LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020155.D
Acq On : 14 Dec 2015 14:58
Operator : UM/SJ
Sample : G4767-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N28

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-BG121415.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	3.123	44	48	57	rBV	25491	48423	1.61%	0.196%
2	7.248	743	750	758	rBV	111154	188295	6.28%	0.762%
3	7.418	773	779	787	rVB	83763	132662	4.42%	0.537%
4	7.624	808	814	822	rVB	104578	176051	5.87%	0.712%
5	8.100	889	895	903	rVB	84430	136043	4.54%	0.550%
6	8.640	980	987	995	rVB	35934	59415	1.98%	0.240%
7	8.799	1007	1014	1023	rVB	145201	242984	8.10%	0.983%
8	9.263	1086	1093	1101	rBV	111644	190684	6.36%	0.771%
9	9.992	1207	1217	1224	rVB	99024	174215	5.81%	0.705%
10	10.532	1300	1309	1318	rVB	151793	267392	8.92%	1.082%
11	10.920	1367	1375	1378	rBV	119791	216420	7.22%	0.876%
12	10.973	1378	1384	1391	rVB	680412	1223359	40.79%	4.949%
13	11.049	1391	1397	1402	rBV	131560	249992	8.34%	1.011%
14	11.742	1510	1515	1524	rVB	11633	20611	0.69%	0.083%
15	12.565	1648	1655	1662	rBV	348753	567953	18.94%	2.298%
16	12.682	1668	1675	1681	rVB	13411	23739	0.79%	0.096%
17	12.782	1681	1692	1701	rBV	168563	282555	9.42%	1.143%
18	13.564	1817	1825	1832	rBV	120242	189980	6.33%	0.769%
19	13.758	1852	1858	1869	rVB	40070	70380	2.35%	0.285%
20	13.893	1869	1881	1882	rBV	47369	72655	2.42%	0.294%
21	14.051	1897	1908	1913	rVV	69872	129333	4.31%	0.523%
22	14.128	1913	1921	1925	rVV	300898	499033	16.64%	2.019%
23	14.175	1925	1929	1937	rVB	132195	179114	5.97%	0.725%
24	14.286	1943	1948	1951	rVV2	29063	44457	1.48%	0.180%
25	14.422	1964	1971	1982	rBV	312847	549419	18.32%	2.223%
26	14.698	2012	2018	2019	rVV	44199	56296	1.88%	0.228%
27	14.727	2019	2023	2029	rVV2	209137	350225	11.68%	1.417%
28	14.798	2029	2035	2041	rVV	648195	997091	33.25%	4.034%
29	14.856	2041	2045	2049	rVV	27491	41846	1.40%	0.169%
30	14.909	2049	2054	2065	rVV3	146465	252264	8.41%	1.021%
31	15.039	2072	2076	2080	rVV2	24404	37479	1.25%	0.152%
32	15.127	2084	2091	2098	rVV	444370	681541	22.72%	2.757%
33	15.197	2098	2103	2116	rVB4	16703	29698	0.99%	0.120%
34	15.556	2159	2164	2168	rVV2	18852	29271	0.98%	0.118%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020155.D
Acq On : 14 Dec 2015 14:58
Operator : UM/SJ
Sample : G4767-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N28

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-BG121415.M
Title : SVOA CALIBRATION

35	15.720	2182	2192	2196	rVV	413107	648418	21.62%	2.623%
36	15.773	2196	2201	2207	rVV	601199	948392	31.62%	3.837%
37	15.832	2207	2211	2215	rVV	138546	207041	6.90%	0.838%
38	15.867	2215	2217	2219	rVV	22719	28068	0.94%	0.114%
39	15.896	2219	2222	2225	rVV	38854	58746	1.96%	0.238%
40	15.938	2225	2229	2234	rVV2	70974	122363	4.08%	0.495%
41	15.979	2234	2236	2240	rVV2	16278	28019	0.93%	0.113%
42	16.026	2240	2244	2247	rVV2	35954	57301	1.91%	0.232%
43	16.061	2247	2250	2256	rVB	74233	109723	3.66%	0.444%
44	16.208	2267	2275	2283	rVV	80791	174549	5.82%	0.706%
45	16.419	2306	2311	2313	rBV2	18168	26972	0.90%	0.109%
46	16.566	2326	2336	2345	rBV3	52524	97375	3.25%	0.394%
47	16.772	2359	2371	2376	rBV2	55972	130057	4.34%	0.526%
48	16.825	2376	2380	2386	rVV2	20922	33808	1.13%	0.137%
49	16.925	2391	2397	2402	rVB4	23407	38535	1.28%	0.156%
50	16.995	2402	2409	2412	rBV3	19140	39133	1.30%	0.158%
51	17.042	2412	2417	2420	rBV3	16856	21571	0.72%	0.087%
52	17.124	2426	2431	2438	rVB5	12328	23273	0.78%	0.094%
53	17.207	2438	2445	2453	rBV5	30042	80731	2.69%	0.327%
54	17.289	2454	2459	2468	rVB	133817	200282	6.68%	0.810%
55	17.471	2483	2490	2493	rBV	270344	439009	14.64%	1.776%
56	17.524	2493	2499	2503	rVV	1921086	2999190	100.00%	12.133%
57	17.571	2503	2507	2511	rVV	501932	811832	27.07%	3.284%
58	17.606	2511	2513	2518	rVV	286404	341309	11.38%	1.381%
59	17.871	2545	2558	2568	rVV	167988	292411	9.75%	1.183%
60	17.988	2574	2578	2582	rVV2	27686	42303	1.41%	0.171%
61	18.194	2608	2613	2622	rVB4	9927	23166	0.77%	0.094%
62	18.346	2634	2639	2643	rBV	173444	250283	8.35%	1.012%
63	18.393	2643	2647	2654	rVB	148944	220071	7.34%	0.890%
64	18.470	2654	2660	2666	rBV	47955	81414	2.71%	0.329%
65	18.540	2666	2672	2677	rBV2	205291	378810	12.63%	1.532%
66	18.840	2717	2723	2728	rVV	89459	127159	4.24%	0.514%
67	19.081	2759	2764	2768	rVV2	16928	24148	0.81%	0.098%
68	19.251	2788	2793	2798	rBV2	28403	53636	1.79%	0.217%
69	19.316	2798	2804	2813	rVB4	17918	42988	1.43%	0.174%
70	19.522	2831	2839	2845	rVB	995955	1453525	48.46%	5.880%
71	19.610	2850	2854	2858	rVV2	40064	47975	1.60%	0.194%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020155.D
Acq On : 14 Dec 2015 14:58
Operator : UM/SJ
Sample : G4767-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N28

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-BG121415.M
Title : SVOA CALIBRATION

72	19.757	2873	2879	2884	rBV2	26582	44619	1.49%	0.181%
73	19.851	2889	2895	2898	rBV2	739018	1204938	40.18%	4.874%
74	19.880	2898	2900	2908	rVB	656847	811510	27.06%	3.283%
75	19.945	2908	2911	2917	rVB3	30332	46930	1.56%	0.190%
76	20.050	2924	2929	2936	rVB	35513	50269	1.68%	0.203%
77	20.191	2947	2953	2955	rBV	31744	54903	1.83%	0.222%
78	20.250	2960	2963	2968	rVV	20439	26587	0.89%	0.108%
79	20.368	2969	2983	2987	rVB	102140	189383	6.31%	0.766%
80	20.467	2993	3000	3004	rBV	118213	170561	5.69%	0.690%
81	20.520	3004	3009	3013	rVV2	37334	71537	2.39%	0.289%
82	20.561	3013	3016	3020	rVV	25883	35868	1.20%	0.145%
83	20.667	3029	3034	3037	rVV2	15407	24779	0.83%	0.100%
84	20.708	3037	3041	3044	rVV3	19411	30072	1.00%	0.122%
85	21.079	3100	3104	3110	rBV3	10031	21149	0.71%	0.086%
86	21.319	3138	3145	3148	rBV	27402	43497	1.45%	0.176%
87	21.366	3148	3153	3157	rVV2	69333	119237	3.98%	0.482%
88	21.402	3157	3159	3165	rVV2	27525	53133	1.77%	0.215%
89	21.619	3189	3196	3200	rVB3	12422	25700	0.86%	0.104%
90	21.742	3205	3217	3222	rVV2	348100	819488	27.32%	3.315%
91	21.789	3222	3225	3233	rVB	105217	161115	5.37%	0.652%
92	21.942	3245	3251	3259	rVV2	27424	50497	1.68%	0.204%
93	22.154	3281	3287	3292	rBV3	12165	24064	0.80%	0.097%
94	23.975	3588	3597	3604	rBV2	29170	96915	3.23%	0.392%
95	24.704	3715	3721	3725	rBV2	13236	28007	0.93%	0.113%
96	24.792	3725	3736	3744	rVV	296100	803413	26.79%	3.250%
97	24.851	3744	3746	3755	rVB2	19016	37598	1.25%	0.152%
98	25.015	3763	3774	3784	rBV2	183915	510150	17.01%	2.064%
99	26.173	3964	3971	3977	rBV6	8146	21518	0.72%	0.087%
100	27.559	4197	4207	4216	rBV5	8712	27667	0.92%	0.112%

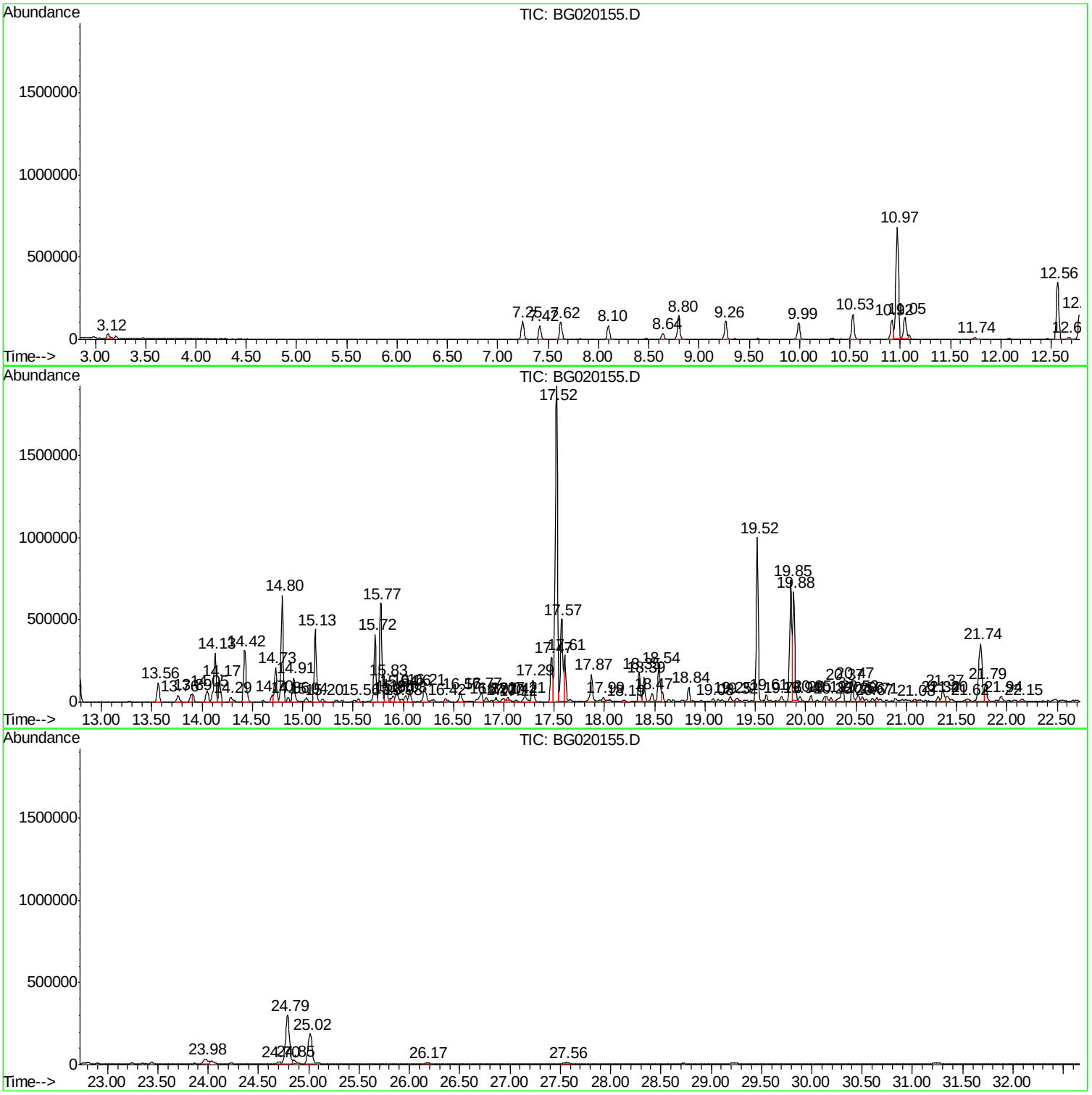
Sum of corrected areas: 24719565

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020155.D
Acq On : 14 Dec 2015 14:58
Operator : UM/SJ
Sample : G4767-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N28

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.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\BG121515\
Data File : BG020155.D
Acq On : 14 Dec 2015 14:58
Operator : UM/SJ
Sample : G4767-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N28

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

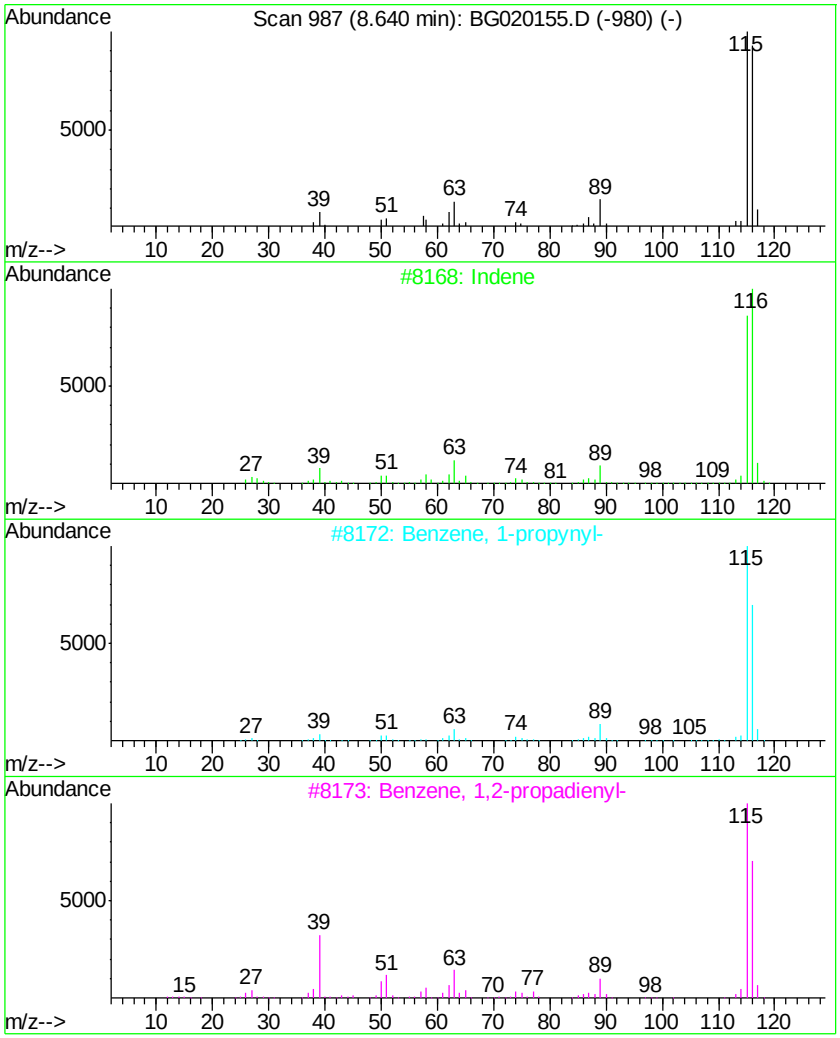
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

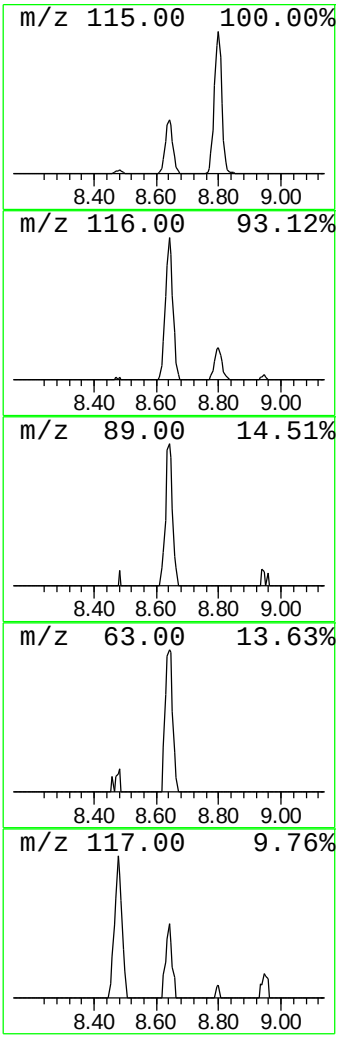
****

Peak Number 2 Indene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.64	8.73 ng/ul	59415	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	94
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
3	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91
4	Indene	116	C9H8	000095-13-6	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020155.D
Acq On : 14 Dec 2015 14:58
Operator : UM/SJ
Sample : G4767-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N28

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

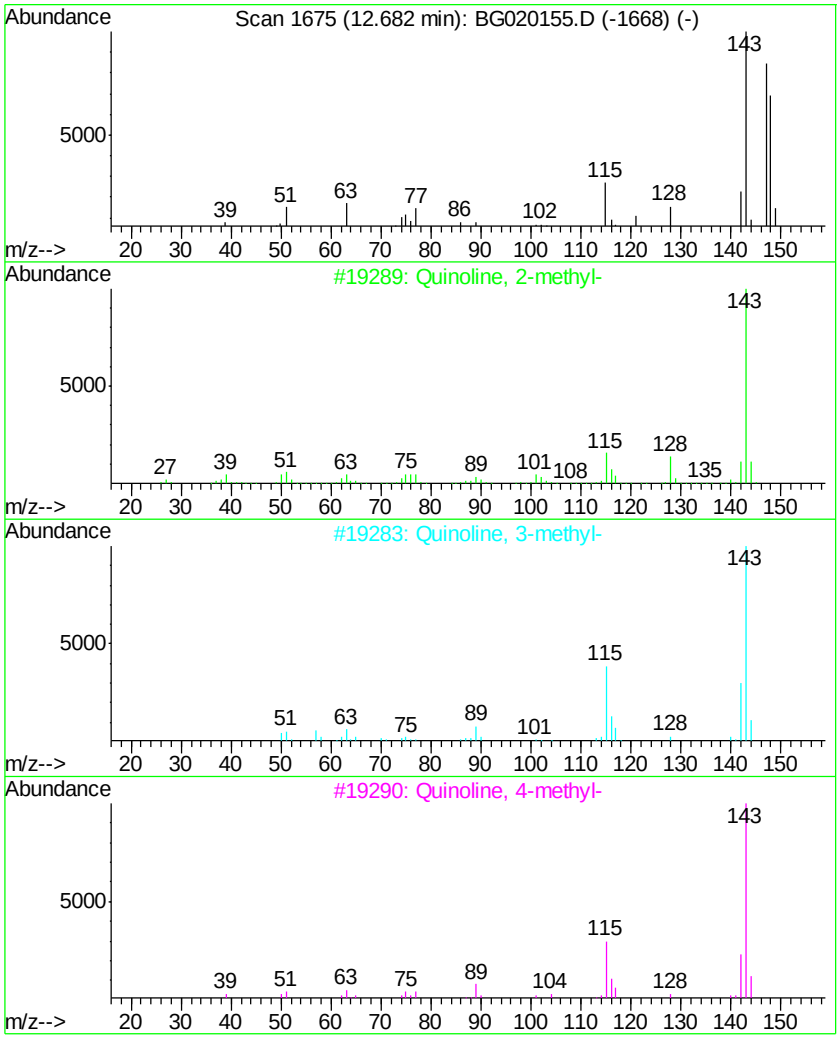
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

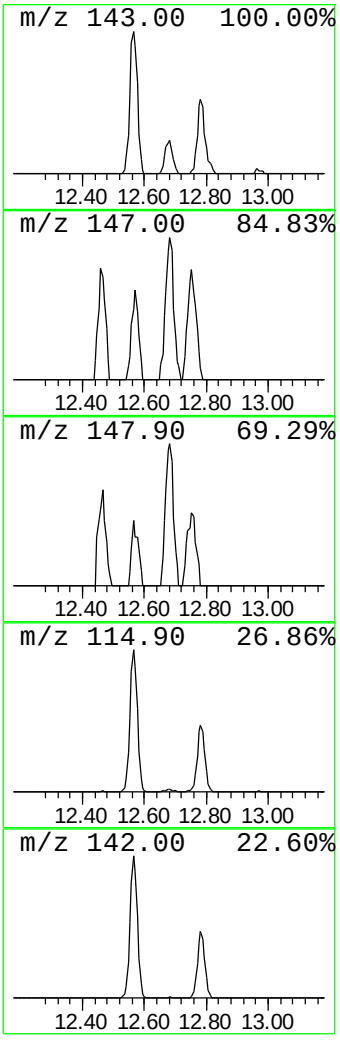
****

Peak Number 3 unknown-01 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	2.19 ng/ul	23739	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 2-methyl-	143	C10H9N	000091-63-4	46
2	Quinoline, 3-methyl-	143	C10H9N	000612-58-8	43
3	Quinoline, 4-methyl-	143	C10H9N	000491-35-0	43
4	Quinoline, 4-methyl-	143	C10H9N	000491-35-0	43
5	Isoquinoline, 1-methyl-	143	C10H9N	001721-93-3	38





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020155.D
Acq On : 14 Dec 2015 14:58
Operator : UM/SJ
Sample : G4767-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N28

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

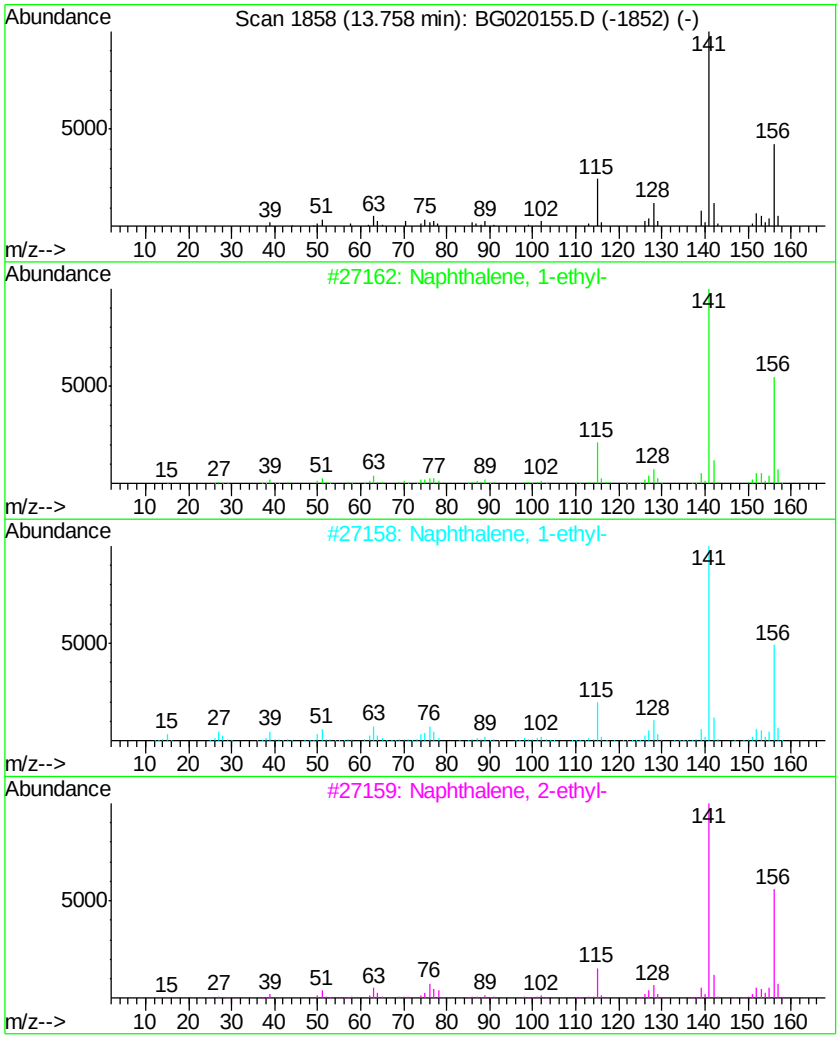
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

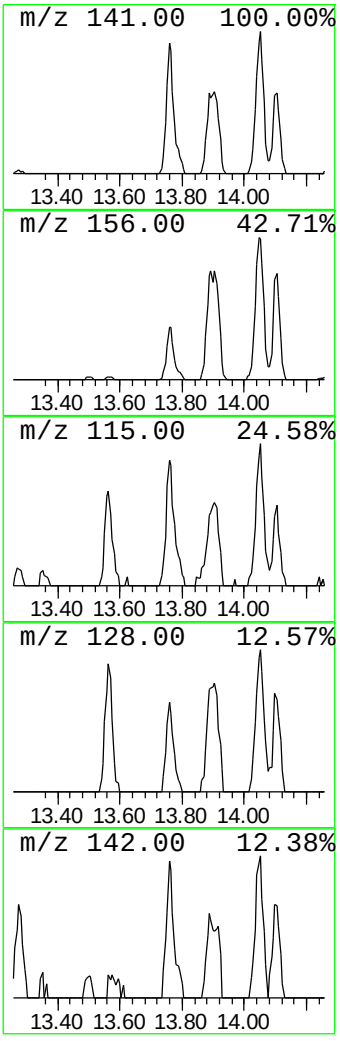
****

Peak Number 4 Naphthalene, 1-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	4.02 ng/ul	70380	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020155.D
Acq On : 14 Dec 2015 14:58
Operator : UM/SJ
Sample : G4767-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N28

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

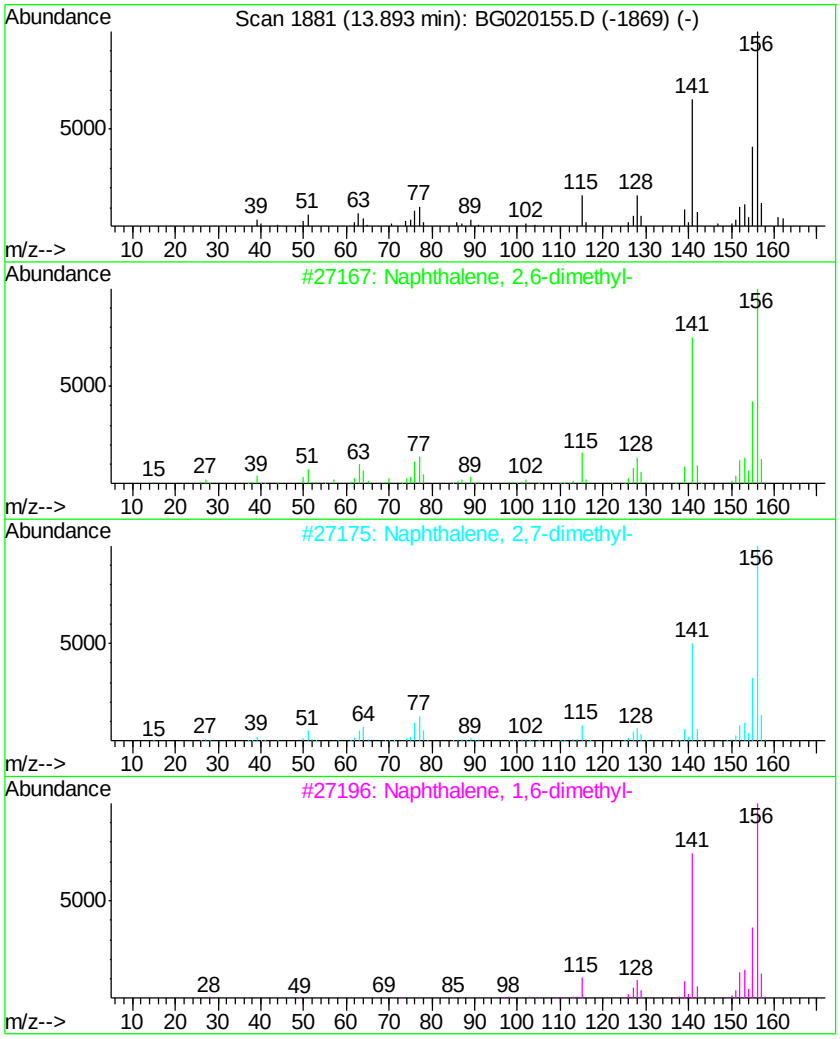
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

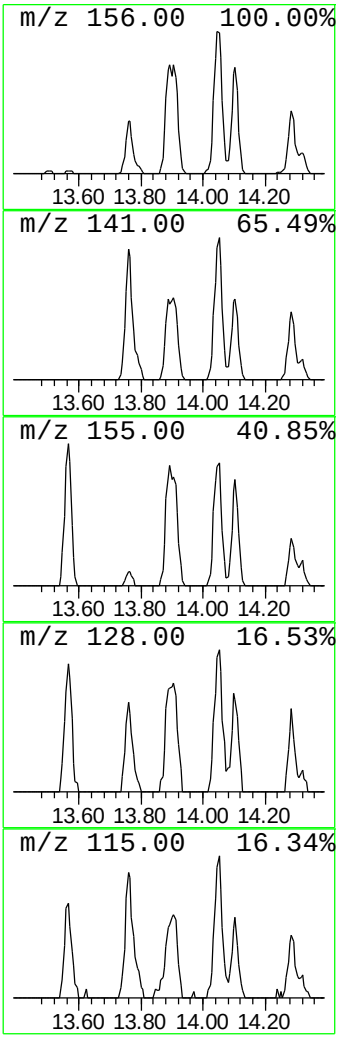
****

Peak Number 5 Naphthalene, 2,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	4.15 ng/ul	72655	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020155.D
Acq On : 14 Dec 2015 14:58
Operator : UM/SJ
Sample : G4767-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N28

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

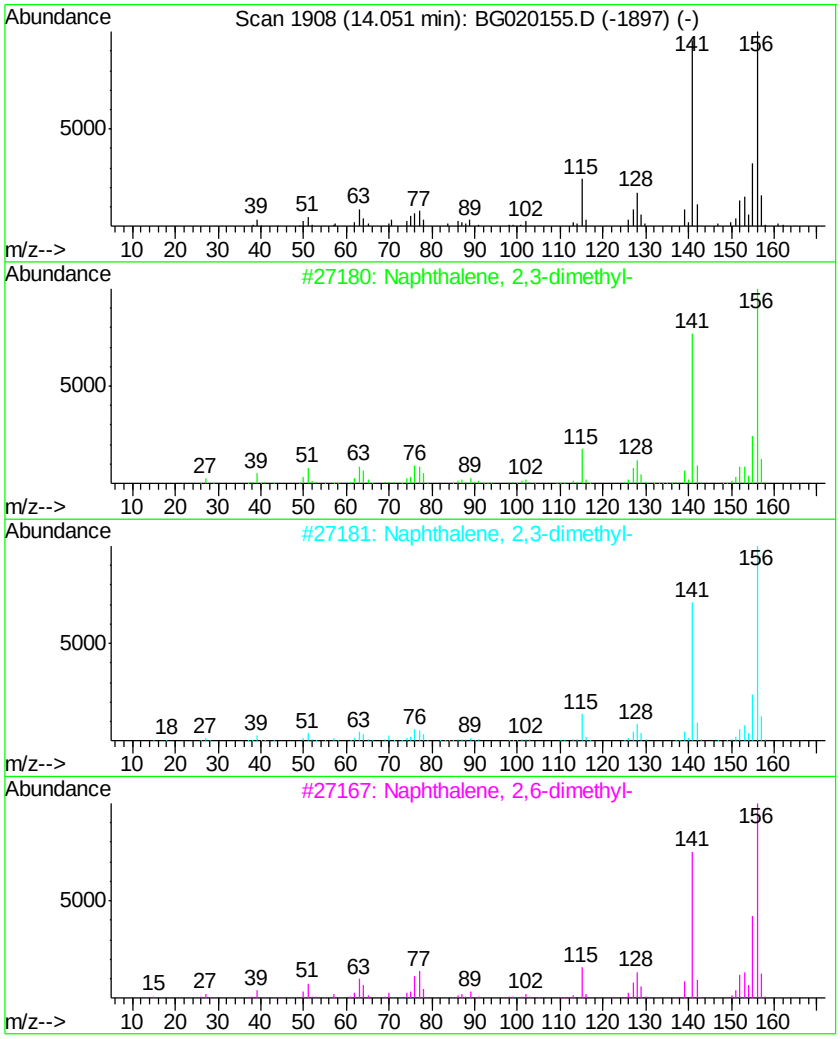
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

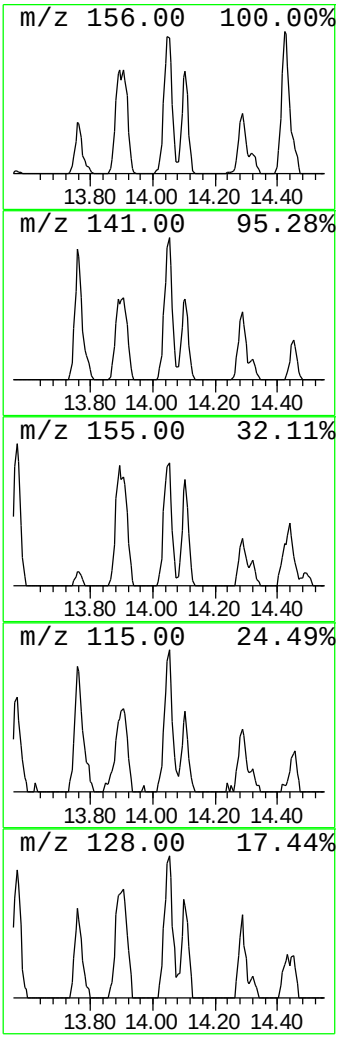
****

Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.05	7.39 ng/ul	129333	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020155.D
Acq On : 14 Dec 2015 14:58
Operator : UM/SJ
Sample : G4767-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N28

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

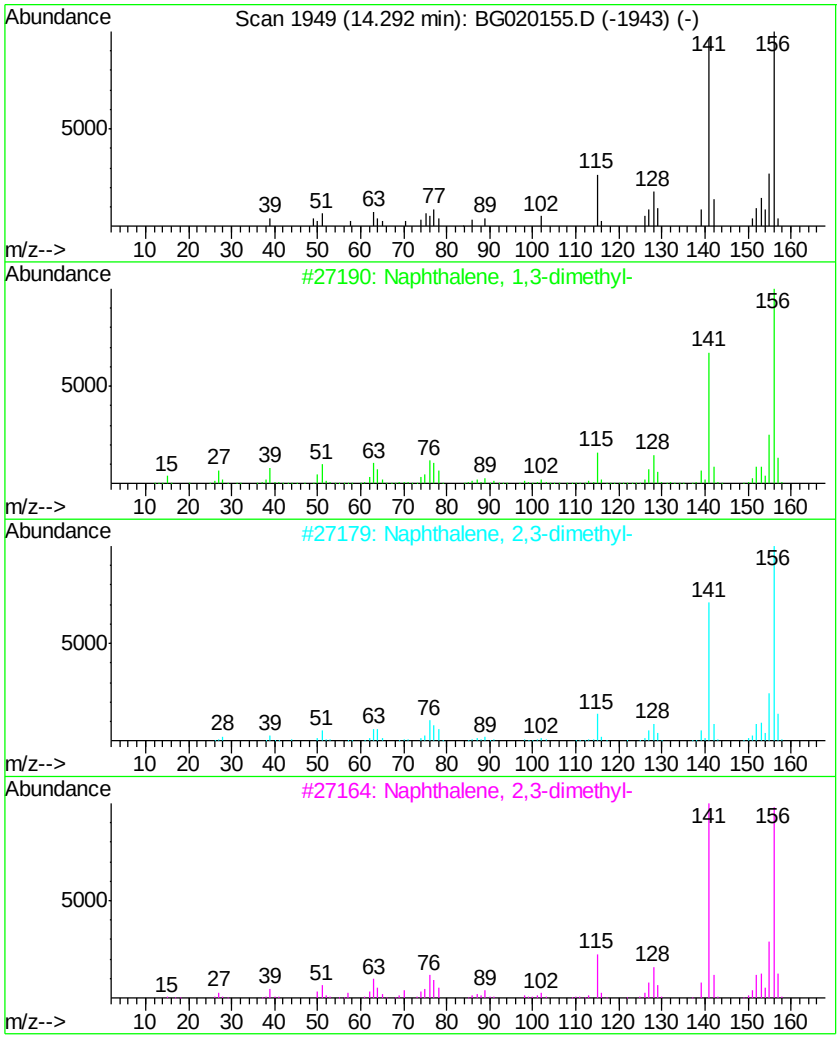
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

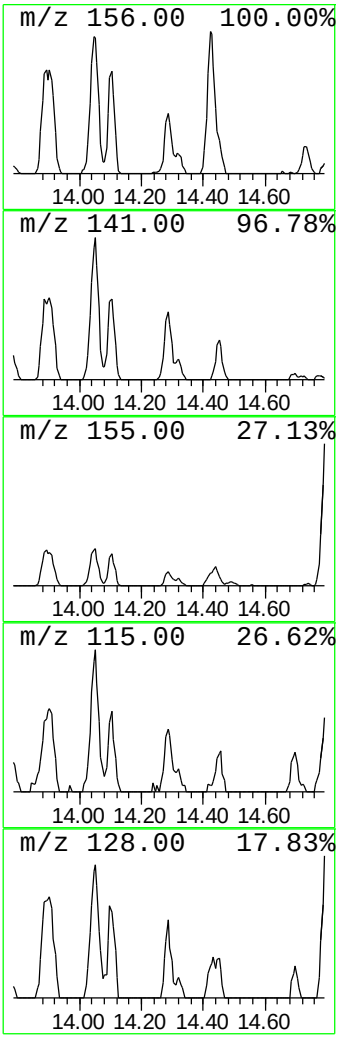
****

Peak Number 7 Naphthalene, 1,3-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	2.54 ng/ul	44457	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020155.D
Acq On : 14 Dec 2015 14:58
Operator : UM/SJ
Sample : G4767-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N28

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

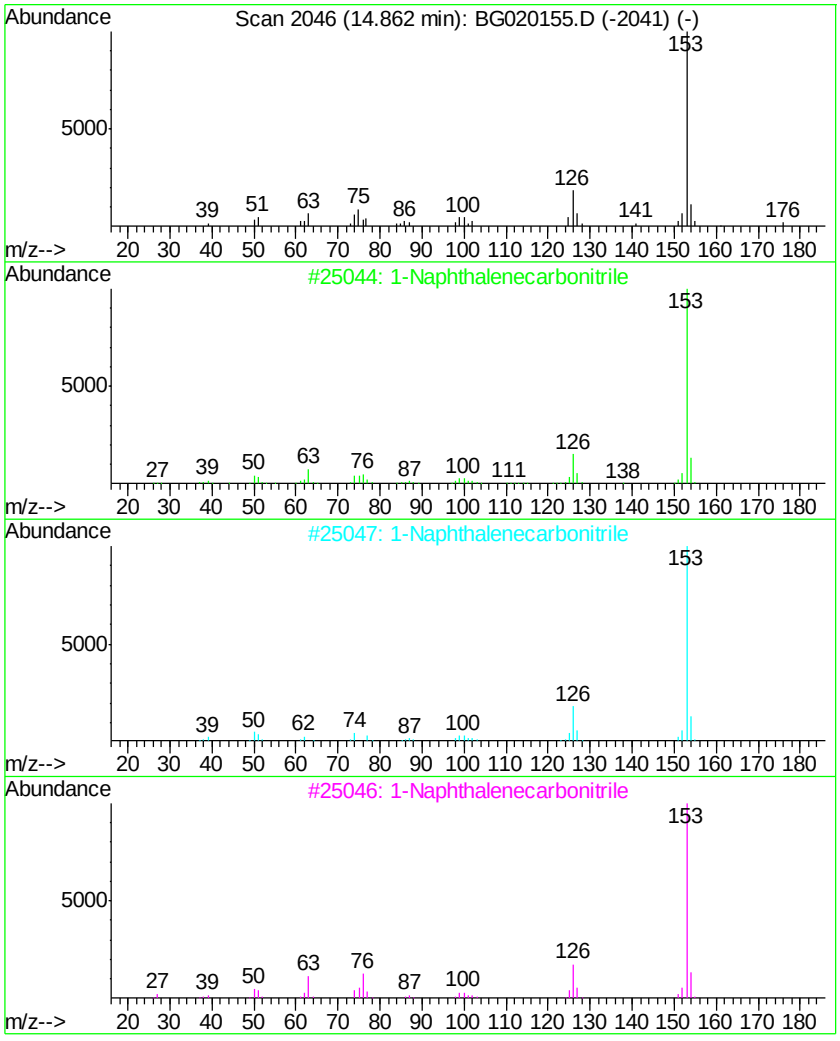
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

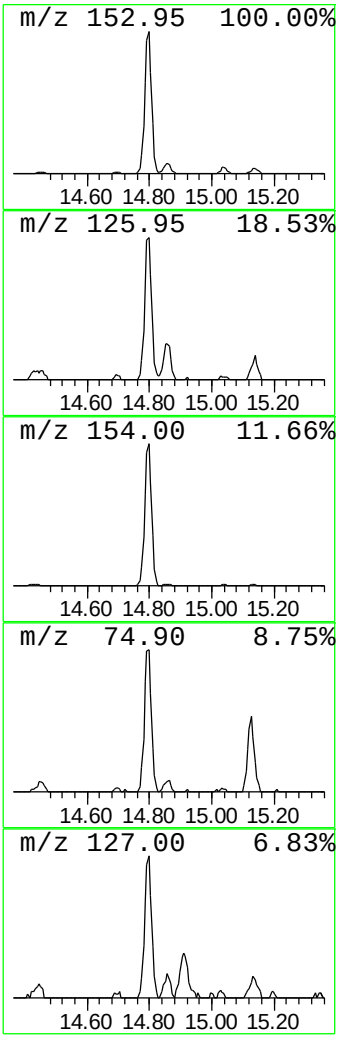
****

Peak Number 8 1-Naphthalenecarbonitrile Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	2.39 ng/ul	41846	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	93
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
3	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
4	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	91
5	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020155.D
Acq On : 14 Dec 2015 14:58
Operator : UM/SJ
Sample : G4767-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N28

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

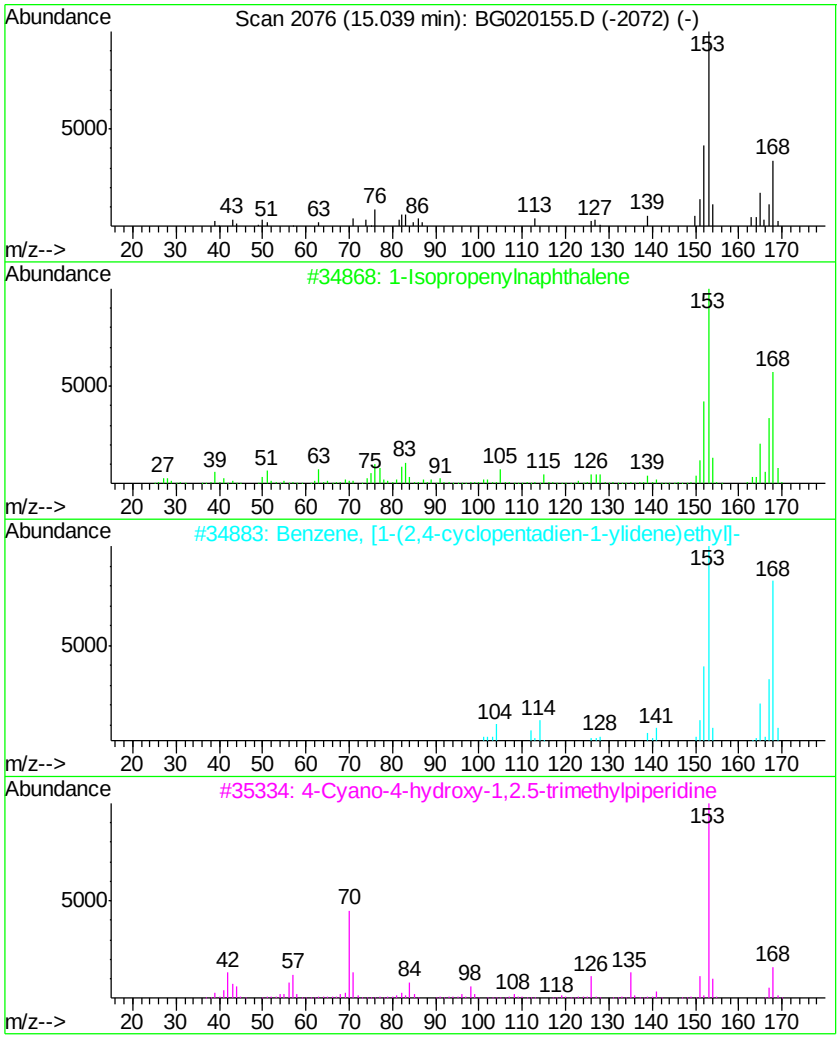
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

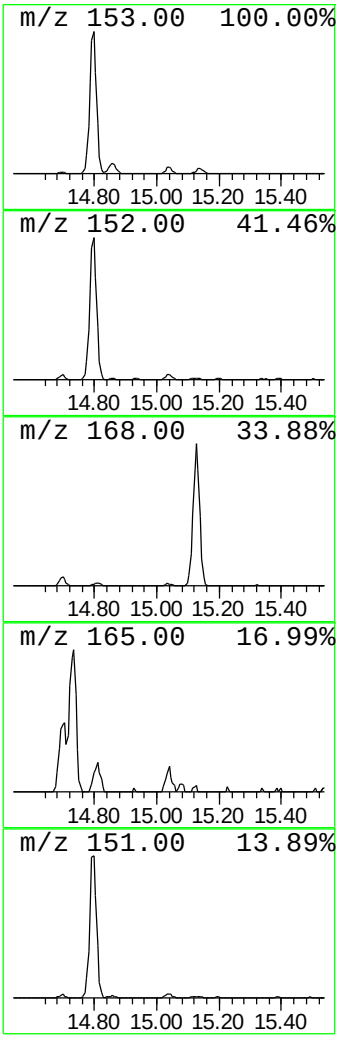
****

Peak Number 9 1-Isopropenylnaphthalene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	2.14 ng/ul	37479	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	87
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	83
3	4-Cyano-4-hydroxy-1,2.5-trimethy...	168	C9H16N2O	051871-79-5	50
4	2-Fluoro-4-methoxyacetophenone	168	C9H9FO2	074457-86-6	46
5	2,4(1H,3H)-Pyrimidinedione, 5-(1...	168	C8H12N2O2	017432-97-2	43





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020155.D
Acq On : 14 Dec 2015 14:58
Operator : UM/SJ
Sample : G4767-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N28

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

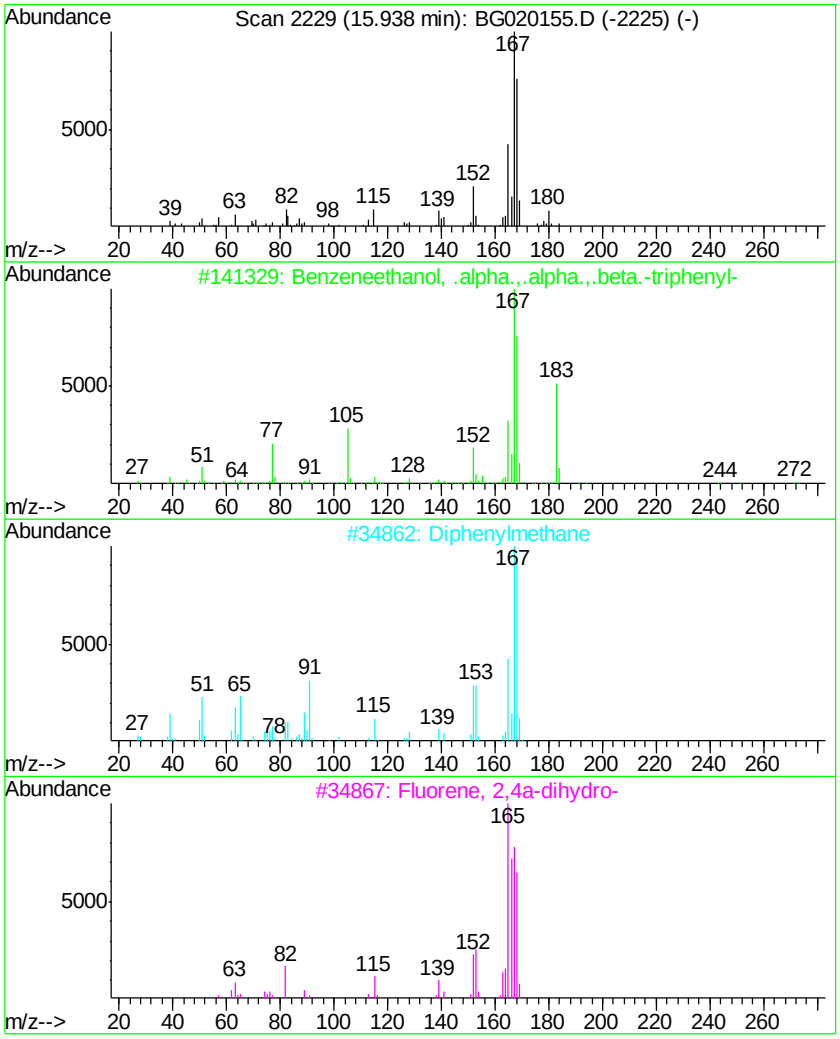
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

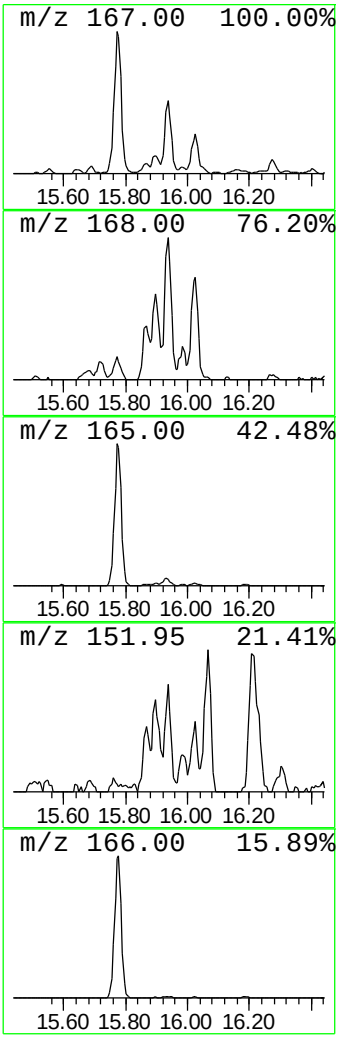
****

Peak Number 11 Benzeneethanol, .alpha.,.al... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	6.99 ng/ul	122363	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	90
2	Diphenylmethane	168	C13H12	000101-81-5	72
3	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	58
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	58
5	2-Propanone, 1,1-diphenyl-	210	C15H14O	000781-35-1	52





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020155.D
Acq On : 14 Dec 2015 14:58
Operator : UM/SJ
Sample : G4767-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N28

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

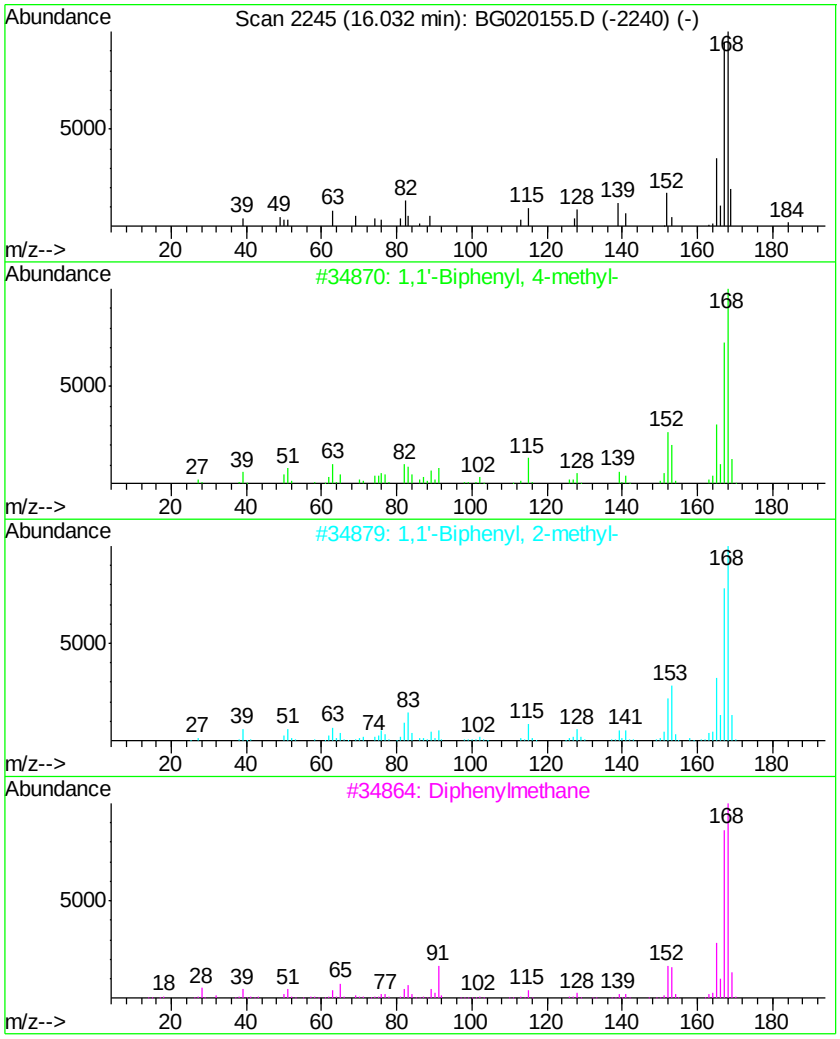
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

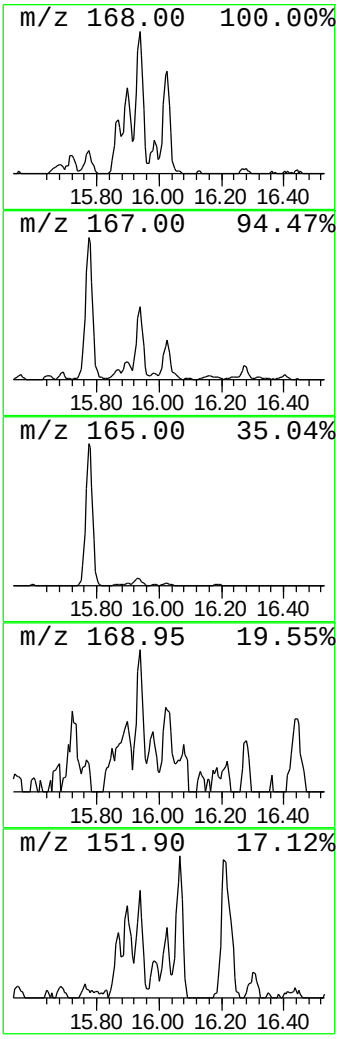
****

Peak Number 12 1,1'-Biphenyl, 4-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	3.27 ng/ul	57301	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	81
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	68
3	Diphenylmethane	168	C13H12	000101-81-5	68
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	68
5	1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020155.D
Acq On : 14 Dec 2015 14:58
Operator : UM/SJ
Sample : G4767-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N28

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

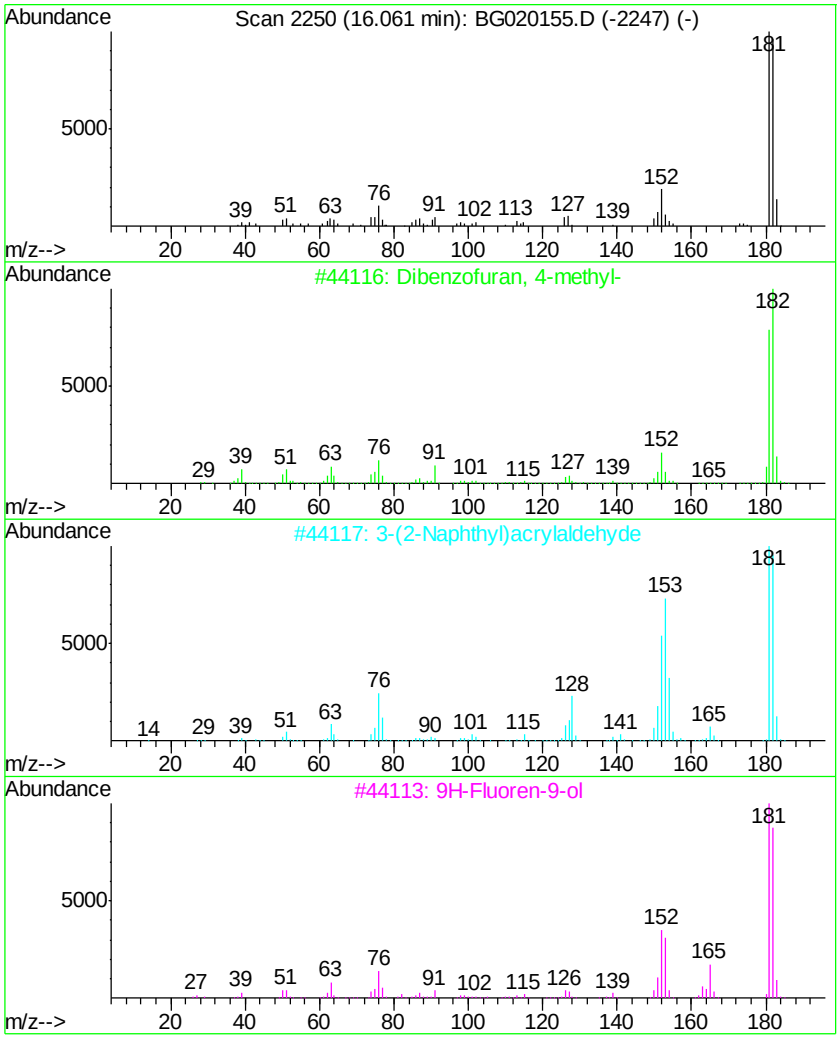
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

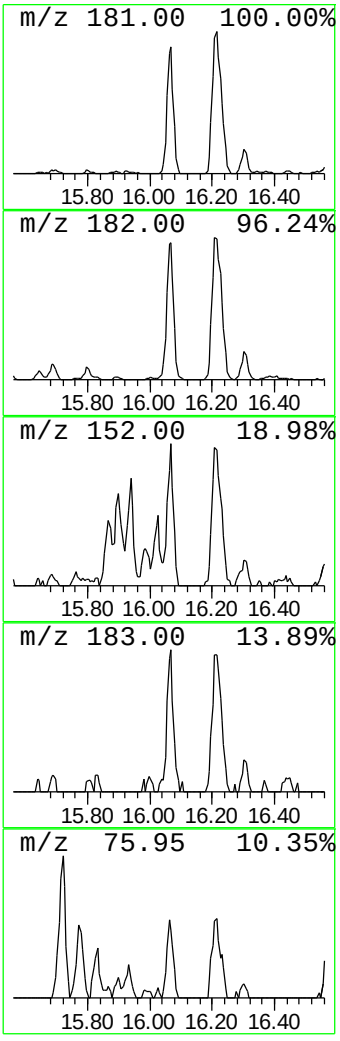
****

Peak Number 13 Dibenzofuran, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	6.27 ng/ul	109723	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	78
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	Pyrido[2,3-d]indole, 6-methyl-	182	C12H10N2	108349-67-3	72





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020155.D
Acq On : 14 Dec 2015 14:58
Operator : UM/SJ
Sample : G4767-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N28

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

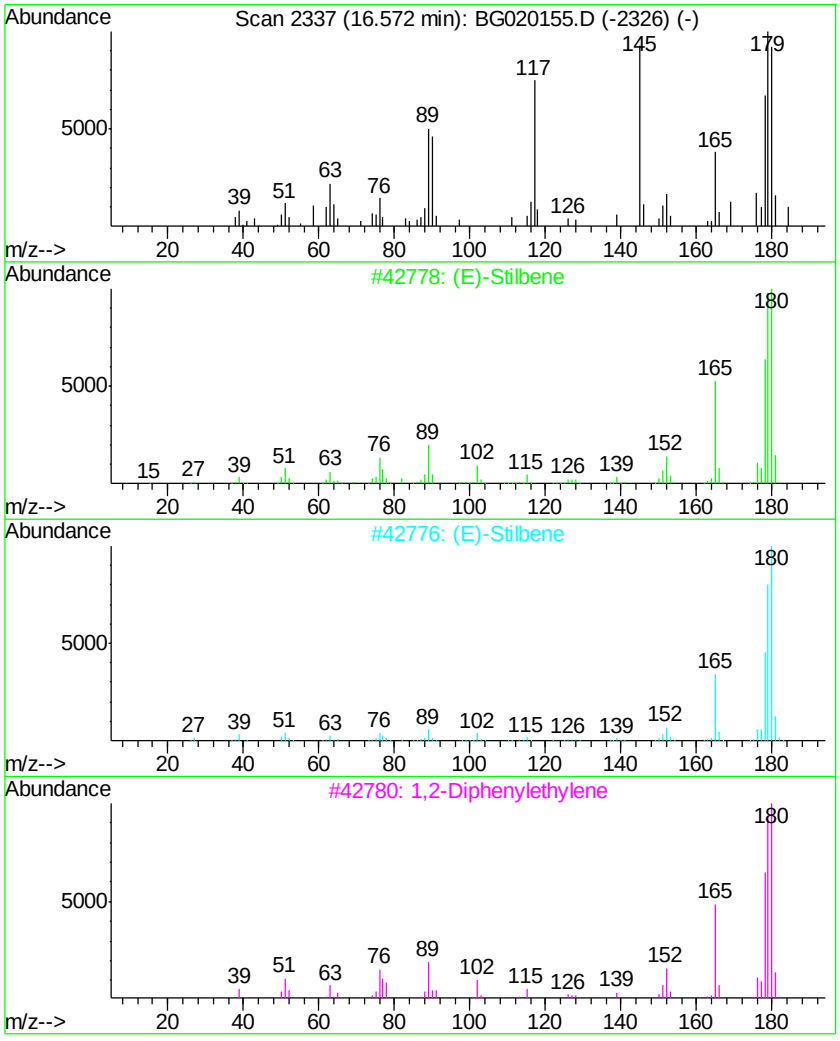
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

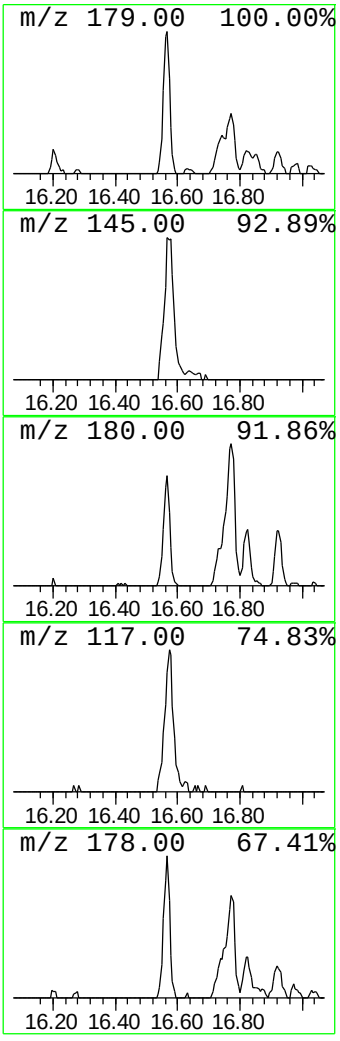
****

Peak Number 15 (E)-Stilbene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.57	4.44 ng/ul	97375	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-Stilbene	180	C14H12	000103-30-0	60
2	(E)-Stilbene	180	C14H12	000103-30-0	55
3	1,2-Diphenylethylene	180	C14H12	000588-59-0	55
4	(E)-Stilbene	180	C14H12	000103-30-0	55
5	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	55





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020155.D
Acq On : 14 Dec 2015 14:58
Operator : UM/SJ
Sample : G4767-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N28

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

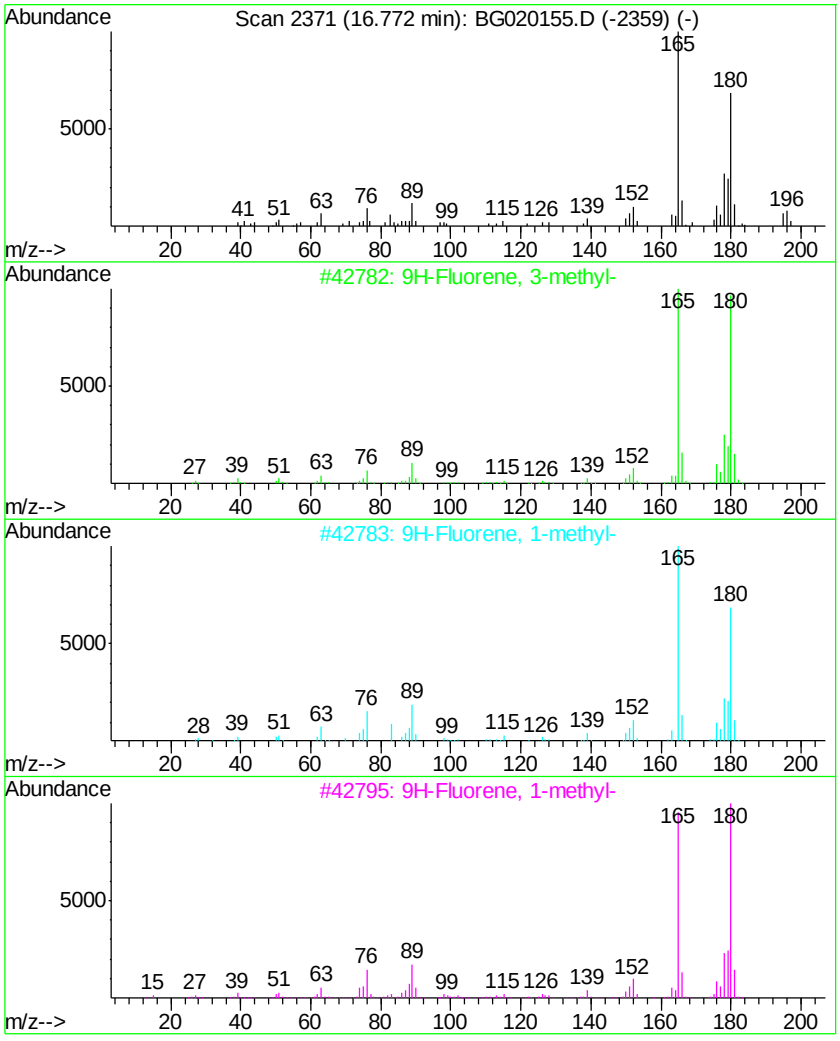
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

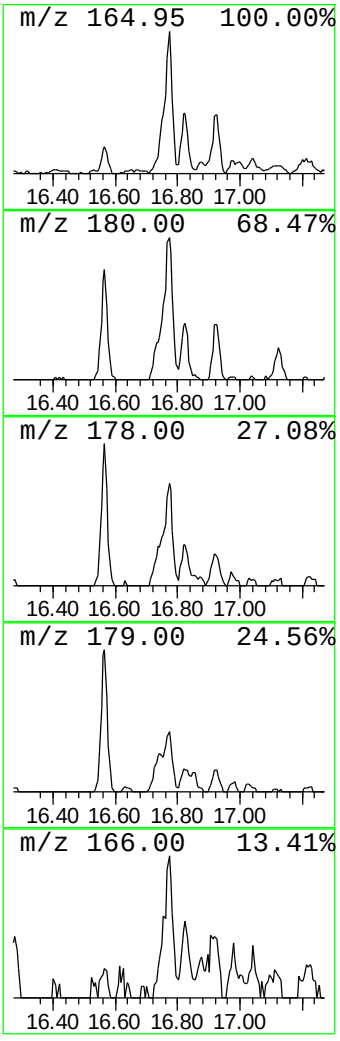
****

Peak Number 16 9H-Fluorene, 3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	5.93 ng/ul	130057	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	94
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020155.D
Acq On : 14 Dec 2015 14:58
Operator : UM/SJ
Sample : G4767-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N28

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

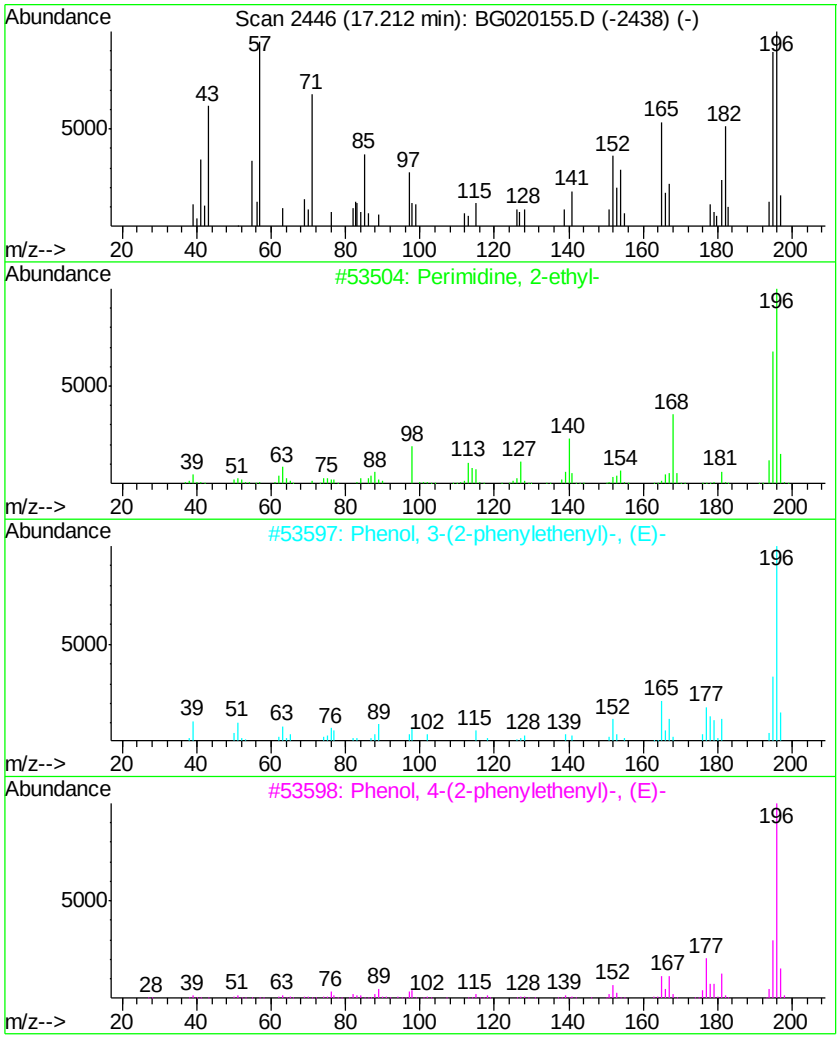
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

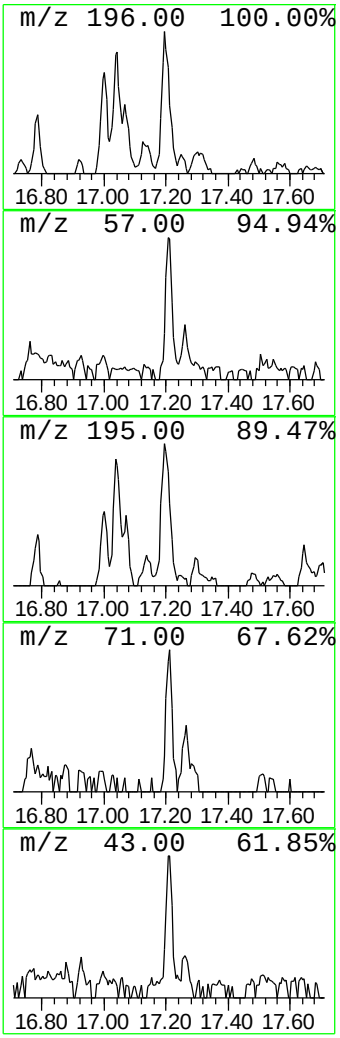
****

Peak Number 17 Perimidine, 2-ethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.21	3.68 ng/ul	80731	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	58
2	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	50
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	38
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	38
5	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	35





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020155.D
Acq On : 14 Dec 2015 14:58
Operator : UM/SJ
Sample : G4767-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N28

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

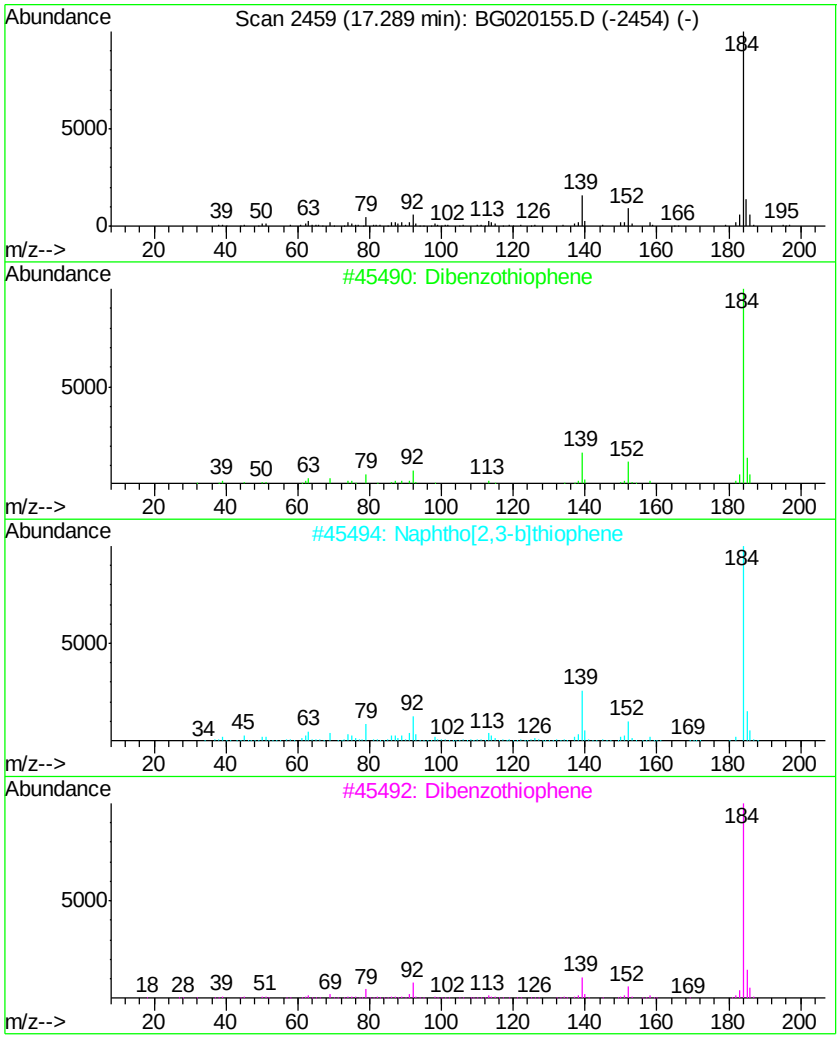
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

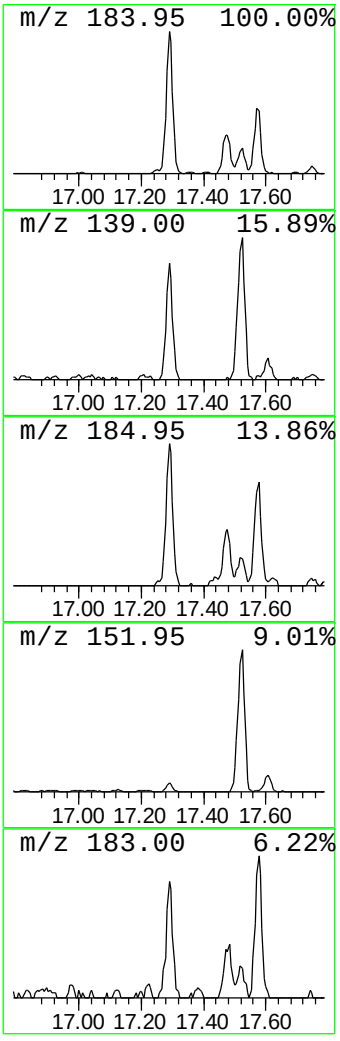
****

Peak Number 18 Dibenzothiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	9.12 ng/ul	200282	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	93
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020155.D
Acq On : 14 Dec 2015 14:58
Operator : UM/SJ
Sample : G4767-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N28

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

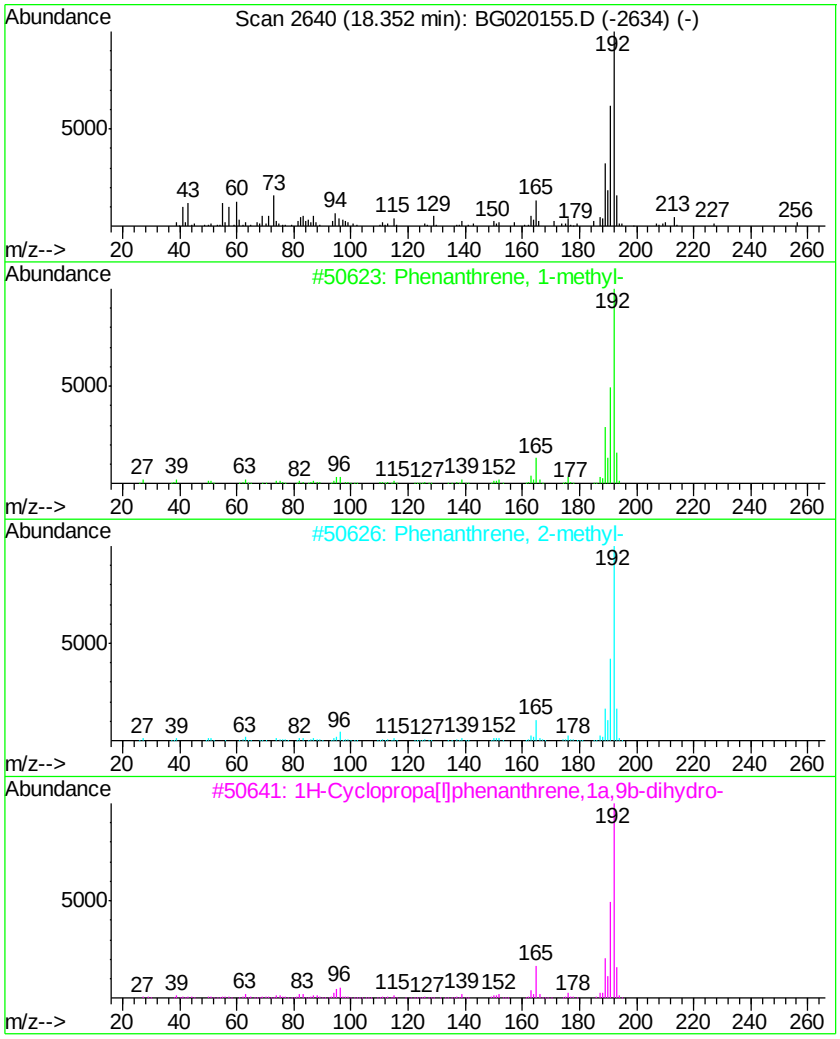
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

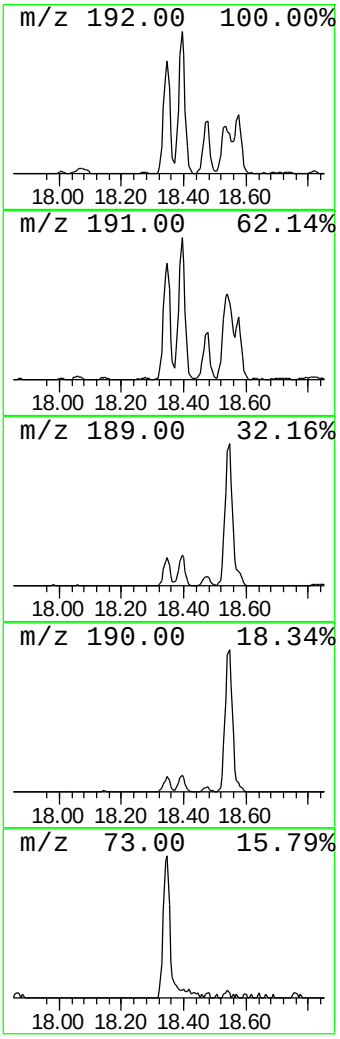
****

Peak Number 19 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	11.40 ng/ul	250283	Phenanthrene-d10	17.47

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	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020155.D
Acq On : 14 Dec 2015 14:58
Operator : UM/SJ
Sample : G4767-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N28

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

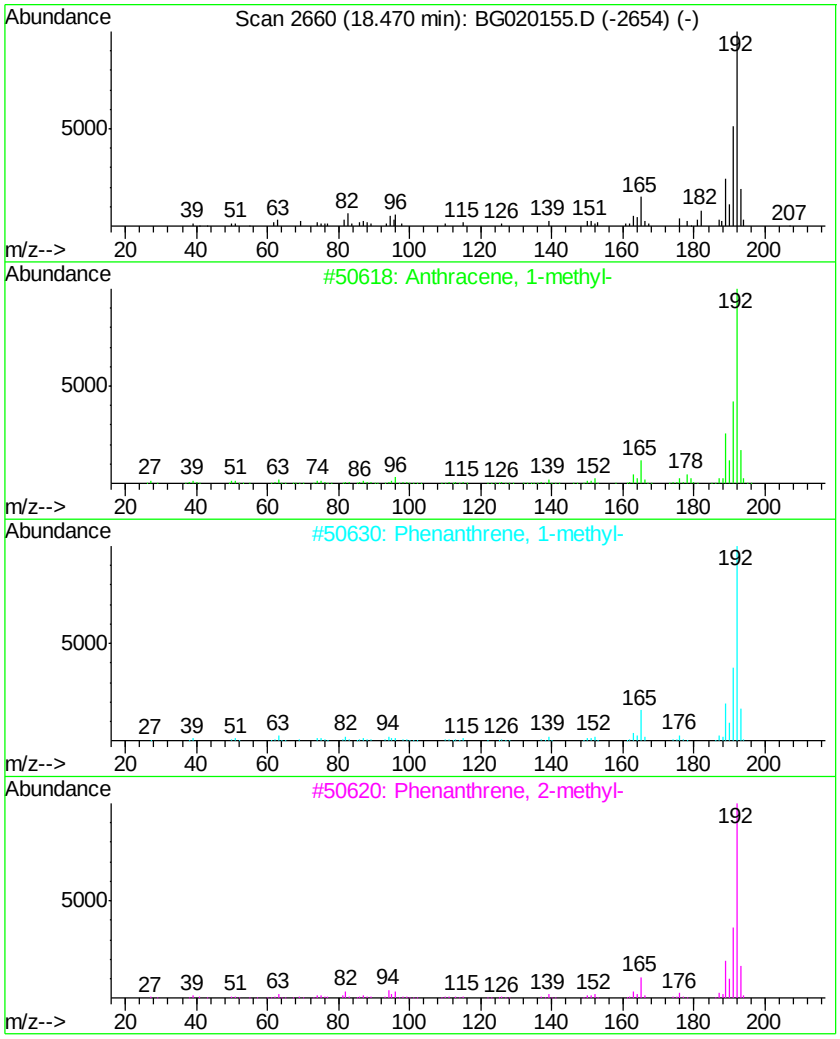
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

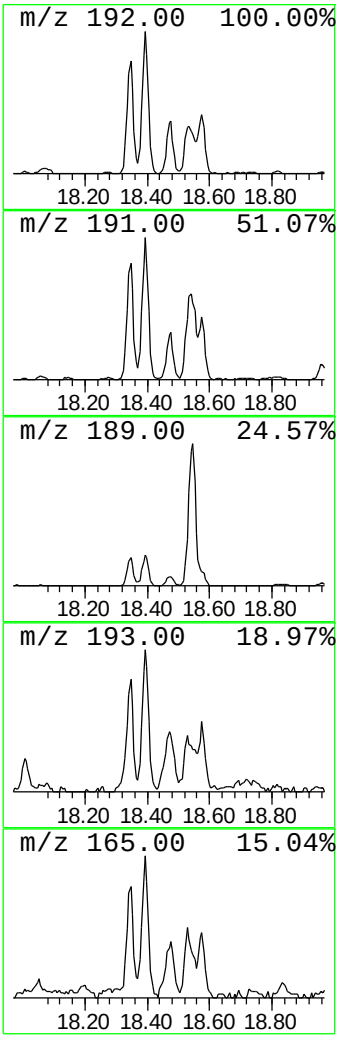
****

Peak Number 21 Anthracene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	3.71 ng/ul	81414	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020155.D
Acq On : 14 Dec 2015 14:58
Operator : UM/SJ
Sample : G4767-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N28

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

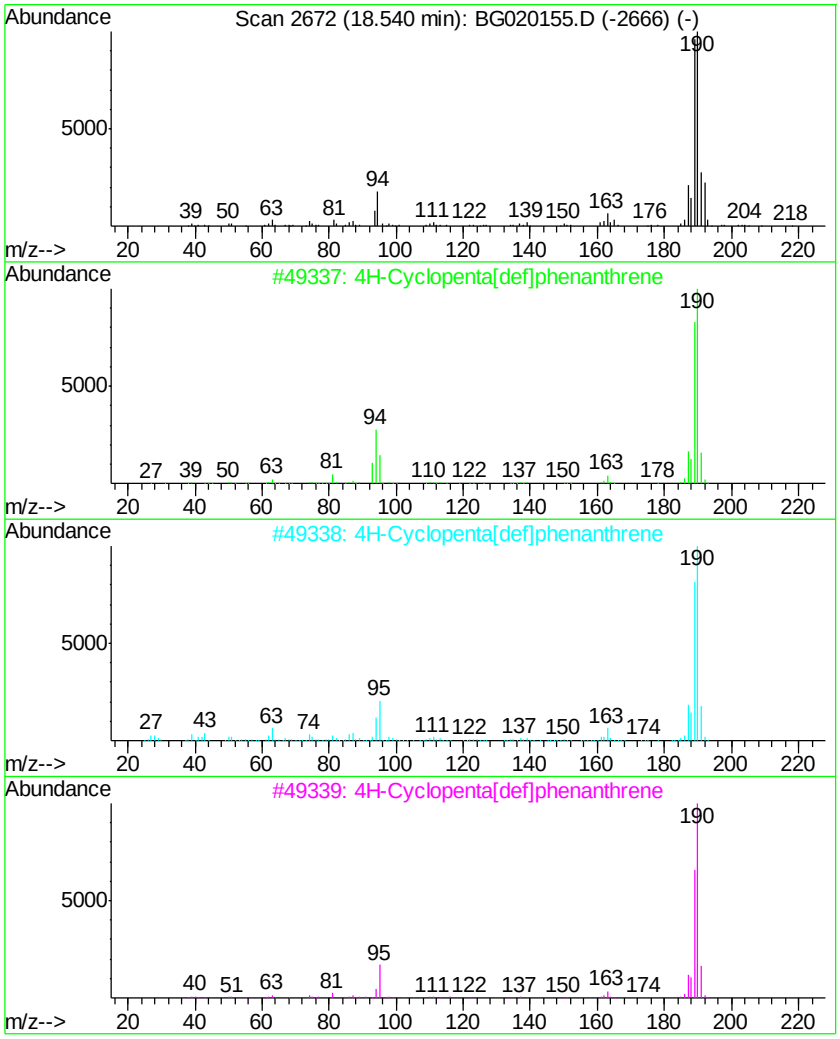
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

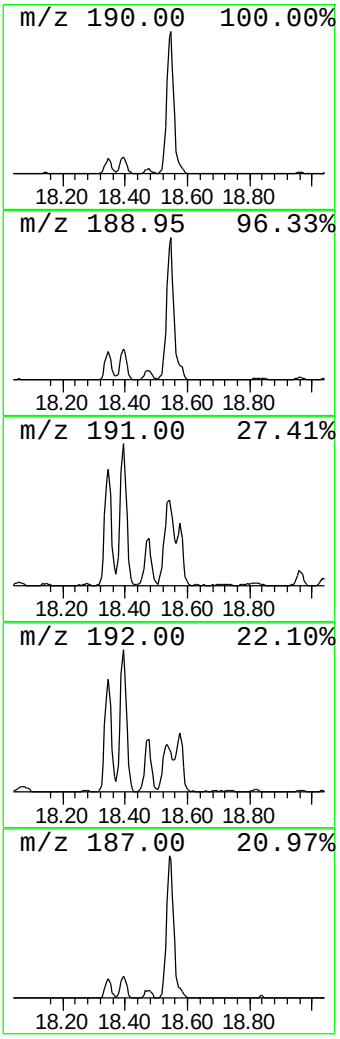
****

Peak Number 22 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	17.26 ng/ul	378810	Phenanthrene-d10	17.47

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	81
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020155.D
Acq On : 14 Dec 2015 14:58
Operator : UM/SJ
Sample : G4767-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N28

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

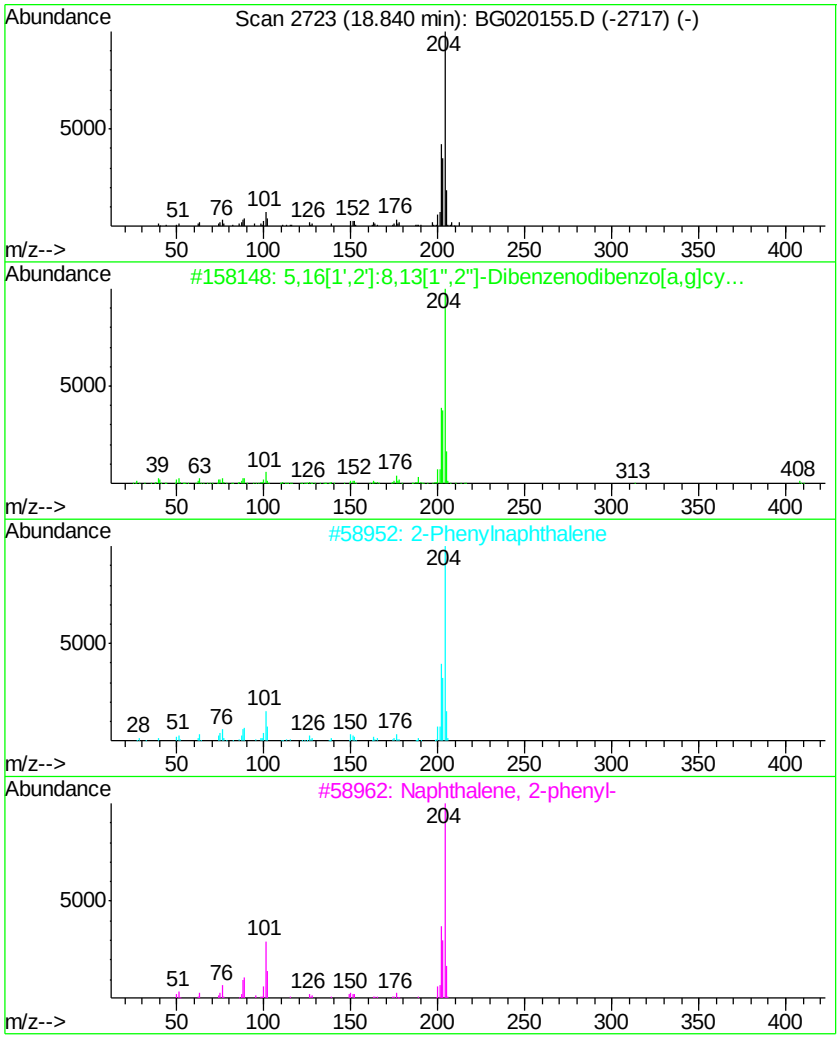
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

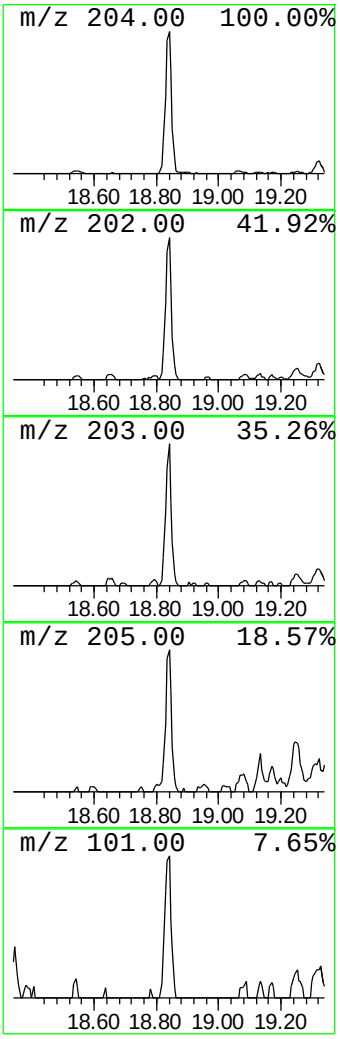
****

Peak Number 23 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	5.79 ng/ul	127159	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020155.D
Acq On : 14 Dec 2015 14:58
Operator : UM/SJ
Sample : G4767-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N28

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

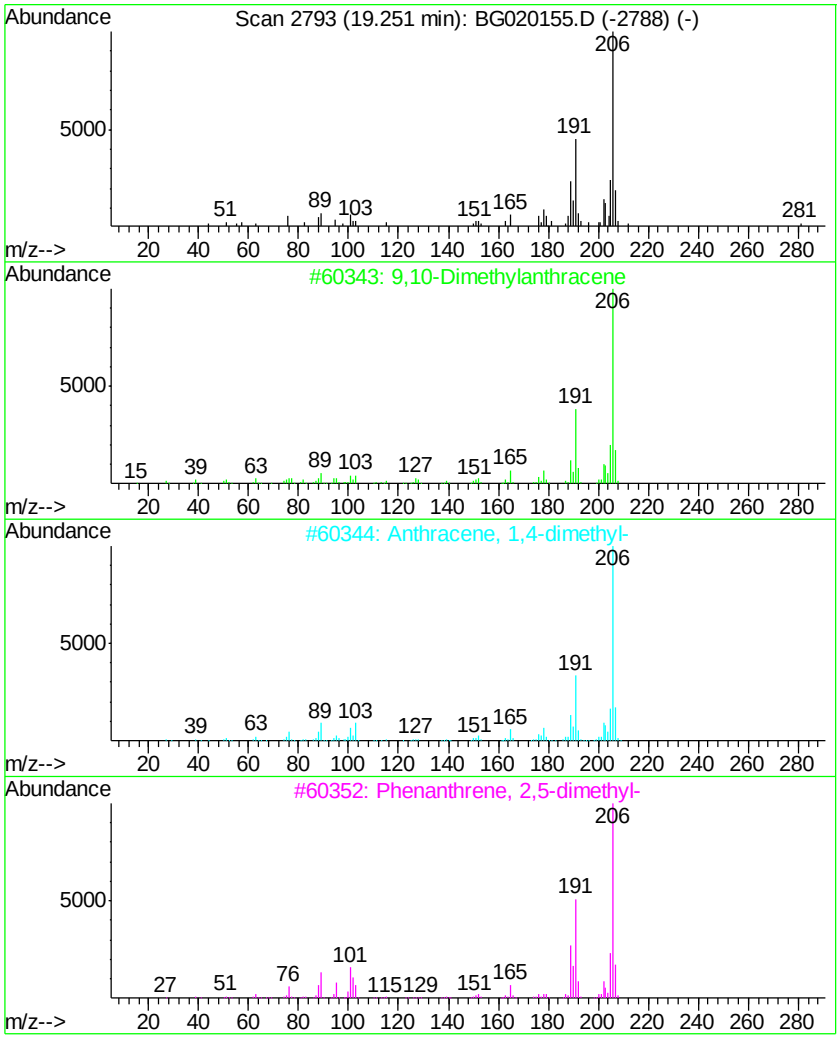
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

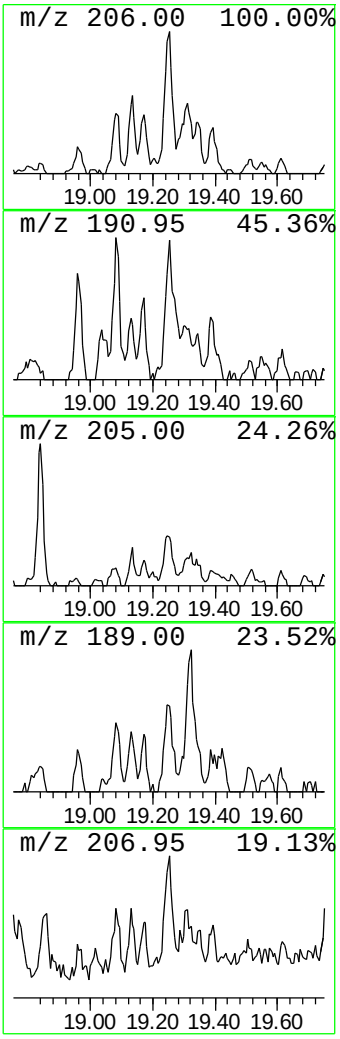
****

Peak Number 24 9,10-Dimethylanthracene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.25	2.44 ng/ul	53636	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020155.D
Acq On : 14 Dec 2015 14:58
Operator : UM/SJ
Sample : G4767-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N28

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

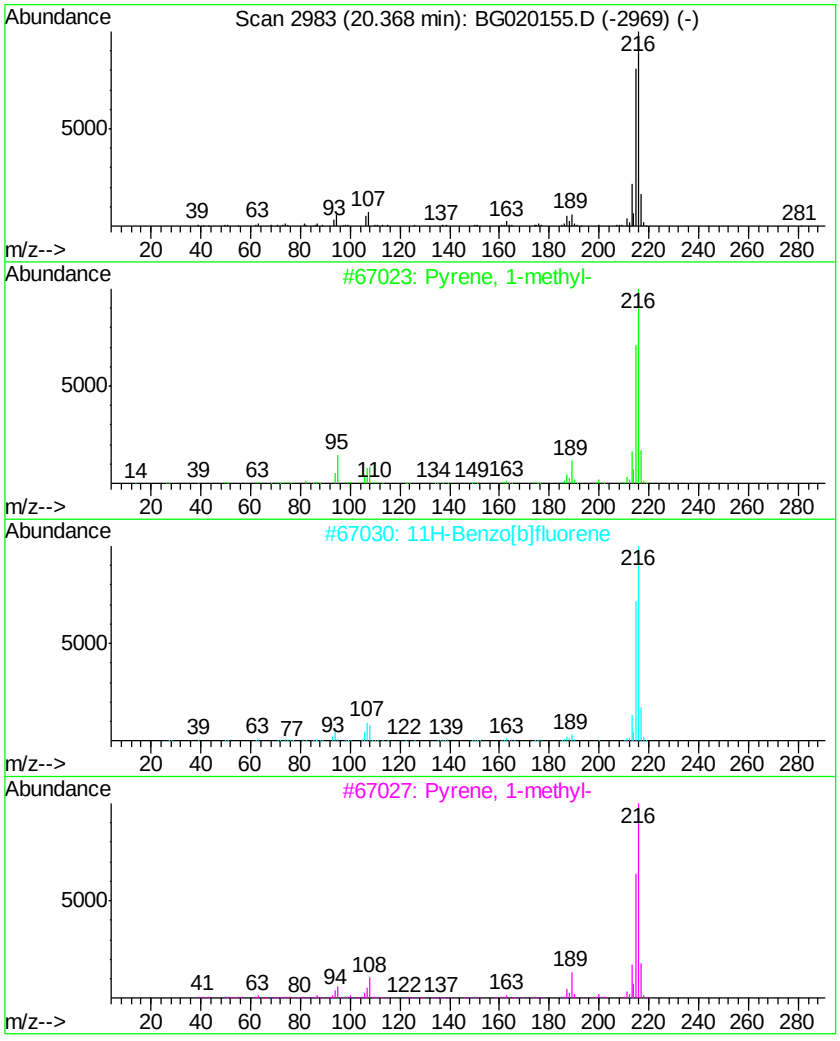
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

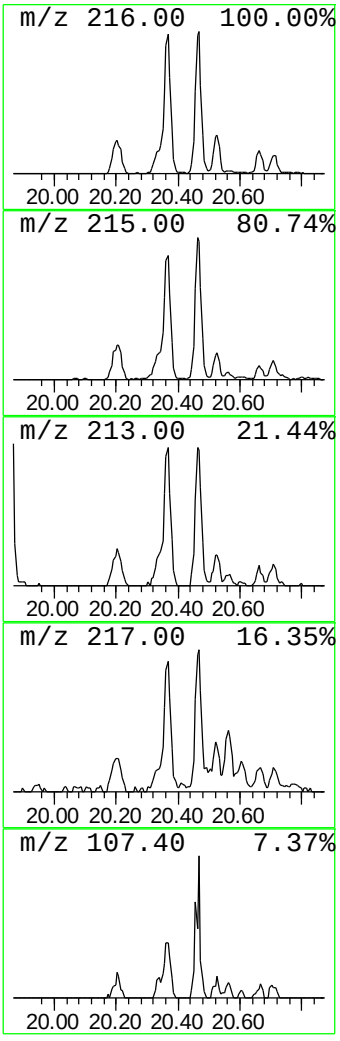
****

Peak Number 25 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.37	4.62 ng/ul	189383	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020155.D
Acq On : 14 Dec 2015 14:58
Operator : UM/SJ
Sample : G4767-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N28

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

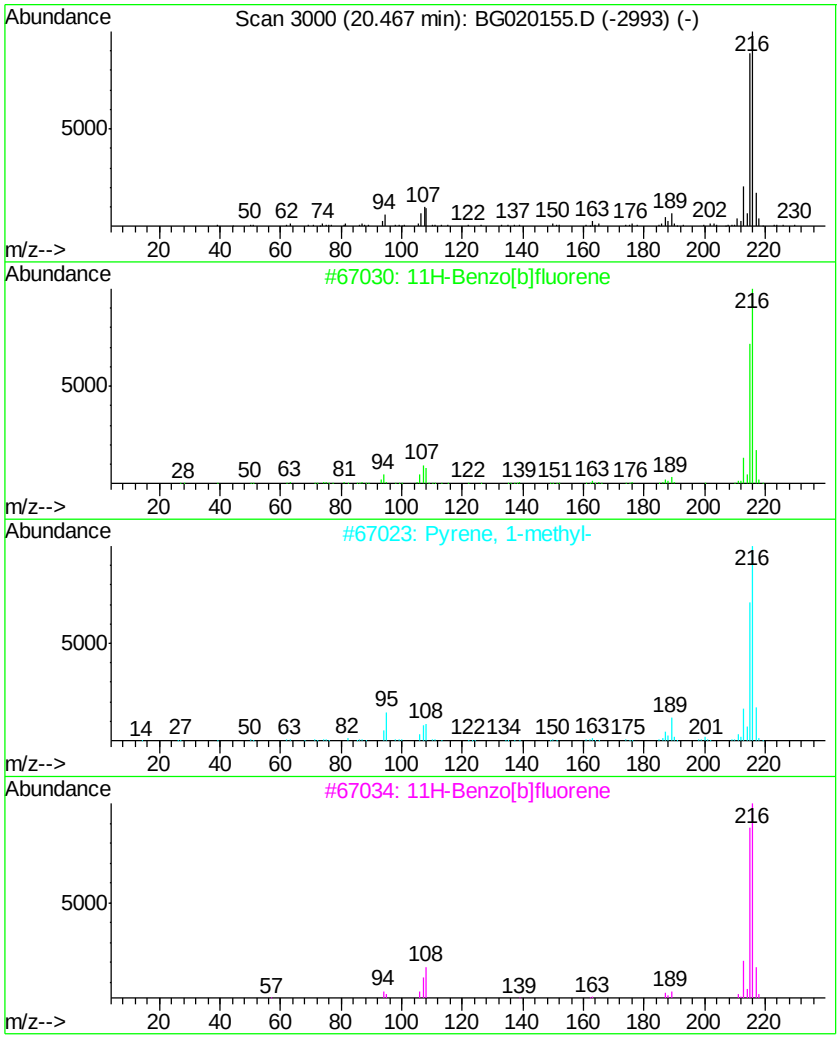
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

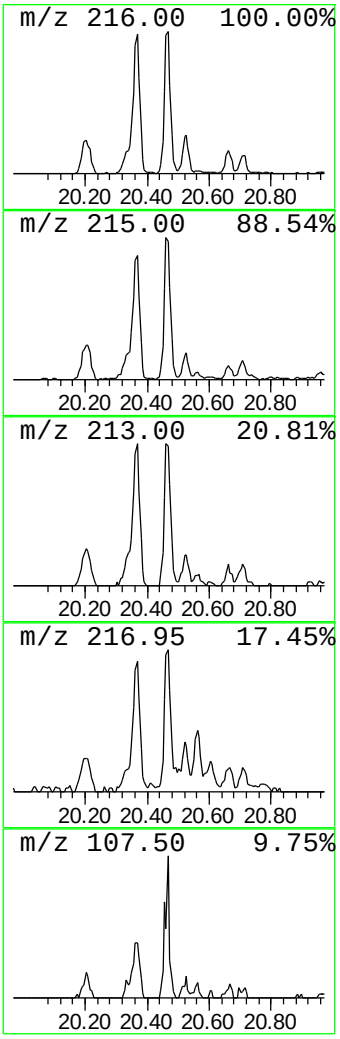
****

Peak Number 26 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.47	4.16 ng/ul	170561	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020155.D
Acq On : 14 Dec 2015 14:58
Operator : UM/SJ
Sample : G4767-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N28

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

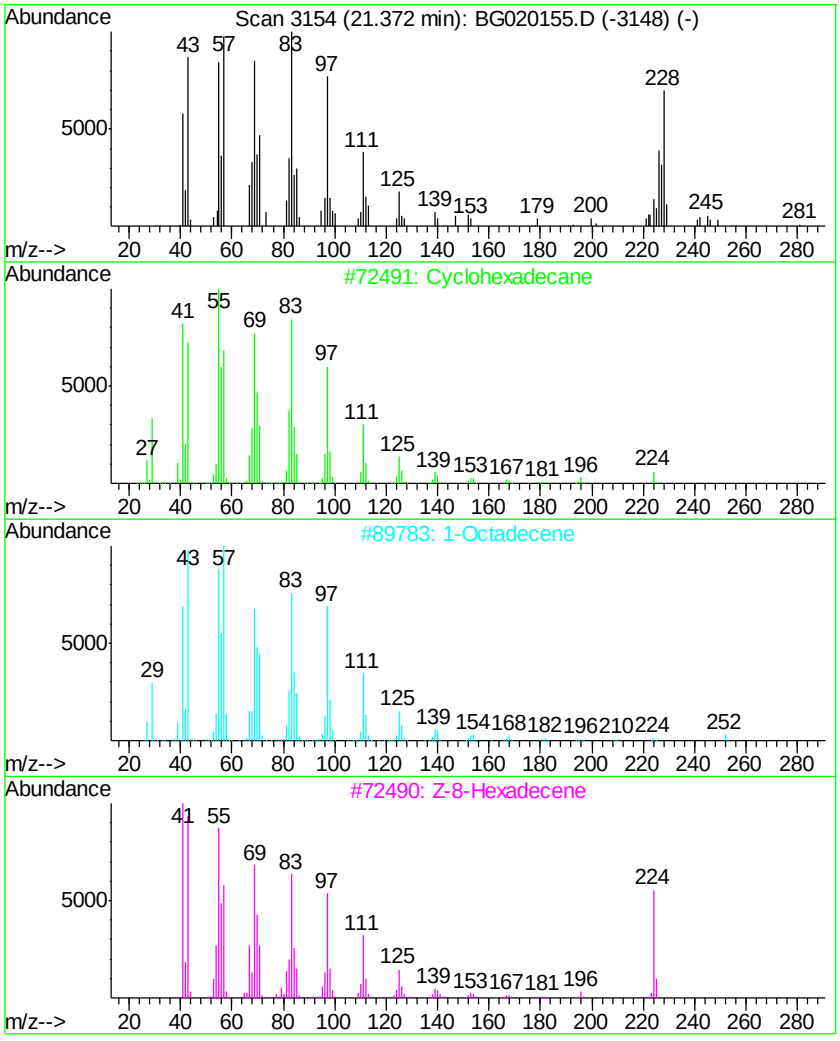
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

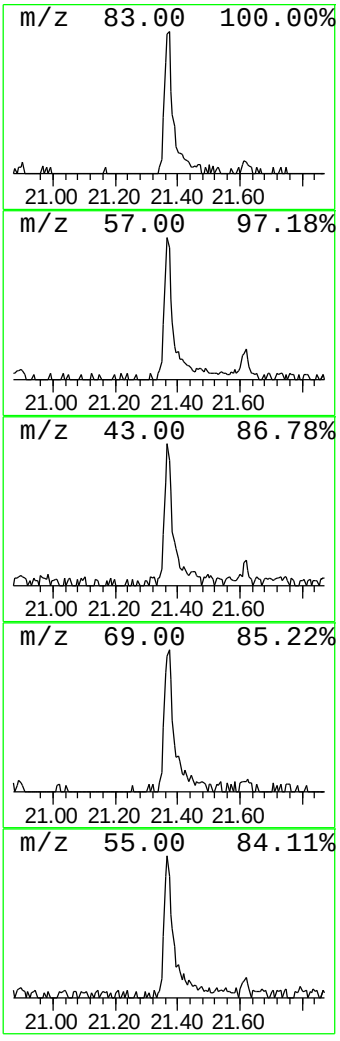
****

Peak Number 27 (DEL) Alkane: Cyclic21.37 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.37	2.91 ng/ul	119237	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	95
2	1-Octadecene	252	C18H36	000112-88-9	95
3	Z-8-Hexadecene	224	C16H32	1000130-87-5	86
4	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	81
5	1-Nonadecanol	284	C19H40O	001454-84-8	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121515\
Data File : BG020155.D
Acq On : 14 Dec 2015 14:58
Operator : UM/SJ
Sample : G4767-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9N28

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.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
Indene	8.64	8.7	ng/ul	59415	1	8.10	136043	20.0
unknown-01	12.68	2.2	ng/ul	23739	2	10.92	216420	20.0
Naphthalene, 1-et...	13.76	4.0	ng/ul	70380	3	14.73	350225	20.0
Naphthalene, 2,6-...	13.89	4.2	ng/ul	72655	3	14.73	350225	20.0
Naphthalene, 2,3-...	14.05	7.4	ng/ul	129333	3	14.73	350225	20.0
Naphthalene, 1,3-...	14.29	2.5	ng/ul	44457	3	14.73	350225	20.0
1-Naphthalenecarb...	14.86	2.4	ng/ul	41846	3	14.73	350225	20.0
1-Isopropenylnaph...	15.04	2.1	ng/ul	37479	3	14.73	350225	20.0
Benzeneethanol, ...	15.94	7.0	ng/ul	122363	3	14.73	350225	20.0
1,1'-Biphenyl, 4-...	16.03	3.3	ng/ul	57301	3	14.73	350225	20.0
Dibenzofuran, 4-m...	16.06	6.3	ng/ul	109723	3	14.73	350225	20.0
(E)-Stilbene	16.57	4.4	ng/ul	97375	4	17.47	439009	20.0
9H-Fluorene, 3-me...	16.77	5.9	ng/ul	130057	4	17.47	439009	20.0
Perimidine, 2-ethyl-	17.21	3.7	ng/ul	80731	4	17.47	439009	20.0
Dibenzothiophene	17.29	9.1	ng/ul	200282	4	17.47	439009	20.0
Phenanthrene, 1-m...	18.35	11.4	ng/ul	250283	4	17.47	439009	20.0
Anthracene, 1-met...	18.47	3.7	ng/ul	81414	4	17.47	439009	20.0
4H-Cyclopenta[def...	18.54	17.3	ng/ul	378810	4	17.47	439009	20.0
5,16[1',2']:8,13[...	18.84	5.8	ng/ul	127159	4	17.47	439009	20.0
9,10-Dimethylanth...	19.25	2.4	ng/ul	53636	4	17.47	439009	20.0
Pyrene, 1-methyl-	20.37	4.6	ng/ul	189383	5	21.74	819488	20.0
11H-Benzo[b]fluorene	20.47	4.2	ng/ul	170561	5	21.74	819488	20.0
(DEL) Alkane: Cyc...	21.37	2.9	ng/ul	119237	5	21.74	819488	20.0