LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG111715\
Data File : BG019681.D
Acq On : 18 Nov 2015 4:39
Operator : UM/NP
Sample : G4427-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7D1

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-BG111615.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	3.084	36	42	50	rBV2	86886	156387	2.39%	0.214%
2	3.167	50	56	74	rVB	1592529	2296877	35.12%	3.141%
3	7.297	751	759	772	rVB	105096	198272	3.03%	0.271%
4	7.462	781	787	794	rVB	82551	128777	1.97%	0.176%
5	7.673	817	823	832	rVB	98961	167090	2.55%	0.229%
6	8.149	897	904	910	rVB	122693	201389	3.08%	0.275%
7	8.854	1017	1024	1032	rBV2	139676	236871	3.62%	0.324%
8	9.318	1097	1103	1109	rBV	108853	187399	2.87%	0.256%
9	10.047	1220	1227	1236	rBV2	94281	169580	2.59%	0.232%
10	10.593	1313	1320	1327	rBV	146395	255515	3.91%	0.349%
11	10.975	1379	1385	1390	rBV	179174	324675	4.96%	0.444%
12	11.028	1390	1394	1401	rVB	104744	170688	2.61%	0.233%
13	11.110	1401	1408	1414	rBV	104000	196566	3.01%	0.269%
14	14.177	1924	1930	1934	rVV	303916	446837	6.83%	0.611%
15	14.224	1934	1938	1945	rVB	241976	356855	5.46%	0.488%
16	14.477	1973	1981	1985	rBV	282162	486160	7.43%	0.665%
17	14.782	2028	2033	2039	rVV2	329575	537199	8.21%	0.735%
18	14.847	2039	2044	2051	rVB	291666	448599	6.86%	0.614%
19	14.970	2059	2065	2076	rBV2	148720	257001	3.93%	0.352%
20	15.176	2093	2100	2107	rVB2	155219	253077	3.87%	0.346%
21	15.388	2129	2136	2141	rBV3	64751	131496	2.01%	0.180%
22	15.770	2196	2201	2206	rVV	423817	649444	9.93%	0.888%
23	15.828	2206	2211	2217	rVV2	314754	561112	8.58%	0.767%
24	16.116	2255	2260	2266	rVV	193431	322810	4.94%	0.442%
25	16.263	2274	2285	2293	rVV2	229840	519865	7.95%	0.711%
26	16.486	2319	2323	2330	rVB3	75161	128062	1.96%	0.175%
27	16.827	2372	2381	2385	rVV2	169347	361072	5.52%	0.494%
28	16.874	2385	2389	2394	rVV2	75272	123325	1.89%	0.169%
29	16.974	2400	2406	2411	rVV	93545	154048	2.36%	0.211%
30	17.050	2411	2419	2422	rVV3	141384	268351	4.10%	0.367%
31	17.091	2422	2426	2429	rVV2	130468	214999	3.29%	0.294%
32	17.180	2437	2441	2447	rVV3	92829	163734	2.50%	0.224%
33	17.244	2447	2452	2458	rVV2	150787	287113	4.39%	0.393%
34	17.344	2464	2469	2477	rVB	235297	396717	6.07%	0.543%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG111715\
Data File : BG019681.D
Acq On : 18 Nov 2015 4:39
Operator : UM/NP
Sample : G4427-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7D1

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-BG111615.M
Title : SVOA CALIBRATION

35	17.526	2493	2500	2503	rBV	460815	762229	11.66%	1.043%
36	17.573	2503	2508	2513	rVV	2225033	3405907	52.08%	4.658%
37	17.626	2513	2517	2519	rVV2	449075	678162	10.37%	0.928%
38	17.661	2519	2523	2527	rVV	673741	1033670	15.81%	1.414%
39	17.708	2527	2531	2536	rVV3	93060	199576	3.05%	0.273%
40	17.797	2541	2546	2556	rVV5	44639	127323	1.95%	0.174%
41	17.955	2569	2573	2583	rVV3	70734	200837	3.07%	0.275%
42	18.037	2583	2587	2594	rVV	102799	159998	2.45%	0.219%
43	18.237	2615	2621	2630	rVB4	54577	138808	2.12%	0.190%
44	18.396	2642	2648	2652	rBV	395506	606496	9.27%	0.830%
45	18.443	2652	2656	2662	rVB	496745	732292	11.20%	1.002%
46	18.525	2662	2670	2675	rBV	351069	537432	8.22%	0.735%
47	18.596	2675	2682	2686	rBV3	827742	1466158	22.42%	2.005%
48	18.883	2726	2731	2736	rVB	409988	564097	8.63%	0.772%
49	19.124	2768	2772	2777	rBV	92953	129458	1.98%	0.177%
50	19.218	2784	2788	2793	rVB	95158	130875	2.00%	0.179%
51	19.295	2796	2801	2807	rBV	255093	501067	7.66%	0.685%
52	19.365	2808	2813	2816	rBV	137656	213360	3.26%	0.292%
53	19.442	2821	2826	2829	rBV	86306	153998	2.35%	0.211%
54	19.577	2840	2849	2854	rBV	4074966	6539778	100.00%	8.944%
55	19.659	2860	2863	2867	rVB2	105133	133481	2.04%	0.183%
56	19.718	2867	2873	2877	rBV	507937	747460	11.43%	1.022%
57	19.812	2884	2889	2897	rVB2	167670	352147	5.38%	0.482%
58	19.900	2898	2904	2906	rBV3	1237311	2066970	31.61%	2.827%
59	19.935	2906	2910	2916	rVV	3292604	5111886	78.17%	6.992%
60	19.994	2916	2920	2927	rVB3	267788	446716	6.83%	0.611%
61	20.100	2933	2938	2943	rVB	338214	489063	7.48%	0.669%
62	20.153	2943	2947	2956	rVB5	59337	144973	2.22%	0.198%
63	20.235	2956	2961	2969	rBV2	319313	827988	12.66%	1.132%
64	20.411	2979	2991	2996	rVB	955399	1799451	27.52%	2.461%
65	20.511	2999	3008	3012	rVV	966661	1417853	21.68%	1.939%
66	20.570	3012	3018	3022	rVV2	419827	860696	13.16%	1.177%
67	20.664	3027	3034	3038	rVV2	318079	599516	9.17%	0.820%
68	20.711	3038	3042	3045	rVV	249510	377241	5.77%	0.516%
69	20.758	3046	3050	3060	rVB2	290695	557490	8.52%	0.762%
70	21.005	3088	3092	3095	rVV3	120107	190495	2.91%	0.261%
71	21.034	3095	3097	3102	rVB2	121266	164341	2.51%	0.225%

LSC Area Percent Report

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Acq On : 18 Nov 2015 4:39
Operator : UM/NP
Sample : G4427-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7D1

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-BG111615.M
Title : SVOA CALIBRATION

72	21.128	3108	3113	3118	rBV3	156550	300197	4.59%	0.411%
73	21.181	3119	3122	3129	rVB4	111960	208753	3.19%	0.286%
74	21.369	3149	3154	3157	rBV	204269	312927	4.78%	0.428%
75	21.410	3157	3161	3165	rVB	338932	526901	8.06%	0.721%
76	21.463	3165	3170	3175	rBV2	278361	474043	7.25%	0.648%
77	21.651	3194	3202	3208	rBV2	100906	313586	4.80%	0.429%
78	21.786	3215	3225	3231	rBV2	2214257	4947525	75.65%	6.767%
79	21.851	3231	3236	3247	rVB	1524886	2809088	42.95%	3.842%
80	22.003	3257	3262	3268	rBV	298908	500051	7.65%	0.684%
81	22.209	3292	3297	3304	rBV3	191703	387006	5.92%	0.529%
82	22.544	3345	3354	3360	rVV	314654	760583	11.63%	1.040%
83	22.614	3362	3366	3373	rVB	147884	277132	4.24%	0.379%
84	22.767	3387	3392	3397	rVV2	167752	321973	4.92%	0.440%
85	22.826	3397	3402	3406	rVV2	144792	317420	4.85%	0.434%
86	22.879	3407	3411	3418	rVB3	212459	427022	6.53%	0.584%
87	22.973	3421	3427	3434	rVB4	96760	223294	3.41%	0.305%
88	23.684	3542	3548	3554	rVB2	80162	166483	2.55%	0.228%
89	24.072	3603	3614	3621	rBV	880252	3169780	48.47%	4.335%
90	24.324	3650	3657	3667	rVB	280562	714136	10.92%	0.977%
91	24.536	3687	3693	3697	rBV3	72245	185493	2.84%	0.254%
92	24.818	3732	3741	3749	rBV	438136	1316761	20.13%	1.801%
93	24.894	3749	3754	3759	rVV	214766	558545	8.54%	0.764%
94	24.976	3759	3768	3778	rVB	938149	2679438	40.97%	3.665%
95	25.123	3784	3793	3800	rBV2	274884	856338	13.09%	1.171%
96	25.200	3800	3806	3820	rVB2	265643	860095	13.15%	1.176%
97	28.942	4427	4443	4461	rVB3	333035	1771951	27.09%	2.424%
98	29.589	4542	4553	4561	rBV3	64556	249314	3.81%	0.341%
99	30.135	4631	4646	4659	rBV3	206250	961006	14.69%	1.314%
100	30.758	4742	4752	4753	rBV	88328	191001	2.92%	0.261%

Sum of corrected areas: 73115092

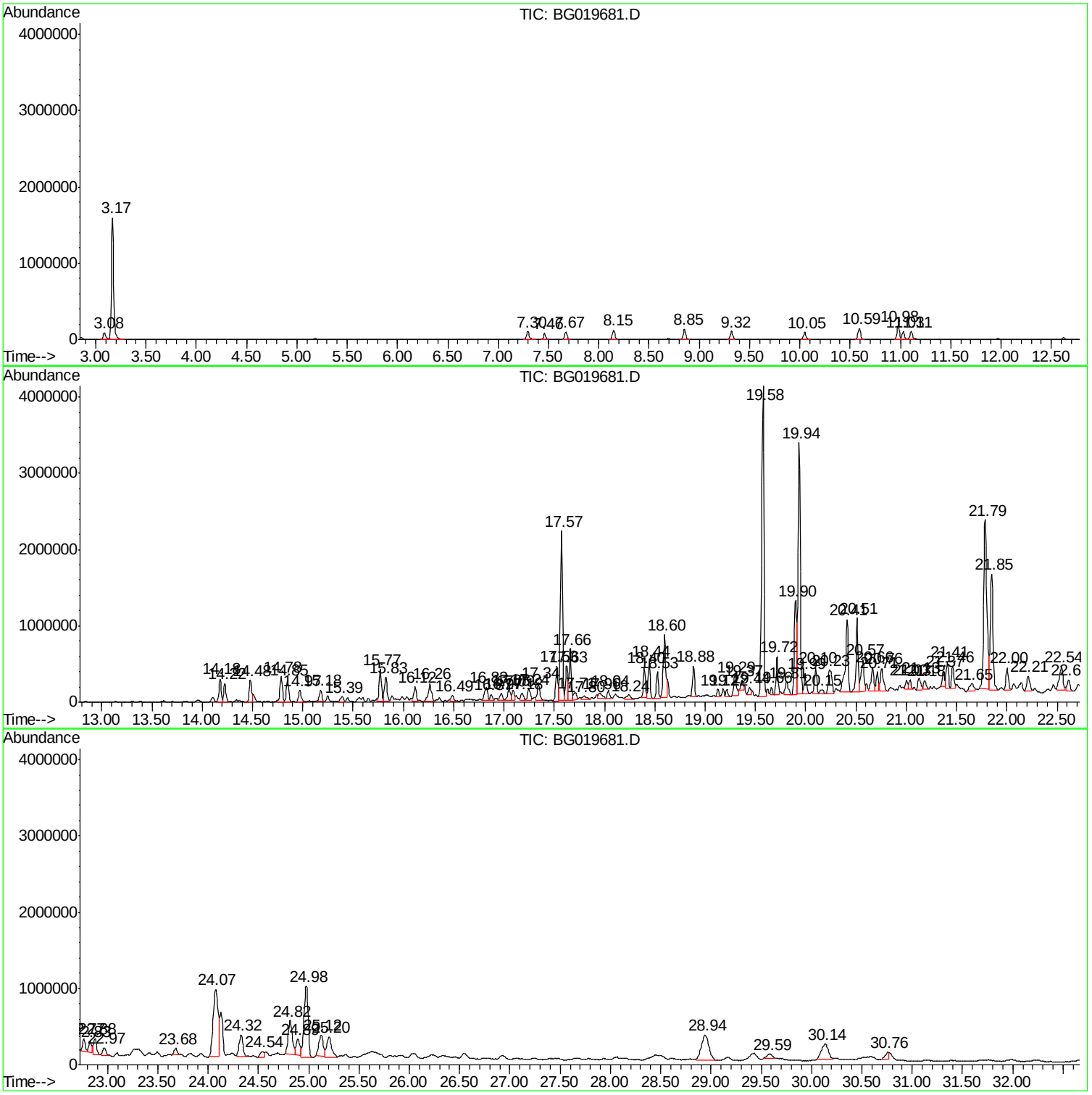
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG111715\
Data File : BG019681.D
Acq On : 18 Nov 2015 4:39
Operator : UM/NP
Sample : G4427-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7D1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.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_G\DATA\BG111715\
Data File : BG019681.D
Acq On : 18 Nov 2015 4:39
Operator : UM/NP
Sample : G4427-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7D1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

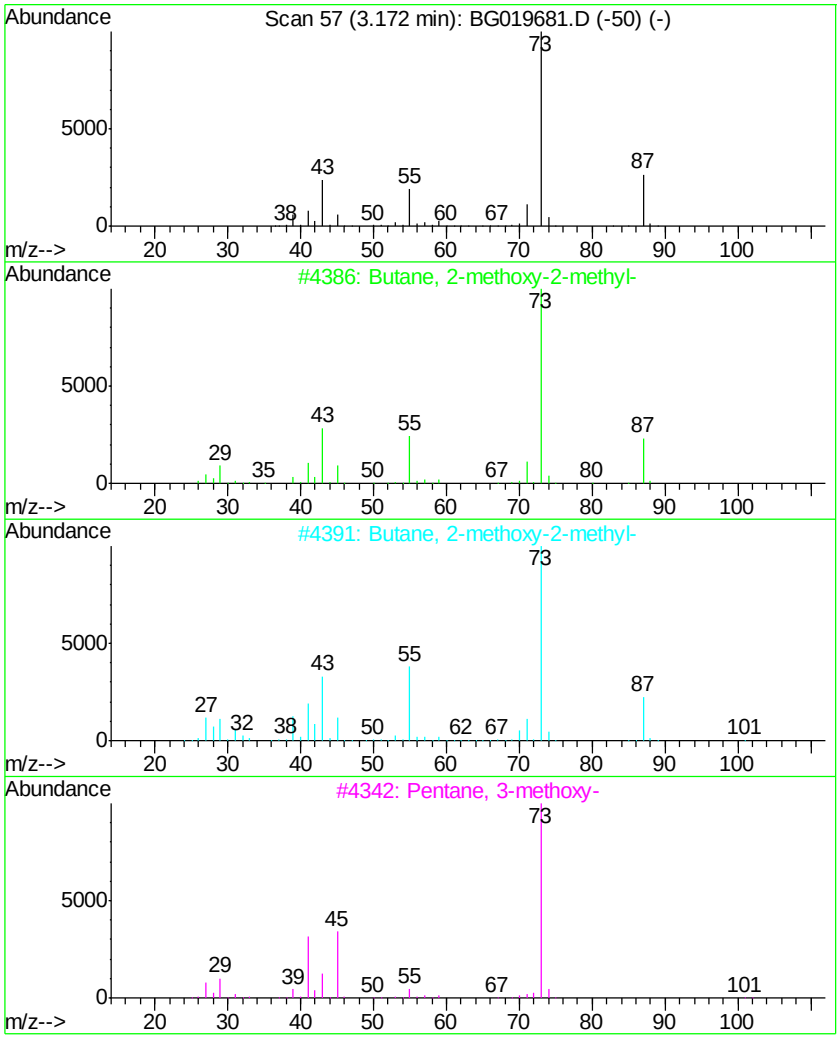
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

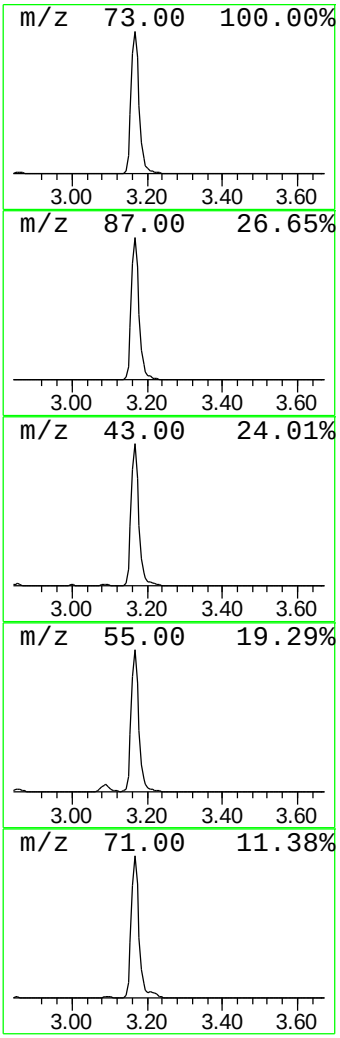
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	228.10 ng/ul	2296880	1,4-Dichlorobenzene-d4	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	90
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG111715\
Data File : BG019681.D
Acq On : 18 Nov 2015 4:39
Operator : UM/NP
Sample : G4427-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7D1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

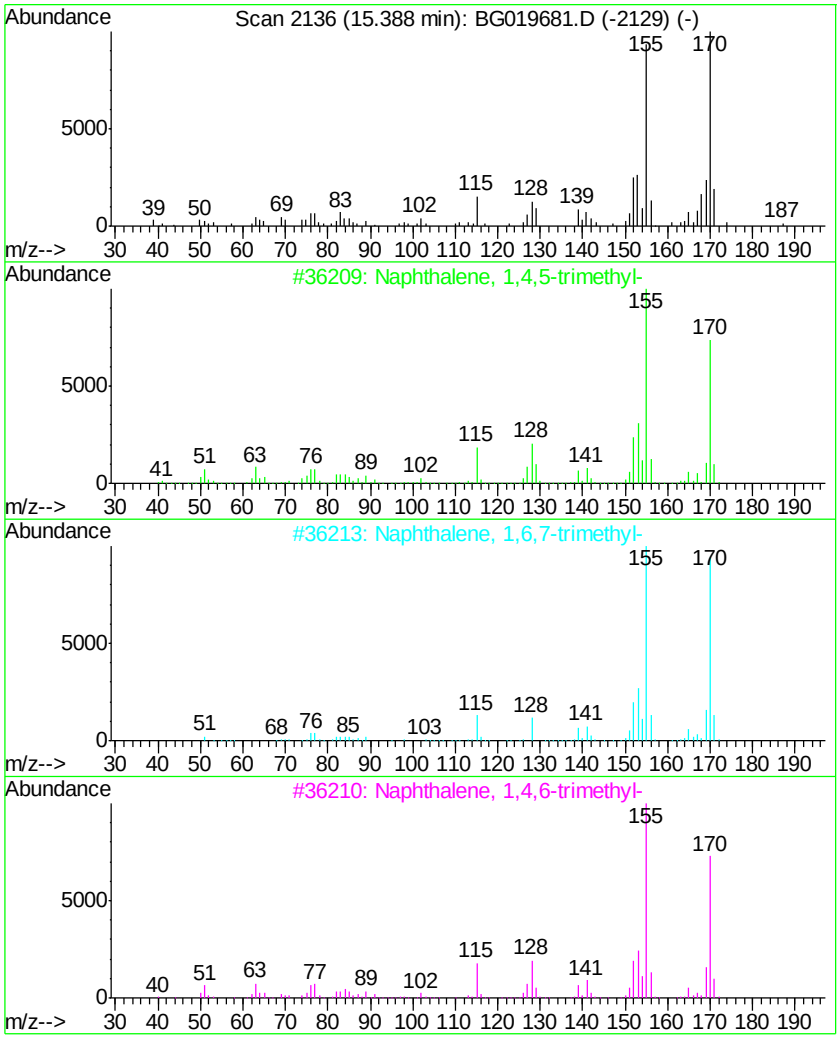
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

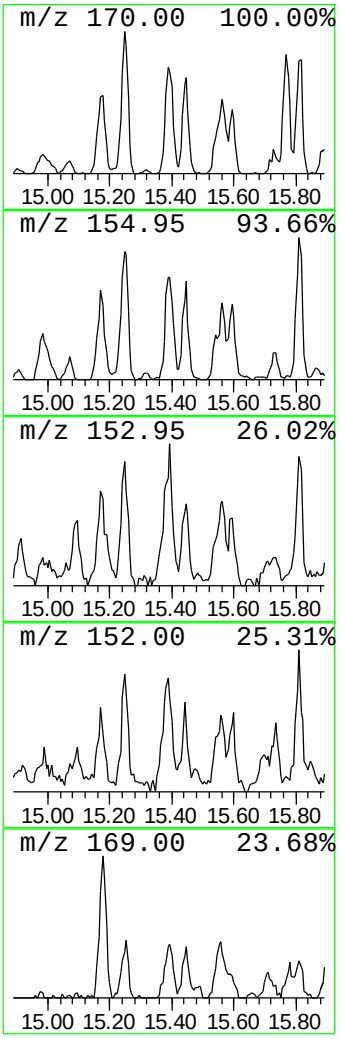
****

Peak Number 3 Naphthalene, 1,4,5-trimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	4.90 ng/ul	131496	Acenaphthene-d10	14.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG111715\
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Operator : UM/NP
Sample : G4427-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7D1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

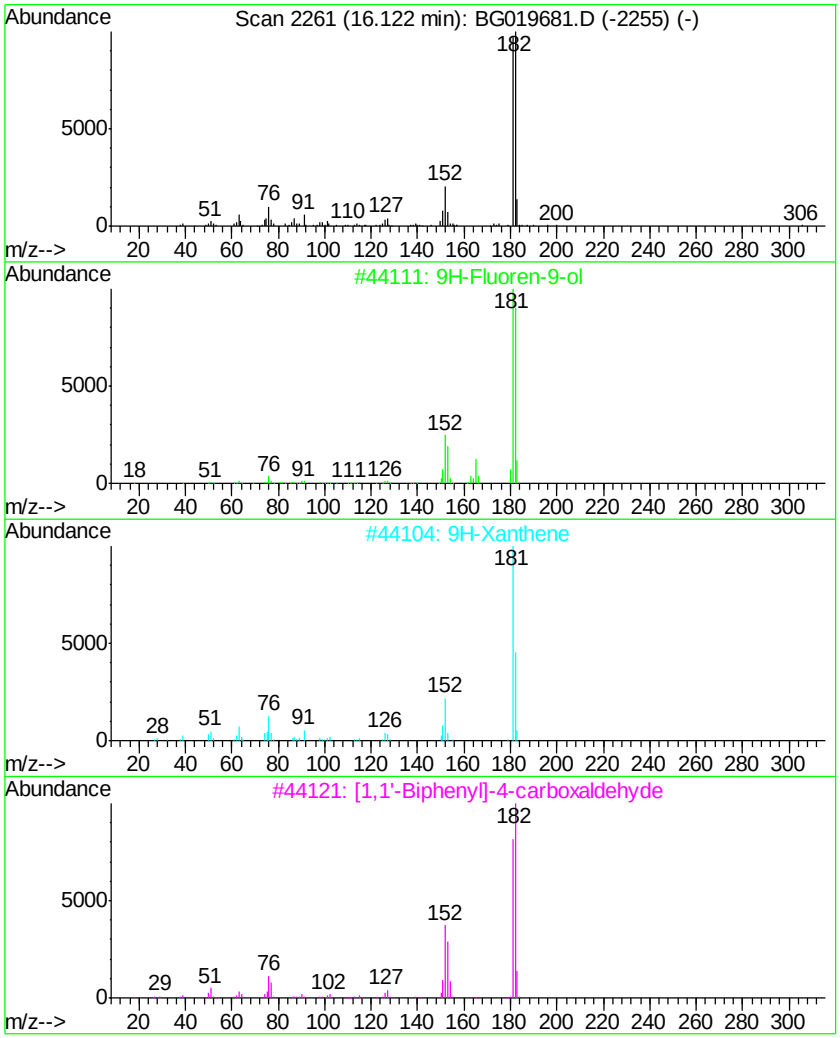
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

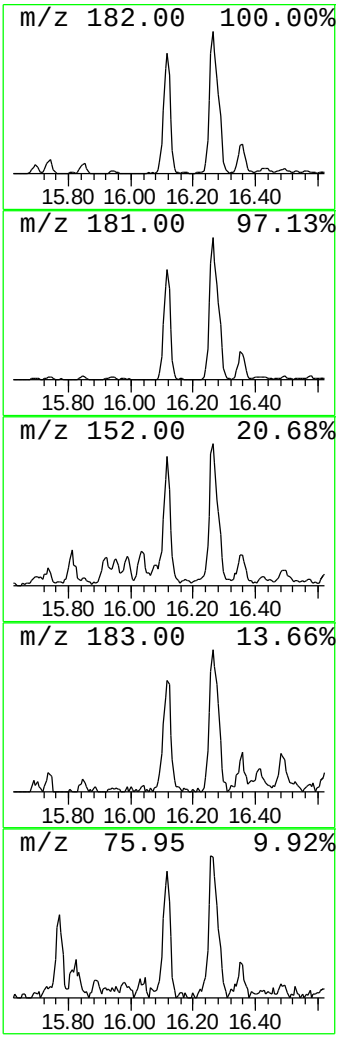
****

Peak Number 4 9H-Fluoren-9-ol Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.12	12.02 ng/ul	322810	Acenaphthene-d10	14.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
2	9H-Xanthene	182	C13H10O	000092-83-1	72
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72
5	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG111715\
Data File : BG019681.D
Acq On : 18 Nov 2015 4:39
Operator : UM/NP
Sample : G4427-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7D1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

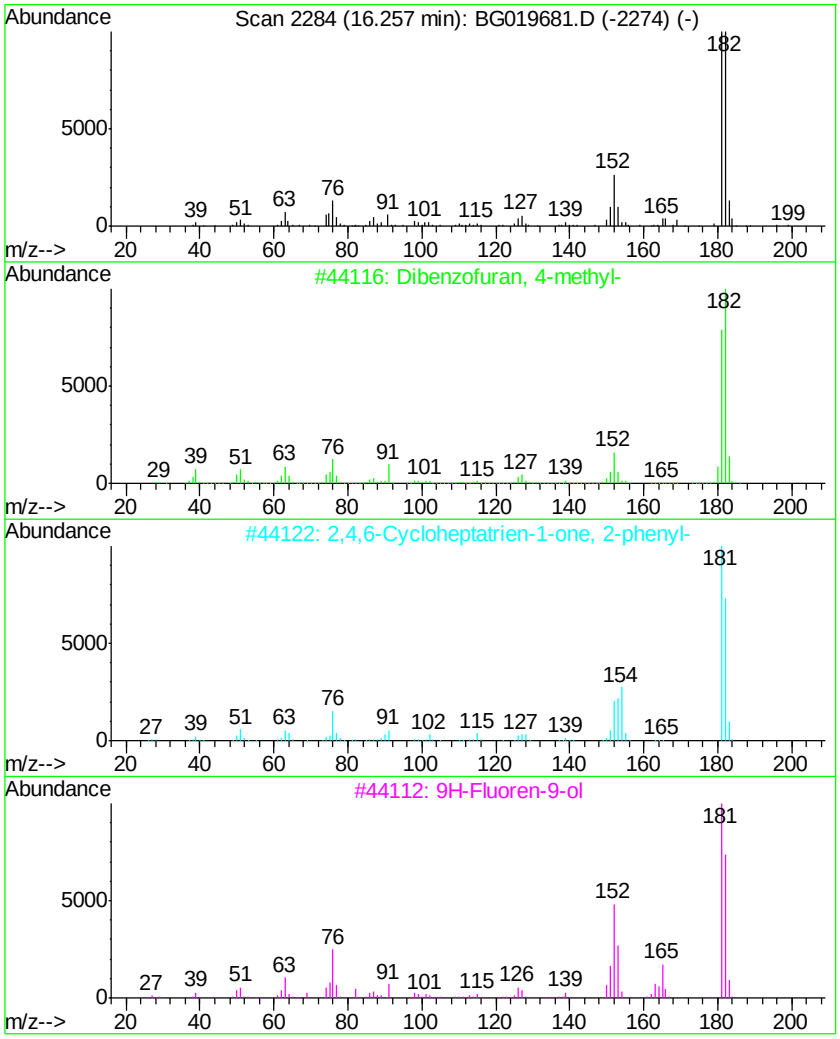
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

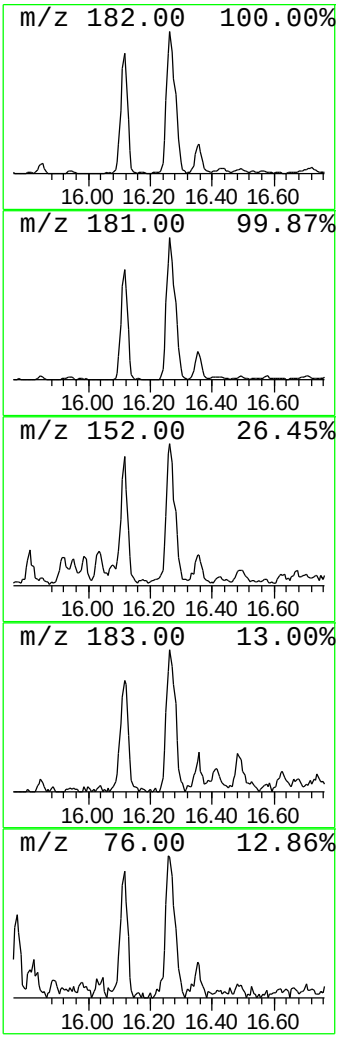
****

Peak Number 5 Dibenzofuran, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.26	13.64 ng/ul	519865	Phenanthrene-d10	17.53

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	86
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	80





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG111715\
Data File : BG019681.D
Acq On : 18 Nov 2015 4:39
Operator : UM/NP
Sample : G4427-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7D1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

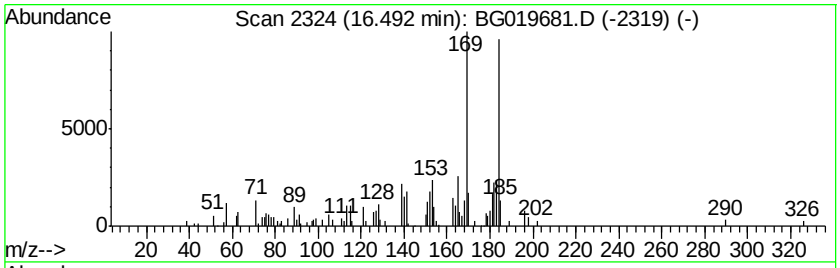
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

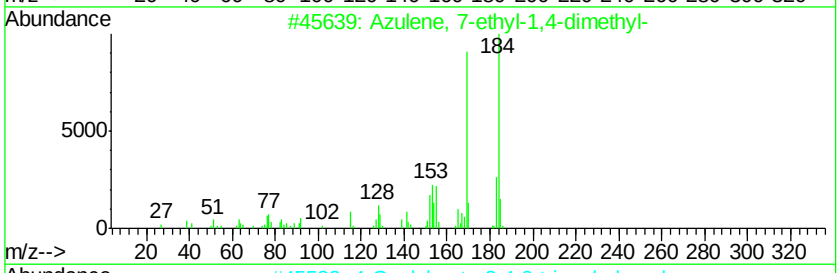
****

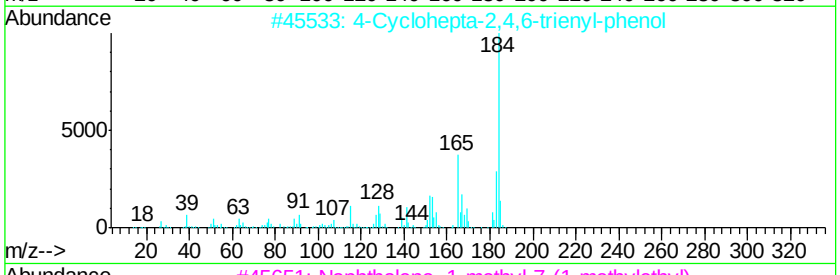
Peak Number 6 Azulene, 7-ethyl-1,4-dimethyl- Concentration Rank 36

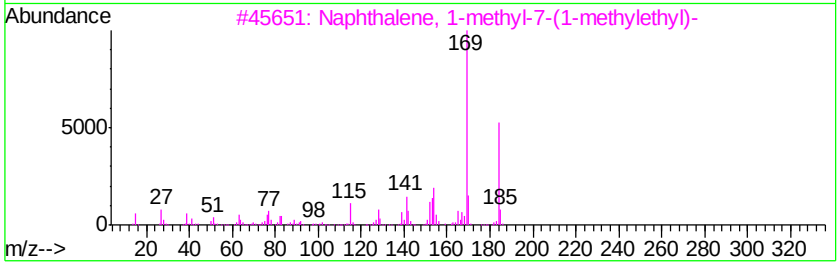
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	3.36 ng/ul	128062	Phenanthrene-d10	17.53

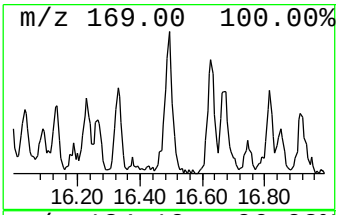
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene, 7-ethyl-1,4-dimethyl-	184	C14H16	000529-05-5	58
2	4-Cyclohepta-2,4,6-trienyl-phenol	184	C13H12O	091902-42-0	50
3	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	45
4	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	43
5	Silane, tetra-1-propynyl-	184	C12H12Si	020143-21-9	43

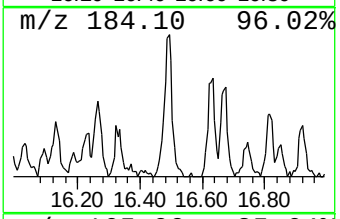


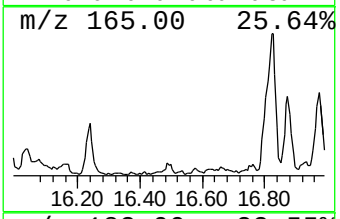


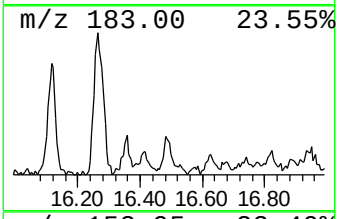


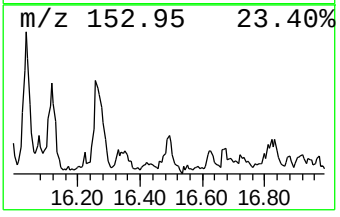












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Acq On : 18 Nov 2015 4:39
Operator : UM/NP
Sample : G4427-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7D1

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Quant Title : SVOA CALIBRATION

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

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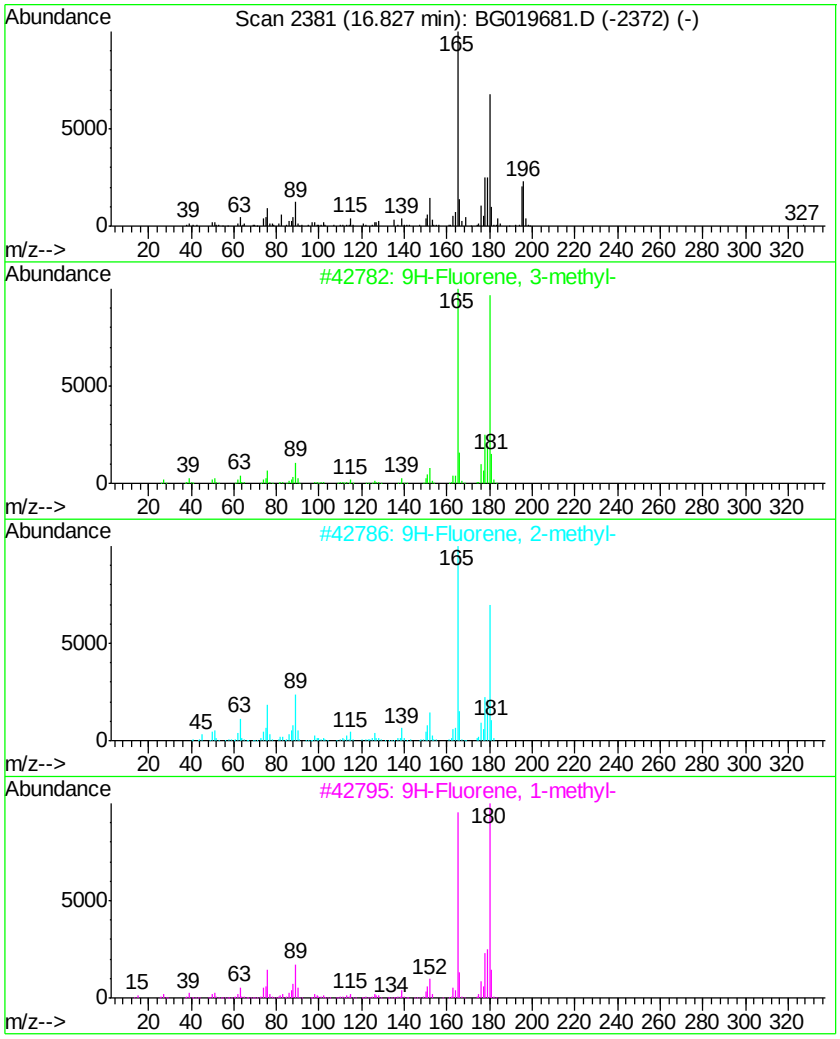
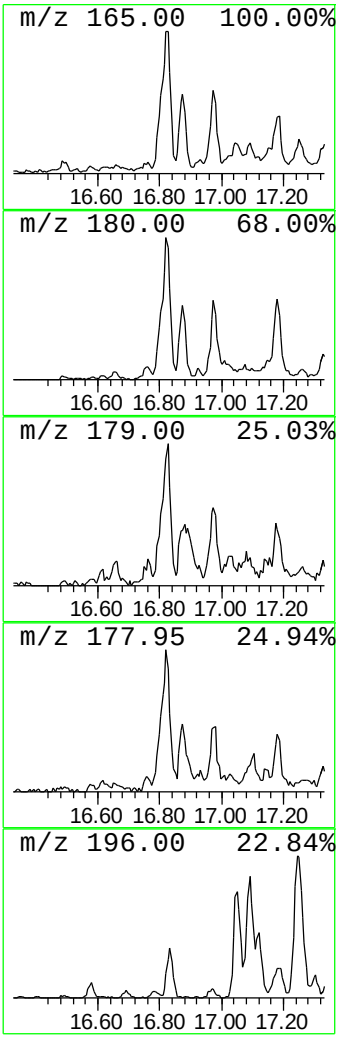
Peak Number 7 9H-Fluorene, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.83	9.47 ng/ul	361072	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	83
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	78
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	78
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	78





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Sample : G4427-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7D1

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Quant Title : SVOA CALIBRATION

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

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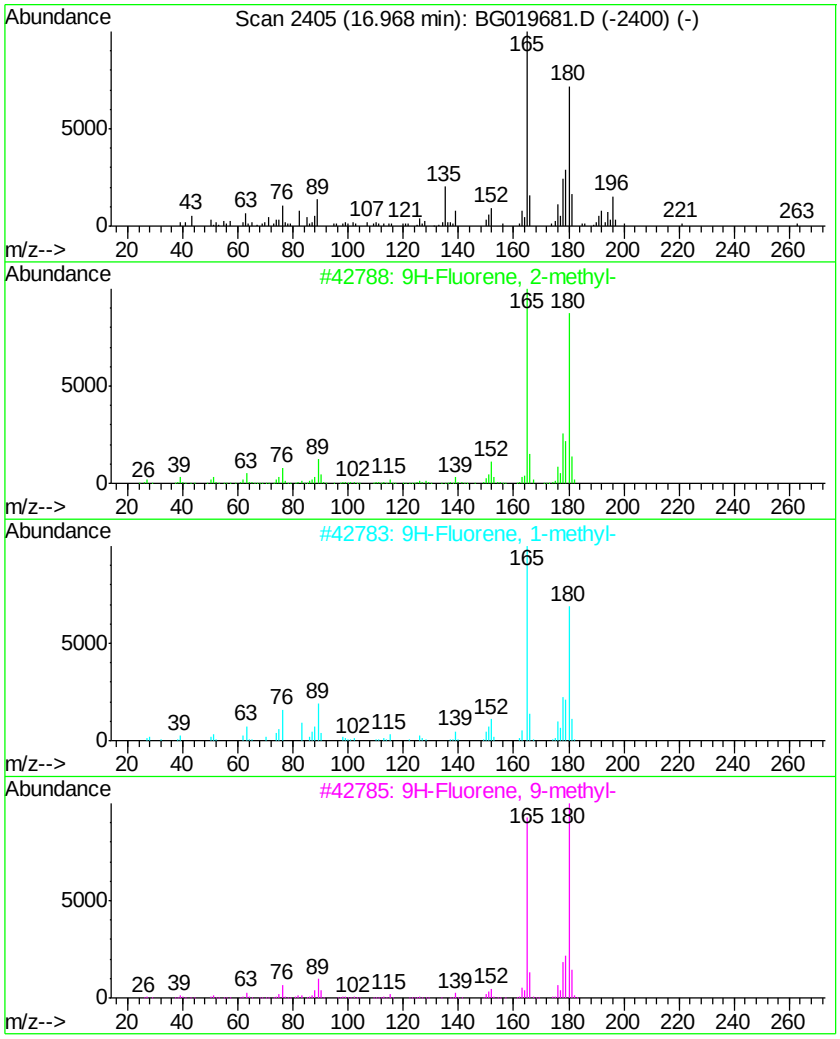
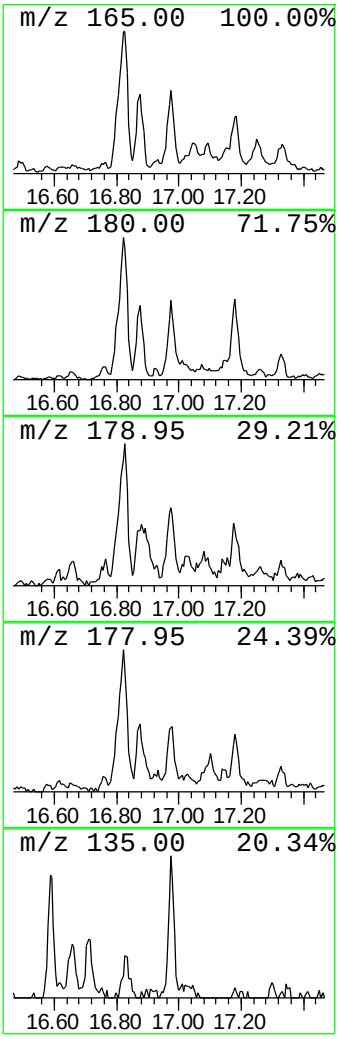
Peak Number 9 9H-Fluorene, 2-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.97	4.04 ng/ul	154048	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	94
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	76





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Instrument : BNA_G
ClientSampleId : BC7D1

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Quant Title : SVOA CALIBRATION

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

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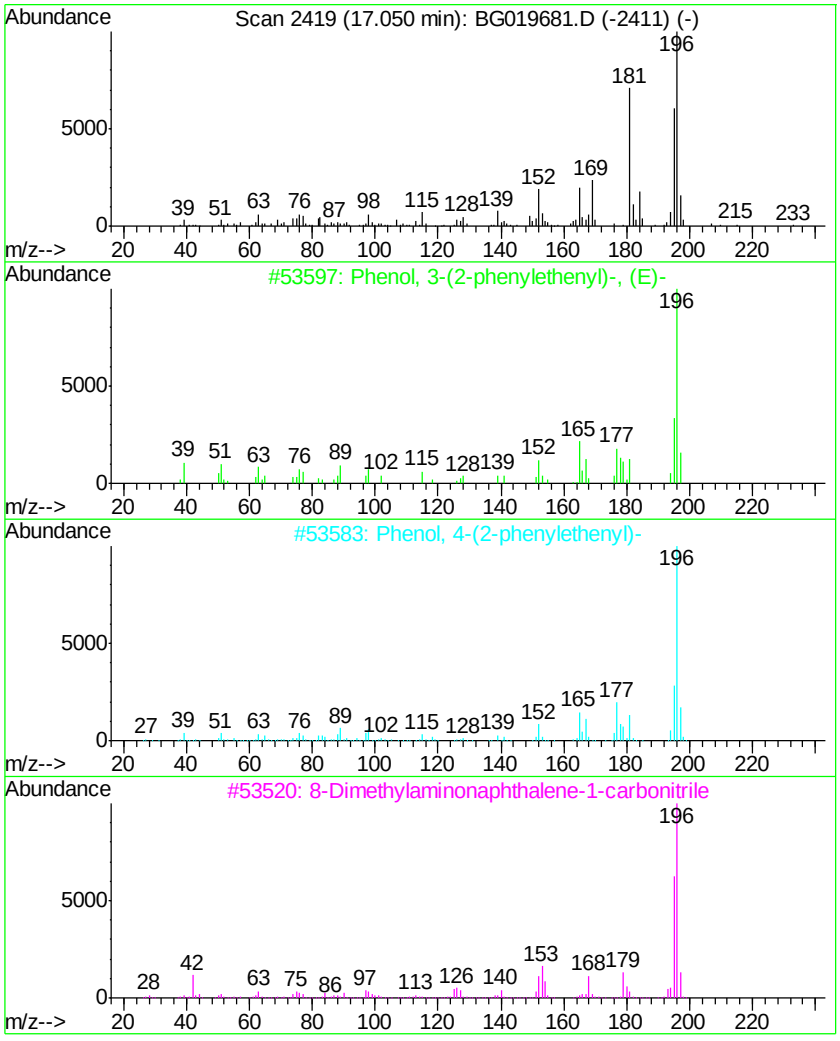
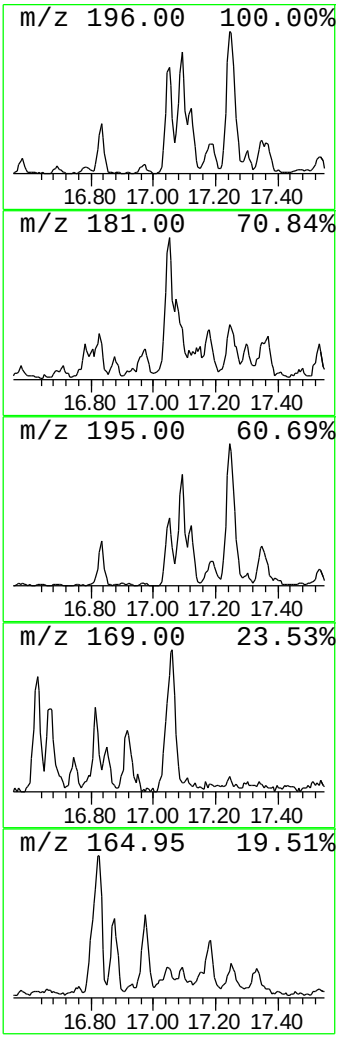
Peak Number 10 Phenol, 3-(2-phenylethenyl)... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.05	7.04 ng/ul	268351	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	53
2	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	49
3	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	49
4	Benzene, 1,1'-methylenebis[4-met...	196	C15H16	004957-14-6	47
5	Benzaldehyde, 3,4,5-trimethoxy-	196	C10H12O4	000086-81-7	47





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Sample : G4427-12
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Instrument : BNA_G
ClientSampleId : BC7D1

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Quant Title : SVOA CALIBRATION

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

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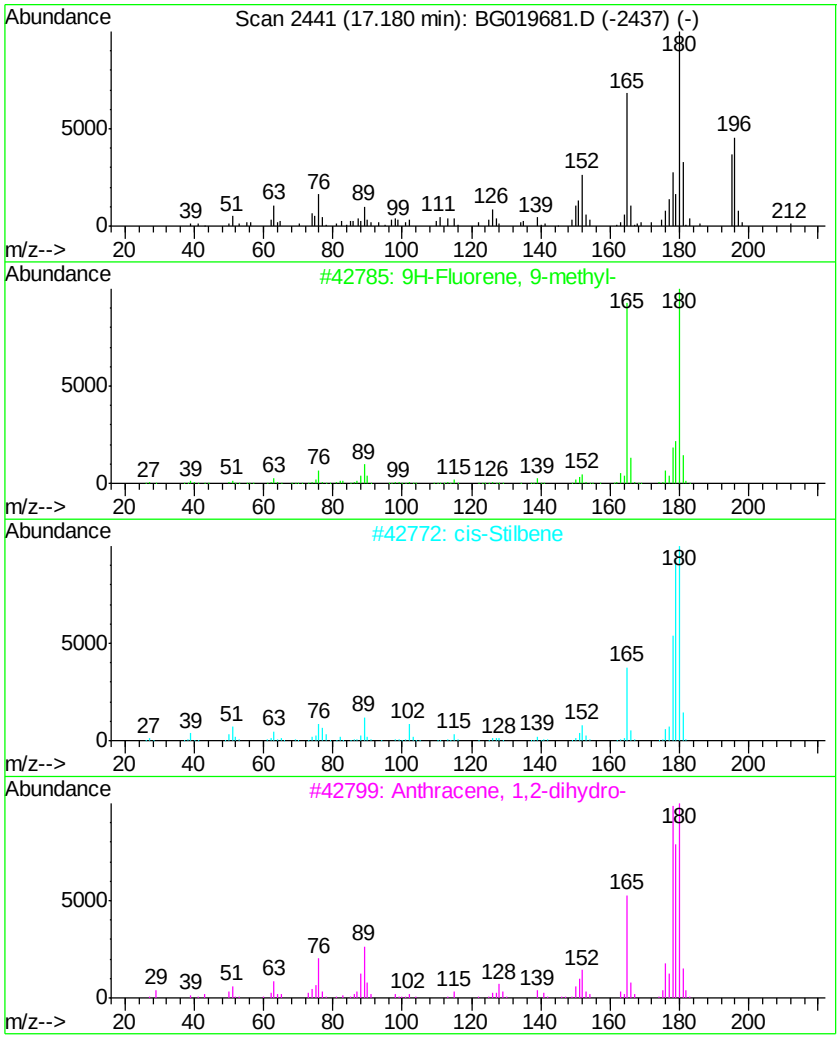
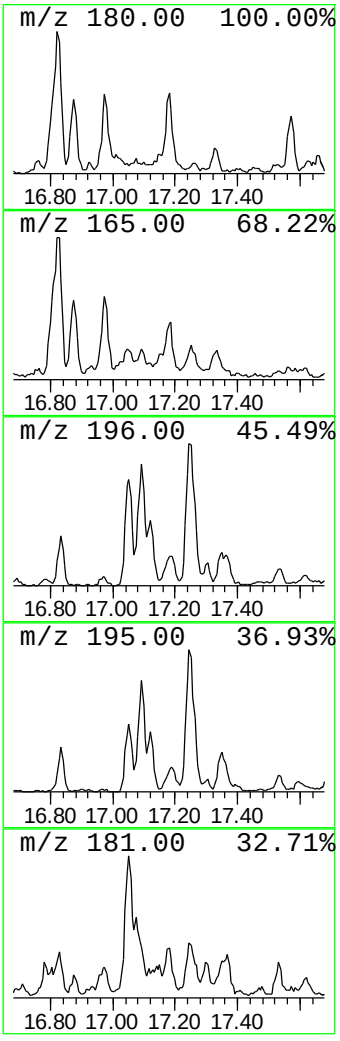
Peak Number 12 9H-Fluorene, 9-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.18	4.30 ng/ul	163734	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	55
2	cis-Stilbene	180	C14H12	000645-49-8	53
3	Anthracene, 1,2-dihydro-	180	C14H12	058746-82-0	49
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	49
5	(E)-Stilbene	180	C14H12	000103-30-0	49





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Misc :
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Quant Title : SVOA CALIBRATION

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

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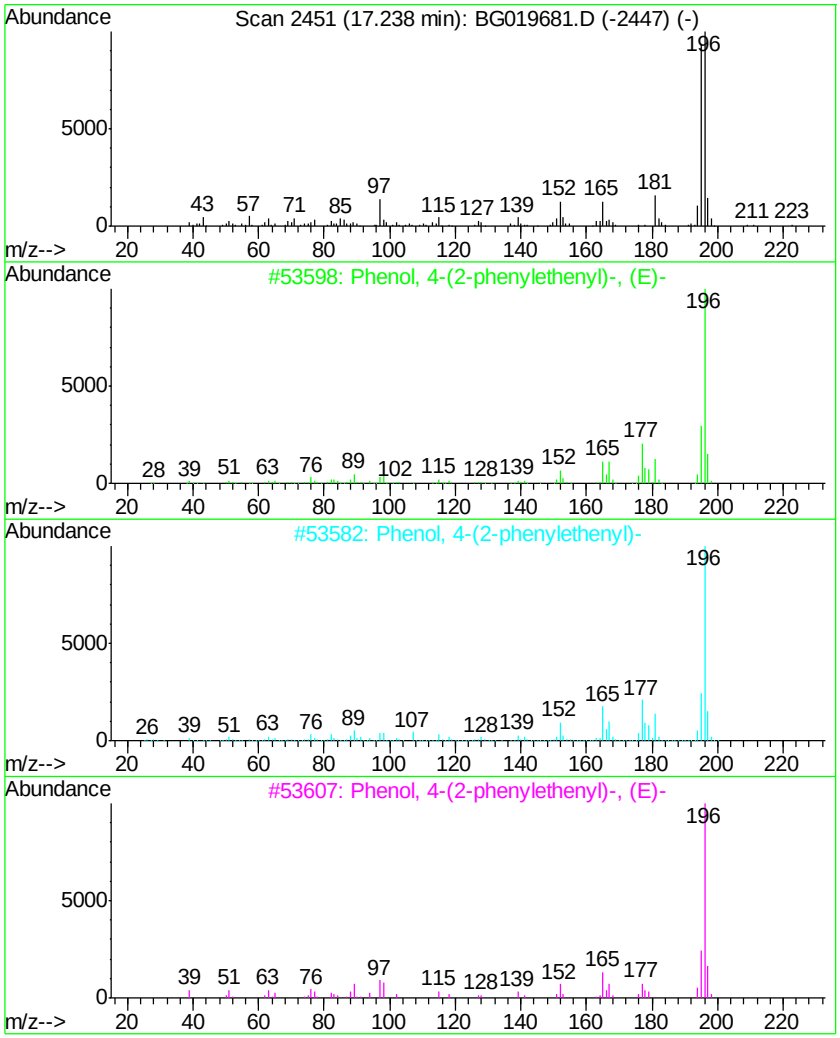
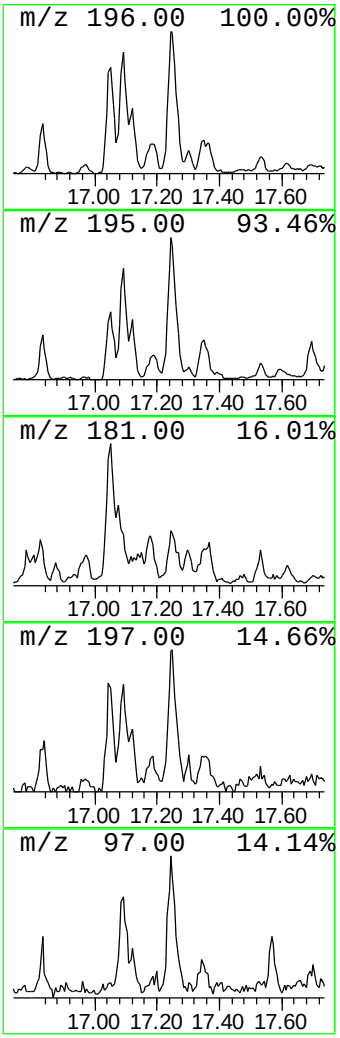
Peak Number 13 Phenol, 4-(2-phenylethenyl)... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.24	7.53 ng/ul	287113	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	62
2	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	52
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	52
4	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	47
5	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	47





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Instrument : BNA_G
ClientSampleId : BC7D1

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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 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.34	10.41 ng/ul	396717	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	93
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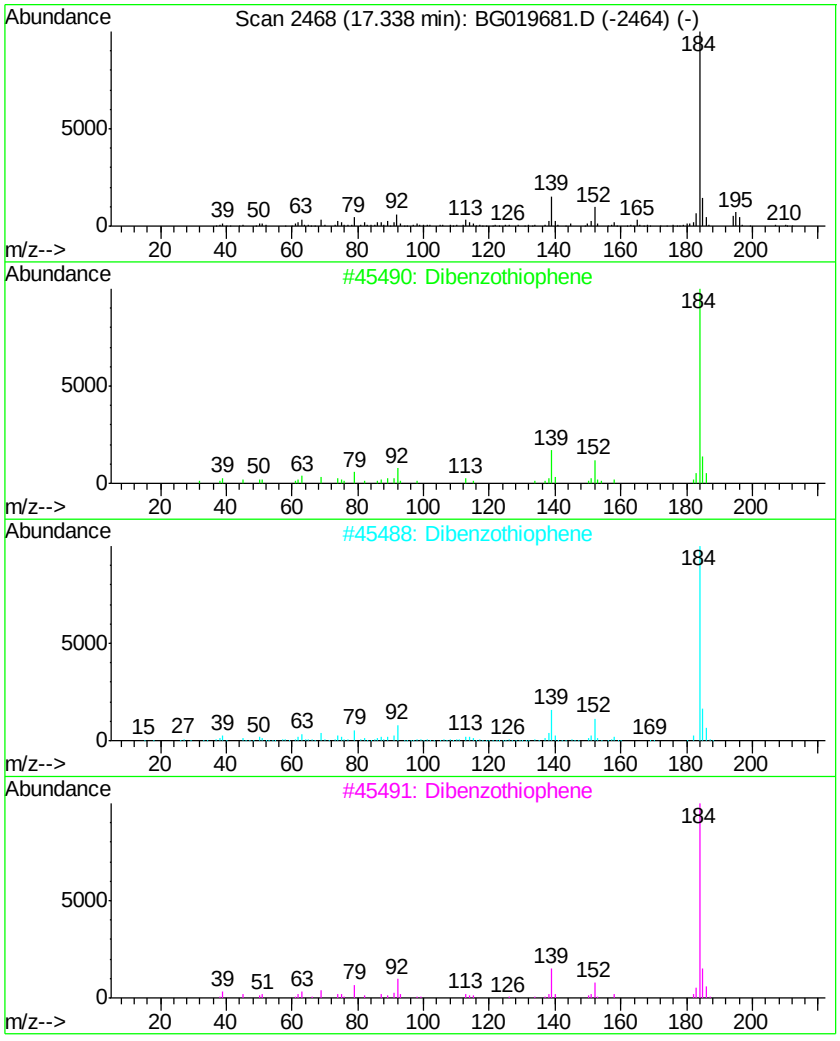
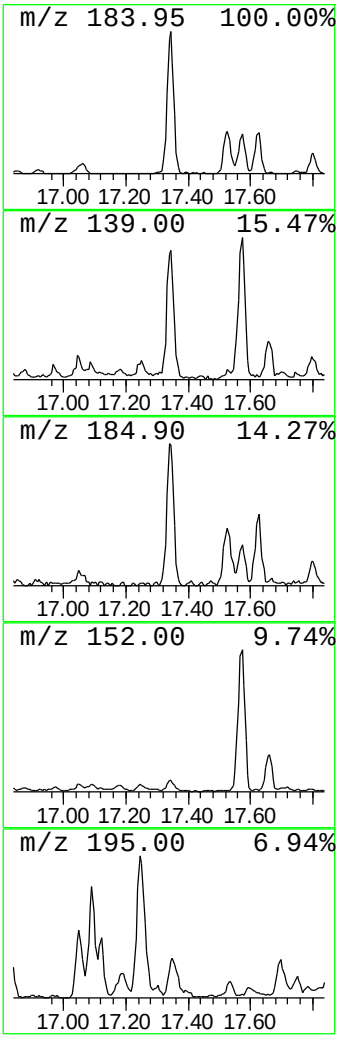
5	Dibenzothiophene	184	C12H8S	000132-65-0	87





Library Search Compound Report

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Misc :
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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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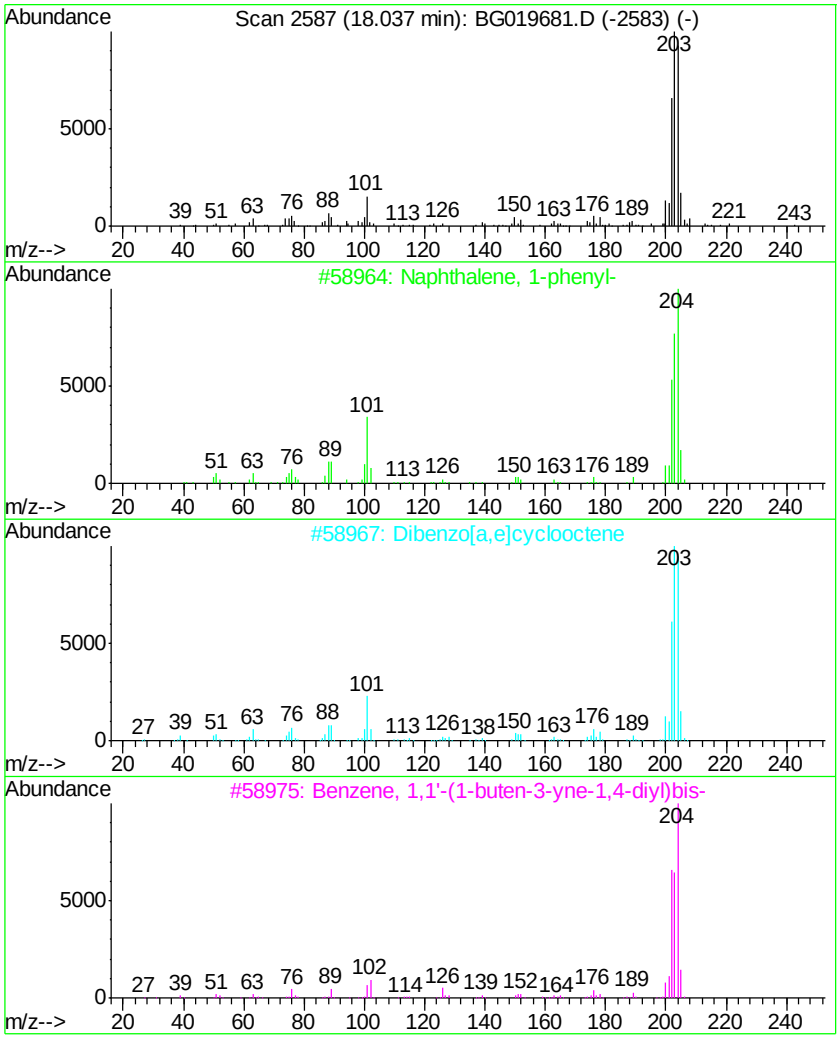
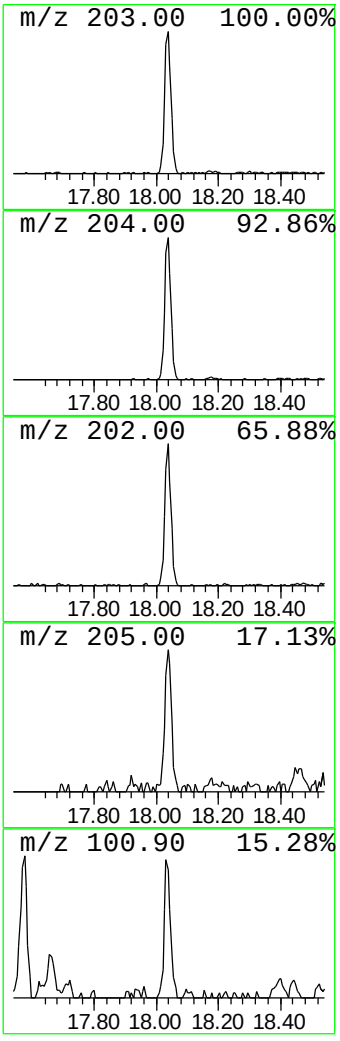
Peak Number 16 Naphthalene, 1-phenyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	4.20 ng/ul	159998	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	89
2	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	89
3	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	78
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	78
5	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	76





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Quant Title : SVOA CALIBRATION

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

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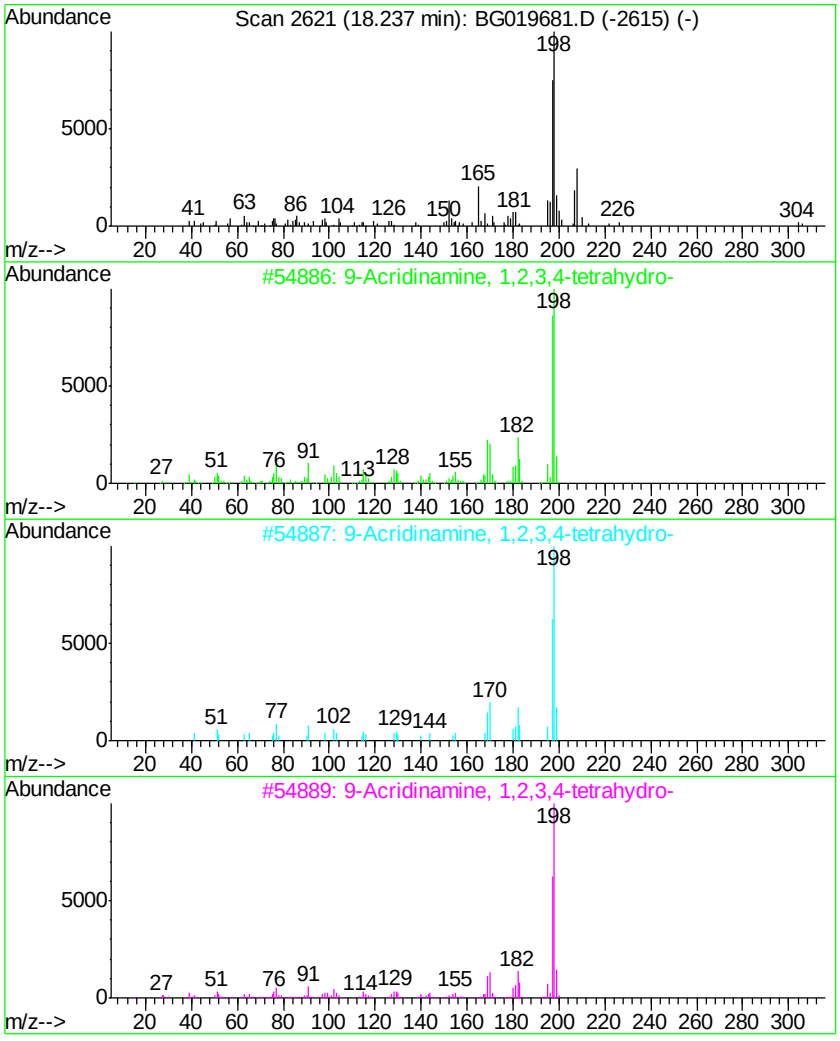
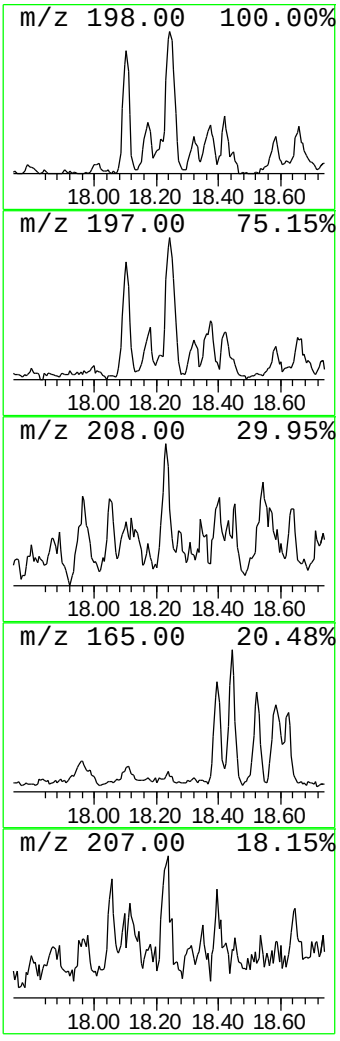
Peak Number 17 9-Acridinamine, 1,2,3,4-tet... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	3.64 ng/ul	138808	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	70
2	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	58
3	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	58
4	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	53
5	Indeno[1,2-b]pyridin-5-ol, 7-amino-	198	C12H10N2O	339336-23-1	53





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Quant Title : SVOA CALIBRATION

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

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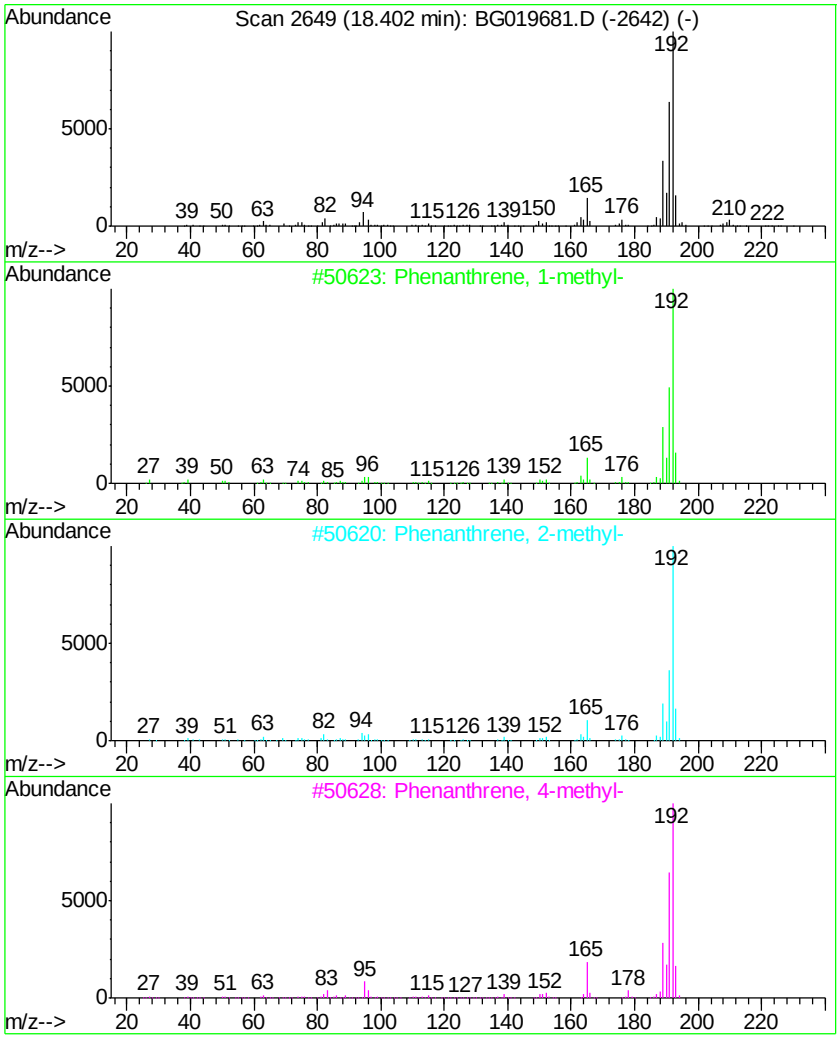
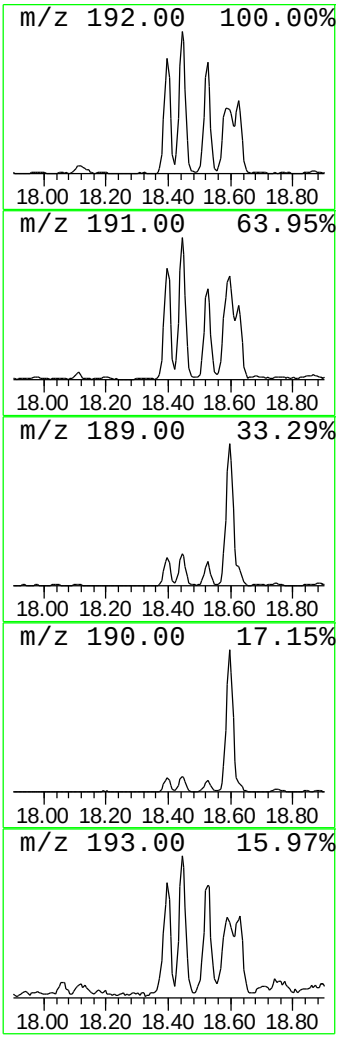
Peak Number 18 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	15.91 ng/ul	606496	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





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Quant Title : SVOA CALIBRATION

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

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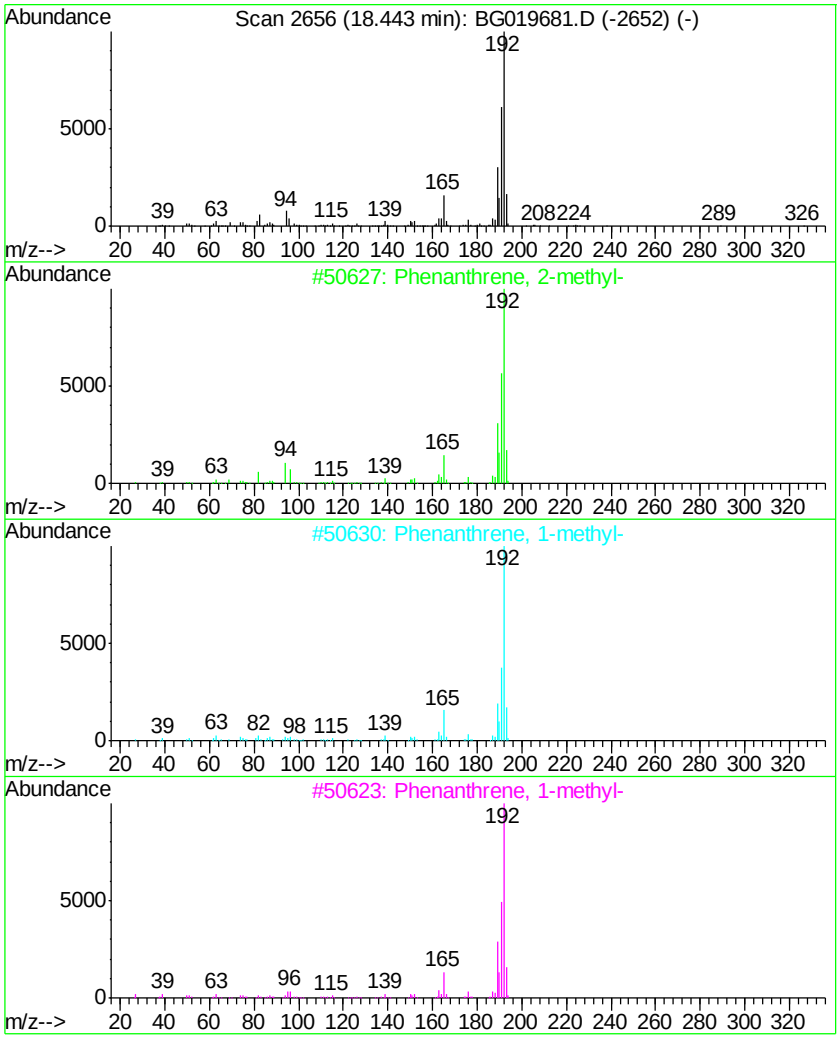
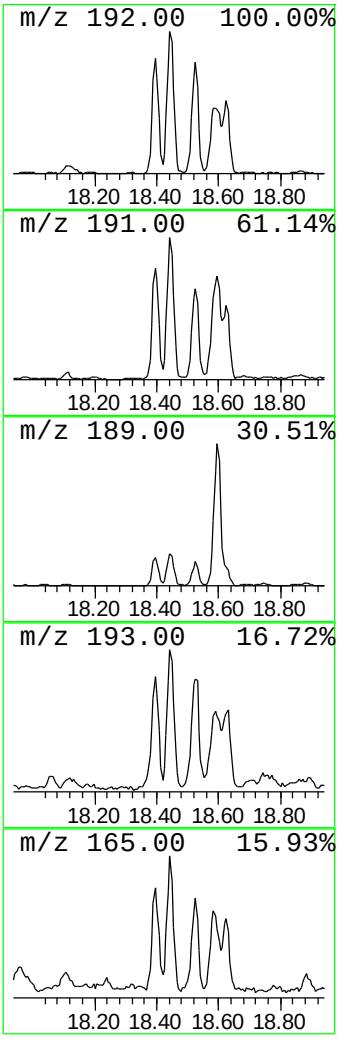
Peak Number 19 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	19.21 ng/ul	732292	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





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Data File : BG019681.D
Acq On : 18 Nov 2015 4:39
Operator : UM/NP
Sample : G4427-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7D1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

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

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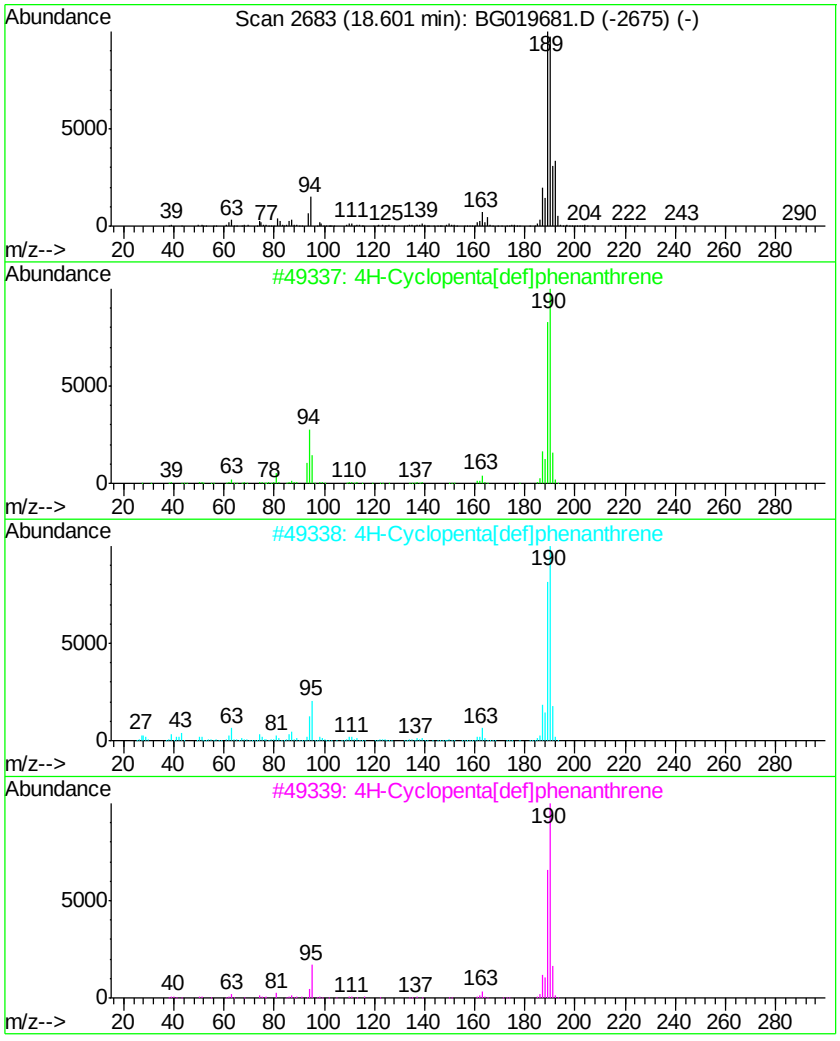
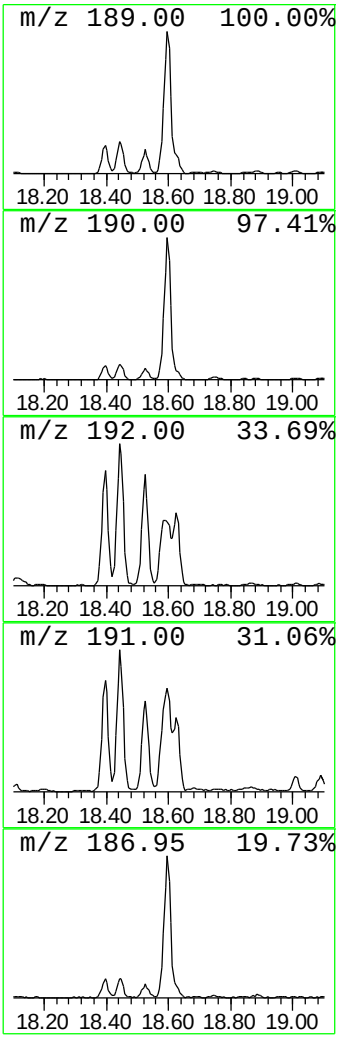
Peak Number 21 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.60	38.47 ng/ul	1466160	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50





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Acq On : 18 Nov 2015 4:39
Operator : UM/NP
Sample : G4427-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7D1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

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

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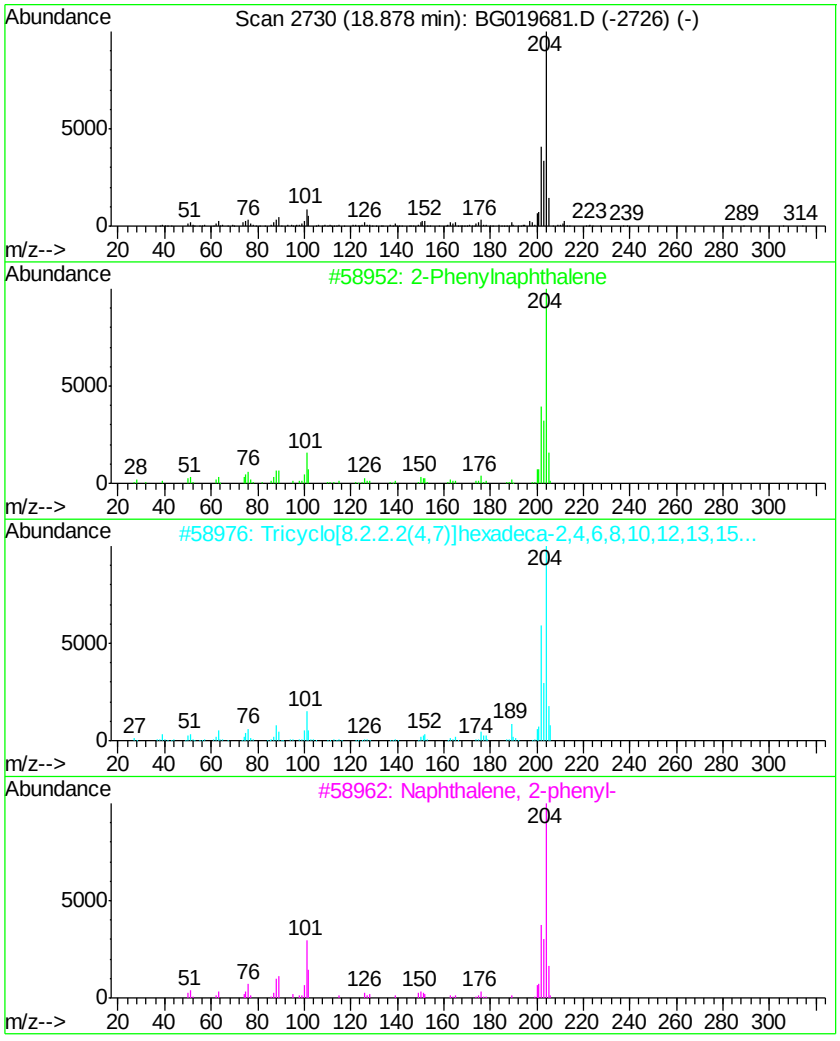
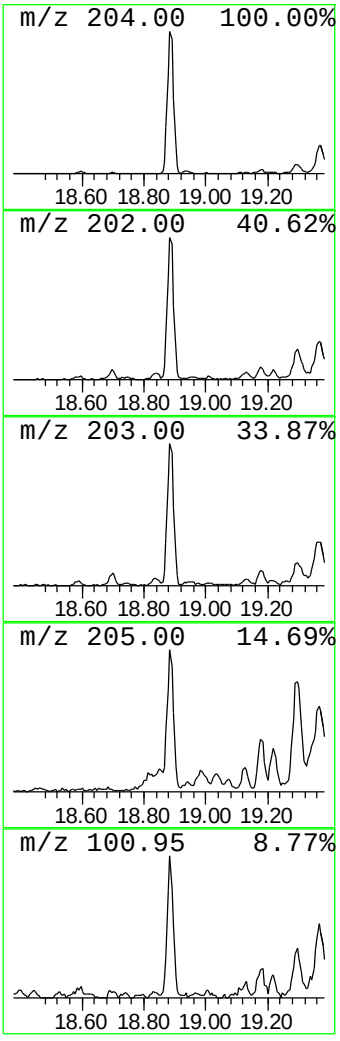
Peak Number 22 2-Phenylnaphthalene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	14.80 ng/ul	564097	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	93
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62





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Acq On : 18 Nov 2015 4:39
Operator : UM/NP
Sample : G4427-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7D1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

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

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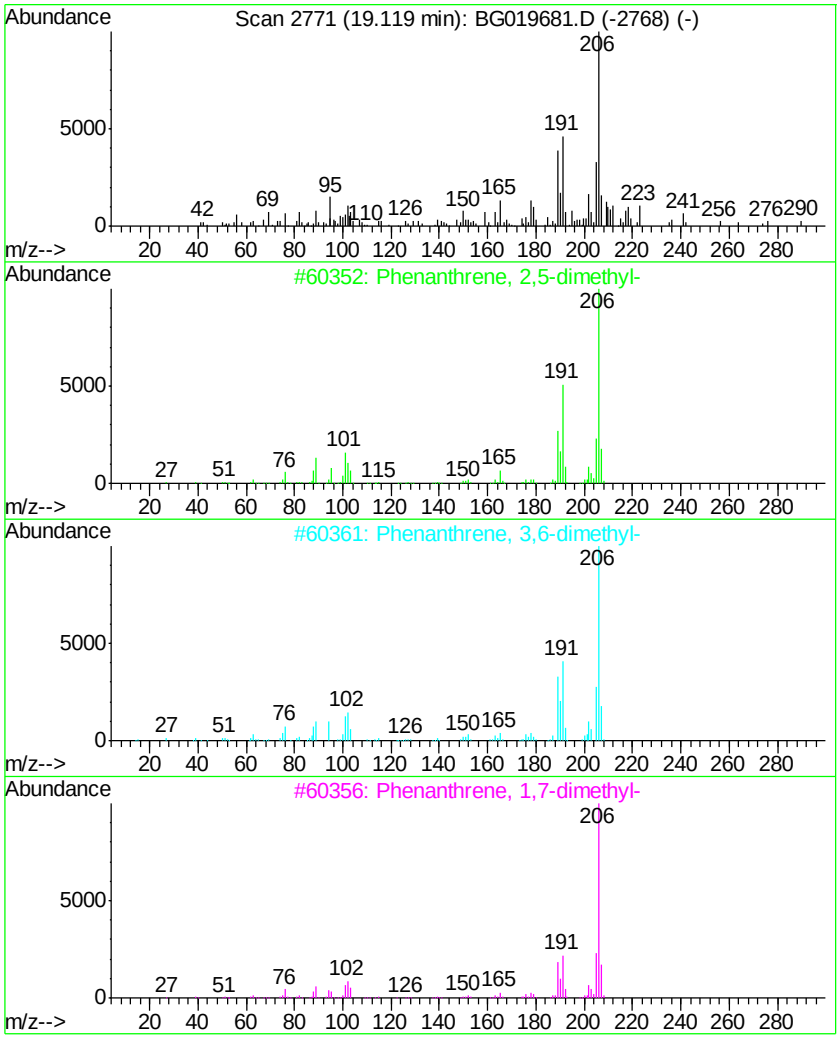
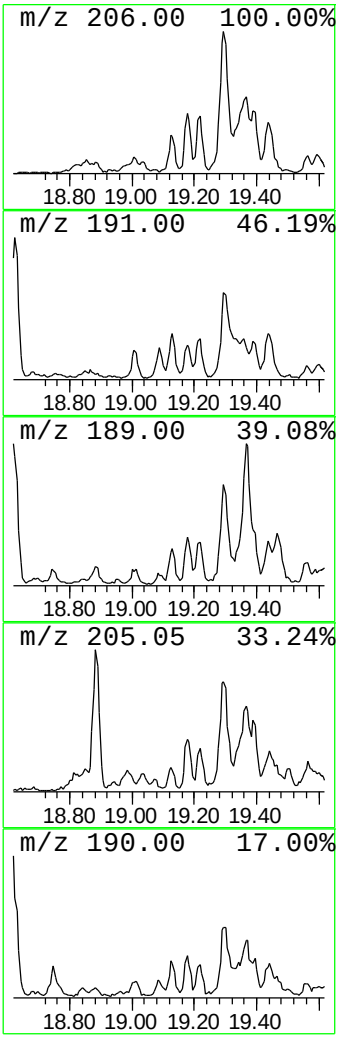
Peak Number 23 Phenanthrene, 2,5-dimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.12	3.40 ng/ul	129458	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	81
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	80





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Data File : BG019681.D
Acq On : 18 Nov 2015 4:39
Operator : UM/NP
Sample : G4427-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7D1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

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

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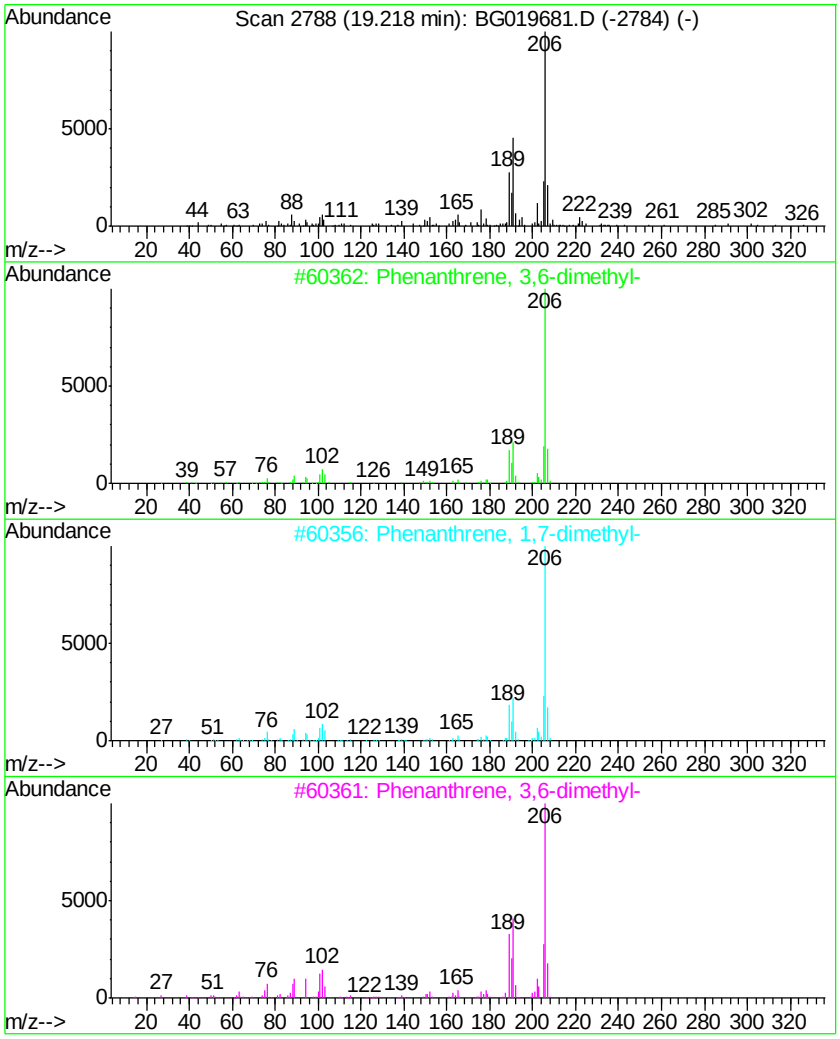
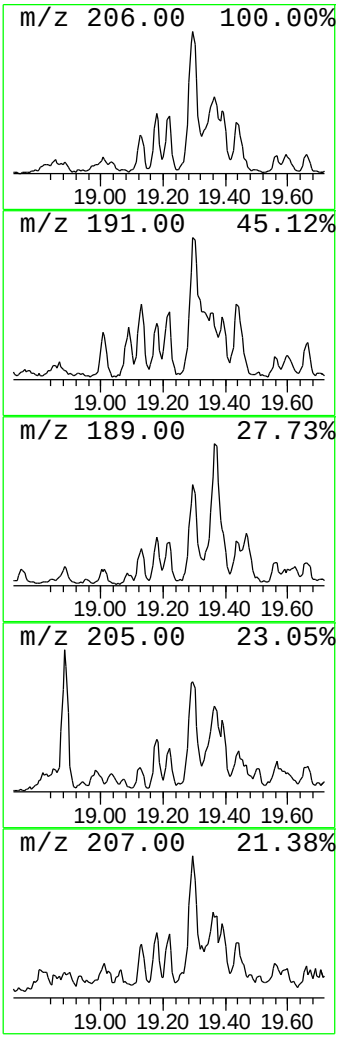
Peak Number 24 Phenanthrene, 3,6-dimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.22	3.43 ng/ul	130875	Phenanthrene-d10	17.53

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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG111715\
Data File : BG019681.D
Acq On : 18 Nov 2015 4:39
Operator : UM/NP
Sample : G4427-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7D1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

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

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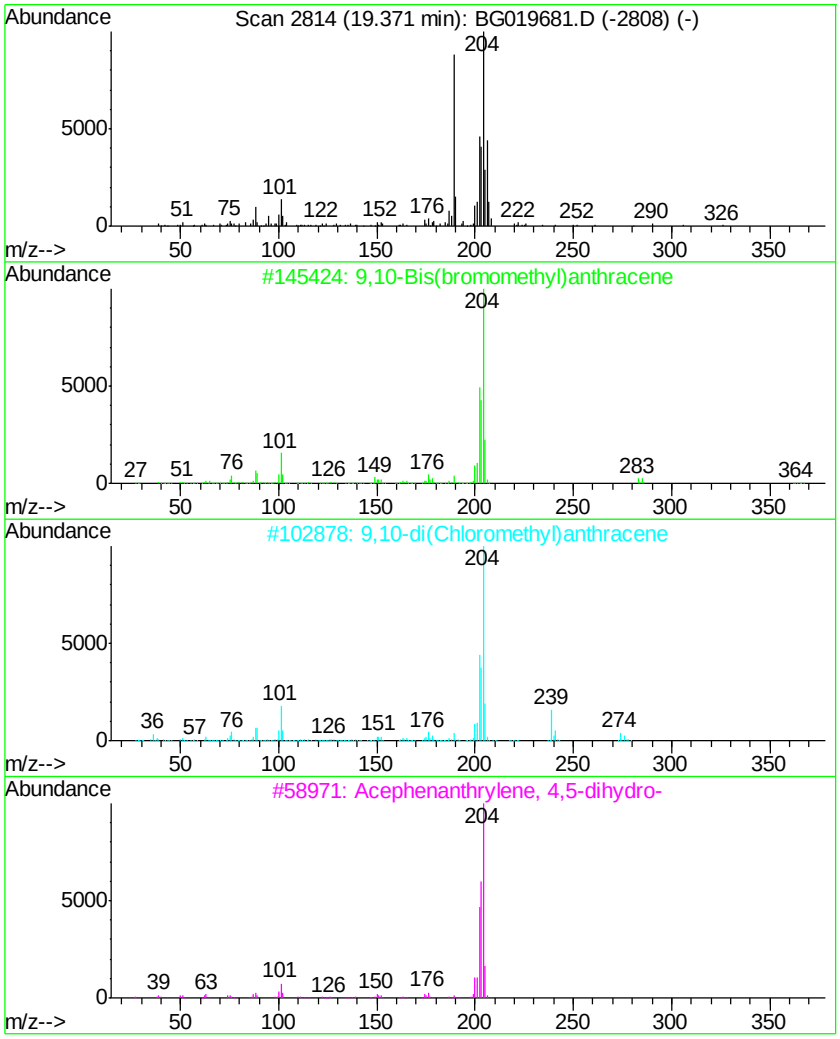
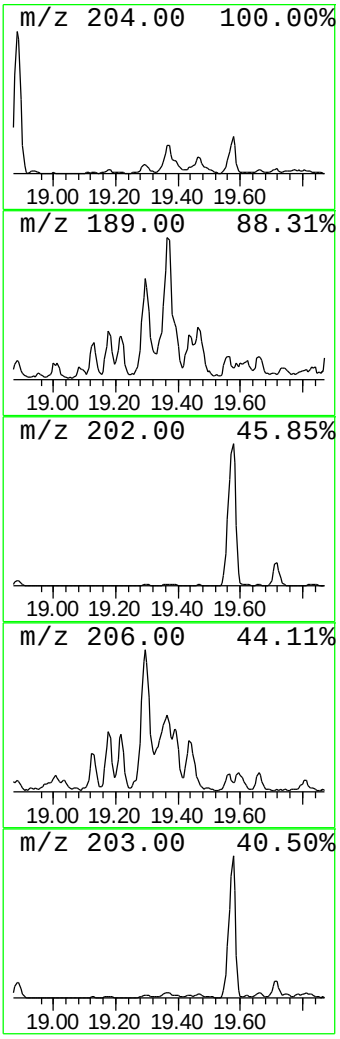
Peak Number 26 unknown-01 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.37	5.60 ng/ul	213360	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	46
3	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	42
4	2-Phenylnaphthalene	204	C16H12	035465-71-5	42
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	25





Library Search Compound Report

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Data File : BG019681.D
Acq On : 18 Nov 2015 4:39
Operator : UM/NP
Sample : G4427-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7D1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

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

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Peak Number 28 7-Isopropenyl-1,4a-dimethyl... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.66	3.50 ng/ul	133481	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Isopropenyl-1,4a-dimethyl-4,4a...	218	C15H22O	000473-08-5	90
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	44
3	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	35
4	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	35
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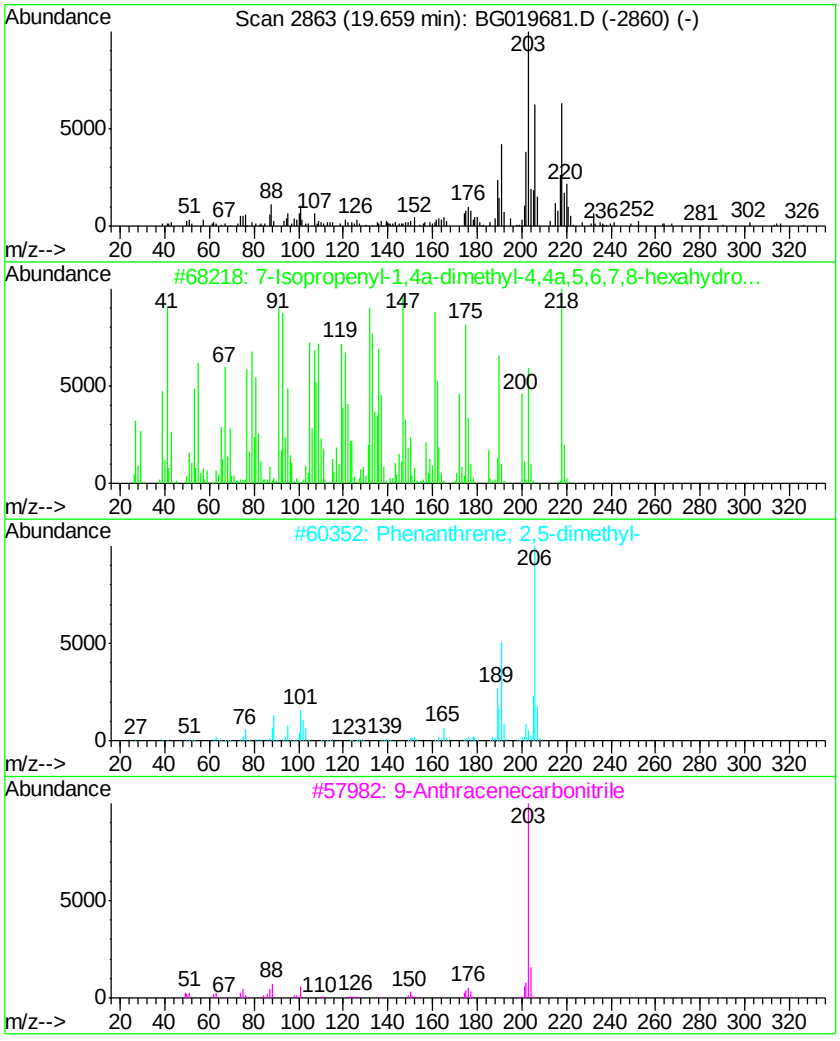

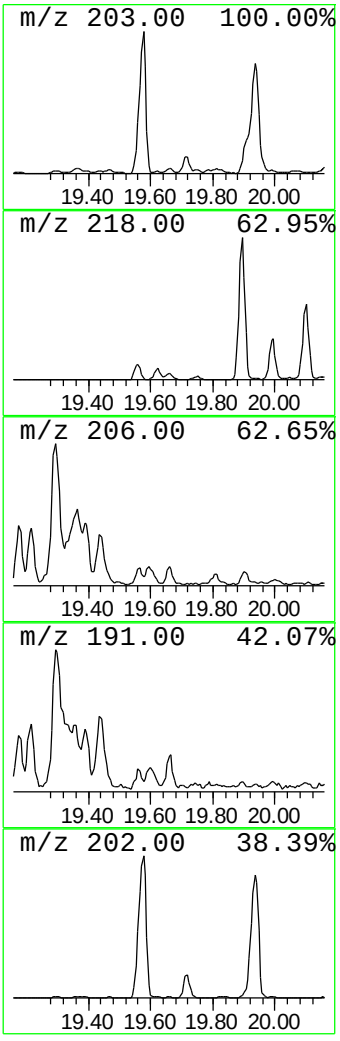

Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG111715\
Data File : BG019681.D
Acq On : 18 Nov 2015 4:39
Operator : UM/NP
Sample : G4427-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7D1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.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...	3.17	228.1	ng/ul	2296880	1	8.15	201389	20.0
Naphthalene, 1,4,...	15.39	4.9	ng/ul	131496	3	14.78	537199	20.0
9H-Fluoren-9-ol	16.12	12.0	ng/ul	322810	3	14.78	537199	20.0
Dibenzofuran, 4-m...	16.26	13.6	ng/ul	519865	4	17.53	762229	20.0
Azulene, 7-ethyl-...	16.49	3.4	ng/ul	128062	4	17.53	762229	20.0
9H-Fluorene, 3-me...	16.83	9.5	ng/ul	361072	4	17.53	762229	20.0
9H-Fluorene, 2-me...	16.97	4.0	ng/ul	154048	4	17.53	762229	20.0
Phenol, 3-(2-phen...	17.05	7.0	ng/ul	268351	4	17.53	762229	20.0
9H-Fluorene, 9-me...	17.18	4.3	ng/ul	163734	4	17.53	762229	20.0
Phenol, 4-(2-phen...	17.24	7.5	ng/ul	287113	4	17.53	762229	20.0
Dibenzothiophene	17.34	10.4	ng/ul	396717	4	17.53	762229	20.0
Naphthalene, 1-ph...	18.04	4.2	ng/ul	159998	4	17.53	762229	20.0
9-Acridinamine, 1...	18.24	3.6	ng/ul	138808	4	17.53	762229	20.0
Phenanthrene, 1-m...	18.40	15.9	ng/ul	606496	4	17.53	762229	20.0
Phenanthrene, 2-m...	18.44	19.2	ng/ul	732292	4	17.53	762229	20.0
4H-Cyclopenta[def...	18.60	38.5	ng/ul	1466160	4	17.53	762229	20.0
2-Phenylnaphthalene	18.88	14.8	ng/ul	564097	4	17.53	762229	20.0
Phenanthrene, 2,5...	19.12	3.4	ng/ul	129458	4	17.53	762229	20.0
Phenanthrene, 3,6...	19.22	3.4	ng/ul	130875	4	17.53	762229	20.0
unknown-01	19.37	5.6	ng/ul	213360	4	17.53	762229	20.0
7-Isopropenyl-1,4...	19.66	3.5	ng/ul	133481	4	17.53	762229	20.0