LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013428.D
Acq On : 15 Dec 2017 07:11
Operator : SJ/JU
Sample : I6779-01 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A84

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	4.840	294	298	303	rVB2	51076	76463	1.05%	0.094%
2	6.857	635	641	650	rBV	306971	562825	7.71%	0.695%
3	7.016	663	668	676	rVB	215182	333488	4.57%	0.412%
4	7.210	695	701	707	rBV	314180	501879	6.87%	0.620%
5	7.675	773	780	790	rVB	1033031	1658268	22.71%	2.047%
6	8.210	865	871	879	rBV2	41049	74313	1.02%	0.092%
7	8.381	894	900	909	rBV2	380853	636552	8.72%	0.786%
8	8.828	971	976	984	rVB2	298205	501580	6.87%	0.619%
9	9.545	1091	1098	1109	rBV	254104	435301	5.96%	0.537%
10	10.086	1182	1190	1200	rVB	372270	661575	9.06%	0.817%
11	10.457	1245	1253	1259	rBV	1397769	2421147	33.16%	2.989%
12	10.604	1270	1278	1288	rBV	129929	260518	3.57%	0.322%
13	11.986	1502	1513	1520	rBV2	223007	403380	5.52%	0.498%
14	13.733	1805	1810	1814	rBV	703367	950660	13.02%	1.174%
15	13.780	1814	1818	1827	rVB2	206442	345840	4.74%	0.427%
16	14.010	1846	1857	1859	rBV	781059	1161981	15.91%	1.434%
17	14.039	1859	1862	1873	rVB	697481	1060611	14.53%	1.309%
18	14.321	1900	1910	1917	rBV2	2003926	3153066	43.19%	3.892%
19	14.539	1941	1947	1958	rBV3	216829	432320	5.92%	0.534%
20	14.927	2007	2013	2019	rBV8	39416	78871	1.08%	0.097%
21	15.186	2052	2057	2066	rVB4	98334	172170	2.36%	0.213%
22	15.316	2071	2079	2085	rBV	977804	1366027	18.71%	1.686%
23	15.386	2085	2091	2095	rBV4	43873	93880	1.29%	0.116%
24	15.445	2095	2101	2107	rBV2	215079	316106	4.33%	0.390%
25	15.586	2116	2125	2135	rVB8	62591	180226	2.47%	0.222%
26	16.045	2196	2203	2211	rBV5	186328	452182	6.19%	0.558%
27	16.727	2315	2319	2325	rVV6	65560	105029	1.44%	0.130%
28	16.839	2334	2338	2342	rVV2	69046	93119	1.28%	0.115%
29	16.886	2343	2346	2353	rVB7	44421	82977	1.14%	0.102%
30	17.068	2371	2377	2382	rBV2	2469866	3482263	47.69%	4.299%
31	17.110	2382	2384	2388	rVV	117524	141351	1.94%	0.174%
32	17.168	2388	2394	2397	rVV2	927611	1429491	19.58%	1.765%
33	17.198	2397	2399	2405	rVV	399945	533031	7.30%	0.658%
34	17.257	2405	2409	2416	rVB6	52126	102075	1.40%	0.126%

LSC Area Percent Report

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Sample : I6779-01 5X
Misc :
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Instrument : BNA_M
ClientSampleId : F9A84

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

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Peak separation: 5

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

35	17.474	2442	2446	2449	rBV2	72136	98935	1.36%	0.122%
36	17.574	2460	2463	2472	rVB4	71651	137584	1.88%	0.170%
37	17.968	2527	2530	2541	rVB6	116463	263881	3.61%	0.326%
38	18.074	2543	2548	2552	rVV	106058	164197	2.25%	0.203%
39	18.139	2554	2559	2568	rVB3	182770	408026	5.59%	0.504%
40	18.268	2577	2581	2584	rVB4	79494	90094	1.23%	0.111%
41	18.492	2616	2619	2624	rVB4	93638	130715	1.79%	0.161%
42	18.786	2666	2669	2672	rVB2	69404	82522	1.13%	0.102%
43	18.868	2677	2683	2687	rBV5	195976	383662	5.25%	0.474%
44	19.009	2702	2707	2714	rBV	519308	809054	11.08%	0.999%
45	19.133	2722	2728	2735	rVB	2698273	3645941	49.94%	4.501%
46	19.198	2735	2739	2742	rBV4	87963	135141	1.85%	0.167%
47	19.233	2742	2745	2747	rVV2	63367	76857	1.05%	0.095%
48	19.280	2750	2753	2757	rVB	266747	333168	4.56%	0.411%
49	19.374	2766	2769	2771	rBV	84406	98247	1.35%	0.121%
50	19.403	2771	2774	2779	rVB2	122087	190797	2.61%	0.236%
51	19.468	2779	2785	2786	rBV2	1266706	1713193	23.46%	2.115%
52	19.498	2786	2790	2798	rVV	4278826	5961742	81.65%	7.359%
53	19.574	2799	2803	2810	rVB3	156596	280335	3.84%	0.346%
54	19.733	2827	2830	2836	rVB4	151438	239685	3.28%	0.296%
55	19.821	2840	2845	2857	rVV4	404671	1125289	15.41%	1.389%
56	19.909	2857	2860	2863	rVV3	105829	160520	2.20%	0.198%
57	19.992	2863	2874	2878	rVV3	452091	1506424	20.63%	1.860%
58	20.092	2888	2891	2894	rVB	188574	226486	3.10%	0.280%
59	20.151	2894	2901	2905	rBV2	585823	935390	12.81%	1.155%
60	20.292	2921	2925	2928	rBV	449019	563177	7.71%	0.695%
61	20.333	2929	2932	2937	rVB	319989	446507	6.12%	0.551%
62	20.450	2949	2952	2958	rVB6	145508	222973	3.05%	0.275%
63	20.739	2998	3001	3007	rVB	402848	596607	8.17%	0.736%
64	20.903	3026	3029	3033	rVB2	288603	361386	4.95%	0.446%
65	20.945	3033	3036	3039	rVV	331593	357432	4.90%	0.441%
66	20.980	3039	3042	3048	rVV2	682583	954195	13.07%	1.178%
67	21.039	3049	3052	3058	rVB	323125	422469	5.79%	0.522%
68	21.256	3082	3089	3094	rBV2	3333068	7301243	100.00%	9.013%
69	21.297	3094	3096	3103	rVB	1789500	2038898	27.93%	2.517%
70	21.415	3112	3116	3122	rBV2	235159	499856	6.85%	0.617%
71	21.468	3122	3125	3130	rVV3	150020	245995	3.37%	0.304%

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Misc :
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Instrument : BNA_M
ClientSampleId : F9A84

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

72	21.562	3138	3141	3147	rBV2	212010	316021	4.33%	0.390%
73	21.621	3148	3151	3154	rVV4	151845	178085	2.44%	0.220%
74	21.809	3177	3183	3186	rBV	453993	742839	10.17%	0.917%
75	21.862	3188	3192	3198	rVB3	342914	573281	7.85%	0.708%
76	22.003	3212	3216	3219	rBV	298298	411775	5.64%	0.508%
77	22.821	3349	3355	3360	rBV	2577299	5543996	75.93%	6.844%
78	22.986	3378	3383	3389	rVB	636731	1074576	14.72%	1.327%
79	23.297	3430	3436	3440	rBV	1336622	2360068	32.32%	2.913%
80	23.344	3440	3444	3446	rVV2	369109	601184	8.23%	0.742%
81	23.391	3446	3452	3458	rVB	1916581	3561069	48.77%	4.396%
82	23.486	3461	3468	3473	rBV	1187680	2327144	31.87%	2.873%
83	23.533	3473	3476	3484	rVB2	574052	1029959	14.11%	1.271%
84	25.715	3839	3847	3858	rVB	1026592	3027755	41.47%	3.738%
85	26.397	3956	3963	3974	rVB2	637778	1791339	24.53%	2.211%

Sum of corrected areas: 81008279

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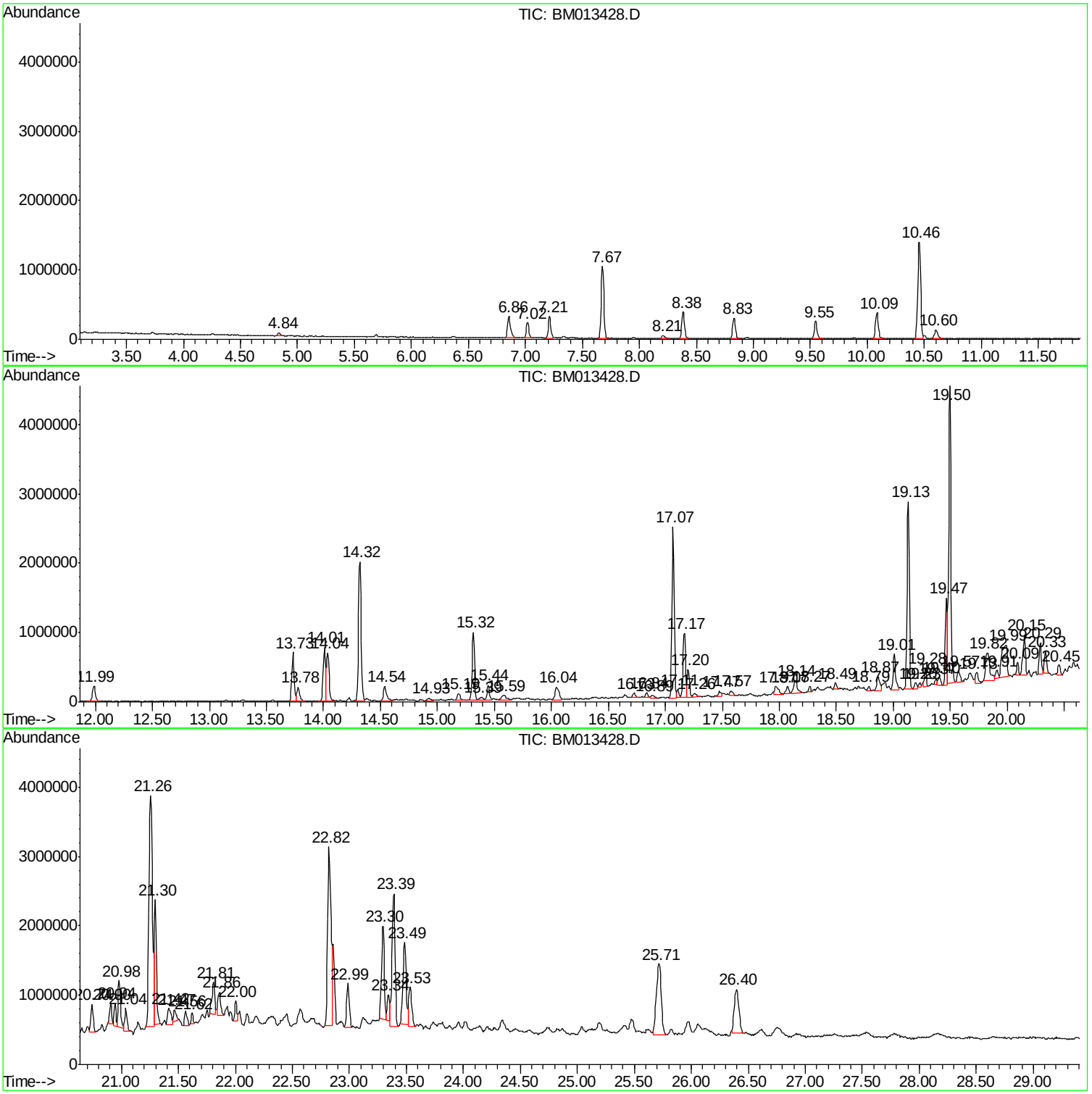
Instrument :
BNA_M
ClientSampleId :
F9A84

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



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
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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

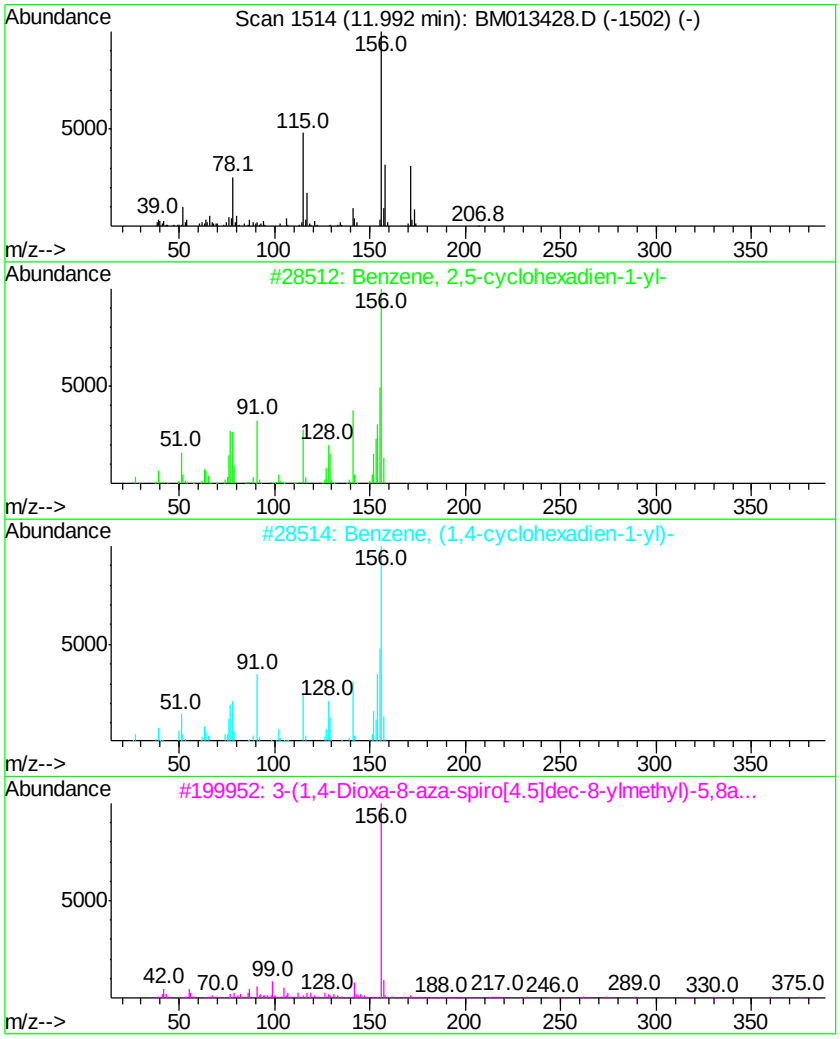
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

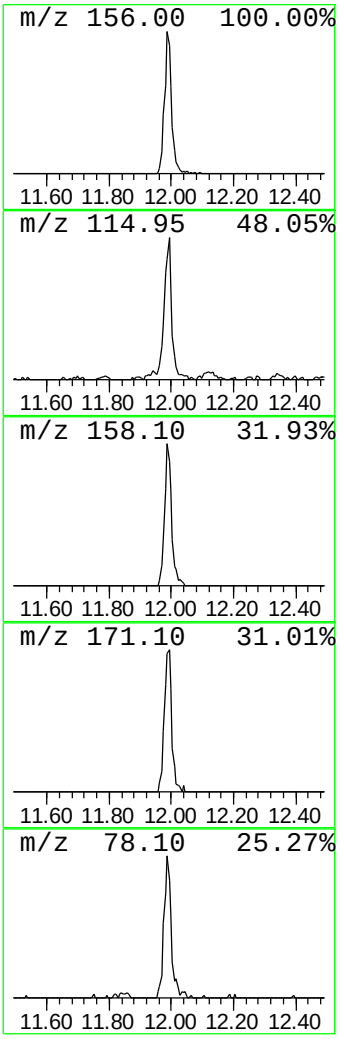
****

Peak Number 1 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	3.33 ng/ul	403380	Naphthalene-d8	10.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2,5-cyclohexadien-1-yl-	156	C12H12	004794-05-2	33
2	Benzene, (1,4-cyclohexadien-1-yl)-	156	C12H12	013703-52-1	33
3	3-(1,4-Dioxa-8-aza-spiro[4.5]dec...	375	C22H33NO4	1000300-75-6	32
4	6-Isopropylquinoline	171	C12H13N	000135-79-5	28
5	Tebuthiuron	228	C9H16N4OS	034014-18-1	28





Library Search Compound Report

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Data File : BM013428.D
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Sample : I6779-01 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A84

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

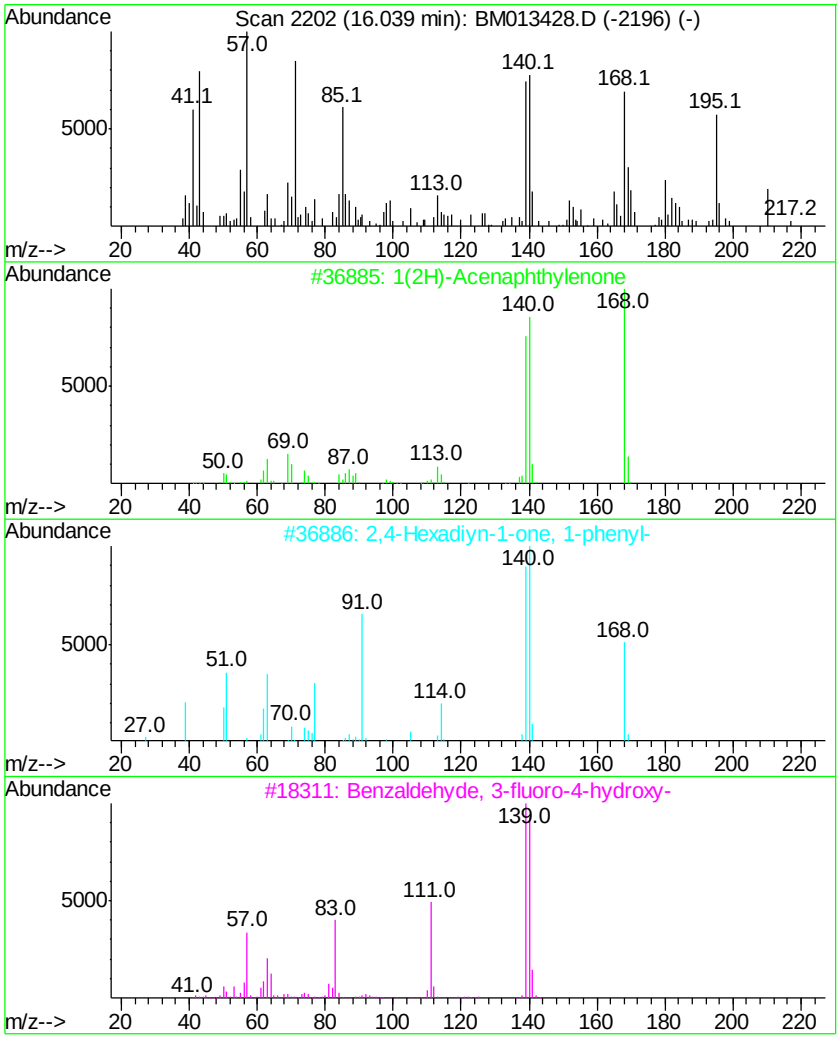
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

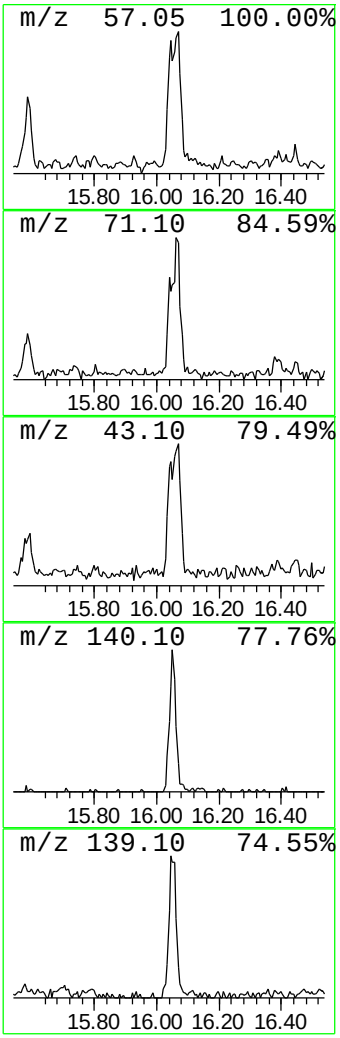
****

Peak Number 2 1(2H)-Acenaphthylenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	2.60 ng/ul	452182	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	53
2	2,4-Hexadiyn-1-one, 1-phenyl-	168	C12H8O	000495-74-9	47
3	Benzaldehyde, 3-fluoro-4-hydroxy-	140	C7H5FO2	000405-05-0	38
4	7(4H)-Benzothiazolone, 2-amino-5...	168	C7H8N2OS	017583-10-7	30
5	Tetradecane	198	C14H30	000629-59-4	25





Library Search Compound Report

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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

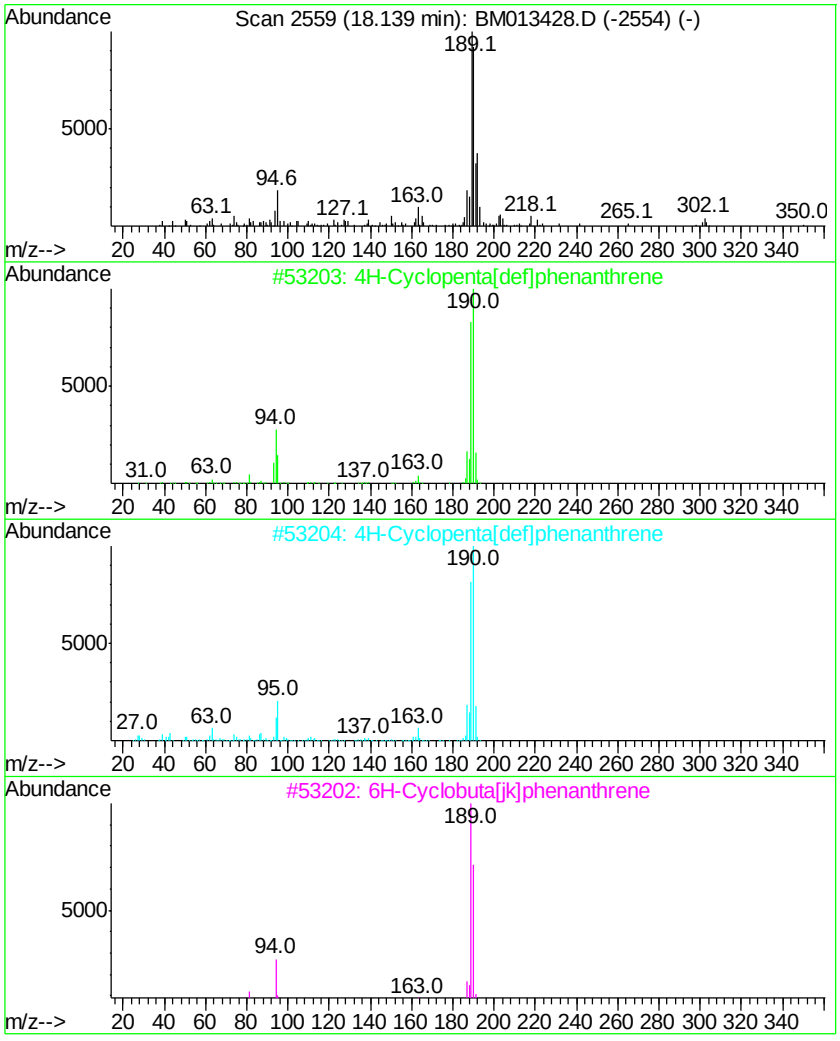
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

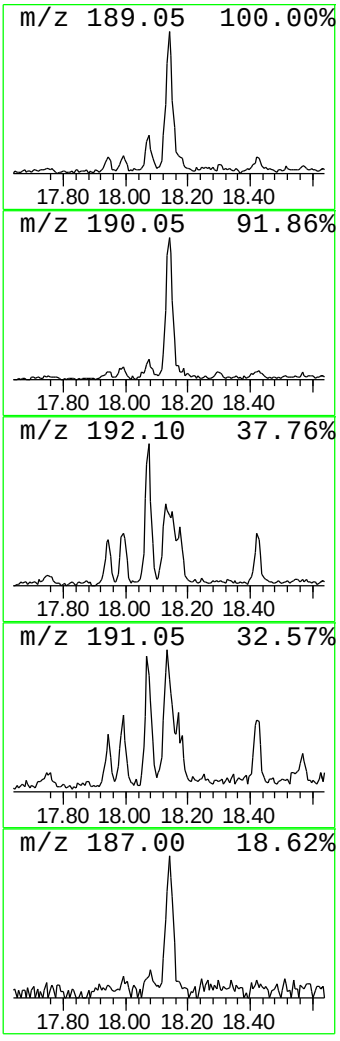
****

Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	2.34 ng/ul	408026	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	52
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50





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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
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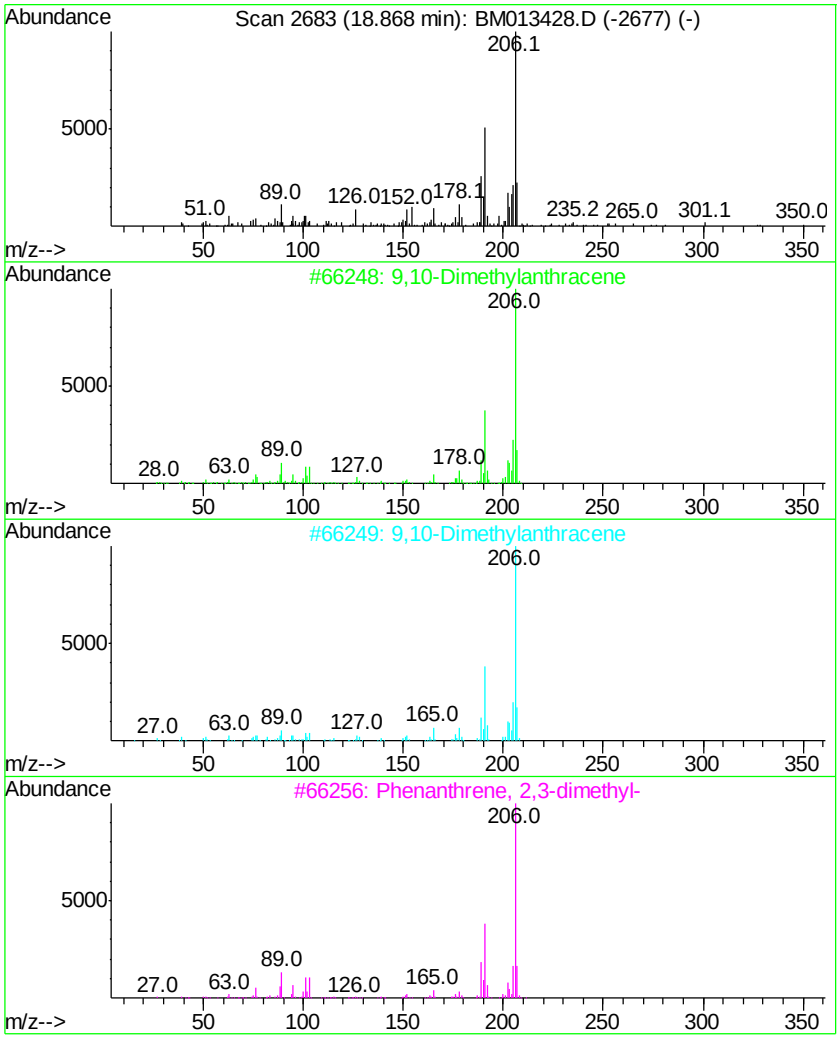
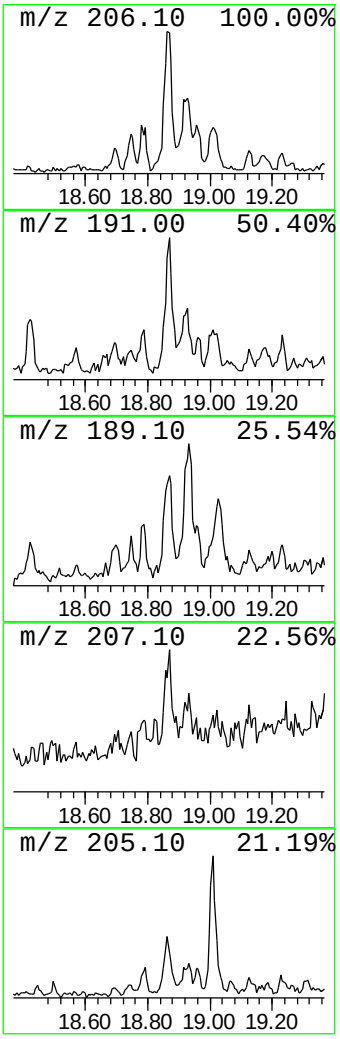
****

Peak Number 4 9,10-Dimethylanthracene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	2.20 ng/ul	383662	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	81
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	80





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Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A84

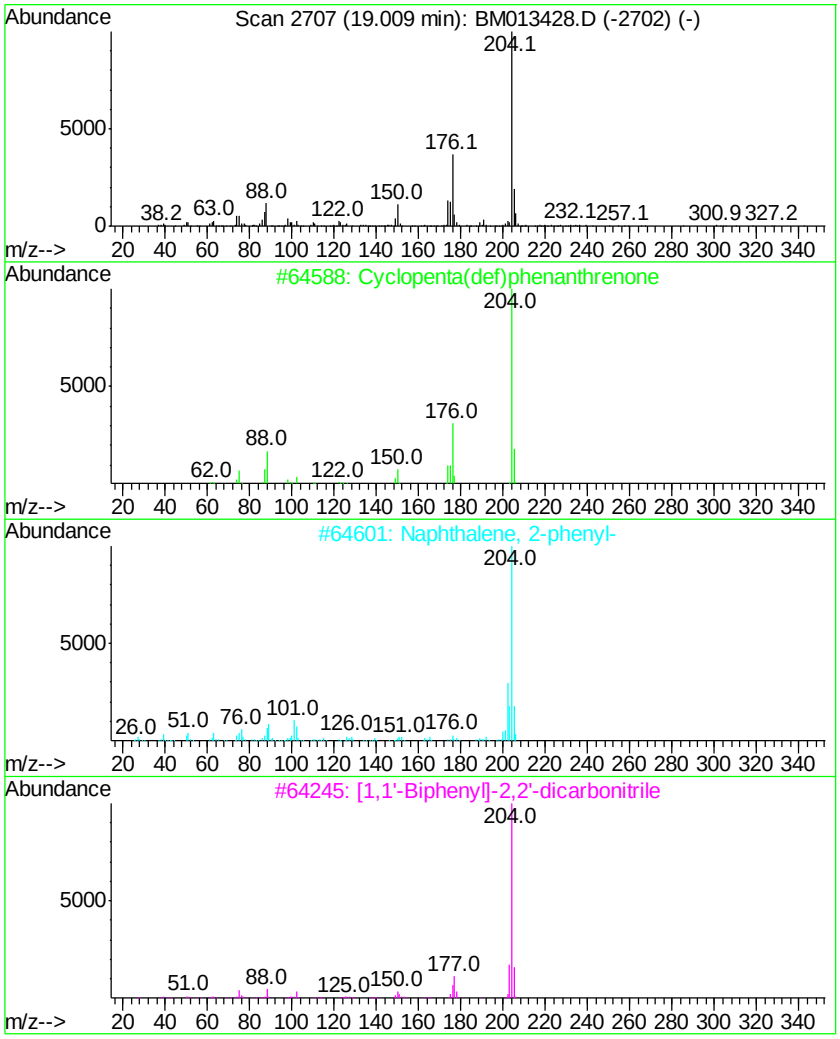
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

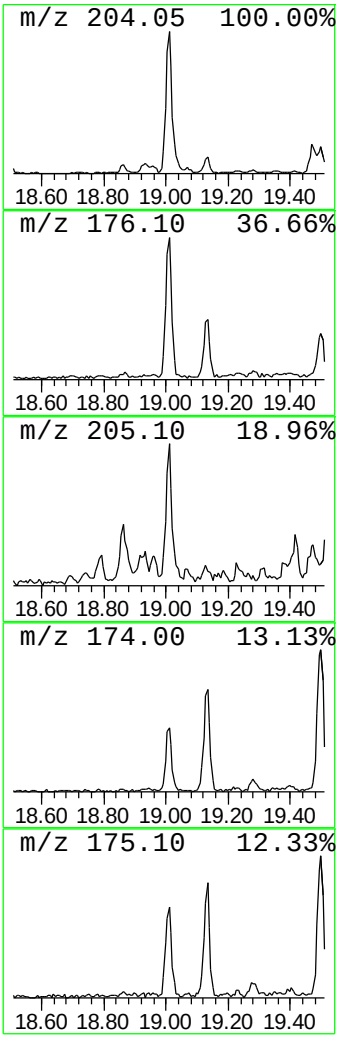
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Cyclopenta(def)phenanthrenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.01	4.65 ng/ul	809054	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	50
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
4	Isoquinoline, 1-phenyl-	205	C15H11N	003297-72-1	50
5	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	50





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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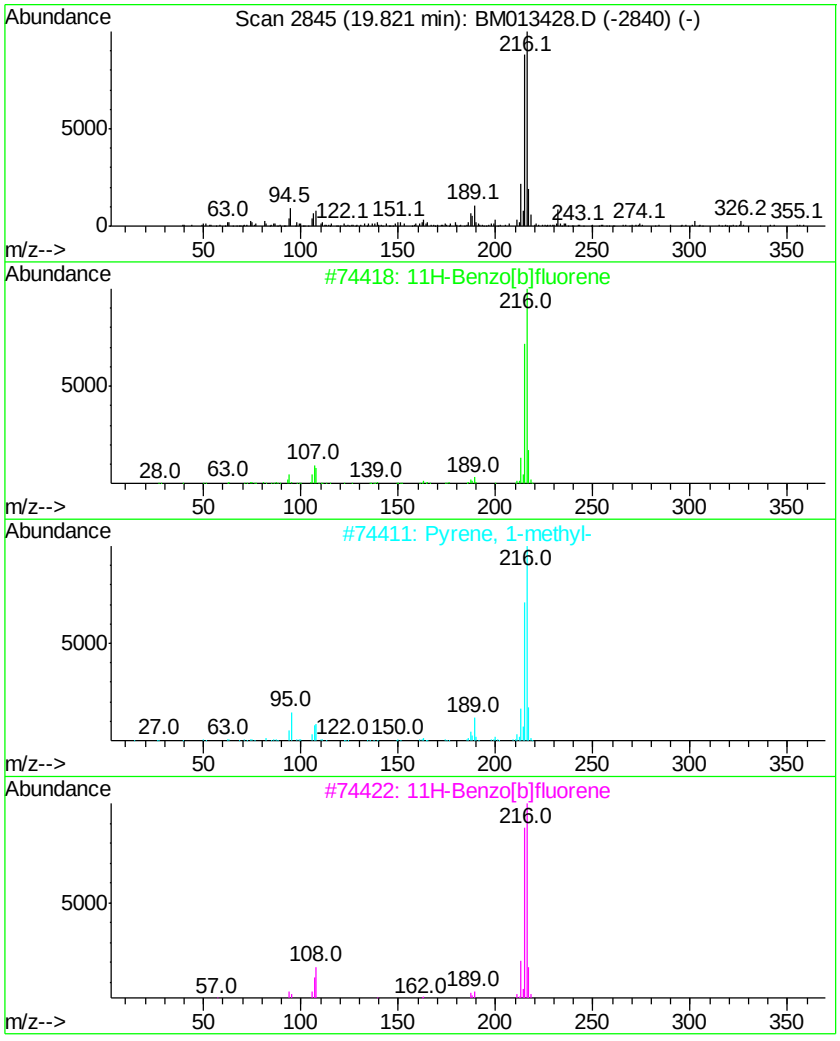
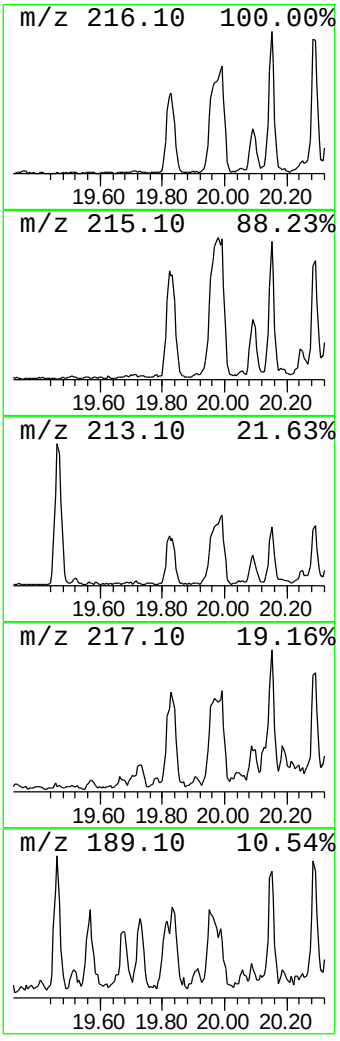
Peak Number 6 11H-Benzo[b]fluorene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.82	3.08 ng/ul	1125290	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





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Acq On : 15 Dec 2017 07:11
Operator : SJ/JU
Sample : I6779-01 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A84

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

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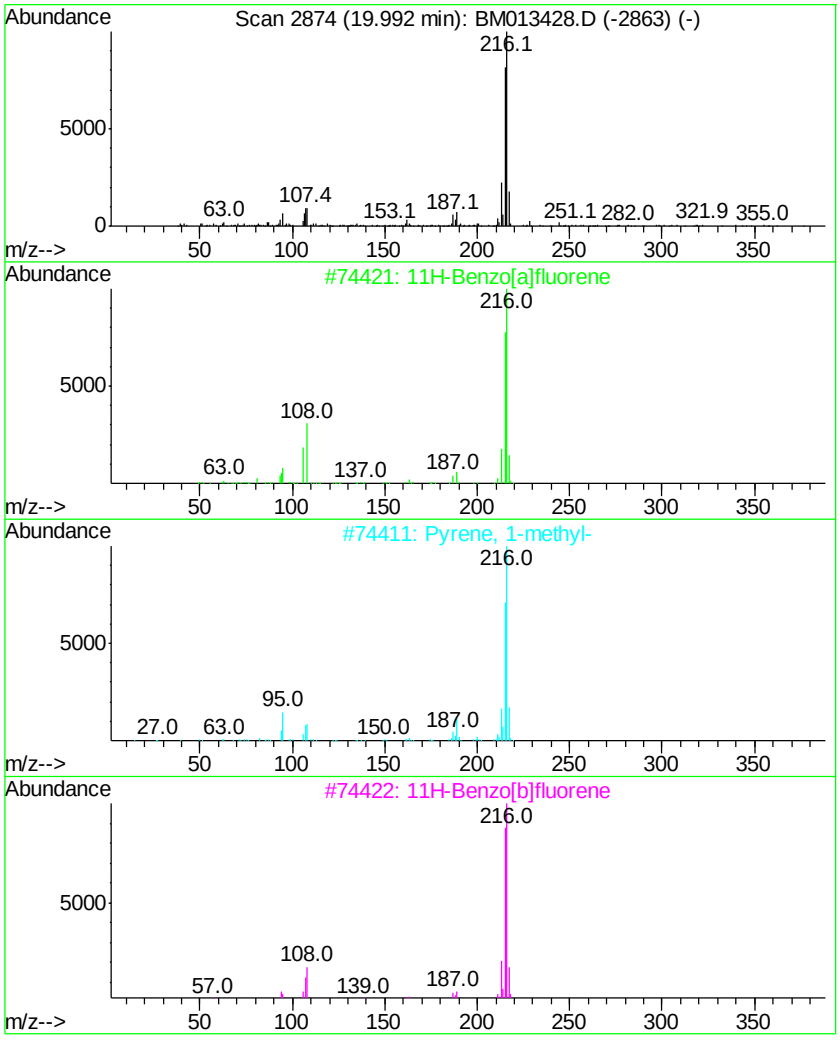
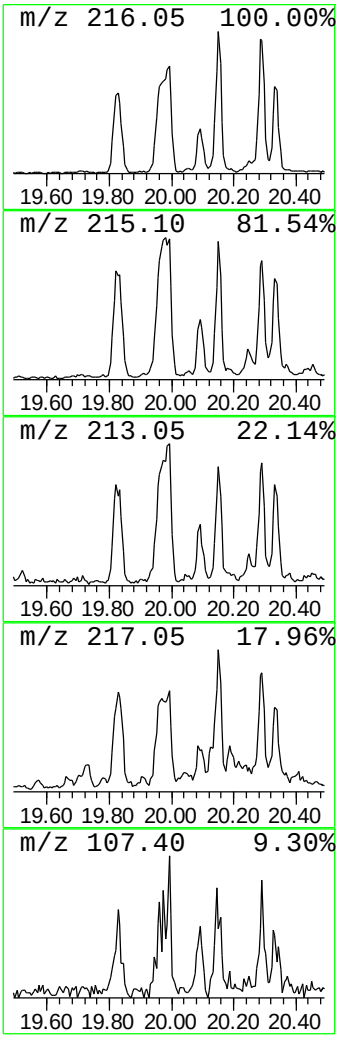
Peak Number 7 11H-Benzo[a]fluorene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.99	4.13 ng/ul	1506420	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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Operator : SJ/JU
Sample : I6779-01 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A84

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

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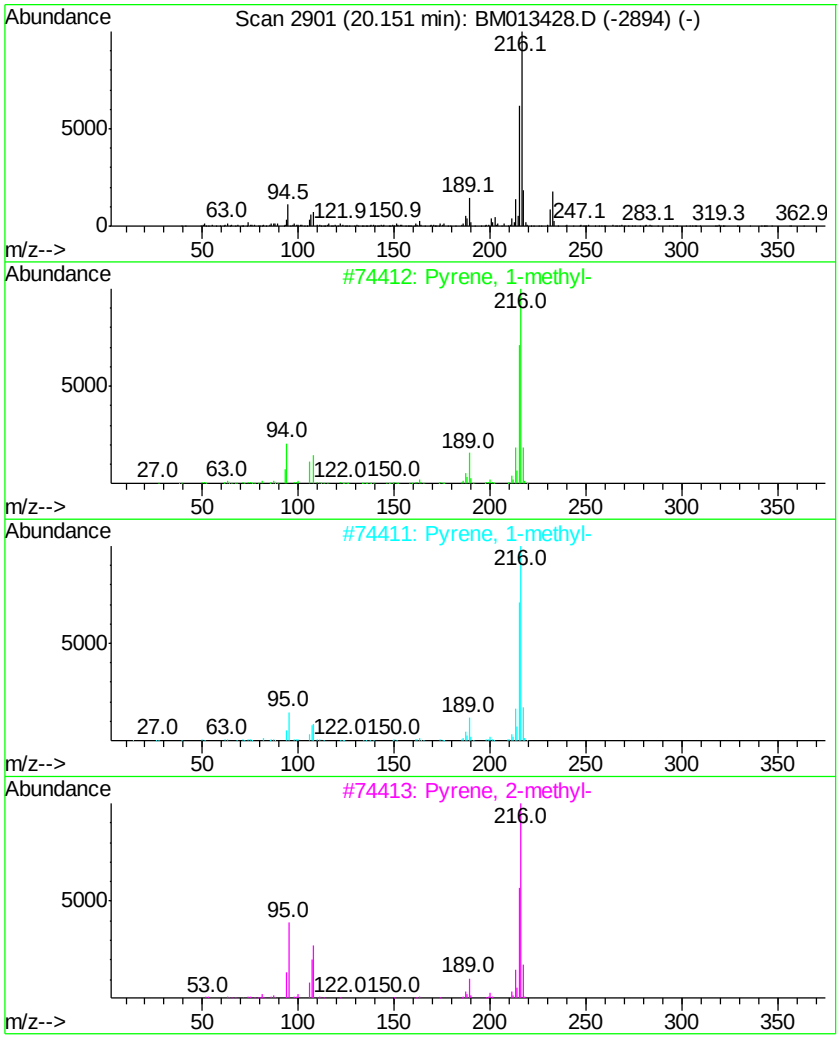
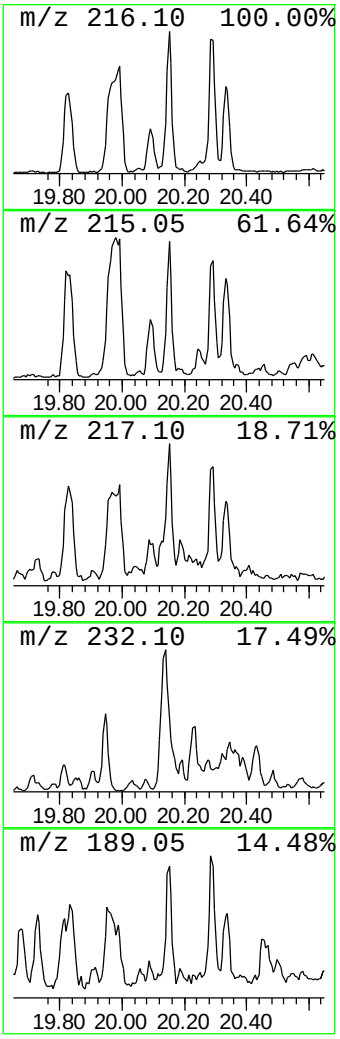
Peak Number 8 Pyrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.15	2.56 ng/ul	935390	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93





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Data File : BM013428.D
Acq On : 15 Dec 2017 07:11
Operator : SJ/JU
Sample : I6779-01 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A84

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

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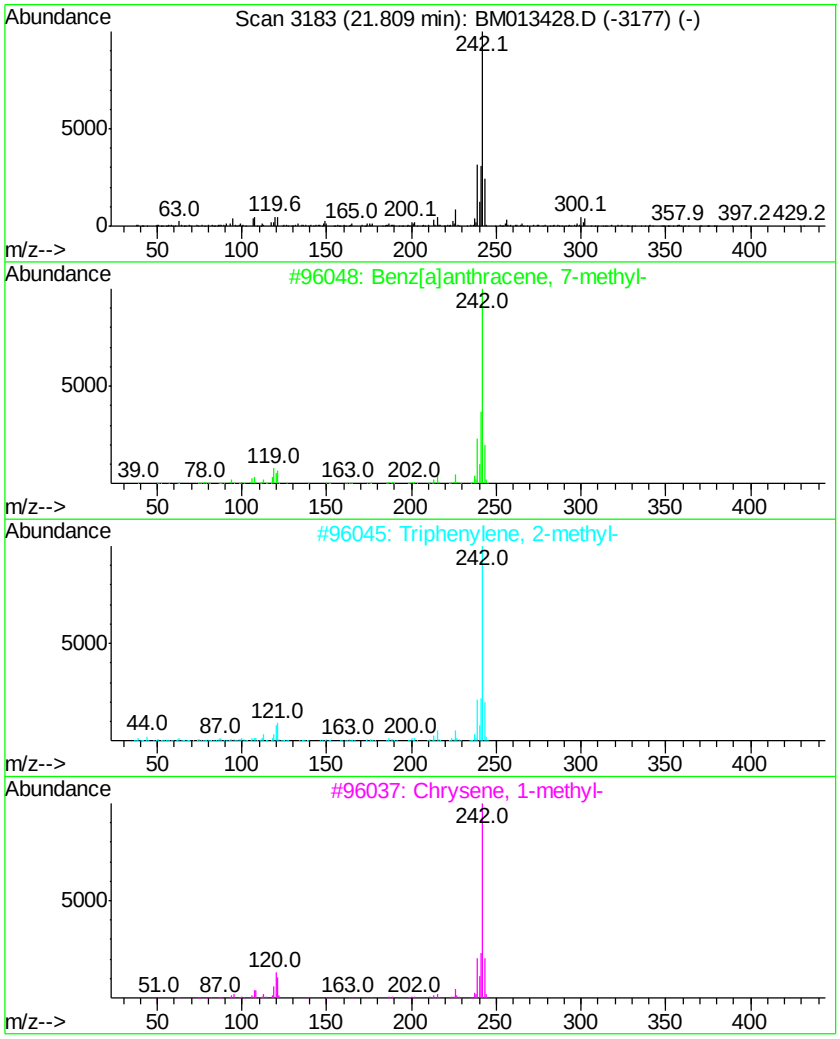
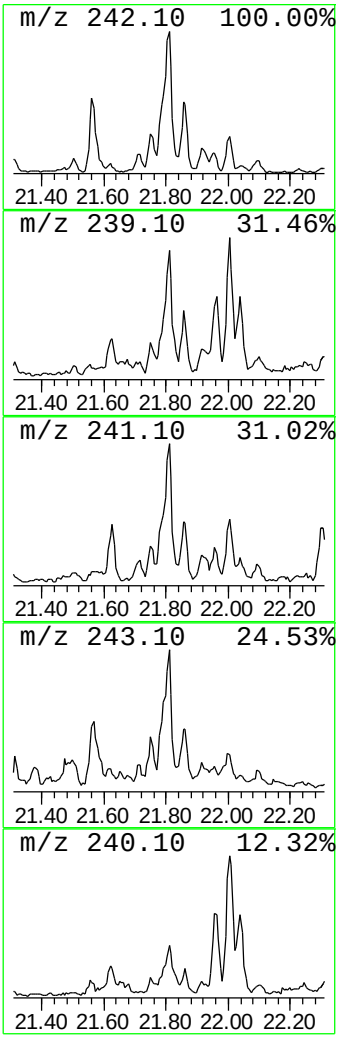
Peak Number 10 Benz[a]anthracene, 7-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.81	2.03 ng/ul	742839	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	81
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	76
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	76





Library Search Compound Report

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Data File : BM013428.D
Acq On : 15 Dec 2017 07:11
Operator : SJ/JU
Sample : I6779-01 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A84

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

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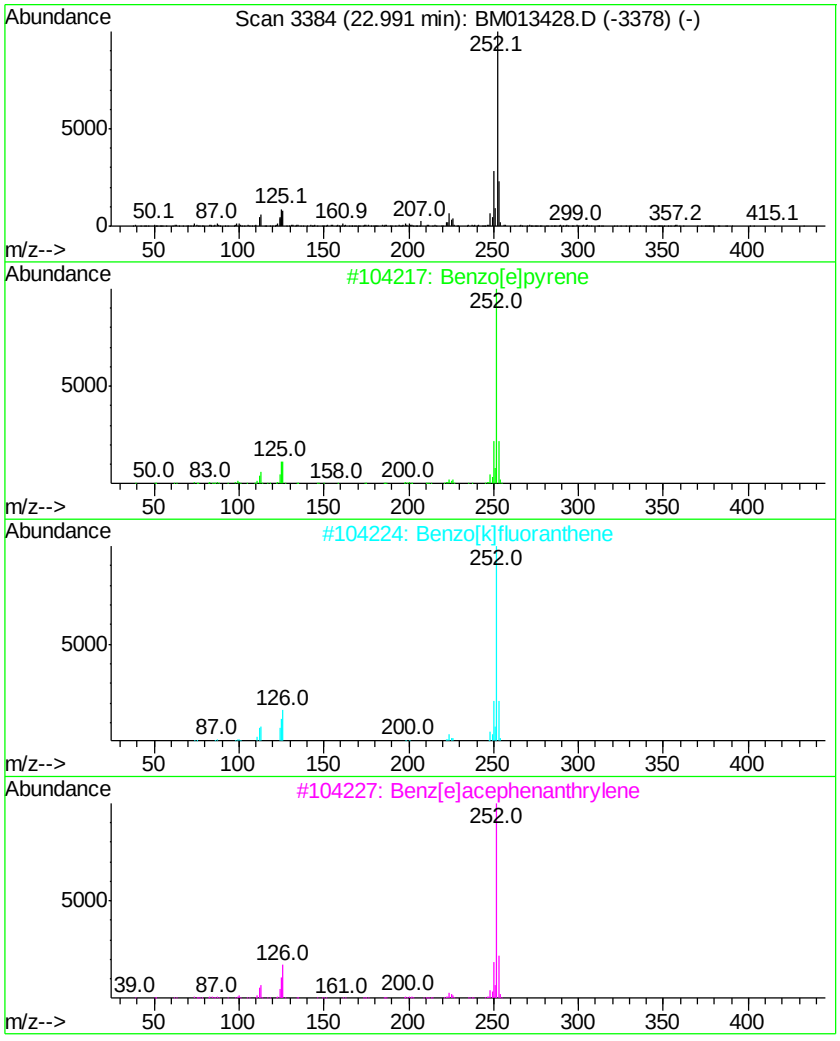
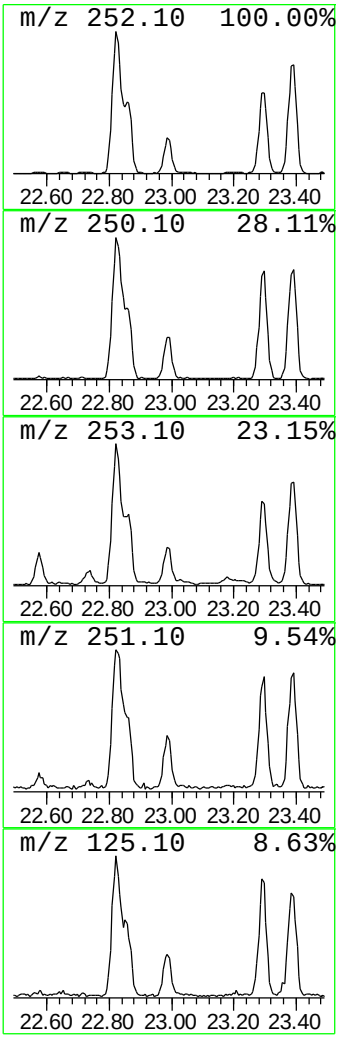
Peak Number 11 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.99	9.24 ng/ul	1074580	Perylene-d12	23.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	86





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM121417\
Data File : BM013428.D
Acq On : 15 Dec 2017 07:11
Operator : SJ/JU
Sample : I6779-01 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A84

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
unknown-01	11.99	3.3	ng/ul	403380	2	10.46	2421150	20.0
1(2H)-Acenaphthyl...	16.04	2.6	ng/ul	452182	4	17.07	3482260	20.0
4H-Cyclopenta[def...	18.14	2.3	ng/ul	408026	4	17.07	3482260	20.0
9,10-Dimethylanth...	18.87	2.2	ng/ul	383662	4	17.07	3482260	20.0
Cyclopenta(def)ph...	19.01	4.7	ng/ul	809054	4	17.07	3482260	20.0
11H-Benzo[b]fluorene	19.82	3.1	ng/ul	1125290	5	21.26	7301240	20.0
11H-Benzo[a]fluorene	19.99	4.1	ng/ul	1506420	5	21.26	7301240	20.0
Pyrene, 1-methyl-	20.15	2.6	ng/ul	935390	5	21.26	7301240	20.0
Benz[a]anthracene...	21.81	2.0	ng/ul	742839	5	21.26	7301240	20.0
Benzo[e]pyrene	22.99	9.2	ng/ul	1074580	6	23.49	2327140	20.0