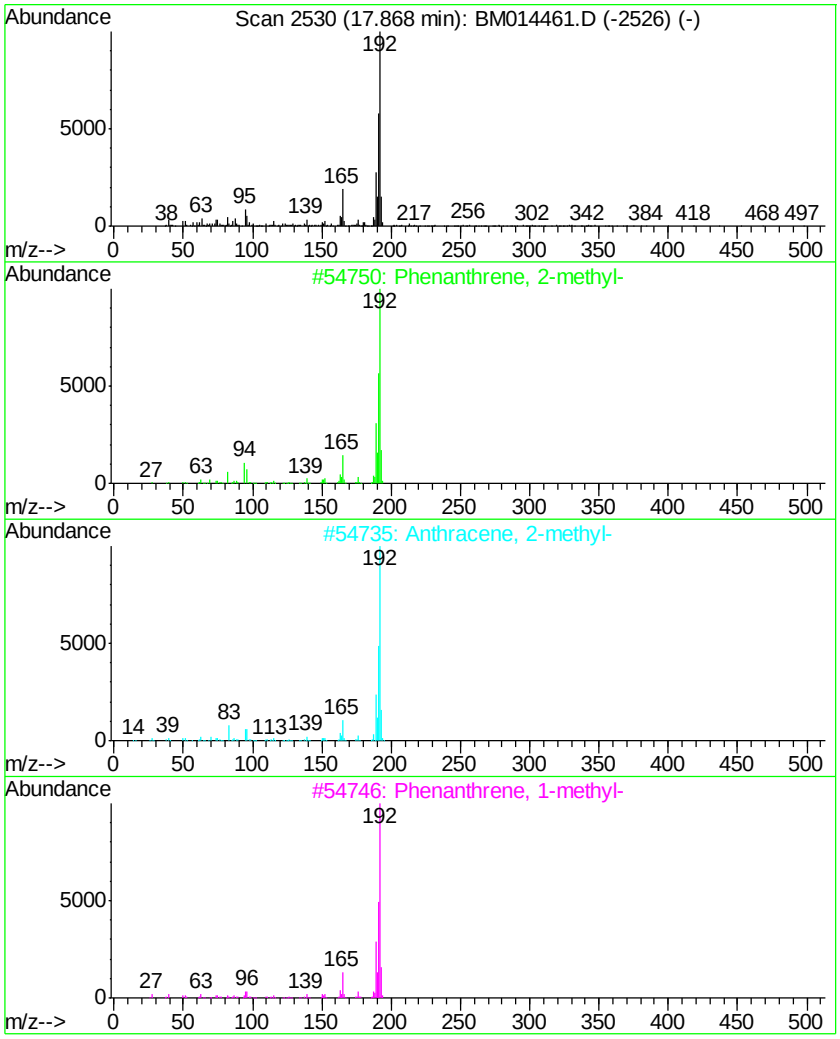
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

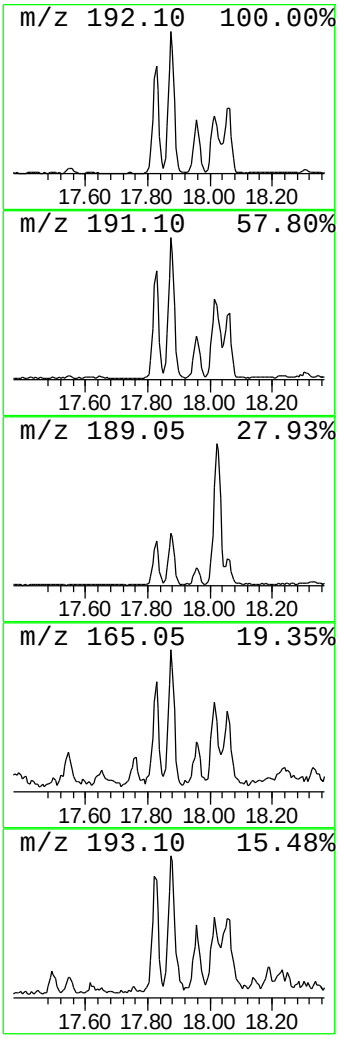
****

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	22.38 ng/ul	1800100	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
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	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030218\
Data File : BM014461.D
Acq On : 02 Mar 2018 14:43
Operator : SJ/JU
Sample : J1679-02RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

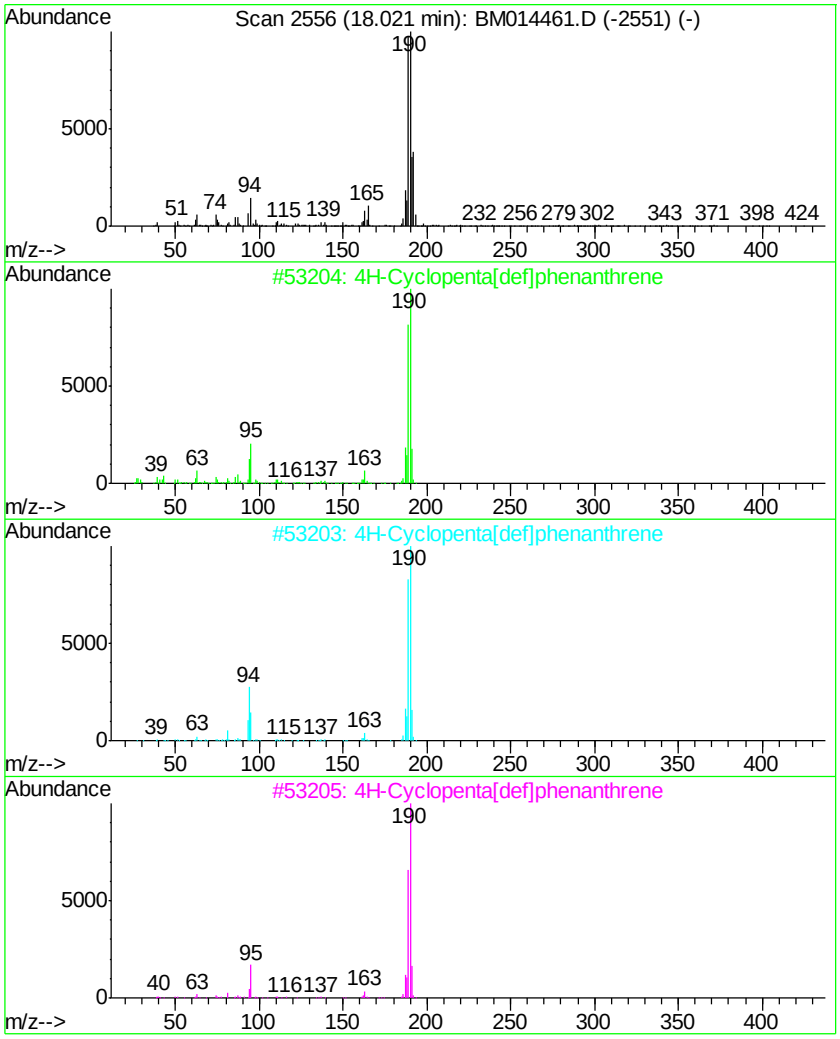
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

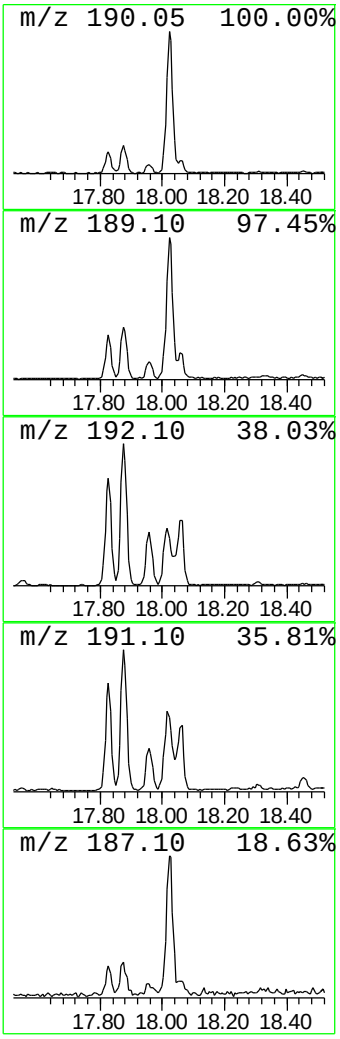
****

Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	21.84 ng/ul	1756600	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	74
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	59
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	36





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030218\
Data File : BM014461.D
Acq On : 02 Mar 2018 14:43
Operator : SJ/JU
Sample : J1679-02RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

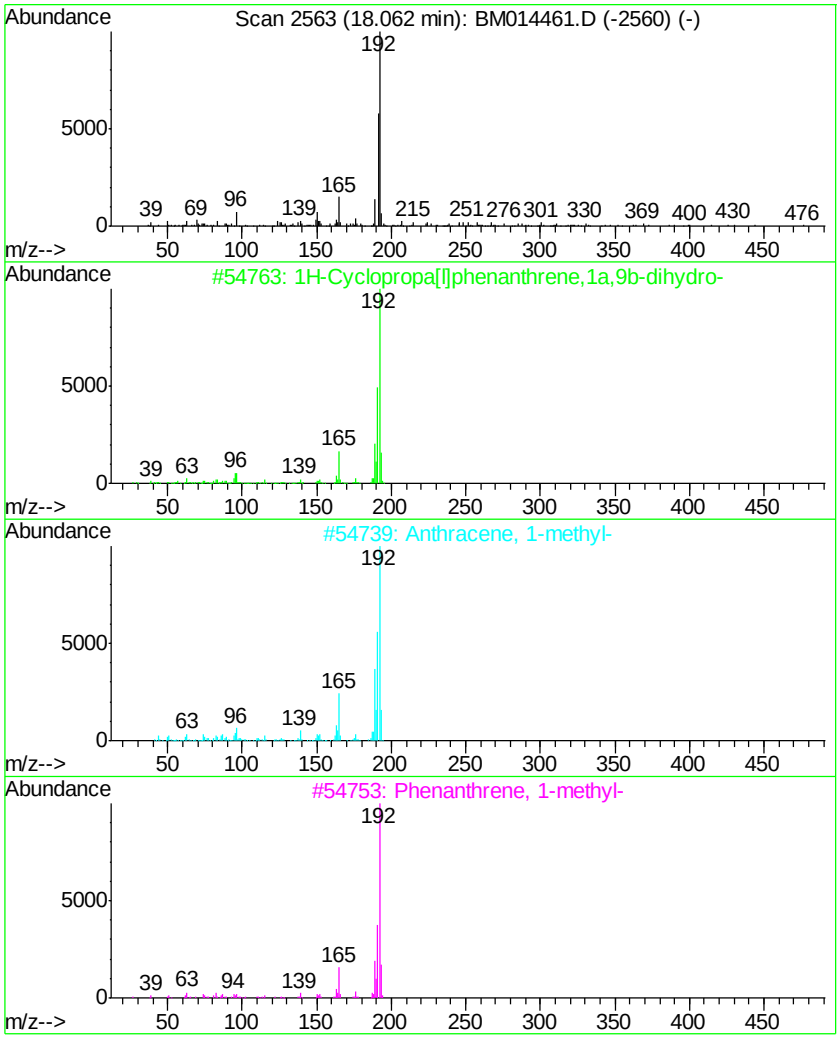
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

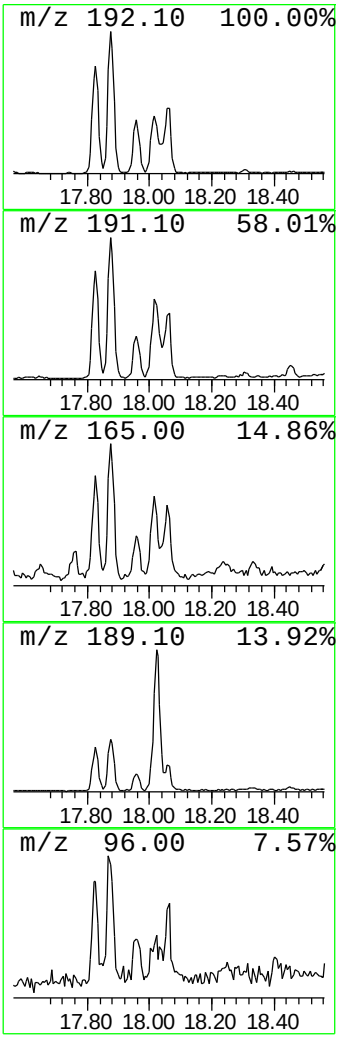
****

Peak Number 14 1H-Cyclopropa[l]phenanthren... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	6.73 ng/ul	541092	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	80
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	80
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	72
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	64
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	64





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030218\
Data File : BM014461.D
Acq On : 02 Mar 2018 14:43
Operator : SJ/JU
Sample : J1679-02RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

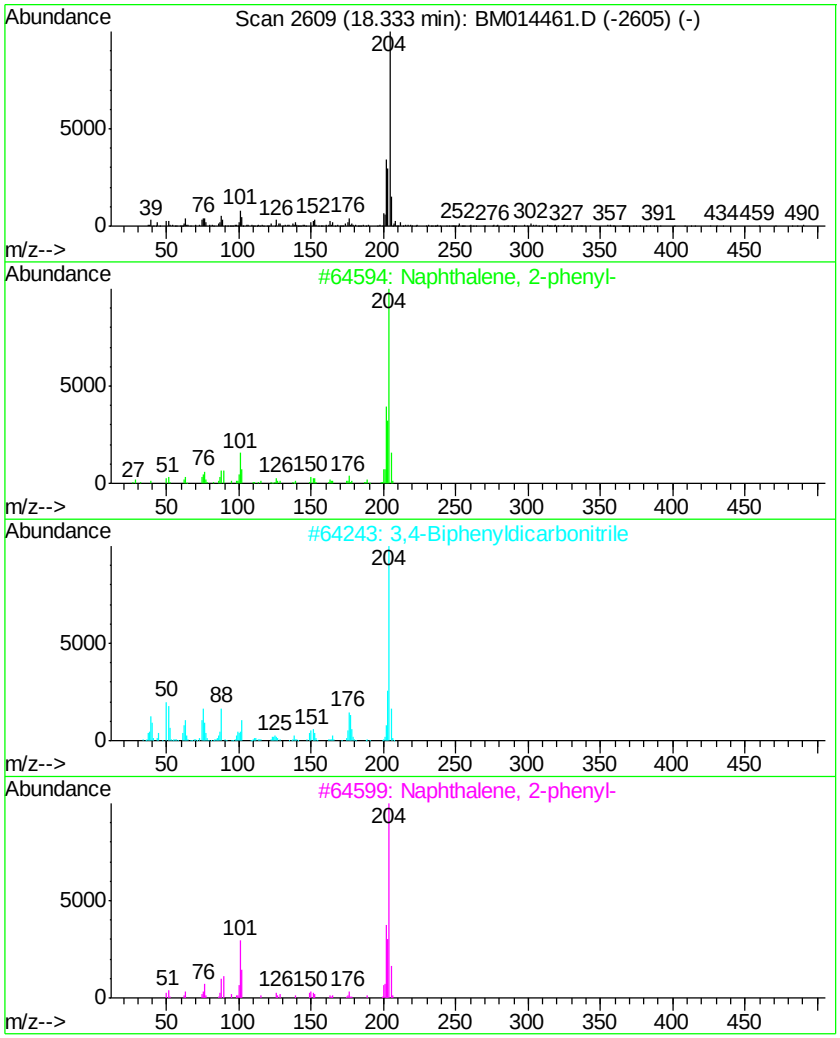
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

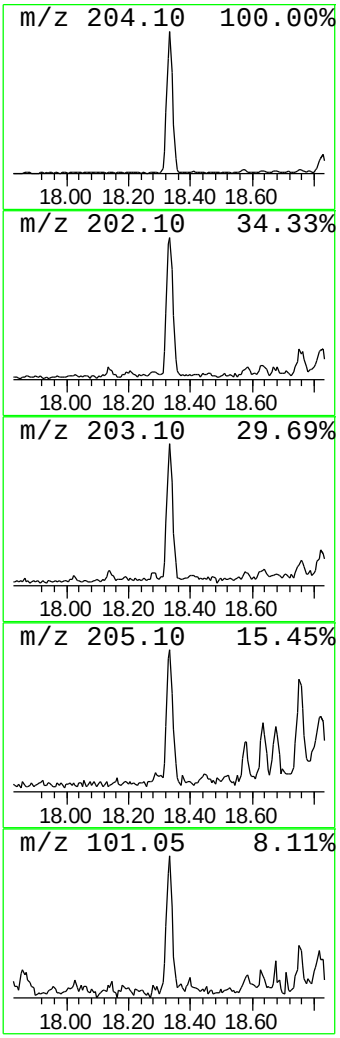
****

Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	9.12 ng/ul	733414	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	72
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030218\
Data File : BM014461.D
Acq On : 02 Mar 2018 14:43
Operator : SJ/JU
Sample : J1679-02RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

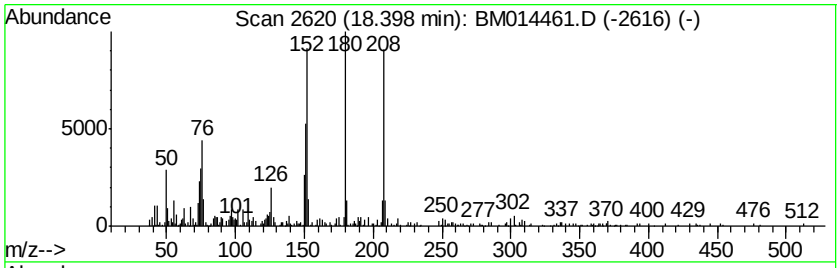
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

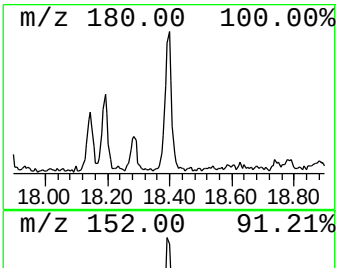
****

Peak Number 16 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	5.19 ng/ul	417236	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	89
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	89





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030218\
Data File : BM014461.D
Acq On : 02 Mar 2018 14:43
Operator : SJ/JU
Sample : J1679-02RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

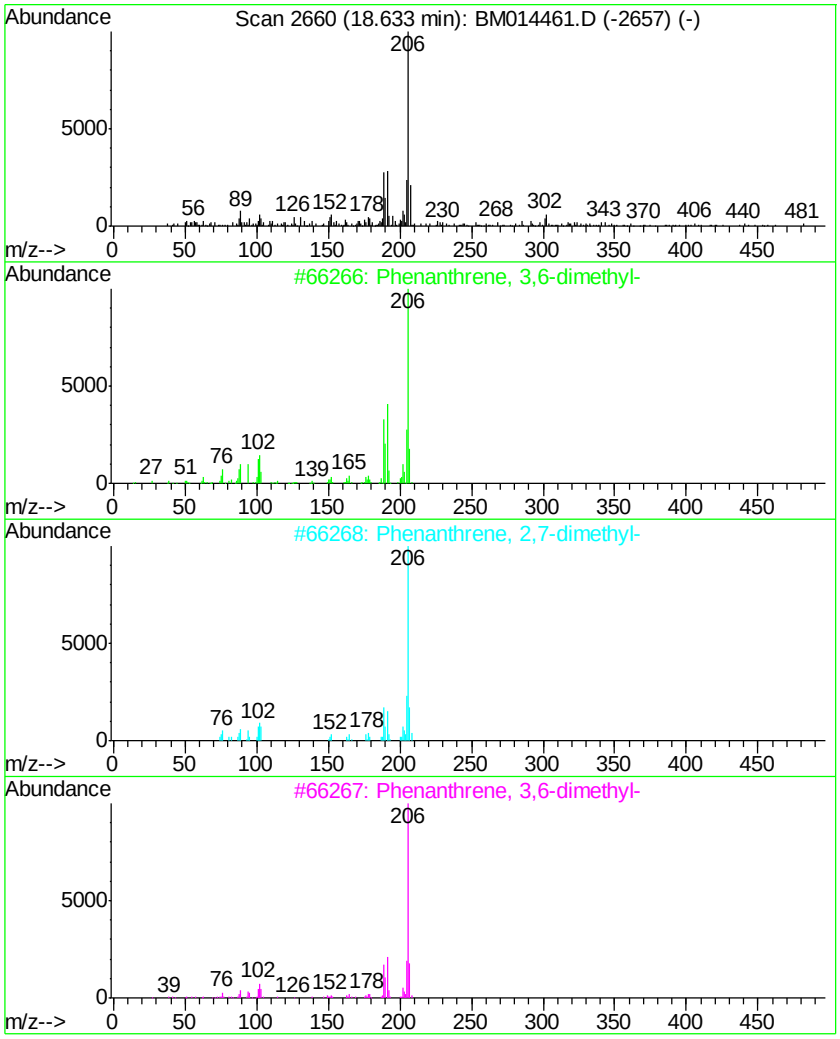
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

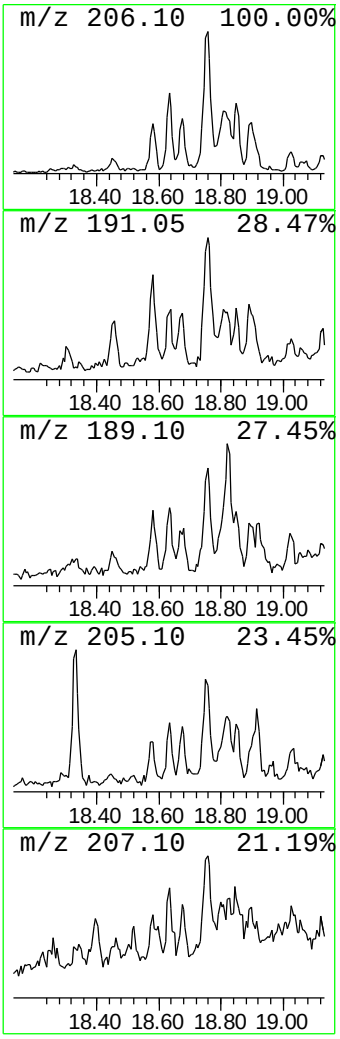
****

Peak Number 17 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	2.57 ng/ul	206471	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030218\
Data File : BM014461.D
Acq On : 02 Mar 2018 14:43
Operator : SJ/JU
Sample : J1679-02RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

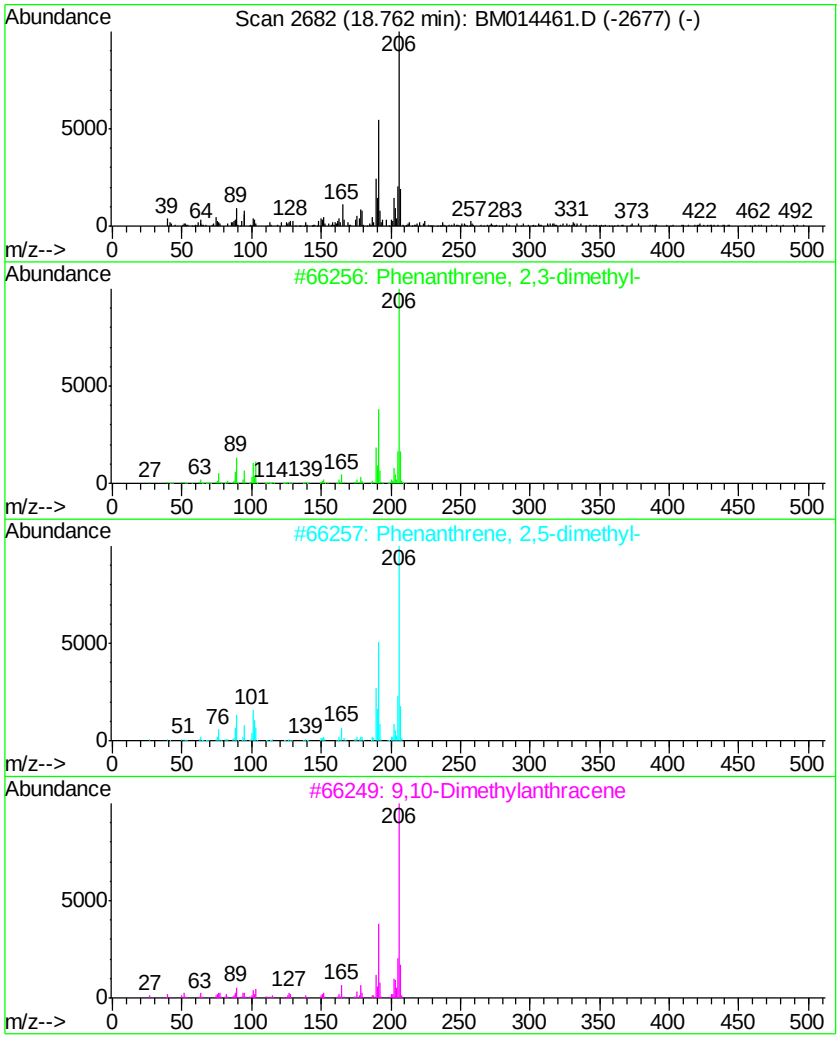
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

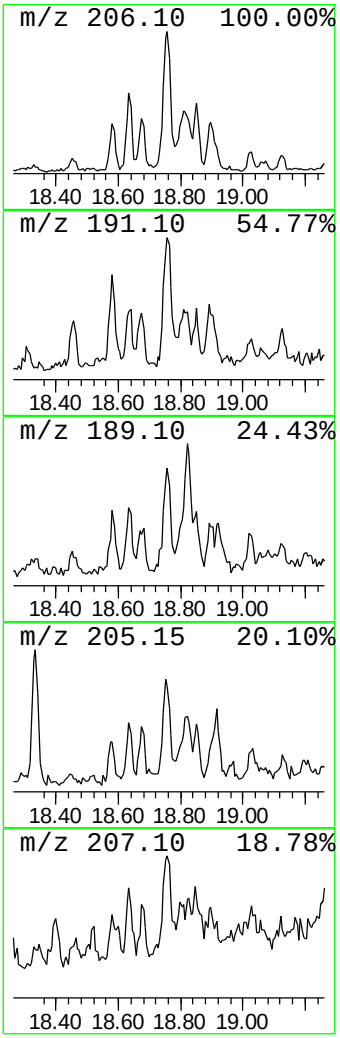
****

Peak Number 18 Phenanthrene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.76	6.30 ng/ul	506493	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030218\
Data File : BM014461.D
Acq On : 02 Mar 2018 14:43
Operator : SJ/JU
Sample : J1679-02RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

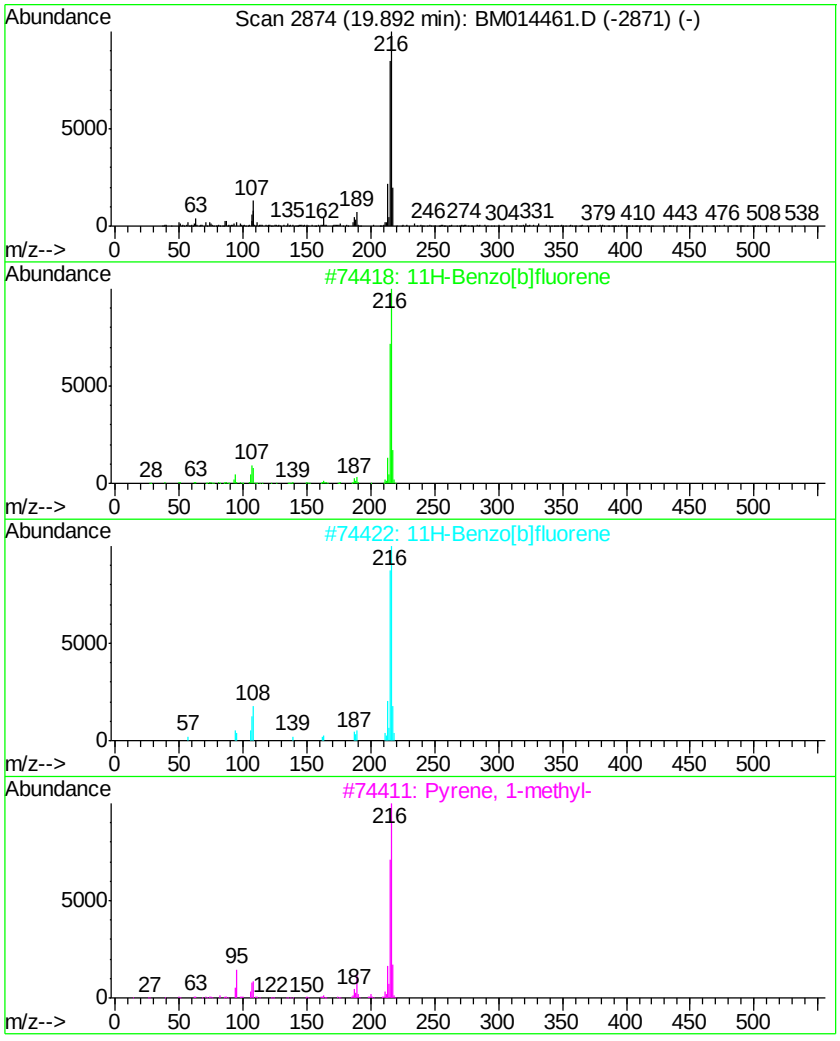
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

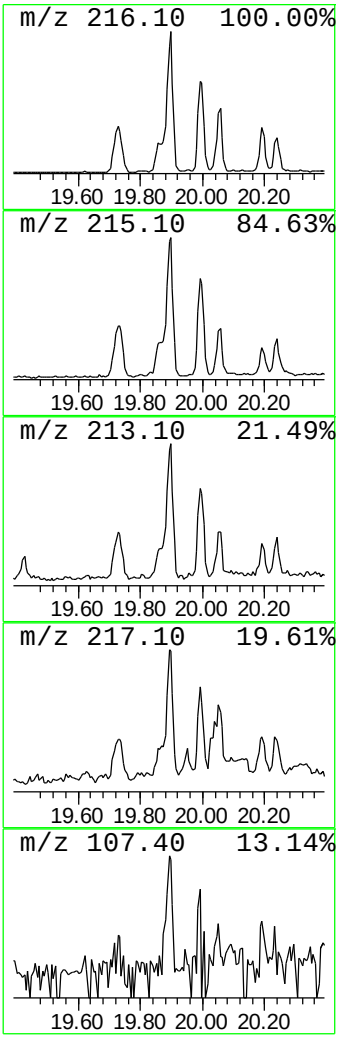
****

Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.89	4.28 ng/ul	1392140	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030218\
Data File : BM014461.D
Acq On : 02 Mar 2018 14:43
Operator : SJ/JU
Sample : J1679-02RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

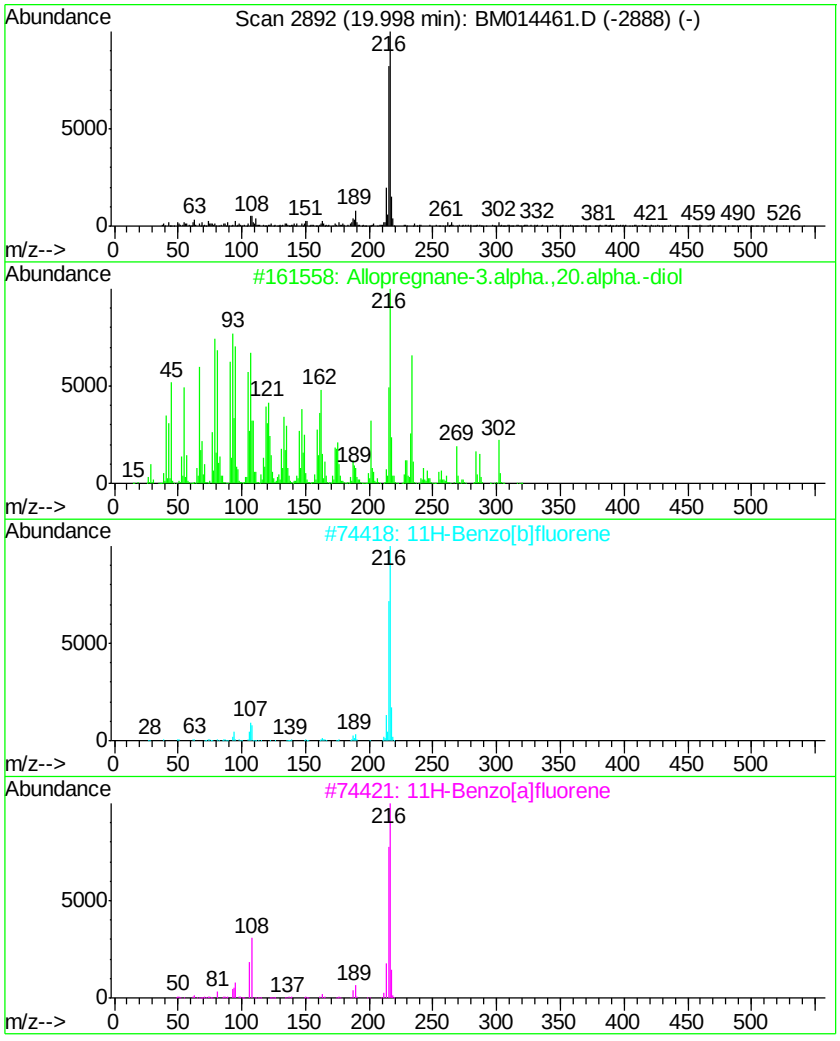
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

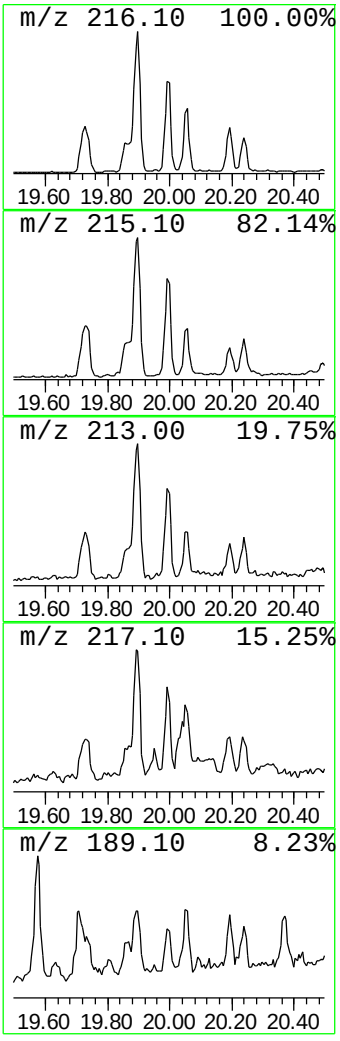
****

Peak Number 20 Allopregnane-3.alpha.,20.al... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	2.89 ng/ul	939918	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Allopregnane-3.alpha.,20.alpha.-...	320	C21H36O2	000566-58-5	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030218\
Data File : BM014461.D
Acq On : 02 Mar 2018 14:43
Operator : SJ/JU
Sample : J1679-02RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

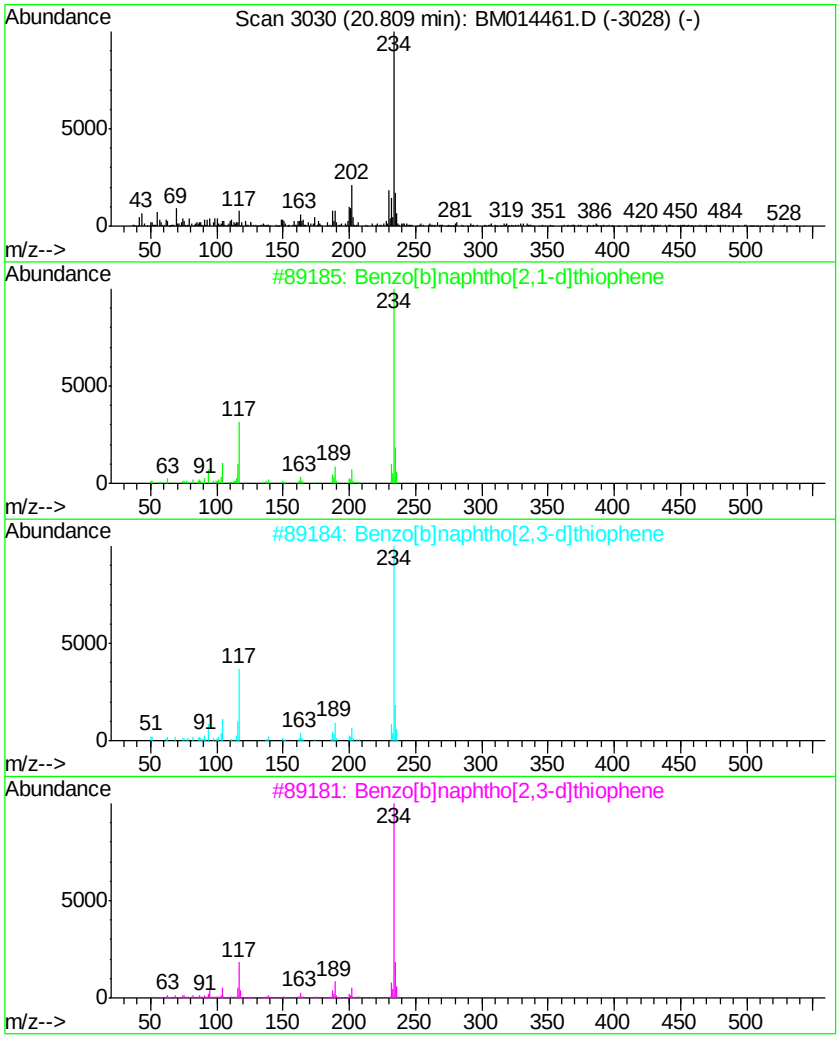
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

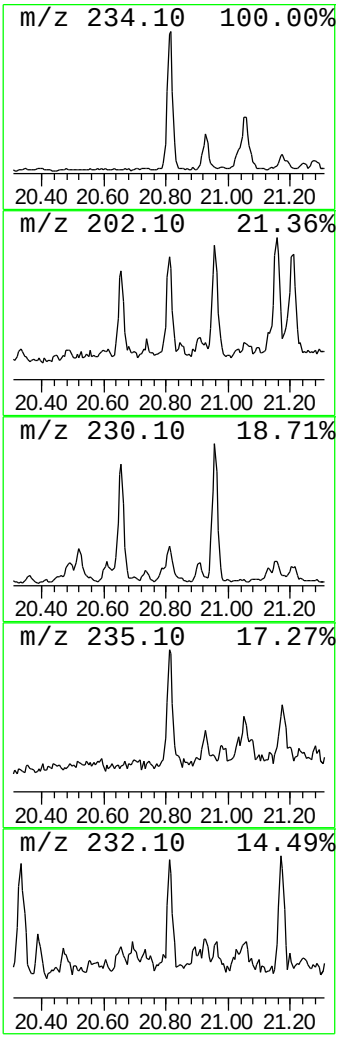
****

Peak Number 21 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.81	2.02 ng/ul	657827	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	70
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	62
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	62
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	62
5	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	58





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030218\
Data File : BM014461.D
Acq On : 02 Mar 2018 14:43
Operator : SJ/JU
Sample : J1679-02RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

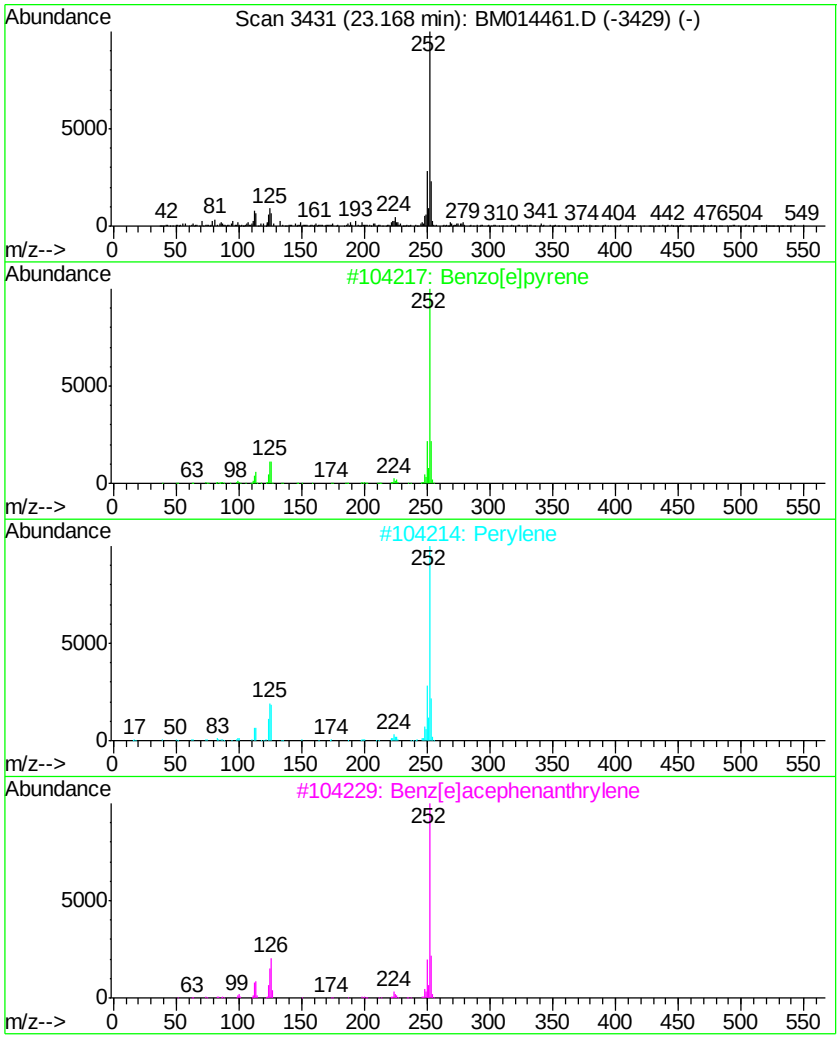
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

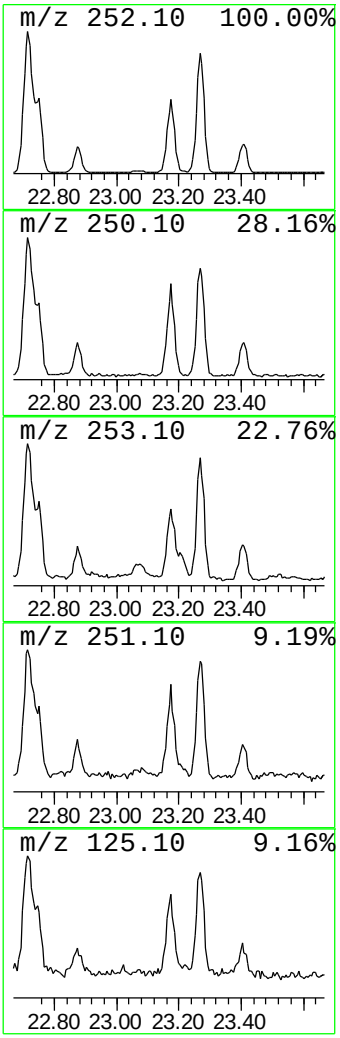
****

Peak Number 22 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.17	7.57 ng/ul	1305790	Perylene-d12	23.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Perylene	252	C20H12	000198-55-0	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM030218\
Data File : BM014461.D
Acq On : 02 Mar 2018 14:43
Operator : SJ/JU
Sample : J1679-02RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z7RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.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, 2,6-...	13.50	3.0	ng/ul	213651	3	14.18	1439610	20.0
Dibenzofuran, 4-m...	15.54	4.4	ng/ul	319629	3	14.18	1439610	20.0
9H-Fluorene, 1-me...	16.26	4.8	ng/ul	390510	4	16.95	1608930	20.0
Naphtho[2,1-b]fur...	16.49	2.1	ng/ul	171663	4	16.95	1608930	20.0
9H-Fluoren-9-one	16.62	5.5	ng/ul	443784	4	16.95	1608930	20.0
Phenol, 4-(2-phen...	16.68	3.6	ng/ul	288092	4	16.95	1608930	20.0
Naphtho[1,2-b]thi...	16.77	8.4	ng/ul	676772	4	16.95	1608930	20.0
unknown-01	17.54	3.1	ng/ul	250649	4	16.95	1608930	20.0
Phenanthrene, 1-m...	17.83	13.0	ng/ul	1045270	4	16.95	1608930	20.0
Phenanthrene, 2-m...	17.87	22.4	ng/ul	1800100	4	16.95	1608930	20.0
4H-Cyclopenta[def...	18.02	21.8	ng/ul	1756600	4	16.95	1608930	20.0
1H-Cyclopropa[l]p...	18.06	6.7	ng/ul	541092	4	16.95	1608930	20.0
Naphthalene, 2-ph...	18.33	9.1	ng/ul	733414	4	16.95	1608930	20.0
9,10-Anthracenedione	18.40	5.2	ng/ul	417236	4	16.95	1608930	20.0
Phenanthrene, 3,6...	18.63	2.6	ng/ul	206471	4	16.95	1608930	20.0
Phenanthrene, 2,3...	18.76	6.3	ng/ul	506493	4	16.95	1608930	20.0
11H-Benzo[b]fluorene	19.89	4.3	ng/ul	1392140	5	21.17	6510690	20.0
Allopregnane-3.al...	20.00	2.9	ng/ul	939918	5	21.17	6510690	20.0
Benzo[b]naphtho[2...	20.81	2.0	ng/ul	657827	5	21.17	6510690	20.0
Benzo[e]pyrene	23.17	7.6	ng/ul	1305790	6	23.36	3452000	20.0