LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110215\
Data File : BG019439.D
Acq On : 2 Nov 2015 19:11
Operator : UM/NP
Sample : G4202-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY35

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-BG102815.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	3.138	45	51	60	rBV	62410	114930	7.01%	0.706%
2	3.220	60	65	75	rVB	233023	349295	21.31%	2.146%
3	7.333	759	765	772	rVB3	34793	57568	3.51%	0.354%
4	7.503	788	794	800	rBV	115652	182409	11.13%	1.121%
5	7.715	823	830	838	rVB2	125449	212888	12.99%	1.308%
6	8.191	904	911	919	rVB	106712	181574	11.08%	1.116%
7	8.567	970	975	982	rBV2	17574	30293	1.85%	0.186%
8	8.896	1024	1031	1038	rVV2	107478	175130	10.68%	1.076%
9	9.360	1103	1110	1119	rVB	164420	294011	17.94%	1.806%
10	9.560	1138	1144	1150	rVB4	13574	23719	1.45%	0.146%
11	9.666	1158	1162	1168	rVB4	9639	15771	0.96%	0.097%
12	9.748	1171	1176	1181	rVV2	5568	9134	0.56%	0.056%
13	9.830	1186	1190	1195	rVB	4548	7294	0.44%	0.045%
14	10.089	1225	1234	1241	rBV2	161899	289268	17.65%	1.777%
15	10.406	1282	1288	1294	rBV6	7073	15951	0.97%	0.098%
16	10.512	1300	1306	1309	rBV2	6756	10623	0.65%	0.065%
17	10.553	1309	1313	1317	rVV3	4472	7488	0.46%	0.046%
18	10.635	1320	1327	1334	rBV	208741	375805	22.93%	2.309%
19	11.017	1385	1392	1399	rBV	142113	256397	15.64%	1.575%
20	11.146	1408	1414	1419	rBV3	19560	39128	2.39%	0.240%
21	11.199	1419	1423	1429	rVV4	15242	27984	1.71%	0.172%
22	11.428	1456	1462	1469	rVB2	6180	12782	0.78%	0.079%
23	11.775	1515	1521	1526	rVB4	4485	7258	0.44%	0.045%
24	12.127	1574	1581	1586	rBV3	29723	56241	3.43%	0.346%
25	12.562	1649	1655	1663	rBV3	22418	43032	2.63%	0.264%
26	12.850	1699	1704	1710	rBV4	11111	22185	1.35%	0.136%
27	13.373	1788	1793	1799	rBV2	3763	7305	0.45%	0.045%
28	13.649	1838	1840	1847	rVB3	5524	8549	0.52%	0.053%
29	13.825	1867	1870	1874	rVV2	5641	8069	0.49%	0.050%
30	13.872	1874	1878	1886	rVB3	9292	15435	0.94%	0.095%
31	14.002	1895	1900	1903	rBV4	5556	9408	0.57%	0.058%
32	14.213	1930	1936	1943	rVB	487533	694316	42.36%	4.266%
33	14.372	1959	1963	1967	rVV4	15661	26672	1.63%	0.164%
34	14.407	1967	1969	1974	rVB3	13885	18478	1.13%	0.114%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110215\
Data File : BG019439.D
Acq On : 2 Nov 2015 19:11
Operator : UM/NP
Sample : G4202-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY35

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-BG102815.M
Title : SVOA CALIBRATION

35	14.519	1981	1988	2000	rVB	405708	695454	42.42%	4.273%
36	14.818	2029	2039	2045	rBV2	260338	425948	25.98%	2.617%
37	14.883	2045	2050	2057	rVV	511020	758102	46.25%	4.658%
38	14.948	2057	2061	2065	rVB2	9211	13140	0.80%	0.081%
39	15.006	2065	2071	2082	rVB	55835	94727	5.78%	0.582%
40	15.124	2082	2091	2096	rBV2	15959	25643	1.56%	0.158%
41	15.218	2101	2107	2110	rBV4	8255	14270	0.87%	0.088%
42	15.423	2136	2142	2147	rVB5	9165	19745	1.20%	0.121%
43	15.688	2182	2187	2190	rBV3	5244	7759	0.47%	0.048%
44	15.764	2196	2200	2201	rBV3	9207	8810	0.54%	0.054%
45	15.805	2201	2207	2212	rVV	586461	908339	55.41%	5.581%
46	15.864	2212	2217	2221	rVV	373459	578134	35.27%	3.552%
47	15.911	2221	2225	2231	rVV	223027	325178	19.84%	1.998%
48	15.982	2235	2237	2240	rVV3	11536	13816	0.84%	0.085%
49	16.023	2240	2244	2251	rVB6	17218	28741	1.75%	0.177%
50	16.111	2256	2259	2262	rVV4	19270	25825	1.58%	0.159%
51	16.152	2262	2266	2276	rVB	44107	70455	4.30%	0.433%
52	16.252	2279	2283	2286	rVV3	27229	41937	2.56%	0.258%
53	16.293	2286	2290	2299	rVV2	62111	127089	7.75%	0.781%
54	16.399	2302	2308	2312	rVB5	8353	15264	0.93%	0.094%
55	16.534	2326	2331	2336	rVB	30658	46516	2.84%	0.286%
56	16.651	2347	2351	2354	rBV4	8980	11164	0.68%	0.069%
57	16.751	2364	2368	2373	rVB2	37865	52387	3.20%	0.322%
58	16.916	2391	2396	2401	rVB5	8479	13159	0.80%	0.081%
59	17.010	2408	2412	2419	rVB4	16725	25490	1.55%	0.157%
60	17.104	2419	2428	2435	rBV8	14611	38155	2.33%	0.234%
61	17.268	2452	2456	2464	rVB8	6607	13958	0.85%	0.086%
62	17.339	2464	2468	2470	rBV3	9276	12769	0.78%	0.078%
63	17.380	2471	2475	2480	rVB	52775	76185	4.65%	0.468%
64	17.498	2492	2495	2500	rVV3	22754	42675	2.60%	0.262%
65	17.562	2500	2506	2511	rVV2	409986	676318	41.26%	4.155%
66	17.603	2511	2513	2516	rVV3	21889	28636	1.75%	0.176%
67	17.662	2517	2523	2531	rVV2	743813	1160612	70.80%	7.131%
68	17.738	2531	2536	2545	rVB8	17067	38809	2.37%	0.238%
69	17.868	2550	2558	2563	rBV10	10569	23288	1.42%	0.143%
70	17.921	2563	2567	2569	rVV4	21010	26492	1.62%	0.163%
71	17.956	2569	2573	2579	rVV2	47339	73684	4.49%	0.453%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110215\
Data File : BG019439.D
Acq On : 2 Nov 2015 19:11
Operator : UM/NP
Sample : G4202-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY35

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-BG102815.M
Title : SVOA CALIBRATION

72	18.038	2583	2587	2589	rVV4	15354	24065	1.47%	0.148%
73	18.073	2591	2593	2600	rVB6	20312	28124	1.72%	0.173%
74	18.203	2608	2615	2616	rBV7	15024	29759	1.82%	0.183%
75	18.302	2628	2632	2637	rBV3	37207	52182	3.18%	0.321%
76	18.391	2643	2647	2651	rBV3	15187	24226	1.48%	0.149%
77	18.432	2651	2654	2657	rVB3	9969	12884	0.79%	0.079%
78	18.473	2657	2661	2669	rVB4	46022	78123	4.77%	0.480%
79	18.549	2671	2674	2679	rVB6	11045	15787	0.96%	0.097%
80	18.631	2679	2688	2696	rBV2	76447	140439	8.57%	0.863%
81	18.696	2696	2699	2702	rBV4	13290	21299	1.30%	0.131%
82	18.726	2702	2704	2708	rVB4	14708	19729	1.20%	0.121%
83	18.861	2723	2727	2733	rBV4	47249	77570	4.73%	0.477%
84	18.919	2733	2737	2742	rVB5	18530	32645	1.99%	0.201%
85	18.996	2748	2750	2757	rVB7	9838	16154	0.99%	0.099%
86	19.131	2769	2773	2776	rBV3	7840	10892	0.66%	0.067%
87	19.313	2799	2804	2807	rBV5	27921	45547	2.78%	0.280%
88	19.542	2841	2843	2845	rVV3	8034	7377	0.45%	0.045%
89	19.601	2845	2853	2858	rVB	145216	228436	13.94%	1.403%
90	19.818	2887	2890	2894	rBV3	12368	18510	1.13%	0.114%
91	19.936	2904	2910	2921	rBV	1075299	1639275	100.00%	10.072%
92	20.253	2960	2964	2970	rBV3	35419	66747	4.07%	0.410%
93	20.300	2970	2972	2975	rVV2	34340	50547	3.08%	0.311%
94	20.335	2975	2978	2983	rVV	72620	101381	6.18%	0.623%
95	20.388	2983	2987	2993	rVB	32162	49361	3.01%	0.303%
96	21.005	3088	3092	3095	rBV2	34006	46348	2.83%	0.285%
97	21.845	3228	3235	3244	rVB	516096	904673	55.19%	5.558%
98	22.486	3340	3344	3350	rVB	51529	89390	5.45%	0.549%
99	24.971	3757	3767	3780	rVB	527591	1493617	91.11%	9.177%
100	25.206	3798	3807	3817	rVB3	277014	786073	47.95%	4.830%

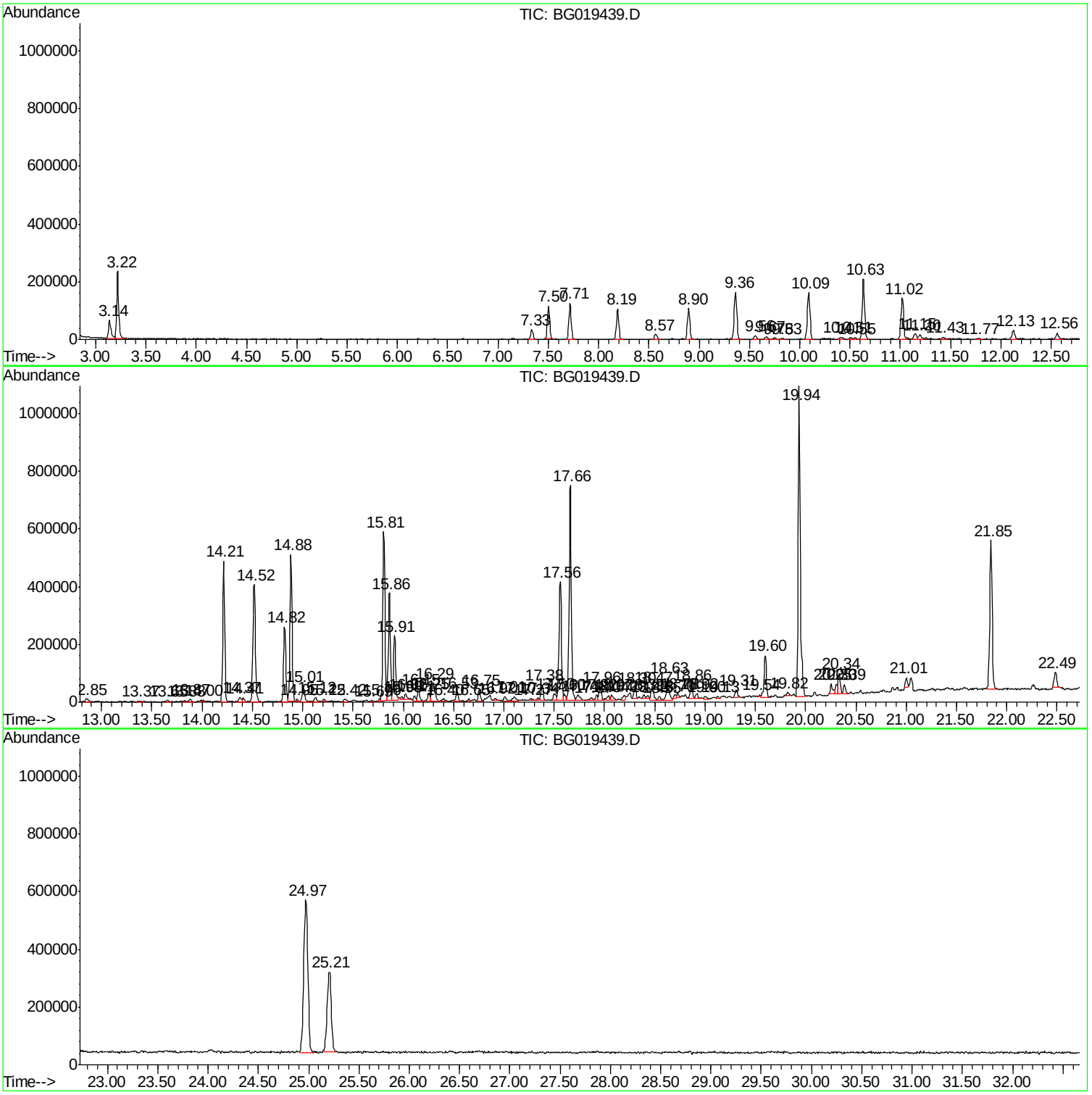
Sum of corrected areas: 16276223

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110215\
Data File : BG019439.D
Acq On : 2 Nov 2015 19:11
Operator : UM/NP
Sample : G4202-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BCY35

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG110215\
Data File : BG019439.D
Acq On : 2 Nov 2015 19:11
Operator : UM/NP
Sample : G4202-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY35

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

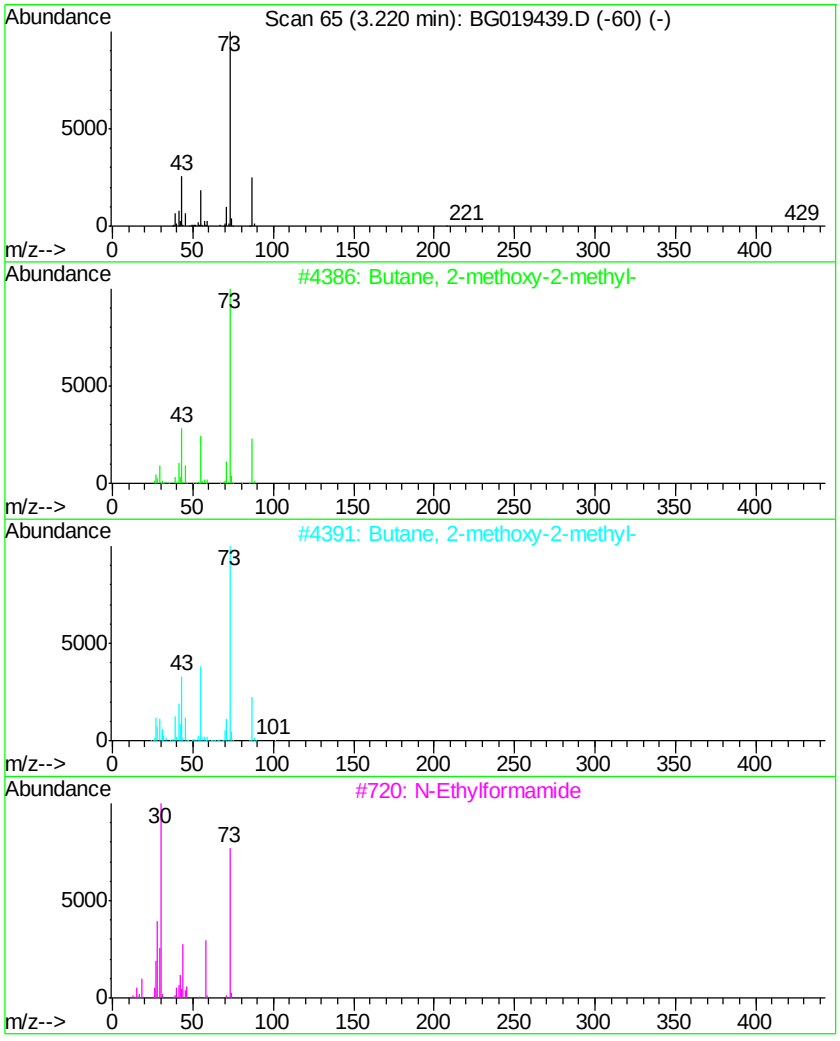
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

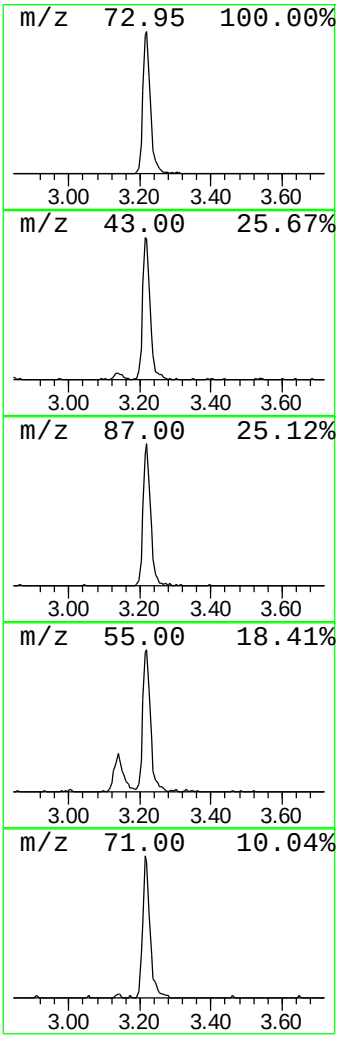
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.22	38.47 ng/ul	349295	1,4-Dichlorobenzene-d4	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	59
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	39
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
5	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110215\
Data File : BG019439.D
Acq On : 2 Nov 2015 19:11
Operator : UM/NP
Sample : G4202-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY35

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

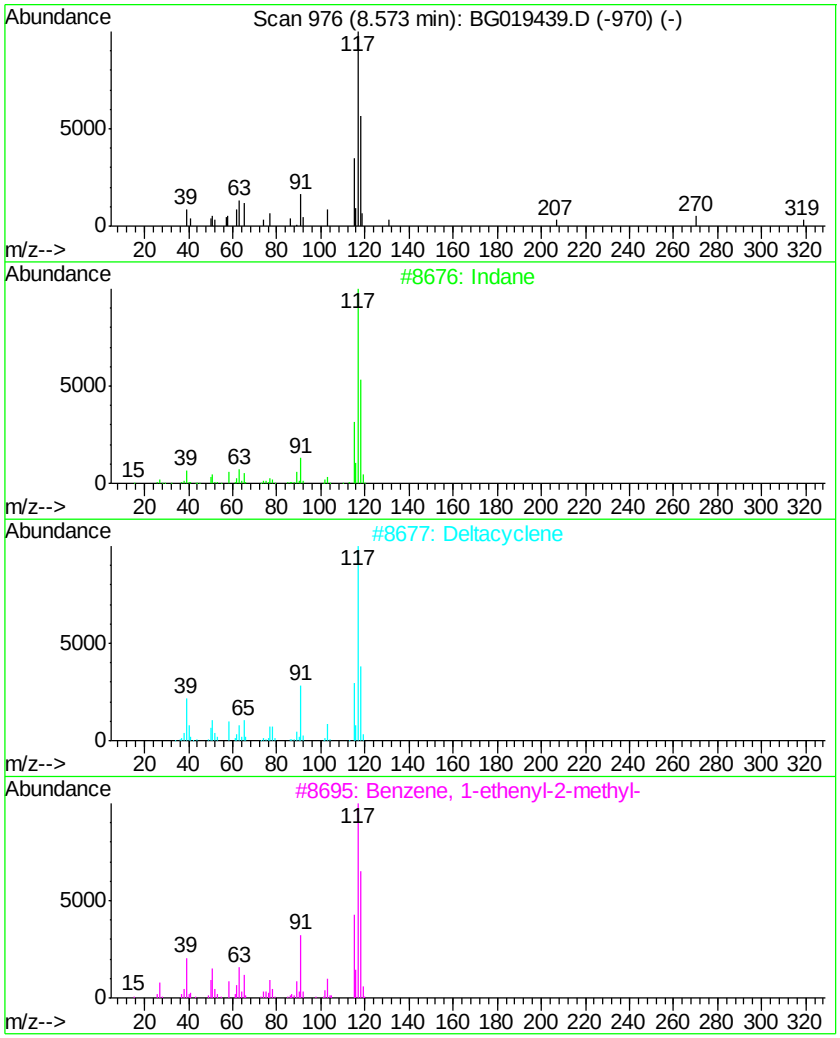
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

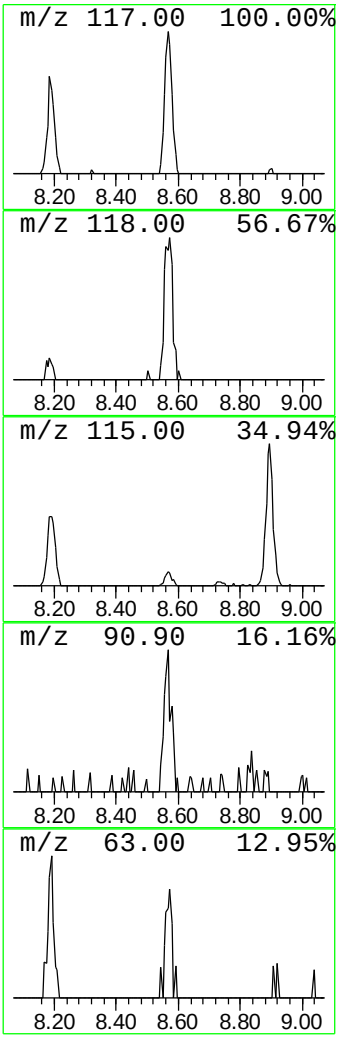
****

Peak Number 3 Indane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.57	3.34 ng/ul	30293	1,4-Dichlorobenzene-d4	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	76
2	Deltacyclene	118	C9H10	007785-10-6	70
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	55
4	Benzene, 1-(chloromethyl)-3-ethe...	152	C9H9Cl	039833-65-3	53
5	Benzene, (3-chloro-1-propenyl)-	152	C9H9Cl	002687-12-9	53





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110215\
Data File : BG019439.D
Acq On : 2 Nov 2015 19:11
Operator : UM/NP
Sample : G4202-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY35

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

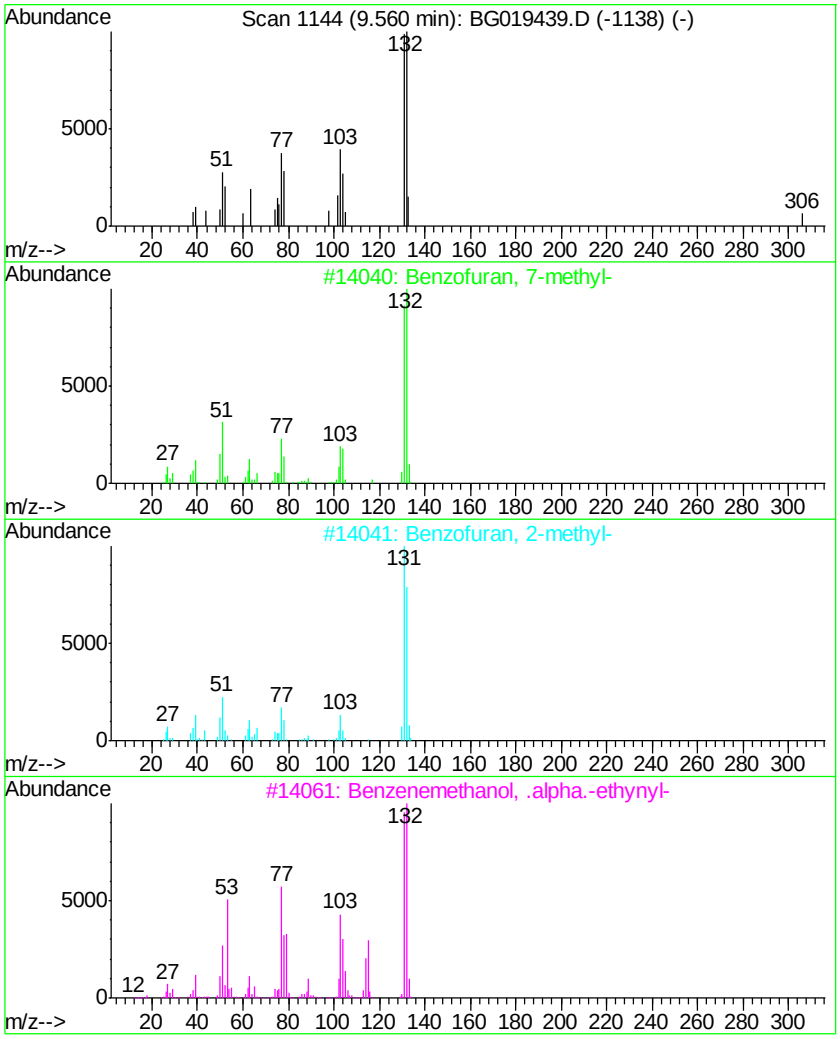
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

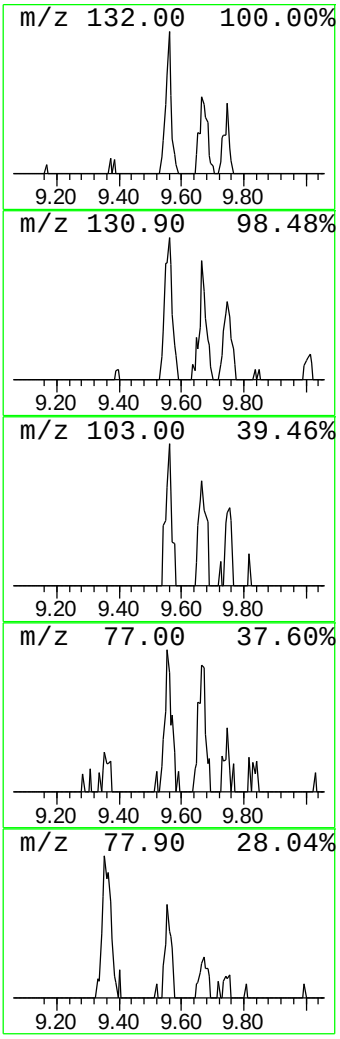
****

Peak Number 4 Benzofuran, 7-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	2.61 ng/ul	23719	1,4-Dichlorobenzene-d4	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	89
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	70
3	Benzenemethanol, .alpha.-ethynyl-	132	C9H8O	004187-87-5	70
4	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	64
5	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	62





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110215\
Data File : BG019439.D
Acq On : 2 Nov 2015 19:11
Operator : UM/NP
Sample : G4202-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY35

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

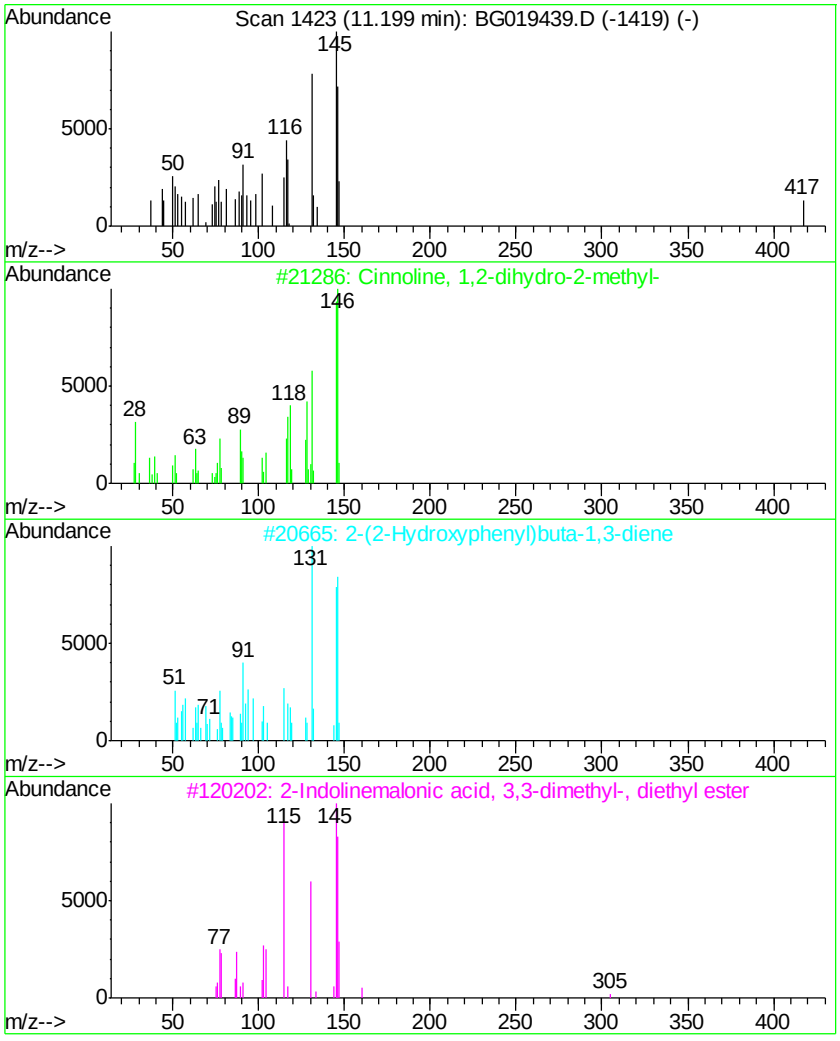
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

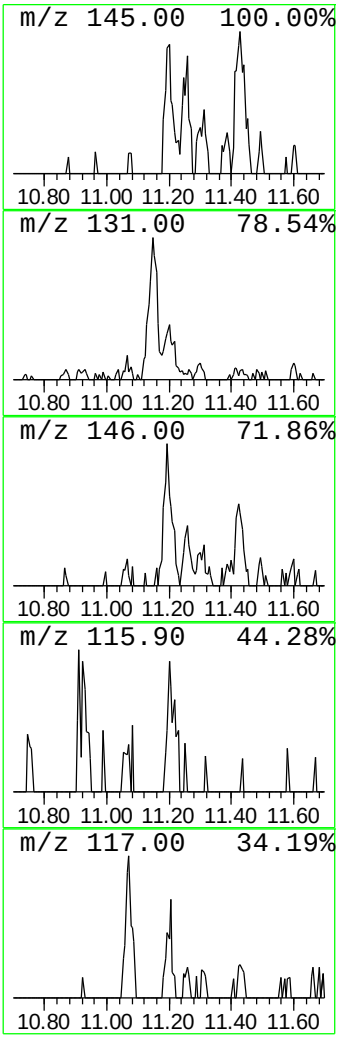
****

Peak Number 5 unknown-01 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	2.18 ng/ul	27984	Naphthalene-d8	11.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cinnoline, 1,2-dihydro-2-methyl-	146	C9H10N2	054063-10-4	43
2	2-(2-Hydroxyphenyl)buta-1,3-diene	146	C10H10O	038865-47-3	38
3	2-Indolinemalonic acid, 3,3-dime...	305	C17H23NO4	018781-64-1	35
4	1H-Inden-1-one, 2,3-dihydro-3-me...	146	C10H10O	006072-57-7	30
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	30





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110215\
Data File : BG019439.D
Acq On : 2 Nov 2015 19:11
Operator : UM/NP
Sample : G4202-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY35

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

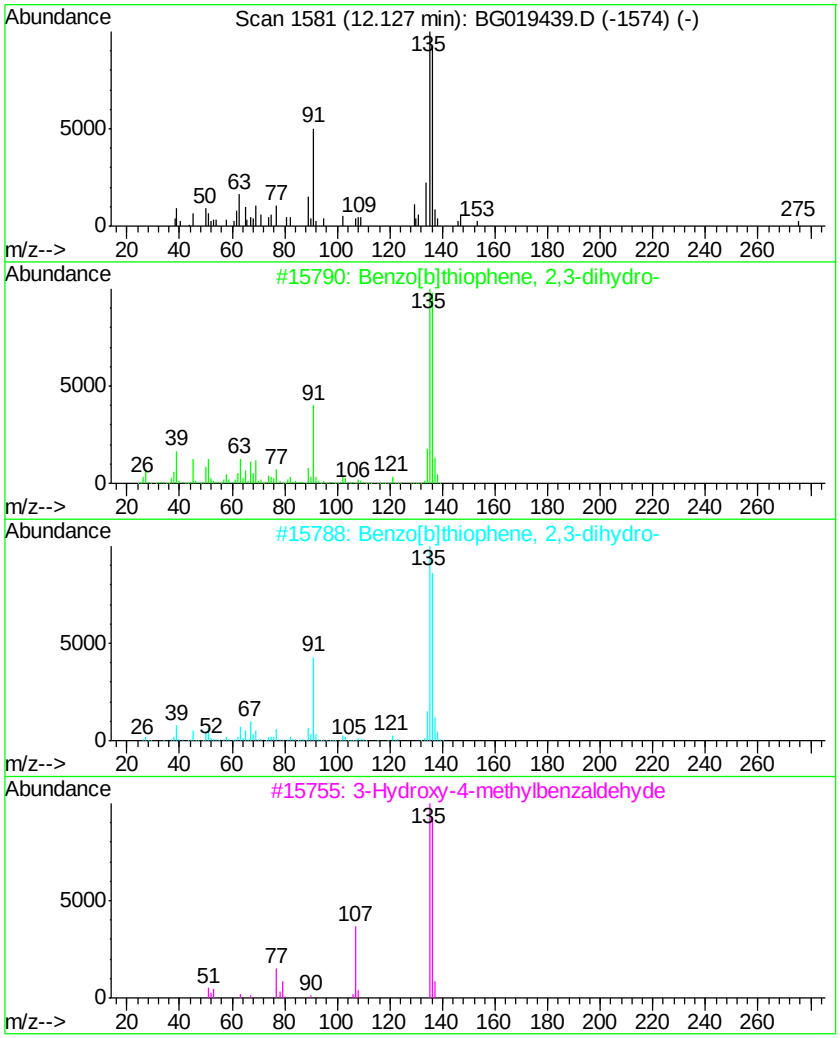
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

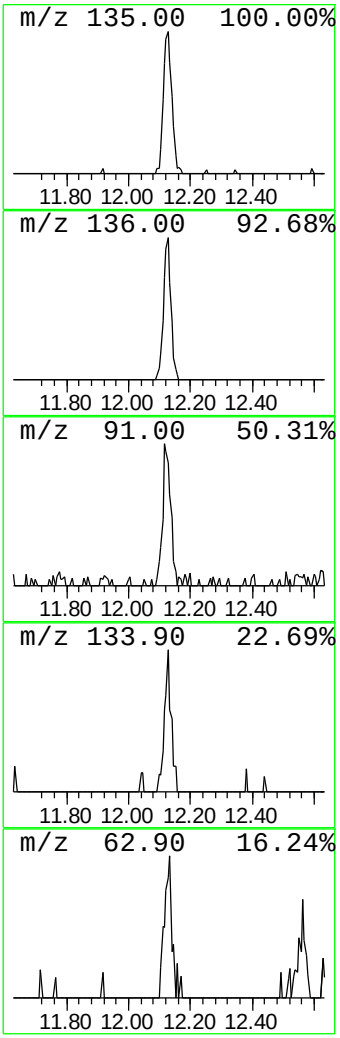
****

Peak Number 6 Benzo[b]thiophene, 2,3-dihy... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	4.39 ng/ul	56241	Naphthalene-d8	11.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 2,3-dihydro-	136	C8H8S	004565-32-6	72
2	Benzo[b]thiophene, 2,3-dihydro-	136	C8H8S	004565-32-6	64
3	3-Hydroxy-4-methylbenzaldehyde	136	C8H8O2	057295-30-4	64
4	1,3-Dioxane-5-carboxylic acid, 2...	252	C13H16O5	219529-78-9	59
5	Benzo[c]thiophene, 1,3-dihydro-	136	C8H8S	002471-92-3	59





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Data File : BG019439.D
Acq On : 2 Nov 2015 19:11
Operator : UM/NP
Sample : G4202-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY35

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

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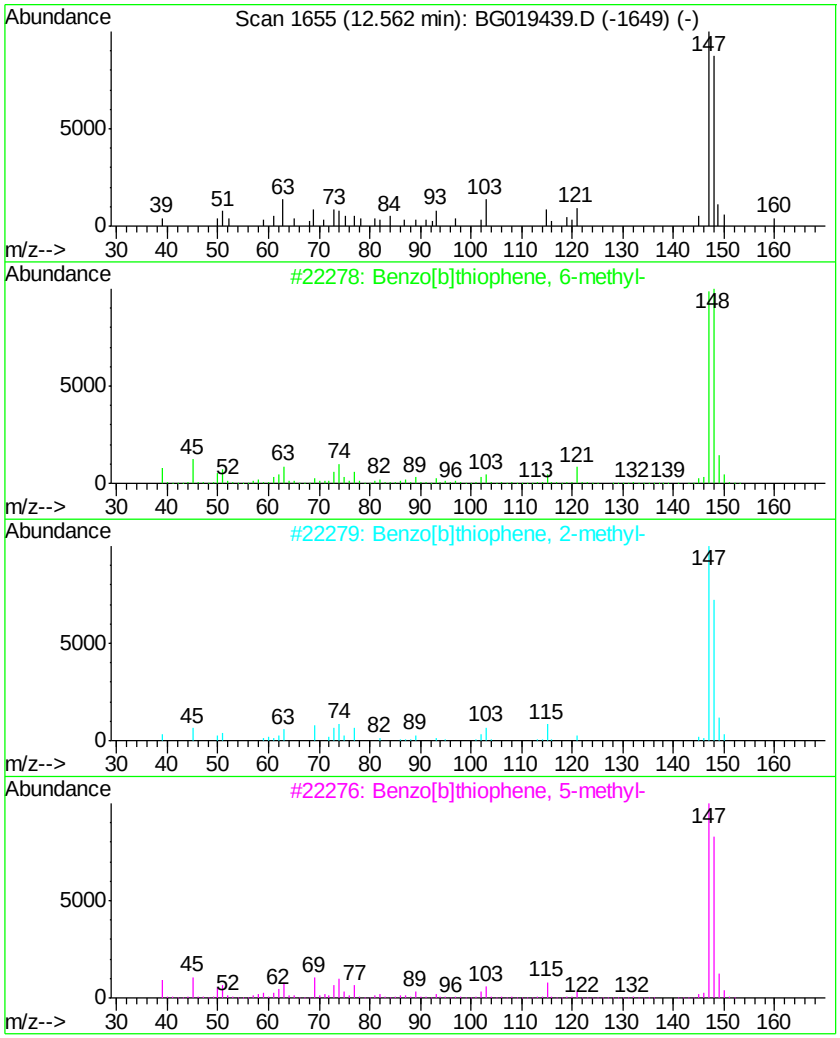
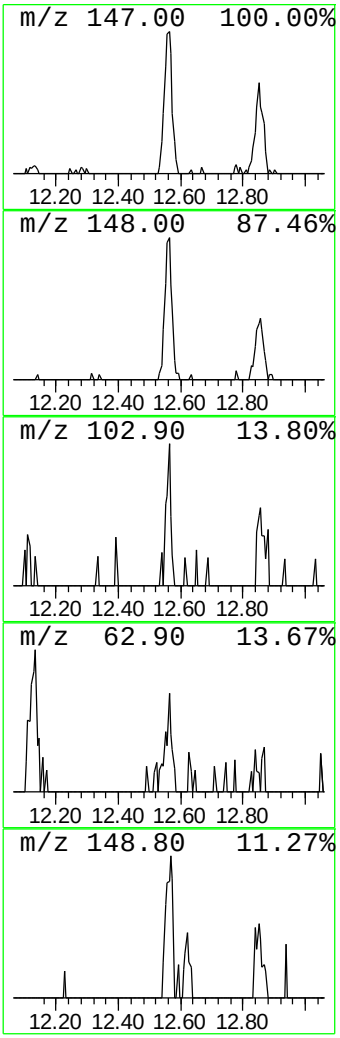
Peak Number 7 Benzo[b]thiophene, 6-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	3.36 ng/ul	43032	Naphthalene-d8	11.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	86
2	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	83
3	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	83
4	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	83
5	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	83





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Acq On : 2 Nov 2015 19:11
Operator : UM/NP
Sample : G4202-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY35

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

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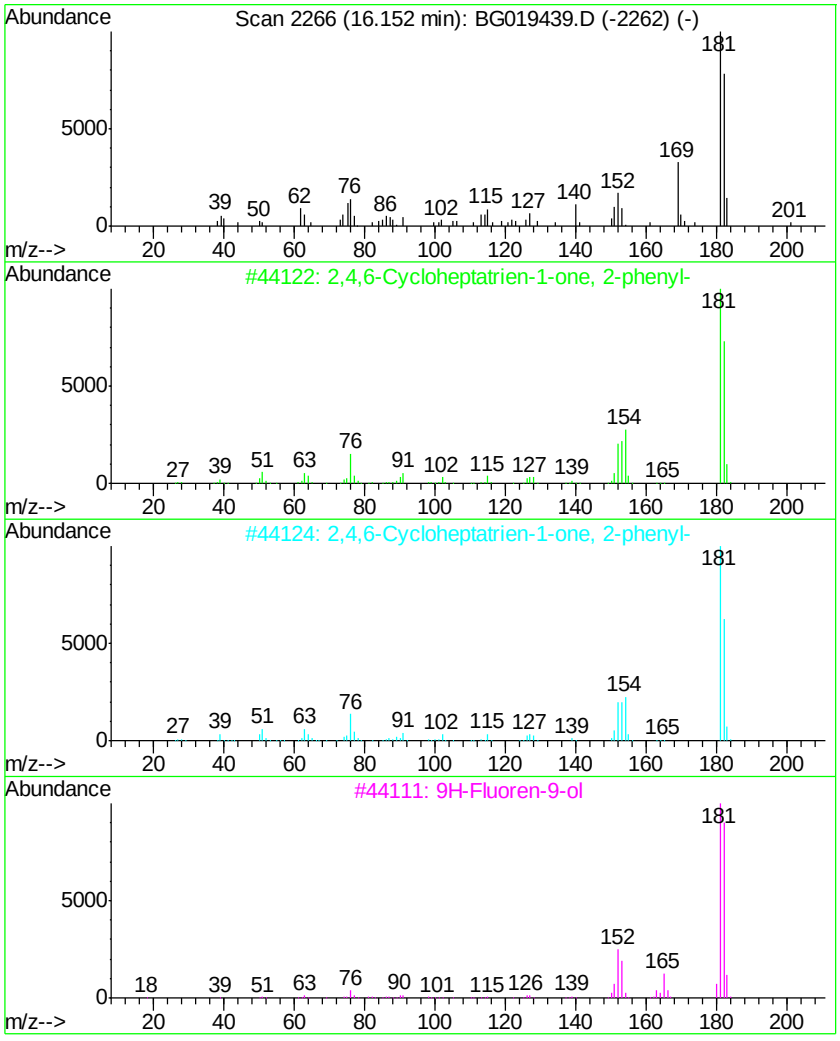
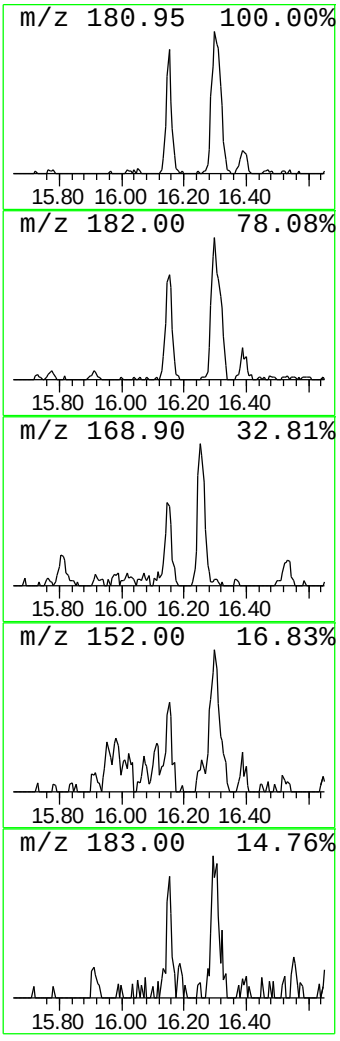
Peak Number 8 2,4,6-Cycloheptatrien-1-one... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.15	3.31 ng/ul	70455	Acenaphthene-d10	14.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	62
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	58
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	58
4	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	53
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	52





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110215\
Data File : BG019439.D
Acq On : 2 Nov 2015 19:11
Operator : UM/NP
Sample : G4202-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY35

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

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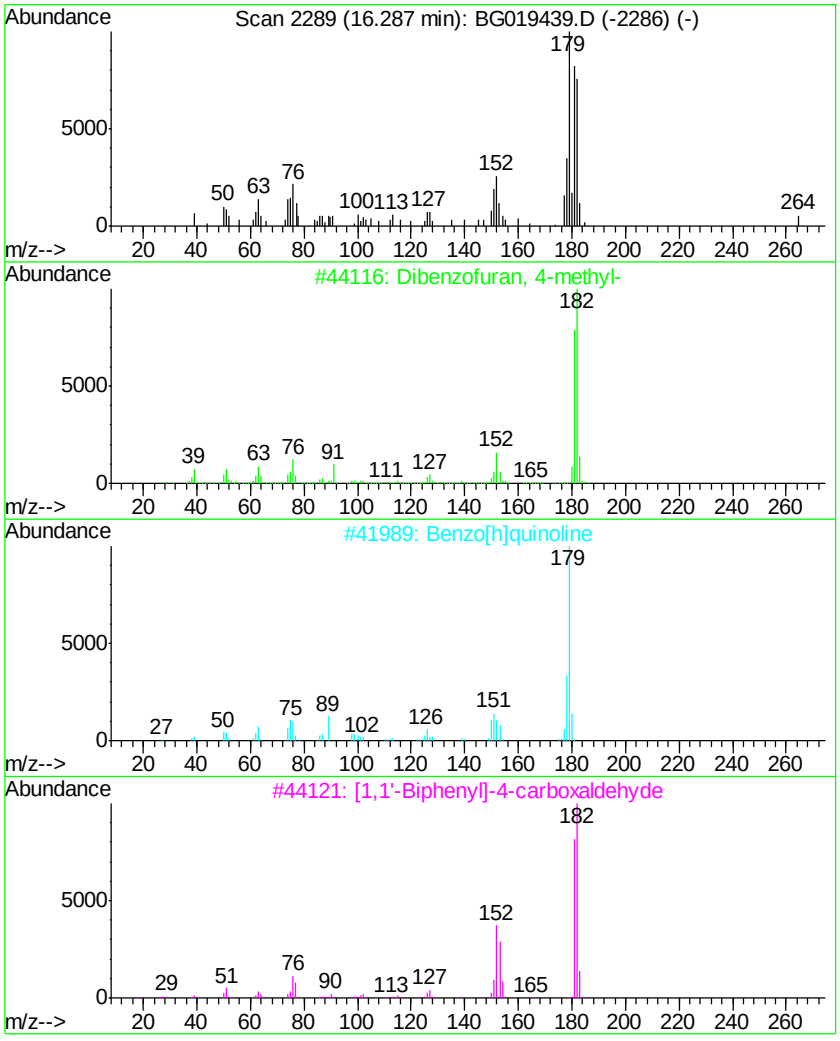
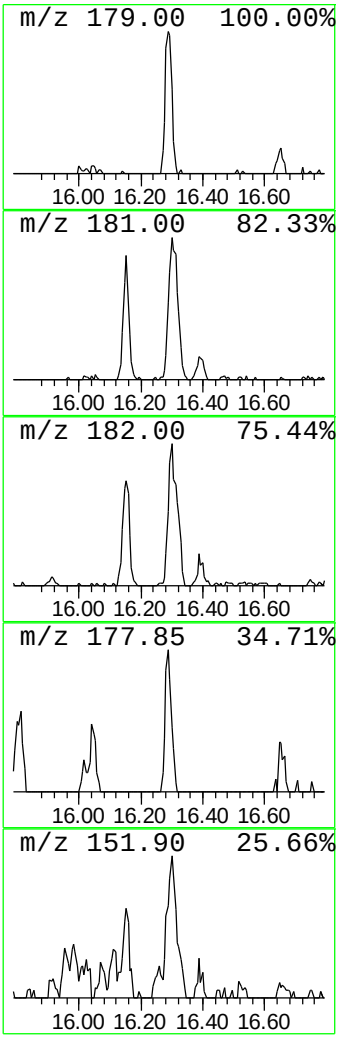
Peak Number 9 Dibenzofuran, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	3.76 ng/ul	127089	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	60
2	Benzo[h]quinoline	179	C13H9N	000230-27-3	46
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	45
4	2-Hydroxyfluorene	182	C13H10O	002443-58-5	43
5	Benzo[h]isoquinoline	179	C13H9N	000229-71-0	42





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Data File : BG019439.D
Acq On : 2 Nov 2015 19:11
Operator : UM/NP
Sample : G4202-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY35

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

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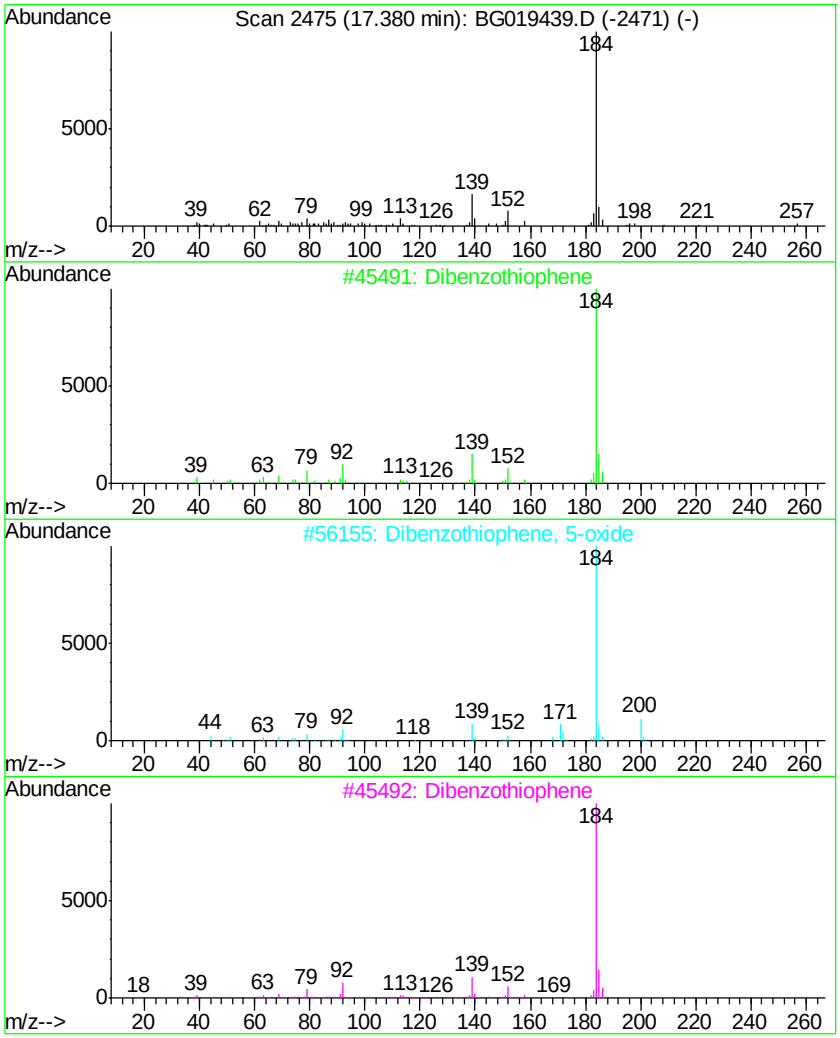
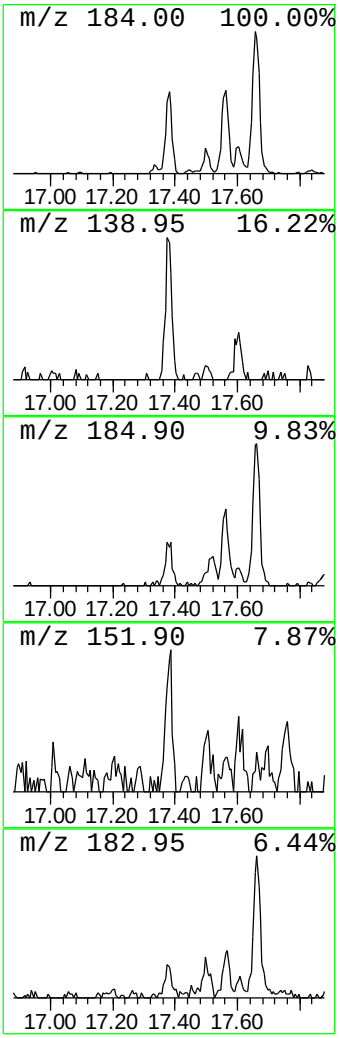
Peak Number 10 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.38	2.25 ng/ul	76185	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	83
2	Dibenzothiophene, 5-oxide	200	C12H8OS	001013-23-6	78
3	Dibenzothiophene	184	C12H8S	000132-65-0	72
4	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	72
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110215\
Data File : BG019439.D
Acq On : 2 Nov 2015 19:11
Operator : UM/NP
Sample : G4202-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY35

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

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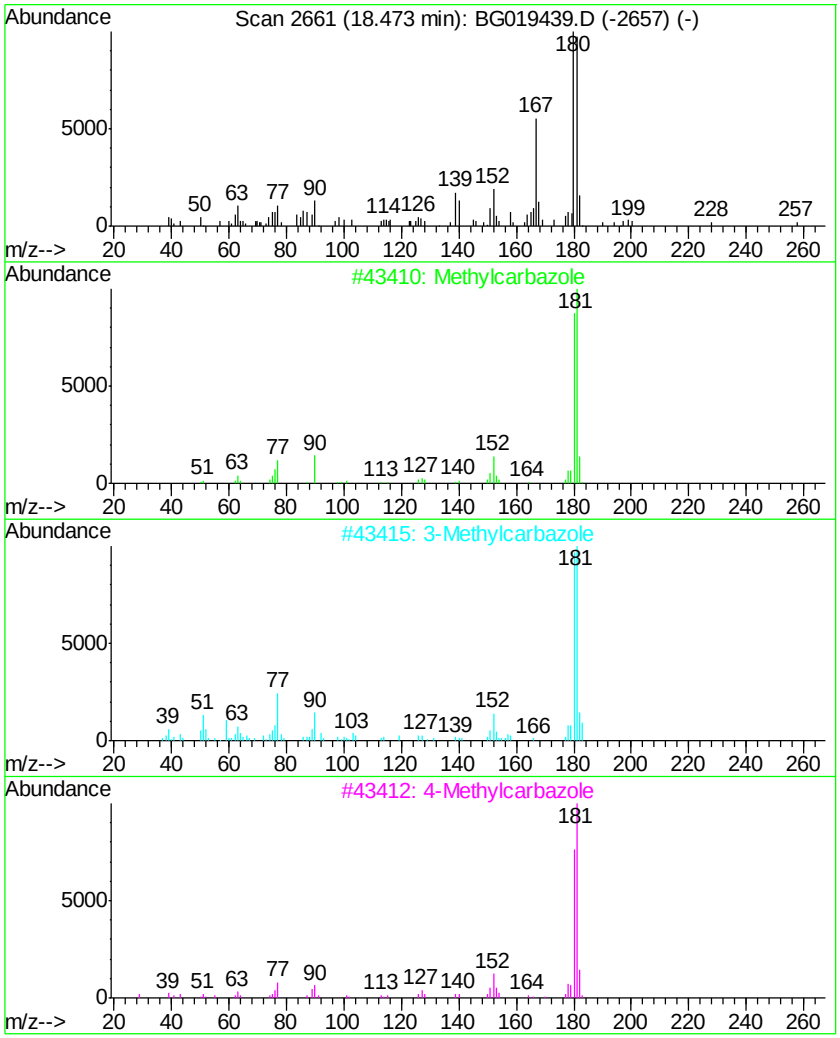
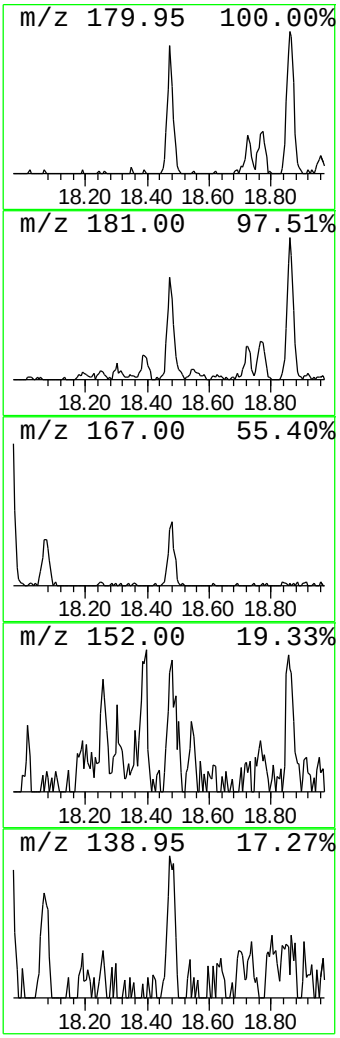
Peak Number 11 Methylcarbazole Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	2.31 ng/ul	78123	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylcarbazole	181	C13H11N	027323-29-1	93
2	3-Methylcarbazole	181	C13H11N	004630-20-0	93
3	4-Methylcarbazole	181	C13H11N	003770-48-7	92
4	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	86
5	1-Methylcarbazole	181	C13H11N	006510-65-2	76





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110215\
Data File : BG019439.D
Acq On : 2 Nov 2015 19:11
Operator : UM/NP
Sample : G4202-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY35

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

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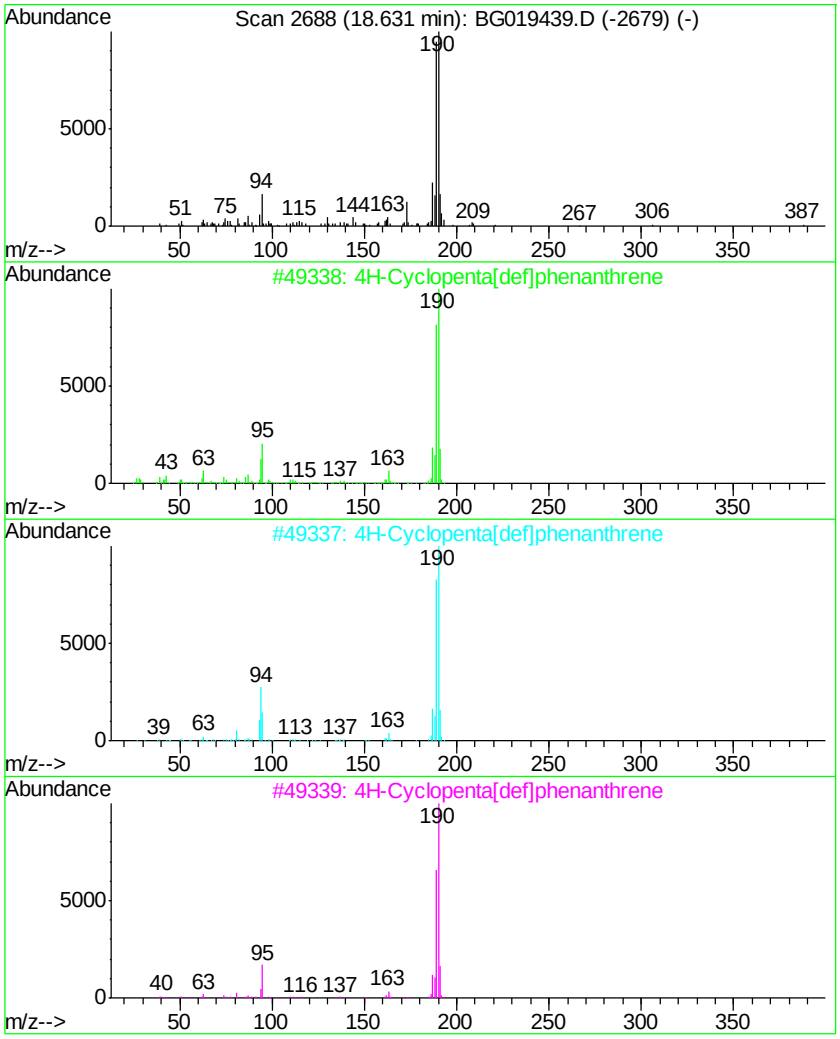
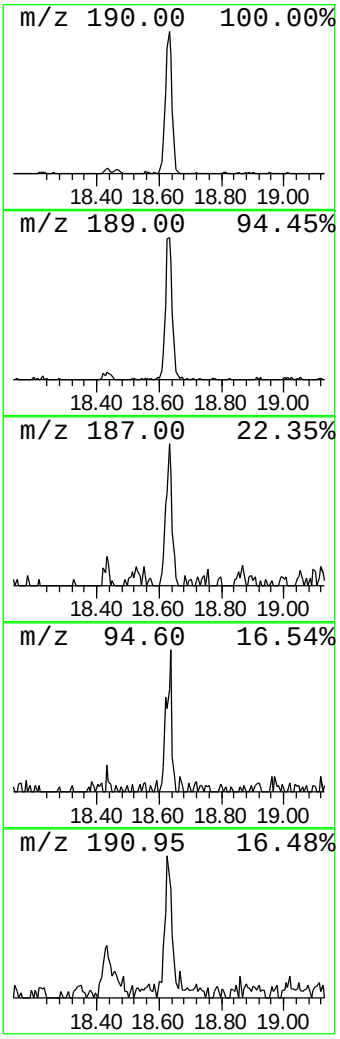
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	4.15 ng/ul	140439	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	80
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	78
5	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	72





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110215\
Data File : BG019439.D
Acq On : 2 Nov 2015 19:11
Operator : UM/NP
Sample : G4202-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY35

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

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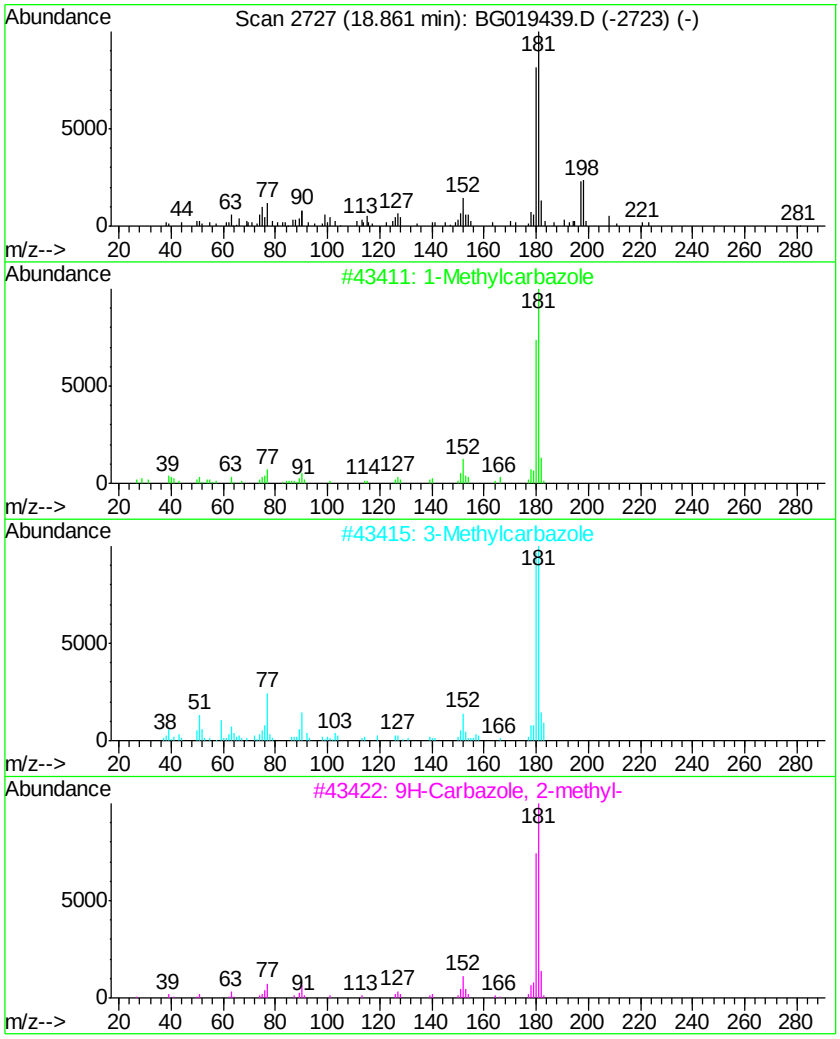
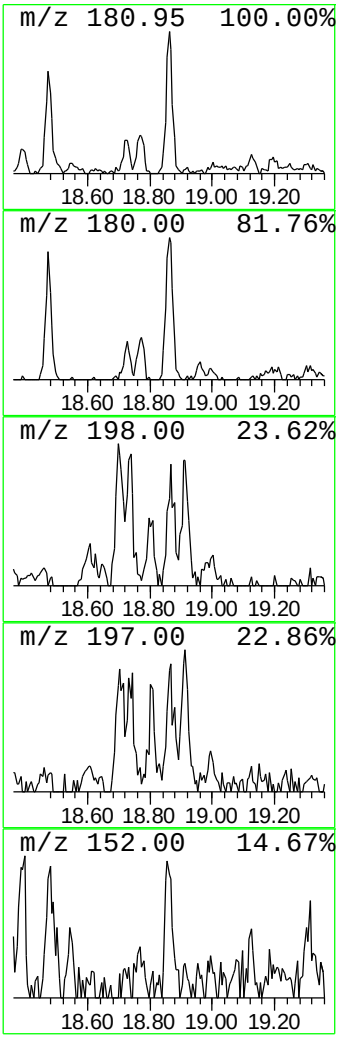
Peak Number 13 1-Methylcarbazole Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	2.29 ng/ul	77570	Phenanthrene-d10	17.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methylcarbazole	181	C13H11N	006510-65-2	94
2	3-Methylcarbazole	181	C13H11N	004630-20-0	89
3	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	76
4	3-Methylcarbazole	181	C13H11N	004630-20-0	76
5	3-Methylcarbazole	181	C13H11N	004630-20-0	76





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110215\
Data File : BG019439.D
Acq On : 2 Nov 2015 19:11
Operator : UM/NP
Sample : G4202-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY35

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.M
Quant Title : SVOA CALIBRATION

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

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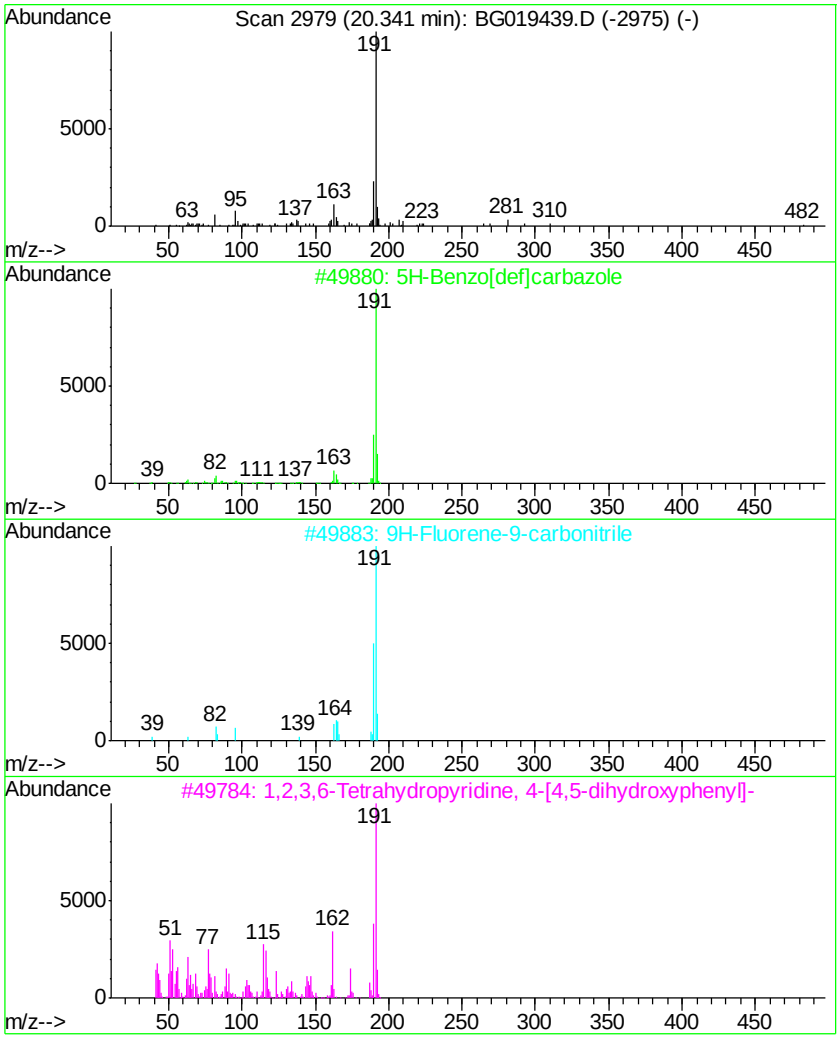
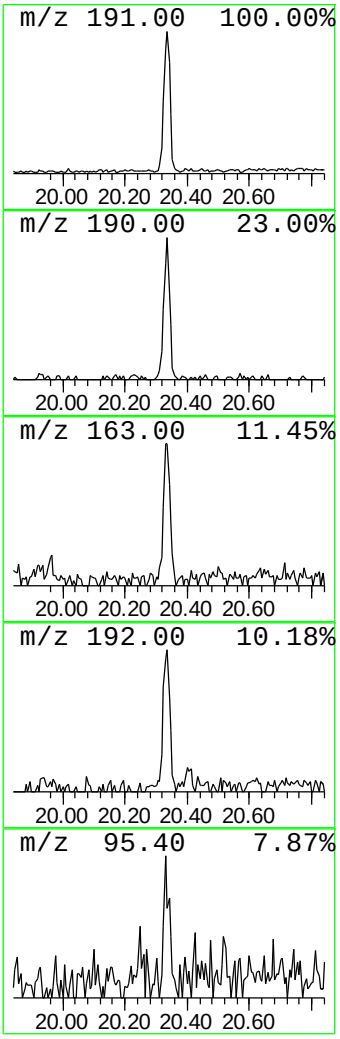
Peak Number 14 5H-Benzo[def]carbazole Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.34	2.24 ng/ul	101381	Chrysene-d12	21.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Benzo[def]carbazole	191	C14H9N	000203-65-6	83
2	9H-Fluorene-9-carbonitrile	191	C14H9N	001529-40-4	72
3	1,2,3,6-Tetrahydropyridine, 4-[4...	191	C11H13NO2	090684-17-6	64
4	9H-Fluorene-9-carbonitrile	191	C14H9N	001529-40-4	58
5	1,2,3,6-Tetrahydropyridine, 4-[4...	191	C11H13NO2	090684-17-6	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110215\
Data File : BG019439.D
Acq On : 2 Nov 2015 19:11
Operator : UM/NP
Sample : G4202-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BCY35

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG102815.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...	3.22	38.5	ng/ul	349295	1	8.18	181574	20.0
Indane	8.57	3.3	ng/ul	30293	1	8.18	181574	20.0
Benzofuran, 7-met...	9.56	2.6	ng/ul	23719	1	8.18	181574	20.0
unknown-01	11.20	2.2	ng/ul	27984	2	11.02	256397	20.0
Benzo[b]thiophene...	12.13	4.4	ng/ul	56241	2	11.02	256397	20.0
Benzo[b]thiophene...	12.56	3.4	ng/ul	43032	2	11.02	256397	20.0
2,4,6-Cycloheptat...	16.15	3.3	ng/ul	70455	3	14.82	425948	20.0
Dibenzofuran, 4-m...	16.29	3.8	ng/ul	127089	4	17.56	676318	20.0
Dibenzothiophene	17.38	2.3	ng/ul	76185	4	17.56	676318	20.0
Methylcarbazole	18.47	2.3	ng/ul	78123	4	17.56	676318	20.0
4H-Cyclopenta[def...	18.63	4.2	ng/ul	140439	4	17.56	676318	20.0
1-Methylcarbazole	18.86	2.3	ng/ul	77570	4	17.56	676318	20.0
5H-Benzo[def]carb...	20.34	2.2	ng/ul	101381	5	21.85	904673	20.0