LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM011316\
Data File : BM003983.D
Acq On : 13 Jan 2016 09:38
Operator : SJ/UM
Sample : H1095-13
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC975

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-BM010116.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	6.840	633	638	647	rVB	96931	152113	11.02%	0.608%
2	6.998	660	665	677	rVB	87909	133667	9.68%	0.534%
3	7.198	693	699	709	rVB	110623	168317	12.19%	0.673%
4	7.663	772	778	786	rVB	148309	227169	16.46%	0.908%
5	8.375	893	899	911	rBB	107459	171565	12.43%	0.686%
6	8.822	969	975	985	rBB	100850	160216	11.61%	0.640%
7	9.545	1092	1098	1105	rBB	79387	126883	9.19%	0.507%
8	10.081	1181	1189	1198	rBV	133189	214976	15.57%	0.859%
9	10.451	1245	1252	1258	rBV	235975	390480	28.29%	1.561%
10	10.598	1271	1277	1289	rBV	71548	126305	9.15%	0.505%
11	13.733	1805	1810	1814	rVV	257303	353230	25.59%	1.412%
12	13.780	1814	1818	1824	rVB	92648	126161	9.14%	0.504%
13	14.010	1851	1857	1875	rBV	293346	498471	36.11%	1.993%
14	14.322	1903	1910	1917	rBV2	358256	538726	39.03%	2.154%
15	14.545	1942	1948	1958	rBV	44866	77488	5.61%	0.310%
16	15.316	2074	2079	2085	rVV	387641	564674	40.91%	2.257%
17	15.451	2098	2102	2107	rBV	68911	98564	7.14%	0.394%
18	16.045	2197	2203	2210	rBV3	46396	94876	6.87%	0.379%
19	16.380	2251	2260	2264	rBV4	22567	58312	4.22%	0.233%
20	16.892	2342	2347	2357	rVB2	32449	55660	4.03%	0.223%
21	17.074	2372	2378	2381	rBV	428264	600715	43.52%	2.401%
22	17.115	2381	2385	2390	rVV	477709	647663	46.92%	2.589%
23	17.168	2390	2394	2398	rVV2	393887	555179	40.22%	2.219%
24	17.204	2398	2400	2406	rVB	114020	135605	9.82%	0.542%
25	17.480	2443	2447	2452	rBV	49341	70566	5.11%	0.282%
26	17.651	2470	2476	2485	rVB2	42557	69912	5.06%	0.279%
27	17.951	2521	2527	2531	rBV	141983	214921	15.57%	0.859%
28	17.998	2531	2535	2540	rVB	187769	263361	19.08%	1.053%
29	18.080	2544	2549	2554	rBV	39140	62191	4.51%	0.249%
30	18.139	2554	2559	2563	rVV2	200283	364317	26.39%	1.456%
31	18.180	2563	2566	2575	rVB	124661	171293	12.41%	0.685%
32	18.451	2608	2612	2616	rBV2	78437	113960	8.26%	0.456%
33	18.498	2616	2620	2630	rVB2	121815	188320	13.64%	0.753%
34	18.704	2651	2655	2659	rVV	57691	92912	6.73%	0.371%

LSC Area Percent Report

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Acq On : 13 Jan 2016 09:38
Operator : SJ/UM
Sample : H1095-13
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC975

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-BM010116.M
Title : SVOA CALIBRATION

35	18.751	2659	2663	2667	rVV	72973	106360	7.71%	0.425%
36	18.792	2667	2670	2674	rVB	52582	67497	4.89%	0.270%
37	18.874	2679	2684	2689	rBV	175524	306625	22.21%	1.226%
38	18.933	2690	2694	2698	rVV2	76779	150444	10.90%	0.601%
39	18.968	2698	2700	2703	rVB	53684	55075	3.99%	0.220%
40	19.015	2703	2708	2715	rBV3	90942	191291	13.86%	0.765%
41	19.145	2724	2730	2736	rVB	925878	1278282	92.61%	5.110%
42	19.209	2736	2741	2743	rBV	45371	66501	4.82%	0.266%
43	19.239	2743	2746	2751	rVB2	50051	64966	4.71%	0.260%
44	19.345	2759	2764	2767	rBV3	37375	59155	4.29%	0.236%
45	19.386	2767	2771	2774	rVV2	48233	63671	4.61%	0.255%
46	19.480	2781	2787	2789	rBV2	523119	800499	57.99%	3.200%
47	19.509	2789	2792	2800	rVB	1008595	1363757	98.80%	5.452%
48	19.586	2800	2805	2809	rBV2	92238	146532	10.62%	0.586%
49	19.680	2817	2821	2829	rVV2	28734	60187	4.36%	0.241%
50	19.745	2829	2832	2838	rVB3	67755	107595	7.79%	0.430%
51	19.833	2841	2847	2858	rBV5	117794	334356	24.22%	1.337%
52	19.974	2866	2871	2873	rBV3	95045	164361	11.91%	0.657%
53	20.003	2873	2876	2882	rVB	233026	318861	23.10%	1.275%
54	20.109	2890	2894	2897	rBV	115061	146614	10.62%	0.586%
55	20.168	2899	2904	2908	rVV2	163292	225462	16.33%	0.901%
56	20.303	2924	2927	2931	rVB2	112049	139456	10.10%	0.557%
57	20.351	2931	2935	2939	rVB	129031	169738	12.30%	0.679%
58	20.574	2968	2973	2975	rBV	119699	168565	12.21%	0.674%
59	20.603	2975	2978	2981	rVB2	48332	51086	3.70%	0.204%
60	20.721	2994	2998	3000	rVV2	36111	53096	3.85%	0.212%
61	20.756	3000	3004	3011	rVB	119006	212126	15.37%	0.848%
62	20.851	3017	3020	3024	rVB	45763	54597	3.96%	0.218%
63	20.927	3025	3033	3036	rBV3	128662	265033	19.20%	1.059%
64	20.962	3036	3039	3042	rVV	91780	116367	8.43%	0.465%
65	21.003	3042	3046	3051	rVV2	92872	181867	13.18%	0.727%
66	21.056	3051	3055	3062	rVB2	83765	154667	11.21%	0.618%
67	21.168	3066	3074	3082	rBV3	45487	126064	9.13%	0.504%
68	21.274	3083	3092	3096	rBV3	628746	1380314	100.00%	5.518%
69	21.315	3096	3099	3109	rVB	533098	798408	57.84%	3.192%
70	21.398	3109	3113	3116	rBV2	46868	57852	4.19%	0.231%
71	21.439	3116	3120	3125	rBV	81706	132955	9.63%	0.532%

LSC Area Percent Report

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Acq On : 13 Jan 2016 09:38
Operator : SJ/UM
Sample : H1095-13
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC975

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-BM010116.M
Title : SVOA CALIBRATION

72	21.498	3126	3130	3136	rBV7	31837	72365	5.24%	0.289%
73	21.598	3142	3147	3152	rBV3	60127	125816	9.12%	0.503%
74	21.774	3174	3177	3180	rVV	46597	66339	4.81%	0.265%
75	21.833	3180	3187	3191	rVV	187695	352825	25.56%	1.410%
76	21.886	3192	3196	3201	rVV	123006	208496	15.10%	0.833%
77	21.945	3202	3206	3210	rVV3	63925	126049	9.13%	0.504%
78	21.986	3210	3213	3217	rVV2	63096	102248	7.41%	0.409%
79	22.027	3217	3220	3223	rVV	113884	162989	11.81%	0.652%
80	22.062	3223	3226	3232	rVV3	74968	108513	7.86%	0.434%
81	22.127	3232	3237	3242	rVB2	65150	105017	7.61%	0.420%
82	22.597	3312	3317	3323	rVV4	45468	100169	7.26%	0.400%
83	22.850	3353	3360	3372	rVB	364327	1082706	78.44%	4.328%
84	23.021	3384	3389	3395	rVB	73826	118221	8.56%	0.473%
85	23.150	3407	3411	3419	rBV4	30015	67782	4.91%	0.271%
86	23.327	3435	3441	3445	rBV	255087	471073	34.13%	1.883%
87	23.380	3445	3450	3453	rVV	267756	498477	36.11%	1.993%
88	23.421	3453	3457	3464	rVV	376589	683830	49.54%	2.734%
89	23.521	3467	3474	3479	rVV	281801	554961	40.21%	2.219%
90	23.568	3479	3482	3490	rVB3	113502	224382	16.26%	0.897%
91	24.003	3552	3556	3562	rBV2	24418	54606	3.96%	0.218%
92	24.386	3616	3621	3635	rVB4	49546	150078	10.87%	0.600%
93	25.533	3812	3816	3822	rVB3	30493	59599	4.32%	0.238%
94	25.768	3847	3856	3868	rVB	194411	561047	40.65%	2.243%
95	26.027	3894	3900	3908	rVB	33507	77039	5.58%	0.308%
96	26.121	3908	3916	3922	rBV2	32925	100006	7.25%	0.400%
97	26.462	3963	3974	3986	rBV	143435	461748	33.45%	1.846%
98	26.821	4028	4035	4053	rVB2	42672	171397	12.42%	0.685%
99	27.009	4060	4067	4080	rVB6	15365	58340	4.23%	0.233%
100	28.238	4266	4276	4285	rBV8	13041	59832	4.33%	0.239%

Sum of corrected areas: 25015000

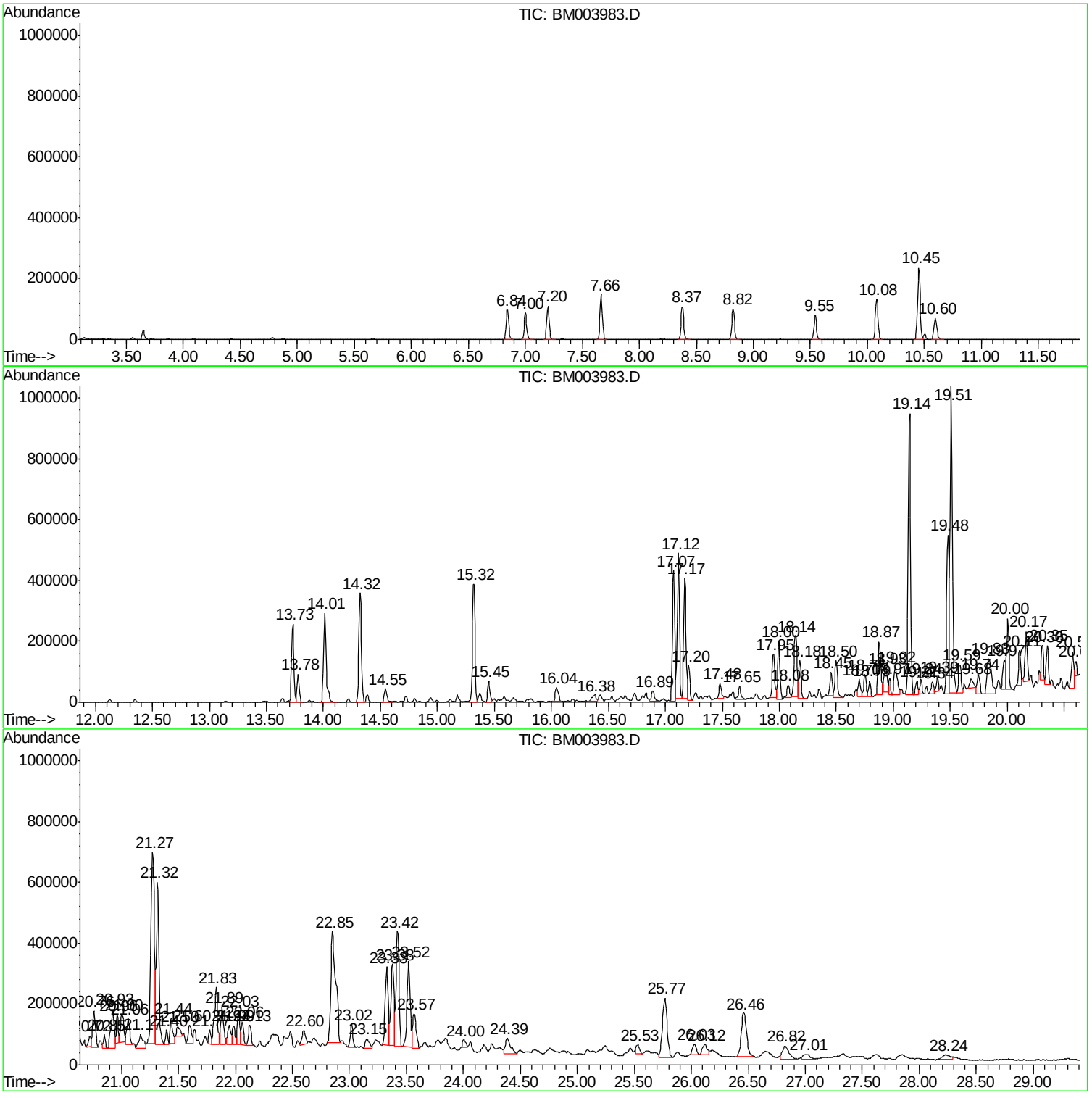
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM011316\
Data File : BM003983.D
Acq On : 13 Jan 2016 09:38
Operator : SJ/UM
Sample : H1095-13
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC975

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.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\BM011316\
Data File : BM003983.D
Acq On : 13 Jan 2016 09:38
Operator : SJ/UM
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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

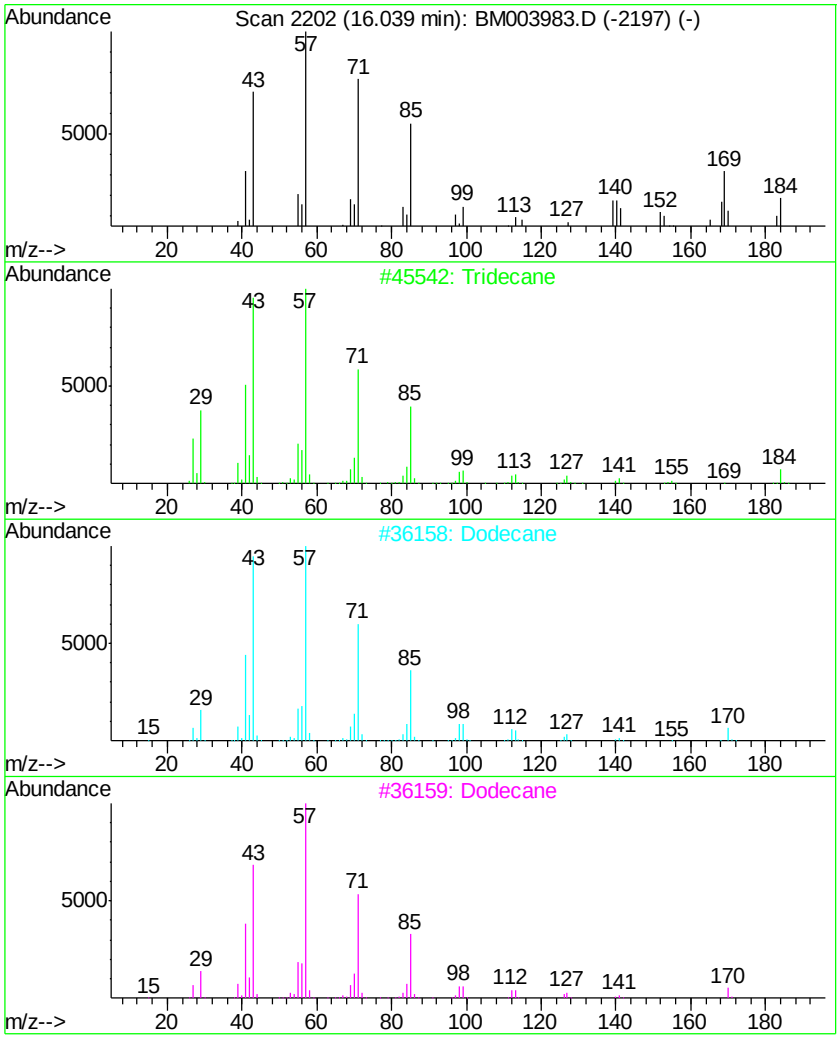
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

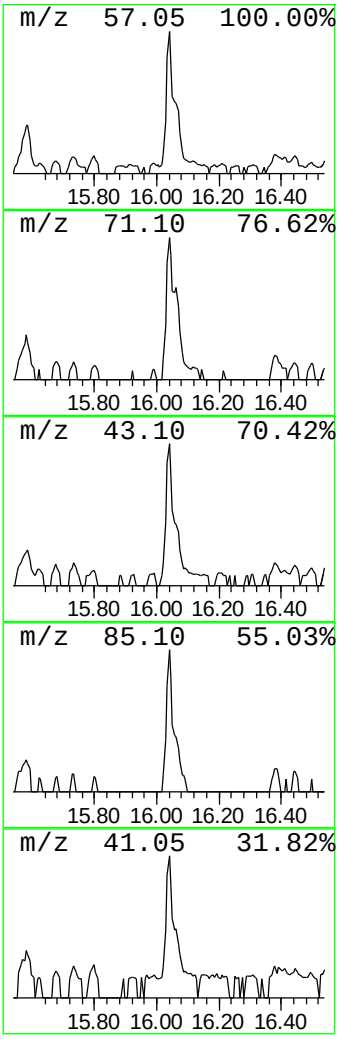
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	3.16 ng/ul	94876	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	42
2	Dodecane	170	C12H26	000112-40-3	38
3	Dodecane	170	C12H26	000112-40-3	38
4	Dodecane	170	C12H26	000112-40-3	30
5	Dodecane	170	C12H26	000112-40-3	30





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM011316\
Data File : BM003983.D
Acq On : 13 Jan 2016 09:38
Operator : SJ/UM
Sample : H1095-13
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC975

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

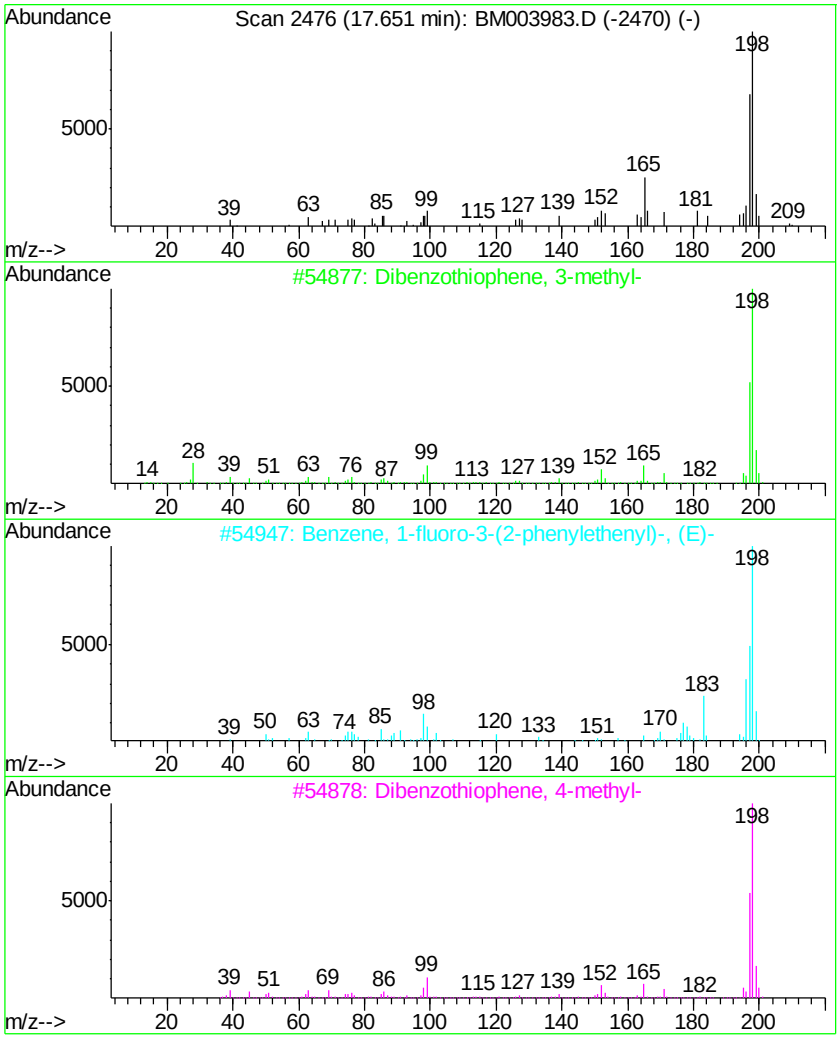
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

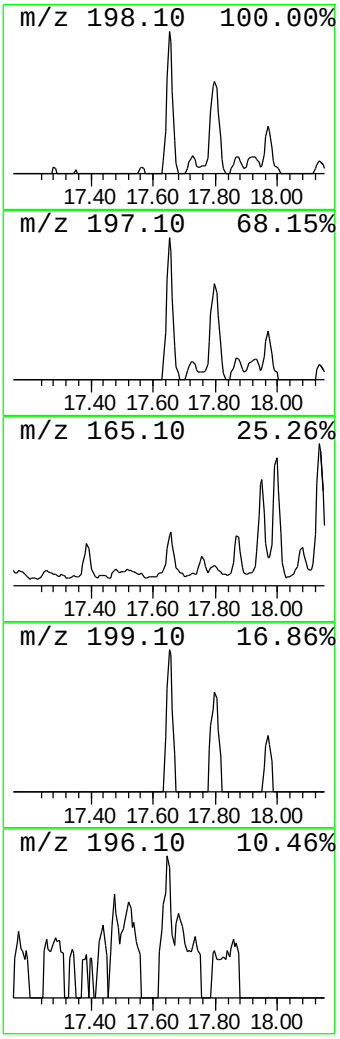
****

Peak Number 2 Dibenzothiophene, 3-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.65	2.33 ng/ul	69912	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	90
2	Benzene, 1-fluoro-3-(2-phenyleth...	198	C14H11F	003041-81-4	72
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	72
4	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	72
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	68





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM011316\
Data File : BM003983.D
Acq On : 13 Jan 2016 09:38
Operator : SJ/UM
Sample : H1095-13
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC975

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

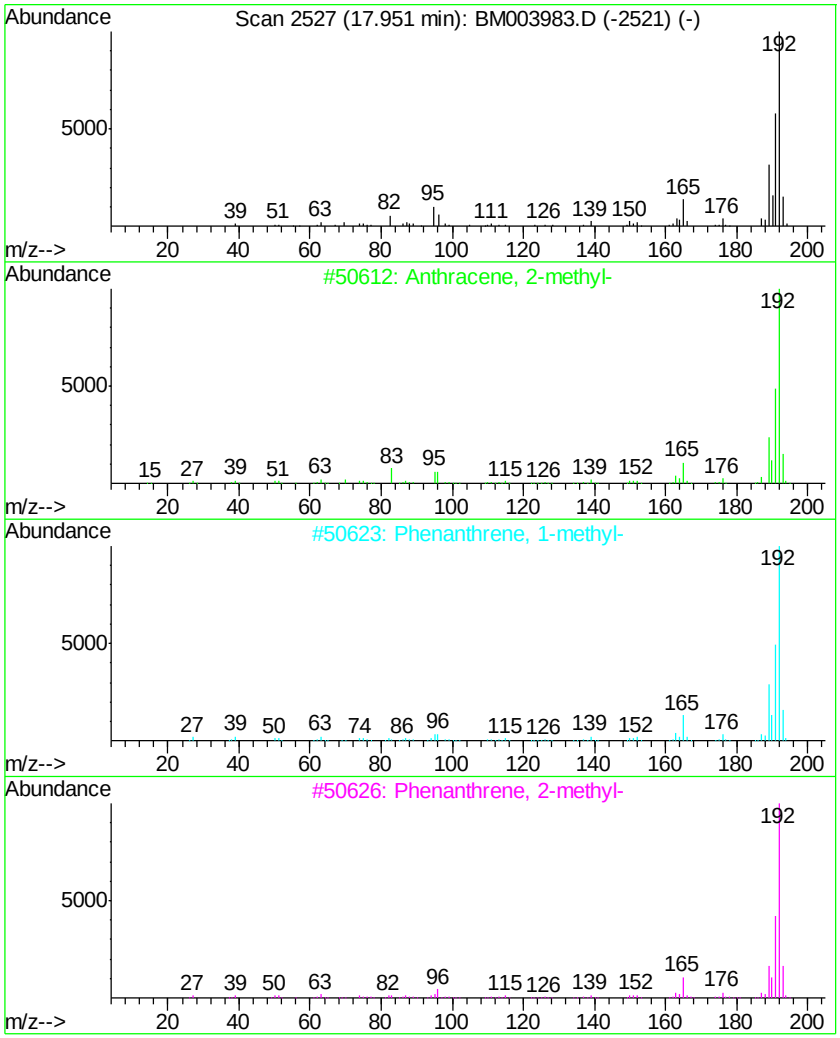
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

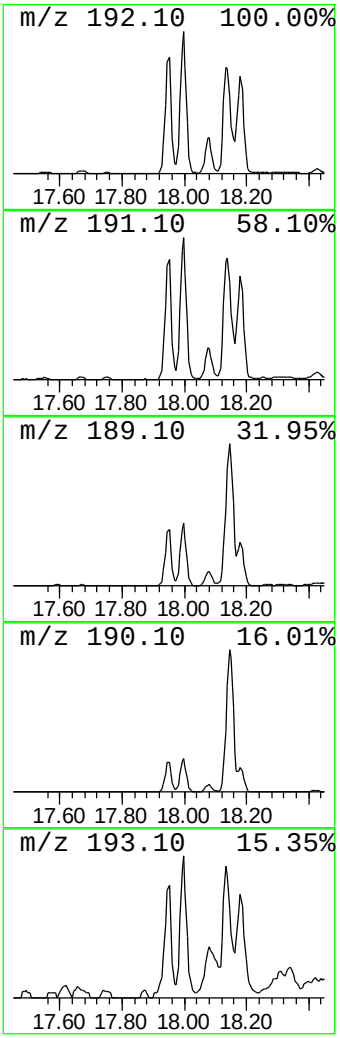
****

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	7.16 ng/ul	214921	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





Data Path : Z:\HPCHEM1\BNA M\DATA\BM011316\
Data File : BM003983.D
Acq On : 13 Jan 2016 09:38
Operator : SJ/UM
Sample : H1095-13
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC975

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

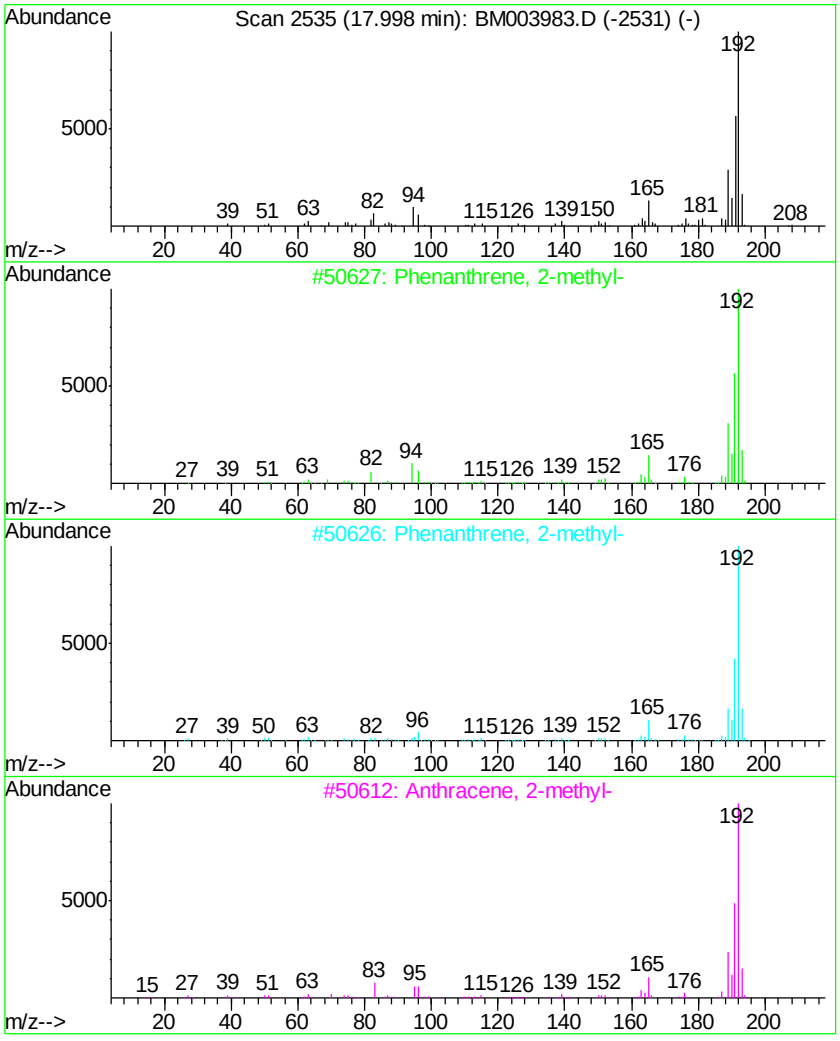
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

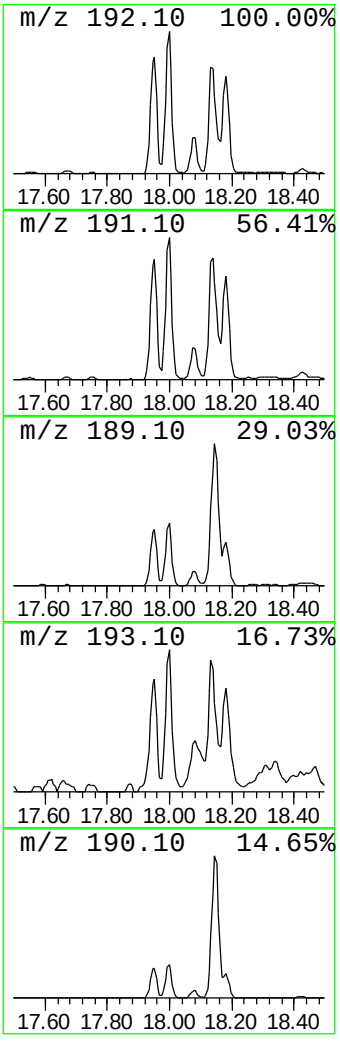
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	8.77 ng/ul	263361	Phenanthrene-d10	17.07

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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





Data Path : Z:\HPCHEM1\BNA M\DATA\BM011316\
Data File : BM003983.D
Acq On : 13 Jan 2016 09:38
Operator : SJ/UM
Sample : H1095-13
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC975

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

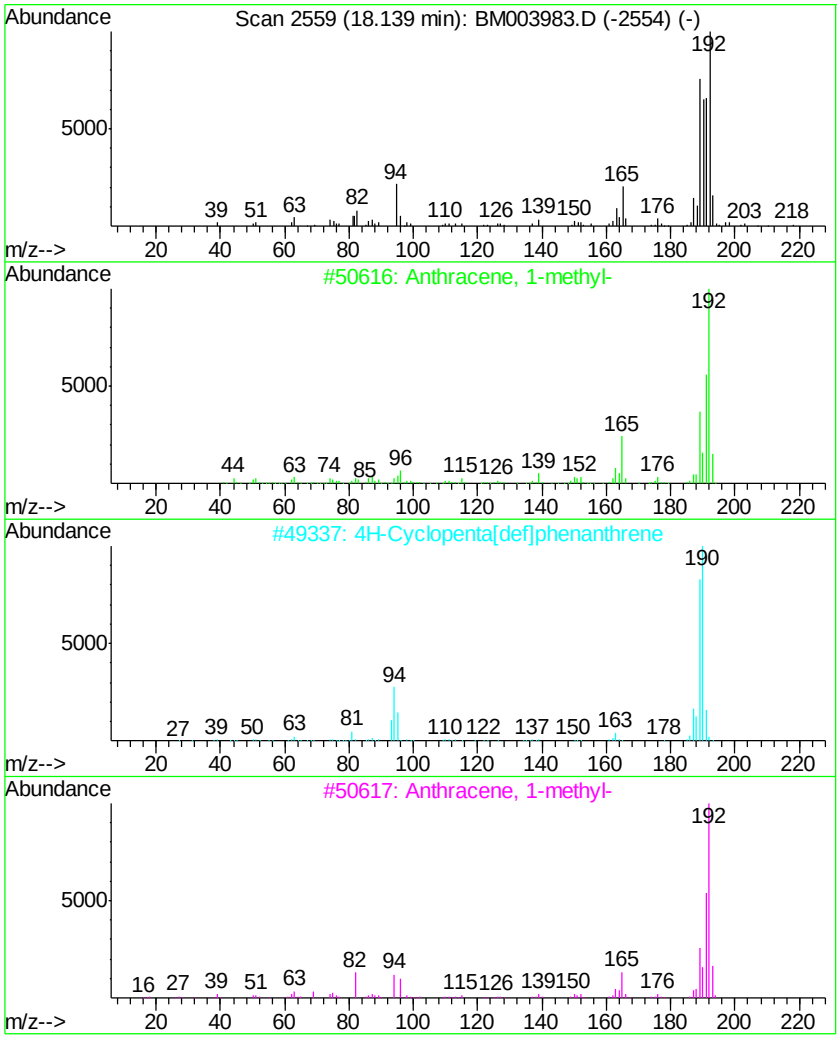
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

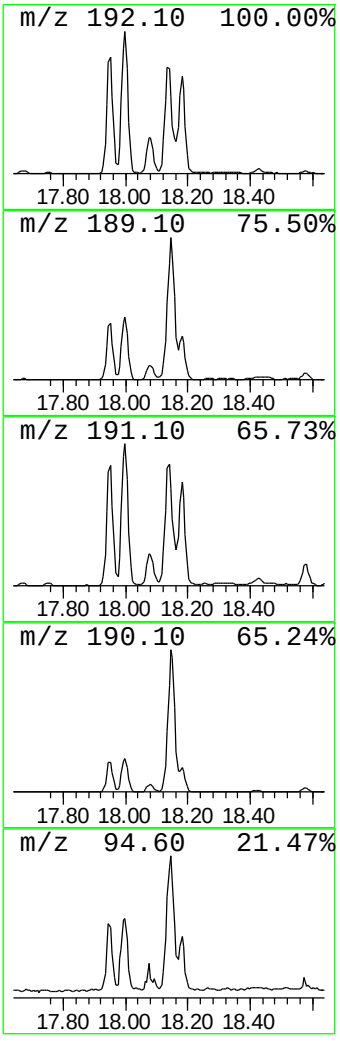
****

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	12.13 ng/ul	364317	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	50
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	50
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM011316\
Data File : BM003983.D
Acq On : 13 Jan 2016 09:38
Operator : SJ/UM
Sample : H1095-13
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC975

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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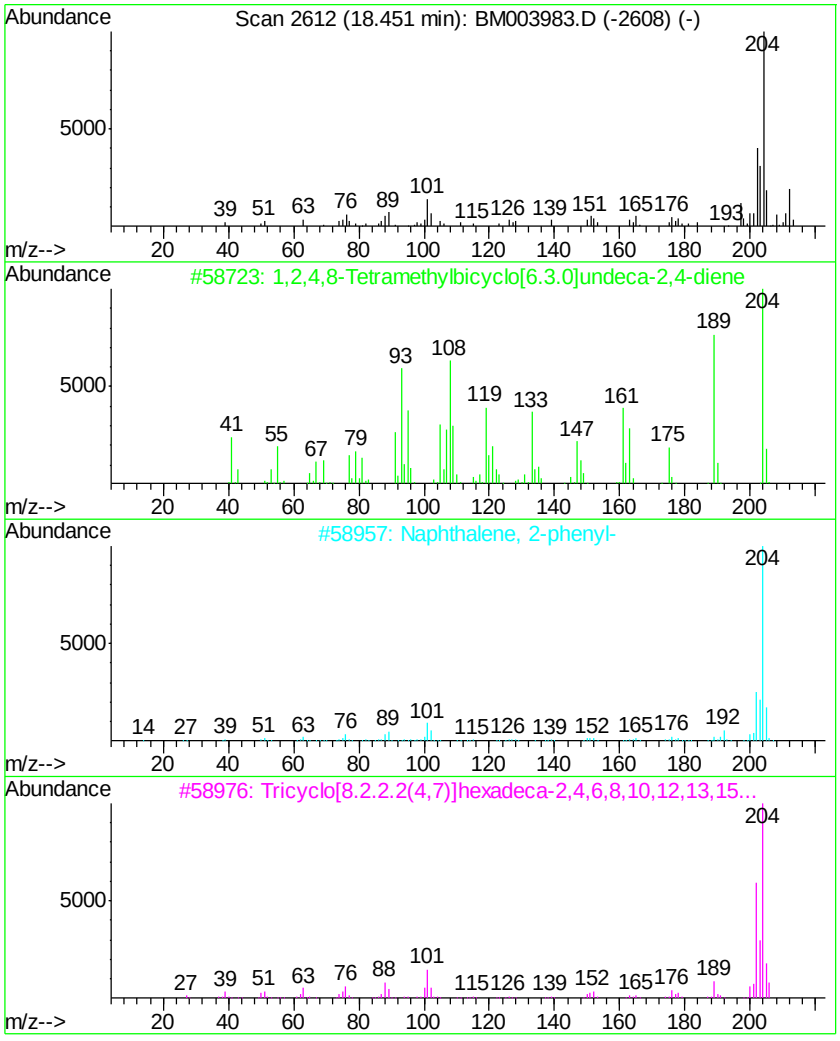
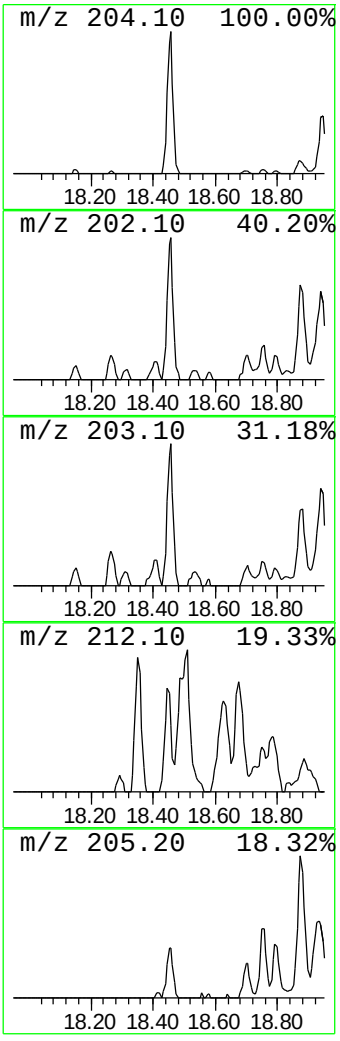
Peak Number 8 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	3.79 ng/ul	113960	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
4	2-Phenylnaphthalene	204	C16H12	035465-71-5	55
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	55





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Sample : H1095-13
Misc :
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Instrument : BNA_M
ClientSampleId : BC975

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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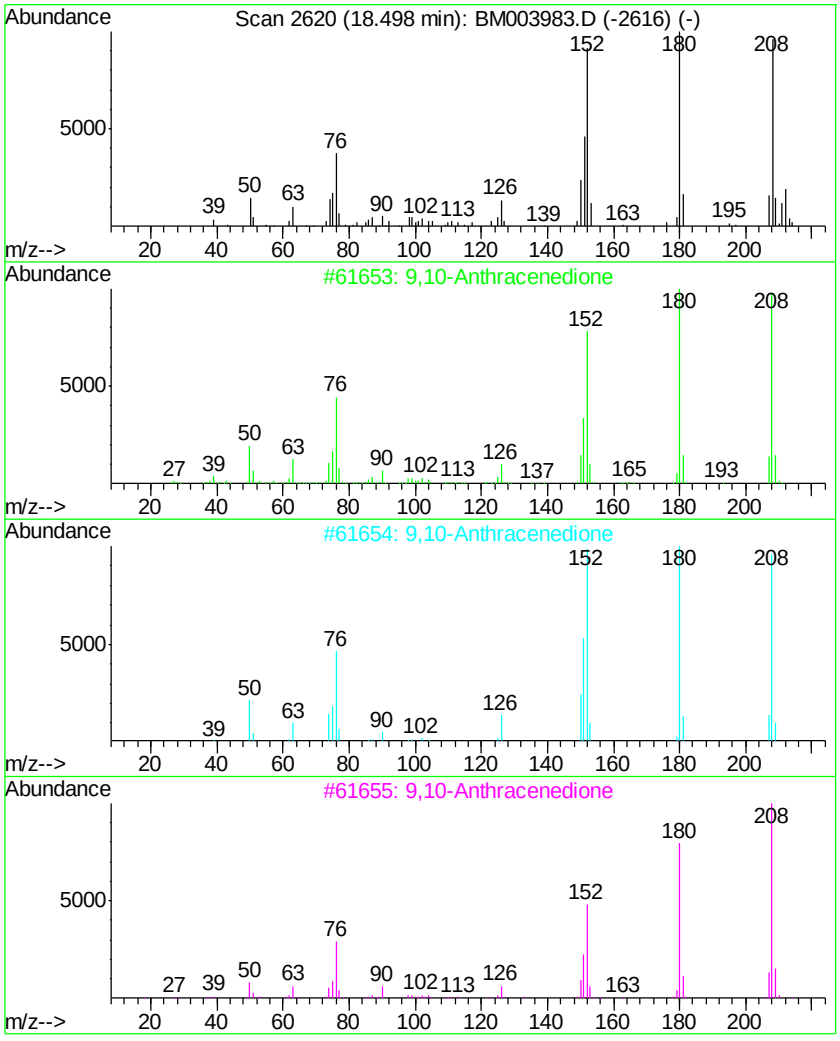
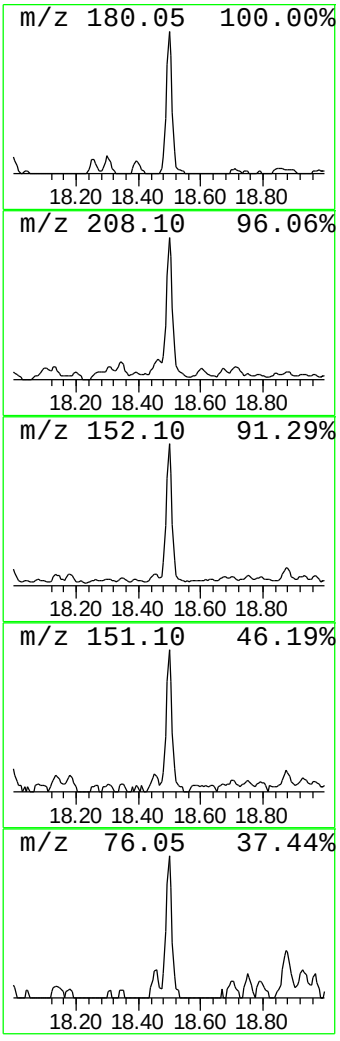
Peak Number 9 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	6.27 ng/ul	188320	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	92
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60





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Sample : H1095-13
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC975

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Quant Title : SVOA CALIBRATION

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

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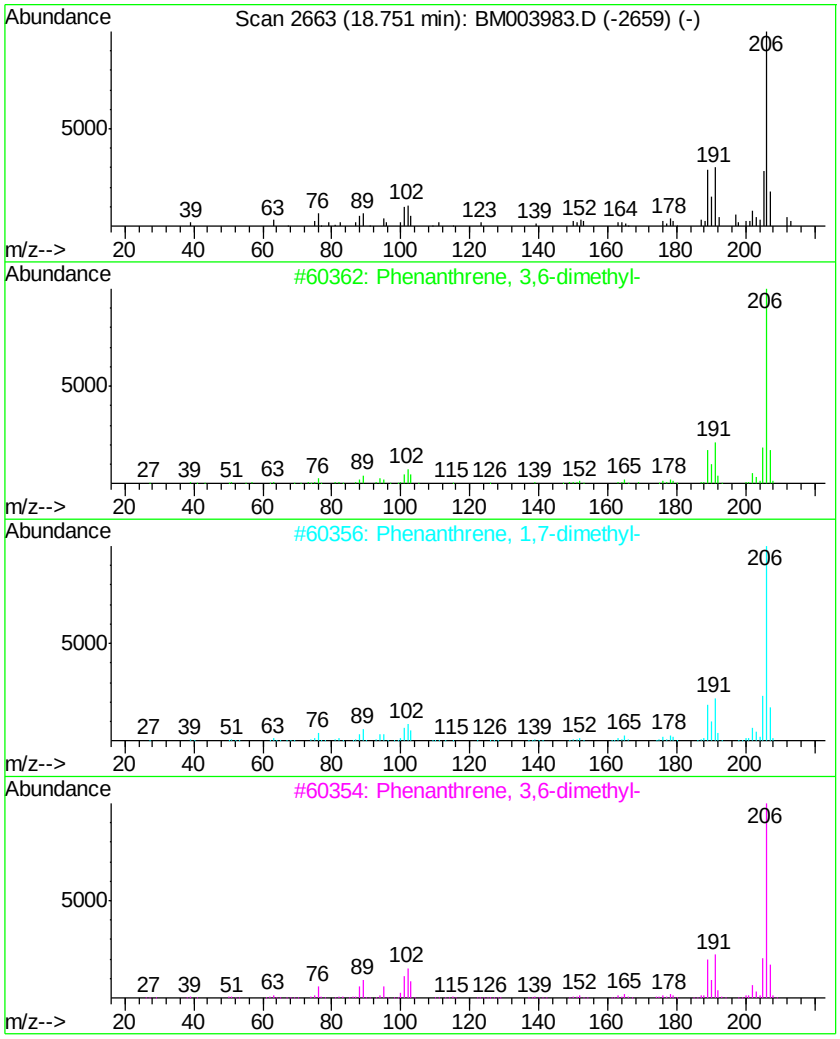
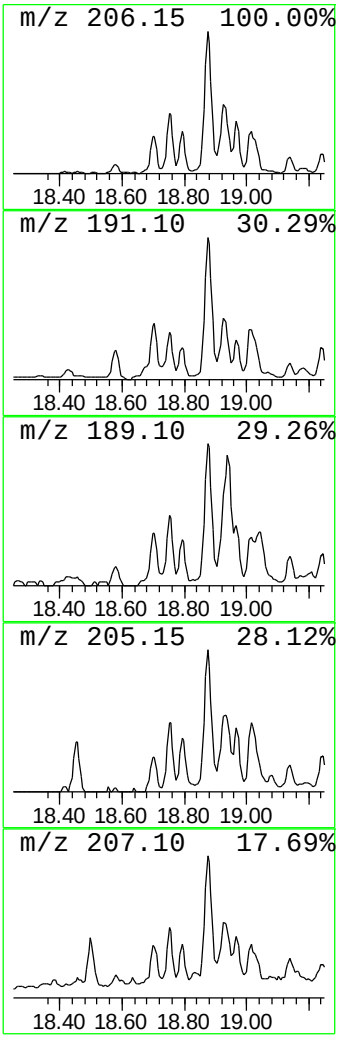
Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.75	3.54 ng/ul	106360	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	95
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	90





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Sample : H1095-13
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ALS Vial : 24 Sample Multiplier: 1

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ClientSampleId : BC975

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Quant Title : SVOA CALIBRATION

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

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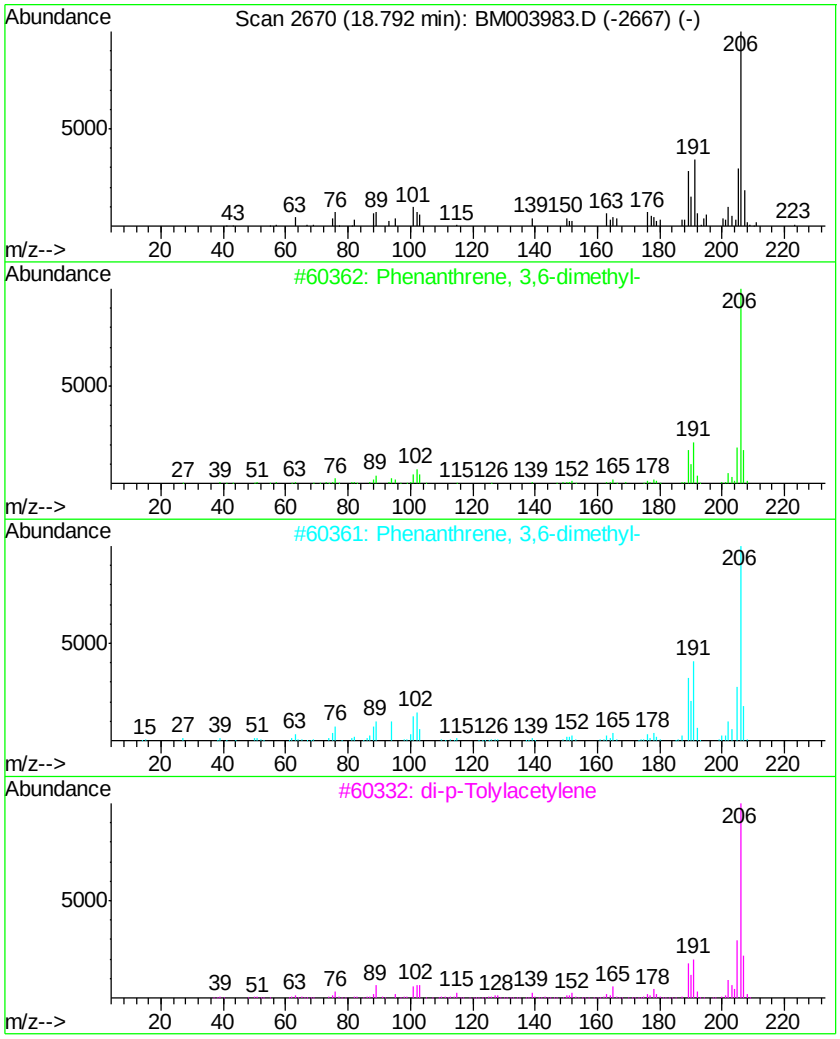
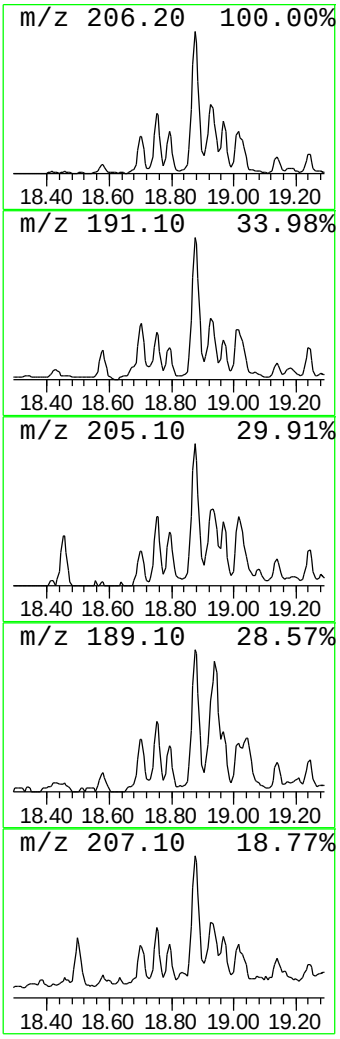
Peak Number 12 di-p-Tolylacetylene Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	2.25 ng/ul	67497	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





Library Search Compound Report

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Sample : H1095-13
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ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC975

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Quant Title : SVOA CALIBRATION

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

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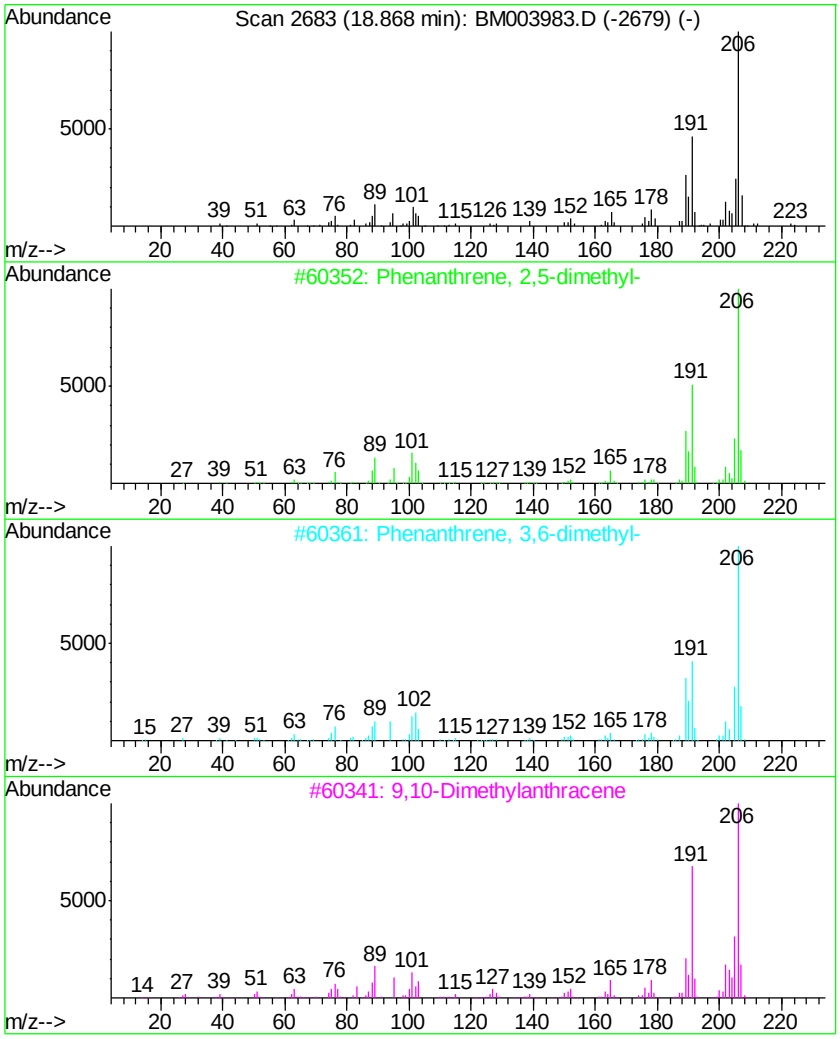
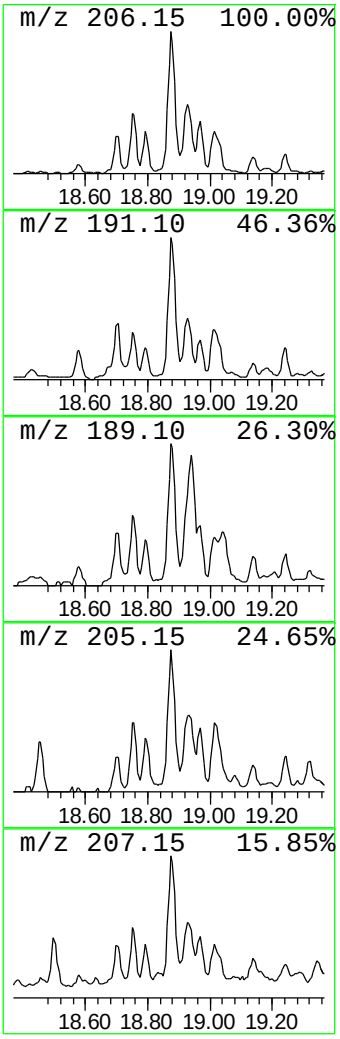
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	10.21 ng/ul	306625	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC975

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Quant Title : SVOA CALIBRATION

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

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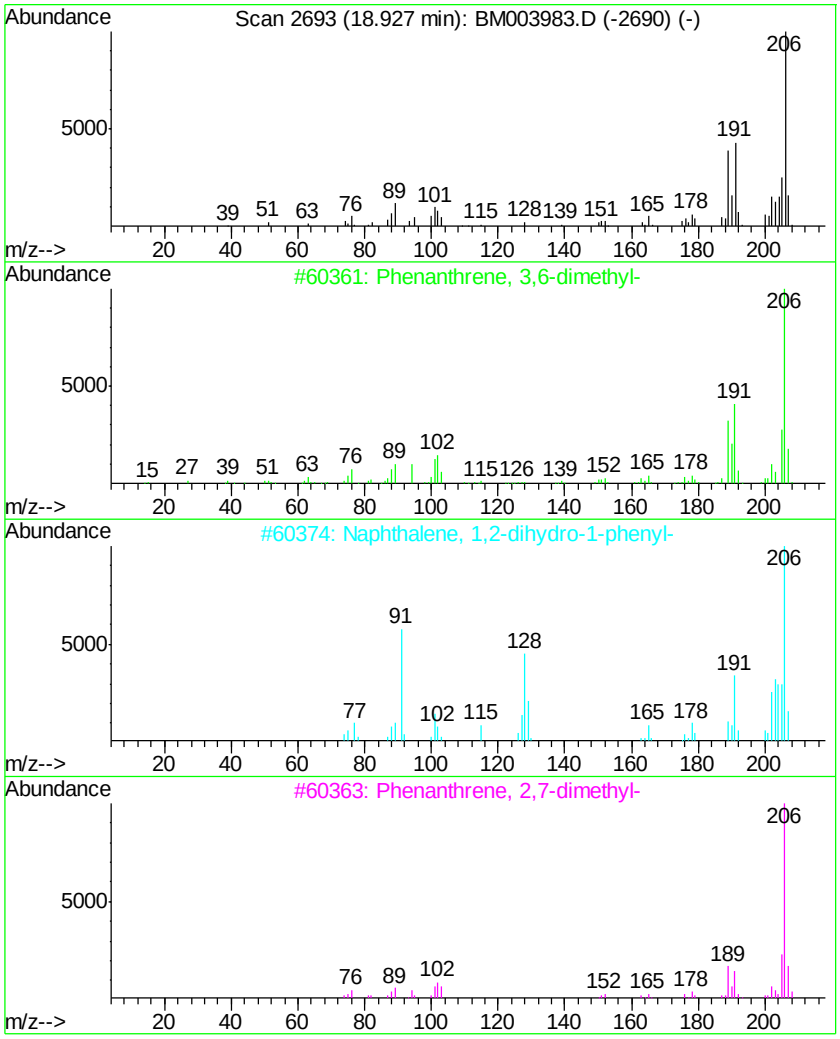
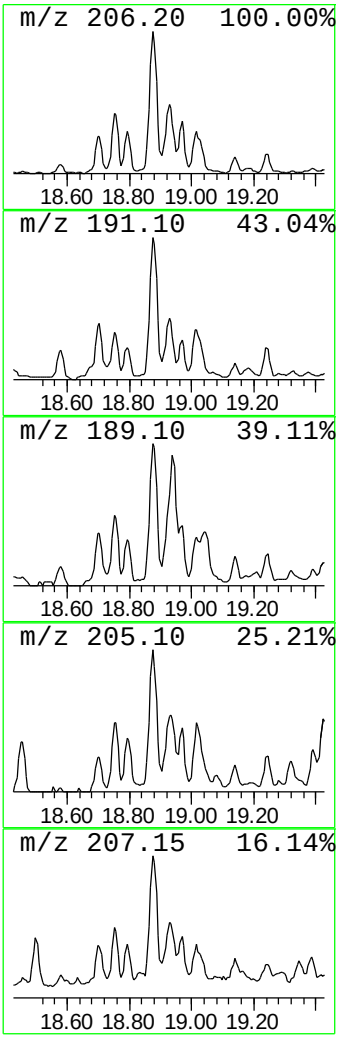
Peak Number 14 Naphthalene, 1,2-dihydro-1-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	5.01 ng/ul	150444	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
2	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	78
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	70
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	58
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	55





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Sample : H1095-13
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Instrument : BNA_M
ClientSampleId : BC975

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Quant Title : SVOA CALIBRATION

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

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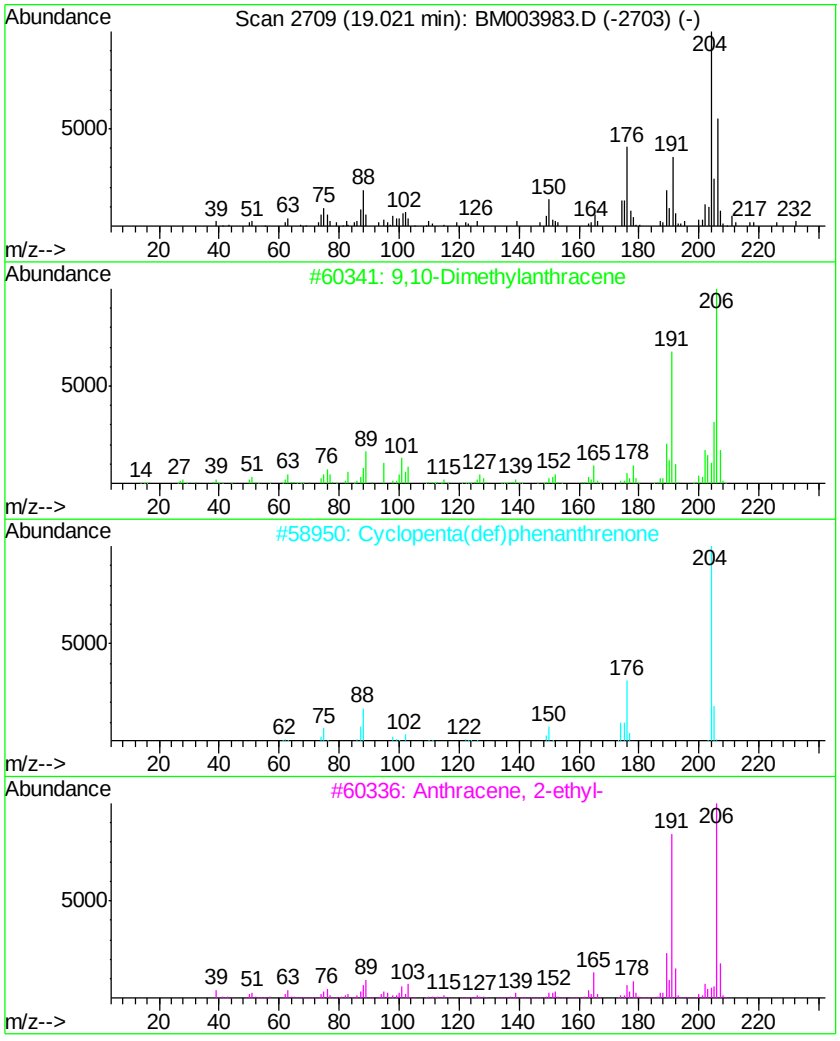
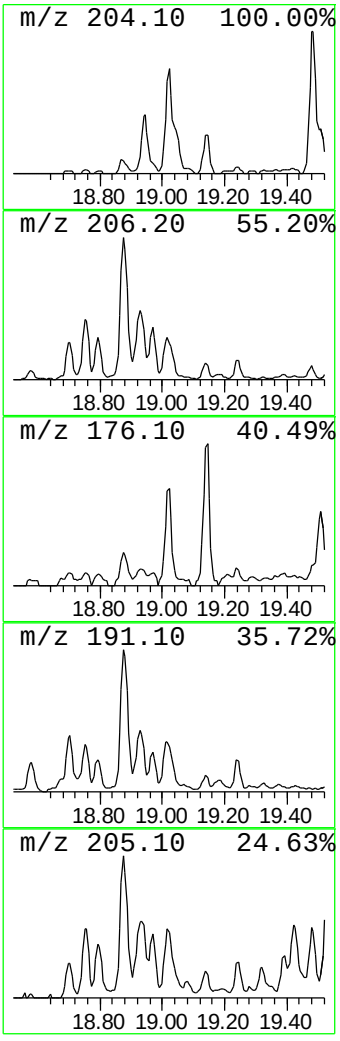
Peak Number 15 9,10-Dimethylanthracene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	6.37 ng/ul	191291	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
2	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	86
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	86
4	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	64
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	64





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Sample : H1095-13
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC975

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Quant Title : SVOA CALIBRATION

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

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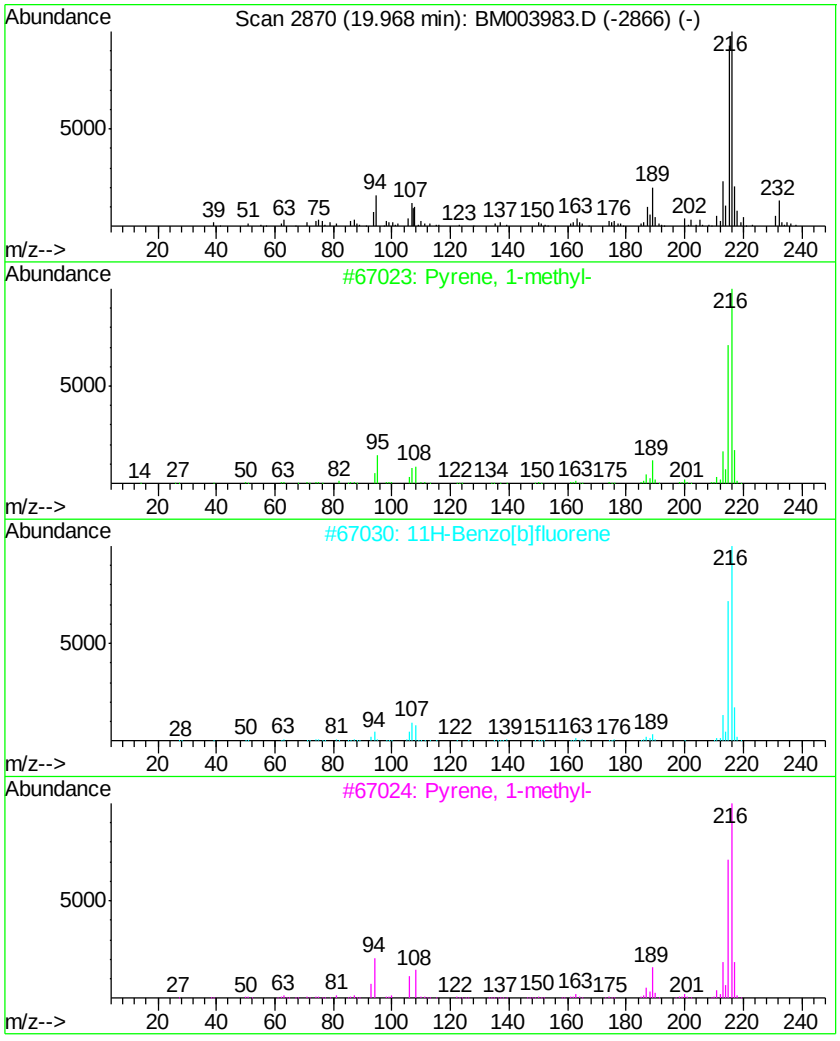
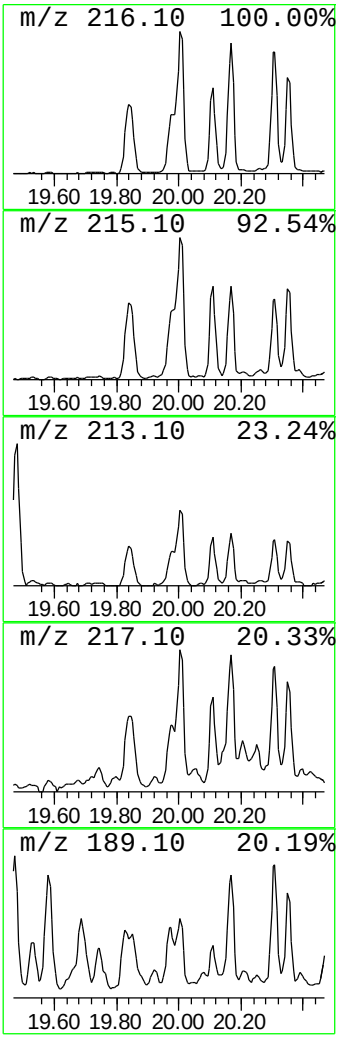
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.97	2.38 ng/ul	164361	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





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Quant Title : SVOA CALIBRATION

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

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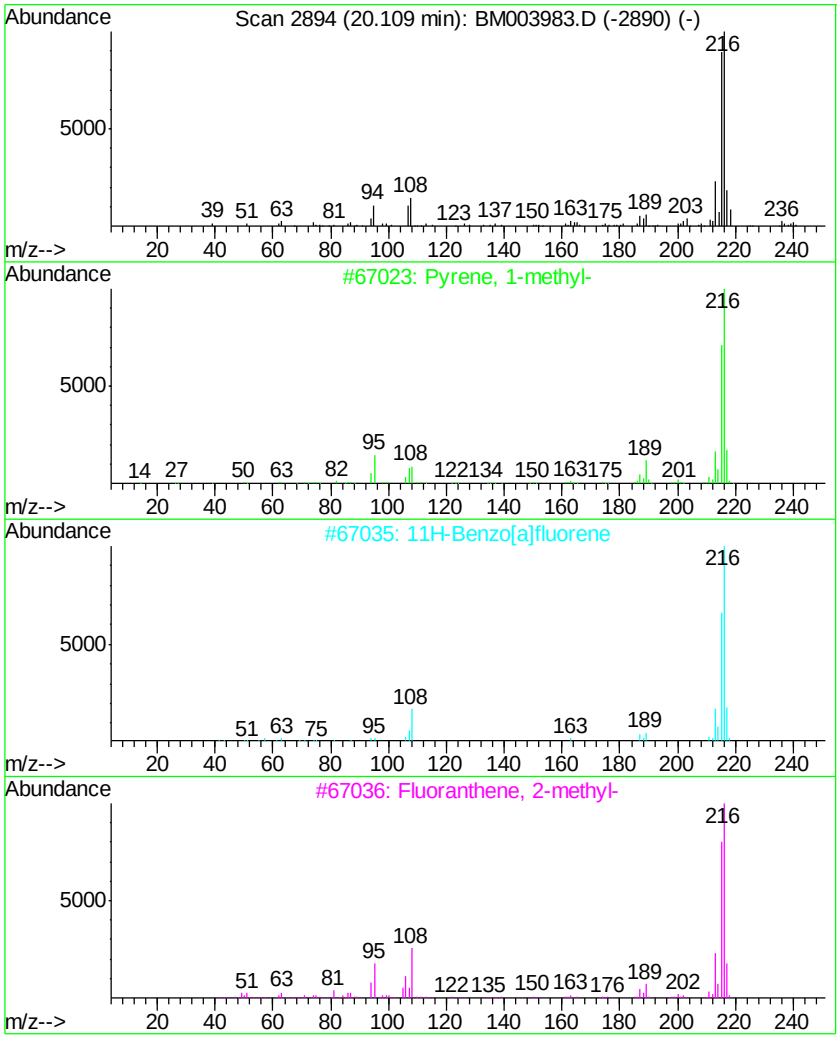
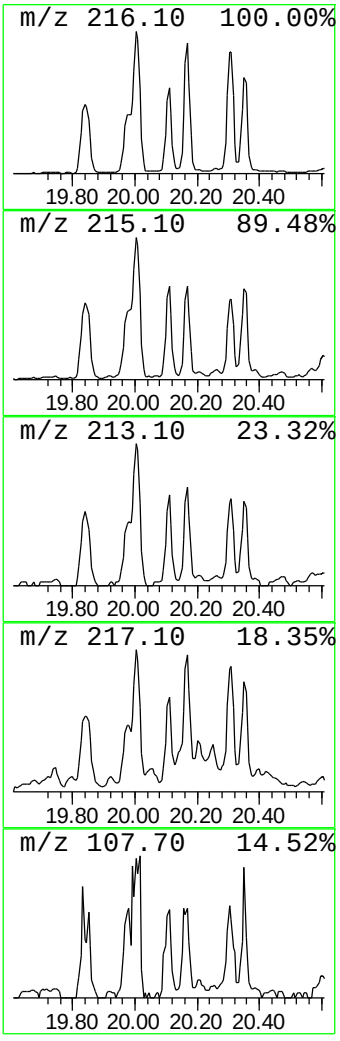
Peak Number 20 Pyrene, 1-methyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.11	2.12 ng/ul	146614	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91





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Operator : SJ/UM
Sample : H1095-13
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC975

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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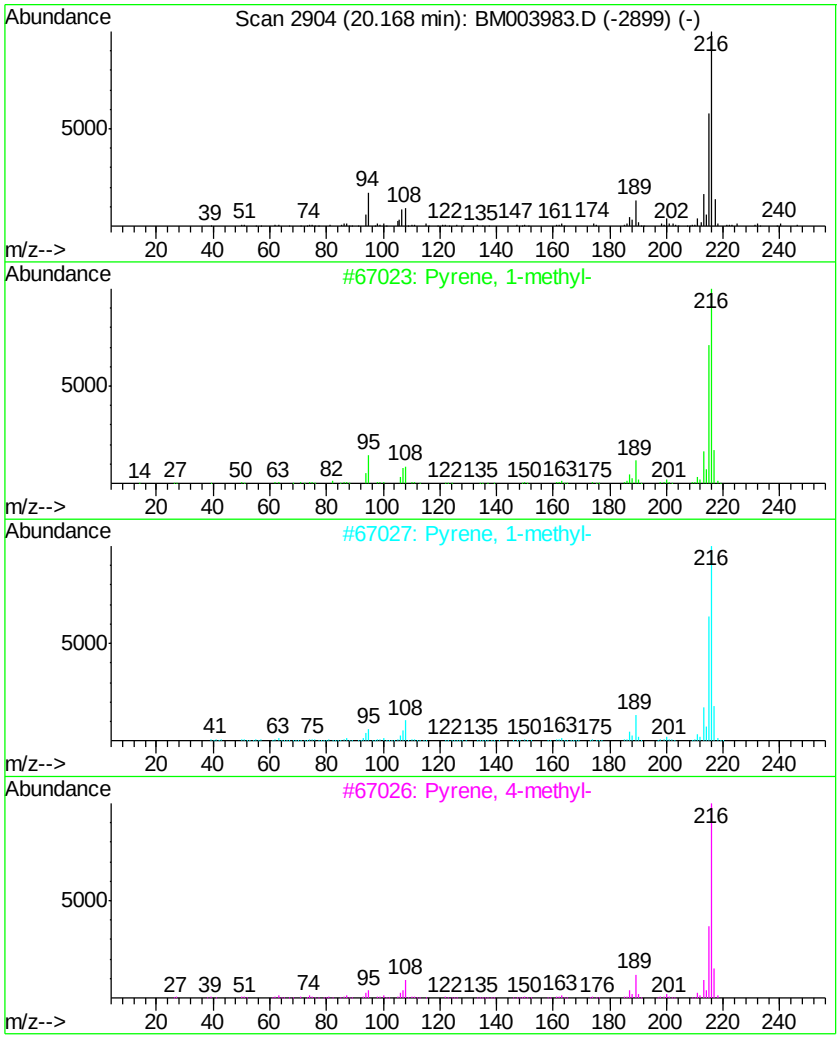
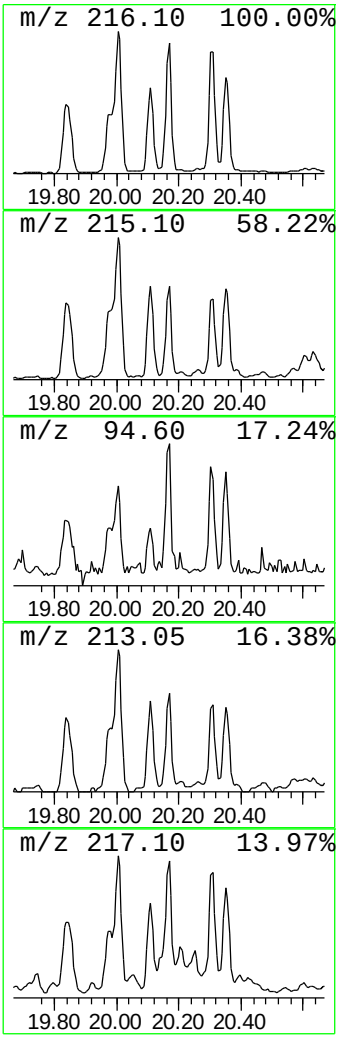
Peak Number 21 Pyrene, 4-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.17	3.27 ng/ul	225462	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93





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Instrument : BNA_M
ClientSampleId : BC975

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Quant Title : SVOA CALIBRATION

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

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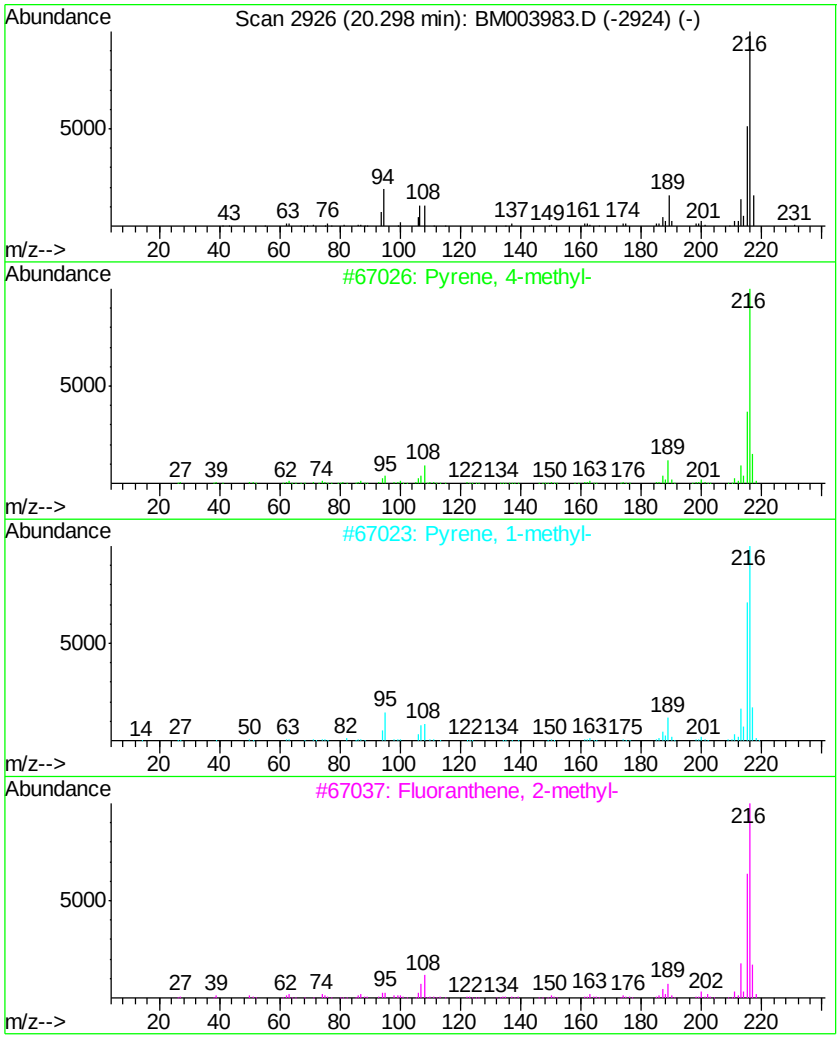
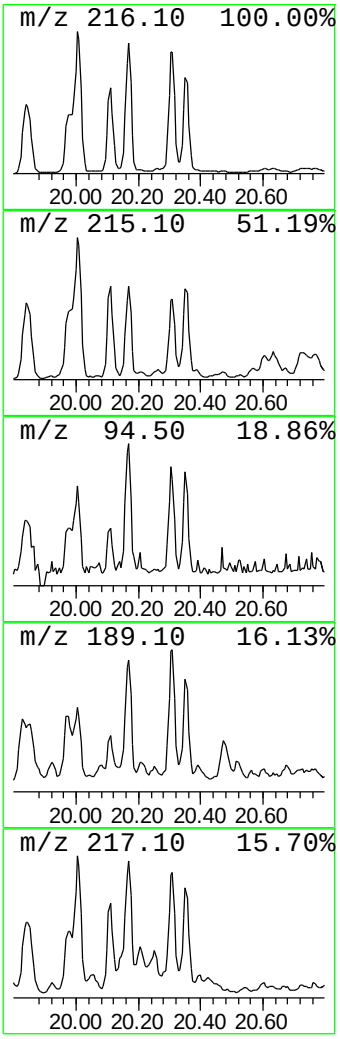
Peak Number 22 Fluoranthene, 2-methyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.30	2.02 ng/ul	139456	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	90





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Sample : H1095-13
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC975

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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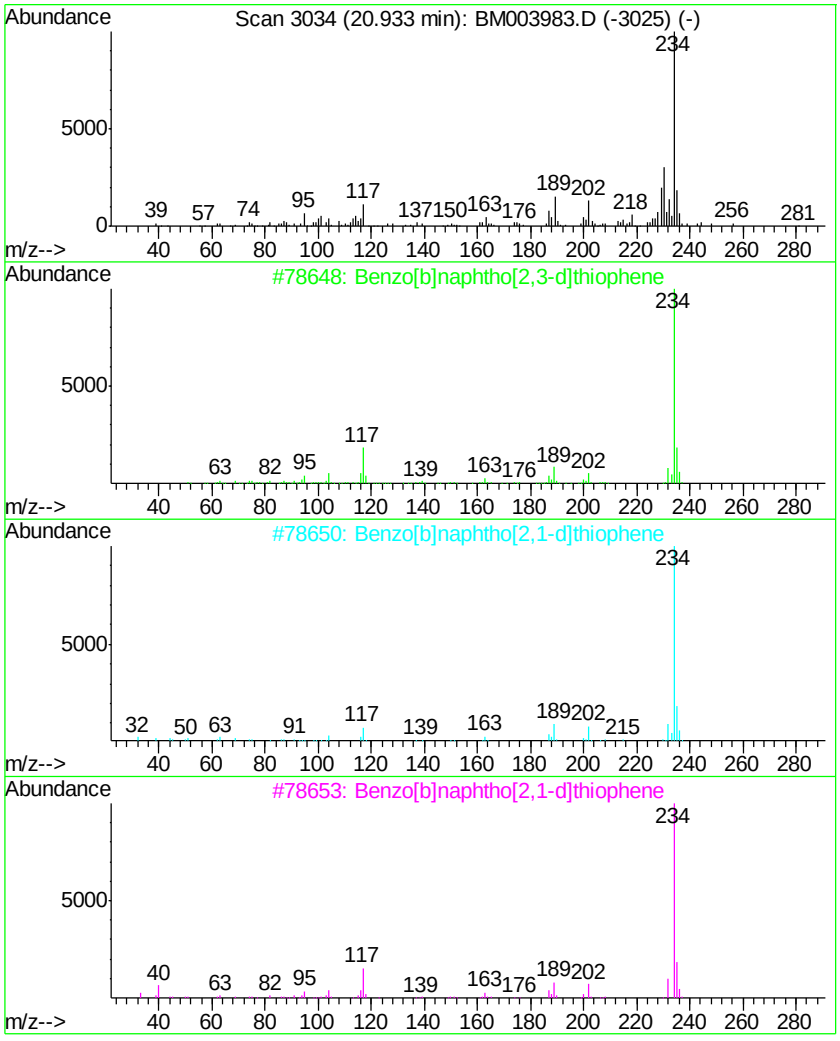
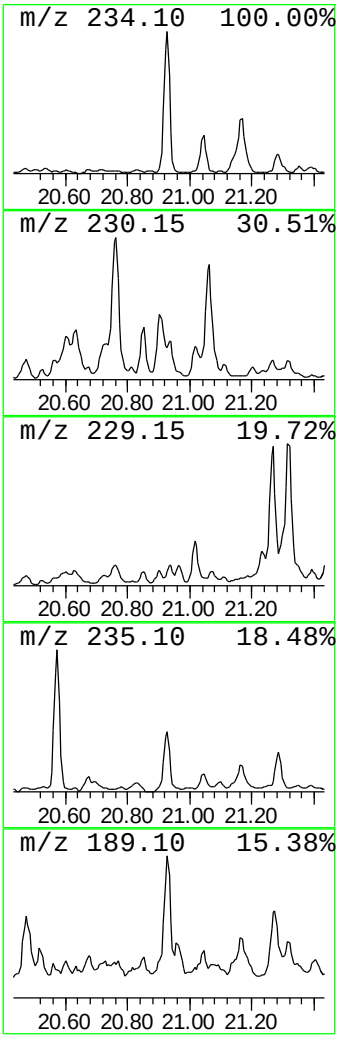
Peak Number 26 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	3.84 ng/ul	265033	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	91
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90





Data Path : Z:\HPCHEM1\BNA M\DATA\BM011316\
Data File : BM003983.D
Acq On : 13 Jan 2016 09:38
Operator : SJ/UM
Sample : H1095-13
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC975

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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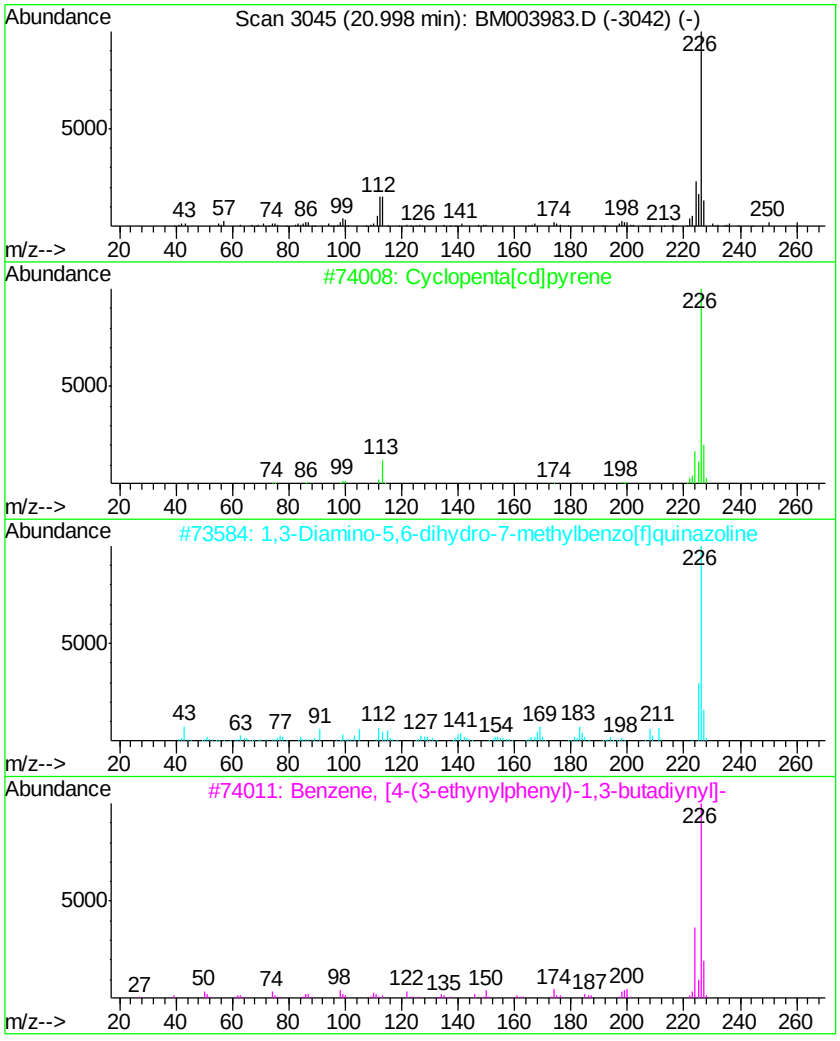
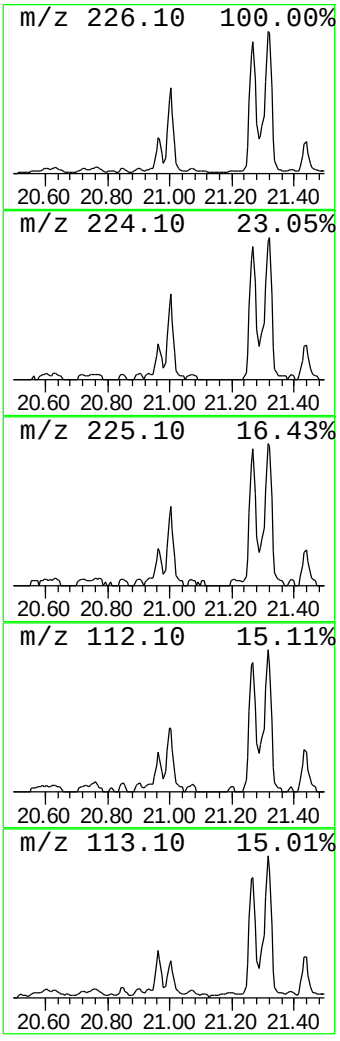
Peak Number 27 Cyclopenta[cd]pyrene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.00	2.64 ng/ul	181867	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	64
2	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	50
3	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	47
4	p-Anisaldehyde phenylhydrazone	226	C14H14N2O	000622-73-1	40
5	1,1,3,3-Tetrachloro-1,3-disilacy...	224	C2H4Cl4Si2	002146-97-6	36





Library Search Compound Report

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Data File : BM003983.D
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Operator : SJ/UM
Sample : H1095-13
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC975

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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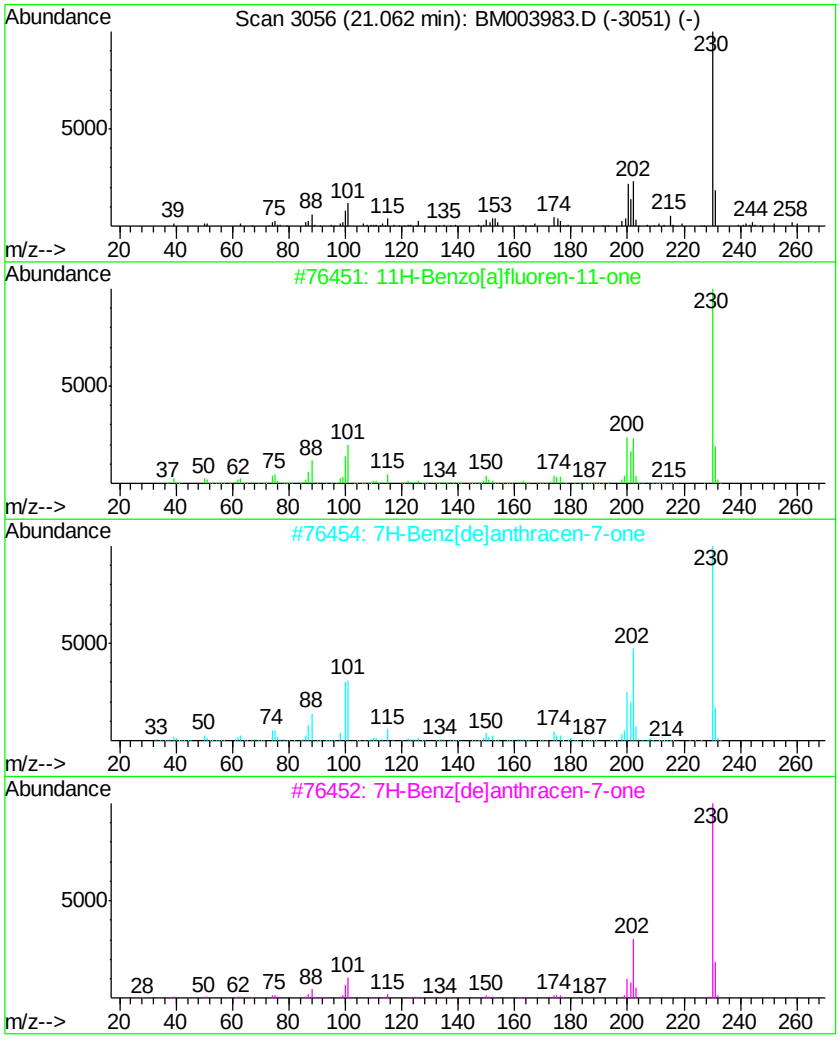
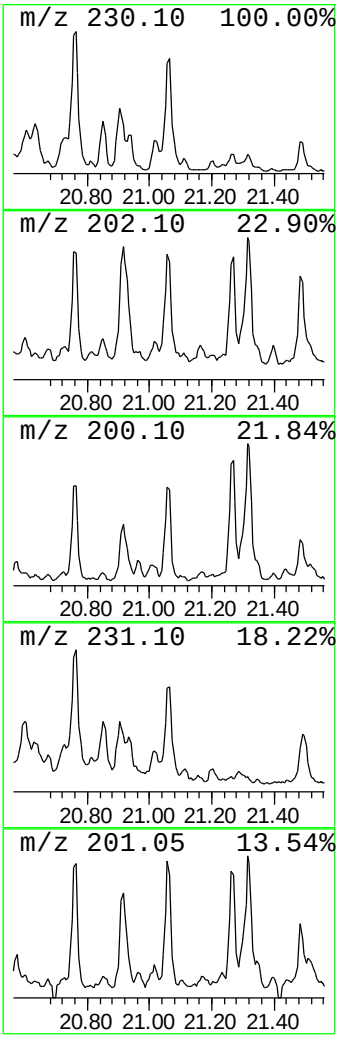
Peak Number 28 11H-Benzo[a]fluoren-11-one Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.06	2.24 ng/ul	154667	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
5	o-Terphenyl	230	C18H14	000084-15-1	58





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM011316\
Data File : BM003983.D
Acq On : 13 Jan 2016 09:38
Operator : SJ/UM
Sample : H1095-13
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC975

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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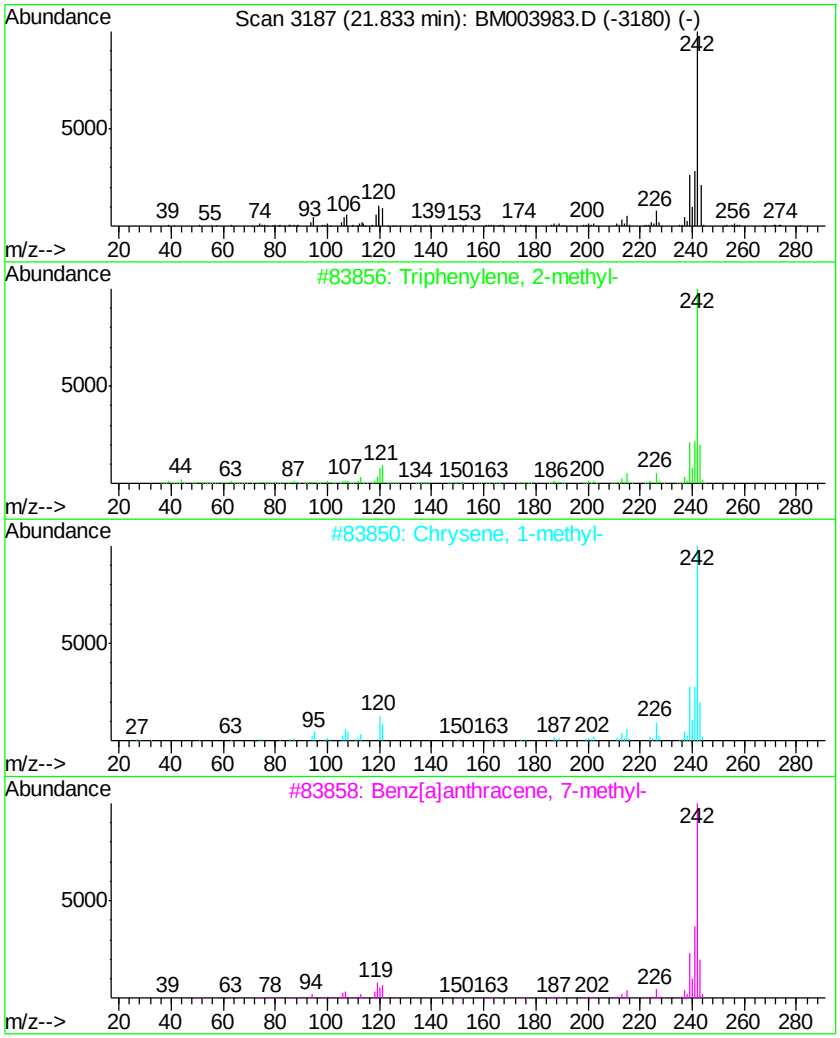
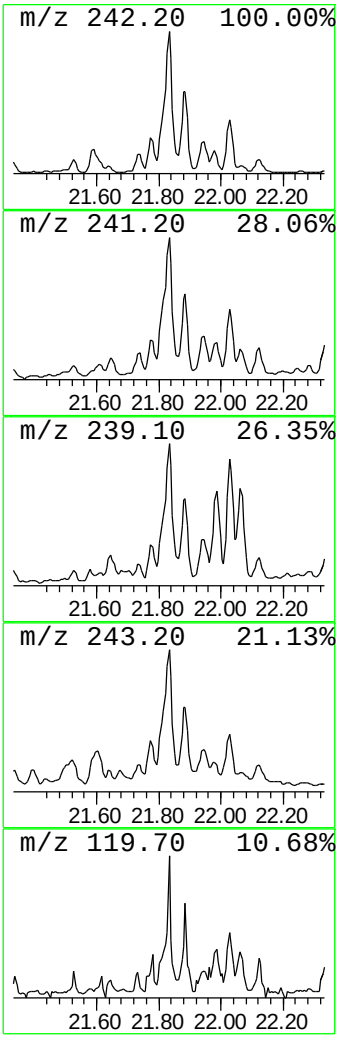
Peak Number 29 Triphenylene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.83	5.11 ng/ul	352825	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	91
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011316\
Data File : BM003983.D
Acq On : 13 Jan 2016 09:38
Operator : SJ/UM
Sample : H1095-13
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC975

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.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
(DEL) Alkane: Str...	16.04	3.2	ng/ul	94876	4	17.07	600715	20.0
Dibenzothiophene,...	17.65	2.3	ng/ul	69912	4	17.07	600715	20.0
Anthracene, 2-met...	17.95	7.2	ng/ul	214921	4	17.07	600715	20.0
Phenanthrene, 2-m...	18.00	8.8	ng/ul	263361	4	17.07	600715	20.0
Anthracene, 1-met...	18.14	12.1	ng/ul	364317	4	17.07	600715	20.0
1,2,4,8-Tetrameth...	18.45	3.8	ng/ul	113960	4	17.07	600715	20.0
9,10-Anthracenedione	18.50	6.3	ng/ul	188320	4	17.07	600715	20.0
Phenanthrene, 3,6...	18.75	3.5	ng/ul	106360	4	17.07	600715	20.0
di-p-Tolylacetylene	18.79	2.3	ng/ul	67497	4	17.07	600715	20.0
Phenanthrene, 2,5...	18.87	10.2	ng/ul	306625	4	17.07	600715	20.0
Naphthalene, 1,2-...	18.93	5.0	ng/ul	150444	4	17.07	600715	20.0
9,10-Dimethylanth...	19.02	6.4	ng/ul	191291	4	17.07	600715	20.0
11H-Benzo[b]fluorene	19.97	2.4	ng/ul	164361	5	21.28	1380310	20.0
Pyrene, 1-methyl-	20.11	2.1	ng/ul	146614	5	21.28	1380310	20.0
Pyrene, 4-methyl-	20.17	3.3	ng/ul	225462	5	21.28	1380310	20.0
Fluoranthene, 2-m...	20.30	2.0	ng/ul	139456	5	21.28	1380310	20.0
Benzo[b]naphtho[2...	20.93	3.8	ng/ul	265033	5	21.28	1380310	20.0
Cyclopenta[cd]pyrene	21.00	2.6	ng/ul	181867	5	21.28	1380310	20.0
11H-Benzo[a]fluor...	21.06	2.2	ng/ul	154667	5	21.28	1380310	20.0
Triphenylene, 2-m...	21.83	5.1	ng/ul	352825	5	21.28	1380310	20.0