LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111515\
Data File : BM003128.D
Acq On : 15 Nov 2015 12:35
Operator : UM/IZ
Sample : G4401-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC786

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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-BM103015.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	6.904	642	649	659	rBB	324969	522124	11.08%	0.787%
2	7.075	672	678	688	rVB	272482	419951	8.91%	0.633%
3	7.275	706	712	720	rVB	347765	529961	11.24%	0.799%
4	7.745	785	792	799	rBV	467664	727199	15.43%	1.096%
5	8.445	903	911	918	rBV	423405	652811	13.85%	0.984%
6	8.898	981	988	996	rVB	304839	479245	10.17%	0.722%
7	9.622	1104	1111	1118	rVB	242025	392013	8.32%	0.591%
8	10.151	1193	1201	1211	rBB	409923	657534	13.95%	0.991%
9	10.533	1259	1266	1272	rBV	665575	1119801	23.76%	1.688%
10	10.669	1282	1289	1299	rBV	292671	507084	10.76%	0.764%
11	13.798	1811	1821	1825	rBV	740295	1032923	21.91%	1.557%
12	13.845	1825	1829	1838	rVB	909539	1213804	25.75%	1.830%
13	14.080	1863	1869	1880	rVV	770158	1221965	25.92%	1.842%
14	14.392	1914	1922	1929	rVV2	929075	1427140	30.28%	2.151%
15	14.580	1947	1954	1966	rBV	257410	383859	8.14%	0.579%
16	15.386	2082	2091	2096	rVV	1009247	1479000	31.38%	2.229%
17	15.433	2096	2099	2104	rVV2	85893	133504	2.83%	0.201%
18	15.498	2105	2110	2118	rVV	215388	311002	6.60%	0.469%
19	15.733	2145	2150	2157	rVB	76353	115345	2.45%	0.174%
20	15.880	2165	2175	2183	rVB2	76980	162351	3.44%	0.245%
21	16.110	2209	2214	2222	rBV3	68297	133940	2.84%	0.202%
22	16.445	2263	2271	2275	rBV2	90193	180888	3.84%	0.273%
23	16.668	2302	2309	2313	rBV2	94635	160851	3.41%	0.242%
24	16.868	2337	2343	2346	rBV	88975	164766	3.50%	0.248%
25	16.951	2353	2357	2367	rVB3	77522	148017	3.14%	0.223%
26	17.133	2382	2388	2392	rBV	1070293	1600610	33.96%	2.413%
27	17.180	2392	2396	2400	rVV	1092641	1568937	33.29%	2.365%
28	17.233	2400	2405	2408	rVV	1058548	1491782	31.65%	2.249%
29	17.268	2408	2411	2416	rVV	549937	742590	15.75%	1.119%
30	17.321	2416	2420	2426	rVV3	67831	125709	2.67%	0.189%
31	17.574	2458	2463	2469	rVV3	58293	135636	2.88%	0.204%
32	17.656	2470	2477	2484	rVV2	63236	138589	2.94%	0.209%
33	18.009	2532	2537	2542	rVV	310778	565308	11.99%	0.852%
34	18.056	2542	2545	2551	rVV	436647	592238	12.56%	0.893%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111515\
Data File : BM003128.D
Acq On : 15 Nov 2015 12:35
Operator : UM/IZ
Sample : G4401-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC786

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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-BM103015.M
Title : SVOA CALIBRATION

35	18.139	2551	2559	2564	rVV	299150	428780	9.10%	0.646%
36	18.209	2564	2571	2574	rVV2	490836	895956	19.01%	1.350%
37	18.245	2574	2577	2584	rVB	198115	270671	5.74%	0.408%
38	18.515	2618	2623	2627	rVB	233023	311950	6.62%	0.470%
39	18.809	2669	2673	2676	rBV	93298	114516	2.43%	0.173%
40	18.851	2676	2680	2683	rVB	81339	112271	2.38%	0.169%
41	18.927	2688	2693	2698	rBV2	186592	343263	7.28%	0.517%
42	18.998	2700	2705	2708	rVV2	122988	223022	4.73%	0.336%
43	19.068	2713	2717	2720	rBV	78367	116327	2.47%	0.175%
44	19.198	2731	2739	2746	rBV	3105296	4341036	92.10%	6.543%
45	19.309	2753	2758	2761	rVV3	65758	128332	2.72%	0.193%
46	19.345	2761	2764	2769	rVB	314087	409358	8.68%	0.617%
47	19.439	2775	2780	2789	rVB3	125523	247199	5.24%	0.373%
48	19.533	2790	2796	2798	rBV2	1588417	2296842	48.73%	3.462%
49	19.562	2798	2801	2809	rVV	2370591	3383633	71.79%	5.100%
50	19.633	2809	2813	2820	rVB4	191796	336625	7.14%	0.507%
51	19.739	2826	2831	2838	rVV	233532	346789	7.36%	0.523%
52	19.886	2850	2856	2864	rBV4	238609	617000	13.09%	0.930%
53	20.021	2874	2879	2881	rVV3	193480	310853	6.59%	0.469%
54	20.056	2881	2885	2892	rVB	697571	1020115	21.64%	1.538%
55	20.156	2897	2902	2906	rBV	659634	900740	19.11%	1.358%
56	20.215	2906	2912	2917	rVB2	306074	556360	11.80%	0.839%
57	20.303	2922	2927	2932	rBV3	71467	136872	2.90%	0.206%
58	20.356	2932	2936	2939	rBV	148349	179774	3.81%	0.271%
59	20.403	2940	2944	2951	rVB3	169460	257026	5.45%	0.387%
60	20.656	2983	2987	2989	rVV3	104214	171544	3.64%	0.259%
61	20.680	2989	2991	2993	rVV	110572	125906	2.67%	0.190%
62	20.709	2993	2996	3001	rVV3	99684	157794	3.35%	0.238%
63	20.768	3001	3006	3010	rVV3	150360	266789	5.66%	0.402%
64	20.815	3010	3014	3019	rVB3	101665	175347	3.72%	0.264%
65	20.974	3038	3041	3044	rBV	176927	216360	4.59%	0.326%
66	21.015	3044	3048	3051	rVV	280042	378684	8.03%	0.571%
67	21.050	3051	3054	3059	rVB2	182054	311221	6.60%	0.469%
68	21.215	3075	3082	3084	rBV2	97593	194822	4.13%	0.294%
69	21.315	3090	3099	3105	rBV2	2261078	4713548	100.00%	7.105%
70	21.368	3105	3108	3117	rVB	1363187	1776423	37.69%	2.678%
71	21.486	3124	3128	3132	rBV	271236	391598	8.31%	0.590%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111515\
Data File : BM003128.D
Acq On : 15 Nov 2015 12:35
Operator : UM/IZ
Sample : G4401-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC786

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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-BM103015.M
Title : SVOA CALIBRATION

72	21.533	3132	3136	3141	rVV	200068	317753	6.74%	0.479%
73	21.592	3141	3146	3150	rVB2	118803	199289	4.23%	0.300%
74	21.639	3150	3154	3160	rBV4	150415	277780	5.89%	0.419%
75	21.827	3182	3186	3189	rVV2	98144	160172	3.40%	0.241%
76	21.880	3189	3195	3199	rVV	385494	728954	15.47%	1.099%
77	21.933	3199	3204	3209	rVV4	222882	430899	9.14%	0.649%
78	22.003	3213	3216	3218	rVV2	108176	158463	3.36%	0.239%
79	22.039	3218	3222	3225	rVV2	218225	351897	7.47%	0.530%
80	22.080	3225	3229	3232	rVV2	193869	339638	7.21%	0.512%
81	22.115	3232	3235	3240	rVV3	245089	377396	8.01%	0.569%
82	22.180	3242	3246	3255	rVB3	114163	219162	4.65%	0.330%
83	22.386	3276	3281	3283	rBV3	86892	144320	3.06%	0.218%
84	22.521	3300	3304	3313	rVB2	129183	273761	5.81%	0.413%
85	22.662	3323	3328	3337	rVB	93788	209340	4.44%	0.316%
86	22.915	3363	3371	3376	rBV	953217	2589852	54.94%	3.904%
87	23.086	3394	3400	3411	rVB	353884	624919	13.26%	0.942%
88	23.215	3418	3422	3425	rBV5	79621	154505	3.28%	0.233%
89	23.397	3446	3453	3457	rBV	508341	1004454	21.31%	1.514%
90	23.444	3457	3461	3465	rVV	752426	1447121	30.70%	2.181%
91	23.491	3465	3469	3477	rVV	1059846	1927879	40.90%	2.906%
92	23.591	3479	3486	3491	rVV	854920	1778767	37.74%	2.681%
93	23.638	3491	3494	3502	rVB2	289383	555927	11.79%	0.838%
94	24.133	3574	3578	3587	rVB5	70902	172343	3.66%	0.260%
95	24.468	3630	3635	3641	rVB2	72940	149900	3.18%	0.226%
96	24.668	3663	3669	3681	rBV4	76859	252810	5.36%	0.381%
97	25.874	3864	3874	3885	rVB2	442103	1288036	27.33%	1.941%
98	26.138	3912	3919	3927	rVB	92120	233561	4.96%	0.352%
99	26.568	3984	3992	4013	rVB	259131	882669	18.73%	1.330%
100	26.932	4046	4054	4074	rVB4	179258	687916	14.59%	1.037%

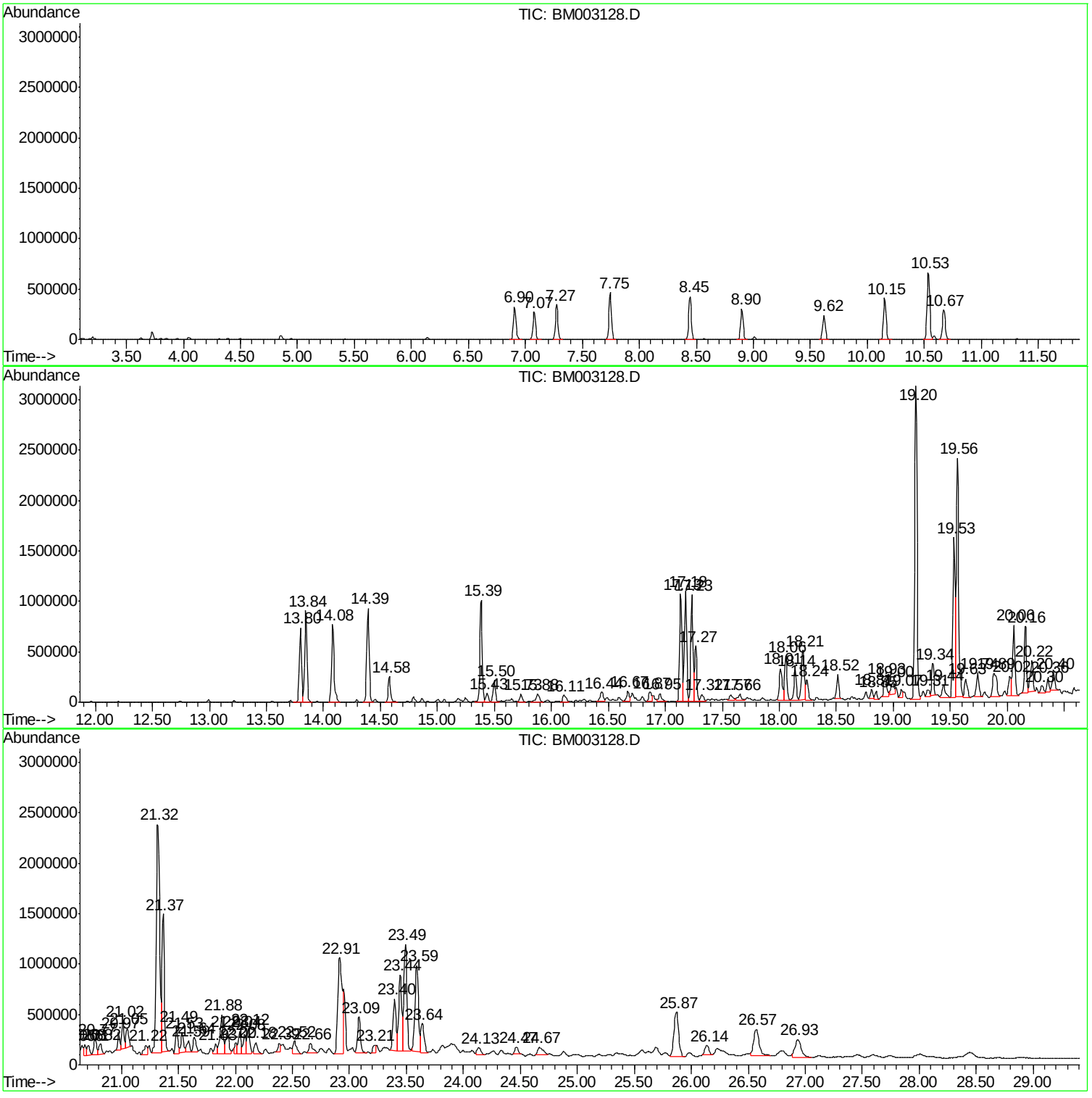
Sum of corrected areas: 66343306

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111515\
Data File : BM003128.D
Acq On : 15 Nov 2015 12:35
Operator : UM/IZ
Sample : G4401-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BC786

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM103015.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\BM111515\
Data File : BM003128.D
Acq On : 15 Nov 2015 12:35
Operator : UM/IZ
Sample : G4401-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC786

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM103015.M
Quant Title : SVOA CALIBRATION

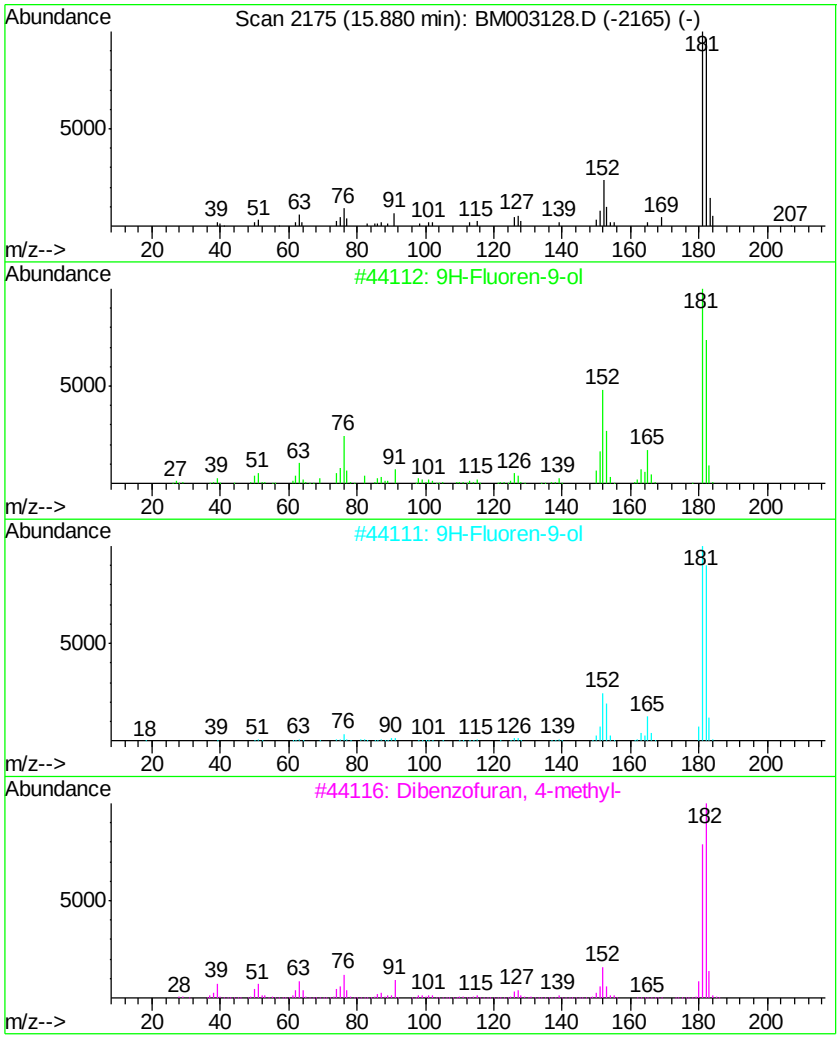
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

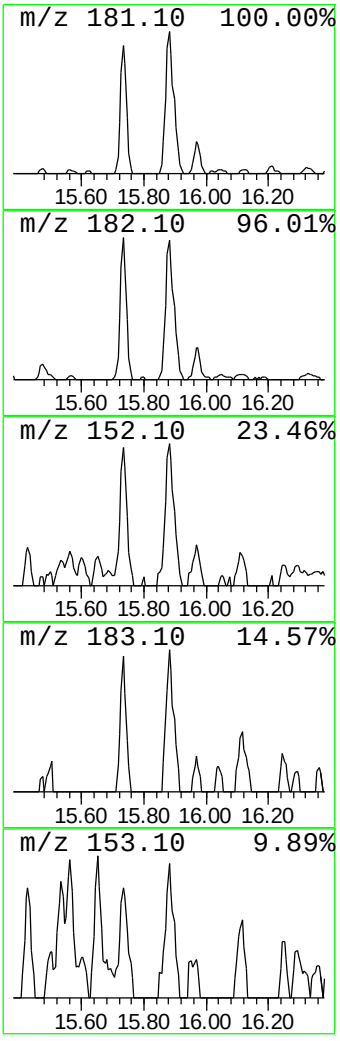
****

Peak Number 1 9H-Fluoren-9-ol Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	2.03 ng/ul	162351	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	87
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	74
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	64





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111515\
Data File : BM003128.D
Acq On : 15 Nov 2015 12:35
Operator : UM/IZ
Sample : G4401-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC786

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM103015.M
Quant Title : SVOA CALIBRATION

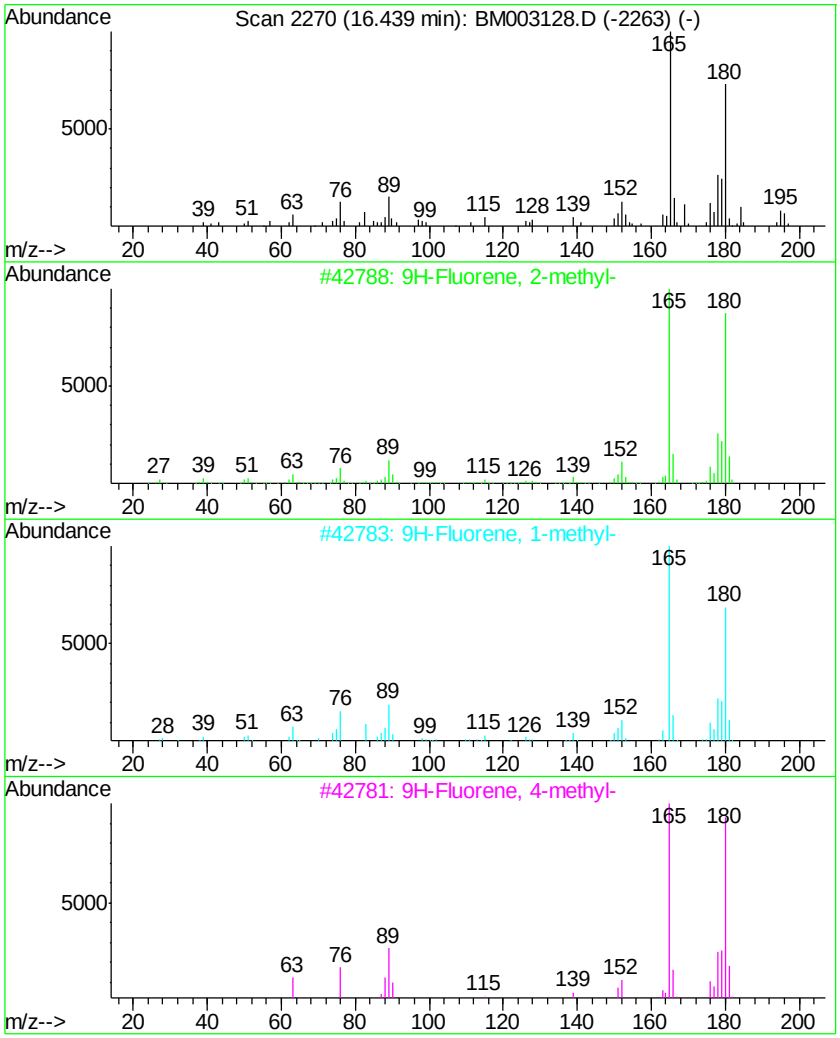
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

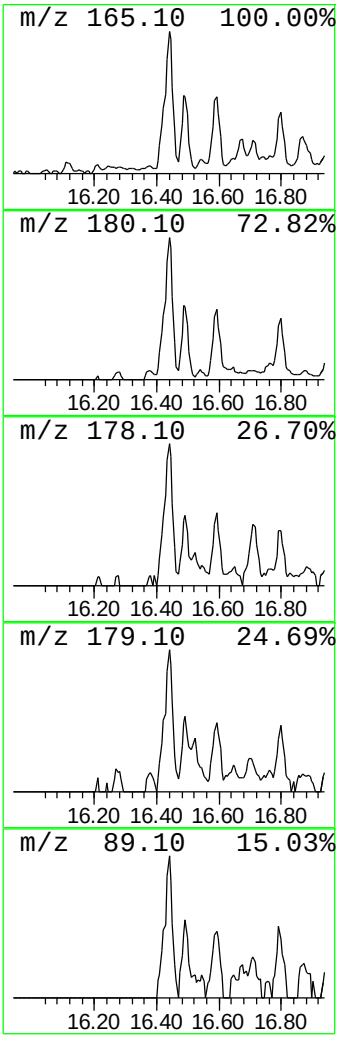
****

Peak Number 2 9H-Fluorene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	2.26 ng/ul	180888	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	78
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	78
3	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	78
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	78
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	55





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111515\
Data File : BM003128.D
Acq On : 15 Nov 2015 12:35
Operator : UM/IZ
Sample : G4401-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC786

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM103015.M
Quant Title : SVOA CALIBRATION

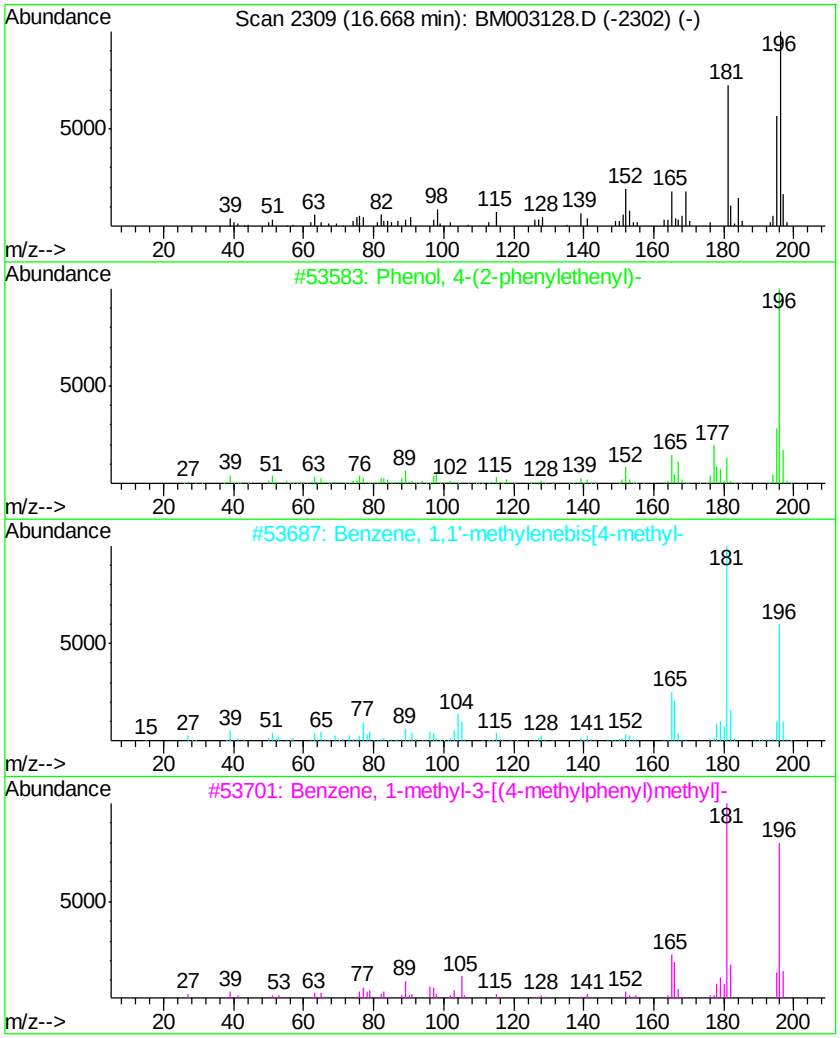
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

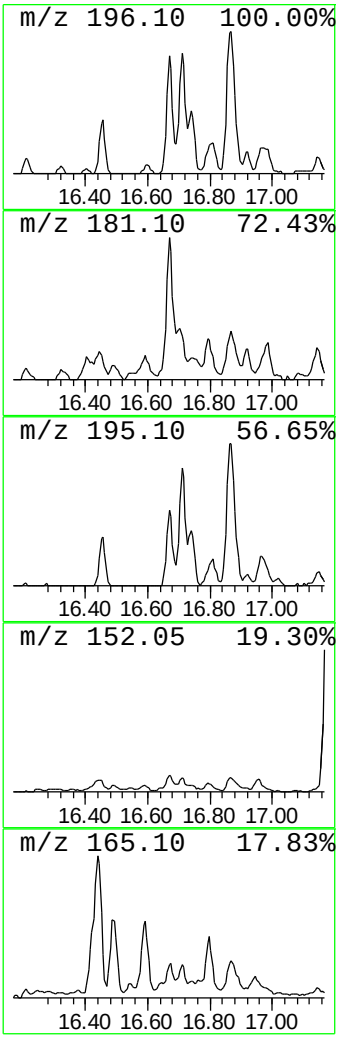
****

Peak Number 3 Phenol, 4-(2-phenylethenyl)- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.67	2.01 ng/ul	160851	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	53
2	Benzene, 1,1'-methylenebis[4-met...	196	C15H16	004957-14-6	50
3	Benzene, 1-methyl-3-[(4-methylph...	196	C15H16	021895-16-9	50
4	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	46
5	Methanone, diphenyl-, hydrazone	196	C13H12N2	005350-57-2	43





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111515\
Data File : BM003128.D
Acq On : 15 Nov 2015 12:35
Operator : UM/IZ
Sample : G4401-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC786

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM103015.M
Quant Title : SVOA CALIBRATION

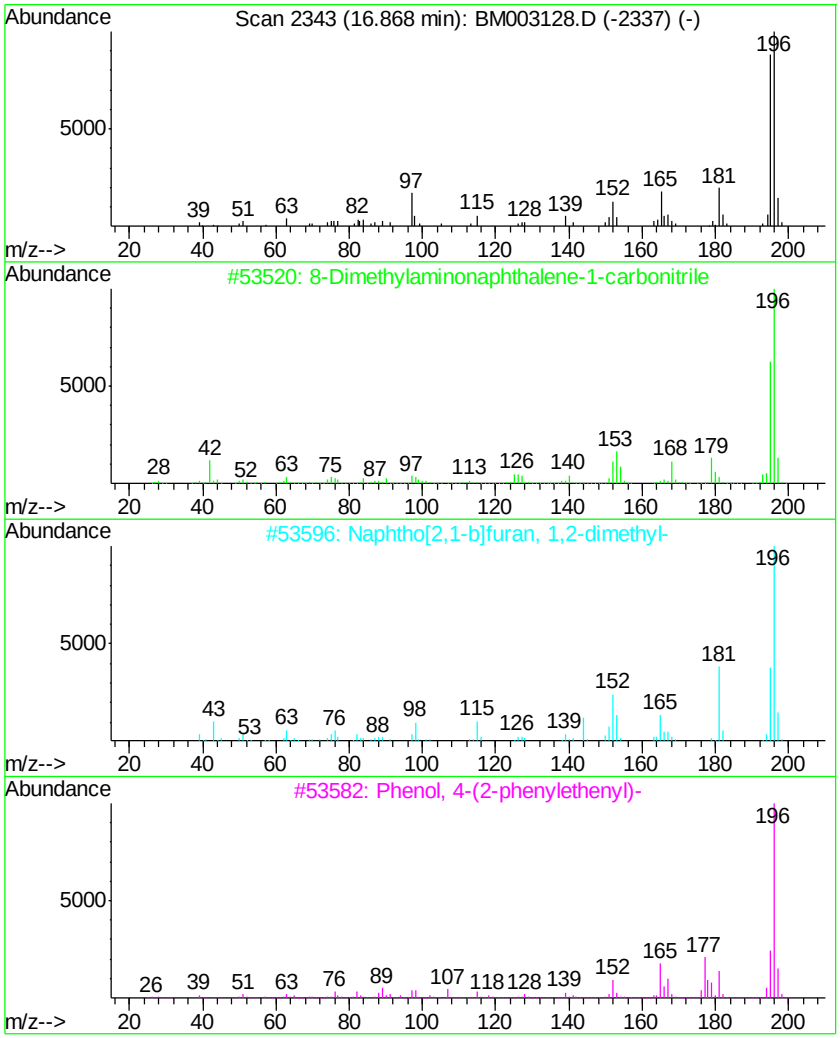
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

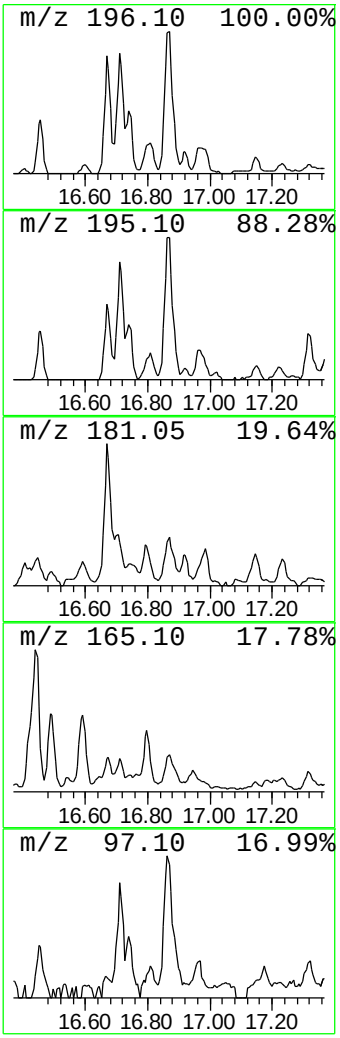
****

Peak Number 4 8-Dimethylaminonaphthalene-... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.87	2.06 ng/ul	164766	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	72
2	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	58
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	52
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	52
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	49





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111515\
Data File : BM003128.D
Acq On : 15 Nov 2015 12:35
Operator : UM/IZ
Sample : G4401-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC786

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM103015.M
Quant Title : SVOA CALIBRATION

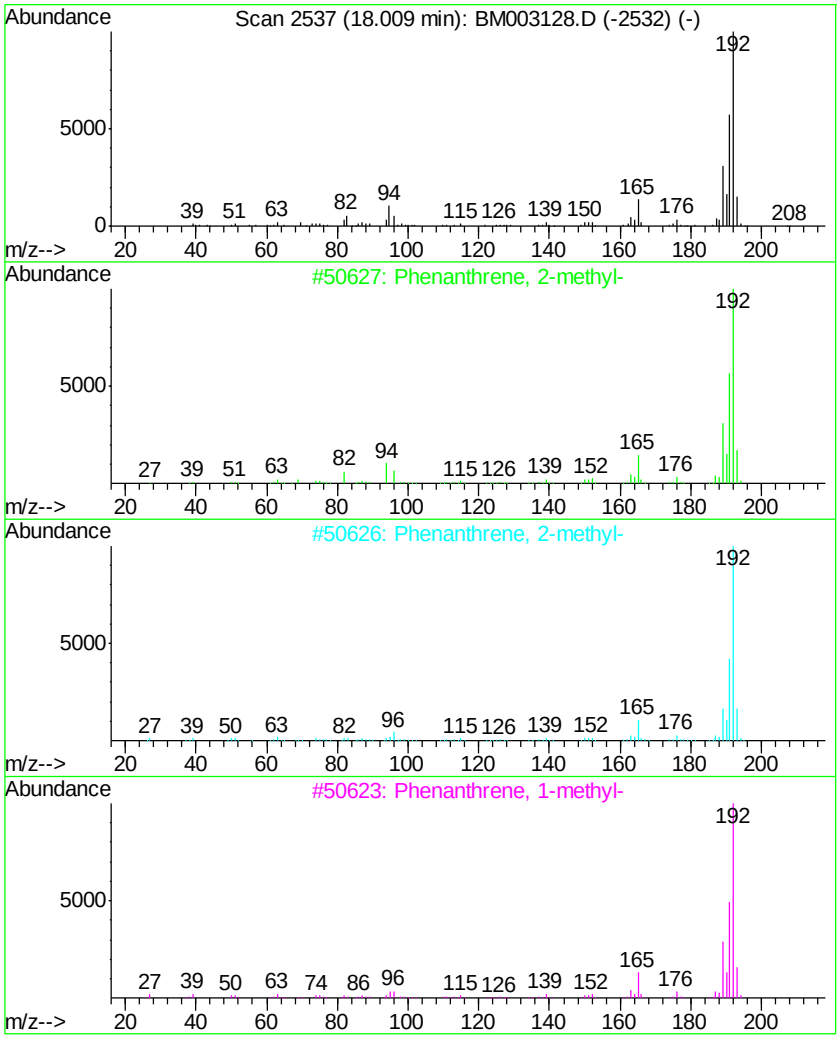
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

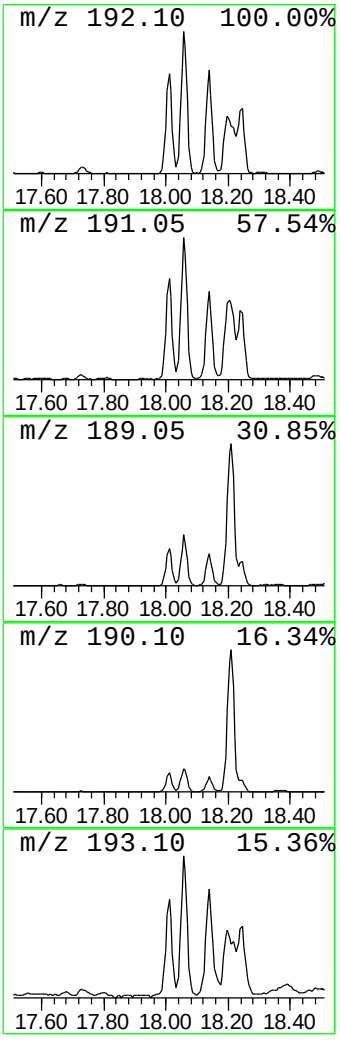
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	7.06 ng/ul	565308	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





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Acq On : 15 Nov 2015 12:35
Operator : UM/IZ
Sample : G4401-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC786

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM103015.M
Quant Title : SVOA CALIBRATION

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

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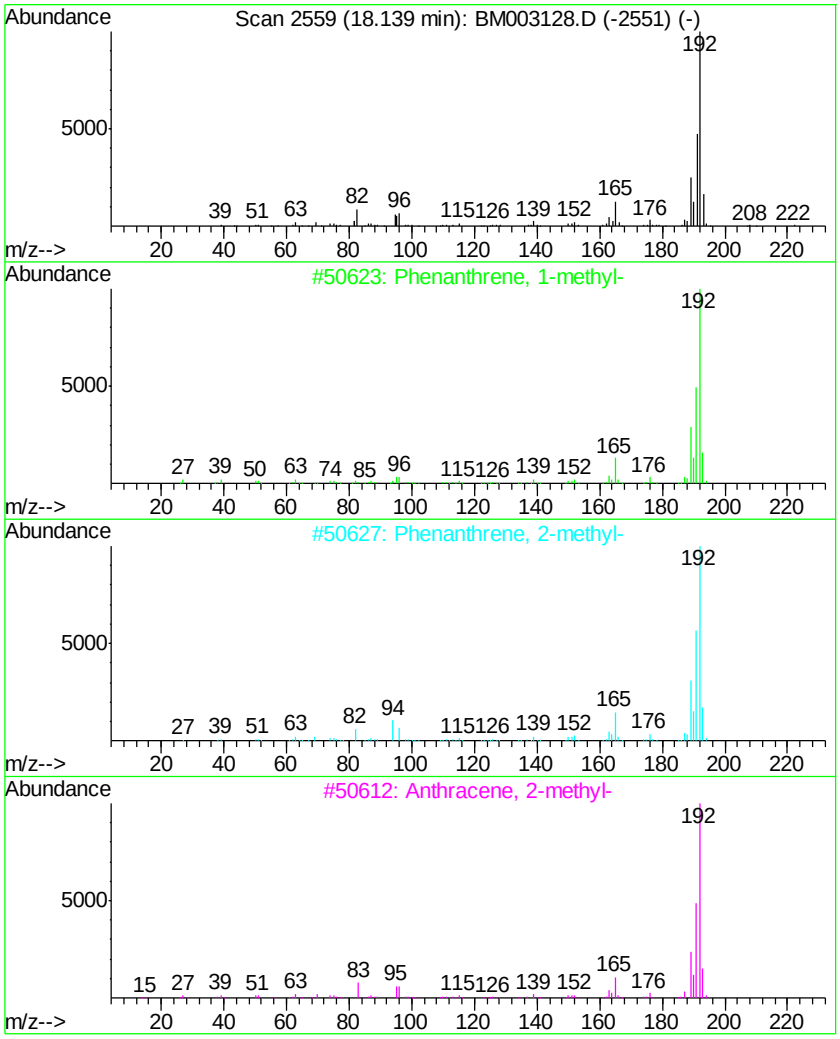
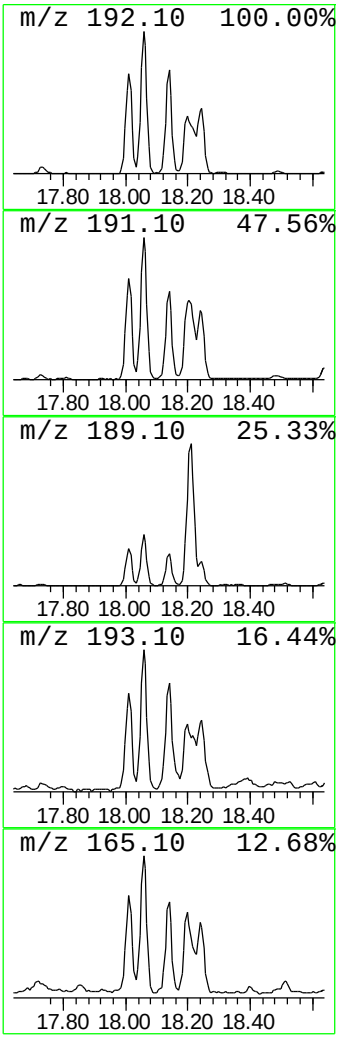
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	5.36 ng/ul	428780	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96





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Instrument : BNA_M
ClientSampleId : BC786

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Quant Title : SVOA CALIBRATION

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

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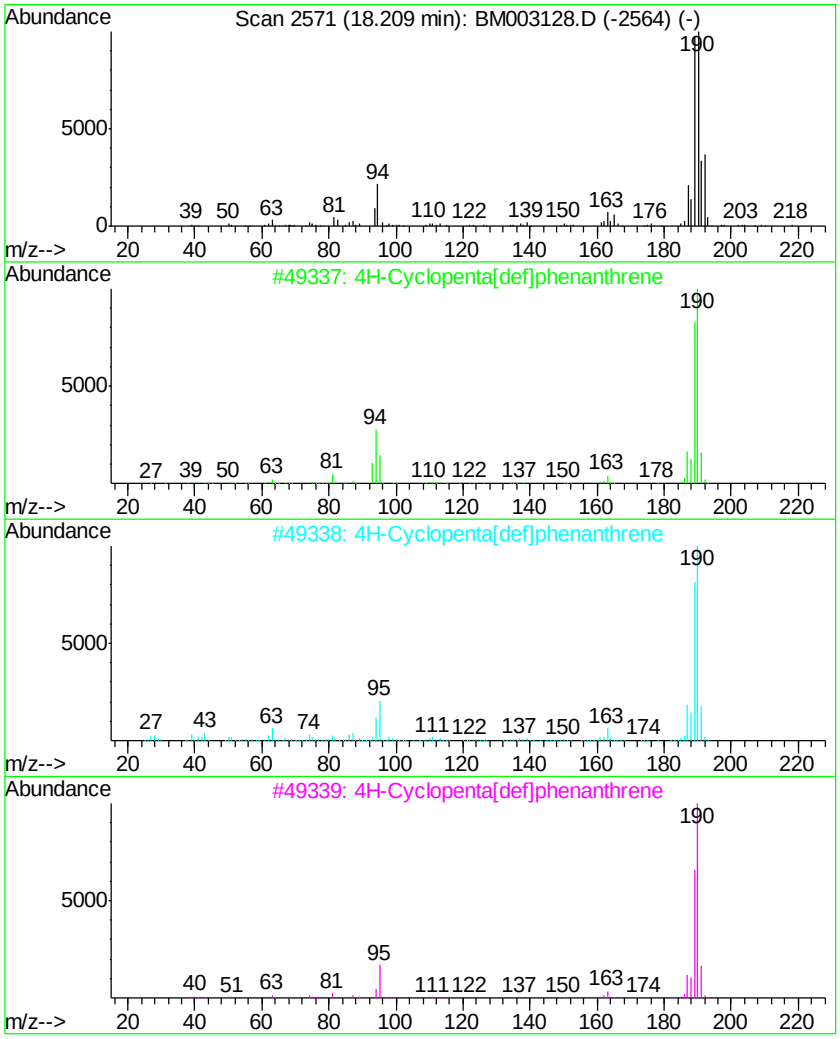
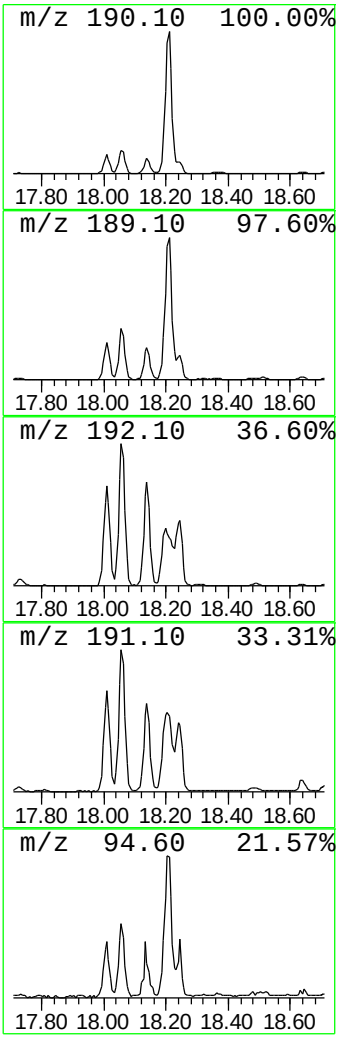
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.21	11.20 ng/ul	895956	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50





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Instrument : BNA_M
ClientSampleId : BC786

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Quant Title : SVOA CALIBRATION

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

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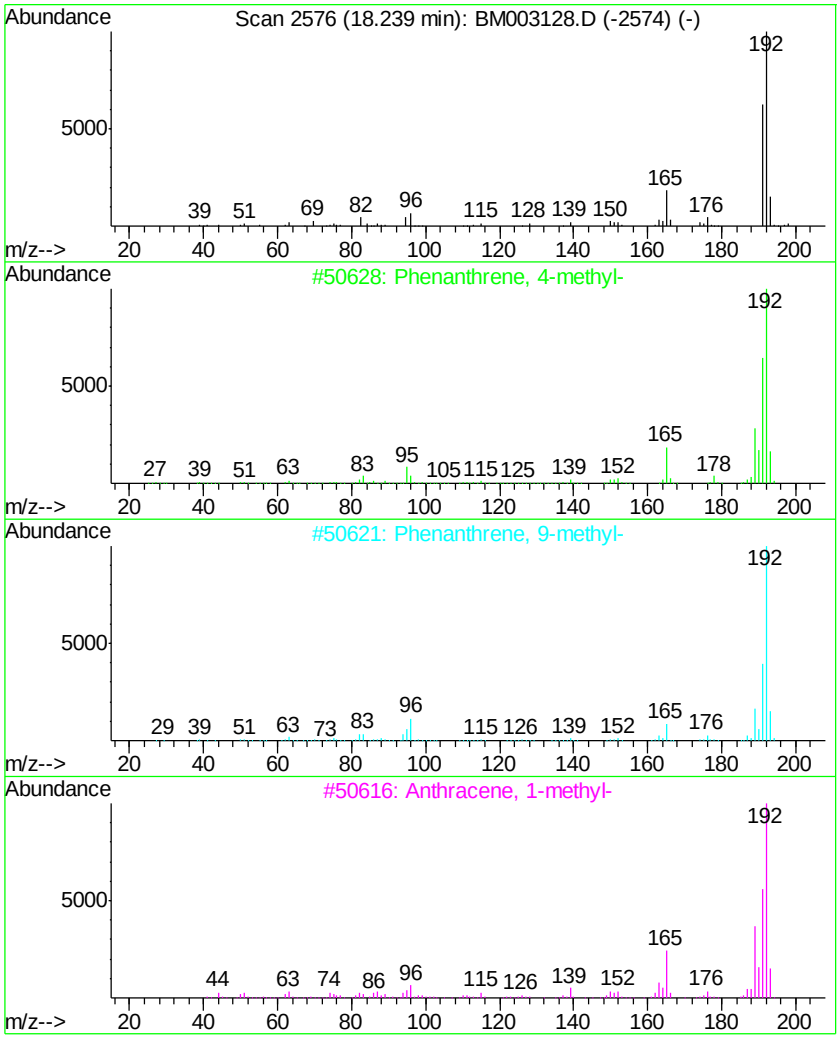
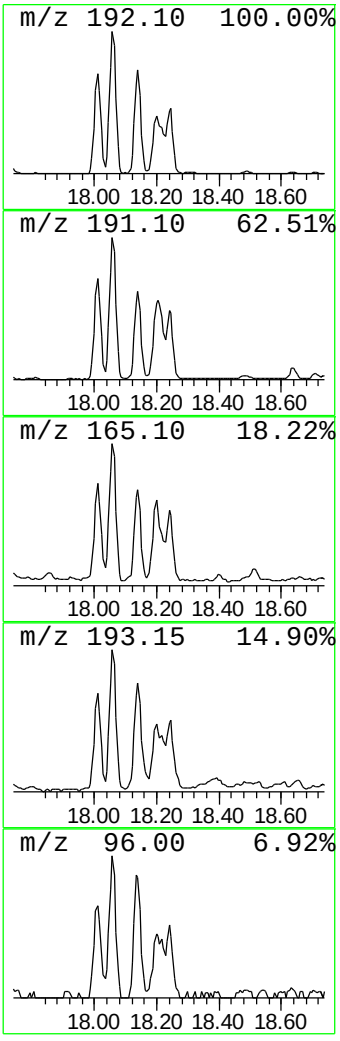
Peak Number 9 Phenanthrene, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	3.38 ng/ul	270671	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	87
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
5	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	86





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Sample : G4401-13
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ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC786

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM103015.M
Quant Title : SVOA CALIBRATION

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

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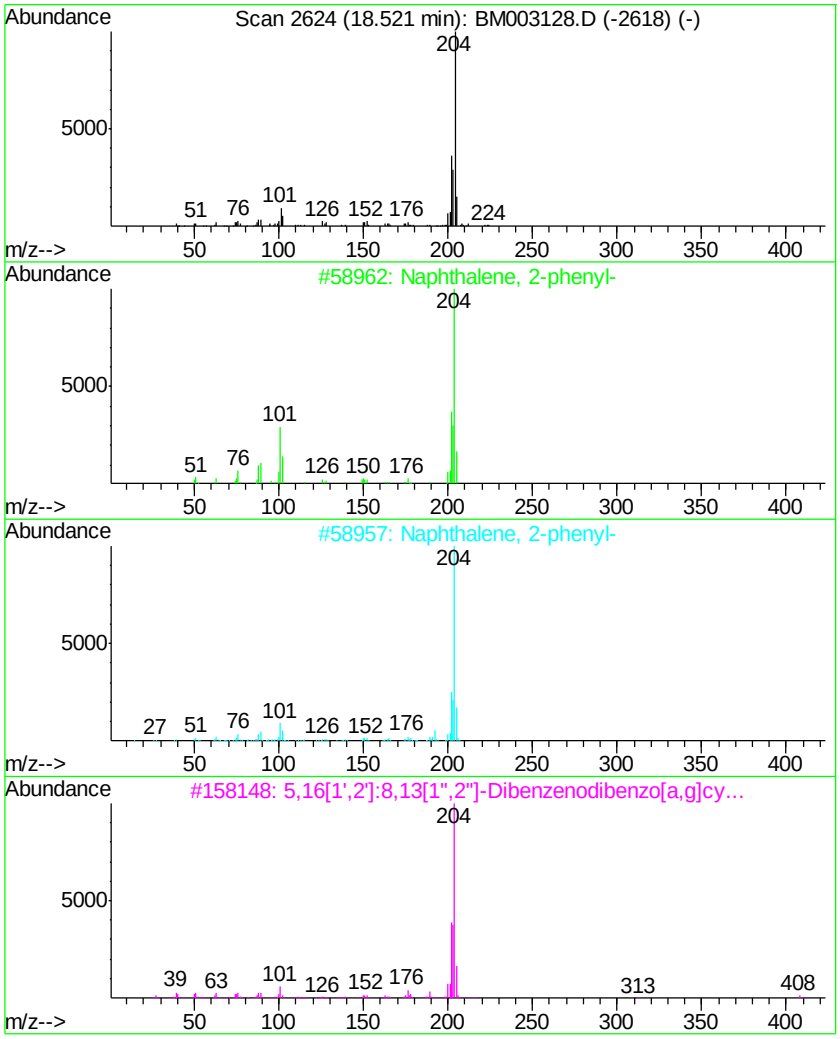
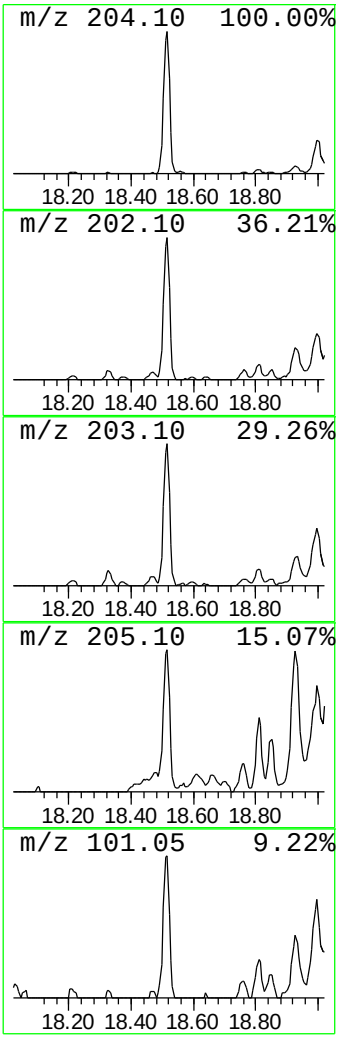
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	3.90 ng/ul	311950	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	87
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	80





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ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC786

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Quant Title : SVOA CALIBRATION

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

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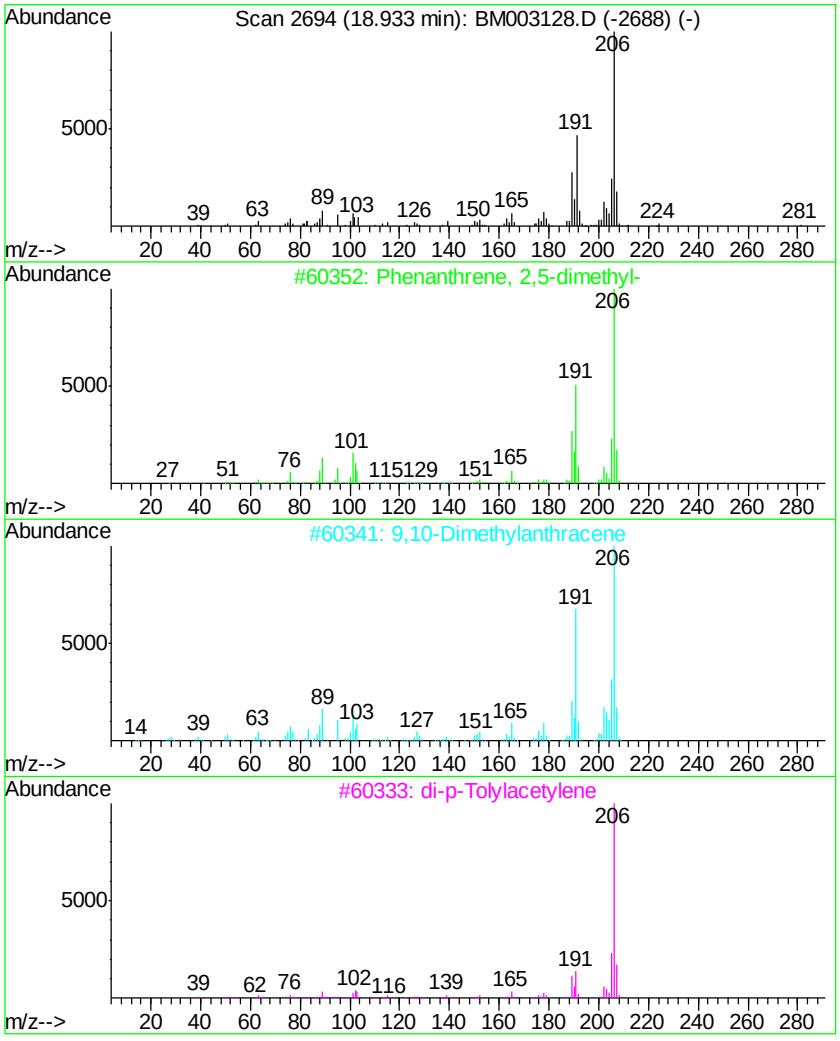
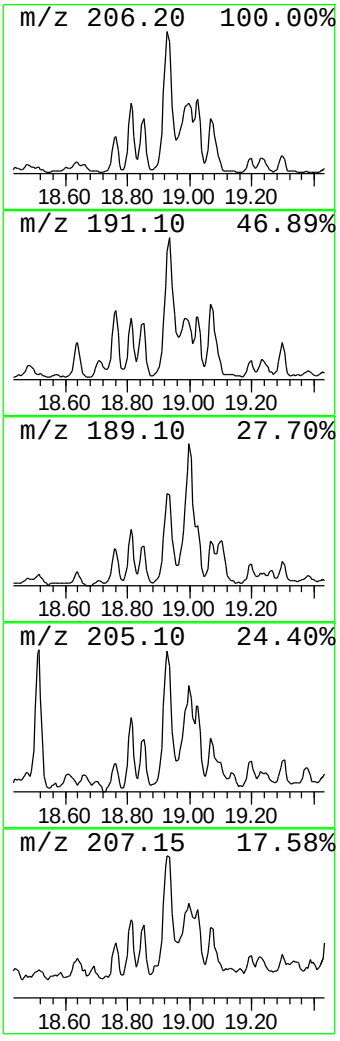
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	4.29 ng/ul	343263	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93





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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC786

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Quant Title : SVOA CALIBRATION

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

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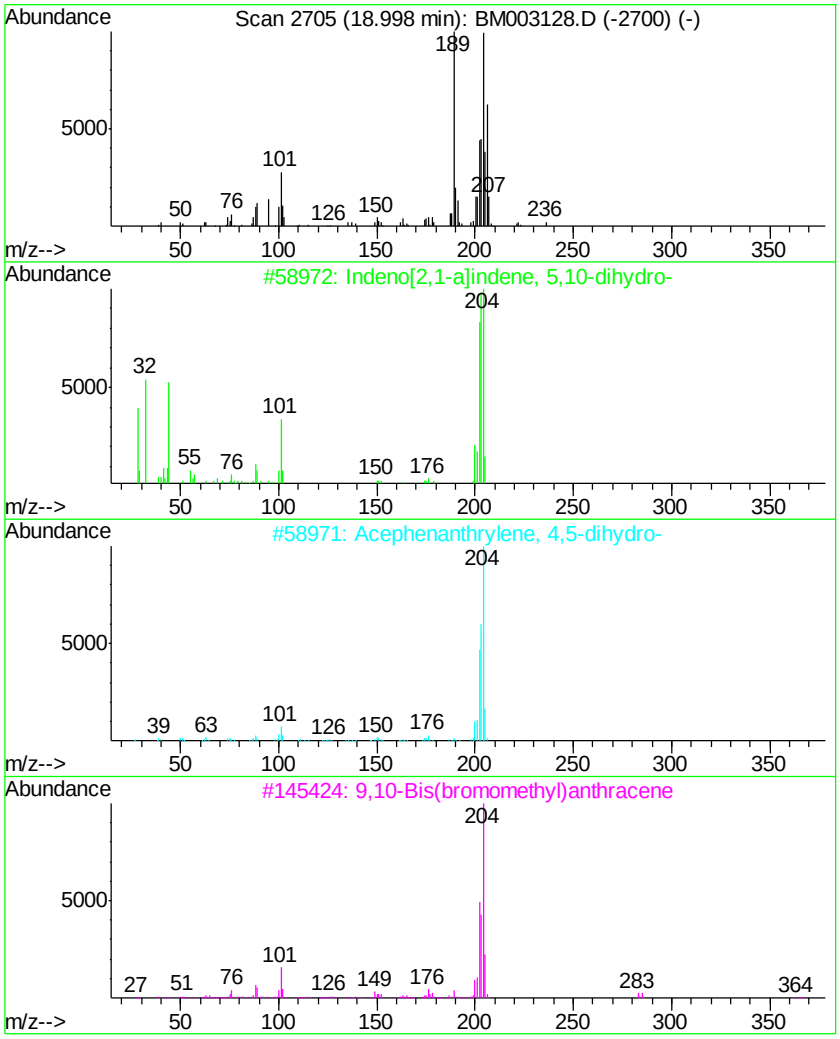
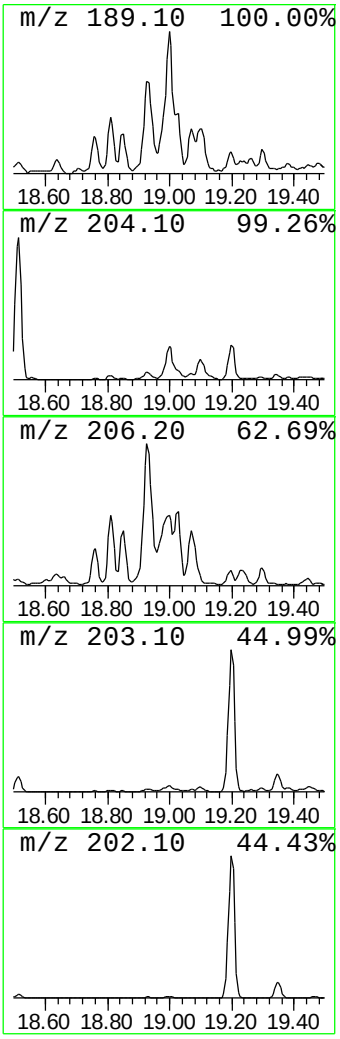
Peak Number 12 unknown-01 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.00	2.79 ng/ul	223022	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	48
2	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	46
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43
4	2-Phenylnaphthalene	204	C16H12	035465-71-5	41
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38





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Sample : G4401-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC786

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM103015.M
Quant Title : SVOA CALIBRATION

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

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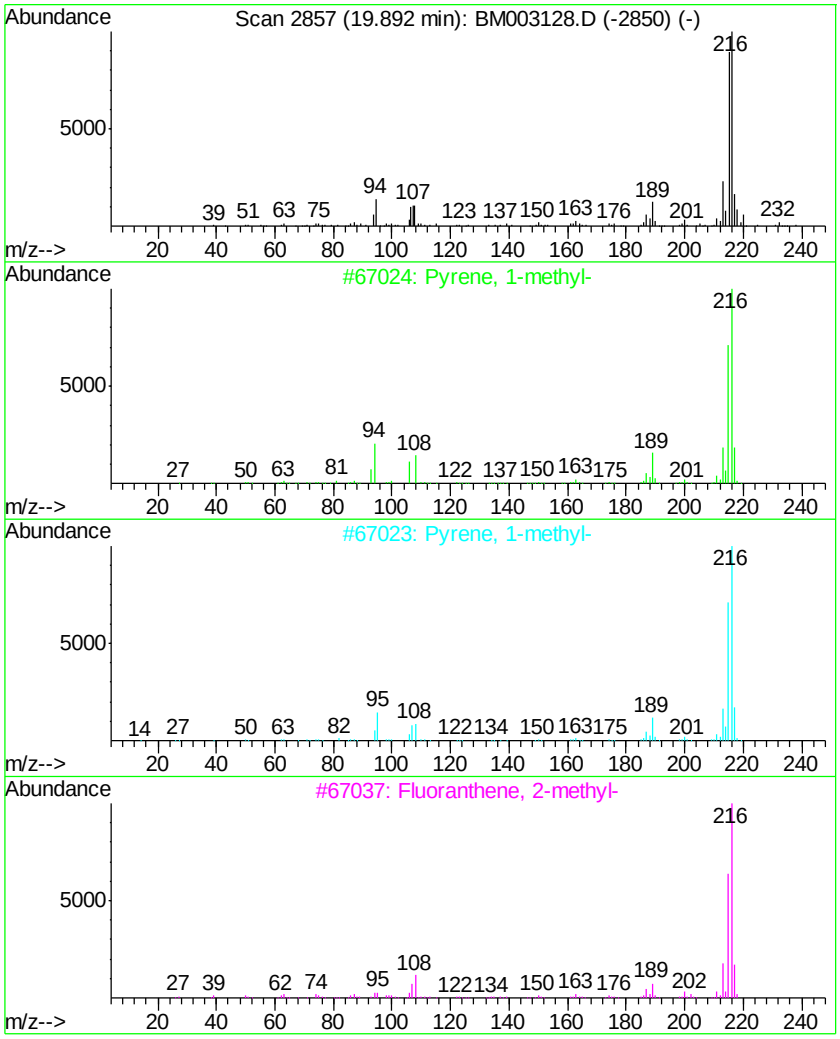
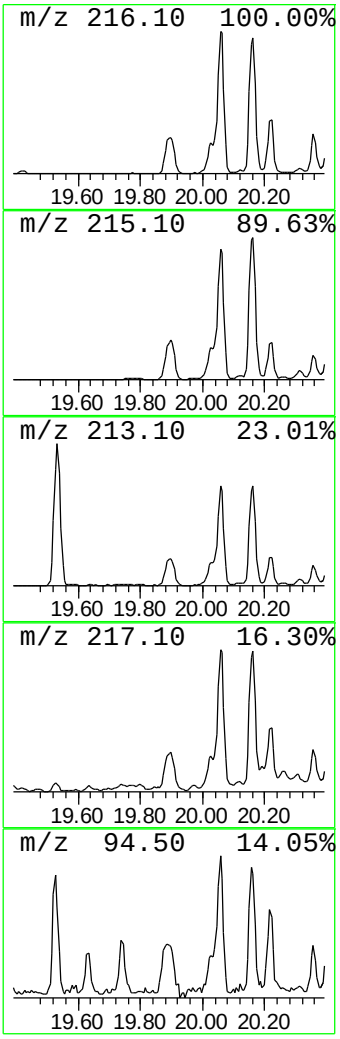
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.89	2.62 ng/ul	617000	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86





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Sample : G4401-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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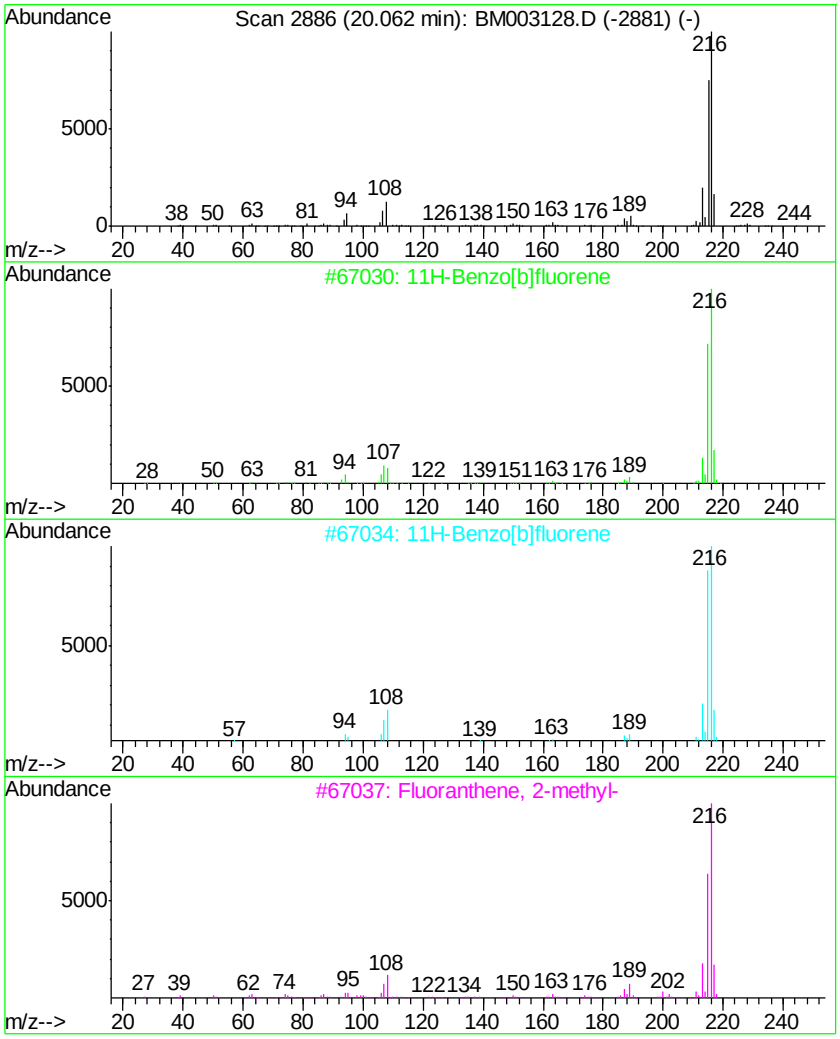
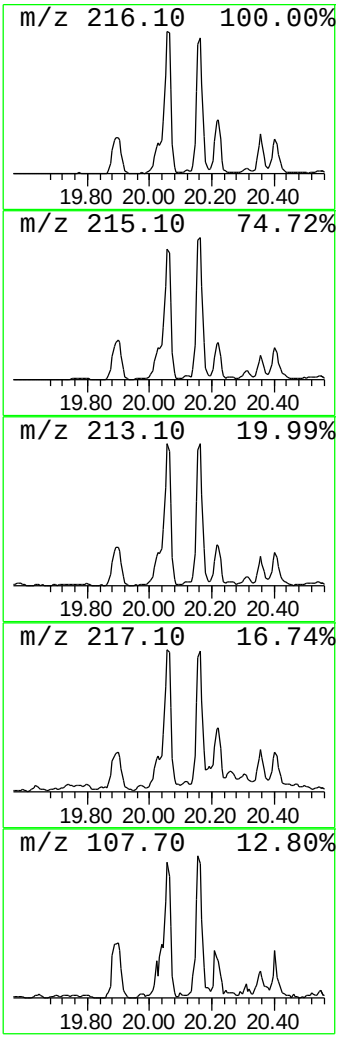
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.06	4.33 ng/ul	1020120	Chrysene-d12	21.33

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	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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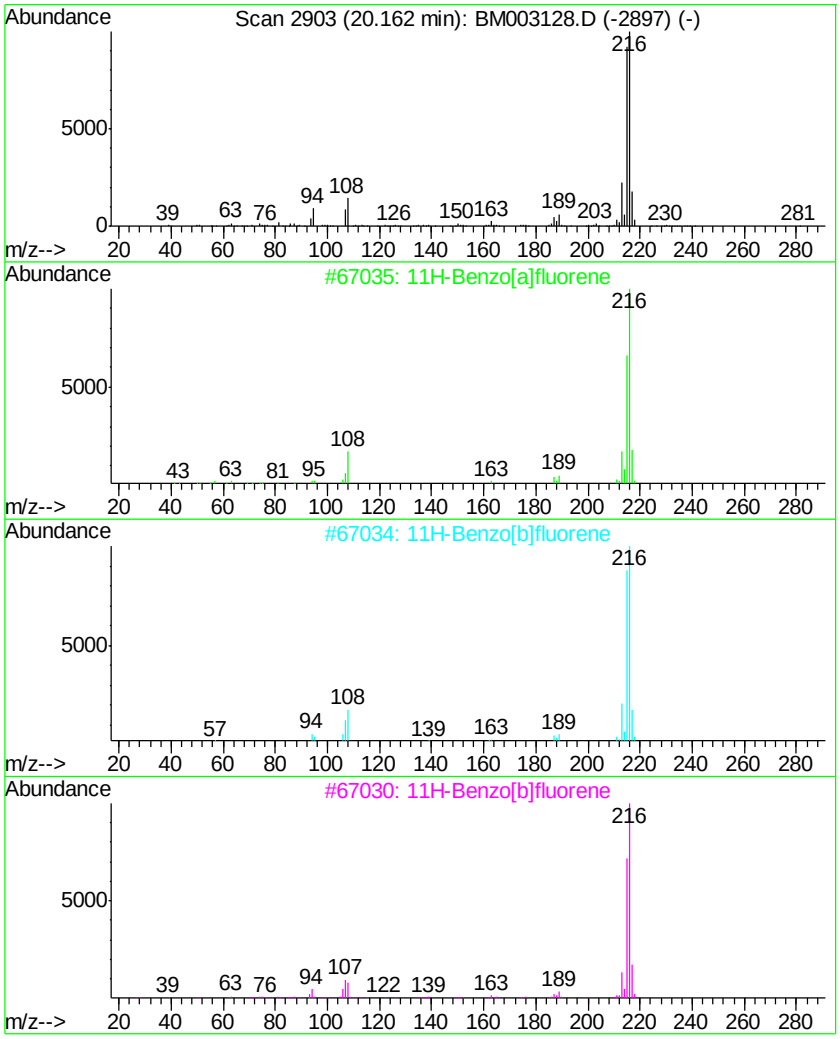
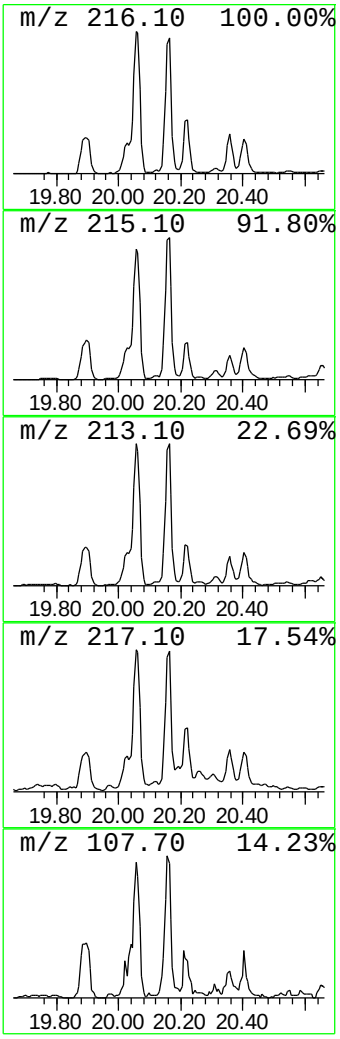
Peak Number 15 11H-Benzo[a]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.16	3.82 ng/ul	900740	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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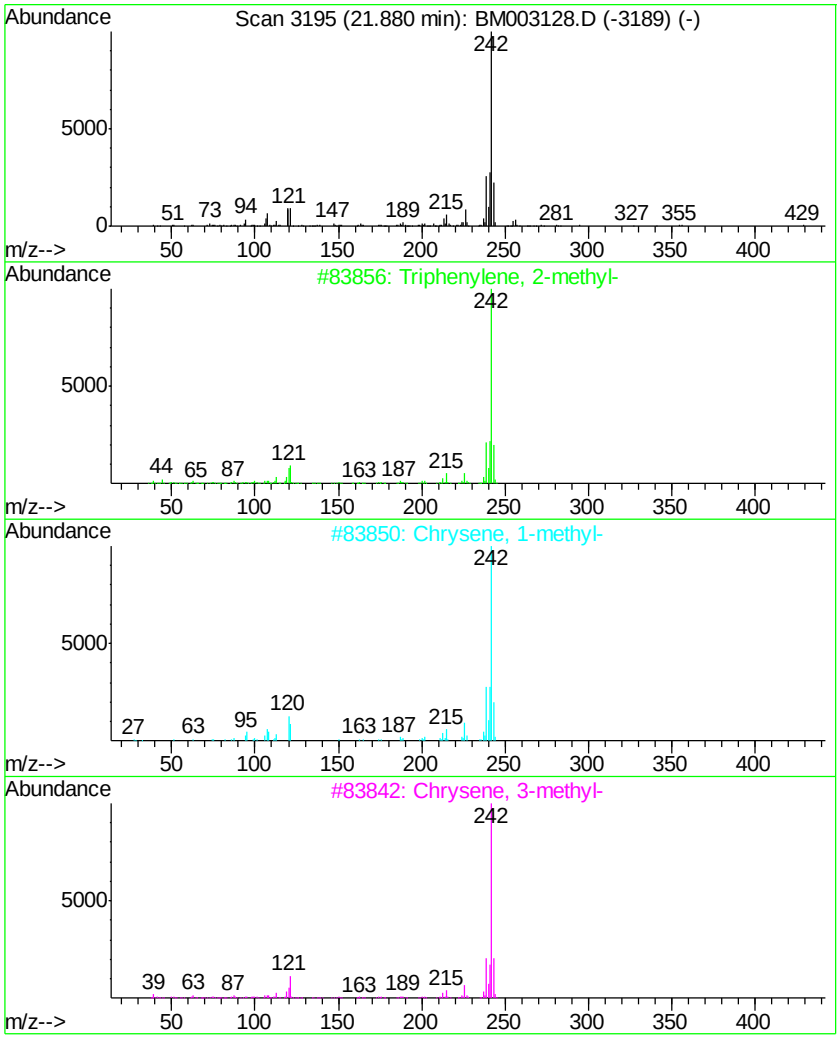
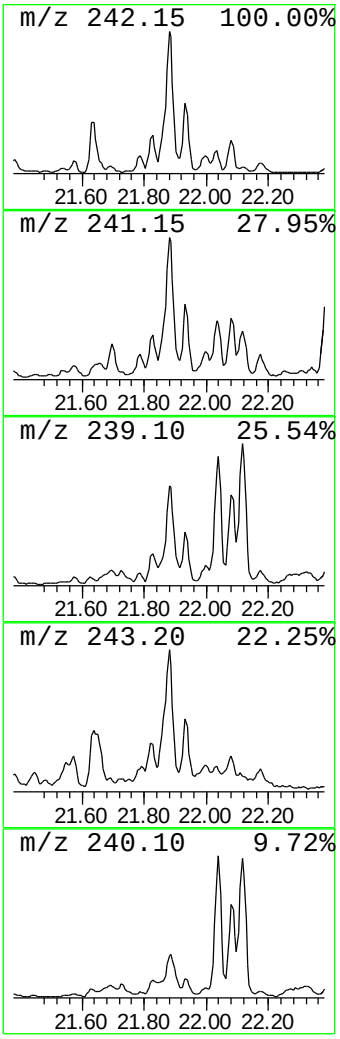
Peak Number 17 Triphenylene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.88	3.09 ng/ul	728954	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	98
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	98
3	Chrysene, 3-methyl-	242	C19H14	003351-31-3	96
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	95
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94





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Instrument : BNA_M
ClientSampleId : BC786

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Quant Title : SVOA CALIBRATION

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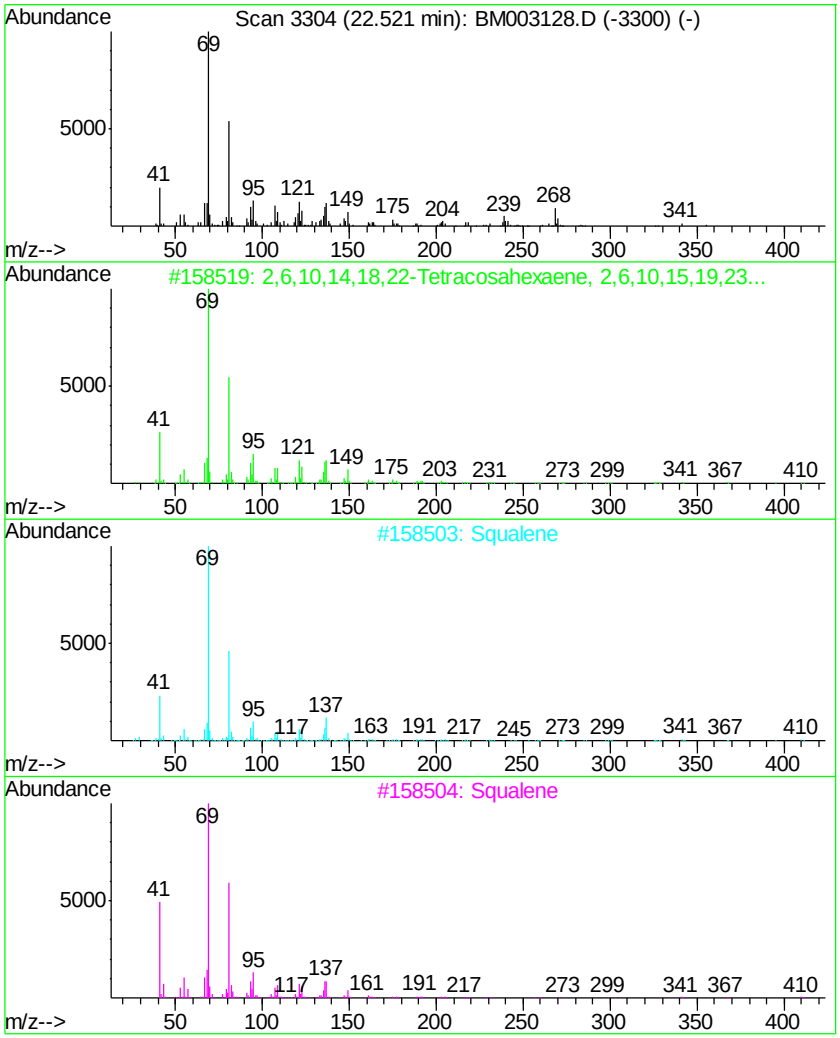
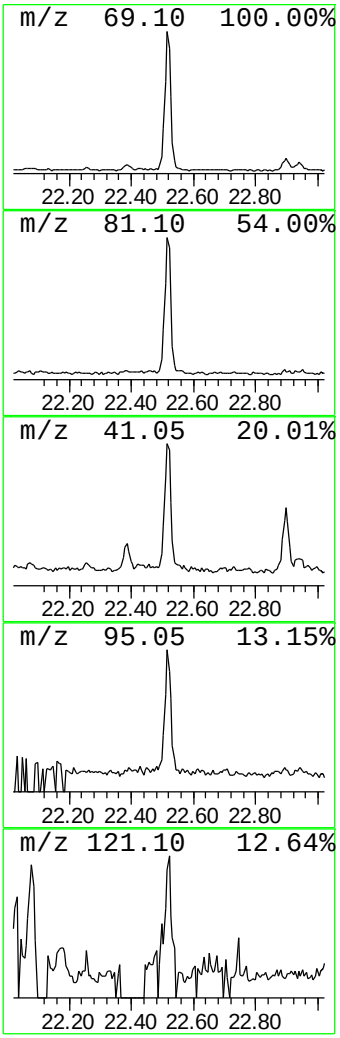
Peak Number 18 2,6,10,14,18,22-Tetracosahe... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.52	3.08 ng/ul	273761	Perylene-d12	23.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	87
2	Squalene	410	C30H50	007683-64-9	74
3	Squalene	410	C30H50	007683-64-9	72
4	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	72
5	Docosa-2,6,10,14,18-pentaen-22-a...	384	C27H44O	1000163-04-7	72





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Sample : G4401-13
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ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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TIC Integration Parameters: LSCINT.P

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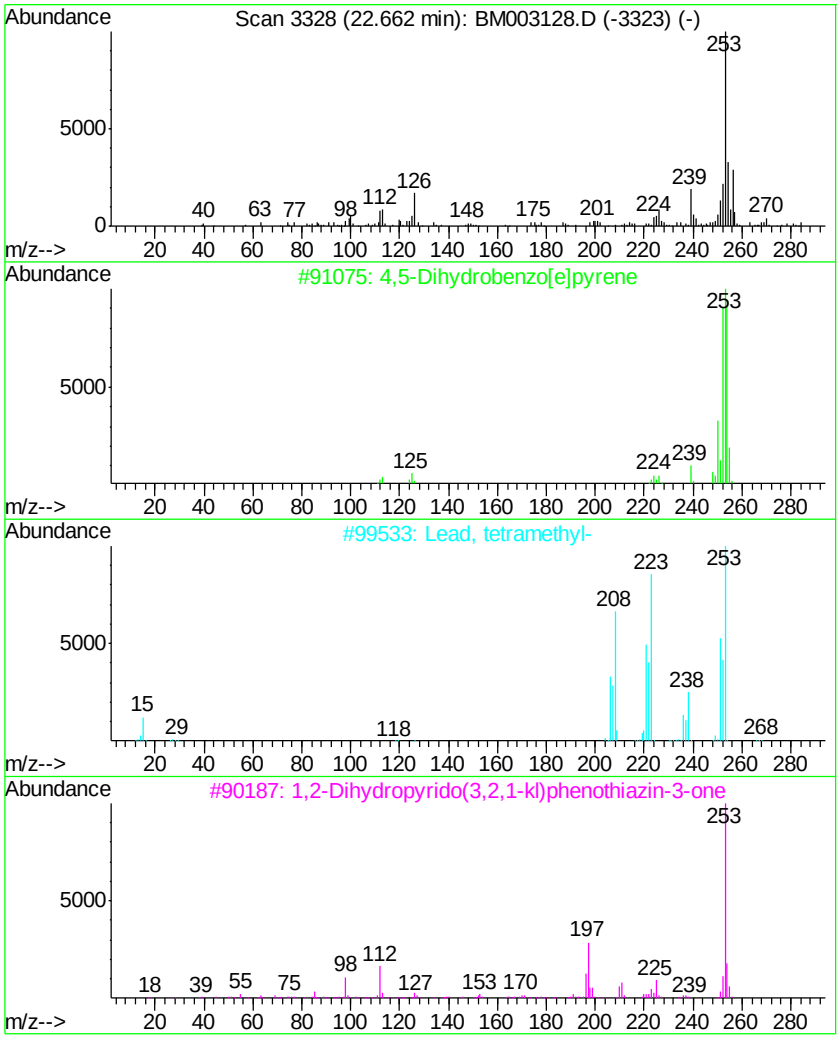
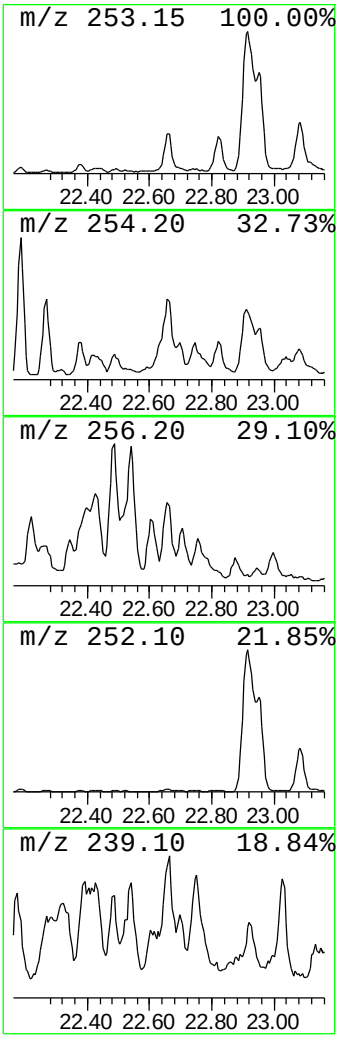
Peak Number 19 unknown-02 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.66	2.35 ng/ul	209340	Perylene-d12	23.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	38
2	Lead, tetramethyl-	268	C4H12Pb	000075-74-1	38
3	1,2-Dihydropyrido(3,2,1-kl)pheno...	253	C15H11NOS	069513-42-4	37
4	7,12-DIHYDROBENZO[K]FLUORANTHENE	254	C20H14	1000080-17-7	35
5	10-Oxo-5,5-dimethyl-5-sila-5,10-...	254	C14H14N2OSi	089052-45-9	35





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Data File : BM003128.D
Acq On : 15 Nov 2015 12:35
Operator : UM/IZ
Sample : G4401-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC786

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM103015.M
Quant Title : SVOA CALIBRATION

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

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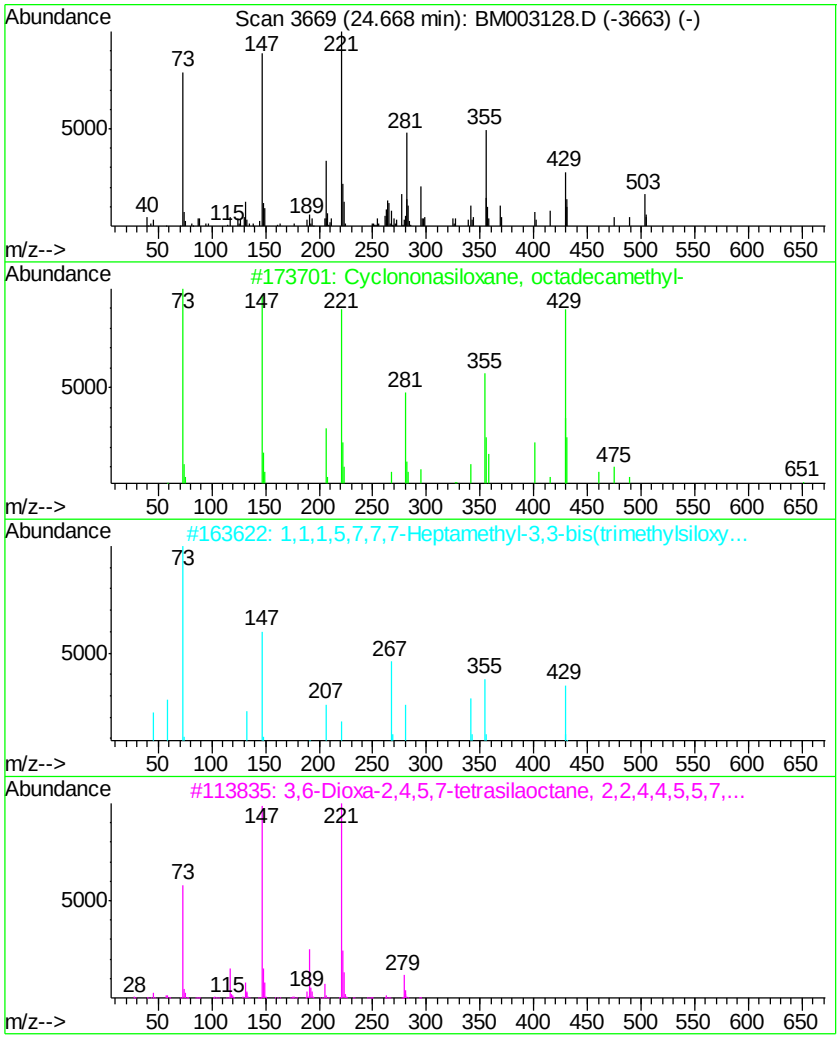
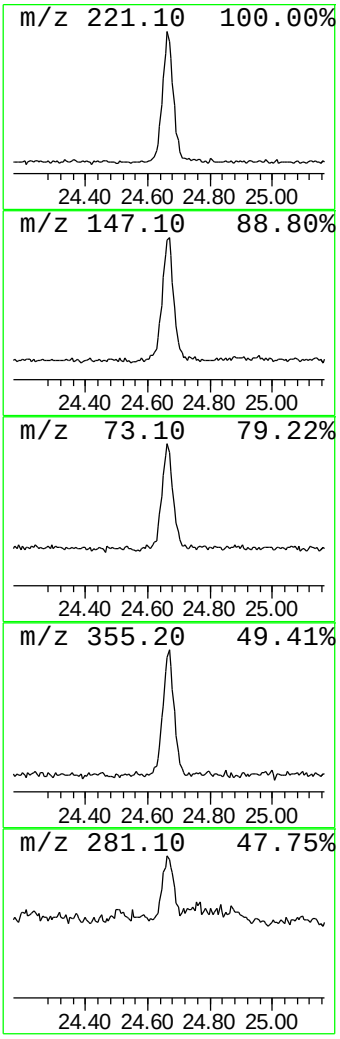
Peak Number 21 Cyclononasiloxane, octadeca... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.67	2.84 ng/ul	252810	Perylene-d12	23.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclononasiloxane, octadecamethyl-	666	C18H54O9Si9	000556-71-8	50
2	1,1,1,5,7,7,7-Heptamethyl-3,3-bi...	444	C13H40O5Si6	038147-00-1	40
3	3,6-Dioxa-2,4,5,7-tetrasilaoctan...	294	C10H30O2Si4	004342-25-0	37
4	Trisiloxane, 1,1,1,5,5,5-hexamet...	384	C12H36O4Si5	003555-47-3	16
5	N-Benzyl-N-ethyl-p-isopropylbenz...	281	C19H23NO	015089-22-2	16





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111515\
Data File : BM003128.D
Acq On : 15 Nov 2015 12:35
Operator : UM/IZ
Sample : G4401-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC786

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM103015.M
Quant Title : SVOA CALIBRATION

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

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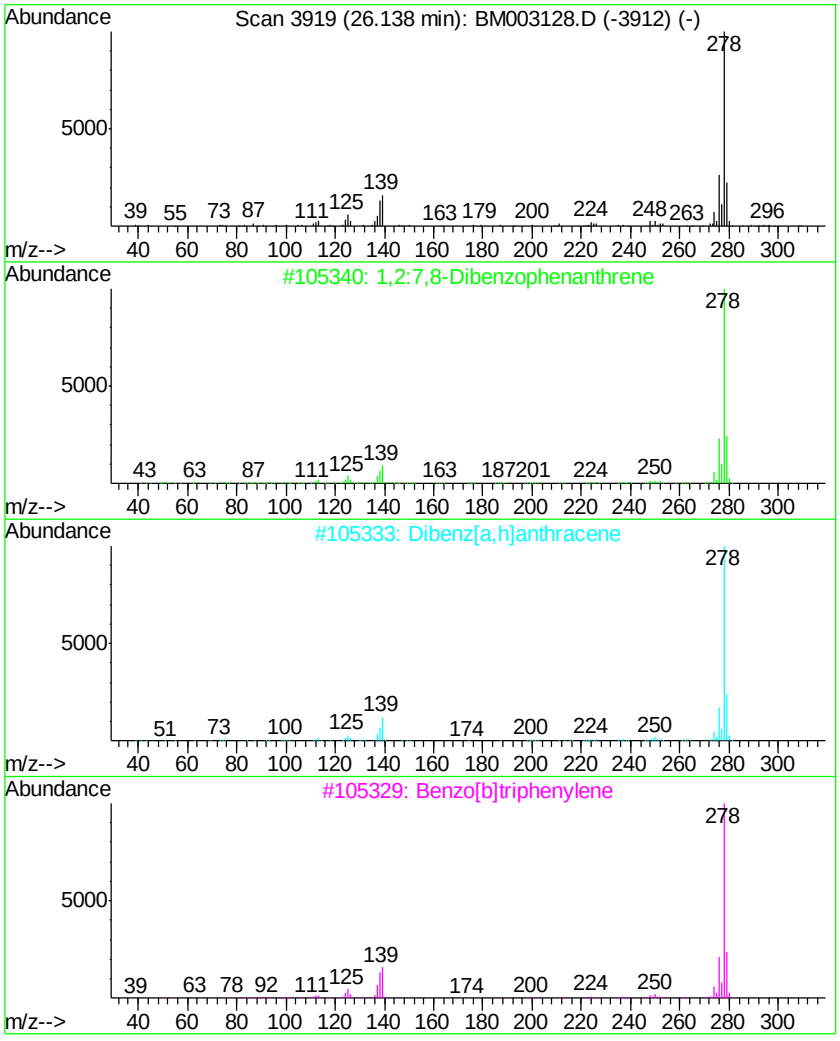
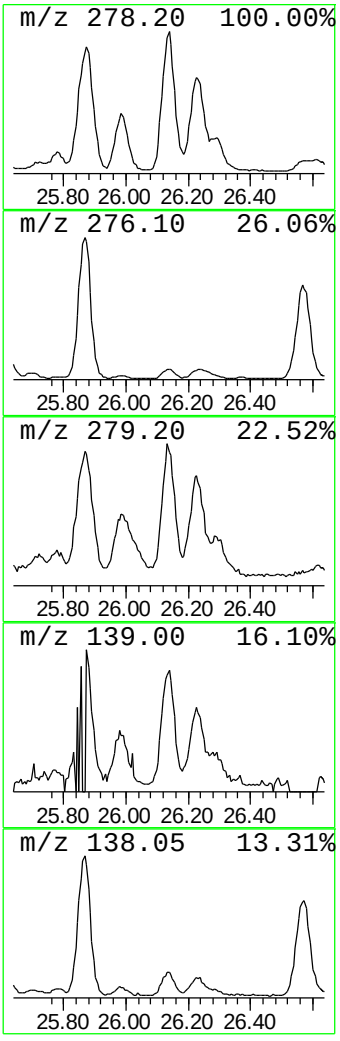
Peak Number 22 1,2:7,8-Dibenzophenanthrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.14	2.63 ng/ul	233561	Perylene-d12	23.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	97
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	97
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	97
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
5	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	96





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111515\
Data File : BM003128.D
Acq On : 15 Nov 2015 12:35
Operator : UM/IZ
Sample : G4401-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC786

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM103015.M
Quant Title : SVOA CALIBRATION

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

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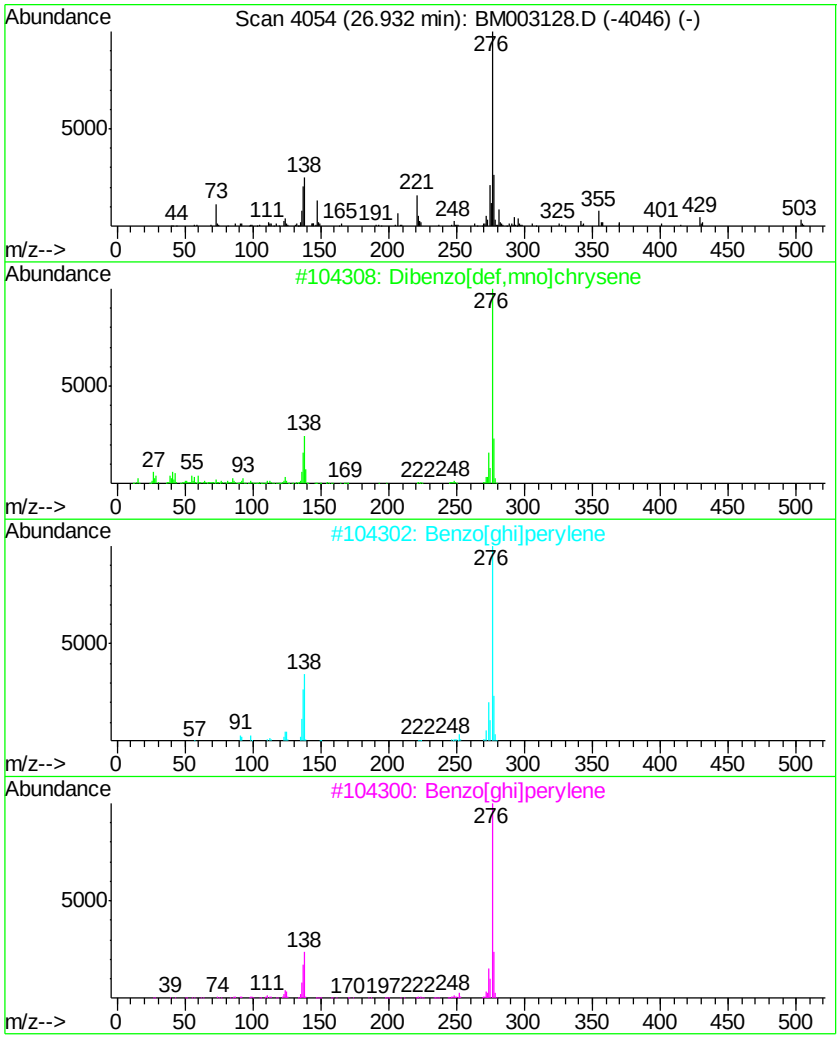
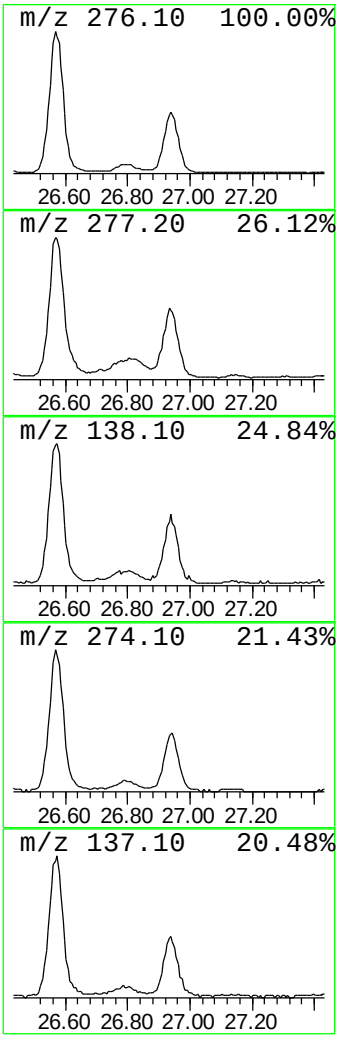
Peak Number 23 Dibenzo[def,mno]chrysene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.93	7.73 ng/ul	687916	Perylene-d12	23.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	95
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	94
3	Benzo[ghi]perylene	276	C22H12	000191-24-2	94
4	Benzo[ghi]perylene	276	C22H12	000191-24-2	93
5	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111515\
Data File : BM003128.D
Acq On : 15 Nov 2015 12:35
Operator : UM/IZ
Sample : G4401-13
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC786

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM103015.M
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
9H-Fluoren-9-ol	15.88	2.0	ng/ul	162351	4	17.13	1600610	20.0
9H-Fluorene, 2-me...	16.44	2.3	ng/ul	180888	4	17.13	1600610	20.0
Phenol, 4-(2-phen...	16.67	2.0	ng/ul	160851	4	17.13	1600610	20.0
8-Dimethylaminona...	16.87	2.1	ng/ul	164766	4	17.13	1600610	20.0
Phenanthrene, 2-m...	18.01	7.1	ng/ul	565308	4	17.13	1600610	20.0
Phenanthrene, 1-m...	18.14	5.4	ng/ul	428780	4	17.13	1600610	20.0
4H-Cyclopenta[def...	18.21	11.2	ng/ul	895956	4	17.13	1600610	20.0
Phenanthrene, 4-m...	18.24	3.4	ng/ul	270671	4	17.13	1600610	20.0
Naphthalene, 2-ph...	18.52	3.9	ng/ul	311950	4	17.13	1600610	20.0
Phenanthrene, 2,5...	18.93	4.3	ng/ul	343263	4	17.13	1600610	20.0
unknown-01	19.00	2.8	ng/ul	223022	4	17.13	1600610	20.0
Pyrene, 1-methyl-	19.89	2.6	ng/ul	617000	5	21.33	4713550	20.0
11H-Benzo[b]fluorene	20.06	4.3	ng/ul	1020120	5	21.33	4713550	20.0
11H-Benzo[a]fluorene	20.16	3.8	ng/ul	900740	5	21.33	4713550	20.0
Triphenylene, 2-m...	21.88	3.1	ng/ul	728954	5	21.33	4713550	20.0
2,6,10,14,18,22-T...	22.52	3.1	ng/ul	273761	6	23.59	1778770	20.0
unknown-02	22.66	2.4	ng/ul	209340	6	23.59	1778770	20.0
Cyclononasiloxane...	24.67	2.8	ng/ul	252810	6	23.59	1778770	20.0
1,2:7,8-Dibenzoph...	26.14	2.6	ng/ul	233561	6	23.59	1778770	20.0
Dibenzo[def,mno]c...	26.93	7.7	ng/ul	687916	6	23.59	1778770	20.0