LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016190.D
Acq On : 28 Mar 2015 00:06
Operator : TP/IZ
Sample : G1647-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC4

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\SOM01.2-EPA-BG031715.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	2.935	36	42	50	rBV	246772	462532	4.06%	0.353%
2	3.012	50	55	61	rVB	497758	633276	5.55%	0.483%
3	6.959	718	727	740	rBV	226232	363370	3.19%	0.277%
4	7.124	745	755	764	rBV	190583	293943	2.58%	0.224%
5	7.323	781	789	798	rBV	227809	355676	3.12%	0.271%
6	7.793	861	869	875	rBV	214235	335330	2.94%	0.256%
7	8.492	979	988	996	rBV	283850	451082	3.96%	0.344%
8	8.945	1058	1065	1072	rVB	205319	325485	2.85%	0.248%
9	9.661	1175	1187	1197	rVB	166678	273235	2.40%	0.208%
10	10.196	1272	1278	1286	rVB	267110	435134	3.82%	0.332%
11	10.578	1334	1343	1348	rBV	318492	532422	4.67%	0.406%
12	10.713	1359	1366	1378	rVV2	236832	404961	3.55%	0.309%
13	13.738	1875	1881	1886	rBV	145612	236887	2.08%	0.181%
14	13.826	1892	1896	1900	rVV	443338	600135	5.26%	0.458%
15	13.873	1900	1904	1912	rVV	165010	240106	2.11%	0.183%
16	14.108	1938	1944	1948	rBV	561896	881292	7.73%	0.672%
17	14.414	1986	1996	2002	rVV2	451095	762218	6.68%	0.581%
18	14.478	2002	2007	2014	rVB	564942	835510	7.33%	0.637%
19	14.619	2025	2031	2041	rVB	204480	375874	3.30%	0.287%
20	14.813	2058	2064	2071	rVB	489384	730430	6.40%	0.557%
21	15.031	2095	2101	2106	rVV	150936	254250	2.23%	0.194%
22	15.406	2156	2165	2169	rVV	712546	1173420	10.29%	0.895%
23	15.459	2169	2174	2183	rVV	791318	1252715	10.98%	0.955%
24	15.589	2192	2196	2199	rVV	150029	241603	2.12%	0.184%
25	15.753	2219	2224	2232	rVV	406180	642122	5.63%	0.490%
26	15.900	2241	2249	2257	rVV	447102	948186	8.31%	0.723%
27	16.123	2281	2287	2295	rBV5	253259	609810	5.35%	0.465%
28	16.464	2335	2345	2350	rBV3	261404	578439	5.07%	0.441%
29	16.693	2375	2384	2387	rBV3	285703	532227	4.67%	0.406%
30	16.734	2387	2391	2394	rVV2	242136	389212	3.41%	0.297%
31	16.810	2399	2404	2411	rVB	537293	833392	7.31%	0.636%
32	16.887	2412	2417	2425	rVV2	292360	673438	5.91%	0.514%
33	16.975	2427	2432	2441	rVB	403190	681940	5.98%	0.520%
34	17.157	2458	2463	2466	rBV	511866	829055	7.27%	0.632%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016190.D
Acq On : 28 Mar 2015 00:06
Operator : TP/IZ
Sample : G1647-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC4

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\SOM01.2-EPA-BG031715.M
Title : SVOA CALIBRATION

35	17.210	2466	2472	2476	rVV	4970326	7857847	68.90%	5.993%
36	17.257	2476	2480	2483	rVV2	769146	1187785	10.42%	0.906%
37	17.292	2483	2486	2491	rVV	1845428	2376410	20.84%	1.812%
38	17.339	2491	2494	2500	rVV3	146203	265564	2.33%	0.203%
39	17.598	2534	2538	2543	rVV2	131846	286798	2.51%	0.219%
40	17.674	2548	2551	2557	rVV2	214094	321090	2.82%	0.245%
41	17.739	2557	2562	2569	rVB3	214971	401147	3.52%	0.306%
42	18.032	2602	2612	2616	rBV	892176	1539106	13.50%	1.174%
43	18.079	2616	2620	2626	rVB	1382165	1959768	17.18%	1.495%
44	18.162	2628	2634	2639	rBV	597104	874465	7.67%	0.667%
45	18.232	2639	2646	2649	rVV2	1420098	2565020	22.49%	1.956%
46	18.261	2649	2651	2657	rVV	625016	789706	6.92%	0.602%
47	18.532	2692	2697	2701	rVV	821798	1082333	9.49%	0.825%
48	18.579	2701	2705	2710	rVV2	407593	578843	5.08%	0.441%
49	18.778	2735	2739	2743	rVV3	214120	288138	2.53%	0.220%
50	18.825	2744	2747	2750	rVB	229083	248055	2.18%	0.189%
51	18.867	2750	2754	2758	rVB	251050	328434	2.88%	0.250%
52	18.949	2762	2768	2774	rBV	468326	969964	8.51%	0.740%
53	19.013	2775	2779	2782	rVV3	289680	452792	3.97%	0.345%
54	19.096	2788	2793	2799	rBV2	729155	1197492	10.50%	0.913%
55	19.231	2807	2816	2820	rBV	6504887	11404327	100.00%	8.698%
56	19.313	2827	2830	2835	rVB2	278805	394525	3.46%	0.301%
57	19.413	2842	2847	2850	rBV4	154502	289618	2.54%	0.221%
58	19.460	2851	2855	2858	rVB	214591	290815	2.55%	0.222%
59	19.554	2865	2871	2872	rBV	2235671	3037880	26.64%	2.317%
60	19.589	2872	2877	2883	rVV	5557602	9416746	82.57%	7.182%
61	19.648	2883	2887	2894	rVB2	554494	883930	7.75%	0.674%
62	19.754	2895	2905	2910	rBV	690222	1187105	10.41%	0.905%
63	19.818	2911	2916	2921	rVB2	374167	607339	5.33%	0.463%
64	20.036	2947	2953	2955	rBV5	529823	953959	8.36%	0.728%
65	20.071	2955	2959	2964	rVB	1071561	1555228	13.64%	1.186%
66	20.171	2972	2976	2979	rBV	459650	563543	4.94%	0.430%
67	20.229	2979	2986	2990	rVB2	882191	1623158	14.23%	1.238%
68	20.306	2995	2999	3004	rBV2	213454	281655	2.47%	0.215%
69	20.365	3005	3009	3013	rBV	423535	603499	5.29%	0.460%
70	20.412	3013	3017	3021	rVB2	443569	598710	5.25%	0.457%
71	20.529	3034	3037	3041	rVB2	204627	264792	2.32%	0.202%

LSC Area Percent Report

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Data File : BG016190.D
Acq On : 28 Mar 2015 00:06
Operator : TP/IZ
Sample : G1647-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC4

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\SOM01.2-EPA-BG031715.M
Title : SVOA CALIBRATION

72	20.623	3049	3053	3056	rBV3	174033	325629	2.86%	0.248%
73	20.817	3081	3086	3092	rVV	1156263	1554003	13.63%	1.185%
74	20.975	3107	3113	3117	rBV2	713976	1405530	12.32%	1.072%
75	21.017	3117	3120	3124	rVV	861735	1293509	11.34%	0.987%
76	21.058	3124	3127	3132	rVV2	736251	1289943	11.31%	0.984%
77	21.111	3132	3136	3146	rVB	1249736	1864519	16.35%	1.422%
78	21.322	3163	3172	3177	rBV3	4626977	8357555	73.28%	6.374%
79	21.375	3177	3181	3190	rVB	3746606	5400605	47.36%	4.119%
80	21.487	3197	3200	3205	rBV	420518	536865	4.71%	0.409%
81	21.539	3206	3209	3212	rBV3	193483	294327	2.58%	0.224%
82	21.645	3222	3227	3232	rBV2	501167	823313	7.22%	0.628%
83	21.692	3232	3235	3239	rVV3	201581	261840	2.30%	0.200%
84	21.827	3254	3258	3261	rBV2	214822	290962	2.55%	0.222%
85	21.886	3261	3268	3272	rBV	885897	1438763	12.62%	1.097%
86	21.939	3273	3277	3282	rVB	486196	672652	5.90%	0.513%
87	22.086	3298	3302	3305	rBV	375502	560379	4.91%	0.427%
88	22.186	3315	3319	3323	rVB3	277073	403046	3.53%	0.307%
89	22.661	3396	3400	3412	rVB3	358575	875580	7.68%	0.668%
90	22.943	3440	3448	3452	rBV	2943611	6787671	59.52%	5.177%
91	23.108	3471	3476	3483	rVB	681193	1137125	9.97%	0.867%
92	23.243	3495	3499	3502	rBV3	189855	369748	3.24%	0.282%
93	23.431	3525	3531	3536	rBV	1305958	2553557	22.39%	1.947%
94	23.537	3543	3549	3555	rVB	2549028	4759822	41.74%	3.630%
95	23.625	3560	3564	3568	rVV	415133	830242	7.28%	0.633%
96	23.678	3568	3573	3581	rVB2	774067	1608808	14.11%	1.227%
97	25.980	3955	3965	3975	rVB	1214209	3605692	31.62%	2.750%
98	26.245	4004	4010	4017	rVB	249516	609977	5.35%	0.465%
99	26.333	4021	4025	4033	rVB	130856	305941	2.68%	0.233%
100	26.703	4078	4088	4105	rVB	668597	2206053	19.34%	1.682%

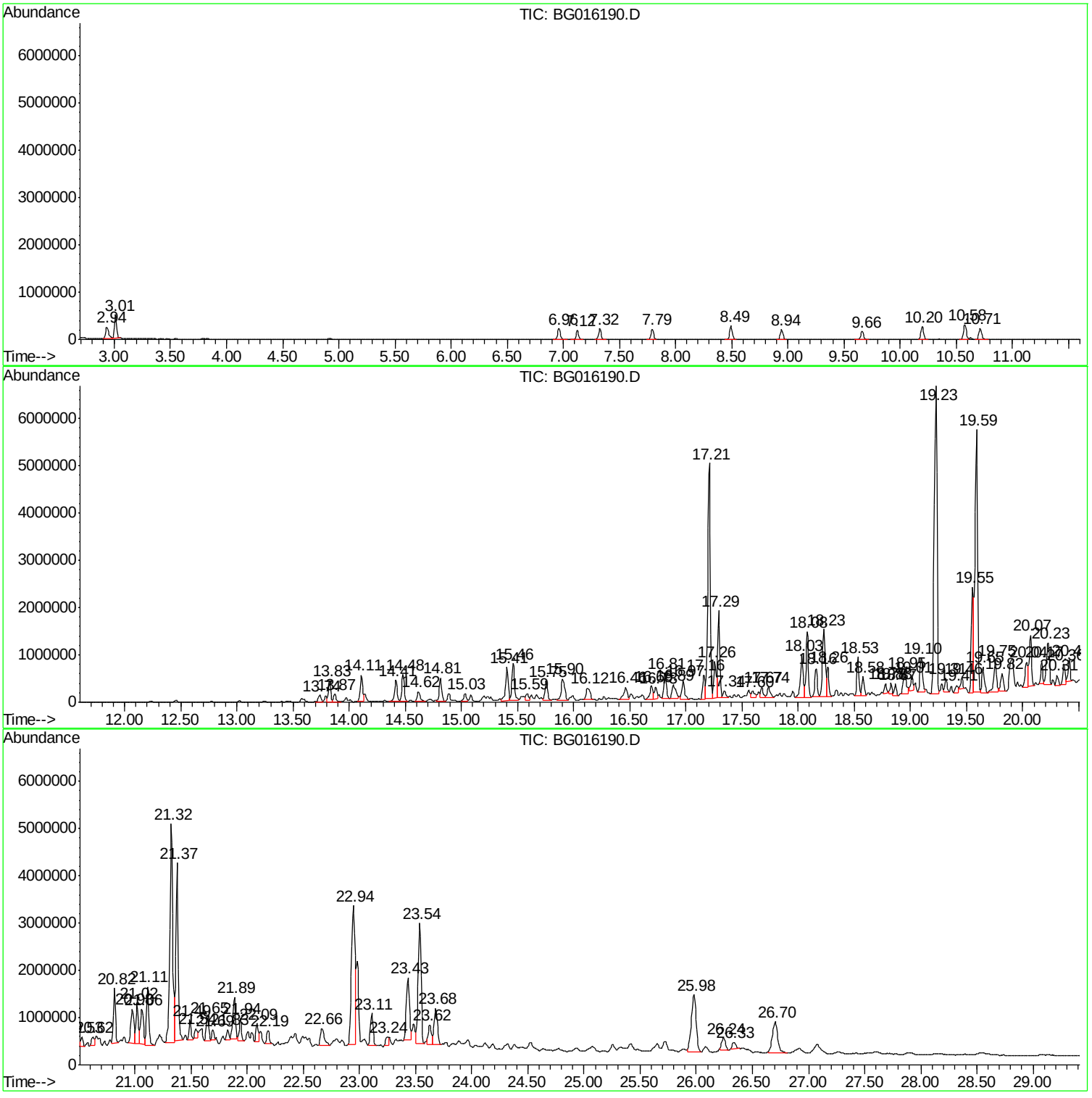
Sum of corrected areas: 131119949

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016190.D
Acq On : 28 Mar 2015 00:06
Operator : TP/IZ
Sample : G1647-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AC4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016190.D
Acq On : 28 Mar 2015 00:06
Operator : TP/IZ
Sample : G1647-05
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Instrument : BNA_G
ClientSampleId : C0AC4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

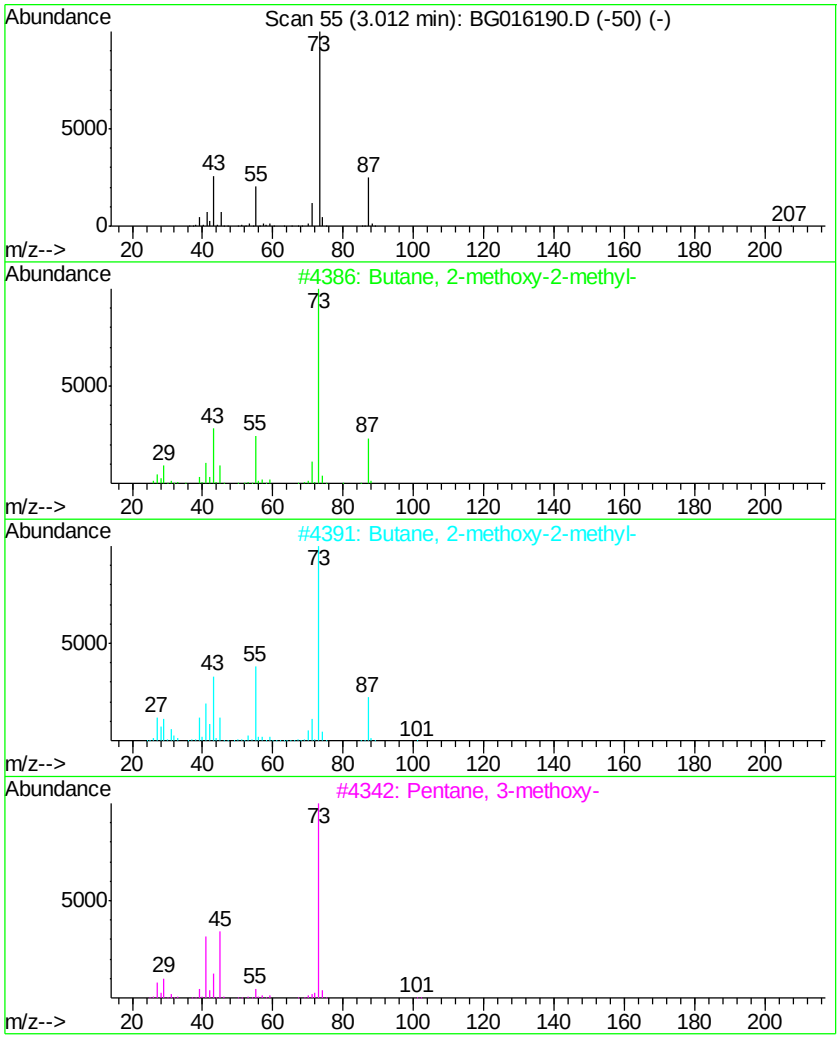
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

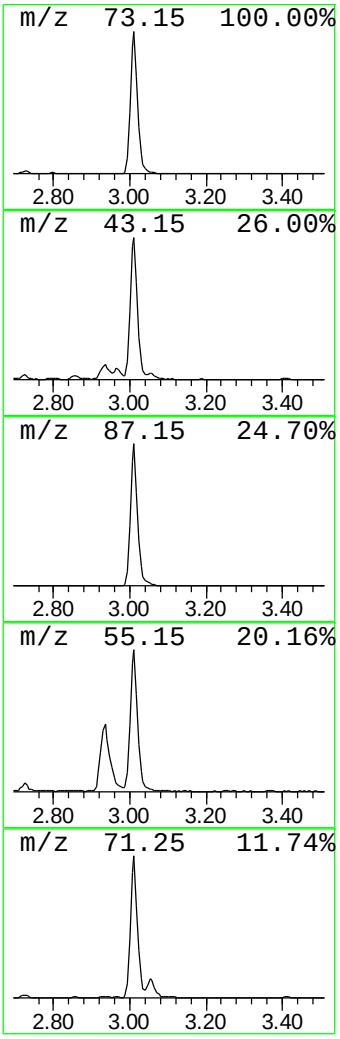
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.01	37.77 ng/ul	633276	1,4-Dichlorobenzene-d4	7.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	74
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	1000186-02-3	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016190.D
Acq On : 28 Mar 2015 00:06
Operator : TP/IZ
Sample : G1647-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

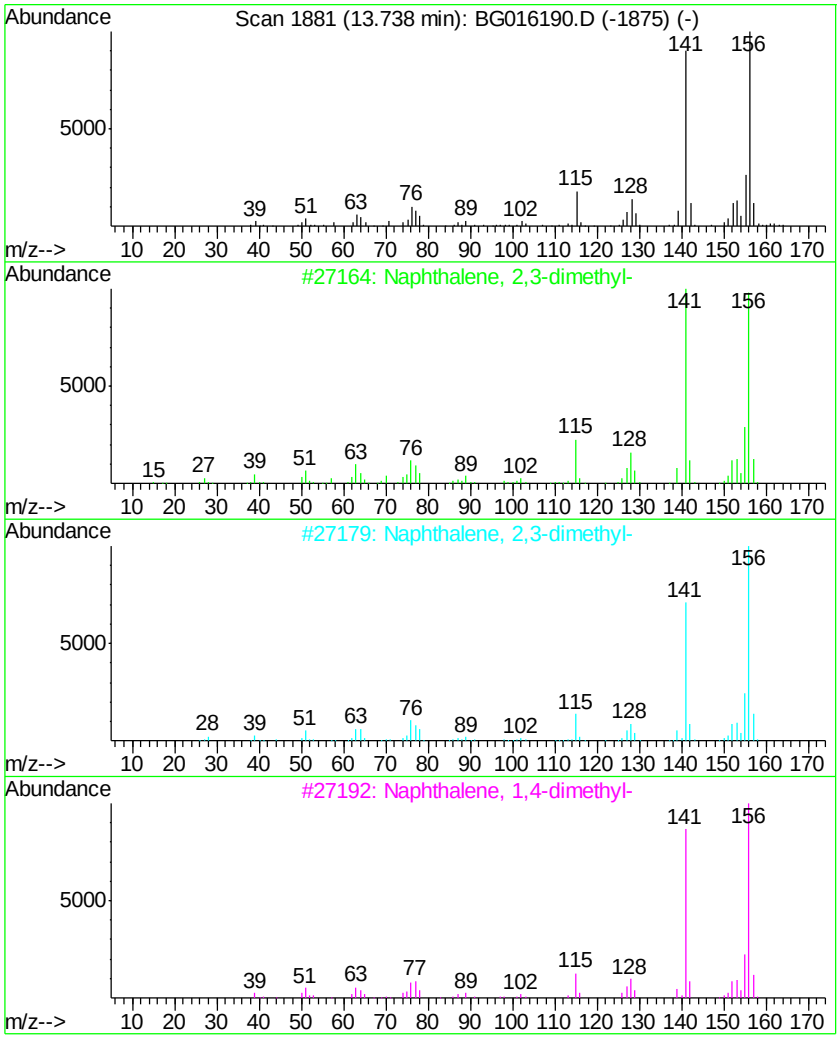
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

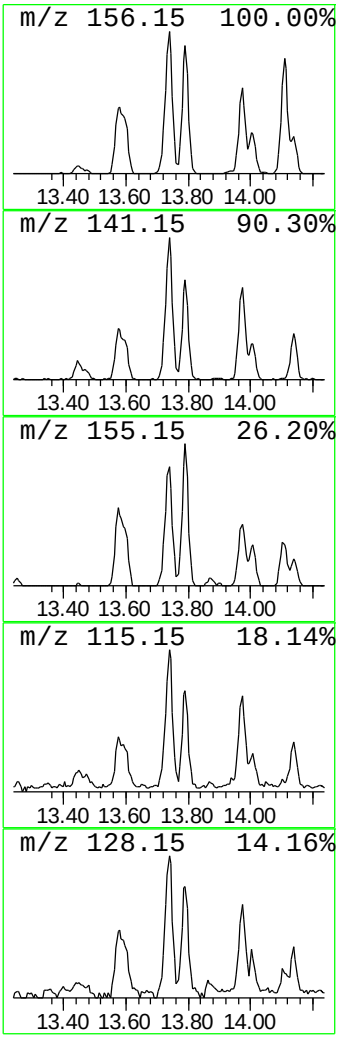
****

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	6.22 ng/ul	236887	Acenaphthene-d10	14.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016190.D
Acq On : 28 Mar 2015 00:06
Operator : TP/IZ
Sample : G1647-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

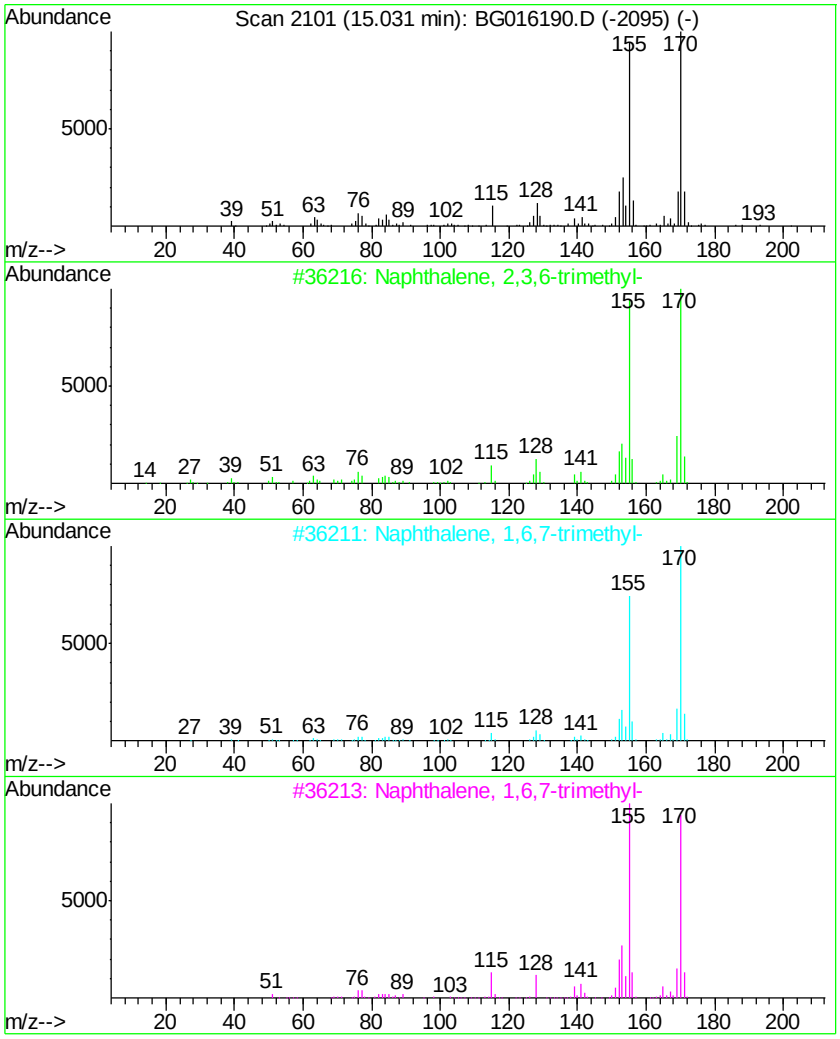
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

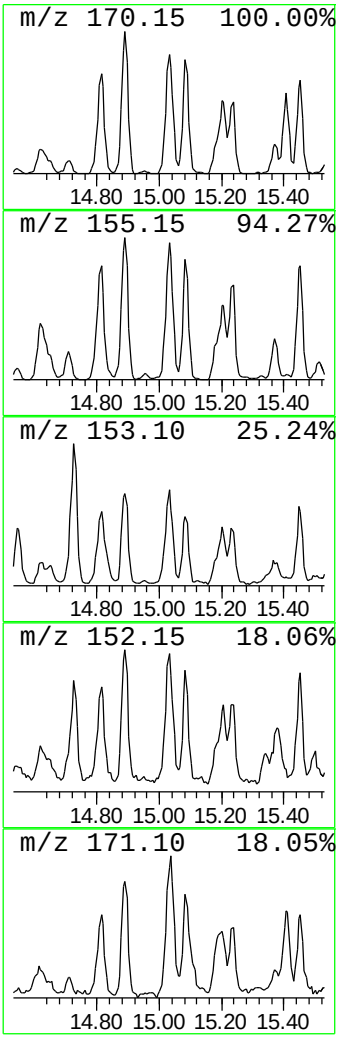
****

Peak Number 4 Naphthalene, 2,3,6-trimethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	6.67 ng/ul	254250	Acenaphthene-d10	14.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016190.D
Acq On : 28 Mar 2015 00:06
Operator : TP/IZ
Sample : G1647-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

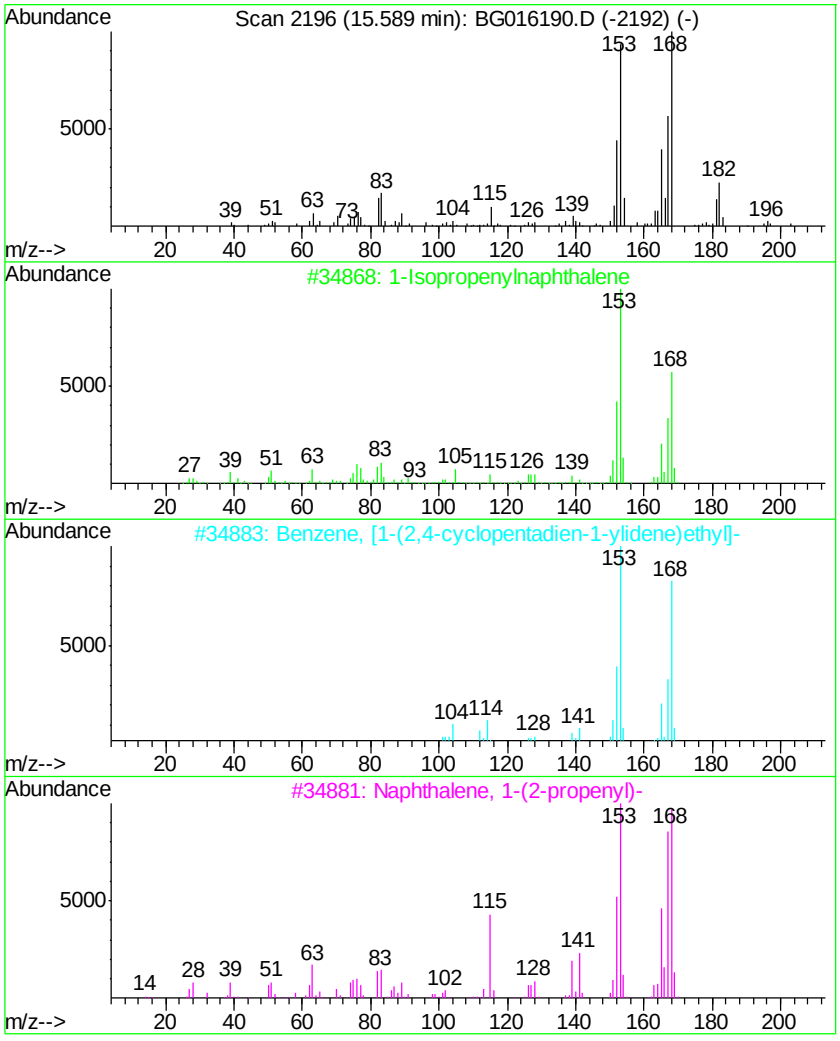
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

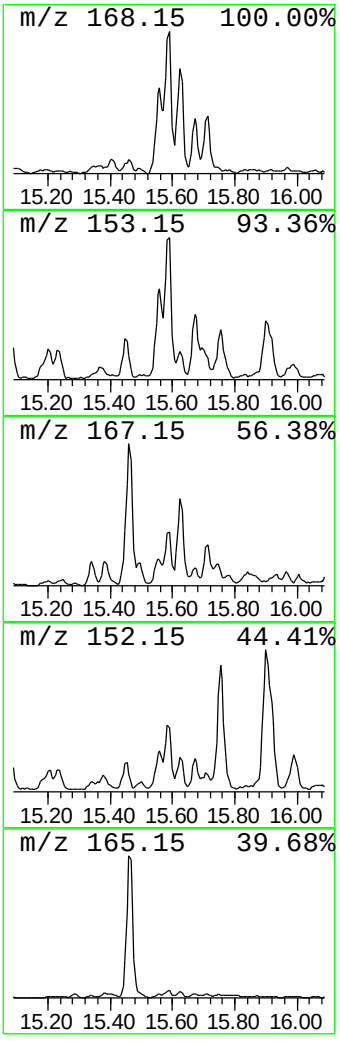
****

Peak Number 5 1-Isopropenylnaphthalene Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.59	6.34 ng/ul	241603	Acenaphthene-d10	14.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	94
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	58
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	50
4	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	47
5	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	47





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016190.D
Acq On : 28 Mar 2015 00:06
Operator : TP/IZ
Sample : G1647-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

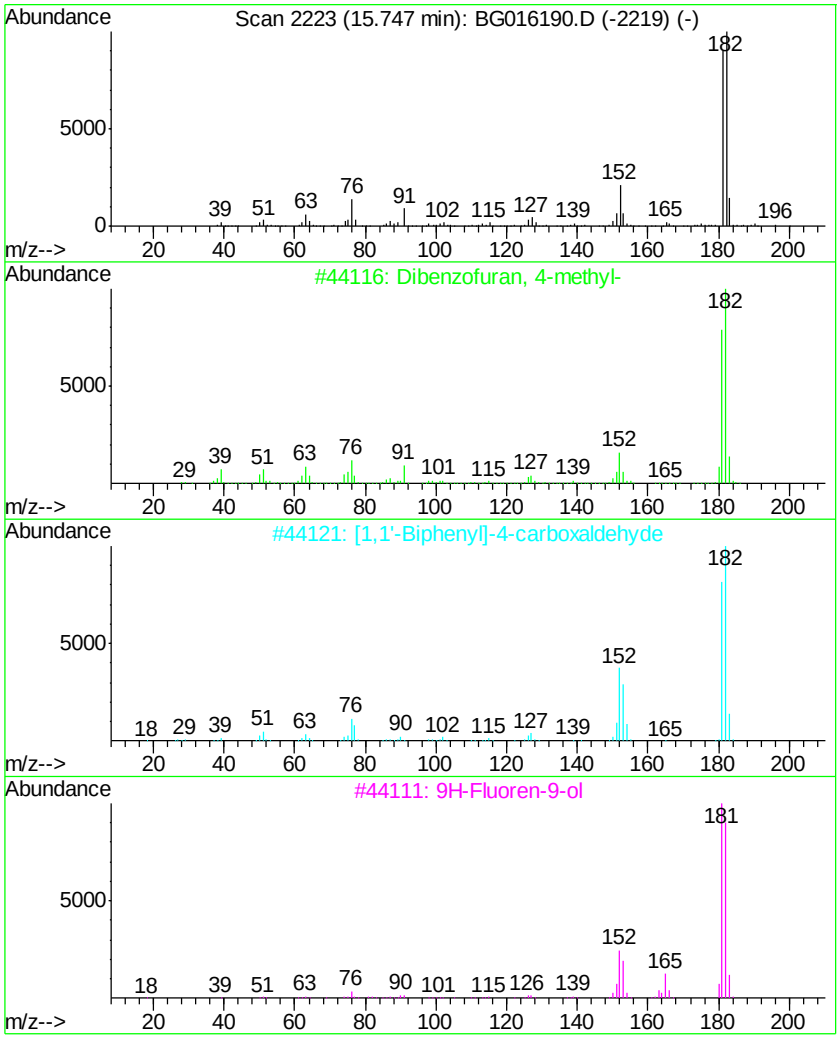
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

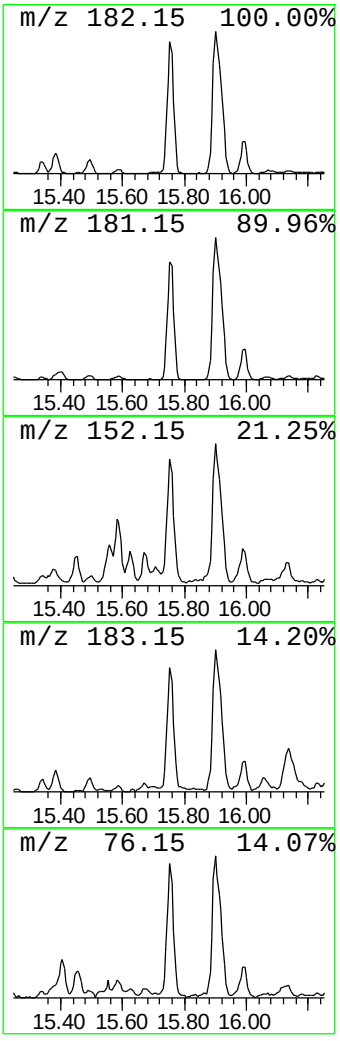
****

Peak Number 6 Dibenzofuran, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.75	16.85 ng/ul	642122	Acenaphthene-d10	14.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	94
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





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Operator : TP/IZ
Sample : G1647-05
Misc :
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Instrument : BNA_G
ClientSampleId : C0AC4

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Quant Title : SVOA CALIBRATION

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

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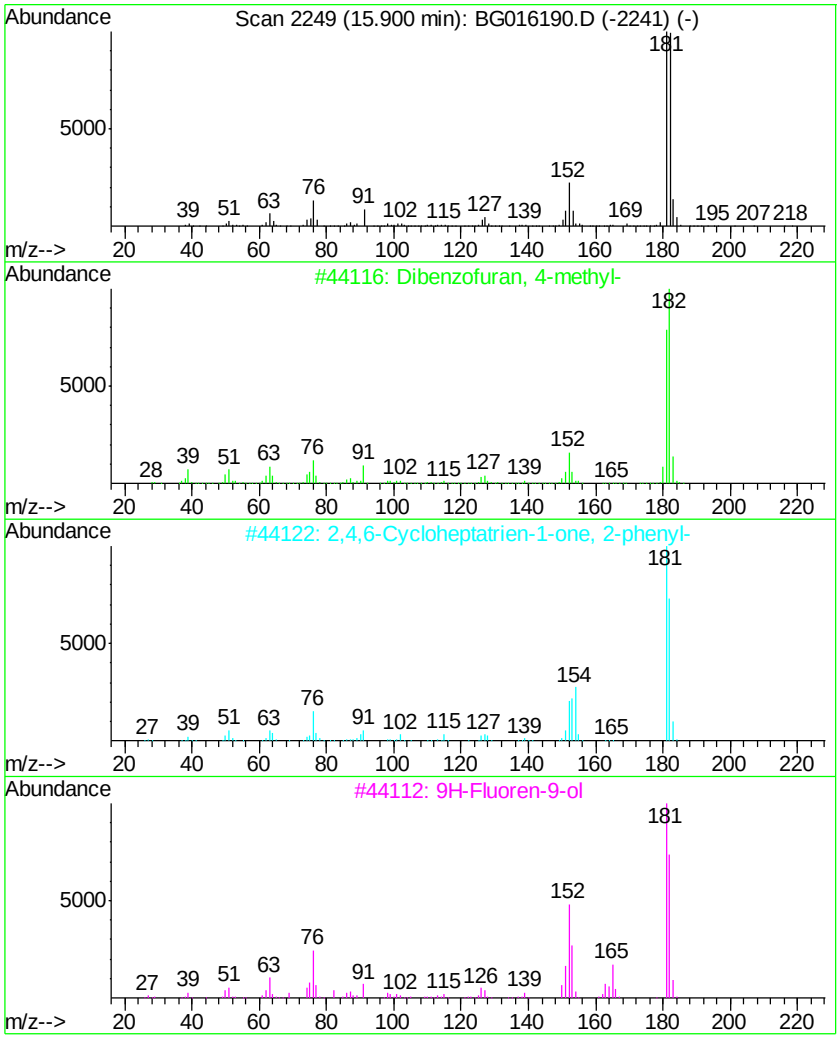
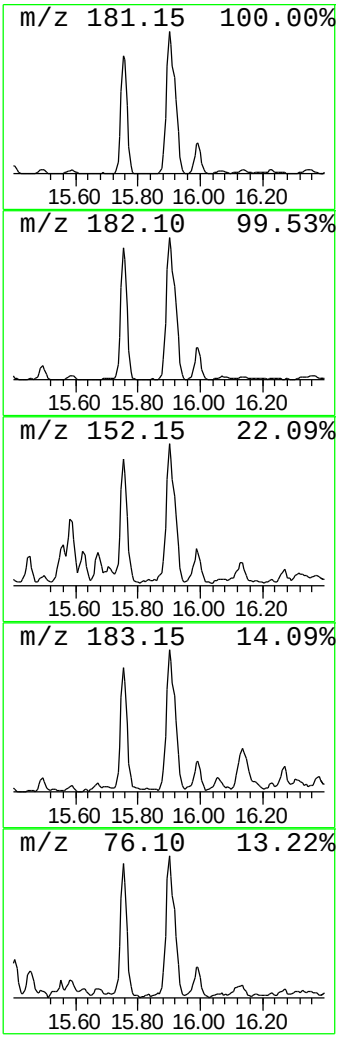
Peak Number 7 2,4,6-Cycloheptatrien-1-one... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	22.87 ng/ul	948186	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72





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Instrument : BNA_G
ClientSampleId : C0AC4

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Quant Title : SVOA CALIBRATION

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

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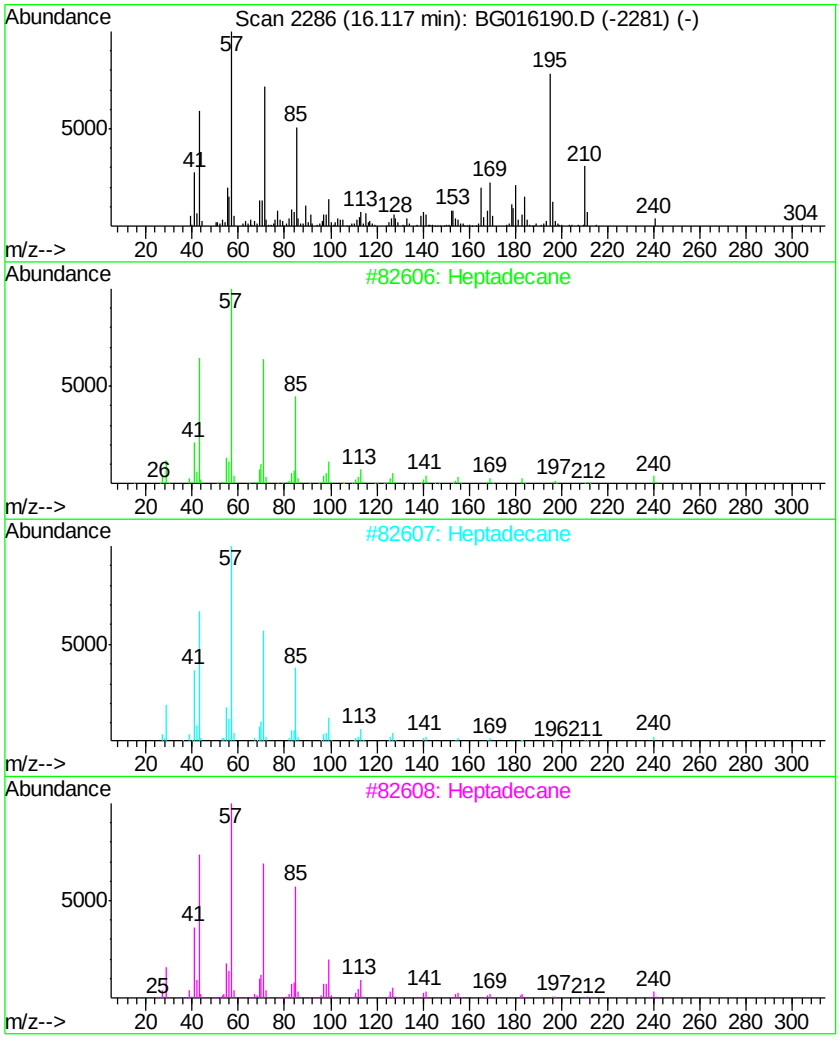
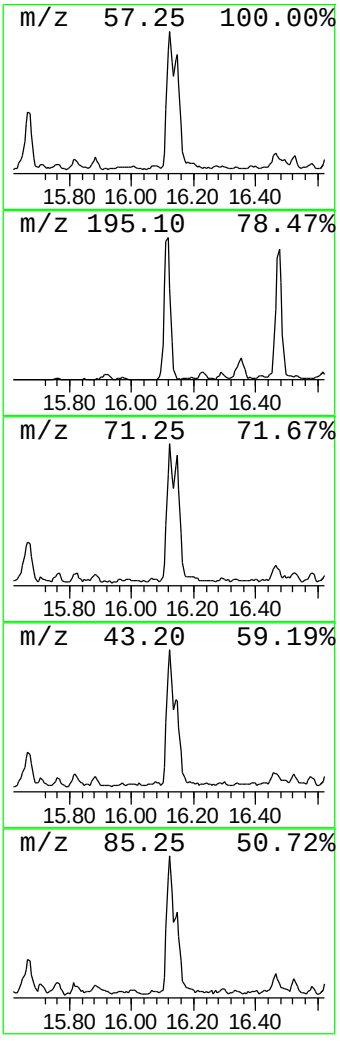
Peak Number 8 (DEL) Alkane: Straight-Chain Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.12	14.71 ng/ul	609810	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	95
2	Heptadecane	240	C17H36	000629-78-7	95
3	Heptadecane	240	C17H36	000629-78-7	91
4	Tetradecane	198	C14H30	000629-59-4	89
5	Dodecane	170	C12H26	000112-40-3	50





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Instrument : BNA_G
ClientSampleId : C0AC4

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Quant Title : SVOA CALIBRATION

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

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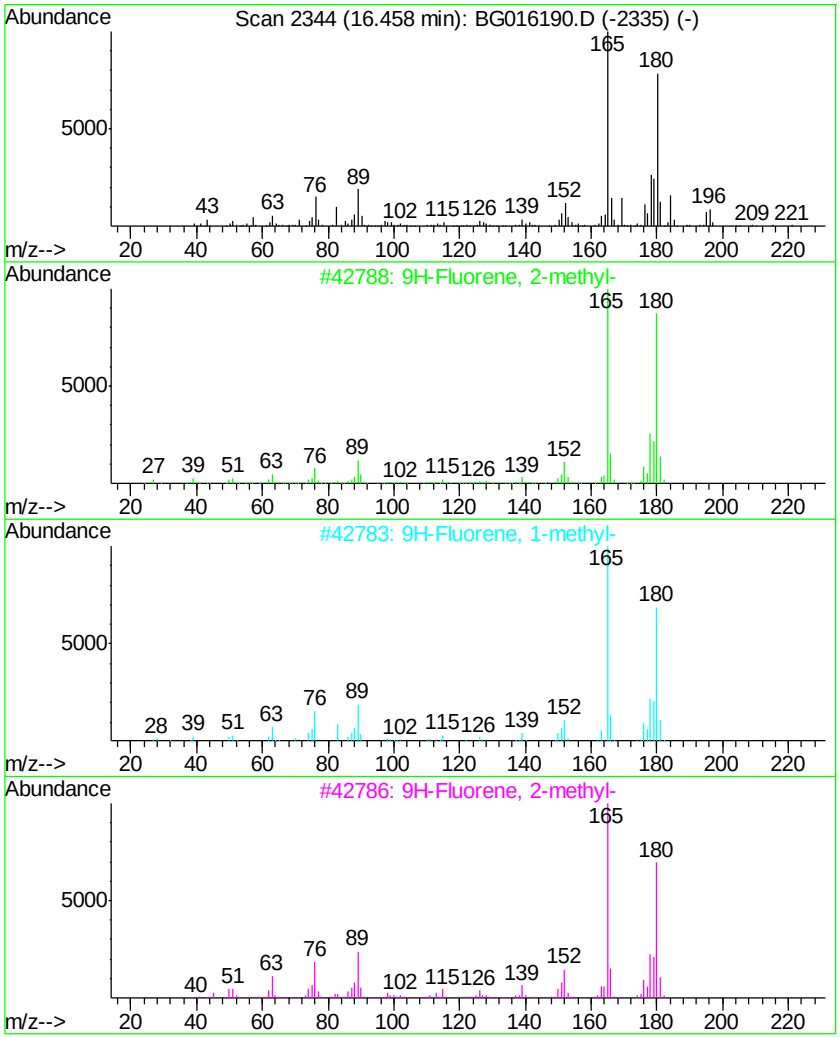
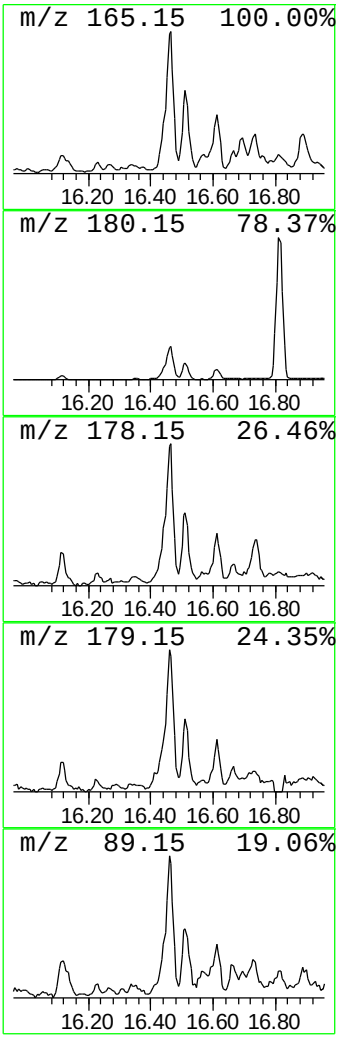
Peak Number 9 9H-Fluorene, 2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	13.95 ng/ul	578439	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	92





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ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

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

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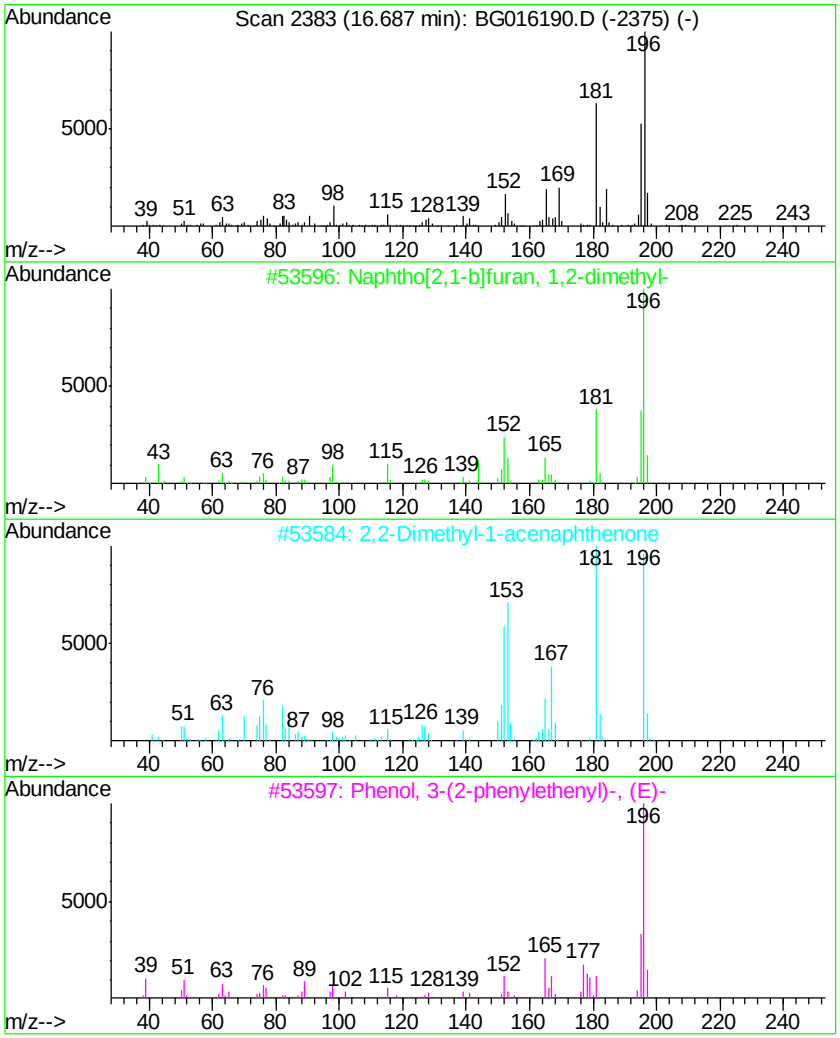
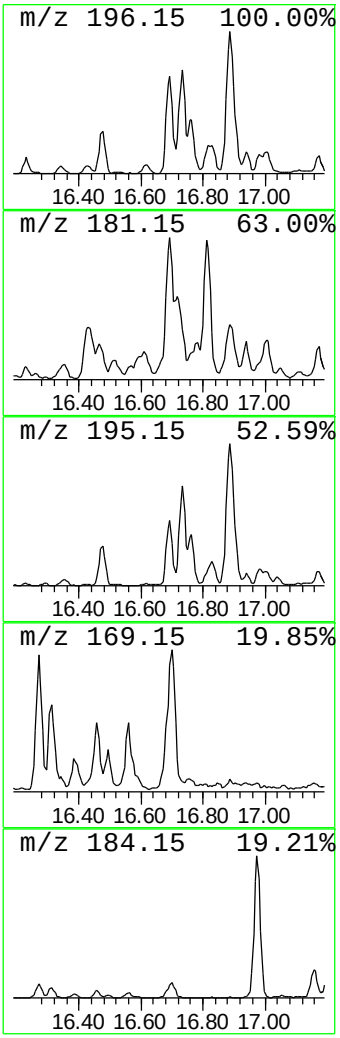
Peak Number 10 Naphtho[2,1-b]furan, 1,2-di... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	12.84 ng/ul	532227	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	55
2	2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	55
3	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	55
4	1,1'-Biphenyl, 3-(1-methylethyl)-	196	C15H16	020282-30-8	47
5	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	46





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ClientSampleId : C0AC4

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Quant Title : SVOA CALIBRATION

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

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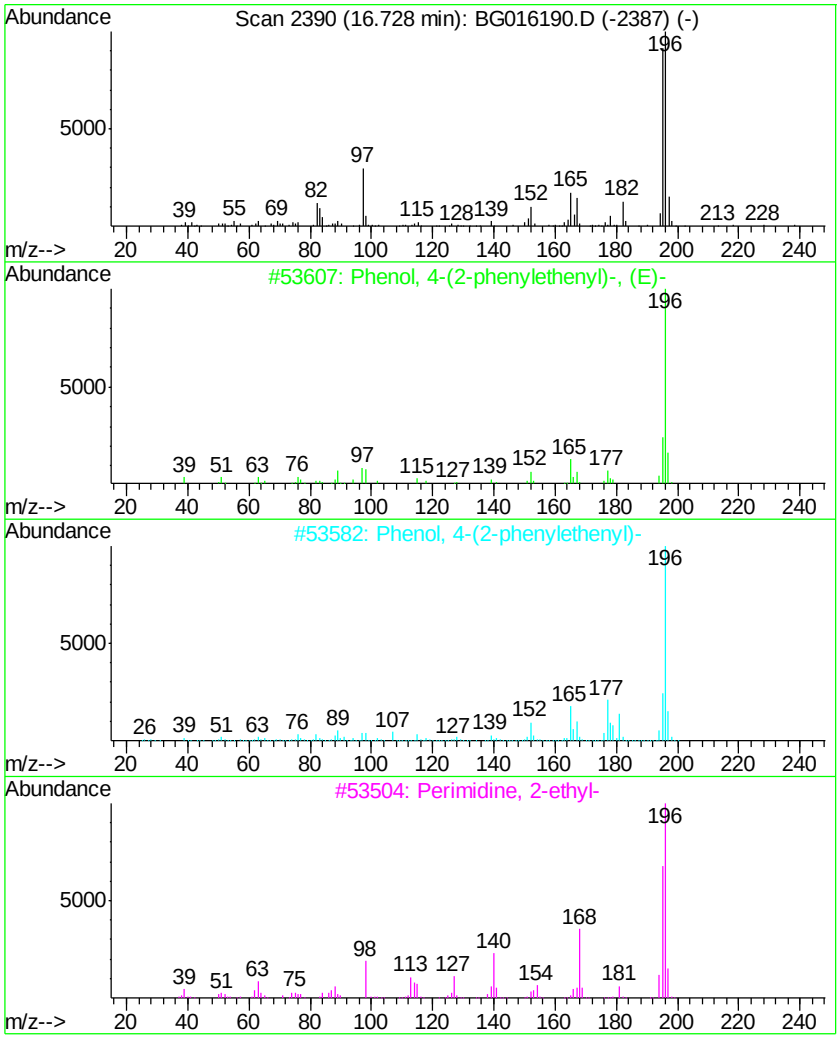
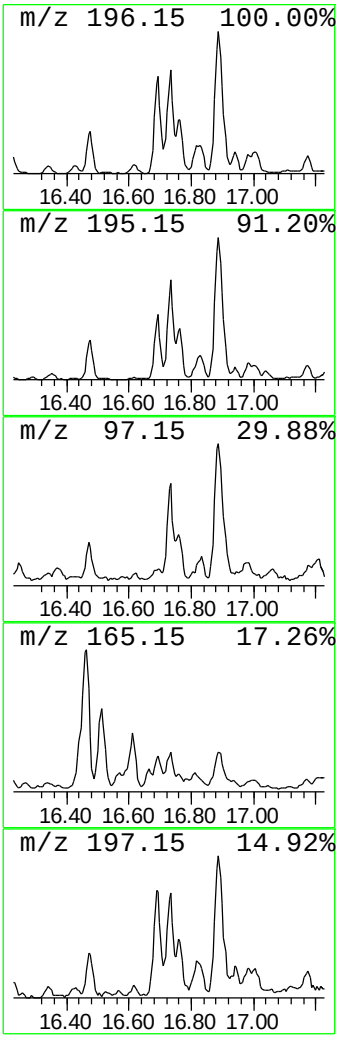
Peak Number 11 Phenol, 4-(2-phenylethenyl)... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.73	9.39 ng/ul	389212	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	64
2	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	60
3	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	59
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49
5	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	49





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Quant Title : SVOA CALIBRATION

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

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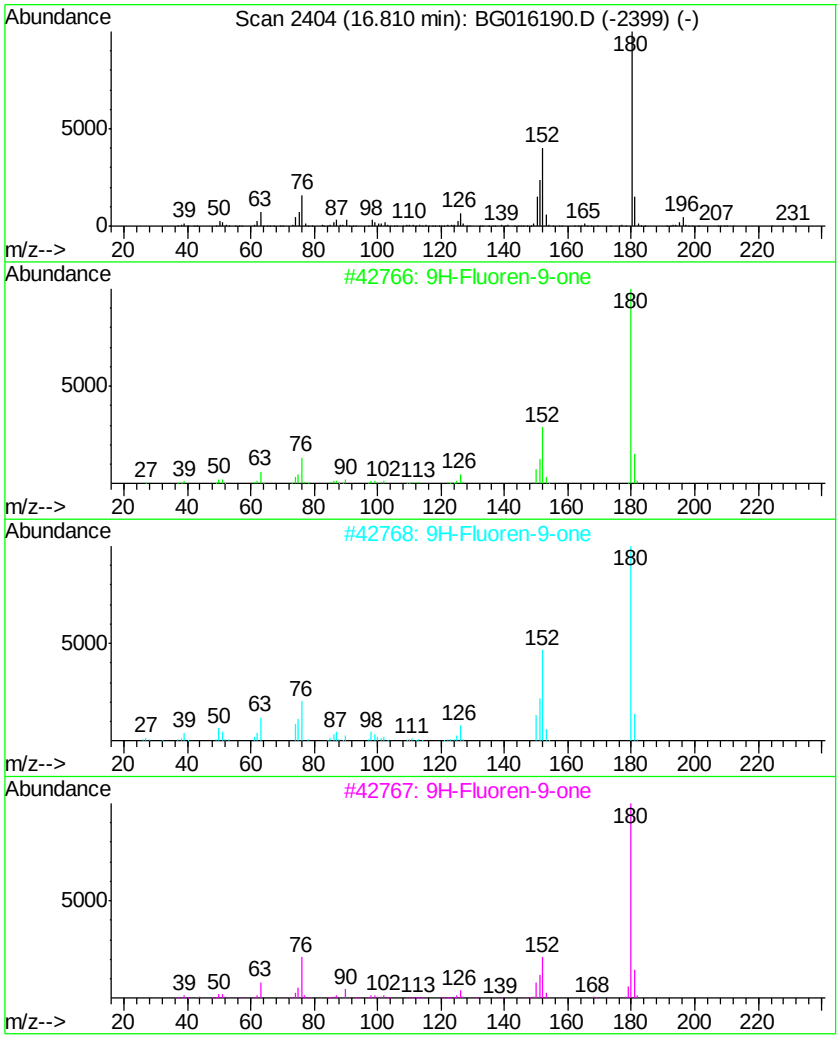
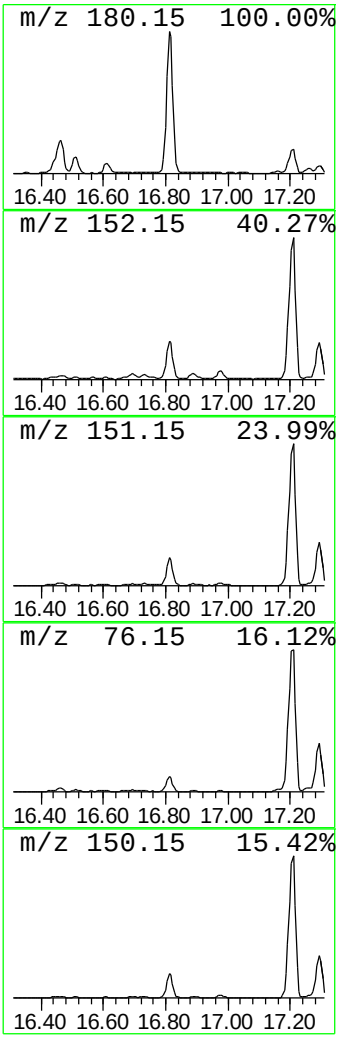
Peak Number 12 9H-Fluoren-9-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.81	20.10 ng/ul	833392	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	76
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50





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Misc :
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Instrument : BNA_G
ClientSampleId : C0AC4

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Quant Title : SVOA CALIBRATION

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

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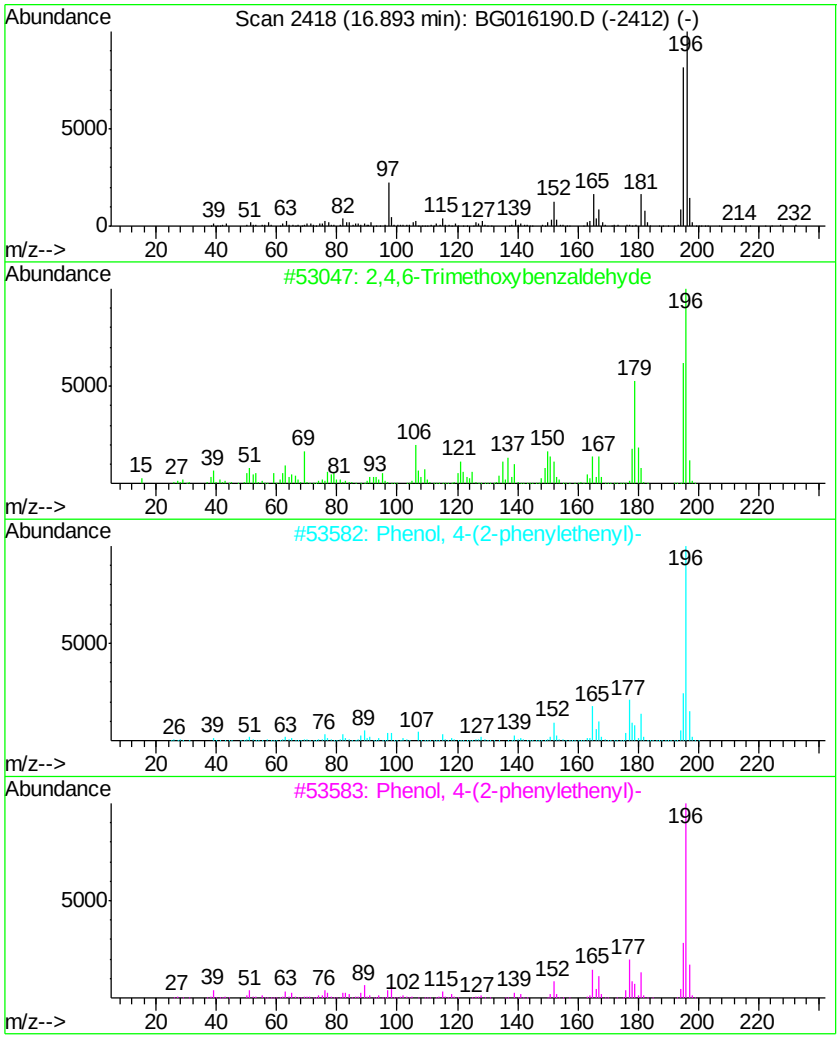
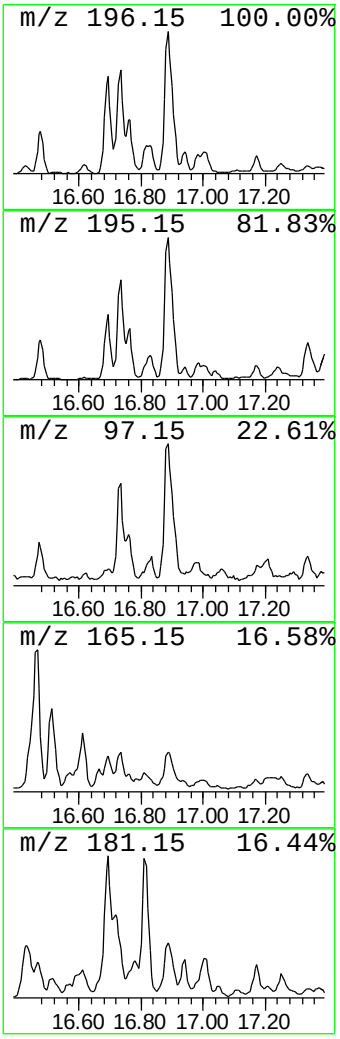
Peak Number 13 2,4,6-Trimethoxybenzaldehyde Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	16.25 ng/ul	673438	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	80
2	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	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	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	50





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Instrument : BNA_G
ClientSampleId : C0AC4

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Quant Title : SVOA CALIBRATION

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

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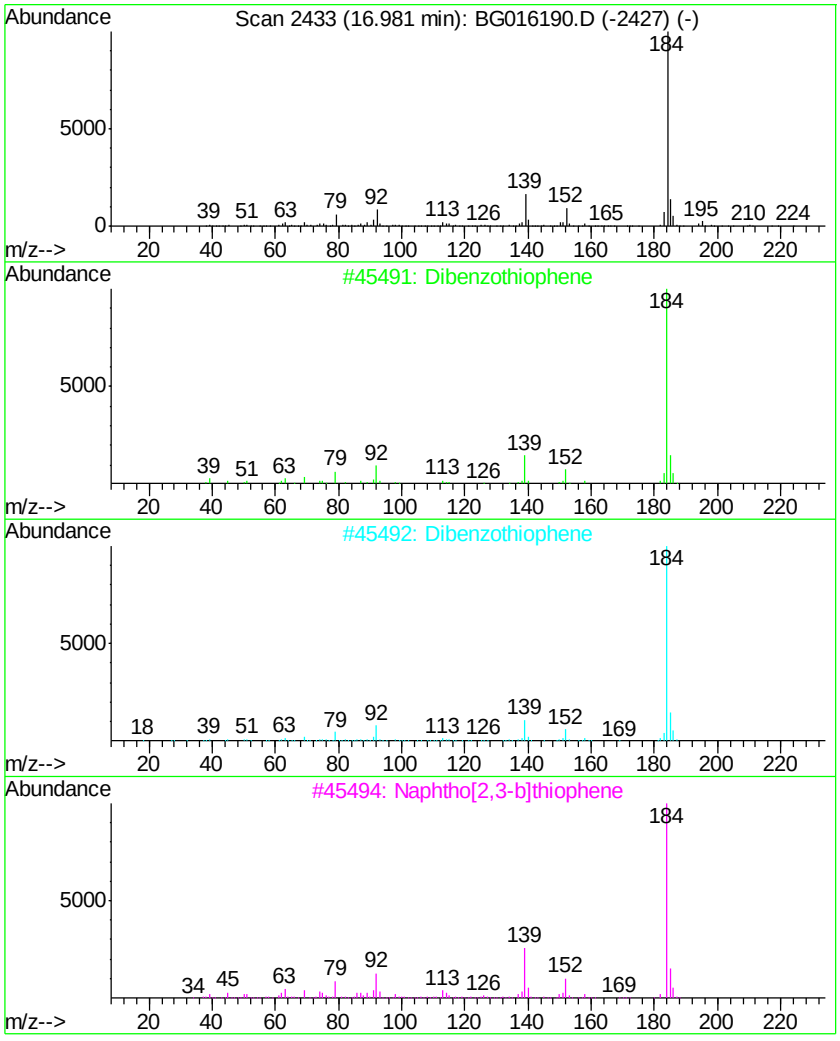
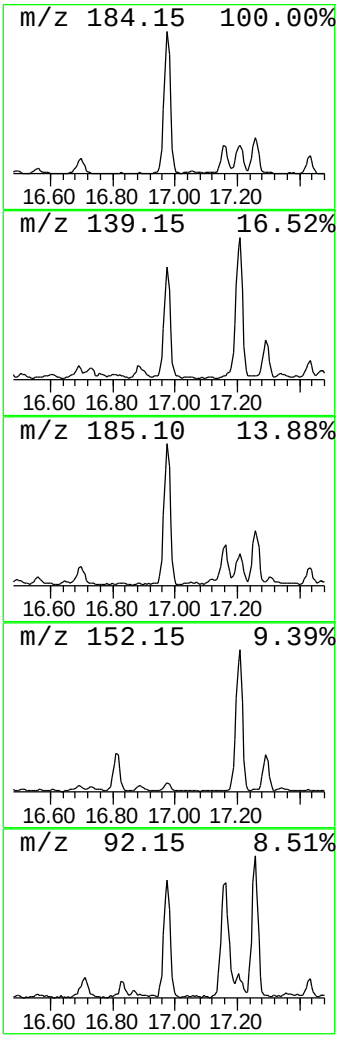
Peak Number 14 Dibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.98	16.45 ng/ul	681940	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





Library Search Compound Report

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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 Anthracene, 9-ethenyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.67	7.75 ng/ul	321090	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	89
2	Cyclobuta[1'',2'':3,4;3'',4'':3'...	204	C16H12	006574-36-3	89
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	78
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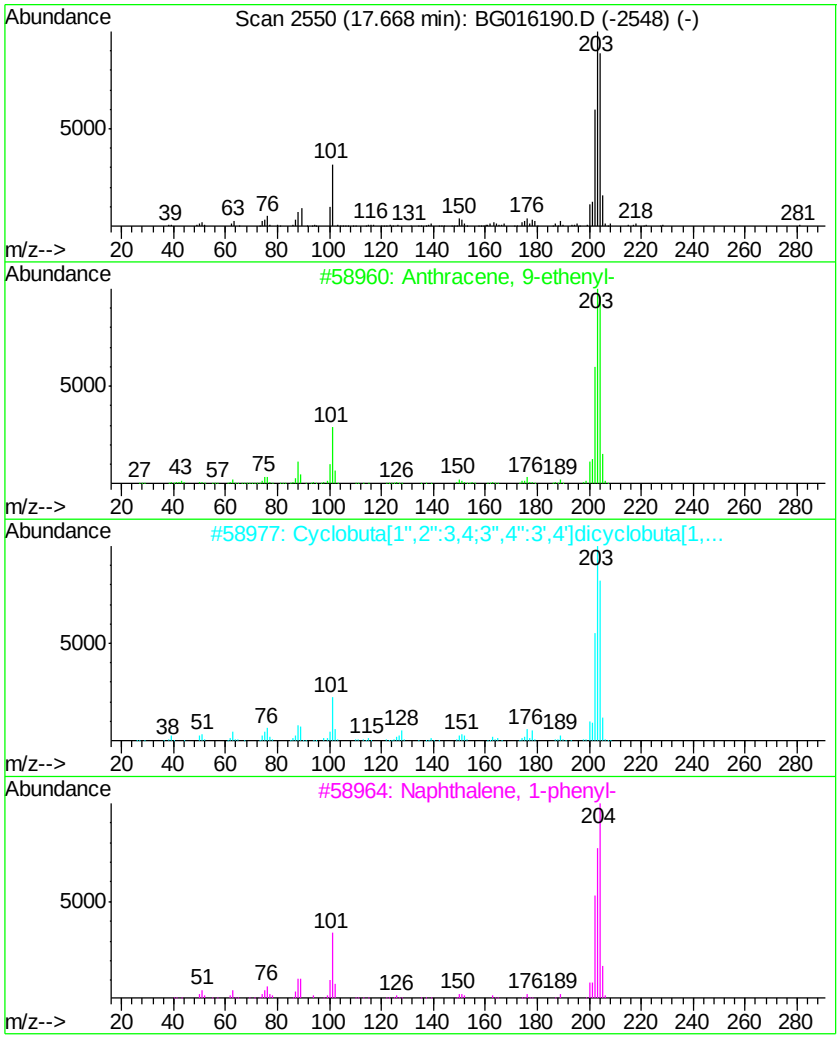

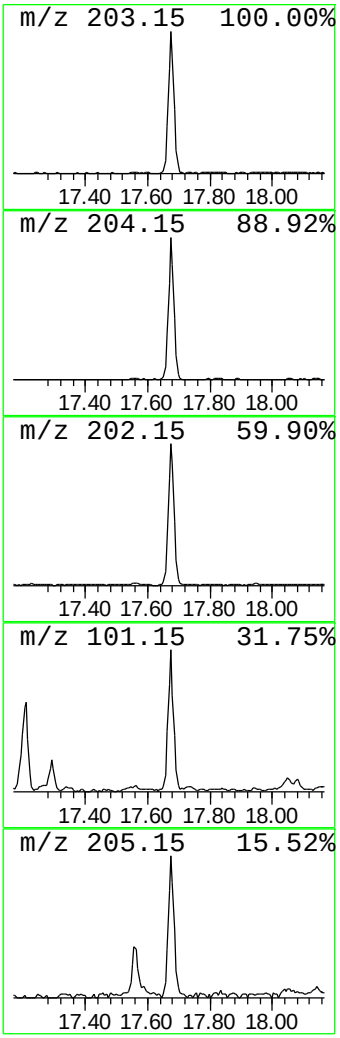

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Quant Title : SVOA CALIBRATION

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

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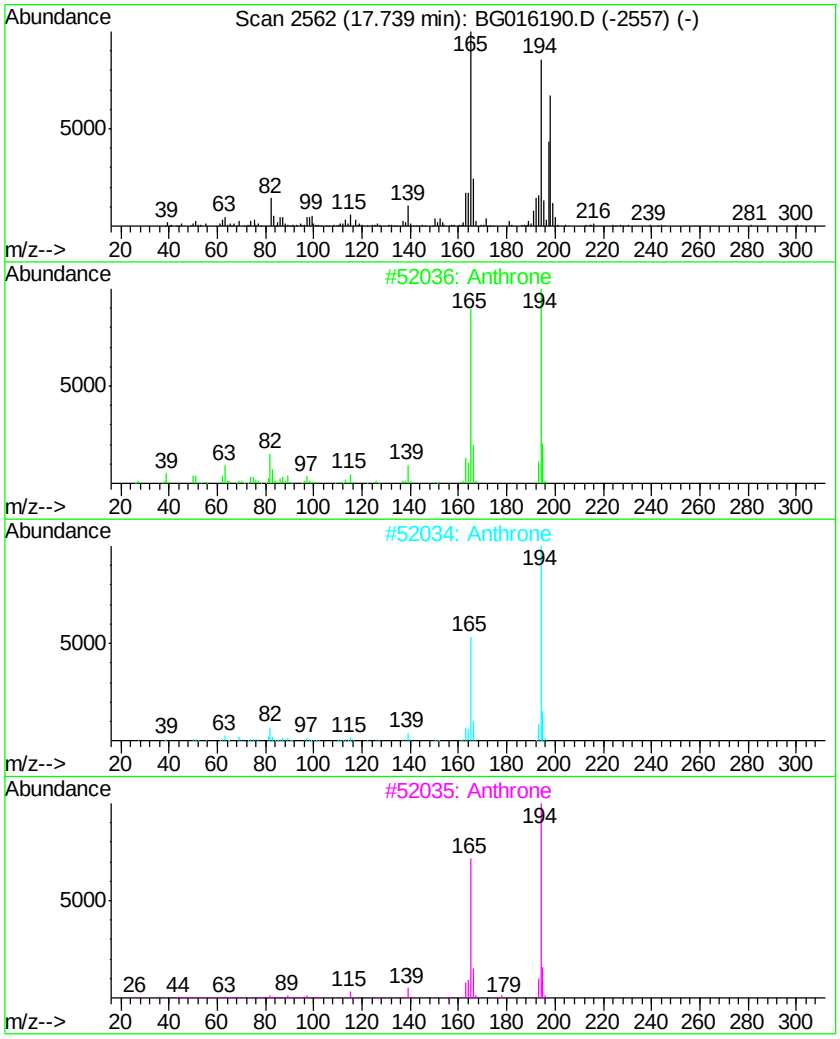
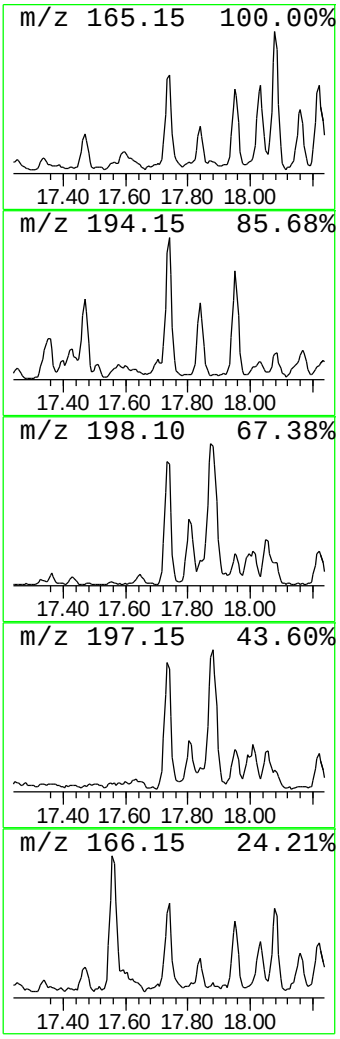
Peak Number 16 Anthrone Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.74	9.68 ng/ul	401147	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthrone	194	C14H10O	000090-44-8	83
2	Anthrone	194	C14H10O	000090-44-8	83
3	Anthrone	194	C14H10O	000090-44-8	64
4	2-Fluorenecarboxaldehyde	194	C14H10O	030084-90-3	60
5	1-Phenanthrenol	194	C14H10O	002433-56-9	53





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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 17 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	37.13 ng/ul	1539110	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
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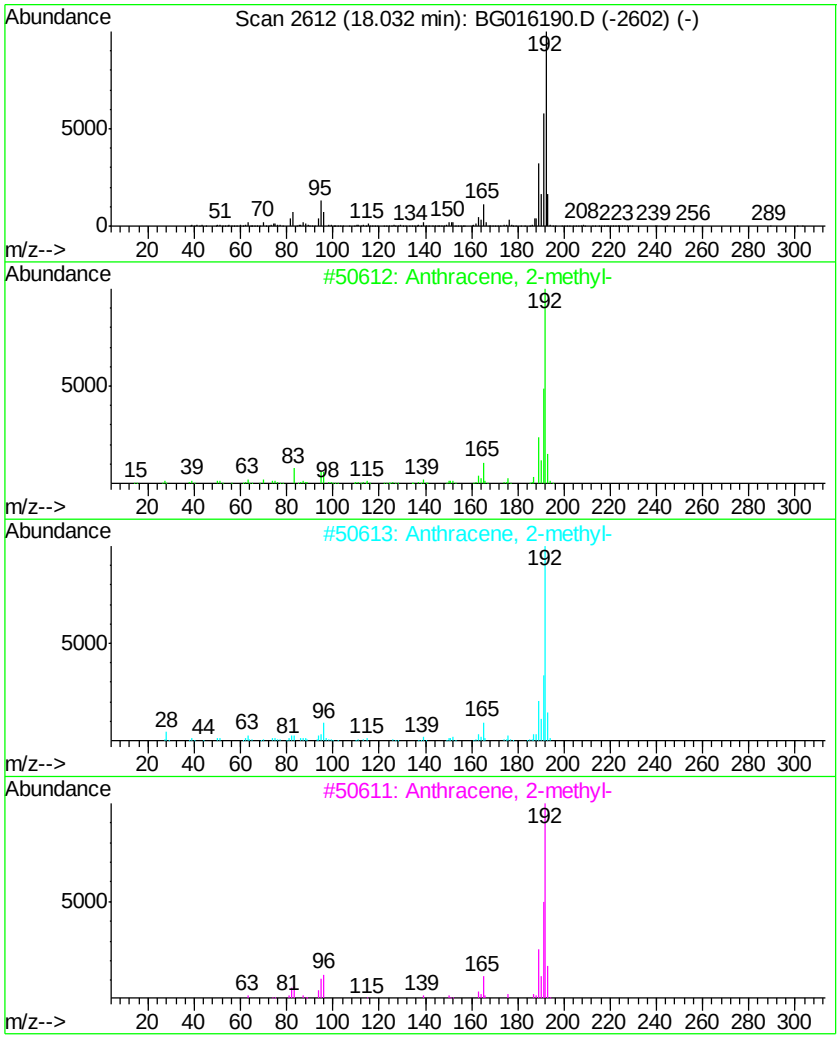

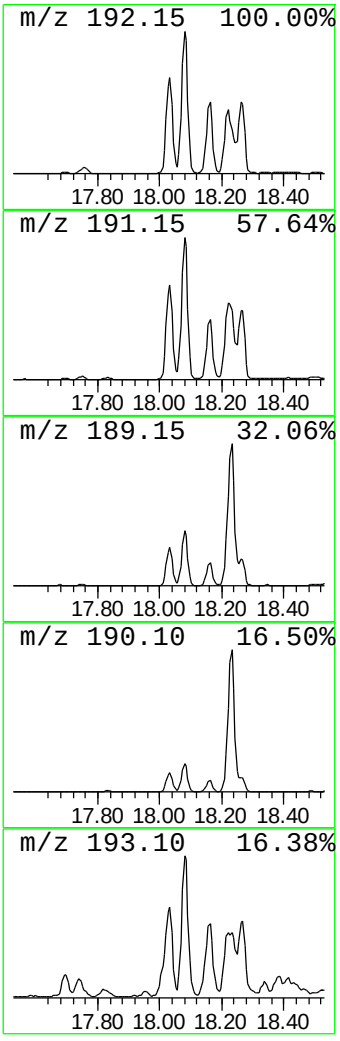

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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

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

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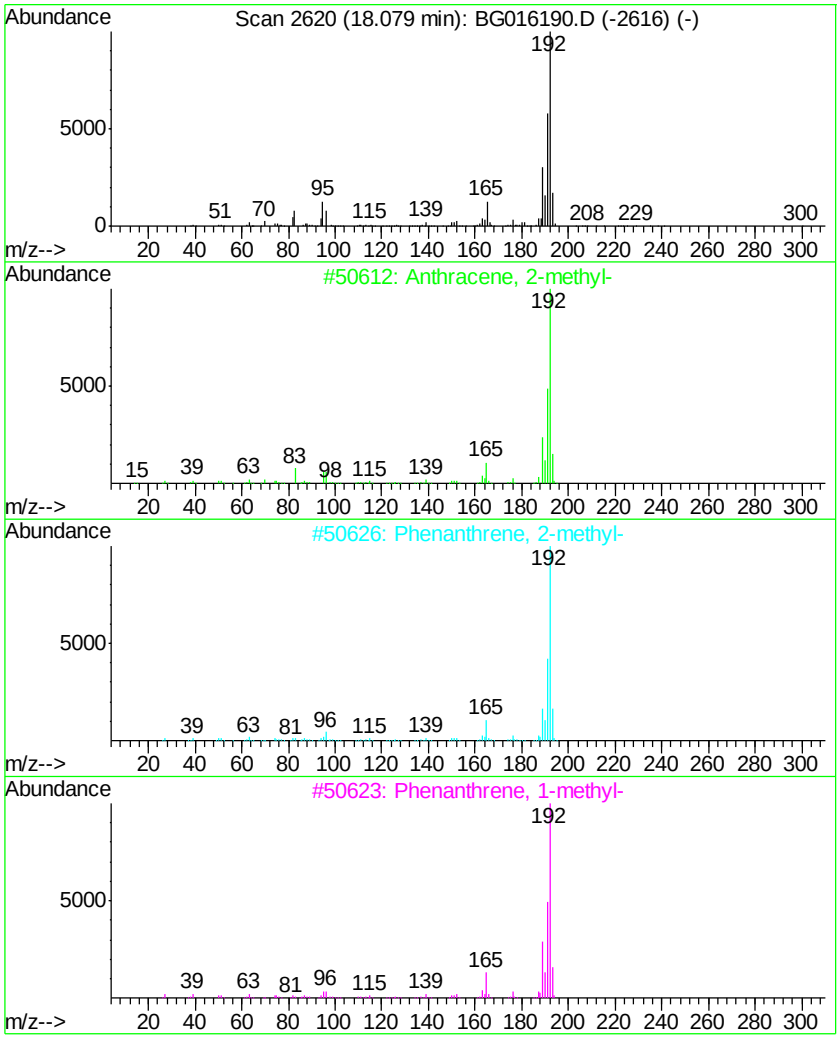
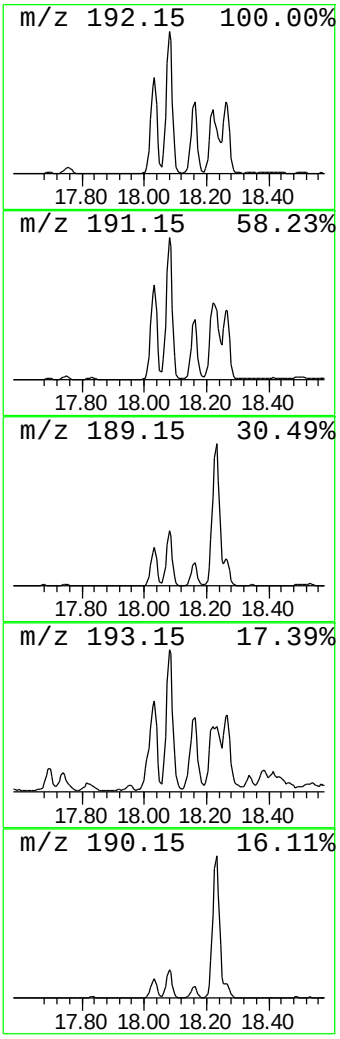
Peak Number 18 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	47.28 ng/ul	1959770	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Operator : TP/IZ
Sample : G1647-05
Misc :
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Instrument : BNA_G
ClientSampleId : C0AC4

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Quant Title : SVOA CALIBRATION

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

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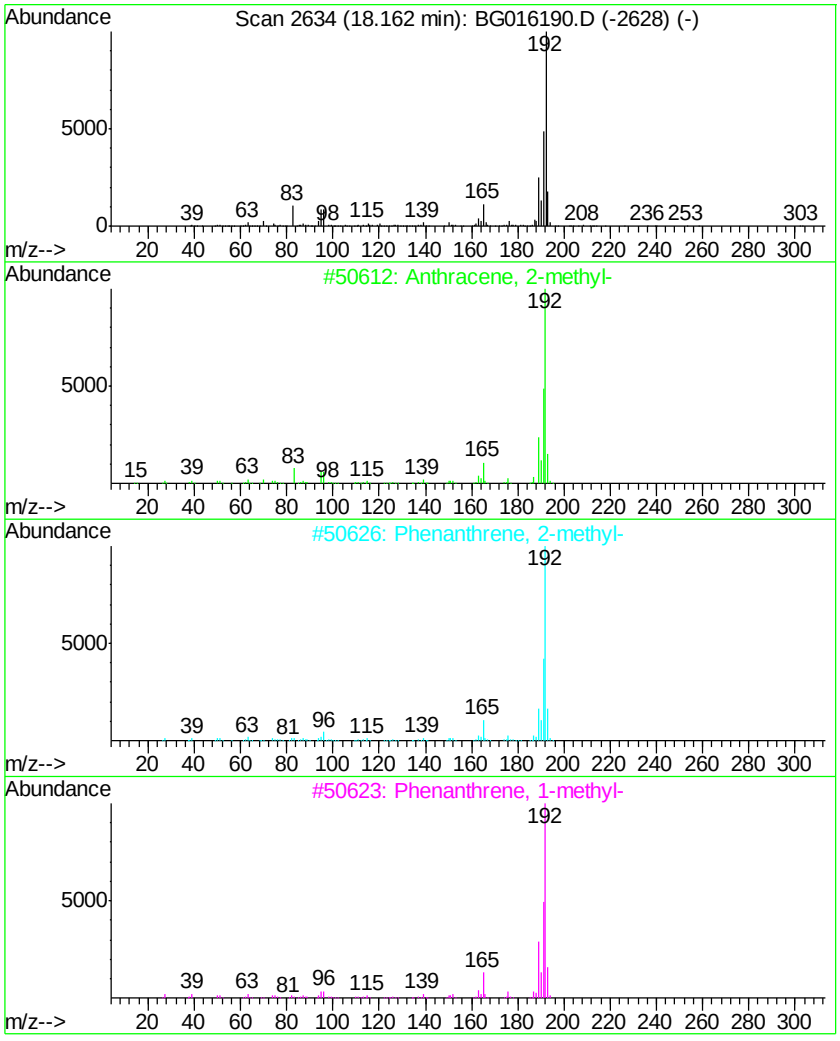
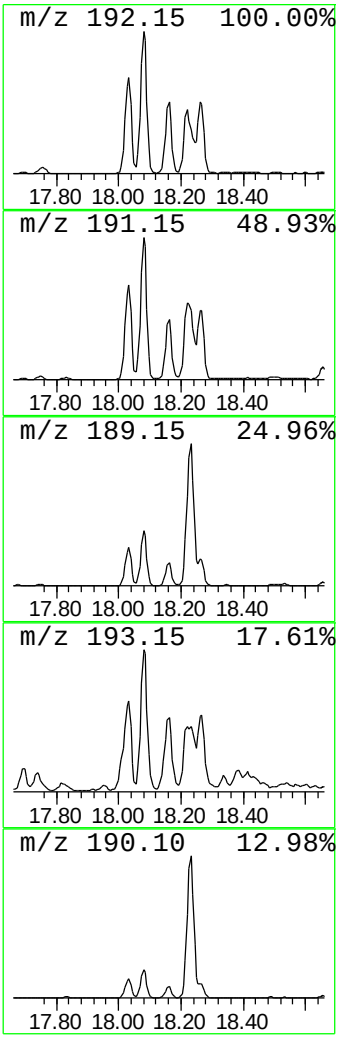
Peak Number 19 Phenanthrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	21.10 ng/ul	874465	Phenanthrene-d10	17.16

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





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ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC4

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Quant Title : SVOA CALIBRATION

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

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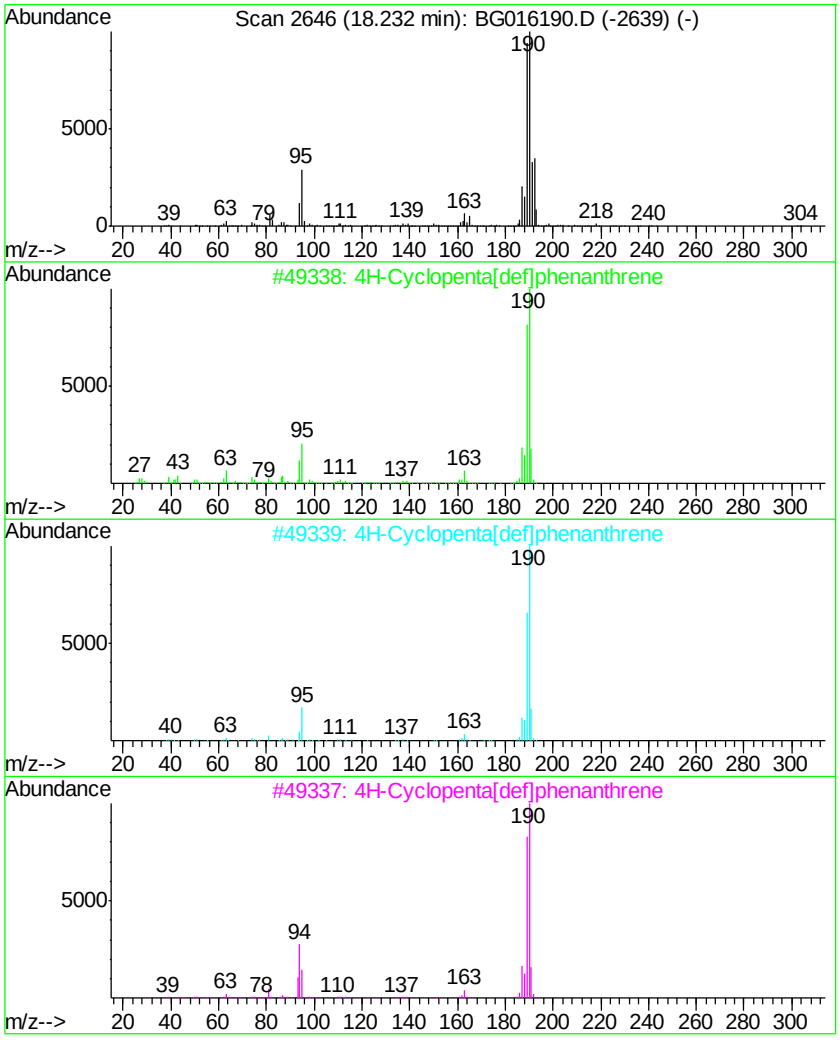
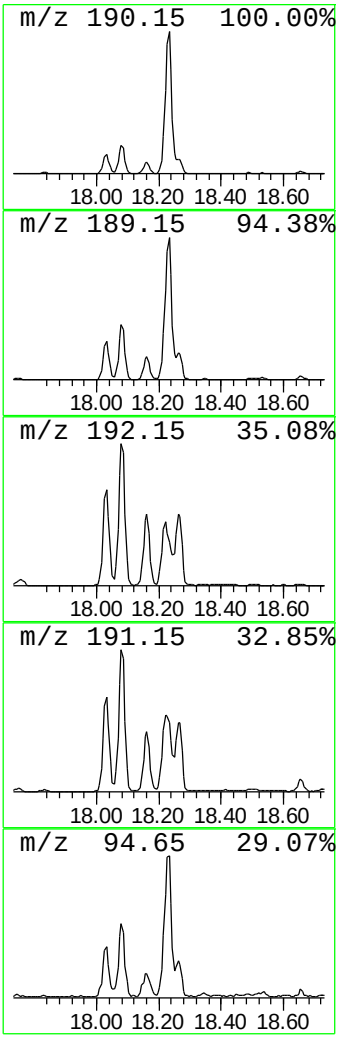
Peak Number 20 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	61.88 ng/ul	2565020	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	89
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
5	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	58





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Instrument : BNA_G
ClientSampleId : C0AC4

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Quant Title : SVOA CALIBRATION

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

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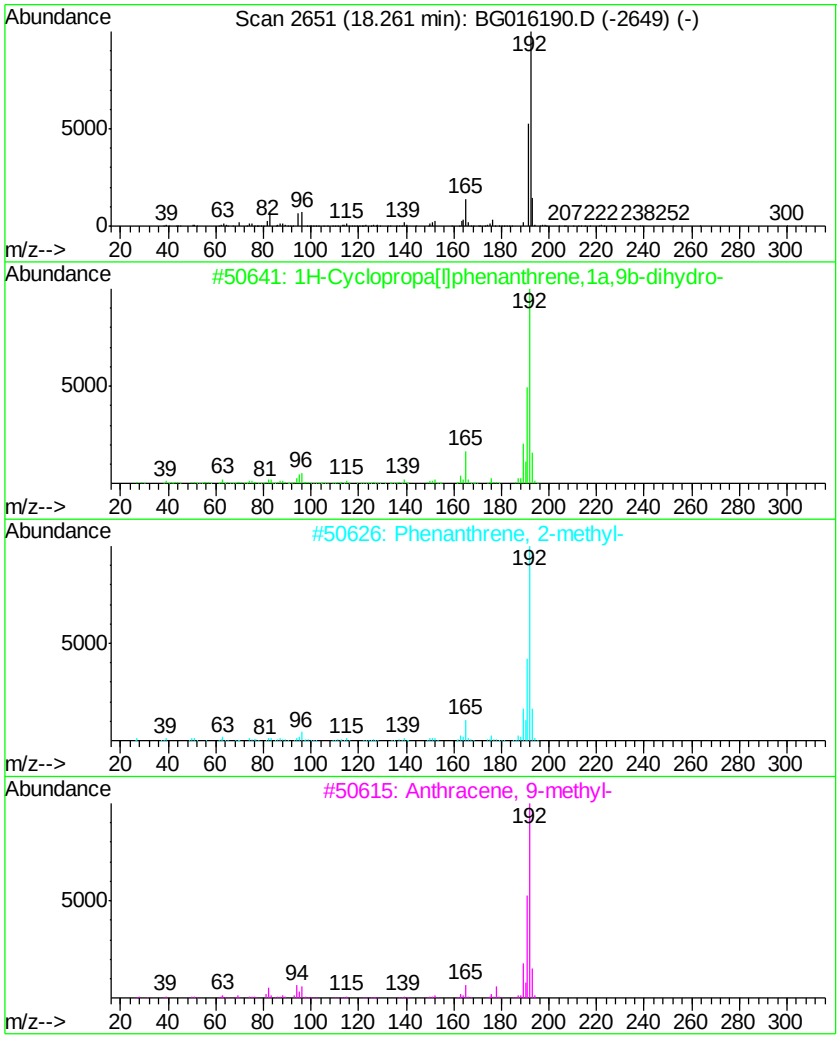
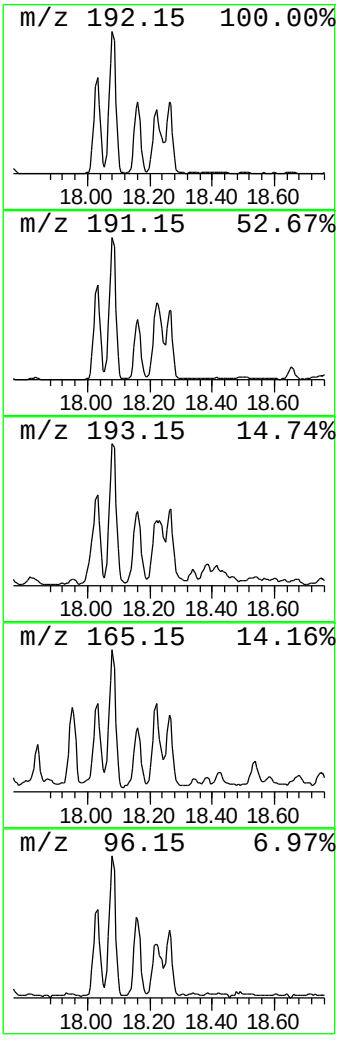
Peak Number 21 1H-Cyclopropa[l]phenanthren... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	19.05 ng/ul	789706	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





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Instrument : BNA_G
ClientSampleId : C0AC4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

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

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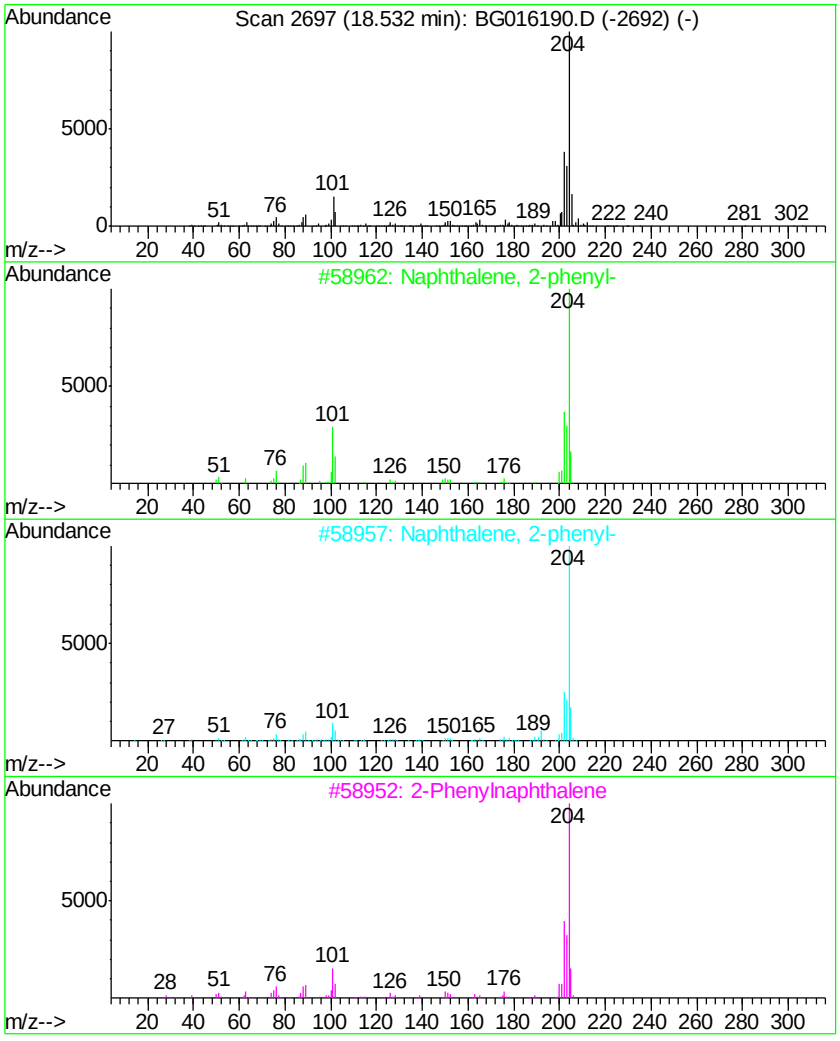
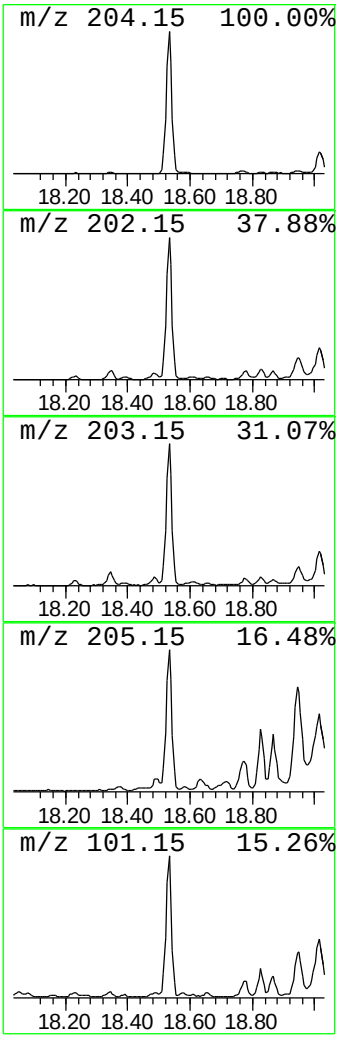
Peak Number 22 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	26.11 ng/ul	1082330	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	89
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86





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Quant Title : SVOA CALIBRATION

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

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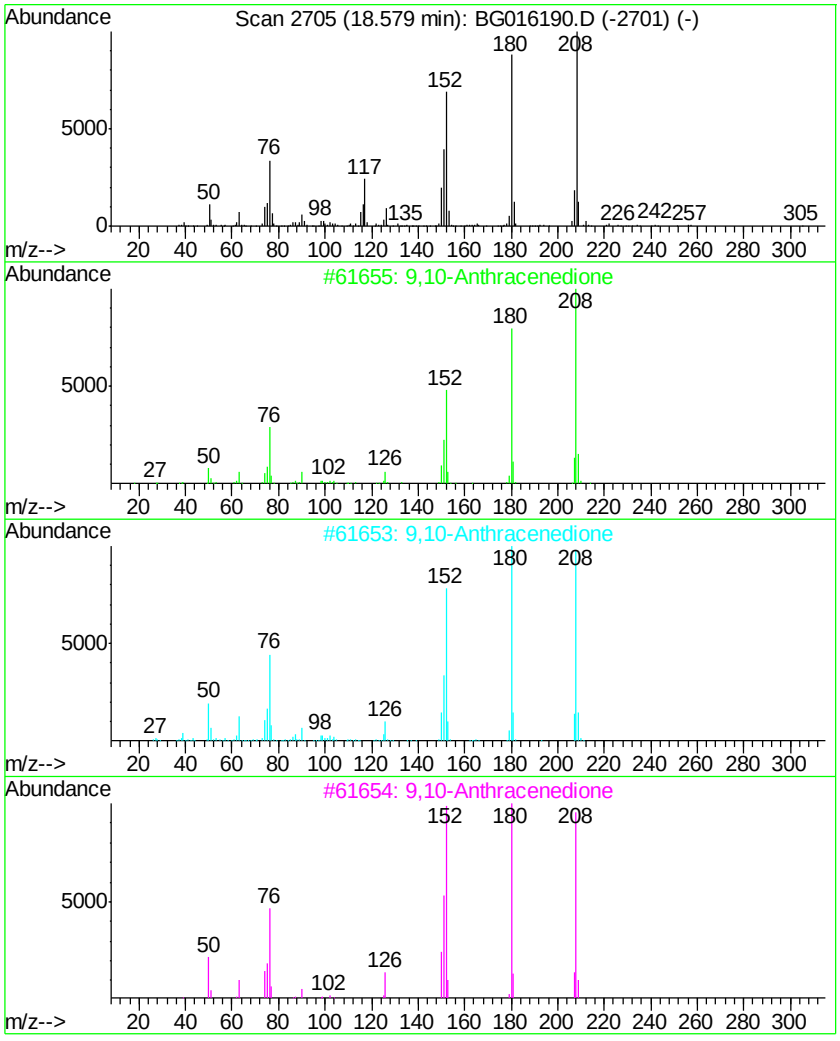
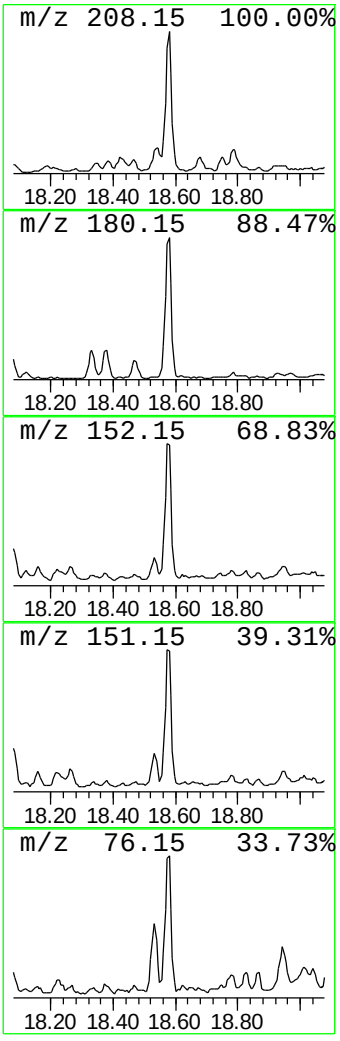
Peak Number 23 9,10-Anthracenedione Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.58	13.96 ng/ul	578843	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	49
5	5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	49





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Instrument : BNA_G
ClientSampleId : C0AC4

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Quant Title : SVOA CALIBRATION

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

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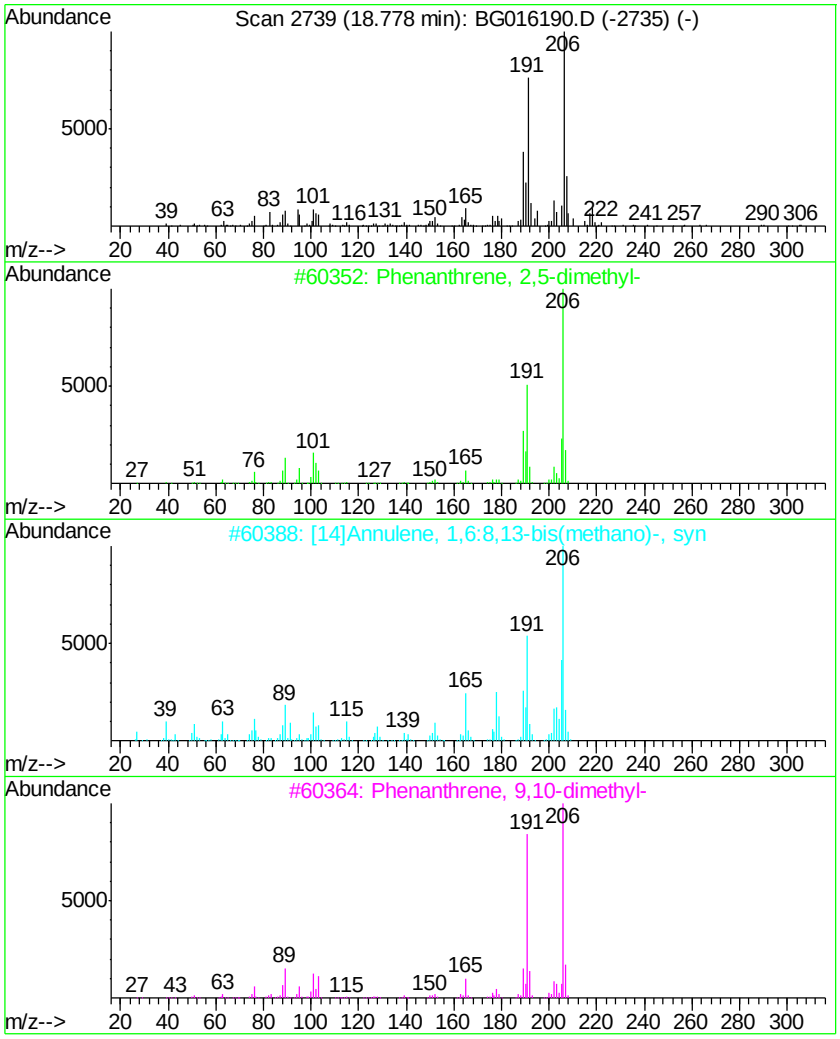
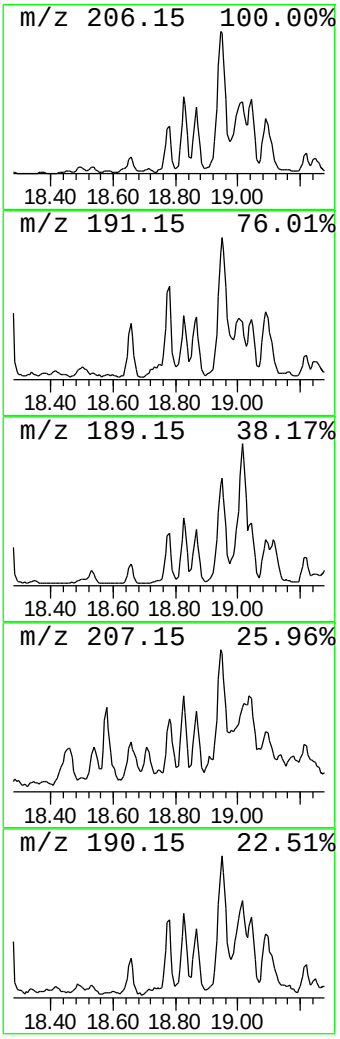
Peak Number 24 Phenanthrene, 2,5-dimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.78	6.95 ng/ul	288138	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
2	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	83
3	Phenanthrene, 9,10-dimethyl-	206	C16H14	000604-83-1	76
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	76
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	76





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Sample : G1647-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC4

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Quant Title : SVOA CALIBRATION

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

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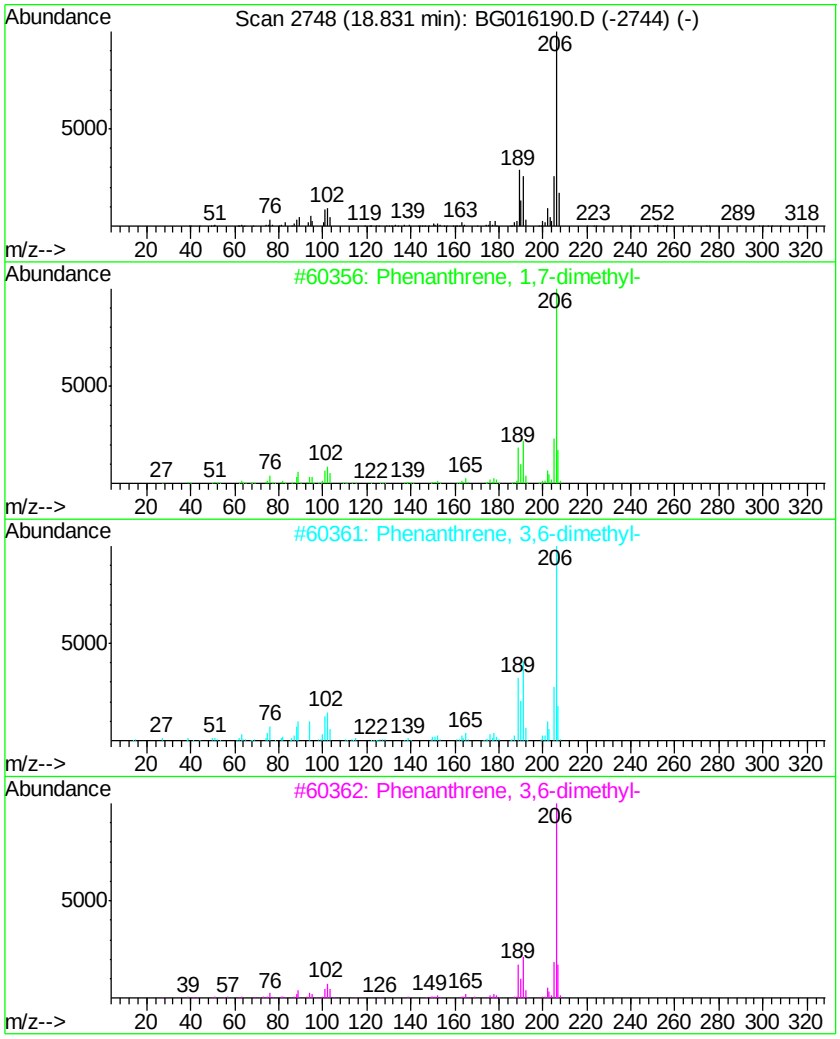
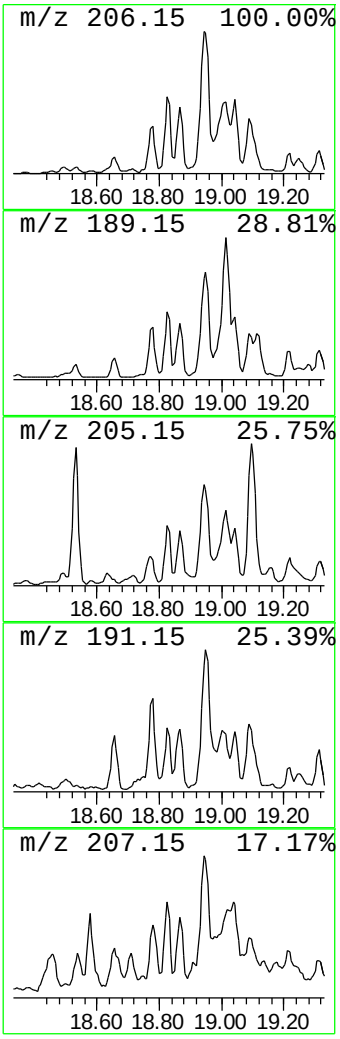
Peak Number 25 Phenanthrene, 1,7-dimethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	5.98 ng/ul	248055	Phenanthrene-d10	17.16

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





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Quant Title : SVOA CALIBRATION

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

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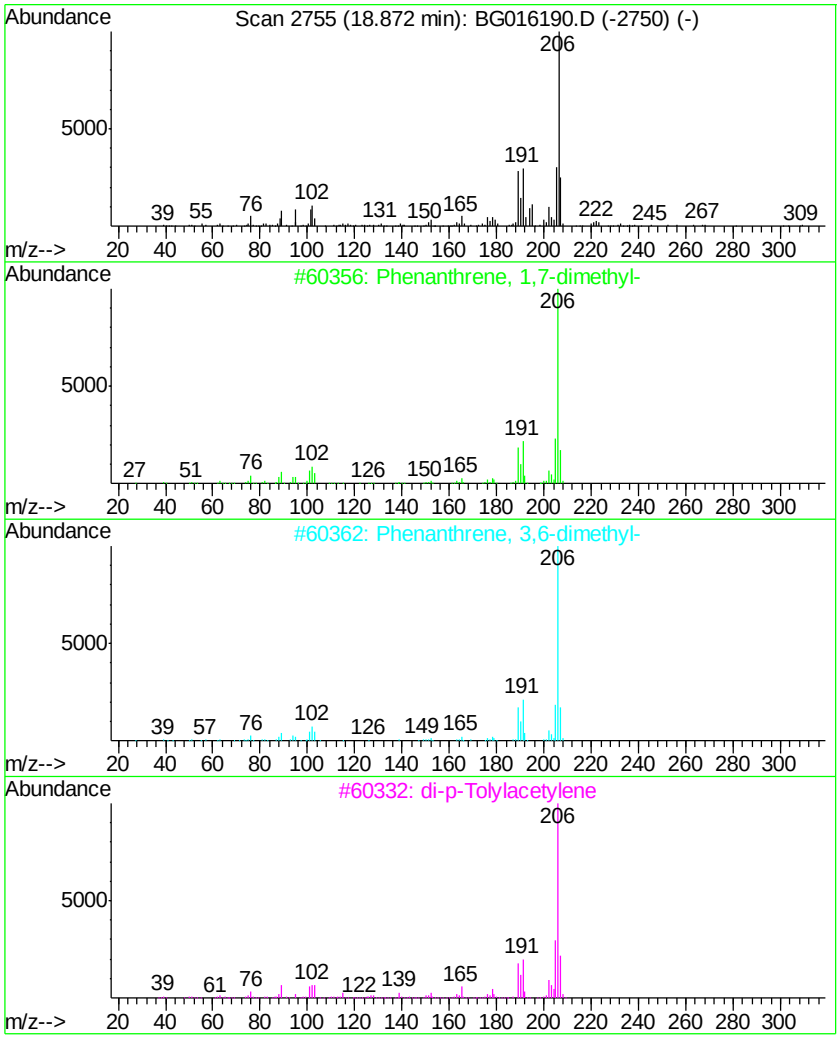
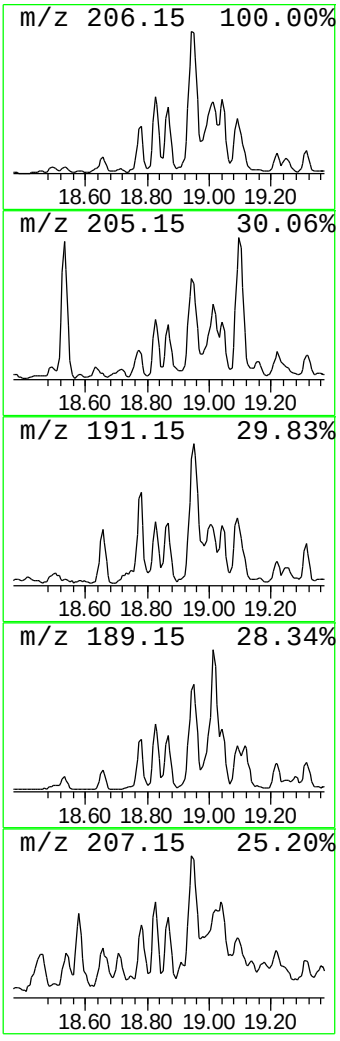
Peak Number 26 Phenanthrene, 3,6-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	7.92 ng/ul	328434	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	96
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91





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ClientSampleId : C0AC4

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Quant Title : SVOA CALIBRATION

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

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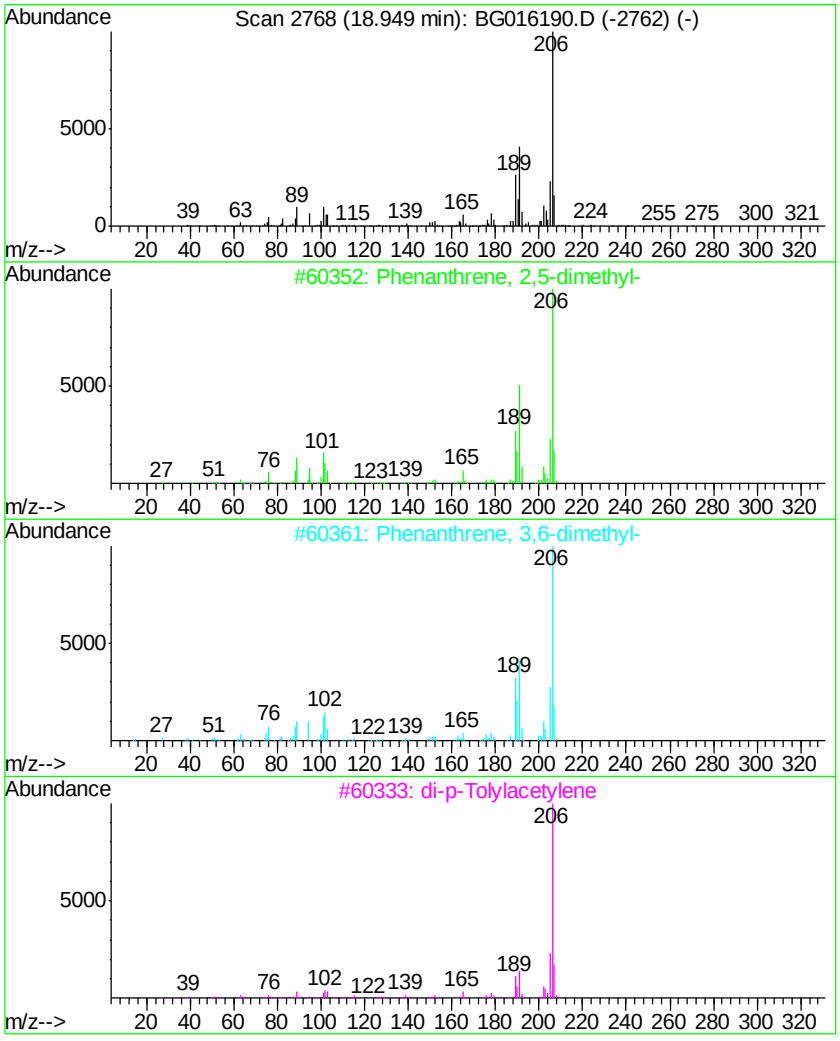
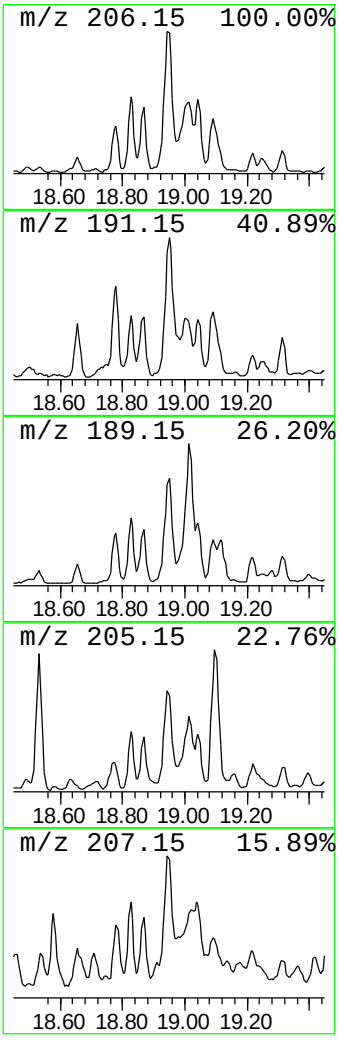
Peak Number 27 Phenanthrene, 2,7-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.95	23.40 ng/ul	969964	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	94
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94





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Quant Title : SVOA CALIBRATION

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

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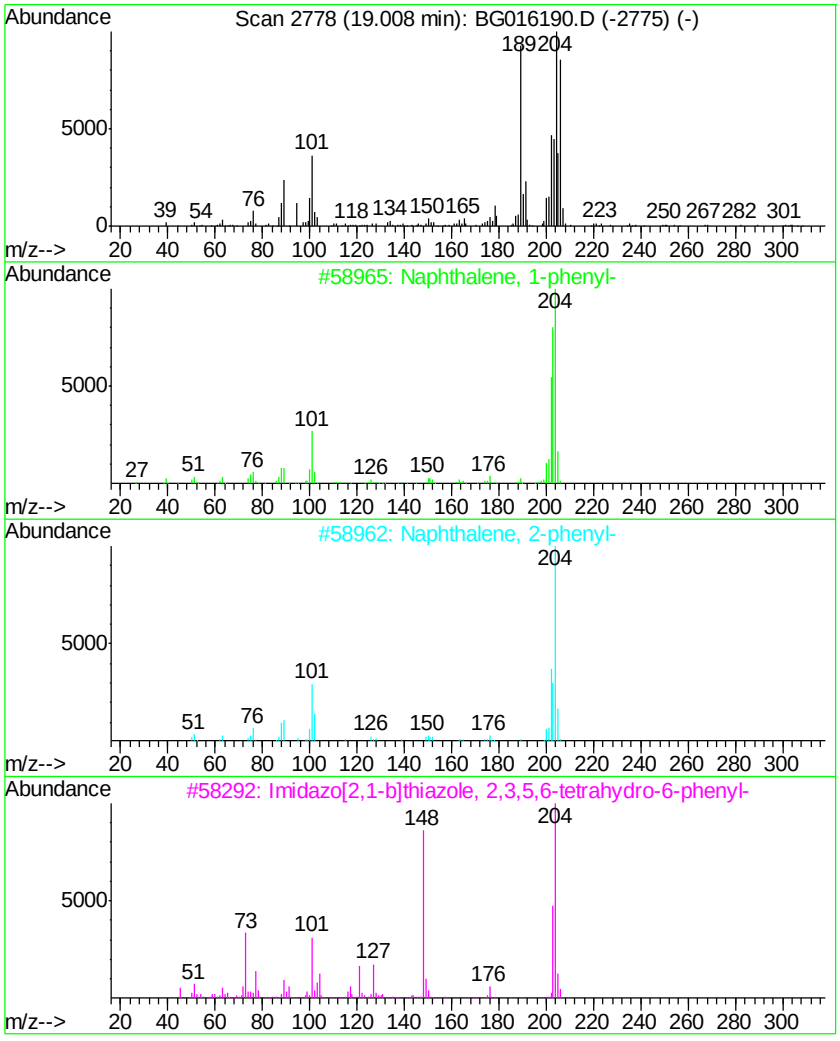
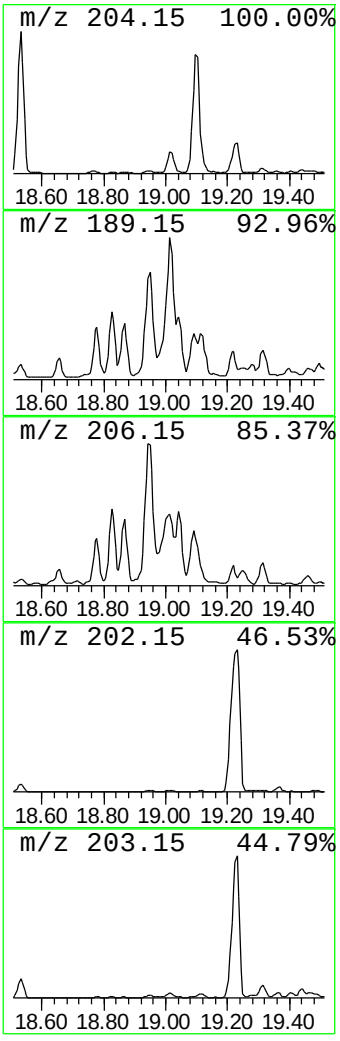
Peak Number 28 Naphthalene, 1-phenyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.01	10.92 ng/ul	452792	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	51
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	41
3	Imidazo[2,1-b]thiazole, 2,3,5,6-...	204	C11H12N2S	006649-23-6	38
4	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	30
5	2-Phenylnaphthalene	204	C16H12	035465-71-5	30





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Instrument : BNA_G
ClientSampleId : C0AC4

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Quant Title : SVOA CALIBRATION

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

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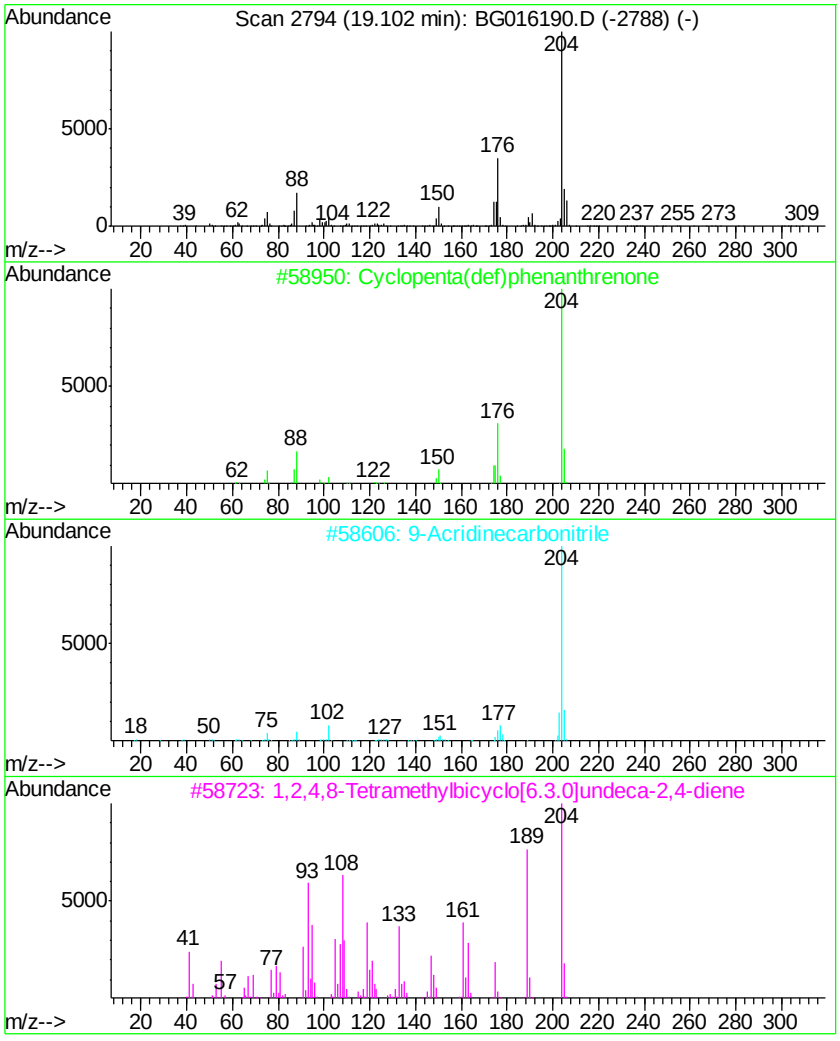
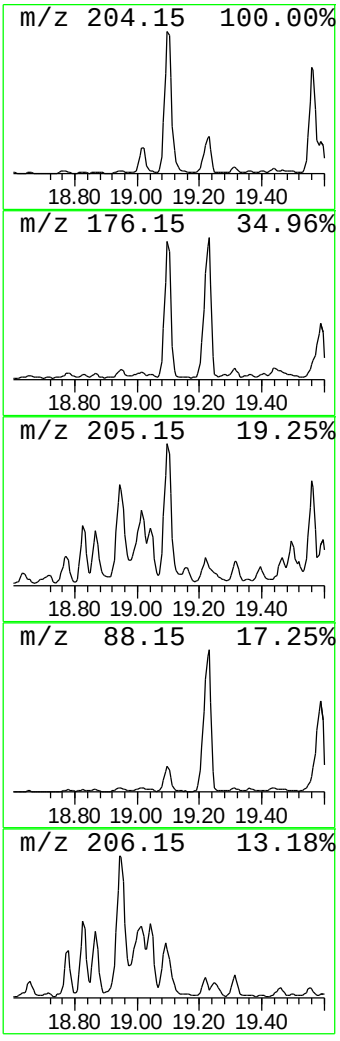
Peak Number 29 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.10	28.89 ng/ul	1197490	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	98
2	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	53
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	49
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	38





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ClientSampleId : C0AC4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

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

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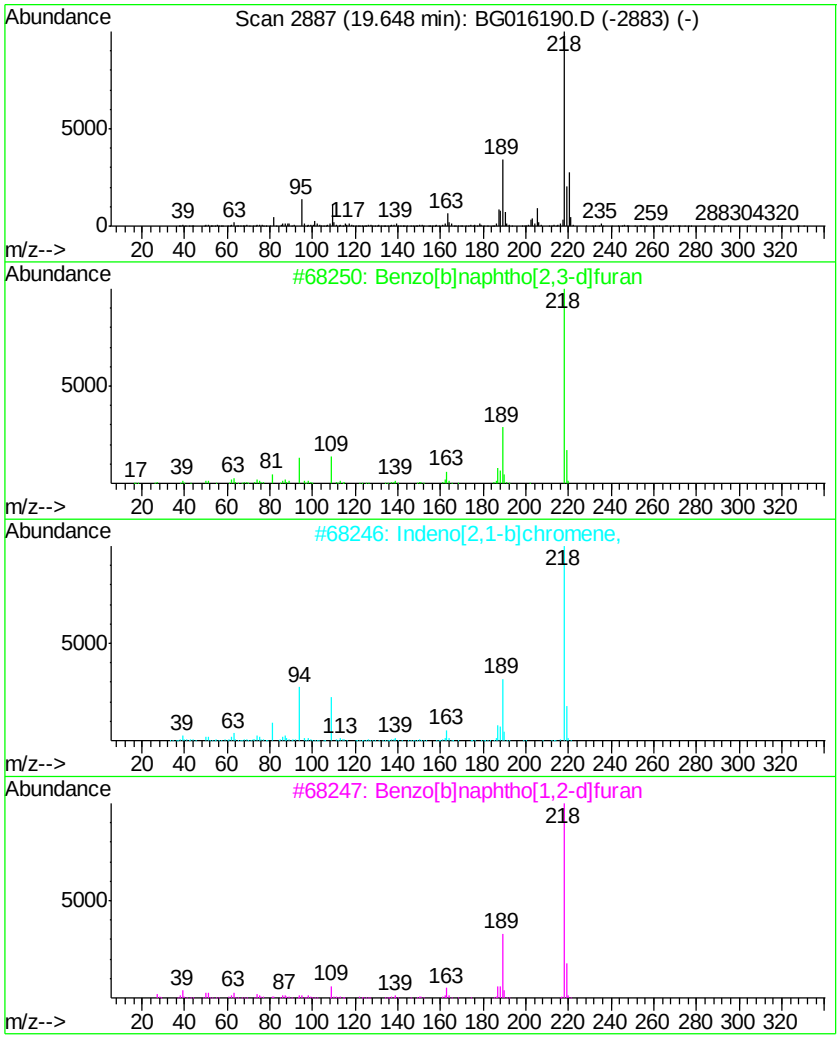
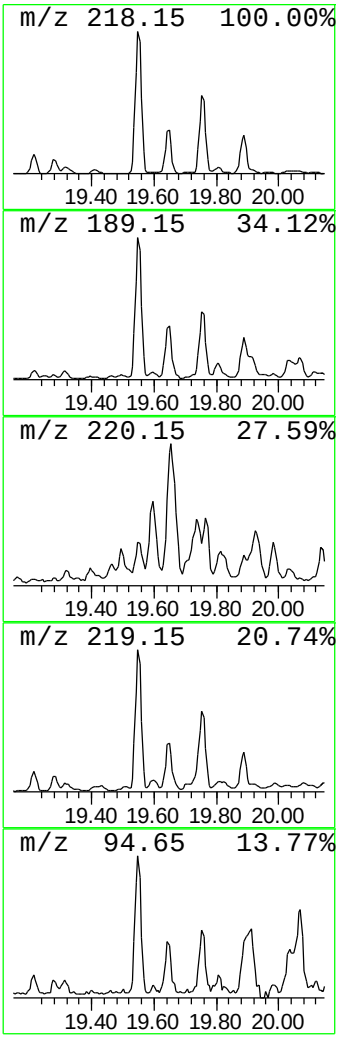
Peak Number 30 Benzo[b]naphtho[2,3-d]furan Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.65	2.12 ng/ul	883930	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	95
2	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	92
3	Benzo[b]naphtho[1,2-d]furan	218	C16H10O	000239-30-5	89
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	76
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	74





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016190.D
Acq On : 28 Mar 2015 00:06
Operator : TP/IZ
Sample : G1647-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

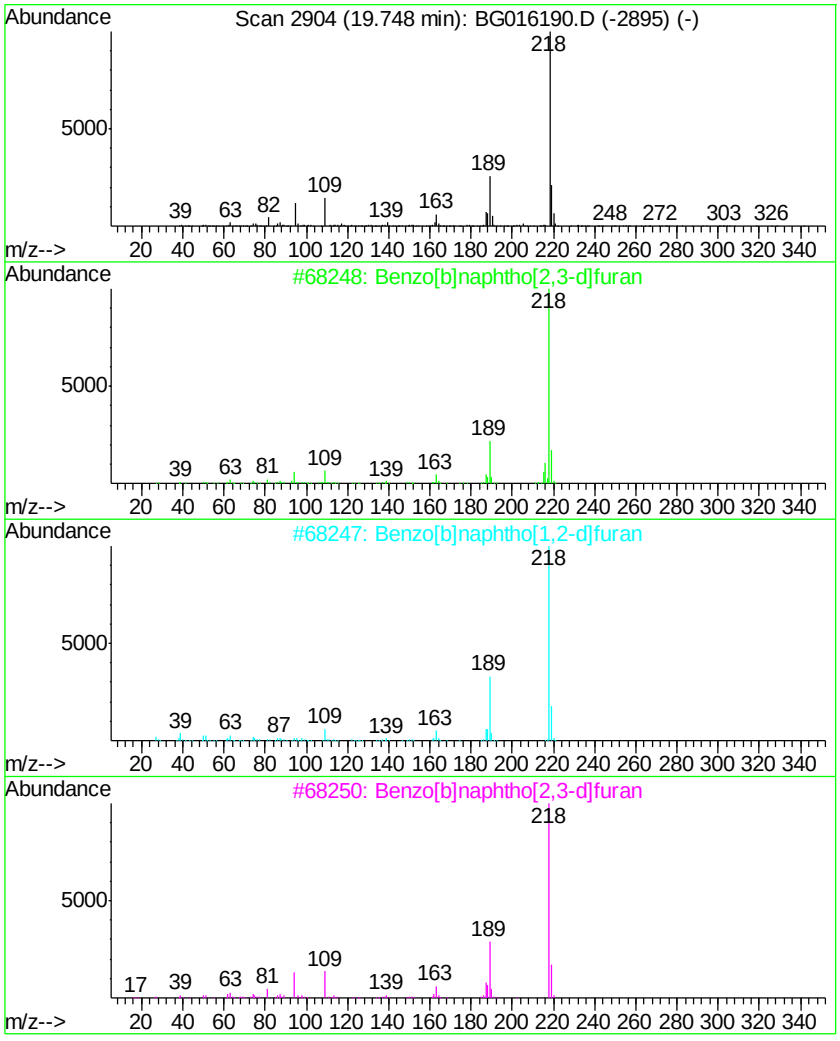
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

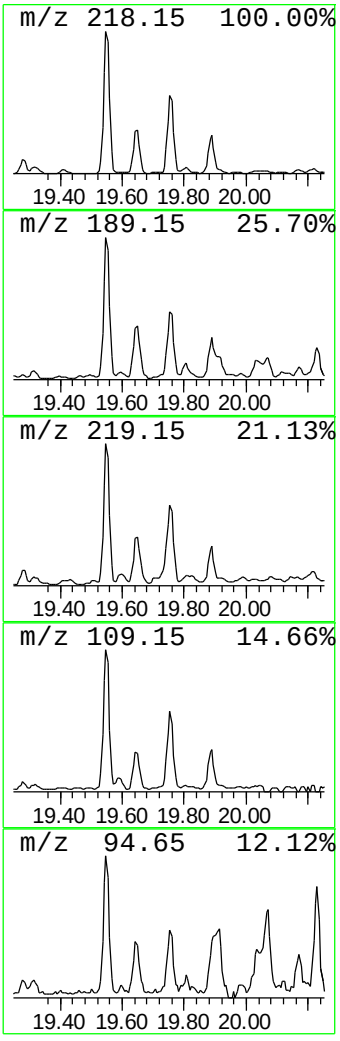
****

Peak Number 31 Benzo[b]naphtho[1,2-d]furan Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.75	2.84 ng/ul	1187110	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	93
2	Benzo[b]naphtho[1,2-d]furan	218	C16H10O	000239-30-5	93
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	93
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	91
5	Benzo[kl]xanthene	218	C16H10O	000200-23-7	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016190.D
Acq On : 28 Mar 2015 00:06
Operator : TP/IZ
Sample : G1647-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.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
Butane, 2-methoxy...	3.01	37.8	ng/ul	633276	1	7.79	335330	20.0
Naphthalene, 2,3-...	13.74	6.2	ng/ul	236887	3	14.41	762218	20.0
Naphthalene, 2,3,...	15.03	6.7	ng/ul	254250	3	14.41	762218	20.0
1-Isopropenylnaph...	15.59	6.3	ng/ul	241603	3	14.41	762218	20.0
Dibenzofuran, 4-m...	15.75	16.9	ng/ul	642122	3	14.41	762218	20.0
2,4,6-Cycloheptat...	15.90	22.9	ng/ul	948186	4	17.16	829055	20.0
(DEL) Alkane: Str...	16.12	14.7	ng/ul	609810	4	17.16	829055	20.0
9H-Fluorene, 2-me...	16.46	13.9	ng/ul	578439	4	17.16	829055	20.0
Naphtho[2,1-b]fur...	16.69	12.8	ng/ul	532227	4	17.16	829055	20.0
Phenol, 4-(2-phen...	16.73	9.4	ng/ul	389212	4	17.16	829055	20.0
9H-Fluoren-9-one	16.81	20.1	ng/ul	833392	4	17.16	829055	20.0
2,4,6-Trimethoxyb...	16.89	16.3	ng/ul	673438	4	17.16	829055	20.0
Dibenzothiophene	16.98	16.4	ng/ul	681940	4	17.16	829055	20.0
Anthracene, 9-eth...	17.67	7.8	ng/ul	321090	4	17.16	829055	20.0
Anthrone	17.74	9.7	ng/ul	401147	4	17.16	829055	20.0
Anthracene, 2-met...	18.03	37.1	ng/ul	1539110	4	17.16	829055	20.0
Phenanthrene, 2-m...	18.08	47.3	ng/ul	1959770	4	17.16	829055	20.0
Phenanthrene, 1-m...	18.16	21.1	ng/ul	874465	4	17.16	829055	20.0
4H-Cyclopenta[def...	18.23	61.9	ng/ul	2565020	4	17.16	829055	20.0
1H-Cyclopropa[l]p...	18.26	19.1	ng/ul	789706	4	17.16	829055	20.0
Naphthalene, 2-ph...	18.53	26.1	ng/ul	1082330	4	17.16	829055	20.0
9,10-Anthracenedione	18.58	14.0	ng/ul	578843	4	17.16	829055	20.0
Phenanthrene, 2,5...	18.78	7.0	ng/ul	288138	4	17.16	829055	20.0
Phenanthrene, 1,7...	18.83	6.0	ng/ul	248055	4	17.16	829055	20.0
Phenanthrene, 3,6...	18.87	7.9	ng/ul	328434	4	17.16	829055	20.0
Phenanthrene, 2,7...	18.95	23.4	ng/ul	969964	4	17.16	829055	20.0
Naphthalene, 1-ph...	19.01	10.9	ng/ul	452792	4	17.16	829055	20.0
Cyclopenta(def)ph...	19.10	28.9	ng/ul	1197490	4	17.16	829055	20.0
Benzo[b]naphtho[2...	19.65	2.1	ng/ul	883930	5	21.34	8357560	20.0
Benzo[b]naphtho[1...	19.75	2.8	ng/ul	1187110	5	21.34	8357560	20.0