LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023613.D
Acq On : 11 Aug 2016 4:30
Operator : UM/SJ
Sample : H4384-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS001-0612-01

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_G\METHODS\SOM02.2-EPA-BG080416.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	7.261	745	753	761	rBV	437325	785489	11.57%	0.849%
2	7.426	775	781	789	rVV	371394	598445	8.82%	0.647%
3	7.637	809	817	825	rBV	424249	736745	10.85%	0.796%
4	8.107	891	897	906	rVB	528594	910268	13.41%	0.984%
5	8.824	1010	1019	1028	rBV	552677	996923	14.68%	1.078%
6	9.288	1091	1098	1109	rVB	436802	806054	11.87%	0.871%
7	9.400	1112	1117	1132	rVV8	29640	96127	1.42%	0.104%
8	10.016	1215	1222	1234	rBV	374818	715777	10.54%	0.774%
9	10.569	1309	1316	1328	rBV2	545786	1088602	16.04%	1.177%
10	10.945	1372	1380	1388	rBV	803111	1535151	22.61%	1.659%
11	11.086	1397	1404	1415	rBV	430637	827188	12.18%	0.894%
12	14.099	1910	1917	1922	rVV3	63233	118917	1.75%	0.129%
13	14.175	1922	1930	1934	rVV	1186269	1827439	26.92%	1.975%
14	14.222	1934	1938	1947	rVB	1128022	1657820	24.42%	1.792%
15	14.475	1974	1981	1996	rVV	1297903	2325550	34.26%	2.514%
16	14.786	2023	2034	2041	rVV2	1470812	2441327	35.96%	2.639%
17	14.998	2060	2070	2084	rBV2	409296	919745	13.55%	0.994%
18	15.174	2092	2100	2106	rVB3	70599	138610	2.04%	0.150%
19	15.250	2109	2113	2119	rVB	64099	105138	1.55%	0.114%
20	15.397	2130	2138	2142	rBV4	65001	139677	2.06%	0.151%
21	15.562	2159	2166	2170	rBV3	67723	153253	2.26%	0.166%
22	15.603	2170	2173	2178	rVB3	68164	90739	1.34%	0.098%
23	15.779	2197	2203	2209	rVV	1840321	2696599	39.72%	2.915%
24	15.832	2209	2212	2216	rVV3	63310	91084	1.34%	0.098%
25	15.903	2219	2224	2232	rVV	527472	784141	11.55%	0.848%
26	16.472	2316	2321	2323	rBV2	69137	97990	1.44%	0.106%
27	16.502	2323	2326	2333	rVB7	81719	154951	2.28%	0.167%
28	16.831	2377	2382	2388	rBV6	99442	220203	3.24%	0.238%
29	17.077	2416	2424	2426	rBV8	50127	111795	1.65%	0.121%
30	17.201	2441	2445	2451	rVB3	69144	115516	1.70%	0.125%
31	17.271	2453	2457	2462	rVB3	95822	148690	2.19%	0.161%
32	17.365	2469	2473	2478	rVB2	114700	168301	2.48%	0.182%
33	17.547	2498	2504	2508	rBV	1929870	3028777	44.61%	3.274%
34	17.589	2508	2511	2516	rVB	1075732	1549178	22.82%	1.675%

LSC Area Percent Report

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Data File : BG023613.D
Acq On : 11 Aug 2016 4:30
Operator : UM/SJ
Sample : H4384-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS001-0612-01

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_G\METHODS\SOM02.2-EPA-BG080416.M
Title : SVOA CALIBRATION

35	17.647	2516	2521	2526	rBV	1825889	2671474	39.35%	2.888%
36	17.741	2531	2537	2541	rVB5	73727	156203	2.30%	0.169%
37	17.906	2561	2565	2571	rBV3	127549	256013	3.77%	0.277%
38	17.953	2571	2573	2580	rVV4	76030	183067	2.70%	0.198%
39	18.017	2580	2584	2589	rVV5	83429	136483	2.01%	0.148%
40	18.135	2599	2604	2610	rVB2	170010	272647	4.02%	0.295%
41	18.276	2624	2628	2636	rVB	97902	220561	3.25%	0.238%
42	18.358	2636	2642	2647	rBV5	71024	158735	2.34%	0.172%
43	18.423	2648	2653	2658	rVV2	981155	1552114	22.86%	1.678%
44	18.476	2658	2662	2669	rVB	689634	1047366	15.43%	1.132%
45	18.558	2671	2676	2680	rBV2	113646	176240	2.60%	0.191%
46	18.617	2680	2686	2690	rBV3	591095	1110572	16.36%	1.200%
47	18.658	2690	2693	2699	rVB	432030	610474	8.99%	0.660%
48	18.822	2716	2721	2725	rVB3	90399	150166	2.21%	0.162%
49	18.922	2733	2738	2742	rBV2	285733	422548	6.22%	0.457%
50	18.969	2742	2746	2755	rVB3	236817	471999	6.95%	0.510%
51	19.086	2761	2766	2771	rBV4	64285	124153	1.83%	0.134%
52	19.163	2771	2779	2784	rBV3	248254	498441	7.34%	0.539%
53	19.216	2784	2788	2791	rBV	301078	369105	5.44%	0.399%
54	19.257	2791	2795	2802	rVB2	201512	292495	4.31%	0.316%
55	19.339	2803	2809	2813	rBV	743030	1172056	17.26%	1.267%
56	19.392	2813	2818	2822	rVV5	241959	474153	6.98%	0.513%
57	19.427	2822	2824	2828	rVB	240035	273081	4.02%	0.295%
58	19.480	2828	2833	2839	rBV3	331034	752218	11.08%	0.813%
59	19.603	2846	2854	2860	rVB	2070086	3087553	45.48%	3.338%
60	19.656	2860	2863	2866	rBV2	159430	232671	3.43%	0.252%
61	19.692	2866	2869	2875	rVB2	413199	579410	8.53%	0.626%
62	19.756	2876	2880	2884	rBV2	158680	207603	3.06%	0.224%
63	19.797	2884	2887	2890	rVB5	87505	102828	1.51%	0.111%
64	19.844	2891	2895	2898	rBV3	121668	184332	2.72%	0.199%
65	19.938	2904	2911	2914	rBV	2271599	3807572	56.09%	4.116%
66	19.968	2914	2916	2923	rVB	2562379	3293682	48.52%	3.560%
67	20.038	2923	2928	2933	rVB2	389411	604361	8.90%	0.653%
68	20.091	2933	2937	2938	rBV4	77715	103403	1.52%	0.112%
69	20.126	2938	2943	2944	rBV5	80706	133673	1.97%	0.144%
70	20.197	2951	2955	2962	rVB5	186663	354899	5.23%	0.384%
71	20.291	2964	2971	2979	rBV5	360067	974071	14.35%	1.053%

LSC Area Percent Report

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Data File : BG023613.D
Acq On : 11 Aug 2016 4:30
Operator : UM/SJ
Sample : H4384-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS001-0612-01

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_G\METHODS\SOM02.2-EPA-BG080416.M
Title : SVOA CALIBRATION

72	20.449	2989	2998	3007	rVB	504398	1436747	21.16%	1.553%
73	20.561	3013	3017	3020	rVV	176400	261460	3.85%	0.283%
74	20.614	3021	3026	3030	rVV2	526533	768386	11.32%	0.831%
75	20.755	3046	3050	3054	rBV	489886	700425	10.32%	0.757%
76	20.802	3054	3058	3061	rVV	437716	653387	9.62%	0.706%
77	20.843	3061	3065	3071	rVB	5211805	6788850	100.00%	7.339%
78	21.236	3128	3132	3139	rVB2	365200	667433	9.83%	0.721%
79	21.336	3146	3149	3154	rVB2	132268	200273	2.95%	0.216%
80	21.430	3156	3165	3169	rVV4	338004	901701	13.28%	0.975%
81	21.471	3169	3172	3176	rVV	334904	522685	7.70%	0.565%
82	21.524	3177	3181	3187	rVV3	236624	509385	7.50%	0.551%
83	21.589	3187	3192	3201	rVB2	269523	672368	9.90%	0.727%
84	21.724	3211	3215	3221	rVB	582792	819258	12.07%	0.886%
85	21.865	3230	3239	3244	rBV3	2208408	5466845	80.53%	5.909%
86	21.918	3244	3248	3261	rVB	1093035	1998317	29.44%	2.160%
87	22.024	3261	3266	3271	rBV6	109328	200071	2.95%	0.216%
88	22.153	3283	3288	3293	rBV4	167710	378674	5.58%	0.409%
89	22.212	3294	3298	3304	rVB3	358967	630620	9.29%	0.682%
90	22.541	3349	3354	3360	rVB6	165125	321891	4.74%	0.348%
91	22.629	3360	3369	3374	rBV	369813	863614	12.72%	0.934%
92	22.922	3414	3419	3423	rBV3	194166	327349	4.82%	0.354%
93	24.180	3625	3633	3640	rBV3	780501	2540974	37.43%	2.747%
94	24.943	3760	3763	3770	rVB2	260515	516328	7.61%	0.558%
95	25.031	3771	3778	3784	rVV3	808466	2155047	31.74%	2.330%
96	25.102	3785	3790	3800	rVB	636217	1675391	24.68%	1.811%
97	25.266	3808	3818	3826	rBV3	1068738	3051678	44.95%	3.299%
98	29.143	4468	4478	4500	rVB5	292948	1606843	23.67%	1.737%
99	29.608	4550	4557	4563	rBV9	72607	262423	3.87%	0.284%
100	30.348	4677	4683	4684	rBV6	127282	210585	3.10%	0.228%

Sum of corrected areas: 92509639

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Acq On : 11 Aug 2016 4:30
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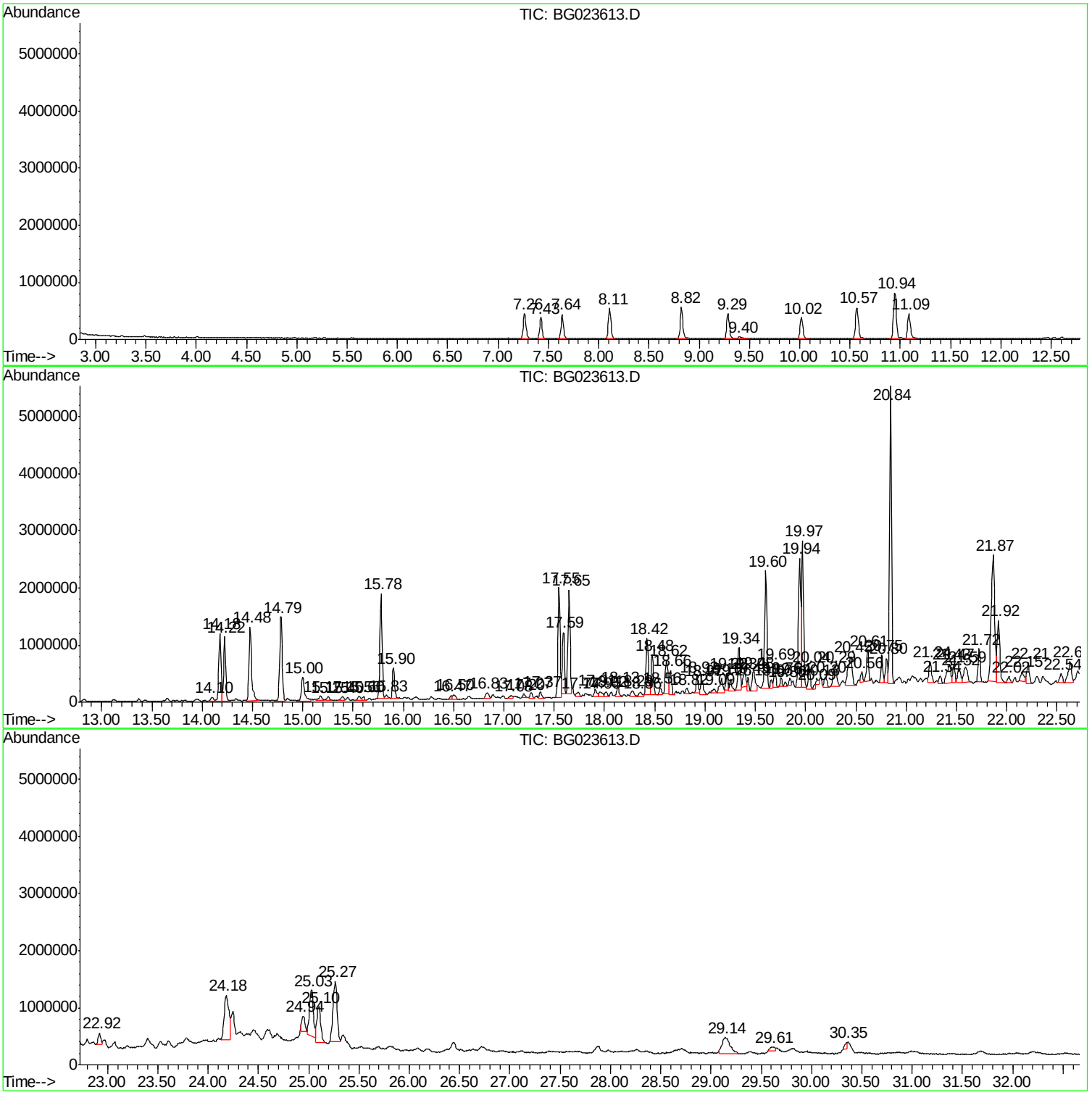
Sample : H4384-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P001-SS001-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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Data File : BG023613.D
Acq On : 11 Aug 2016 4:30
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Instrument : BNA_G
ClientSampleId : P001-SS001-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

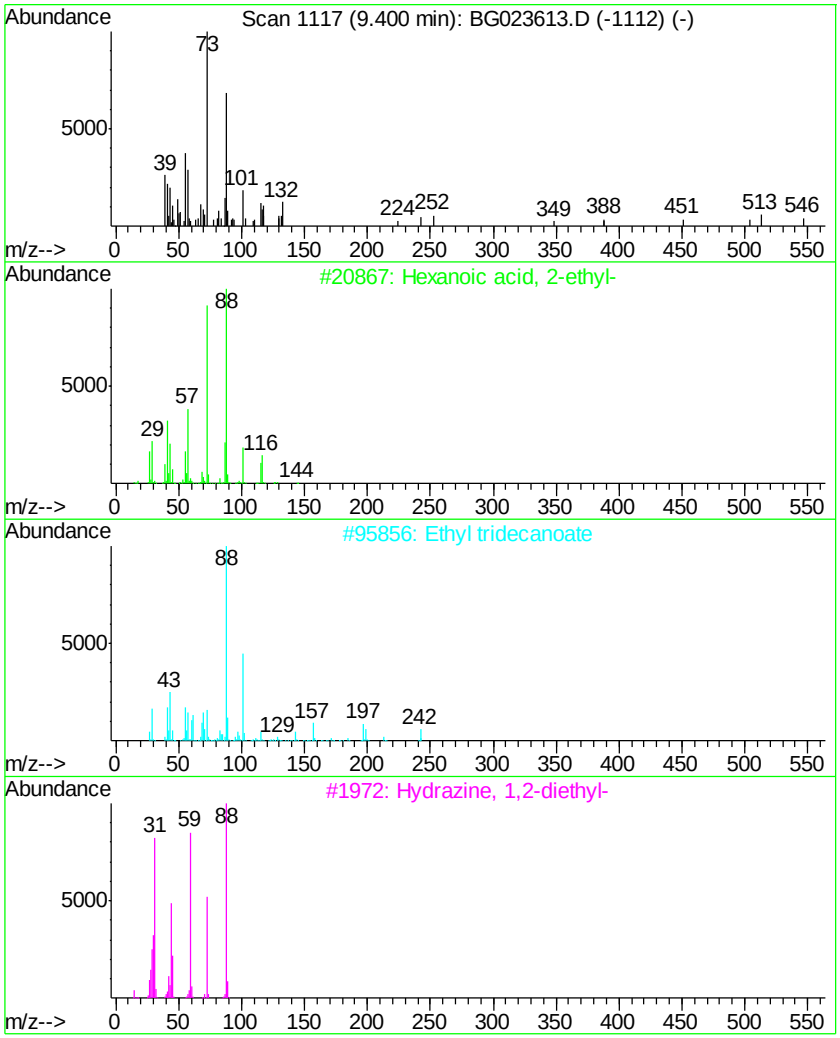
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

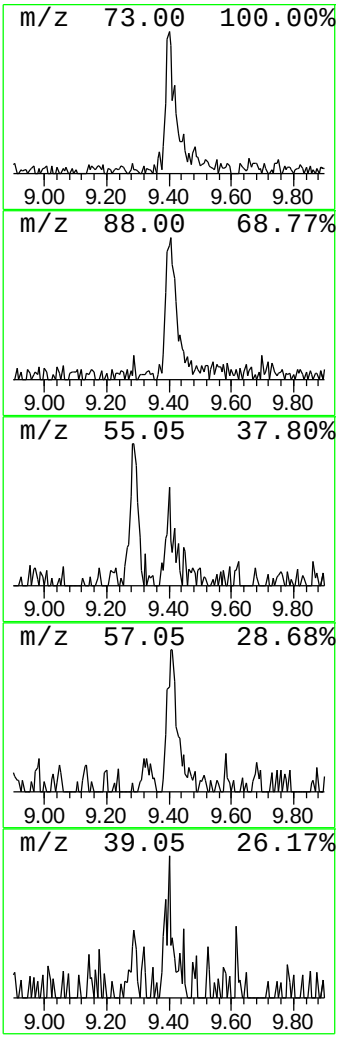
****

Peak Number 1 Hexanoic acid, 2-ethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.40	2.11 ng/ul	96127	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	38
2	Ethyl tridecanoate	242	C15H30O2	028267-29-0	38
3	Hydrazine, 1,2-diethyl-	88	C4H12N2	001615-80-1	38
4	Ethyl tridecanoate	242	C15H30O2	028267-29-0	32
5	Undecanoic acid, 11-bromo-ethyle...	292	C13H25BrO2	1000289-35-0	32





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Acq On : 11 Aug 2016 4:30
Operator : UM/SJ
Sample : H4384-03
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ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS001-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

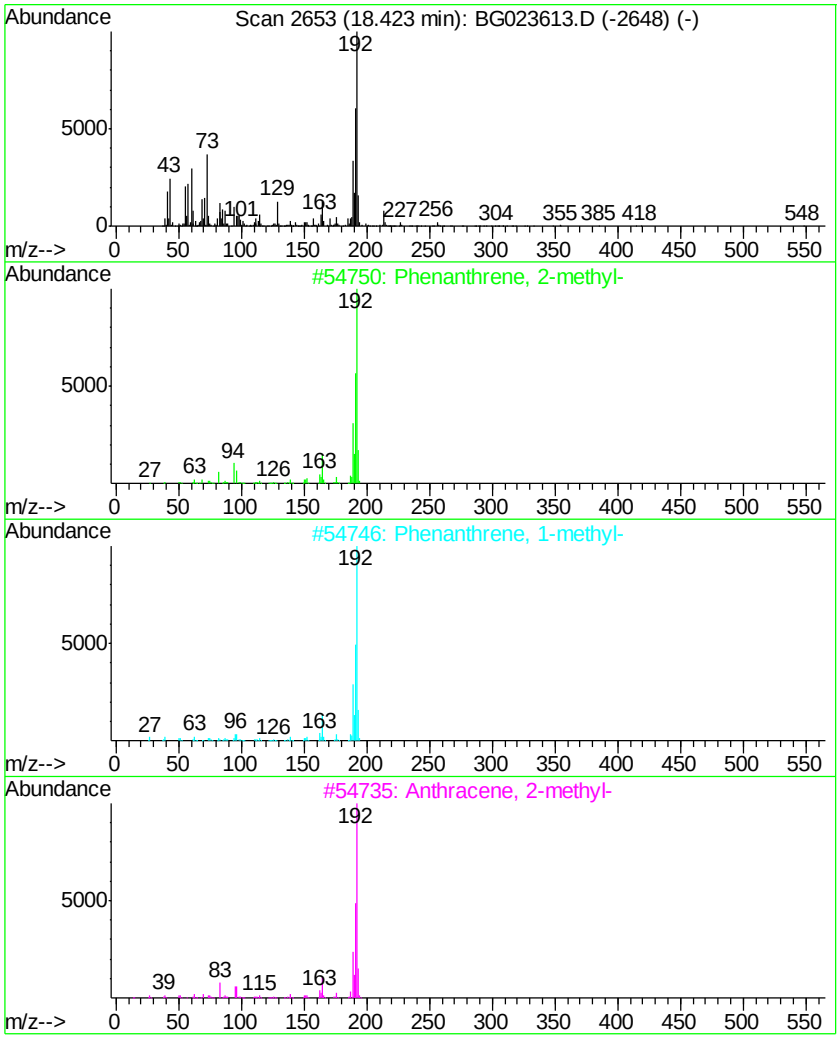
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

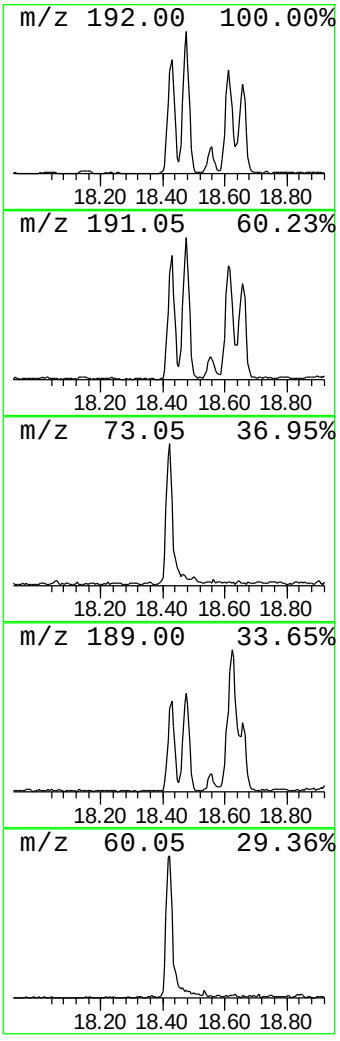
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	10.25 ng/ul	1552110	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92





Library Search Compound Report

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Instrument : BNA_G
ClientSampleId : P001-SS001-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

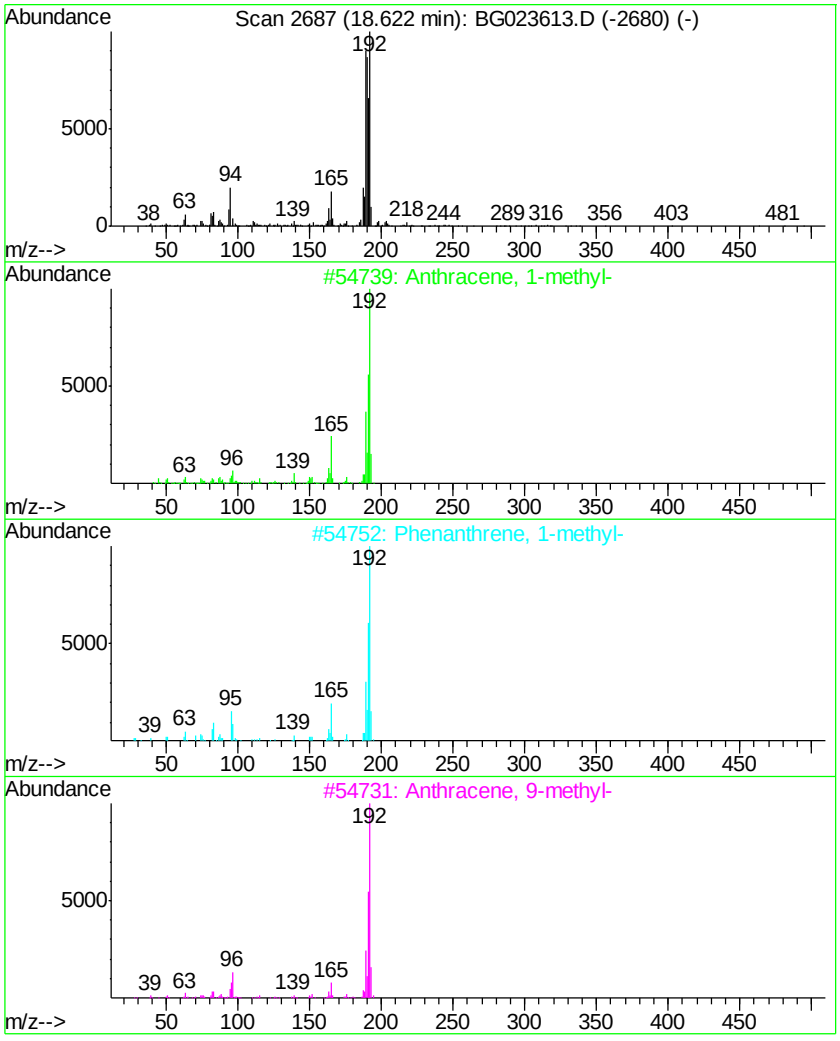
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

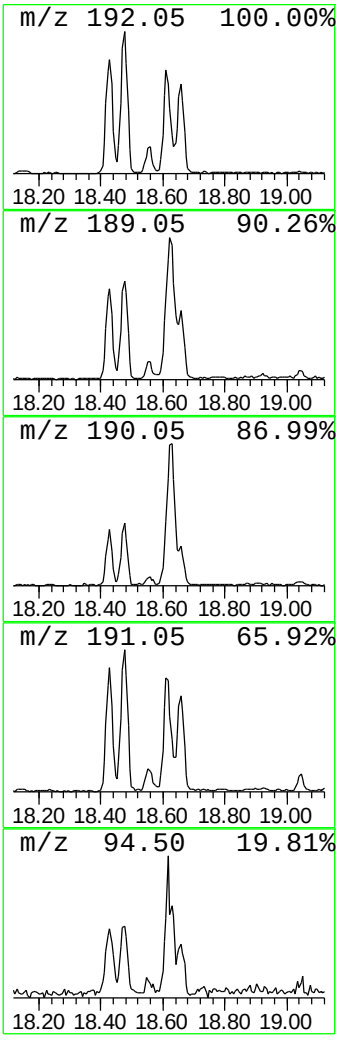
****

Peak Number 4 Anthracene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	7.33 ng/ul	1110570	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	55
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	55
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	49
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	49
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	49





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023613.D
Acq On : 11 Aug 2016 4:30
Operator : UM/SJ
Sample : H4384-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS001-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

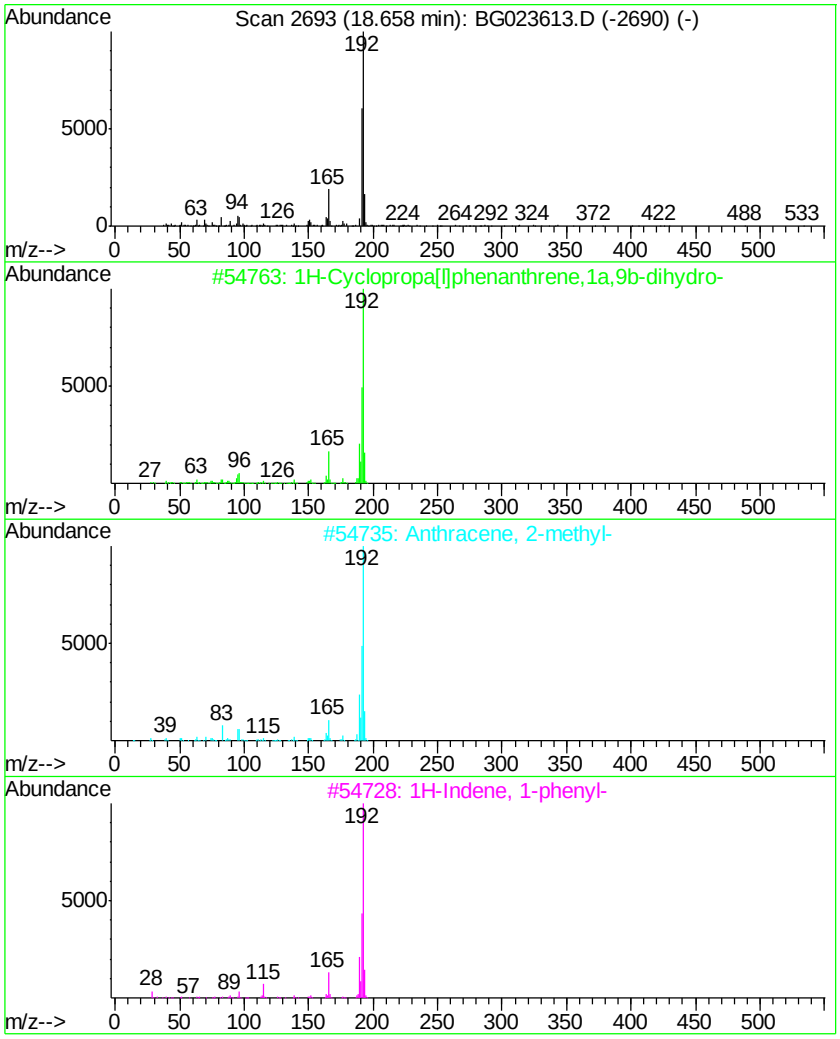
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

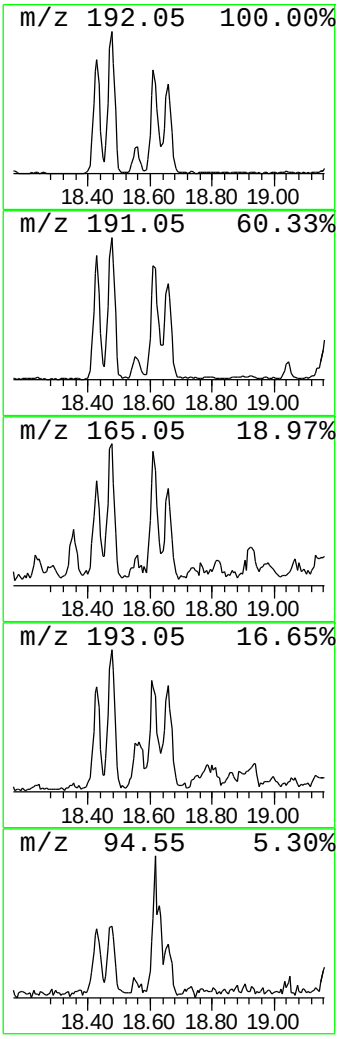
****

Peak Number 5 1H-Cyclopropa[l]phenanthren... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	4.03 ng/ul	610474	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023613.D
Acq On : 11 Aug 2016 4:30
Operator : UM/SJ
Sample : H4384-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS001-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

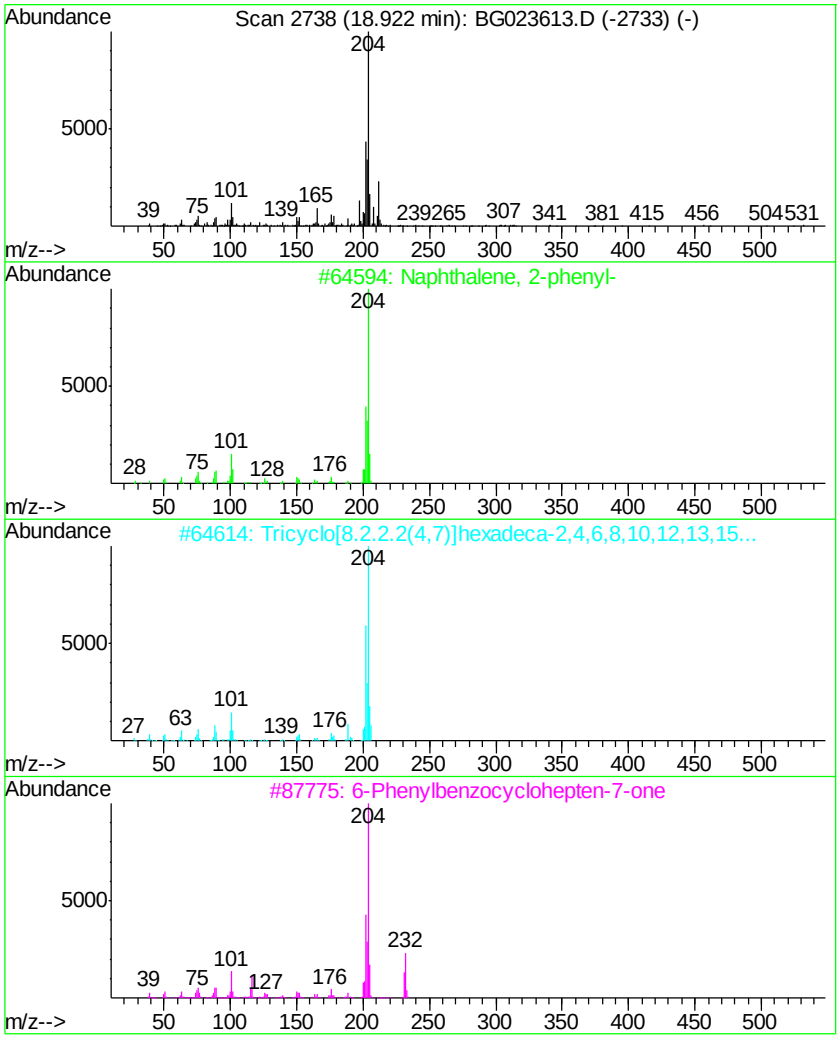
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

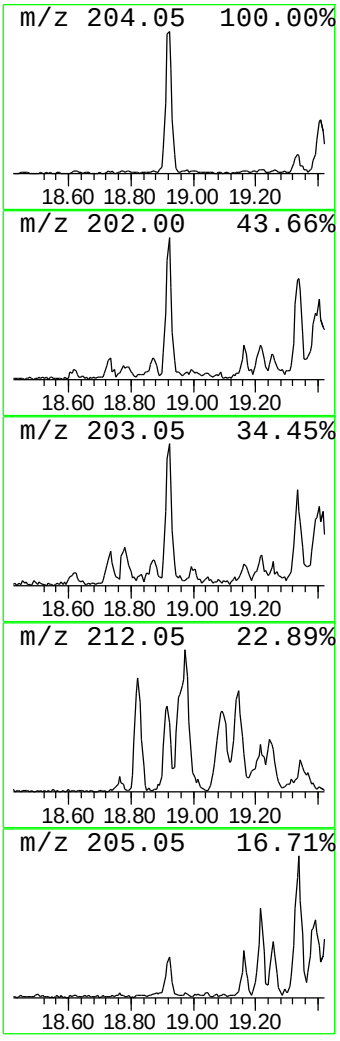
****

Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.92	2.79 ng/ul	422548	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	64
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49





Library Search Compound Report

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Acq On : 11 Aug 2016 4:30
Operator : UM/SJ
Sample : H4384-03
Misc :
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Instrument : BNA_G
ClientSampleId : P001-SS001-0612-01

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Quant Title : SVOA CALIBRATION

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

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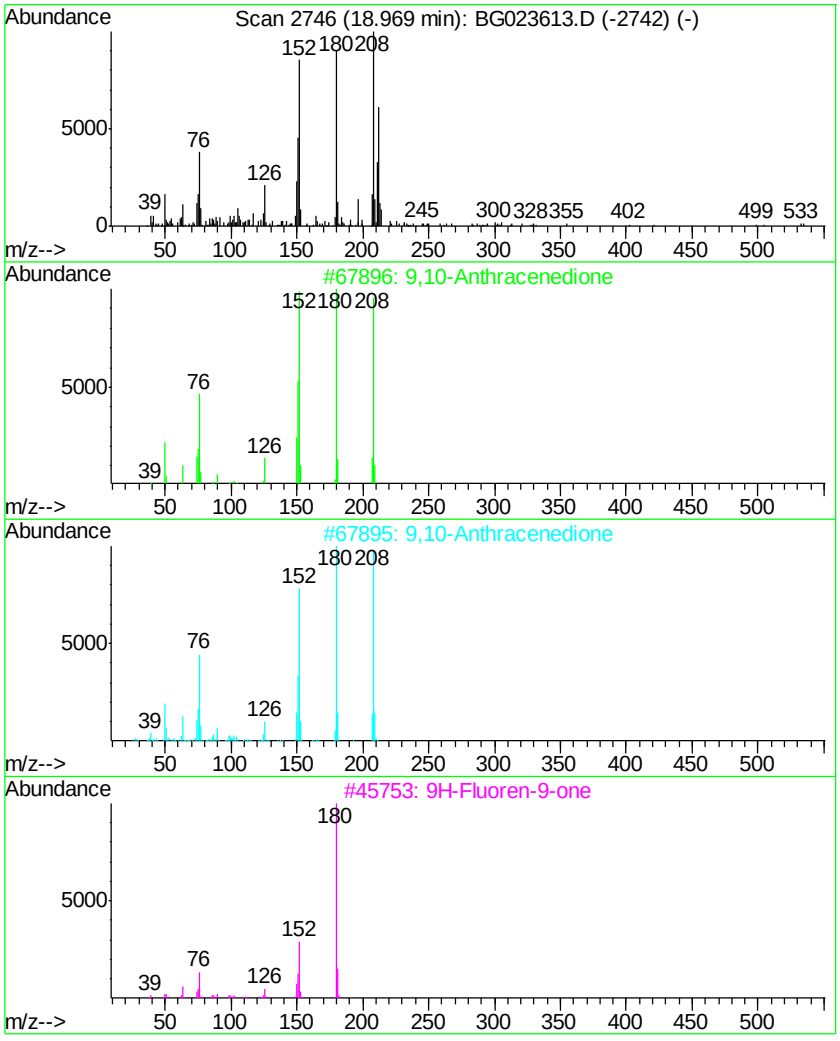
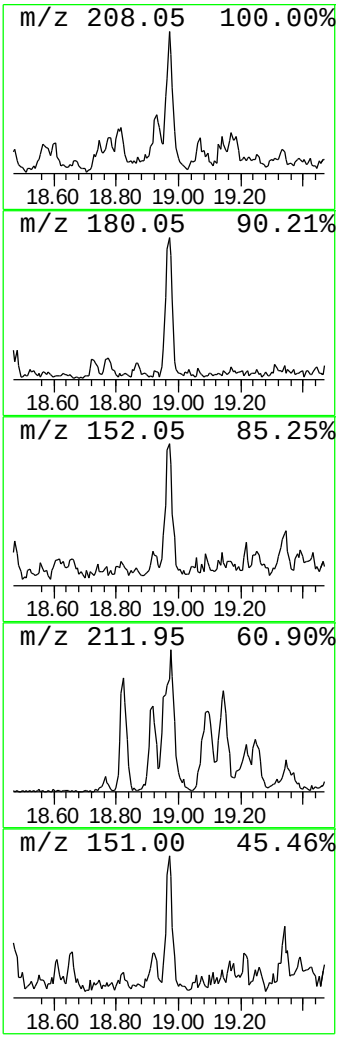
Peak Number 7 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	3.12 ng/ul	471999	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	60





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ClientSampleId : P001-SS001-0612-01

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Quant Title : SVOA CALIBRATION

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

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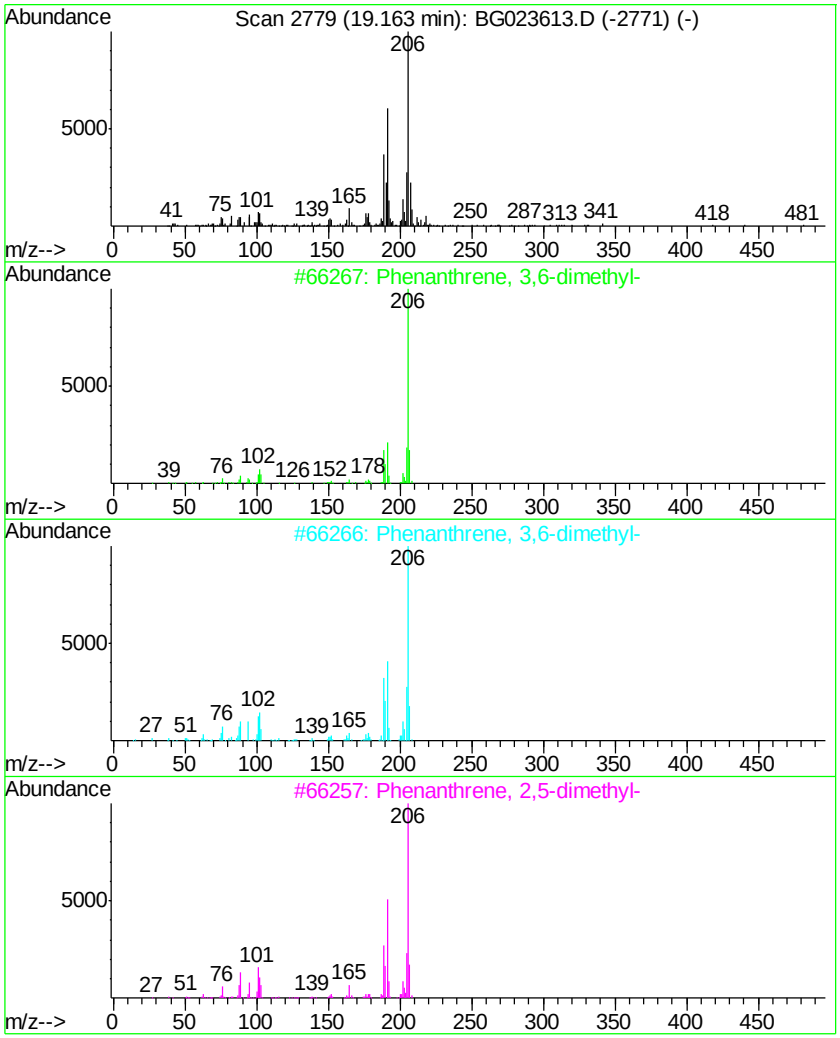
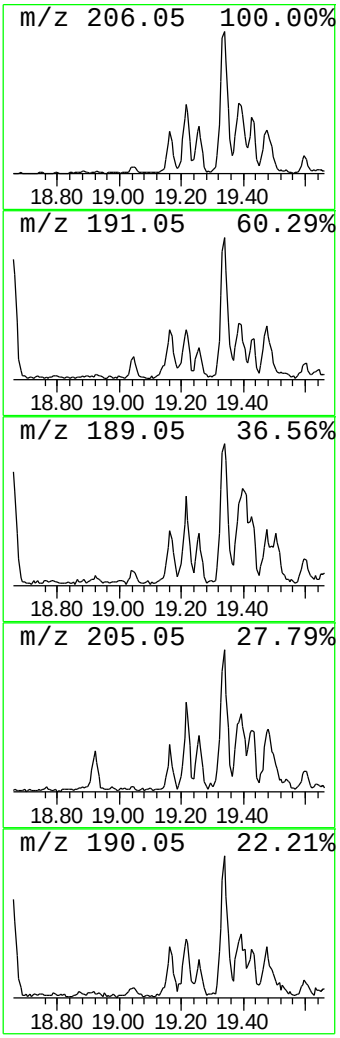
Peak Number 8 Phenanthrene, 3,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.16	3.29 ng/ul	498441	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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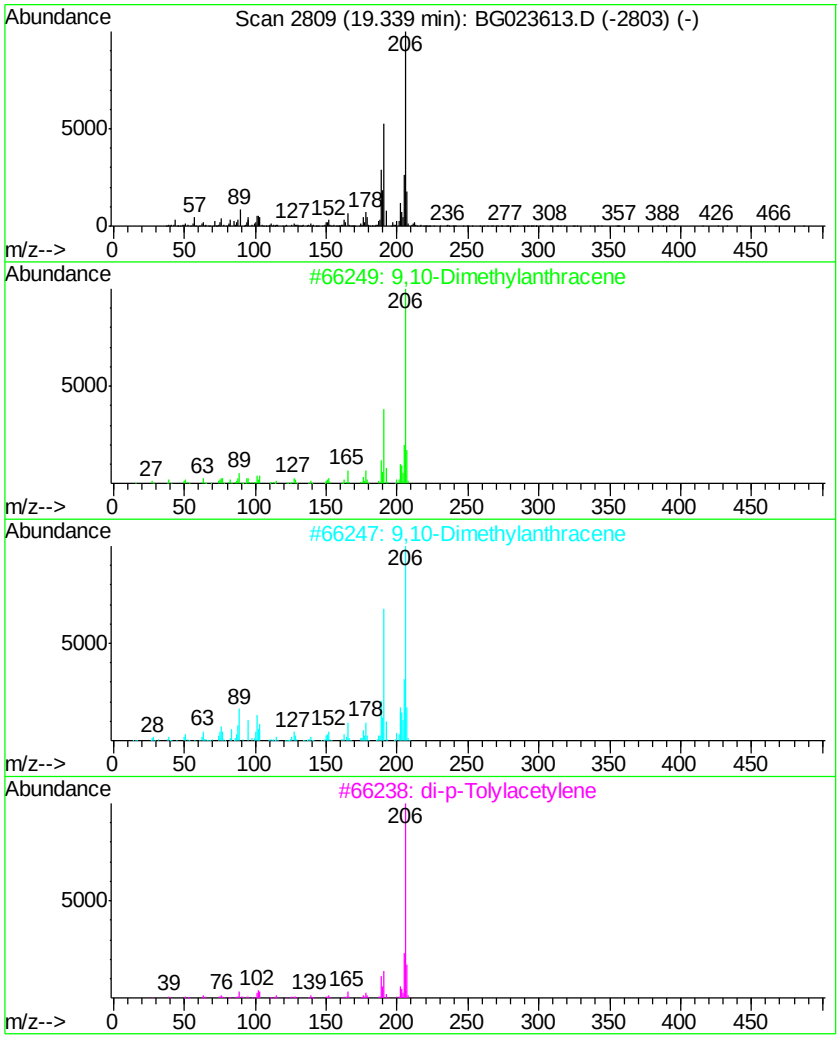
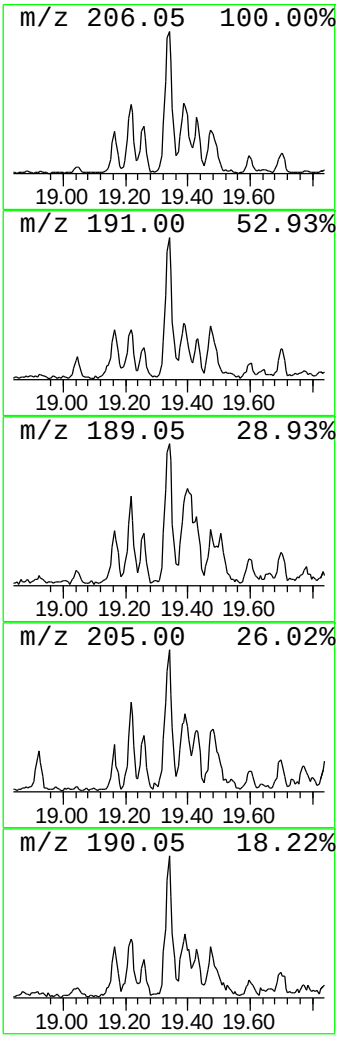
Peak Number 10 9,10-Dimethylanthracene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.34	7.74 ng/ul	1172060	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87





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Instrument : BNA_G
ClientSampleId : P001-SS001-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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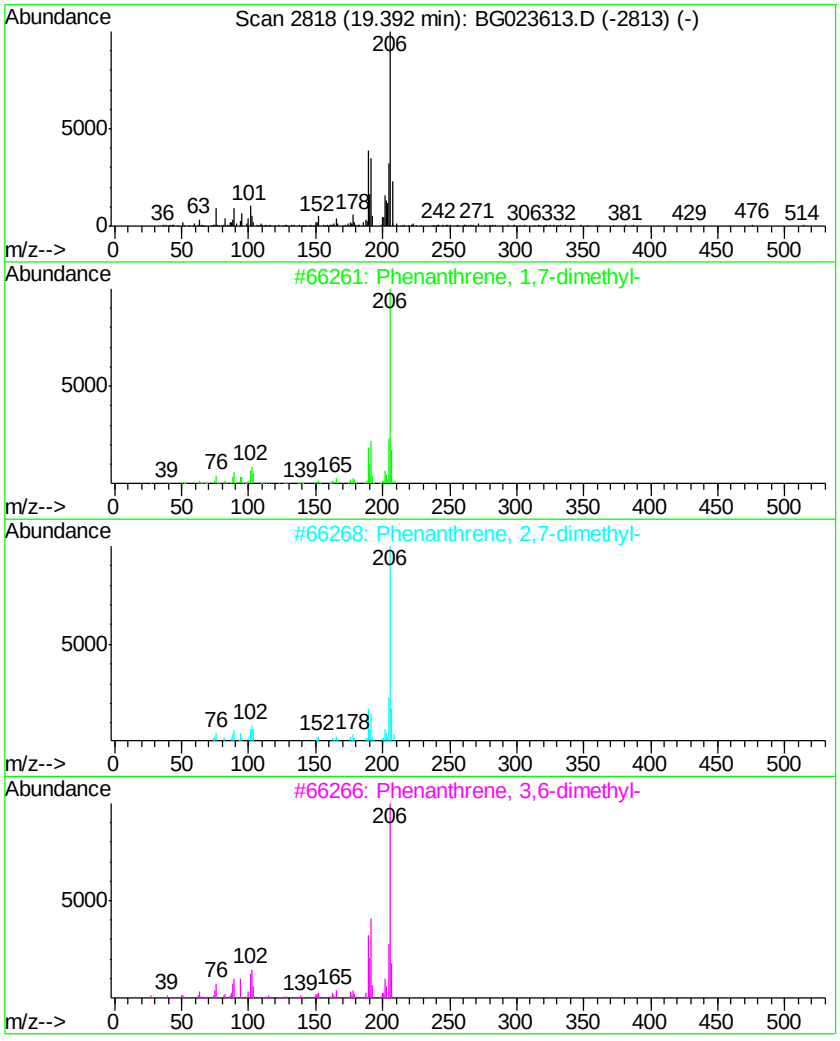
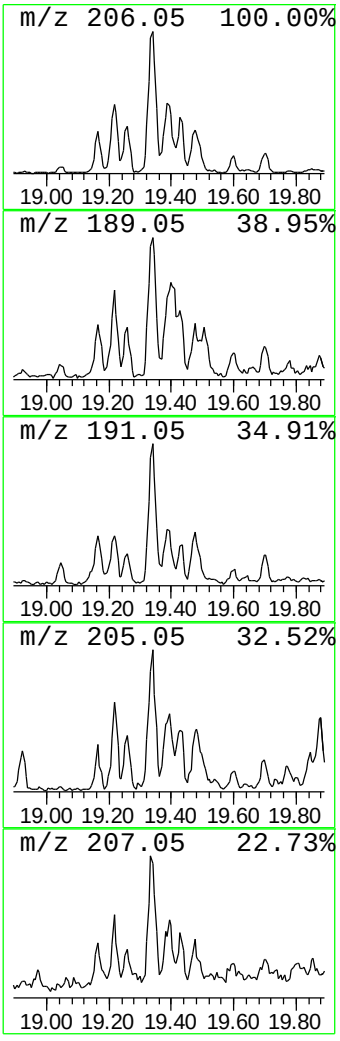
Peak Number 11 Phenanthrene, 1,7-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.39	3.13 ng/ul	474153	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	86





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Quant Title : SVOA CALIBRATION

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

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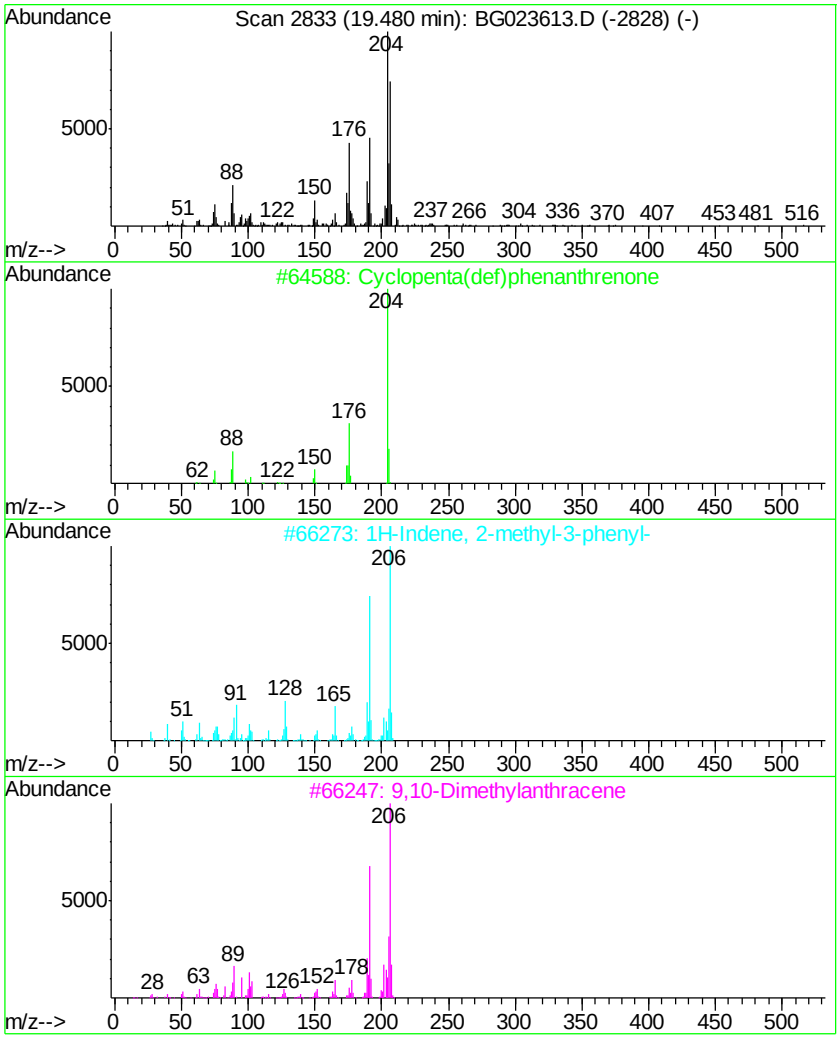
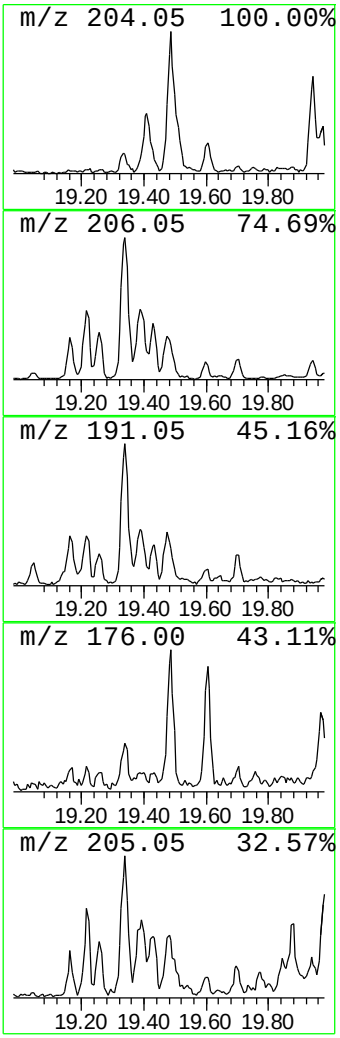
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.48	4.97 ng/ul	752218	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	86
2	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	60
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	50
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	50
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	50





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ClientSampleId : P001-SS001-0612-01

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Quant Title : SVOA CALIBRATION

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

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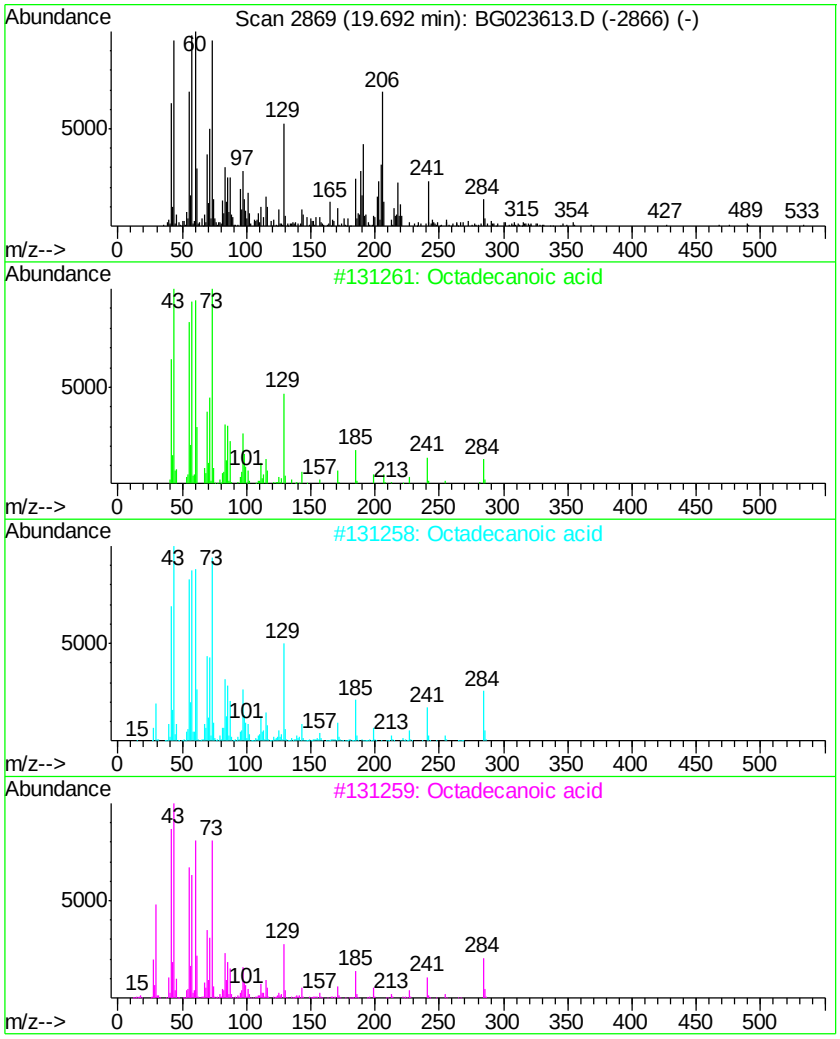
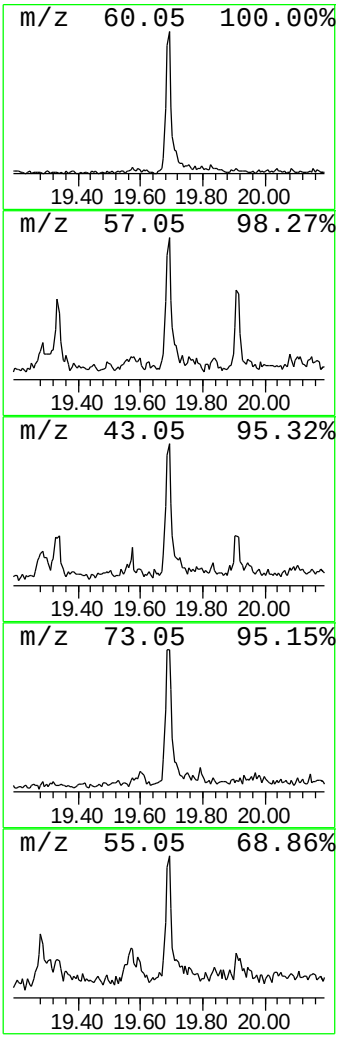
Peak Number 13 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.69	3.83 ng/ul	579410	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	97
2	Octadecanoic acid	284	C18H36O2	000057-11-4	92
3	Octadecanoic acid	284	C18H36O2	000057-11-4	86
4	Octadecanoic acid	284	C18H36O2	000057-11-4	60
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	55





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Quant Title : SVOA CALIBRATION

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

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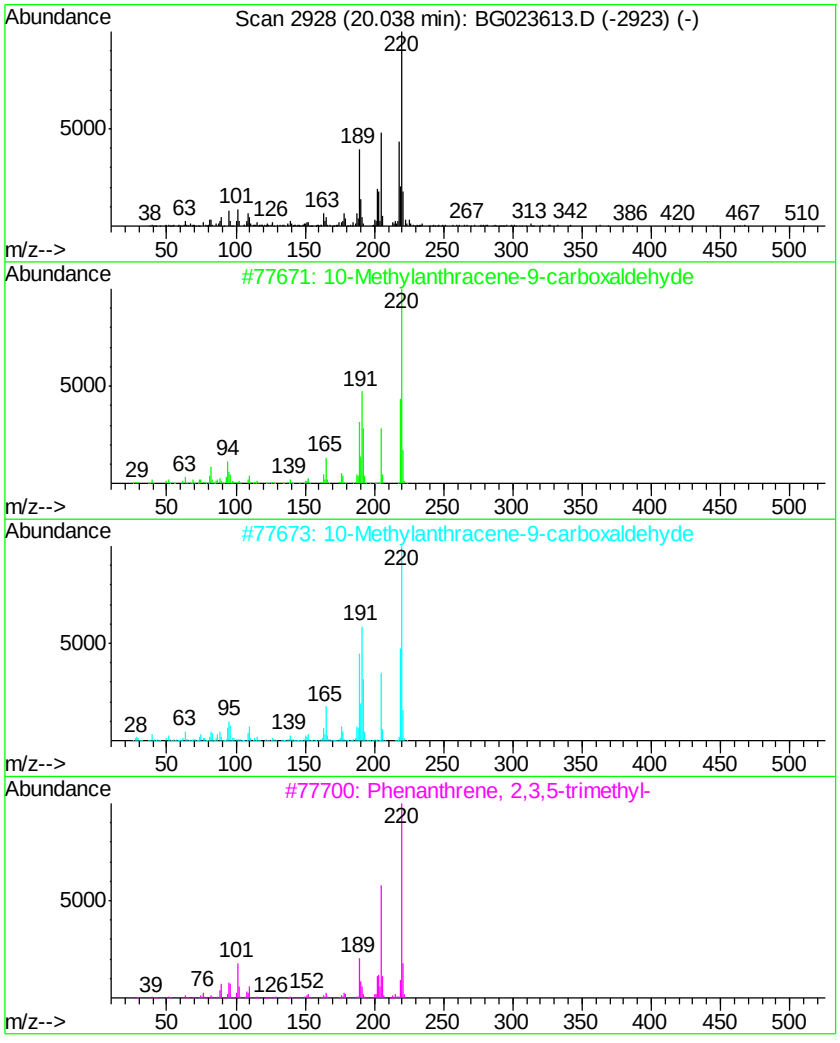
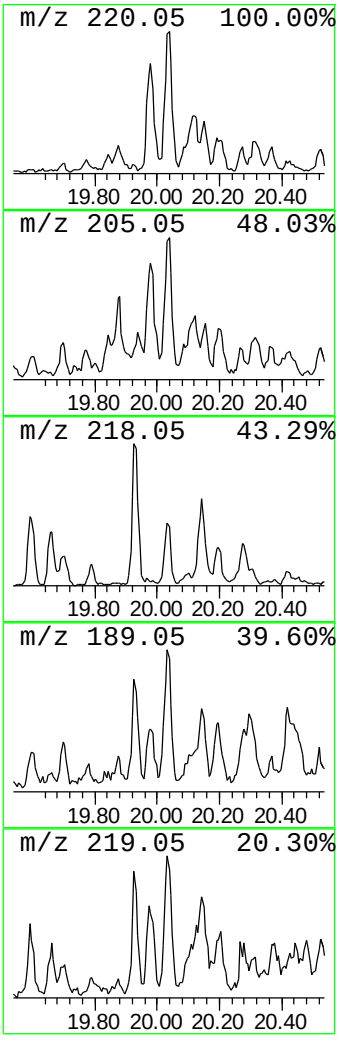
Peak Number 14 10-Methylanthracene-9-carbo... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	2.21 ng/ul	604361	Chrysene-d12	21.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Methylanthracene-9-carboxalde...	220	C16H12O	007072-00-6	53
2	10-Methylanthracene-9-carboxalde...	220	C16H12O	007072-00-6	49
3	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	47
4	1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	45
5	5-(2,5-Dimethoxy-phenyl)-2H-pyra...	220	C11H12N2O3	1000278-26-9	43





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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

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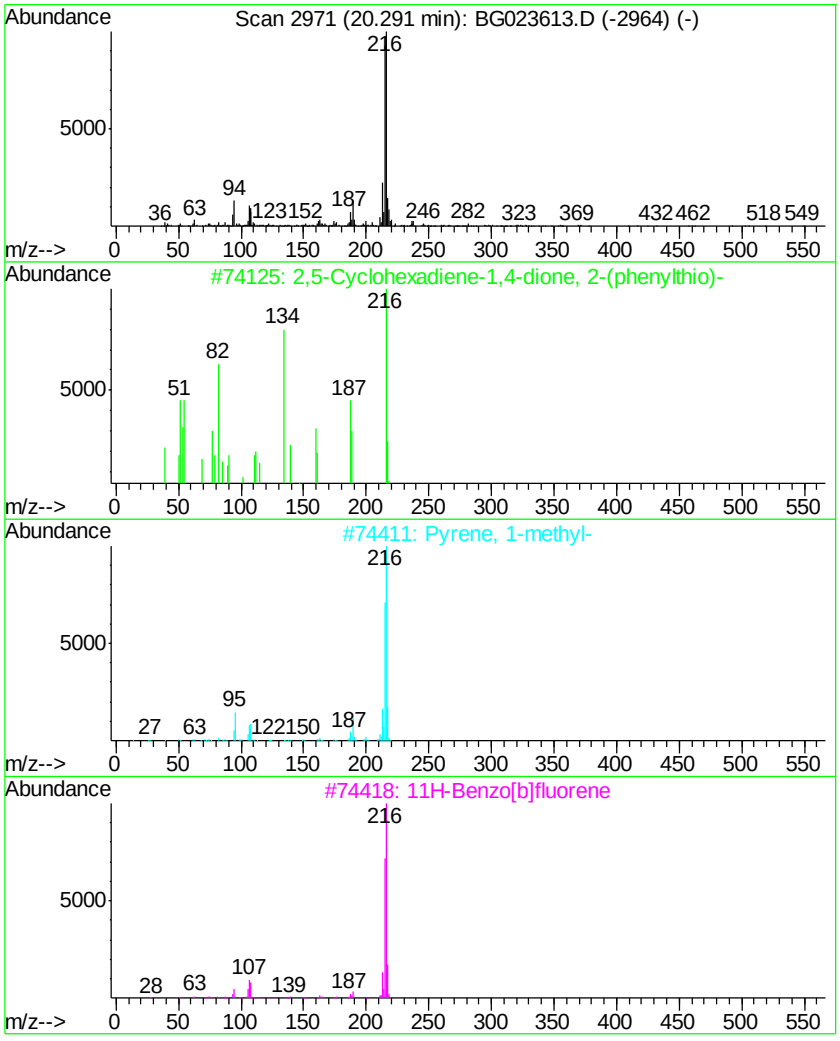
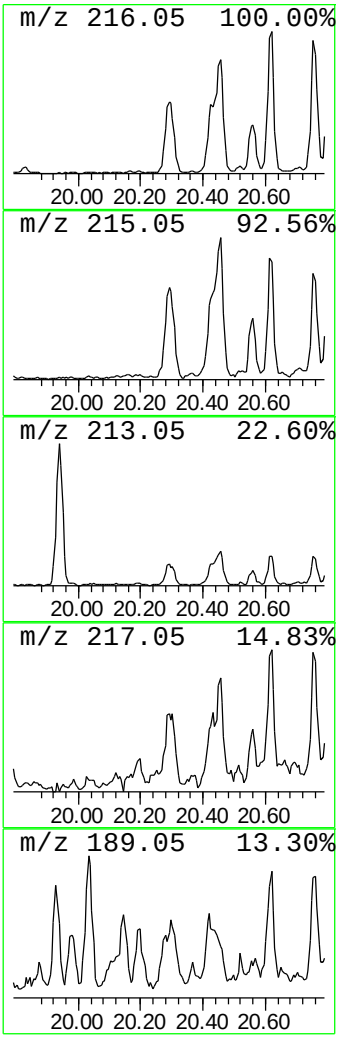
Peak Number 15 2,5-Cyclohexadiene-1,4-dion... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.29	3.56 ng/ul	974071	Chrysene-d12	21.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Cyclohexadiene-1,4-dione, 2-...	216	C12H8O2S	018232-03-6	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.45	5.26 ng/ul	1436750	Chrysene-d12	21.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
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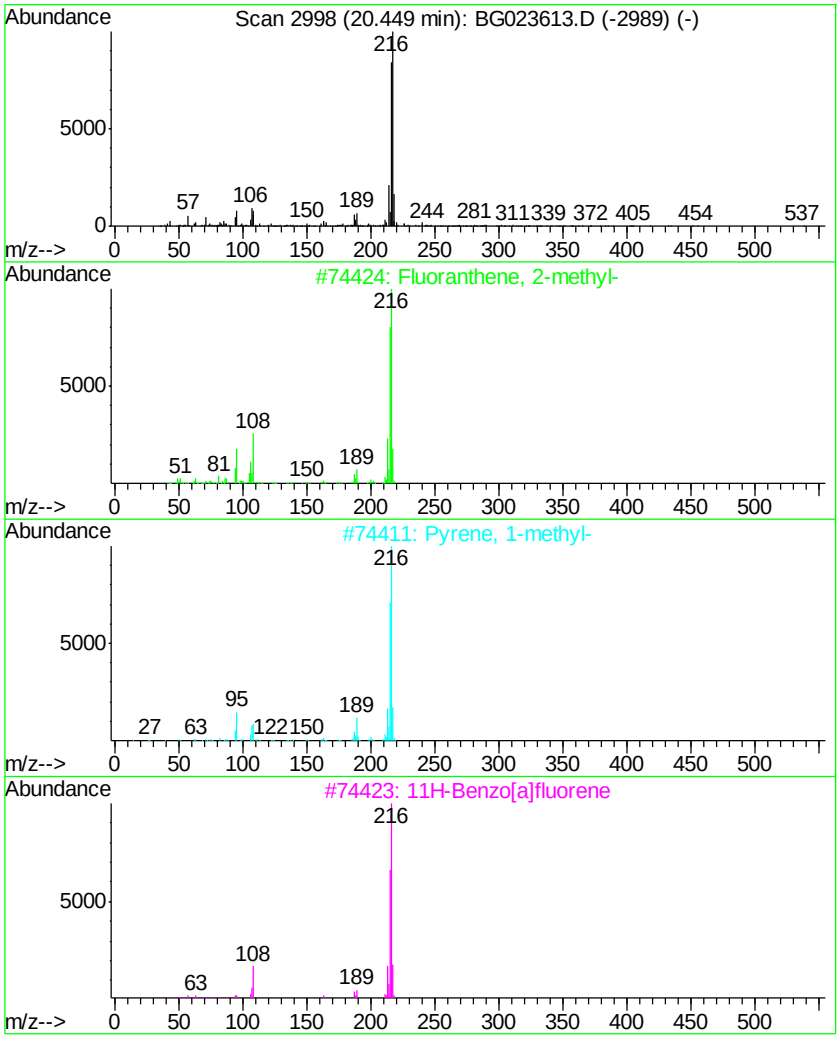

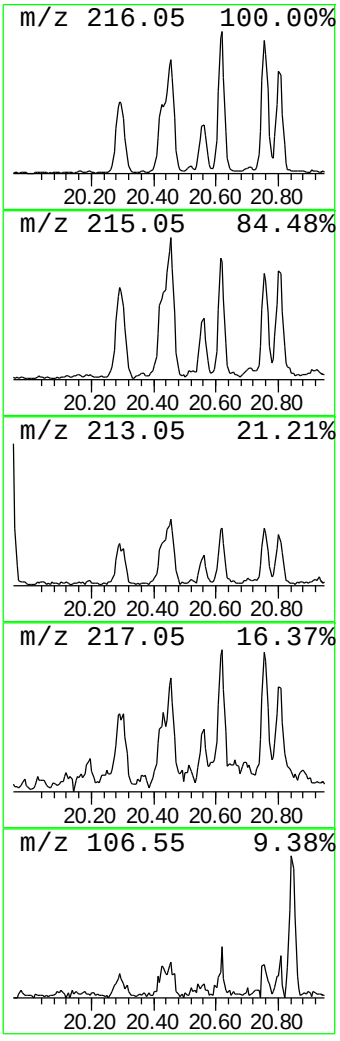

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Quant Title : SVOA CALIBRATION

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

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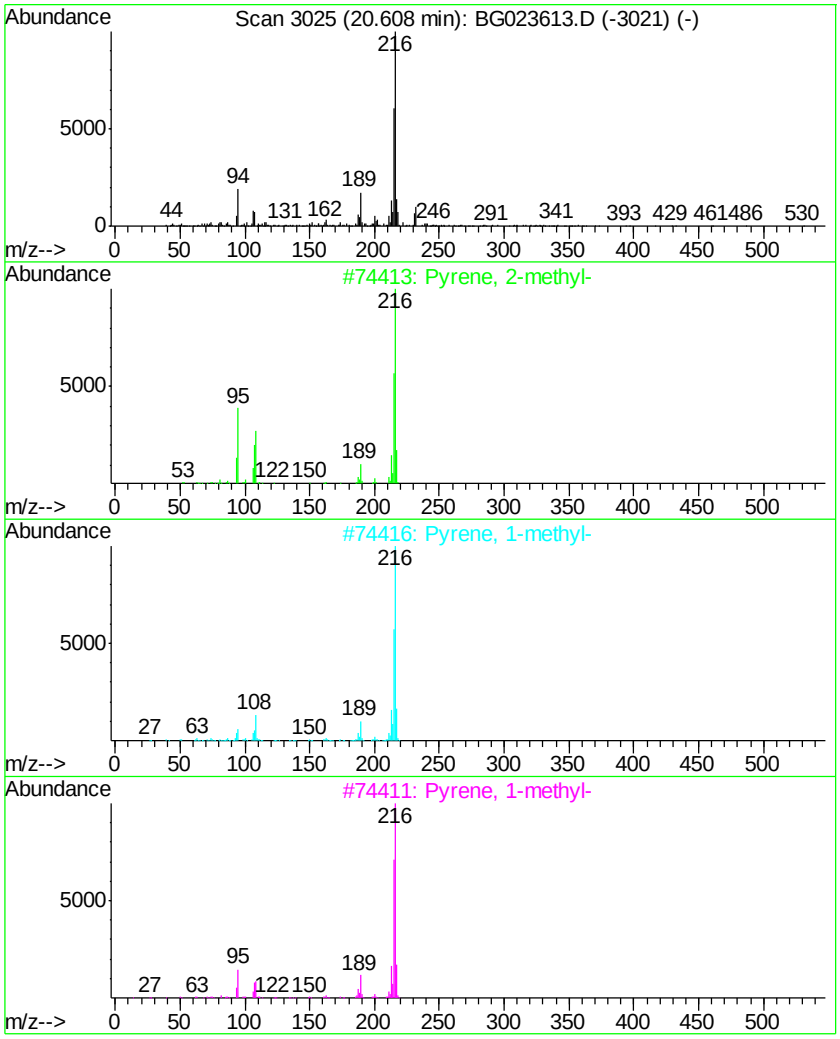
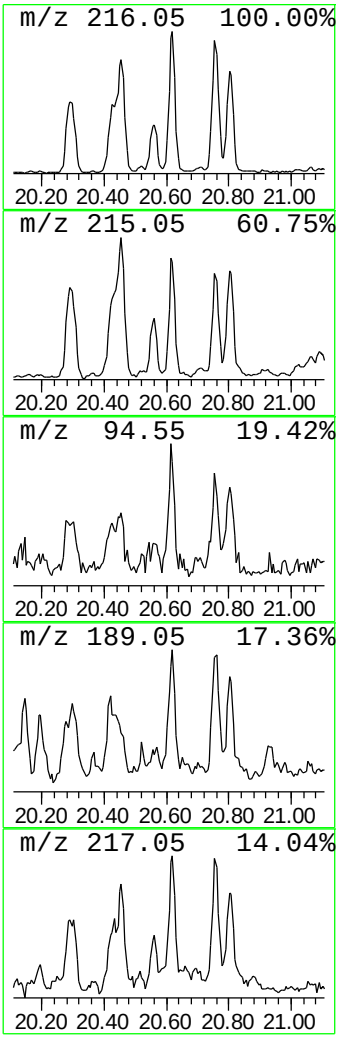
Peak Number 17 Pyrene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.61	2.81 ng/ul	768386	Chrysene-d12	21.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91





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Quant Title : SVOA CALIBRATION

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

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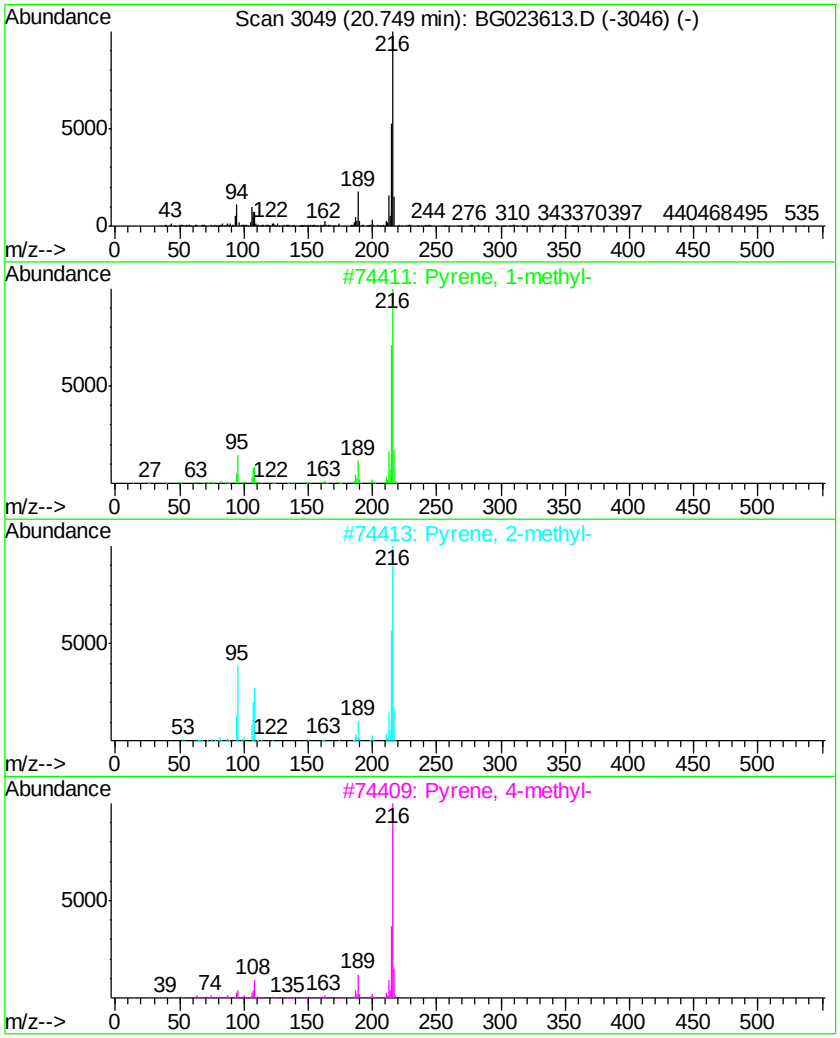
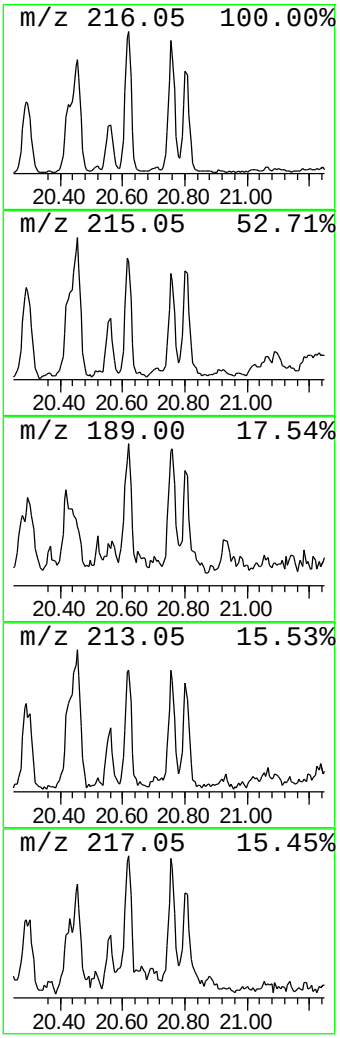
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.75	2.56 ng/ul	700425	Chrysene-d12	21.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93





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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS001-0612-01

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Quant Title : SVOA CALIBRATION

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

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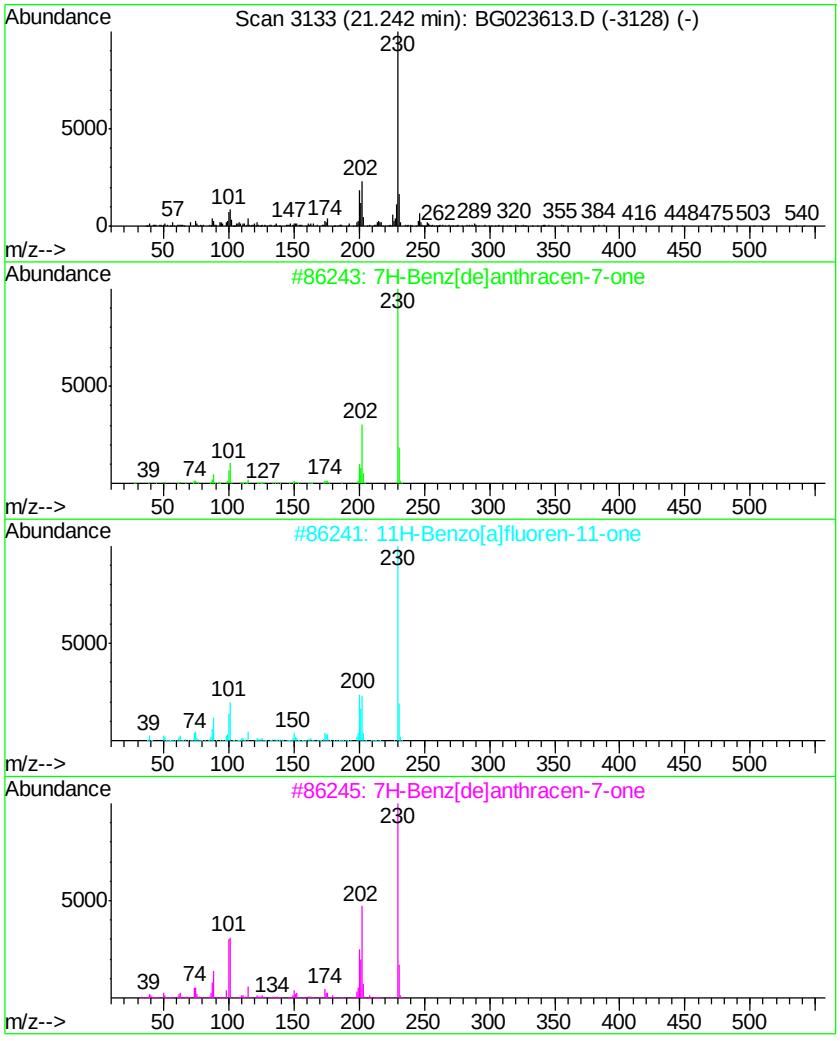
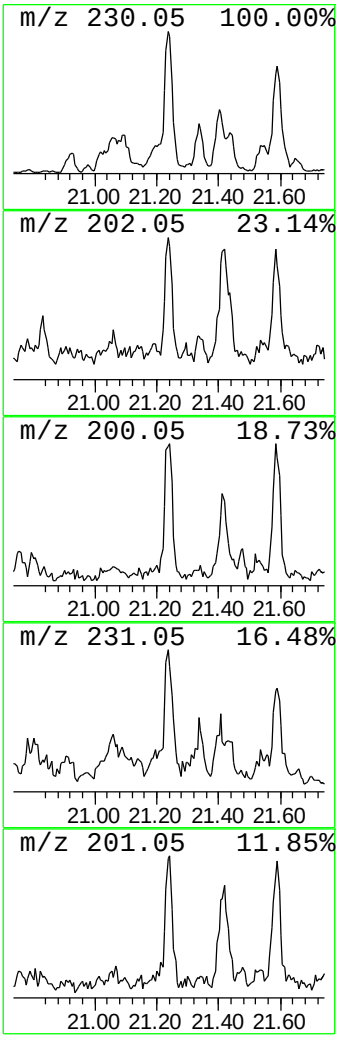
Peak Number 19 7H-Benz[de]anthracen-7-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.24	2.44 ng/ul	667433	Chrysene-d12	21.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	93
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76





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Data File : BG023613.D
Acq On : 11 Aug 2016 4:30
Operator : UM/SJ
Sample : H4384-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS001-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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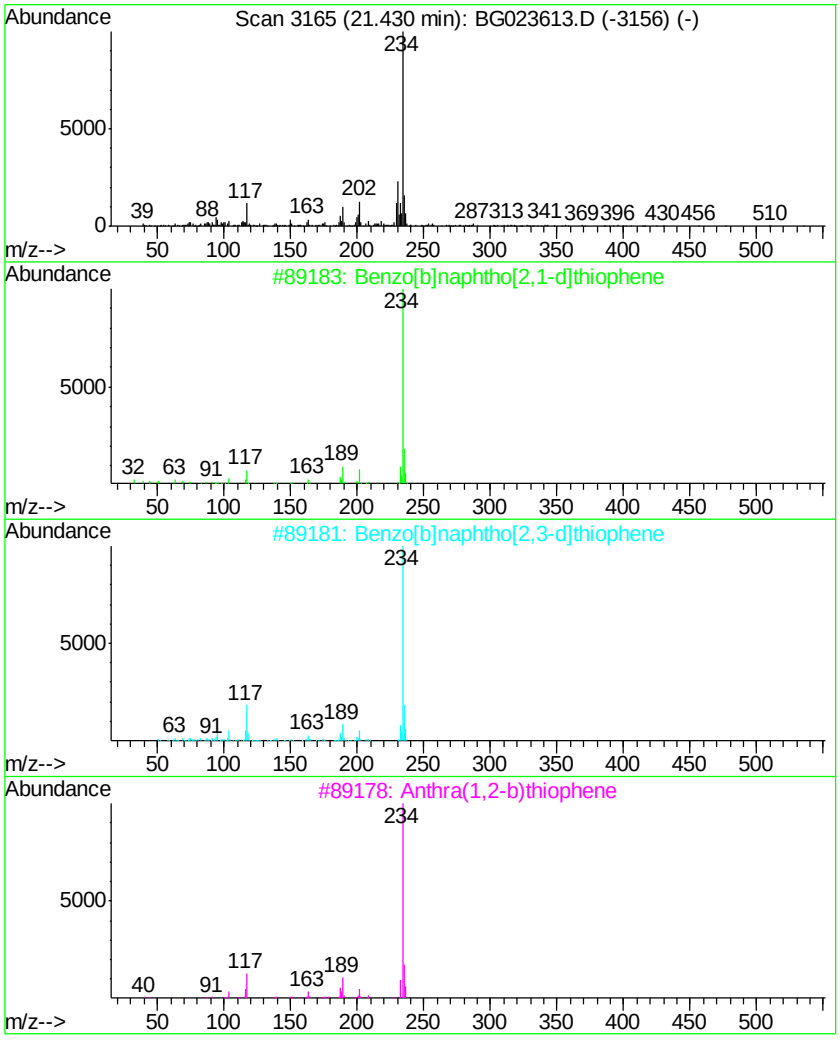
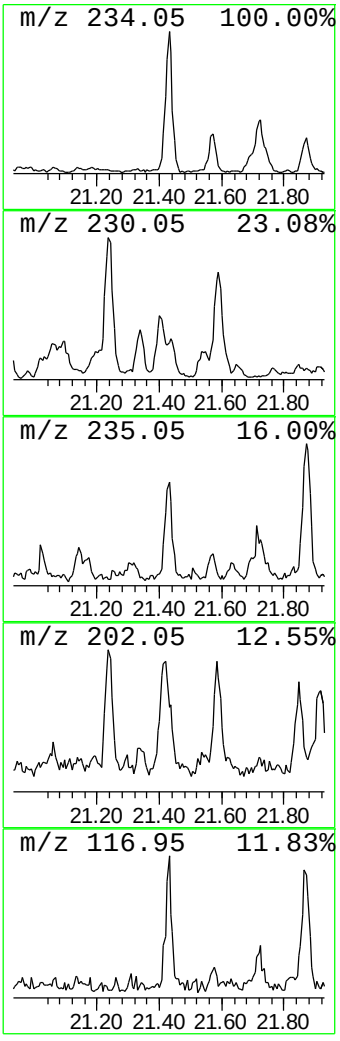
Peak Number 20 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.43	3.30 ng/ul	901701	Chrysene-d12	21.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
3	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	93
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	86





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023613.D
Acq On : 11 Aug 2016 4:30
Operator : UM/SJ
Sample : H4384-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS001-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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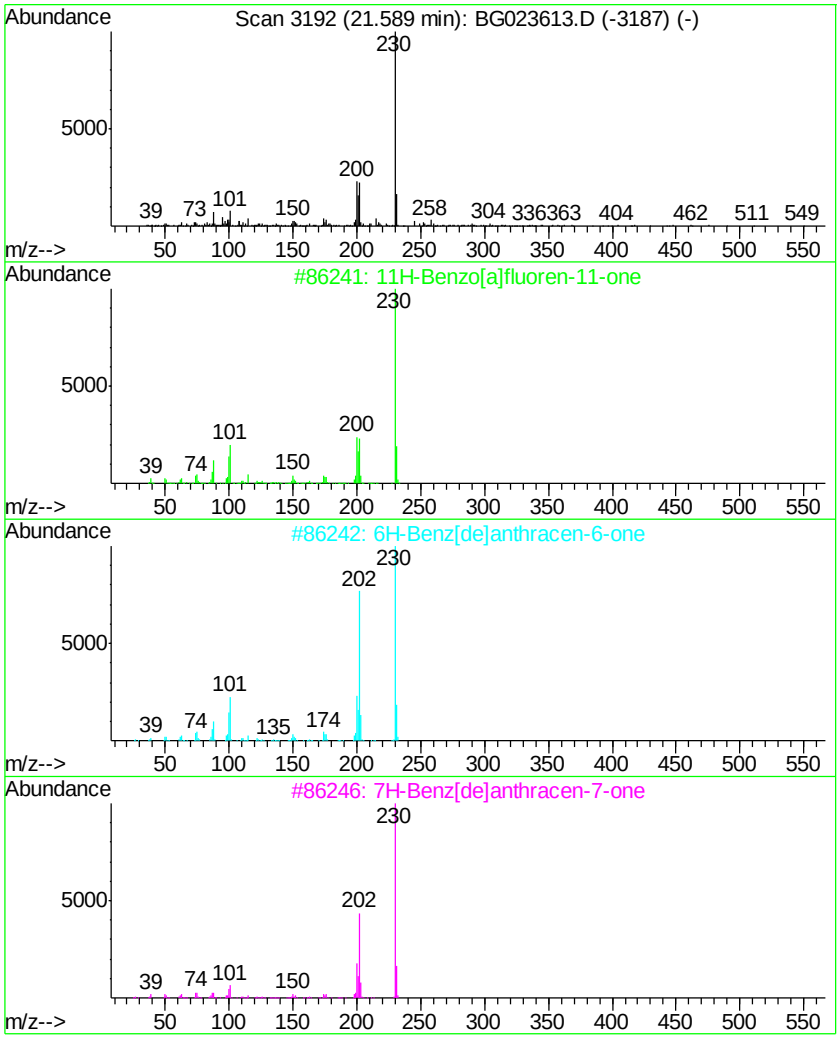
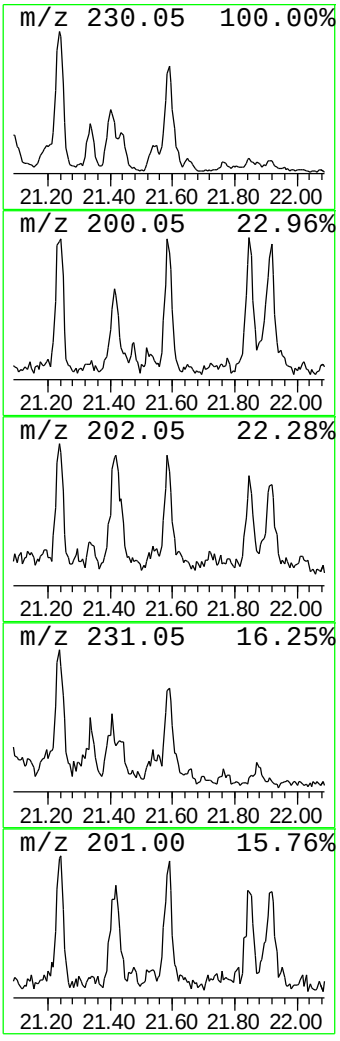
Peak Number 21 11H-Benzo[a]fluoren-11-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.59	2.46 ng/ul	672368	Chrysene-d12	21.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	90
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	76
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	58
5	p-Terphenyl	230	C18H14	000092-94-4	49





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023613.D
Acq On : 11 Aug 2016 4:30
Operator : UM/SJ
Sample : H4384-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS001-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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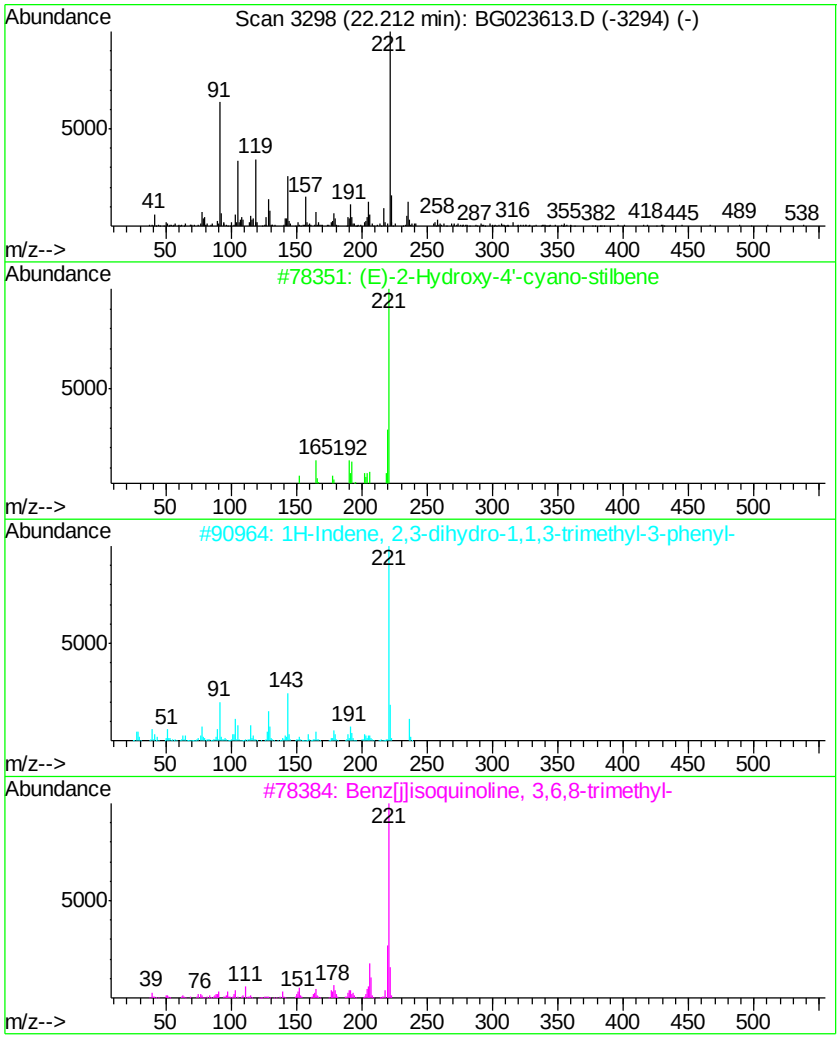
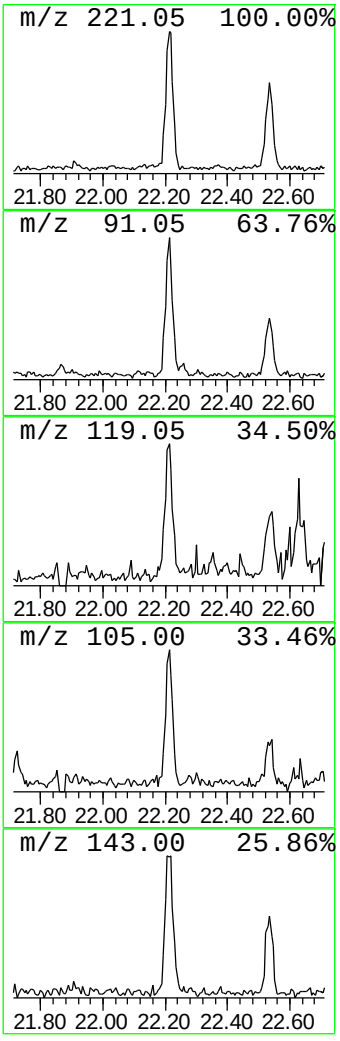
Peak Number 22 (E)-2-Hydroxy-4'-cyano-stil... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.21	2.31 ng/ul	630620	Chrysene-d12	21.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-2-Hydroxy-4'-cyano-stilbene	221	C15H11NO	1000147-85-5	60
2	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	52
3	Benz[j]isoquinoline, 3,6,8-trime...	221	C16H15N	061171-16-2	49
4	2-Pentene, 4-methyl-2,4-diphenyl-	236	C18H20	006258-73-7	47
5	3,4-Bis-(methylthio)-quinoline	221	C11H11NS2	074579-34-3	47





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023613.D
Acq On : 11 Aug 2016 4:30
Operator : UM/SJ
Sample : H4384-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P001-SS001-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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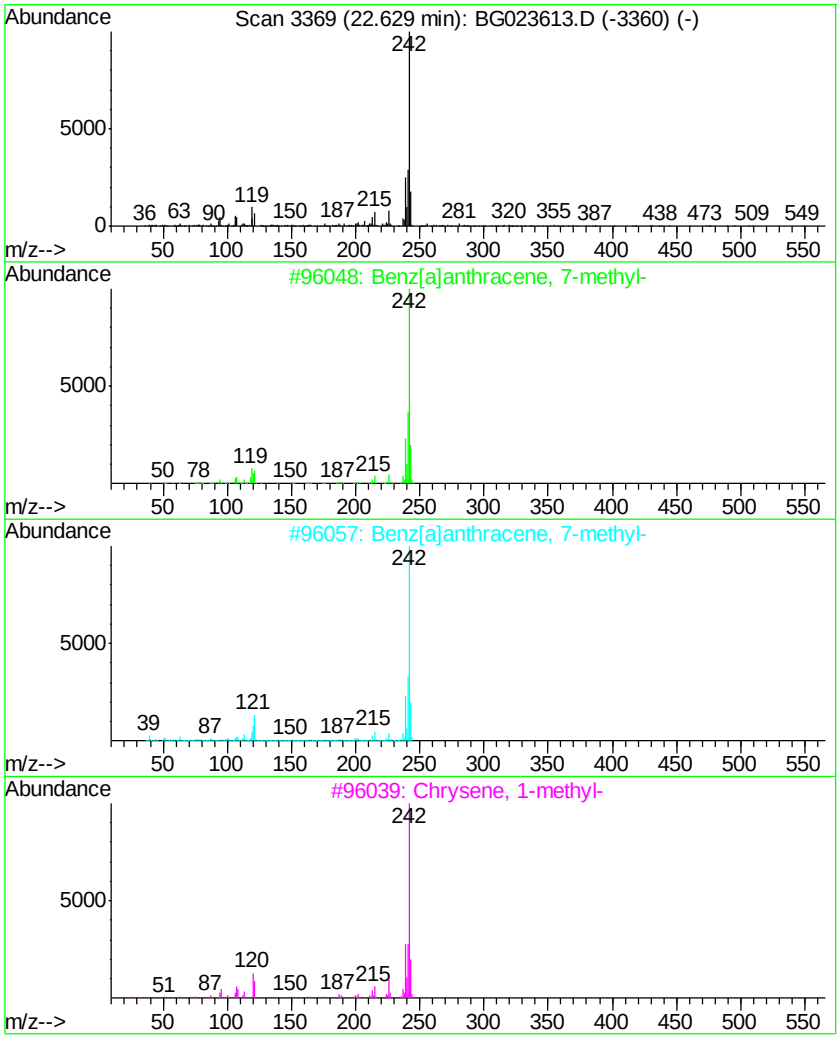
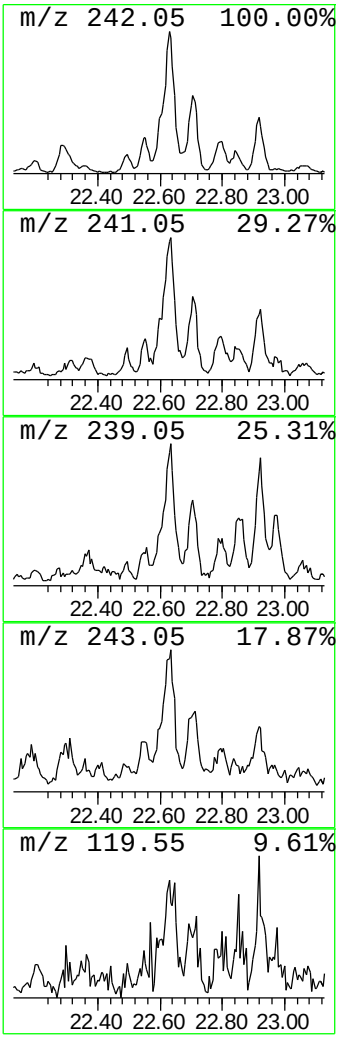
Peak Number 23 Benz[a]anthracene, 7-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.63	3.16 ng/ul	863614	Chrysene-d12	21.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	91
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	89
4	Chrysene, 5-methyl-	242	C19H14	003697-24-3	89
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023613.D
Acq On : 11 Aug 2016 4:30
Operator : UM/SJ
Sample : H4384-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : P001-SS001-0612-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.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
Hexanoic acid, 2-...	9.40	2.1	ng/ul	96127	1	8.11	910268	20.0
Phenanthrene, 2-m...	18.42	10.3	ng/ul	1552110	4	17.55	3028780	20.0
Anthracene, 1-met...	18.62	7.3	ng/ul	1110570	4	17.55	3028780	20.0
1H-Cyclopropa[l]p...	18.66	4.0	ng/ul	610474	4	17.55	3028780	20.0
Naphthalene, 2-ph...	18.92	2.8	ng/ul	422548	4	17.55	3028780	20.0
9,10-Anthracenedione	18.97	3.1	ng/ul	471999	4	17.55	3028780	20.0
Phenanthrene, 3,6...	19.16	3.3	ng/ul	498441	4	17.55	3028780	20.0
9,10-Dimethylanth...	19.34	7.7	ng/ul	1172060	4	17.55	3028780	20.0
Phenanthrene, 1,7...	19.39	3.1	ng/ul	474153	4	17.55	3028780	20.0
Cyclopenta(def)ph...	19.48	5.0	ng/ul	752218	4	17.55	3028780	20.0
Octadecanoic acid	19.69	3.8	ng/ul	579410	4	17.55	3028780	20.0
10-Methylanthrace...	20.04	2.2	ng/ul	604361	5	21.87	5466850	20.0
2,5-Cyclohexadien...	20.29	3.6	ng/ul	974071	5	21.87	5466850	20.0
Fluoranthene, 2-m...	20.45	5.3	ng/ul	1436750	5	21.87	5466850	20.0
Pyrene, 2-methyl-	20.61	2.8	ng/ul	768386	5	21.87	5466850	20.0
Pyrene, 1-methyl-	20.75	2.6	ng/ul	700425	5	21.87	5466850	20.0
7H-Benz[de]anthra...	21.24	2.4	ng/ul	667433	5	21.87	5466850	20.0
Benzo[b]naphtho[2...	21.43	3.3	ng/ul	901701	5	21.87	5466850	20.0
11H-Benzo[a]fluor...	21.59	2.5	ng/ul	672368	5	21.87	5466850	20.0
(E)-2-Hydroxy-4'-...	22.21	2.3	ng/ul	630620	5	21.87	5466850	20.0
Benz[a]anthracene...	22.63	3.2	ng/ul	863614	5	21.87	5466850	20.0