LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042206.D
Acq On : 14 Aug 2019 11:54
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P3

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:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.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	3.140	5	9	30	rVB	1850057	3012972	83.84%	5.039%
2	4.169	179	184	192	rVV	63166	100849	2.81%	0.169%
3	7.183	687	697	712	rBV	248344	485846	13.52%	0.812%
4	7.341	716	724	735	rBV	188394	326101	9.07%	0.545%
5	7.553	750	760	770	rBV	275103	498502	13.87%	0.834%
6	8.023	830	840	848	rBV	260016	458965	12.77%	0.768%
7	8.734	953	961	972	rBV	340990	614490	17.10%	1.028%
8	9.192	1031	1039	1049	rBV	255217	462241	12.86%	0.773%
9	9.921	1156	1163	1175	rBV	227167	418486	11.64%	0.700%
10	10.467	1248	1256	1278	rBV	369538	713248	19.85%	1.193%
11	10.849	1311	1321	1327	rBV	392925	704443	19.60%	1.178%
12	10.896	1327	1329	1336	rVV	52882	81602	2.27%	0.136%
13	10.978	1336	1343	1363	rVB	316019	646418	17.99%	1.081%
14	12.512	1598	1604	1614	rVB	56034	94937	2.64%	0.159%
15	12.729	1634	1641	1650	rVB2	48072	82813	2.30%	0.138%
16	13.863	1823	1834	1842	rBV5	31556	86076	2.40%	0.144%
17	14.010	1853	1859	1863	rBV	61363	105132	2.93%	0.176%
18	14.080	1863	1871	1877	rVV	686652	1130187	31.45%	1.890%
19	14.127	1877	1879	1884	rVV	65367	85013	2.37%	0.142%
20	14.380	1914	1922	1939	rBV	828055	1484566	41.31%	2.483%
21	14.686	1964	1974	1980	rBV	633835	1049843	29.21%	1.756%
22	14.750	1980	1985	1993	rVB	102132	174246	4.85%	0.291%
23	14.879	2001	2007	2020	rBV	214207	434563	12.09%	0.727%
24	15.085	2036	2042	2049	rVV	141890	245612	6.83%	0.411%
25	15.479	2100	2109	2112	rBV4	28822	62549	1.74%	0.105%
26	15.679	2135	2143	2148	rVV	1152331	1754724	48.83%	2.934%
27	15.731	2148	2152	2159	rVV	193029	313725	8.73%	0.525%
28	15.802	2159	2164	2171	rVV	224369	385089	10.72%	0.644%
29	15.908	2177	2182	2186	rVV4	30427	74034	2.06%	0.124%
30	16.031	2198	2203	2211	rVB	83086	147351	4.10%	0.246%
31	16.172	2219	2227	2235	rBV	88102	201065	5.59%	0.336%
32	16.395	2258	2265	2274	rBV6	42482	113489	3.16%	0.190%
33	16.742	2315	2324	2329	rBV3	55997	121086	3.37%	0.202%
34	16.789	2329	2332	2337	rVB3	35031	55509	1.54%	0.093%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042206.D
Acq On : 14 Aug 2019 11:54
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P3

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:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Title : SVOA CALIBRATION

35	16.971	2354	2363	2366	rBV4	52393	101664	2.83%	0.170%
36	17.089	2378	2383	2390	rVB	170812	280124	7.79%	0.468%
37	17.171	2390	2397	2398	rBV2	51782	75329	2.10%	0.126%
38	17.253	2406	2411	2423	rVB	131268	219368	6.10%	0.367%
39	17.441	2431	2443	2446	rBV	737473	1223343	34.04%	2.046%
40	17.482	2446	2450	2455	rVV	2099360	3091942	86.03%	5.171%
41	17.535	2455	2459	2464	rVV2	1089186	1817807	50.58%	3.040%
42	17.570	2464	2465	2470	rVB	283878	270152	7.52%	0.452%
43	17.841	2505	2511	2515	rBV	164926	262122	7.29%	0.438%
44	17.958	2524	2531	2536	rVB2	49930	88191	2.45%	0.147%
45	18.023	2537	2542	2551	rVB2	86921	146050	4.06%	0.244%
46	18.158	2562	2565	2572	rVB	32190	62561	1.74%	0.105%
47	18.317	2586	2592	2596	rBV	350298	518376	14.42%	0.867%
48	18.364	2596	2600	2609	rVB	453018	673009	18.73%	1.125%
49	18.446	2609	2614	2619	rBV	88067	140800	3.92%	0.235%
50	18.511	2619	2625	2629	rBV2	360564	696470	19.38%	1.165%
51	18.546	2629	2631	2638	rVB	246168	300690	8.37%	0.503%
52	18.622	2638	2644	2647	rBV3	44752	77579	2.16%	0.130%
53	18.657	2647	2650	2655	rVB3	37774	54965	1.53%	0.092%
54	18.810	2671	2676	2680	rVV	241187	346641	9.65%	0.580%
55	18.851	2680	2683	2692	rVB2	126694	208367	5.80%	0.348%
56	19.057	2709	2718	2723	rBV3	127064	231429	6.44%	0.387%
57	19.110	2723	2727	2730	rVV	90449	120418	3.35%	0.201%
58	19.145	2730	2733	2737	rVB	66635	84158	2.34%	0.141%
59	19.227	2742	2747	2752	rBV	176636	305479	8.50%	0.511%
60	19.292	2753	2758	2760	rVV3	76735	150459	4.19%	0.252%
61	19.321	2760	2763	2767	rVB2	94587	121739	3.39%	0.204%
62	19.368	2767	2771	2780	rBV	178495	296928	8.26%	0.497%
63	19.498	2785	2793	2799	rBV	2425078	3593856	100.00%	6.010%
64	19.550	2799	2802	2806	rBV2	72348	96994	2.70%	0.162%
65	19.592	2806	2809	2813	rVB	62753	80877	2.25%	0.135%
66	19.639	2813	2817	2820	rBV	76325	103474	2.88%	0.173%
67	19.733	2829	2833	2838	rBV	92777	136572	3.80%	0.228%
68	19.827	2842	2849	2852	rBV2	1802546	3099444	86.24%	5.183%
69	19.856	2852	2854	2861	rVB	2079641	2581204	71.82%	4.317%
70	19.927	2861	2866	2873	rBV2	139222	248050	6.90%	0.415%
71	20.032	2879	2884	2890	rVB	141397	226450	6.30%	0.379%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042206.D
Acq On : 14 Aug 2019 11:54
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P3

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:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Title : SVOA CALIBRATION

72	20.185	2902	2910	2915	rBV4	198263	535900	14.91%	0.896%
73	20.267	2920	2924	2927	rVV	118728	151014	4.20%	0.253%
74	20.308	2927	2931	2932	rVV2	134782	170533	4.75%	0.285%
75	20.344	2934	2937	2943	rVB	324638	487641	13.57%	0.816%
76	20.444	2950	2954	2958	rBV	164599	211932	5.90%	0.354%
77	20.502	2958	2964	2969	rVV2	240041	415466	11.56%	0.695%
78	20.579	2975	2977	2983	rVB3	55080	76980	2.14%	0.129%
79	20.643	2984	2988	2991	rBV	147245	200943	5.59%	0.336%
80	20.690	2992	2996	3000	rVB	143081	193007	5.37%	0.323%
81	20.796	3010	3014	3019	rVB4	117675	182285	5.07%	0.305%
82	21.107	3063	3067	3074	rVB	291247	443725	12.35%	0.742%
83	21.178	3074	3079	3083	rBV	282998	384264	10.69%	0.643%
84	21.296	3092	3099	3103	rBV3	207824	438947	12.21%	0.734%
85	21.343	3103	3107	3108	rBV	148219	185018	5.15%	0.309%
86	21.448	3120	3125	3133	rVB2	252021	493105	13.72%	0.825%
87	21.607	3148	3152	3160	rVB	327870	486499	13.54%	0.814%
88	21.707	3162	3169	3176	rVV3	1307947	3498269	97.34%	5.850%
89	21.771	3176	3180	3193	rVB	1045576	1795189	49.95%	3.002%
90	21.924	3202	3206	3212	rBV	134838	205774	5.73%	0.344%
91	22.130	3237	3241	3249	rBV2	118461	219299	6.10%	0.367%
92	22.465	3294	3298	3304	rVB	184443	322128	8.96%	0.539%
93	22.541	3306	3311	3317	rVB3	180701	330662	9.20%	0.553%
94	23.957	3544	3552	3560	rBV	694971	2338198	65.06%	3.910%
95	24.692	3670	3677	3684	rBV	342066	938418	26.11%	1.569%
96	24.774	3684	3691	3697	rVV	728256	1885283	52.46%	3.153%
97	24.844	3698	3703	3716	rVB	561554	1480986	41.21%	2.477%
98	24.997	3720	3729	3736	rBV	491270	1450943	40.37%	2.426%
99	26.207	3930	3935	3946	rVB4	121291	354198	9.86%	0.592%
100	28.734	4355	4365	4385	rVB4	199863	1061062	29.52%	1.774%

Sum of corrected areas: 59796521

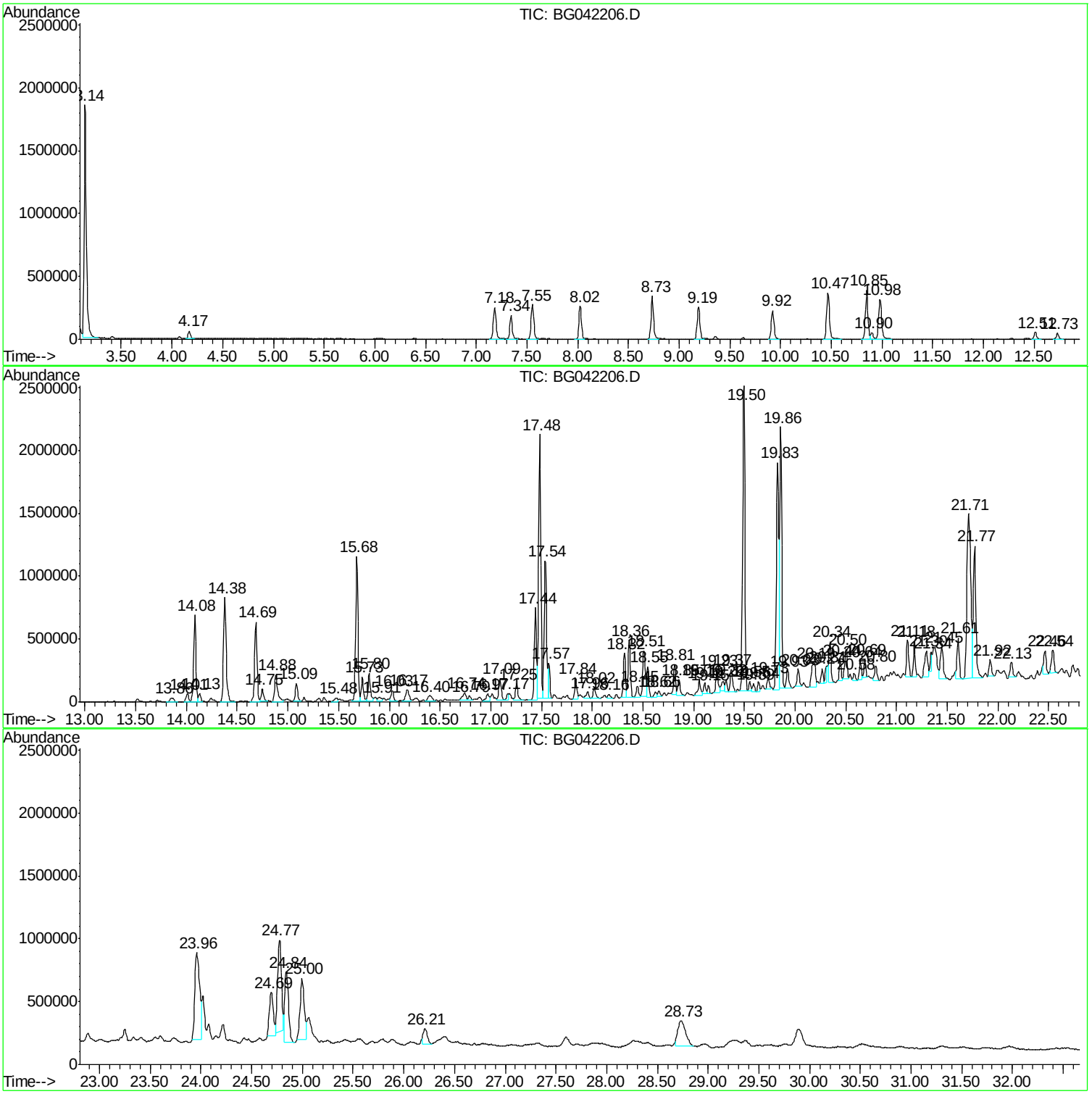
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042206.D
Acq On : 14 Aug 2019 11:54
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042206.D
Acq On : 14 Aug 2019 11:54
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P3

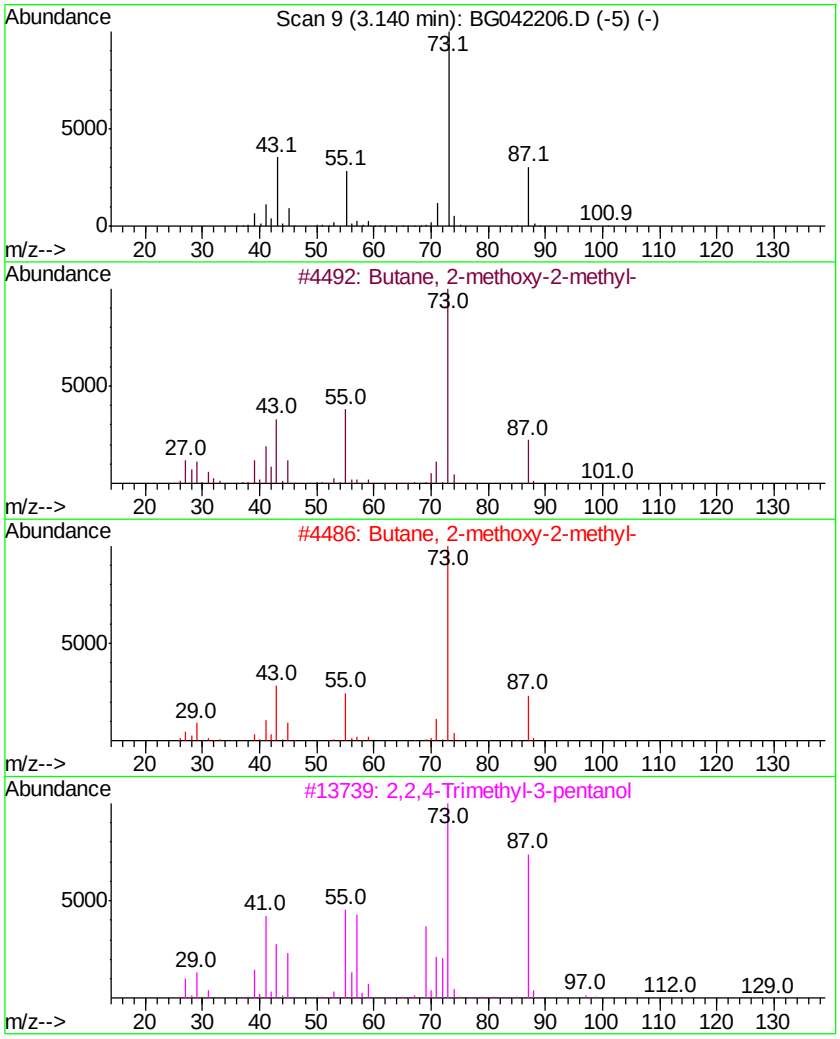
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

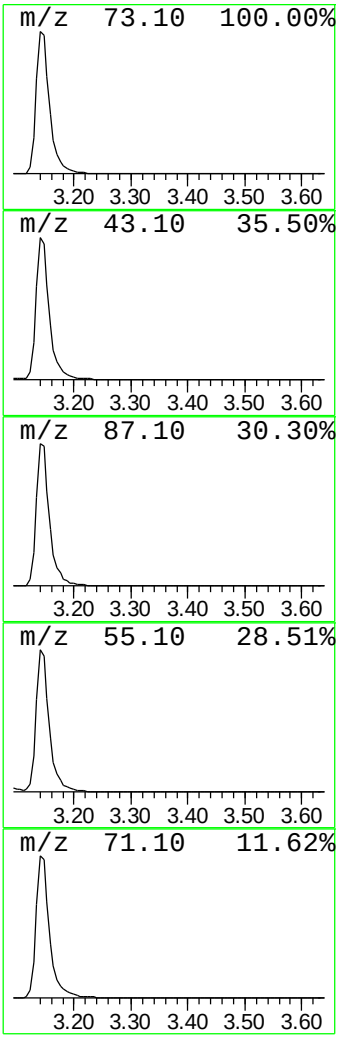
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	131.29 ng/ul	3012970	1,4-Dichlorobenzene-d4	8.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042206.D
Acq On : 14 Aug 2019 11:54
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

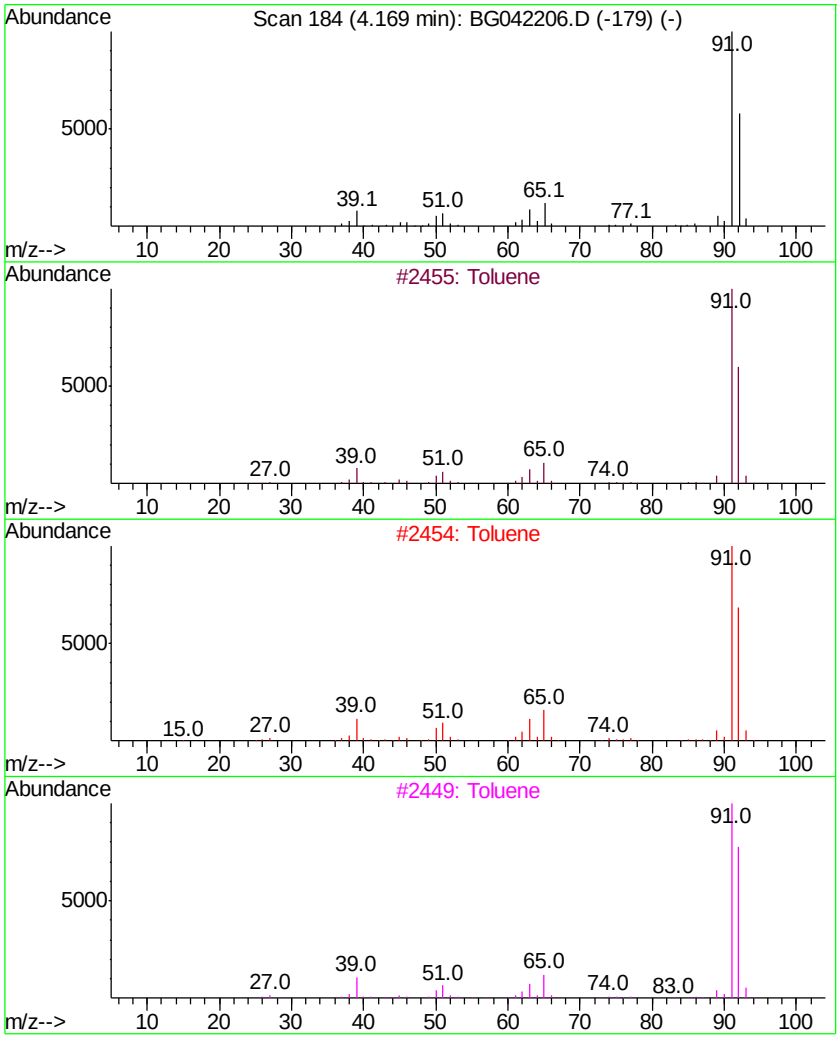
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

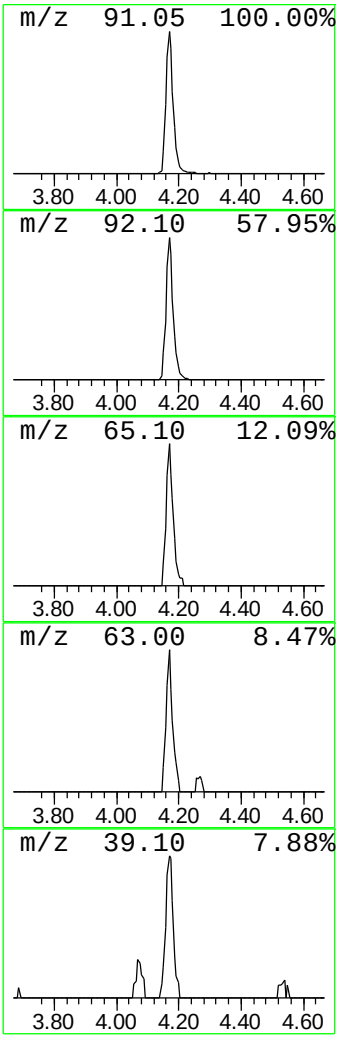
****

Peak Number 2 Toluene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.17	4.39 ng/ul	100849	1,4-Dichlorobenzene-d4	8.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	93
2	Toluene	92	C7H8	000108-88-3	93
3	Toluene	92	C7H8	000108-88-3	90
4	Toluene	92	C7H8	000108-88-3	90
5	Toluene	92	C7H8	000108-88-3	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042206.D
Acq On : 14 Aug 2019 11:54
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

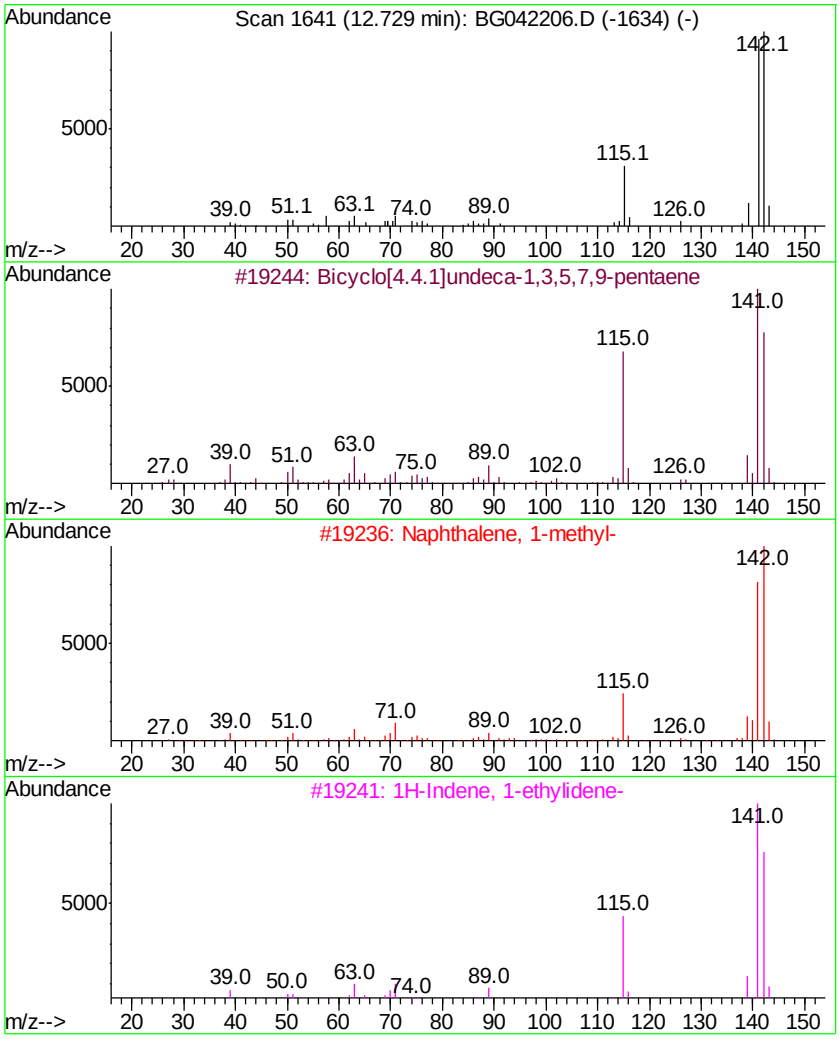
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

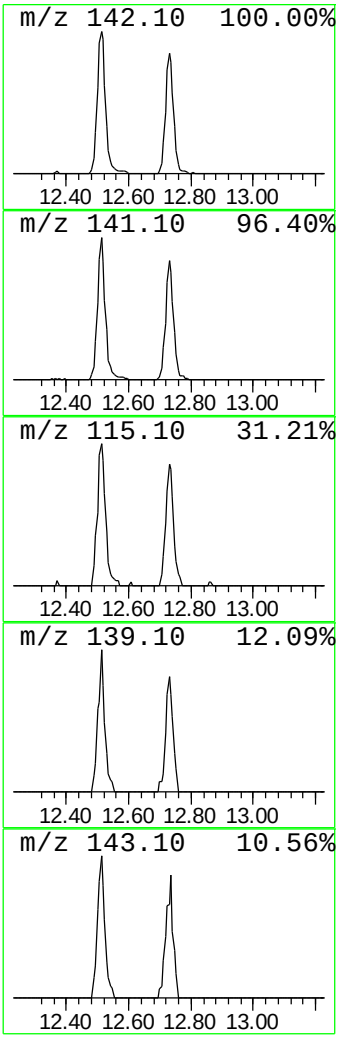
****

Peak Number 3 Bicyclo[4.4.1]undeca-1,3,5,... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	2.35 ng/ul	82813	Naphthalene-d8	10.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
3	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	91
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042206.D
Acq On : 14 Aug 2019 11:54
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

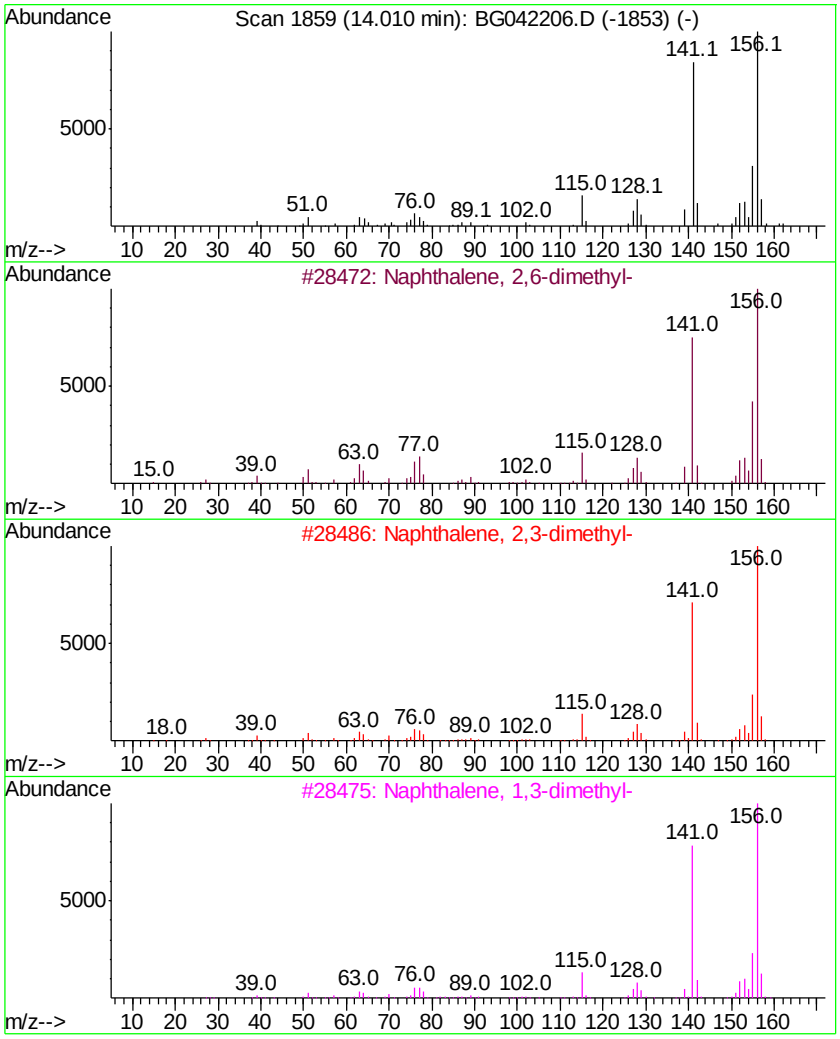
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

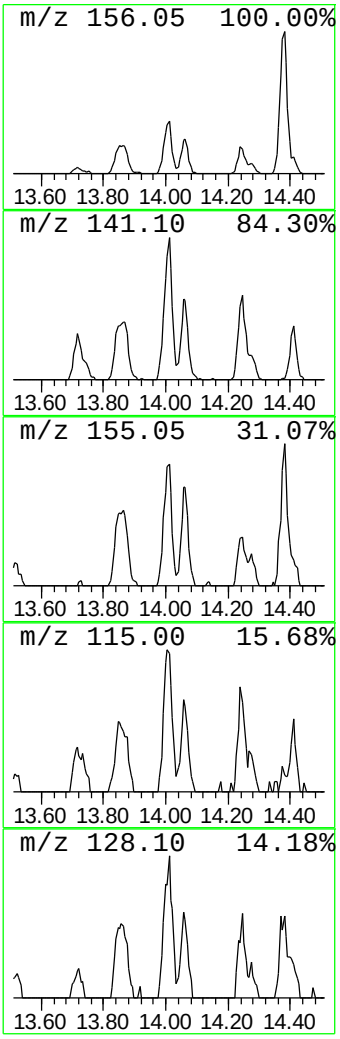
****

Peak Number 4 (DEL) Alkane: Cyclic14.01 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	2.00 ng/ul	105132	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042206.D
Acq On : 14 Aug 2019 11:54
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

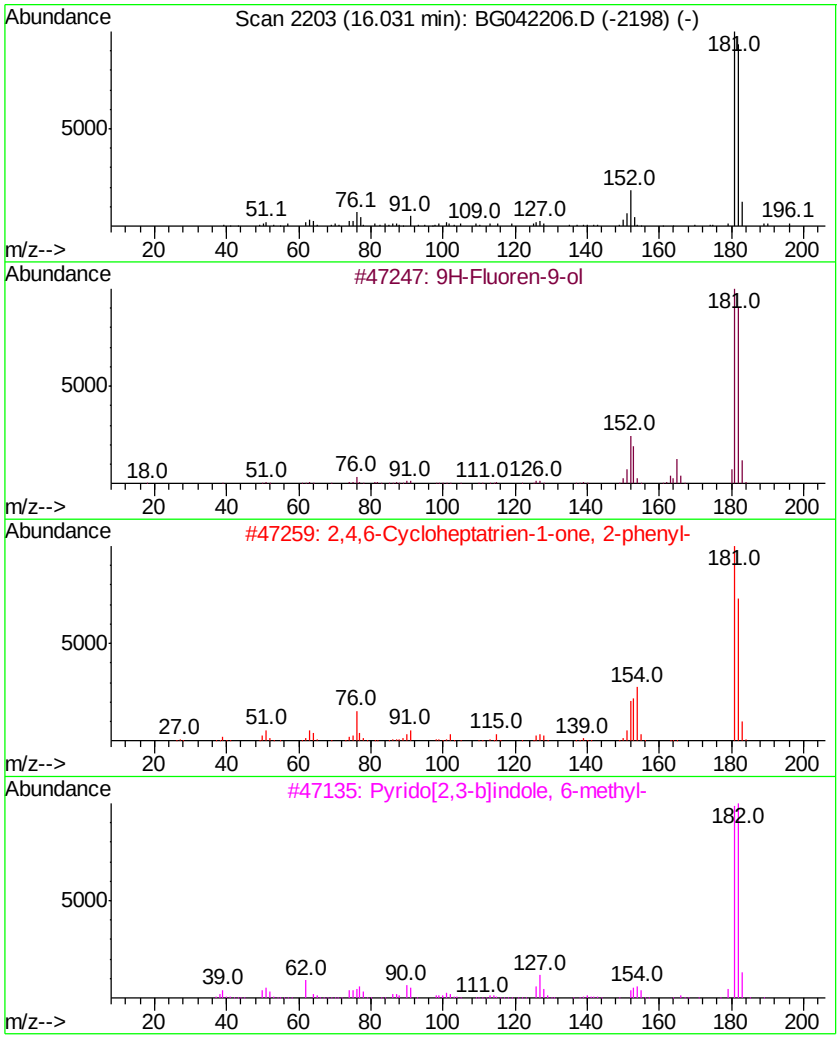
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

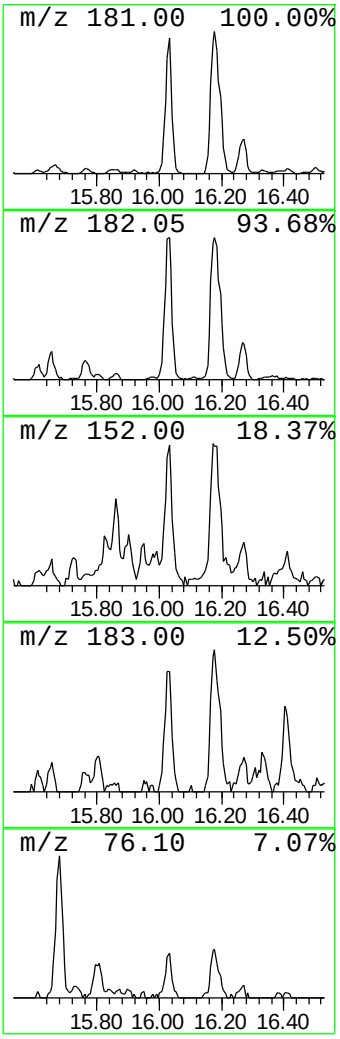
****

Peak Number 5 9H-Fluoren-9-ol Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	2.81 ng/ul	147351	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
3	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	78
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042206.D
Acq On : 14 Aug 2019 11:54
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

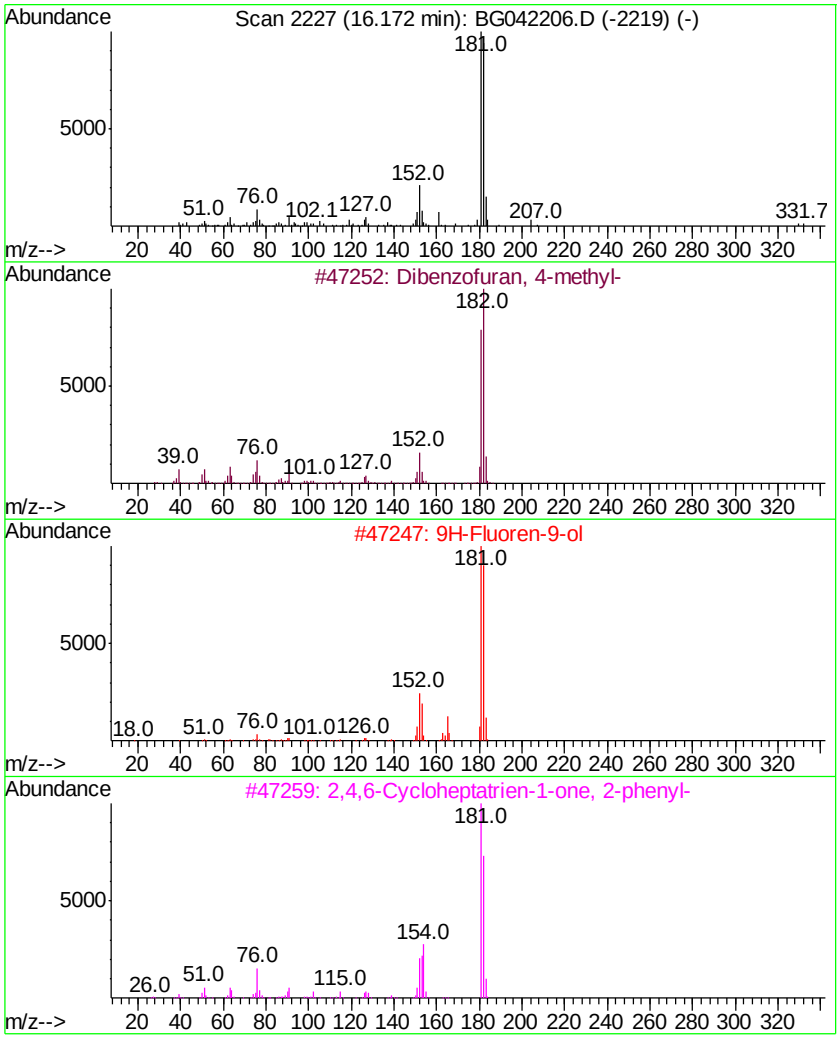
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

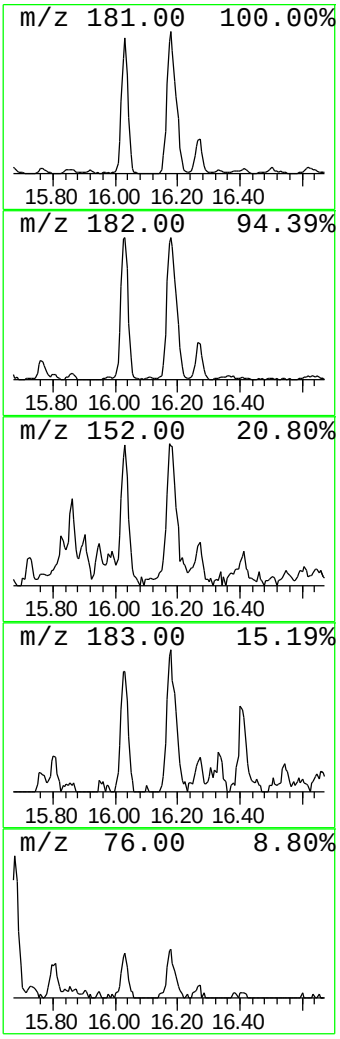
****

Peak Number 6 Dibenzofuran, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.17	3.29 ng/ul	201065	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
4	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	72
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042206.D
Acq On : 14 Aug 2019 11:54
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

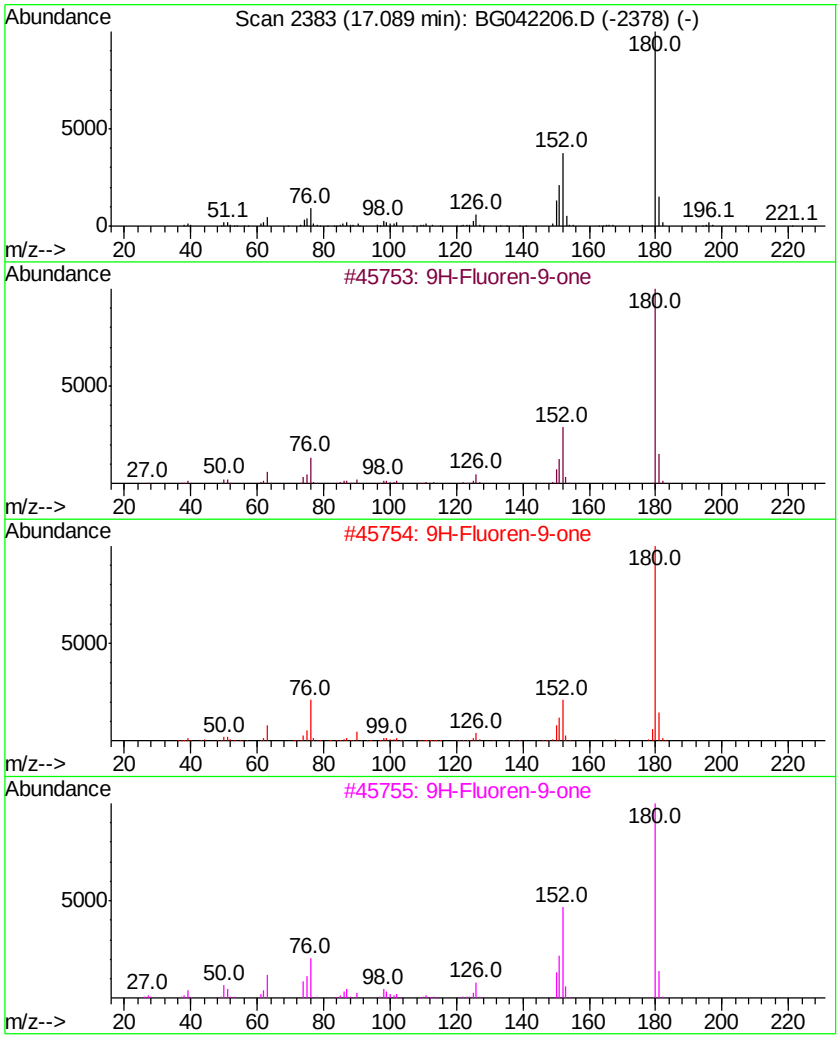
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

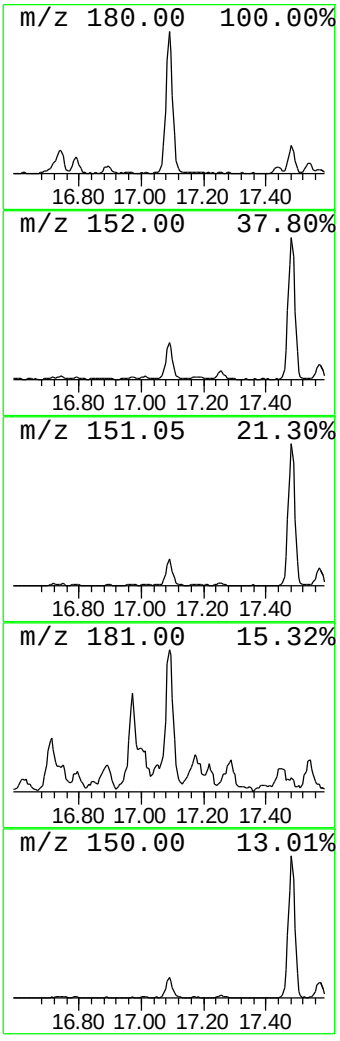
****

Peak Number 7 9H-Fluoren-9-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.09	4.58 ng/ul	280124	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042206.D
Acq On : 14 Aug 2019 11:54
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

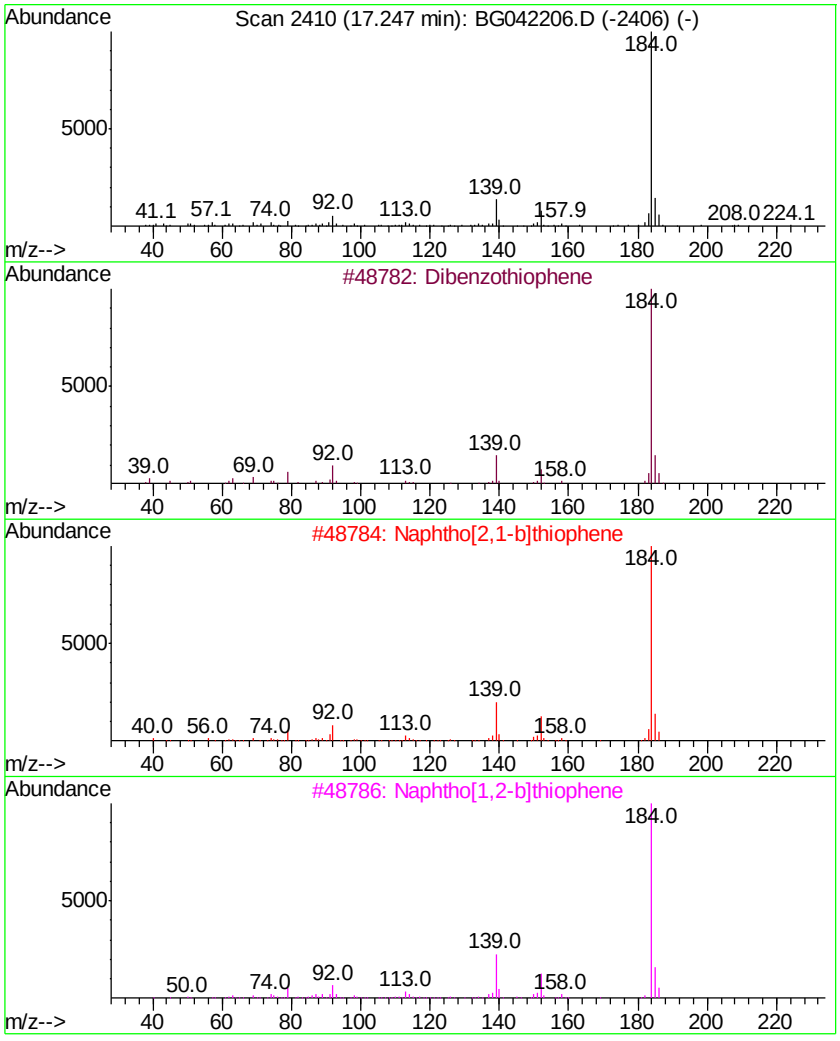
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

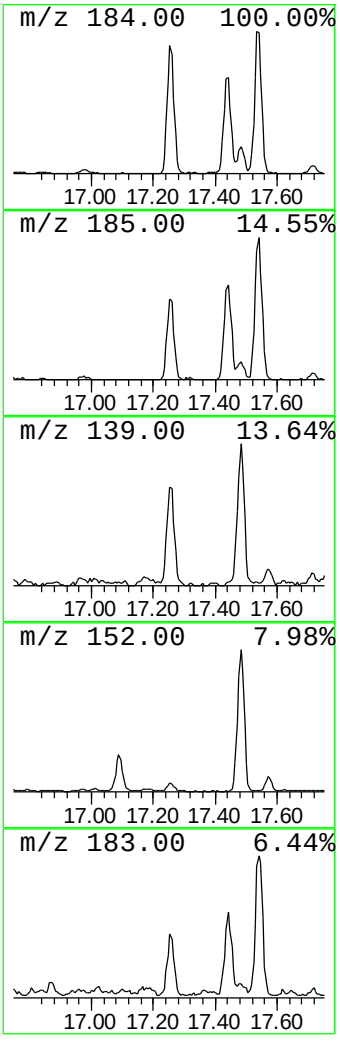
****

Peak Number 8 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.25	3.59 ng/ul	219368	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042206.D
Acq On : 14 Aug 2019 11:54
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

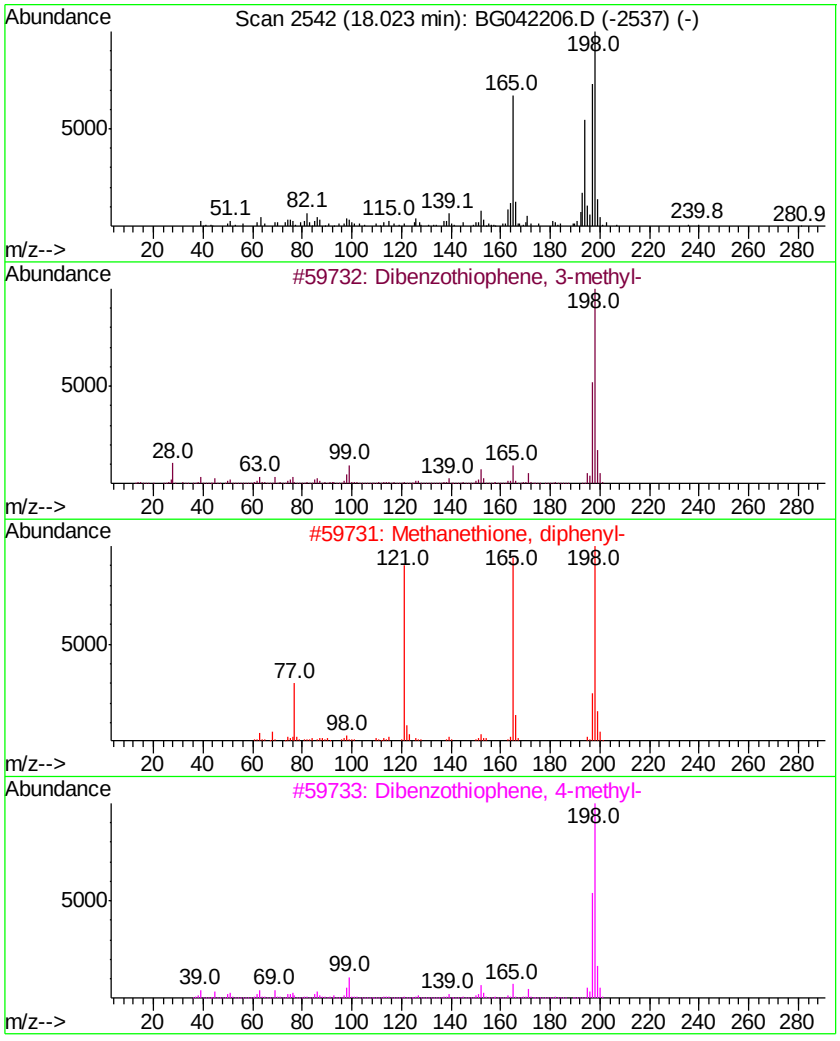
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

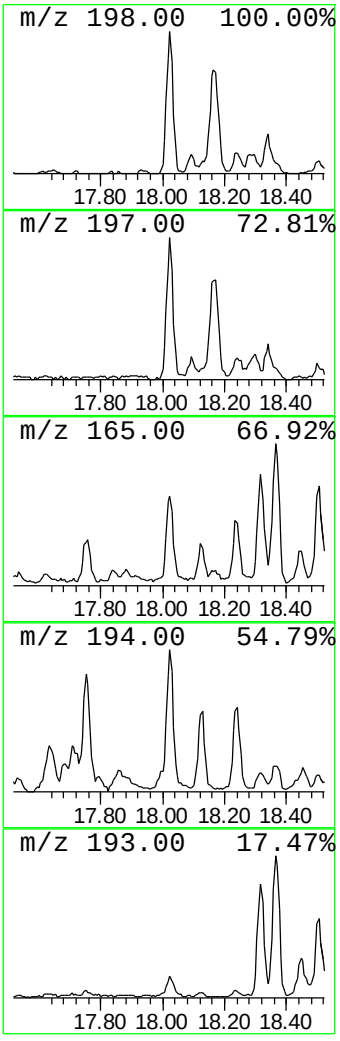
****

Peak Number 9 Dibenzothiophene, 3-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	2.39 ng/ul	146050	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	55
2	Methanethione, diphenyl-	198	C13H10S	001450-31-3	49
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	46
4	Tacrine	198	C13H14N2	000321-64-2	46
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042206.D
Acq On : 14 Aug 2019 11:54
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

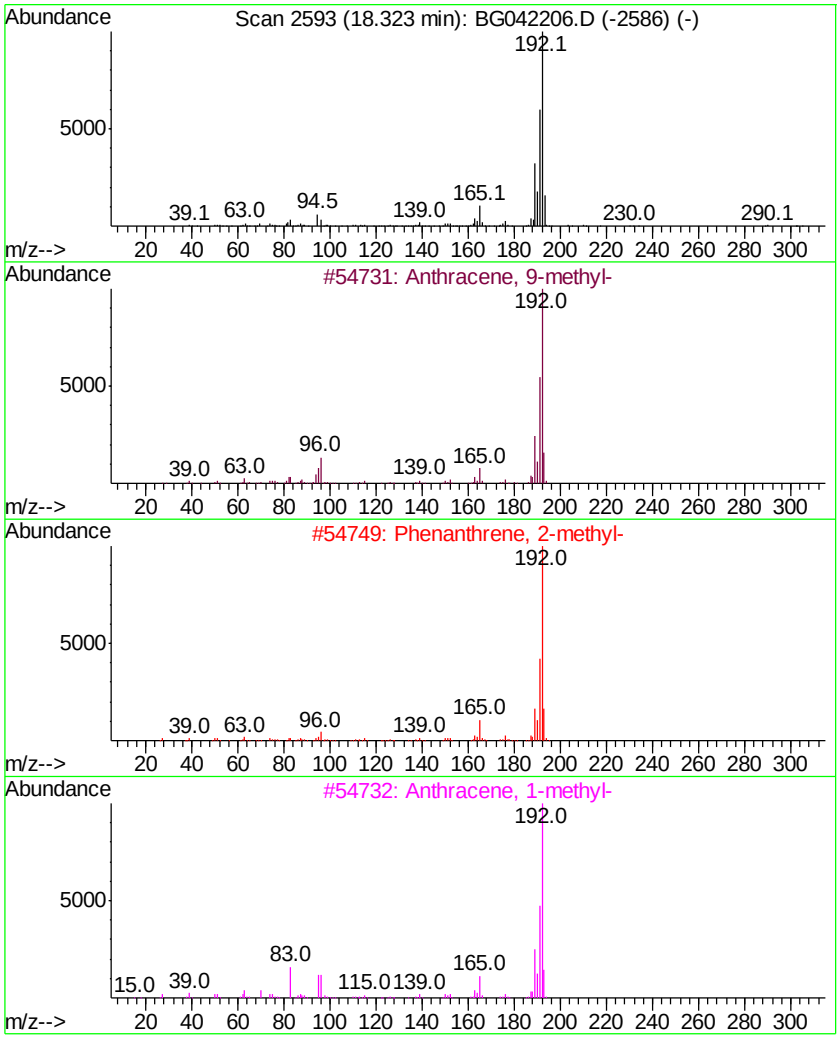
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

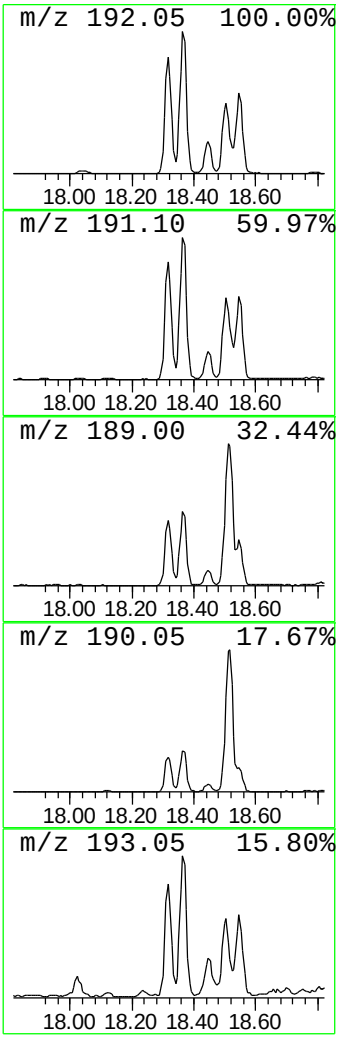
****

Peak Number 10 Anthracene, 9-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	8.47 ng/ul	518376	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042206.D
Acq On : 14 Aug 2019 11:54
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

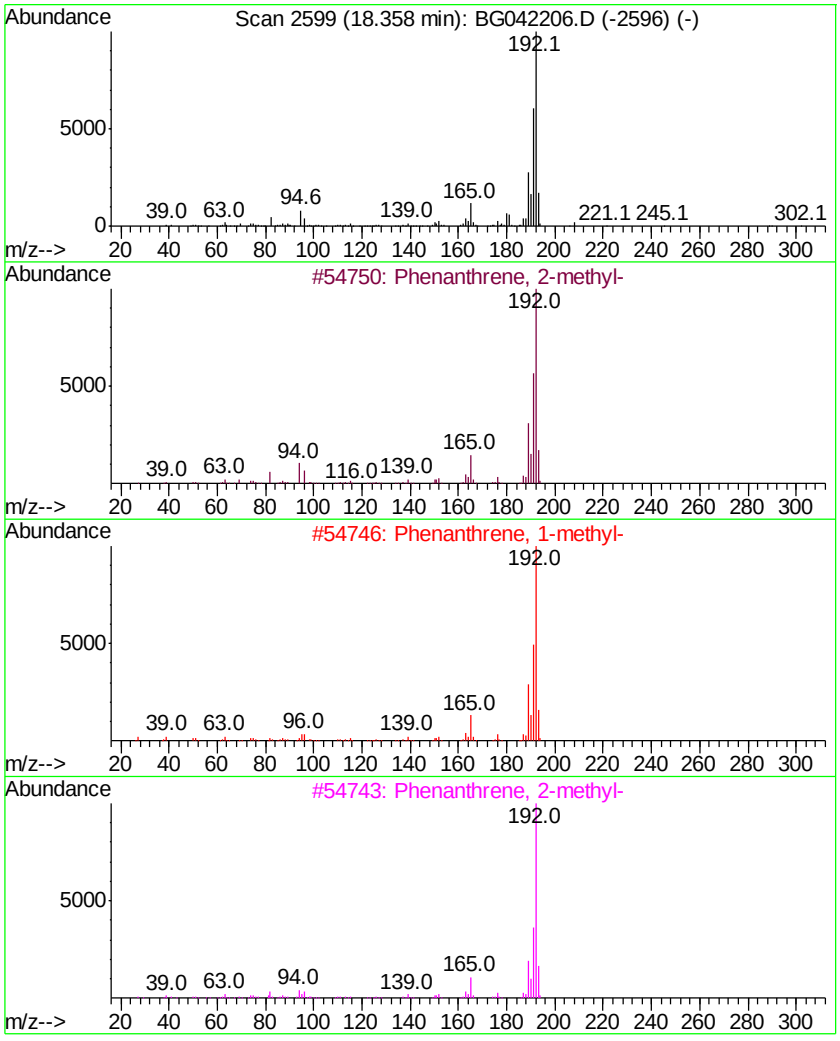
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

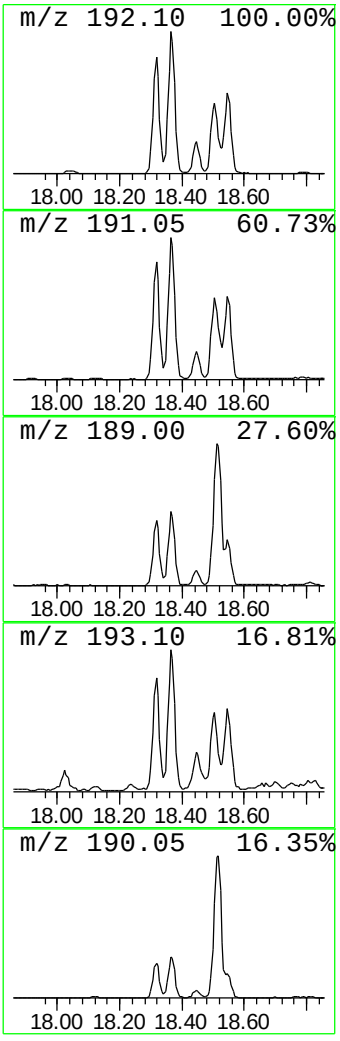
****

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	11.00 ng/ul	673009	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042206.D
Acq On : 14 Aug 2019 11:54
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

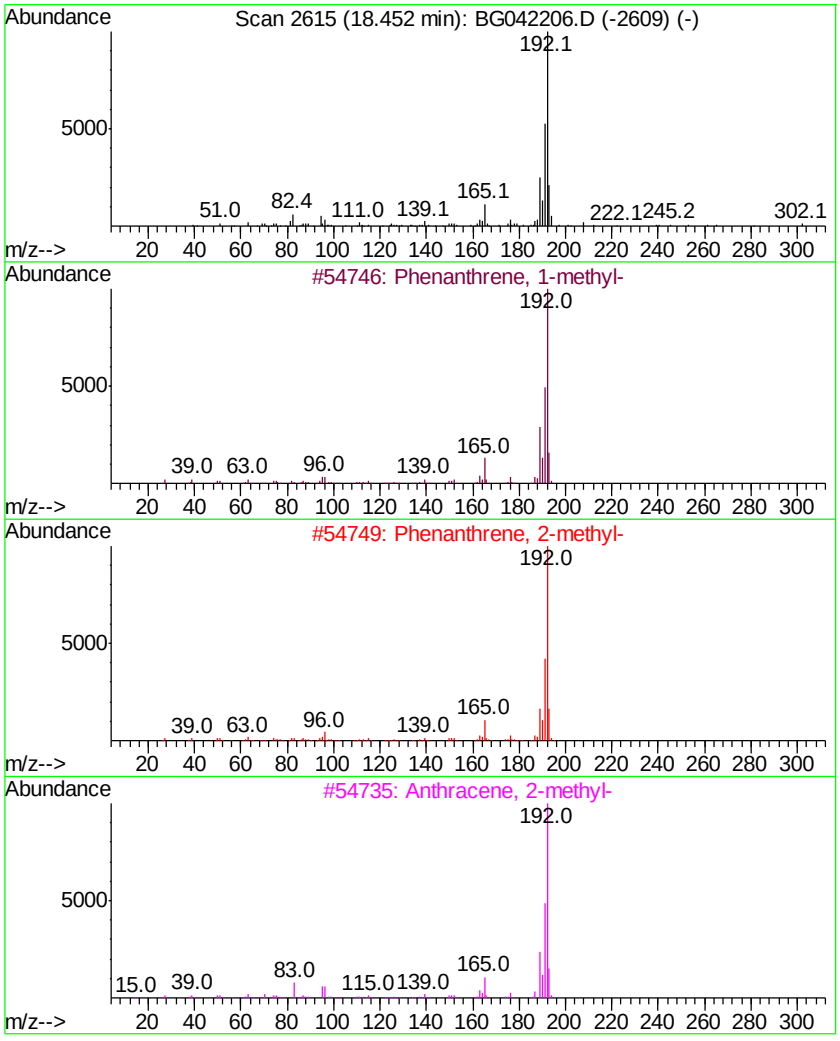
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

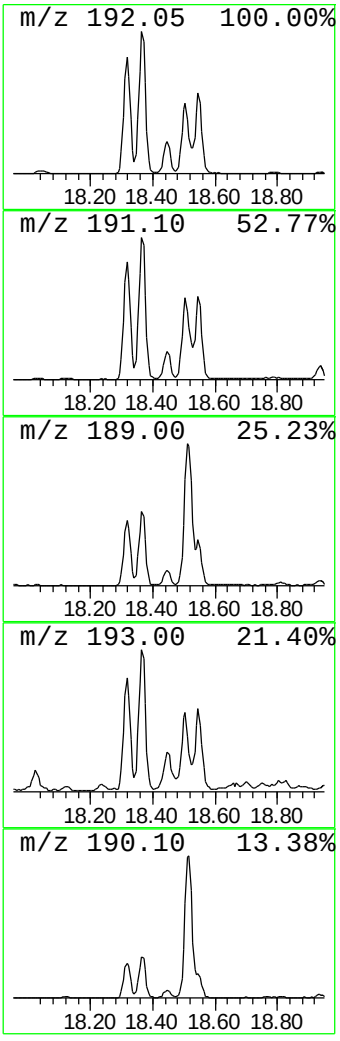
****

Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	2.30 ng/ul	140800	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042206.D
Acq On : 14 Aug 2019 11:54
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

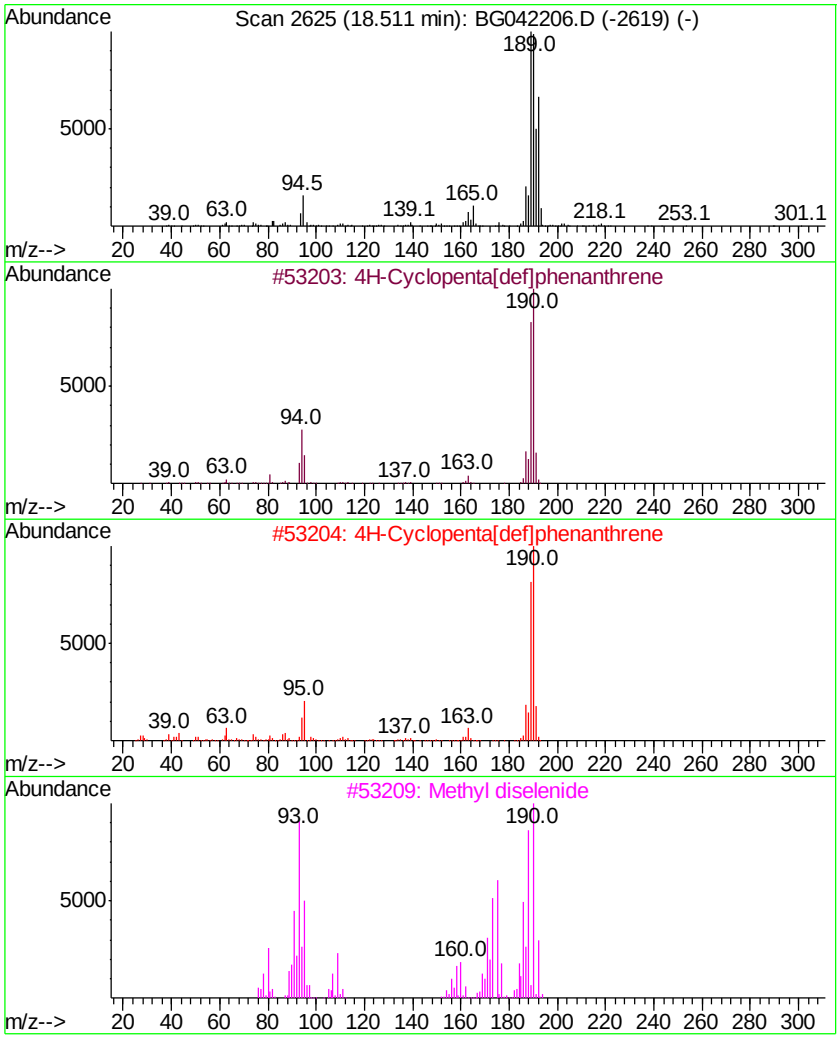
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

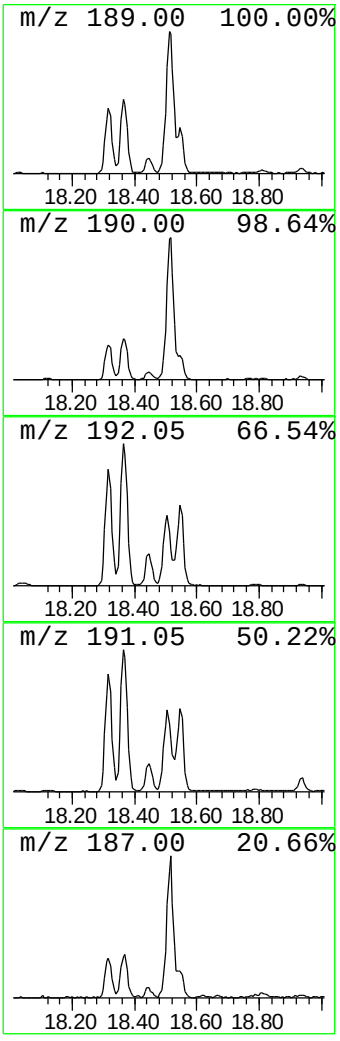
****

Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	11.39 ng/ul	696470	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
3	Methyl diselenide	190	C2H6Se2	007101-31-7	45
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	35





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042206.D
Acq On : 14 Aug 2019 11:54
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

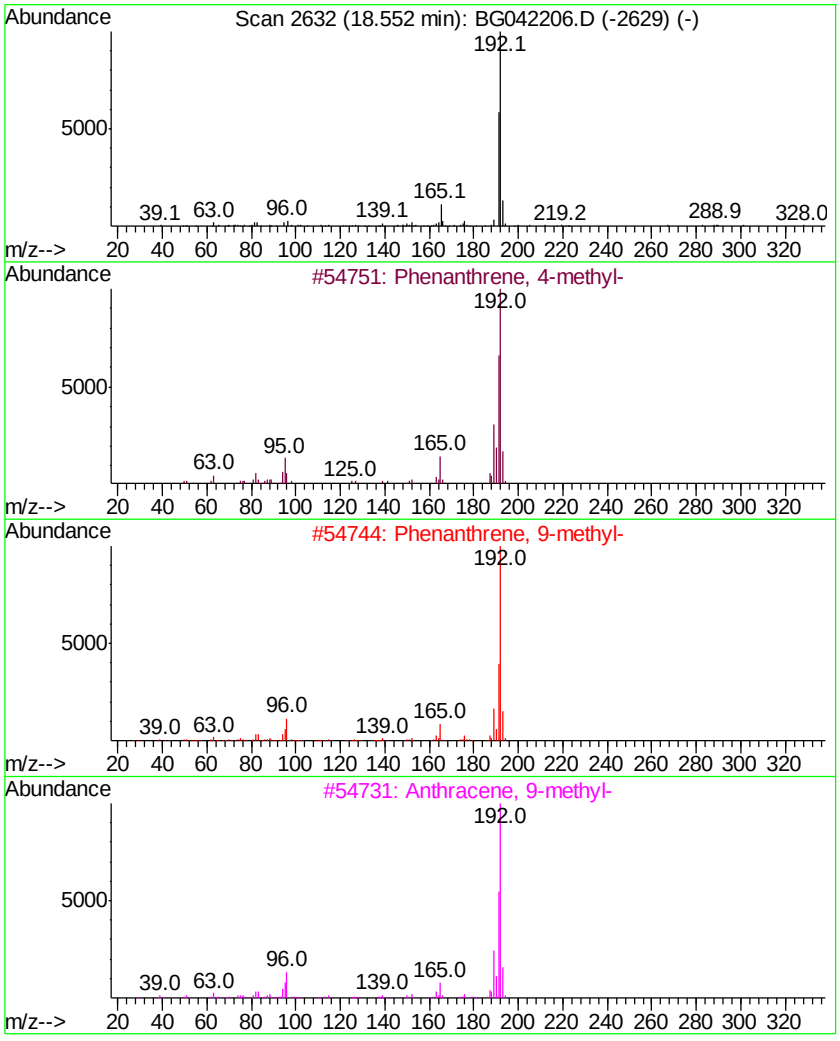
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

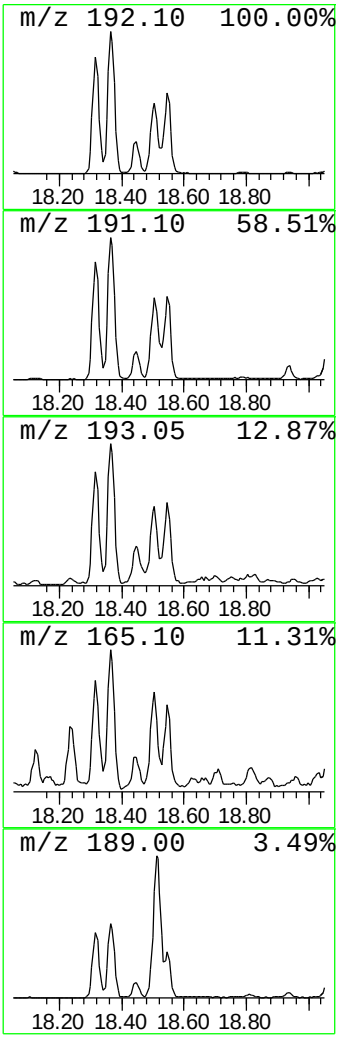
****

Peak Number 14 Phenanthrene, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	4.92 ng/ul	300690	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	90
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042206.D
Acq On : 14 Aug 2019 11:54
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

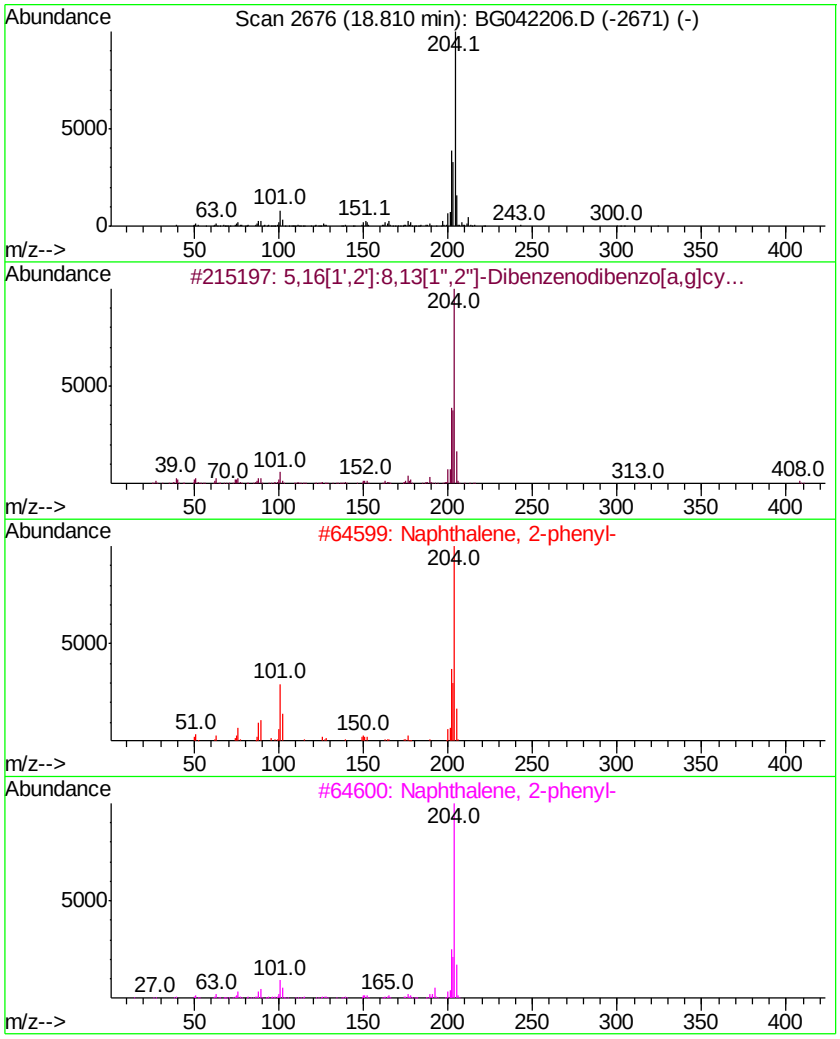
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

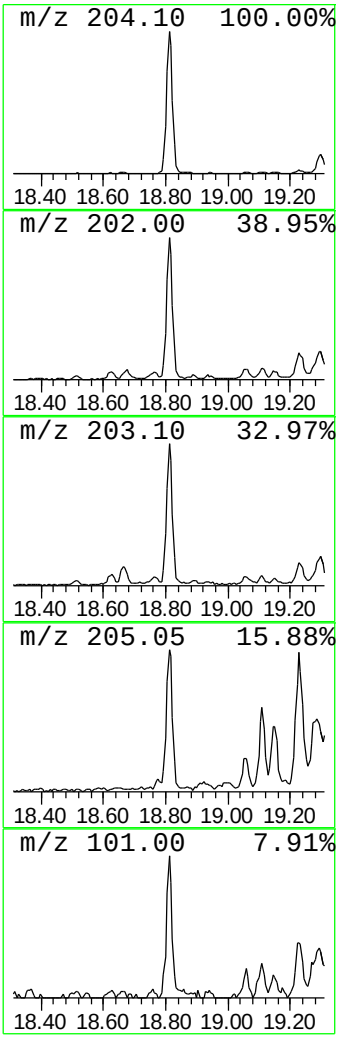
****

Peak Number 15 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	5.67 ng/ul	346641	Phenanthrene-d10	17.44

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	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042206.D
Acq On : 14 Aug 2019 11:54
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

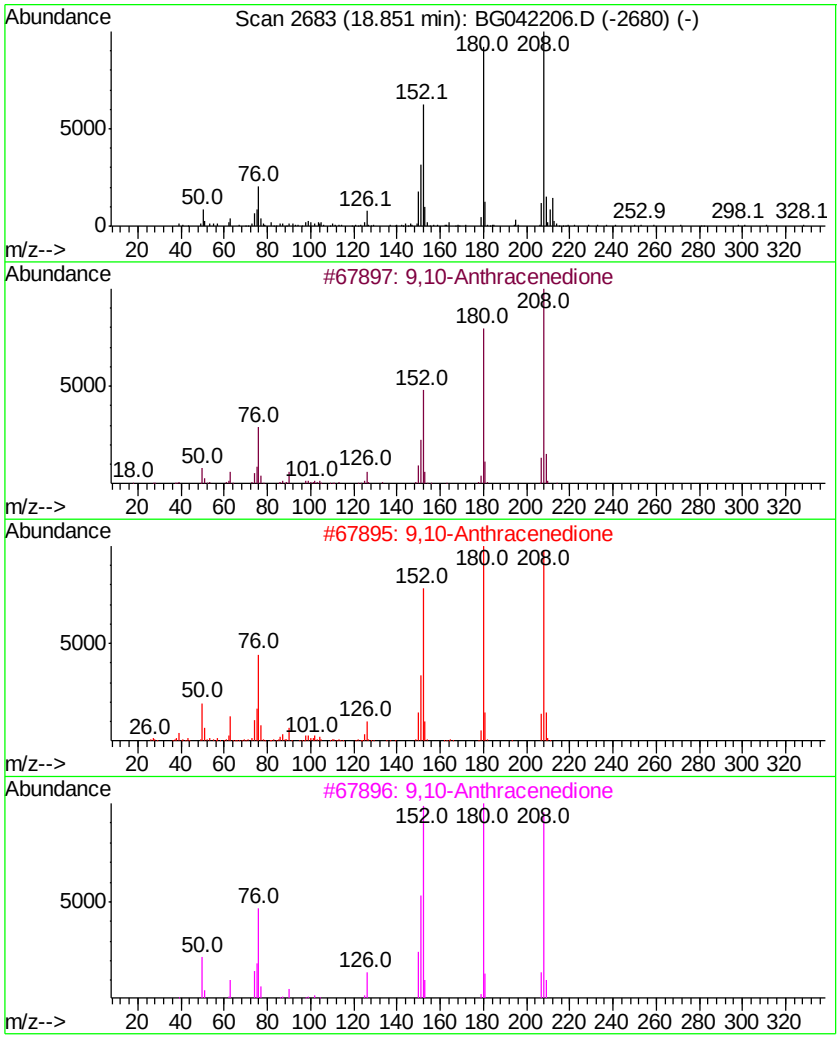
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

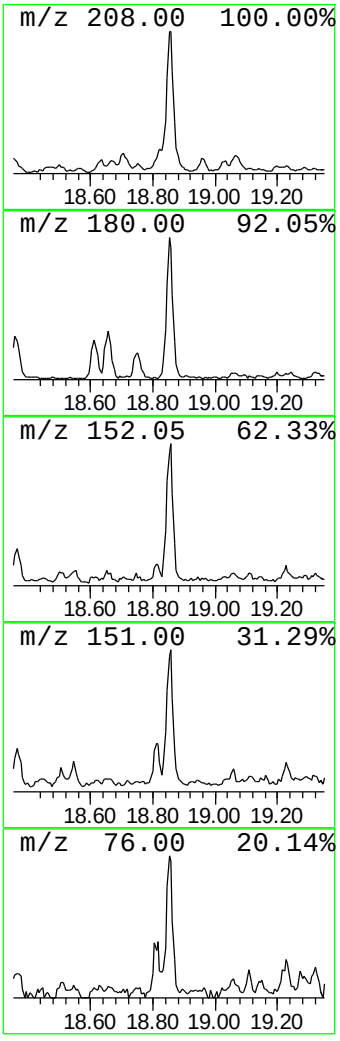
****

Peak Number 16 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	3.41 ng/ul	208367	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
4	1,8-Anthracenediamine	208	C14H12N2	139312-39-3	64
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042206.D
Acq On : 14 Aug 2019 11:54
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

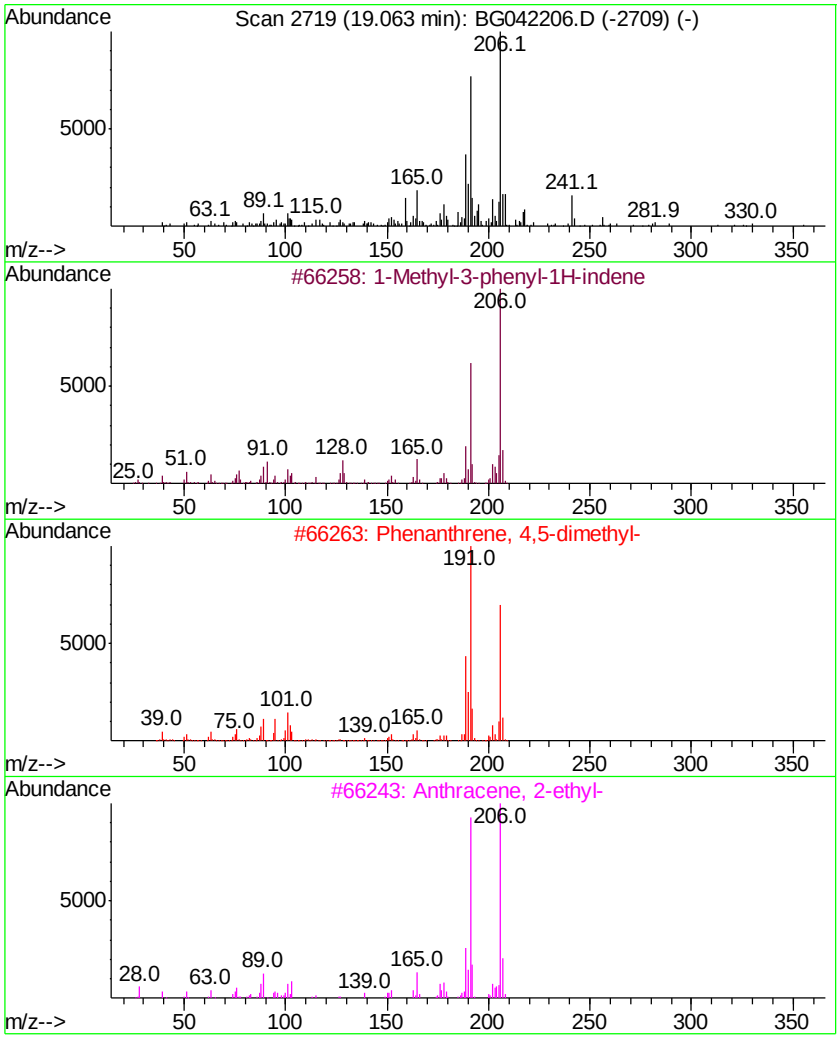
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

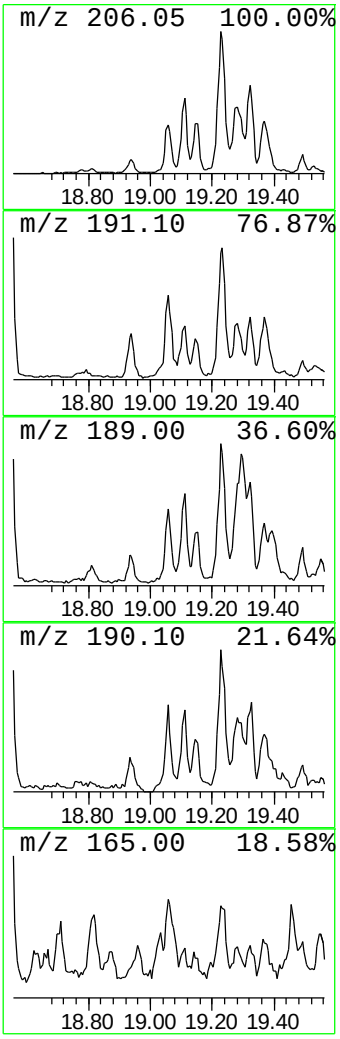
****

Peak Number 17 1-Methyl-3-phenyl-1H-indene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.06	3.78 ng/ul	231429	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	92
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	86
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	81
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042206.D
Acq On : 14 Aug 2019 11:54
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

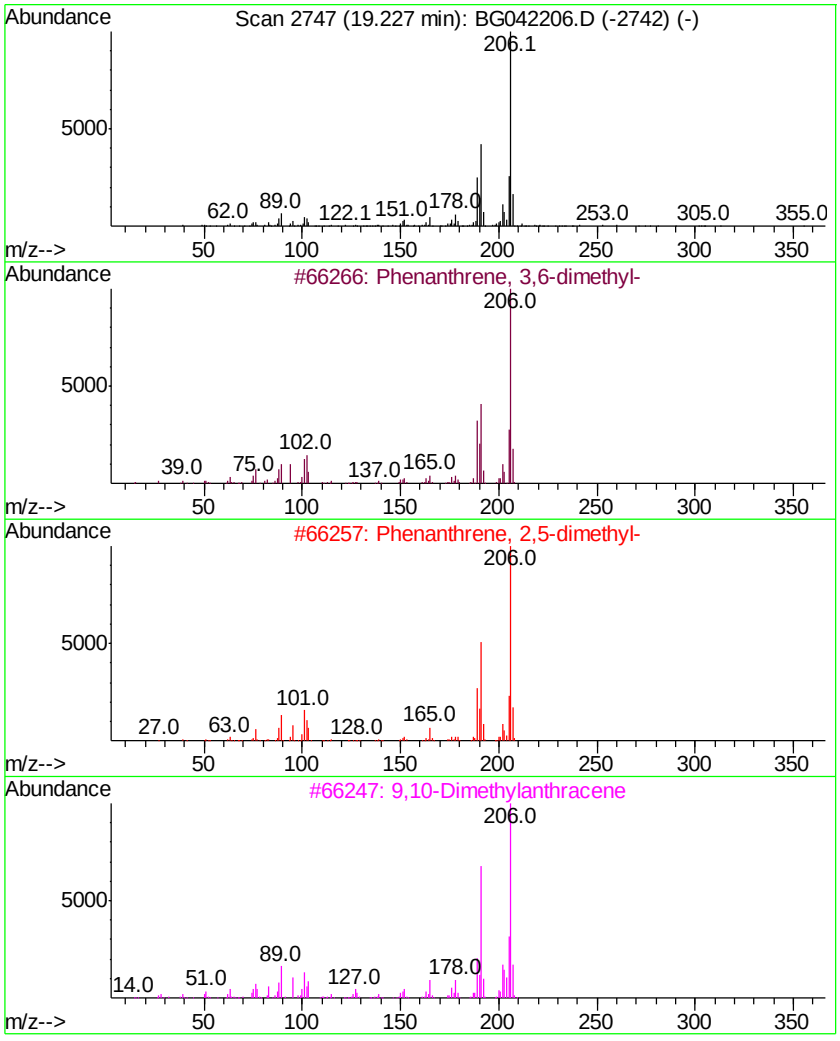
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

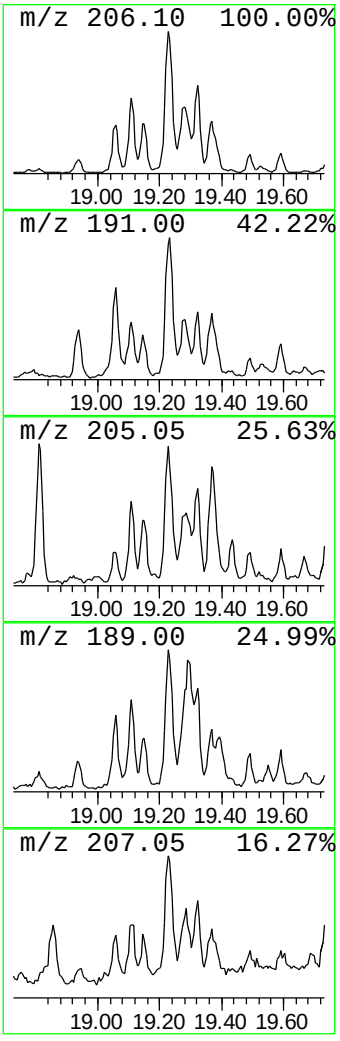
****

Peak Number 18 Phenanthrene, 3,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	4.99 ng/ul	305479	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042206.D
Acq On : 14 Aug 2019 11:54
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

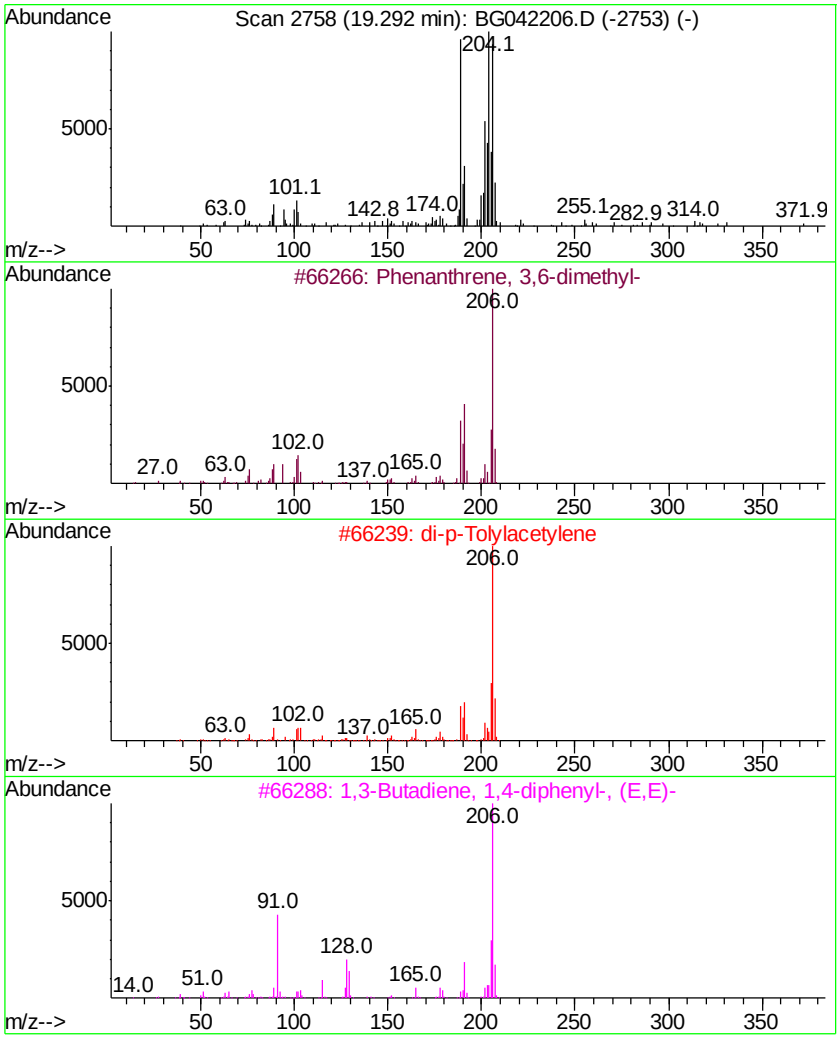
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

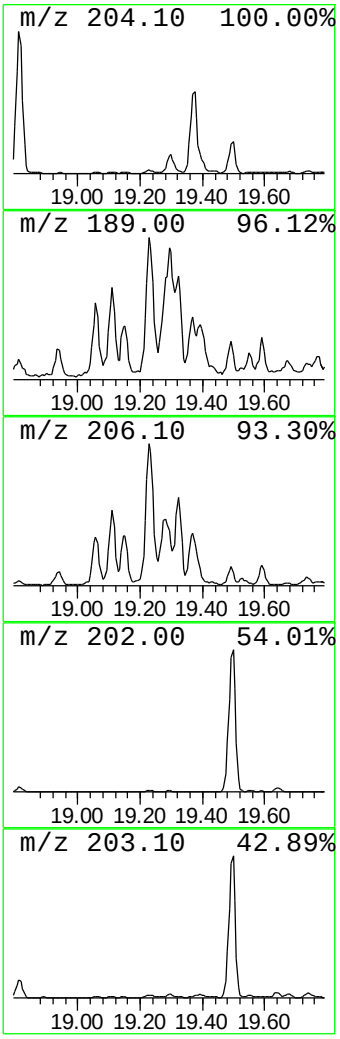
****

Peak Number 19 unknown-01 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.29	2.46 ng/ul	150459	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	38
3	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	30
4	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	30
5	3-Acetyl-2,5-dimethylbenzo(b)thi...	204	C12H12OS	006179-04-0	27





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042206.D
Acq On : 14 Aug 2019 11:54
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

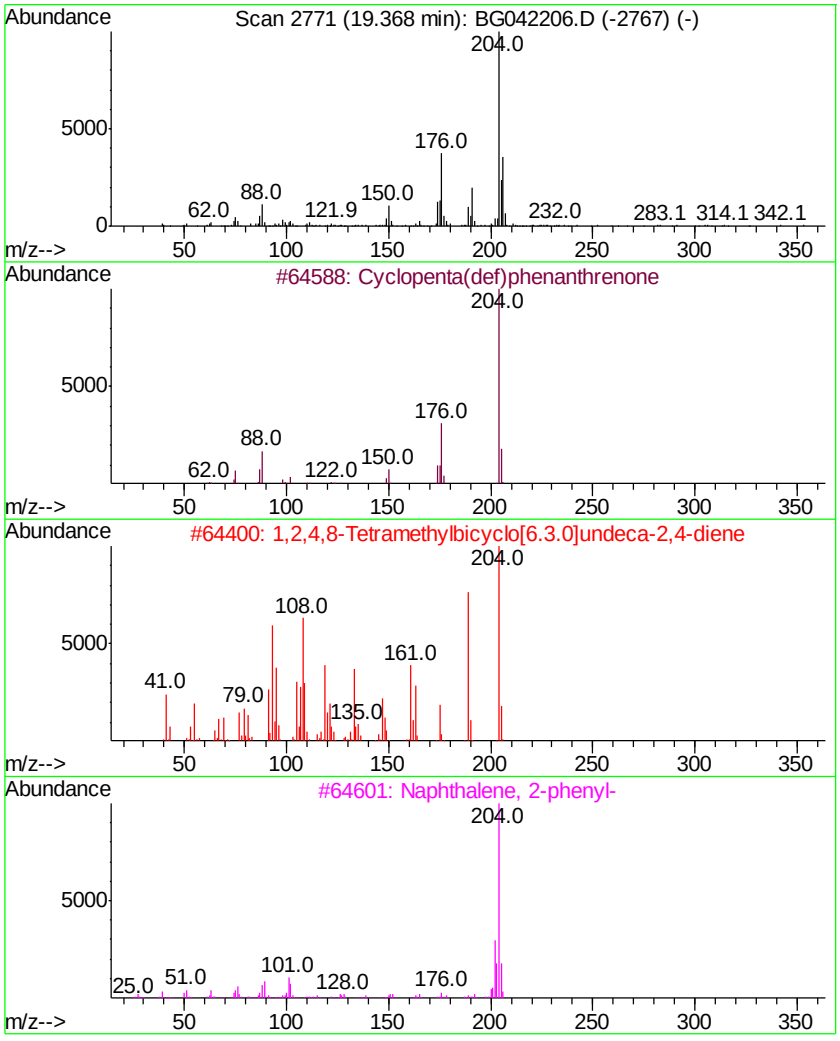
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

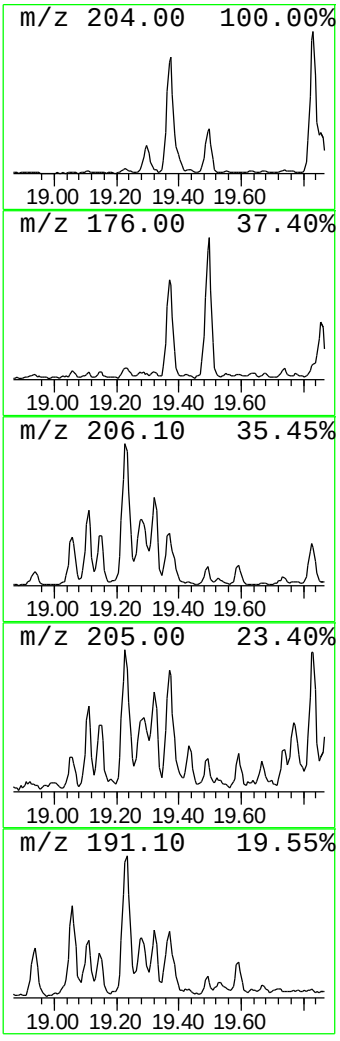
****

Peak Number 20 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.37	4.85 ng/ul	296928	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43
5	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042206.D
Acq On : 14 Aug 2019 11:54
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

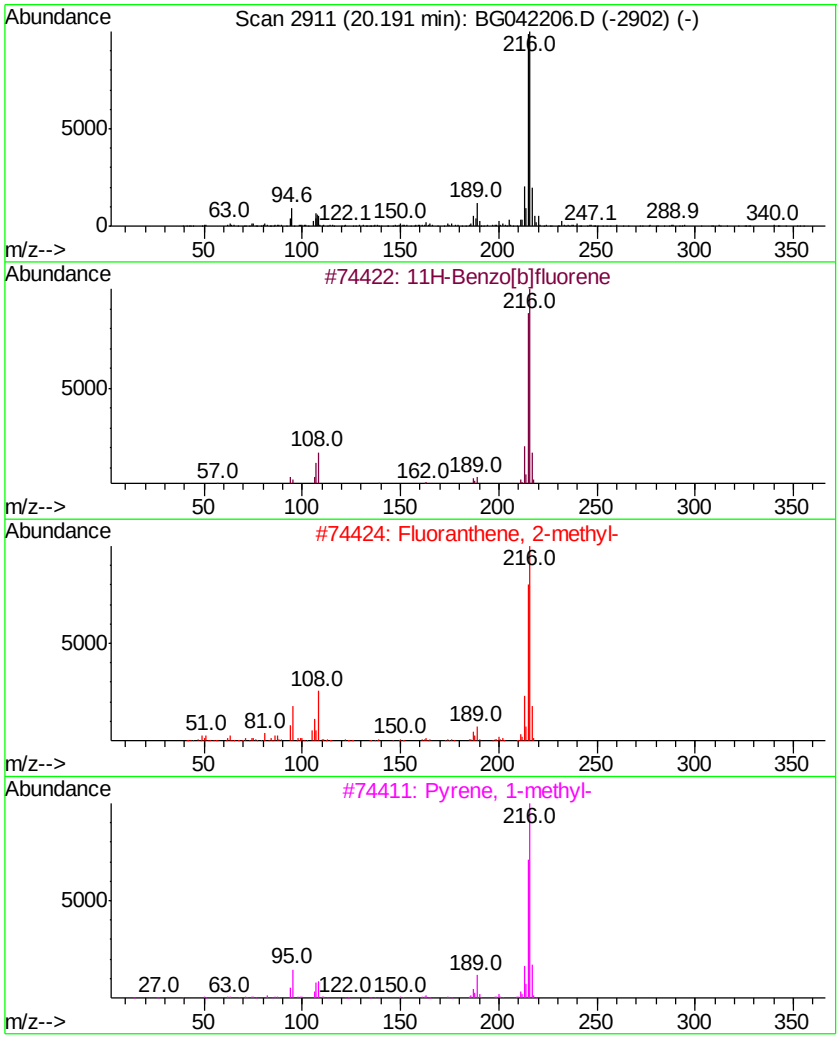
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

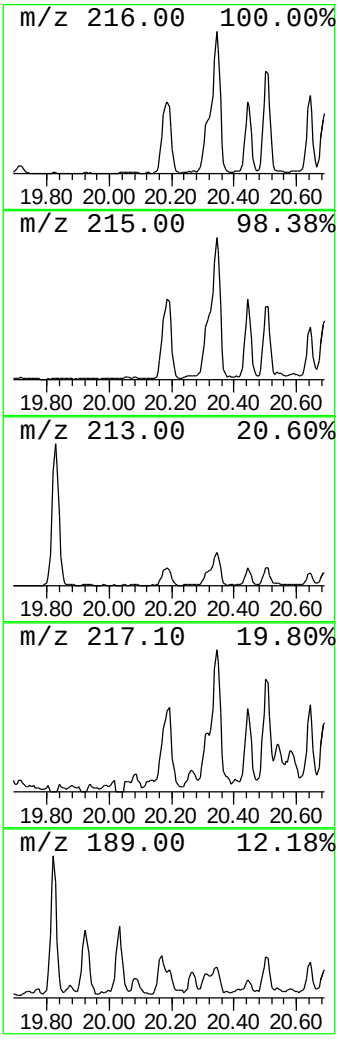
****

Peak Number 21 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.19	3.06 ng/ul	535900	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042206.D
Acq On : 14 Aug 2019 11:54
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

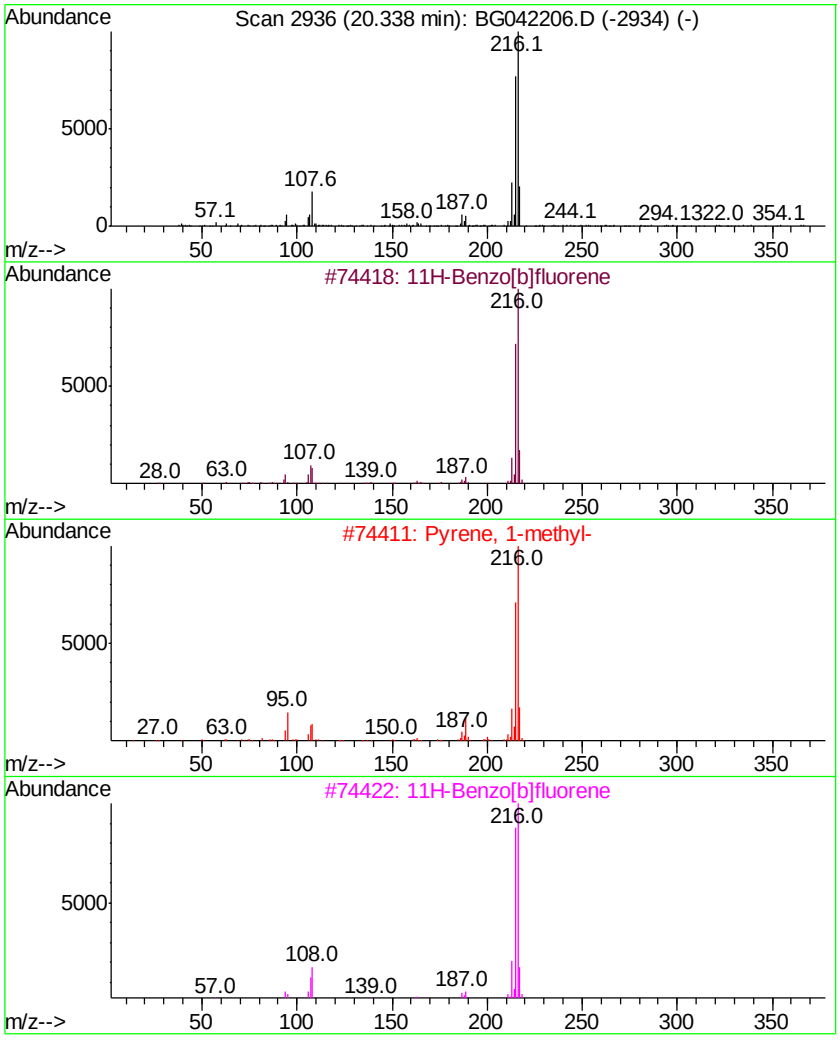
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

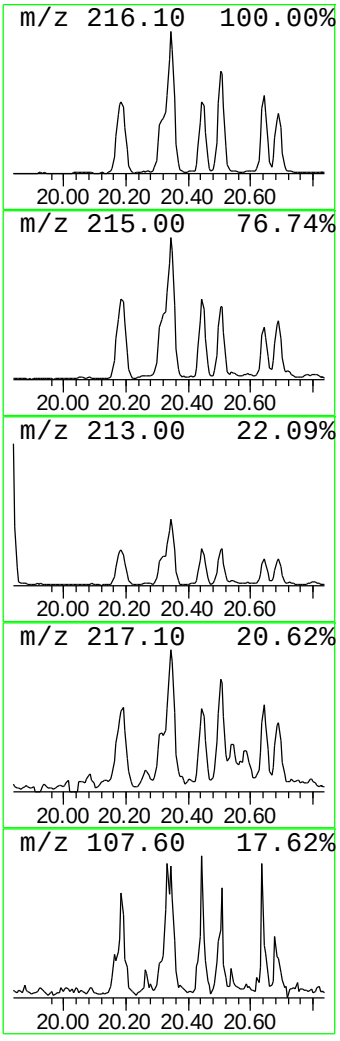
****

Peak Number 22 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.34	2.79 ng/ul	487641	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042206.D
Acq On : 14 Aug 2019 11:54
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

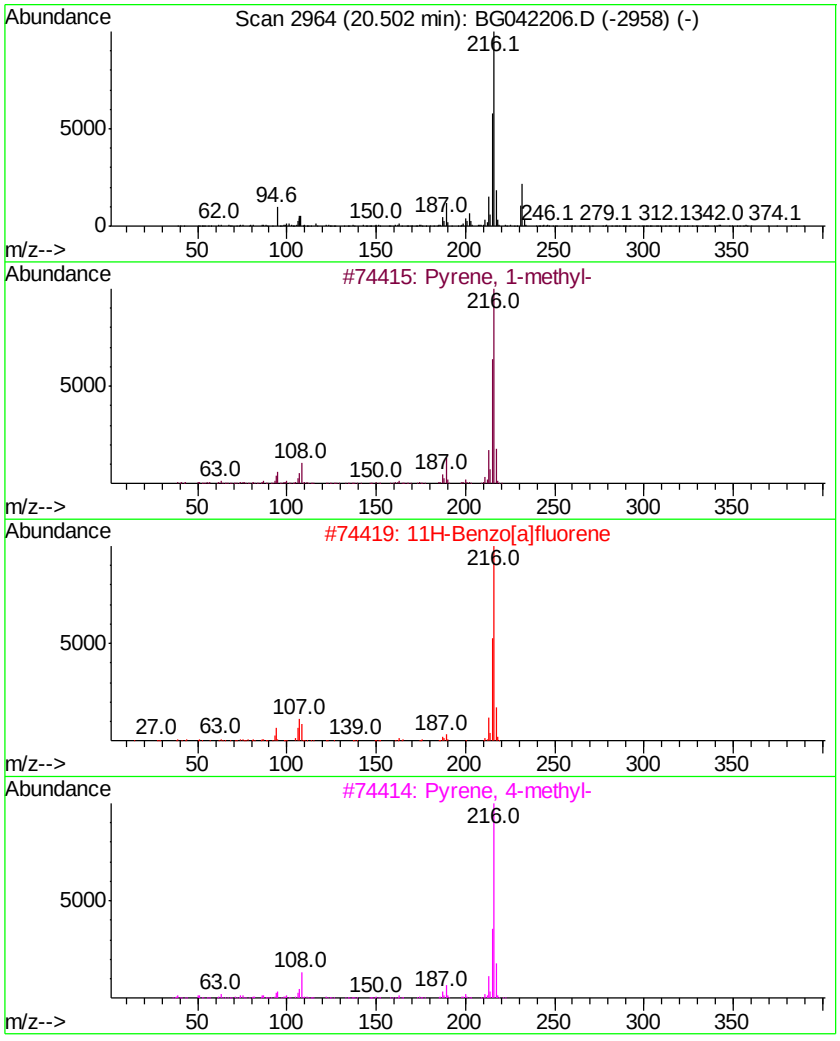
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

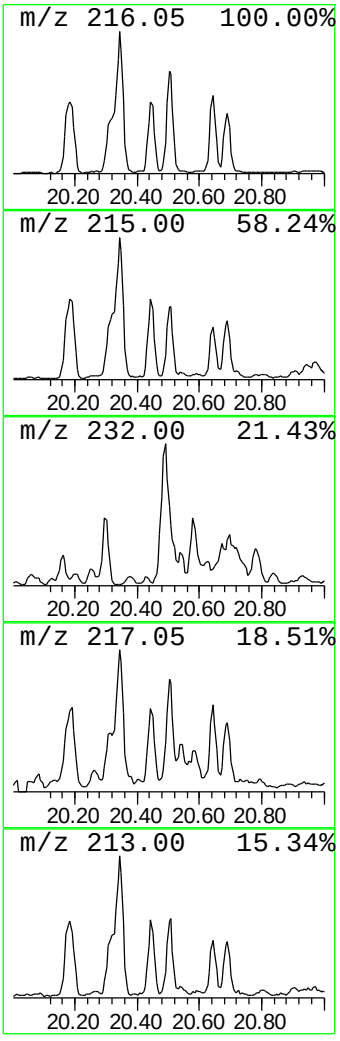
****

Peak Number 23 Pyrene, 4-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.50	2.38 ng/ul	415466	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	89
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	86
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042206.D
Acq On : 14 Aug 2019 11:54
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

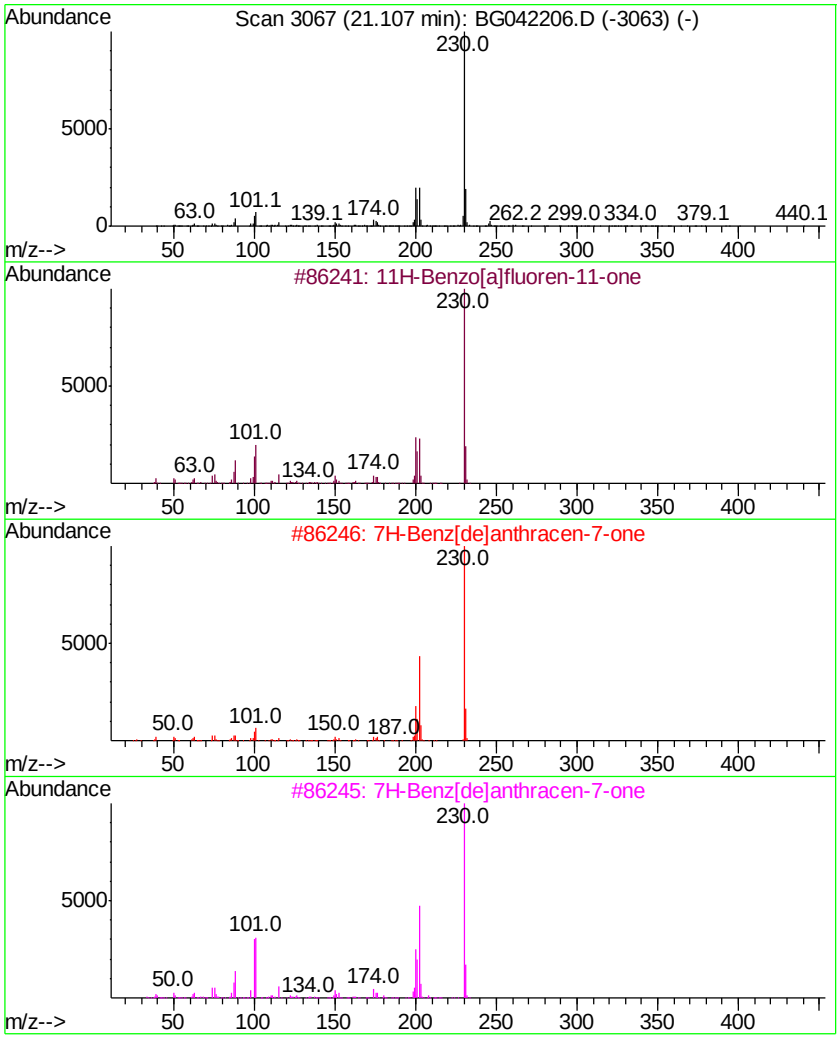
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

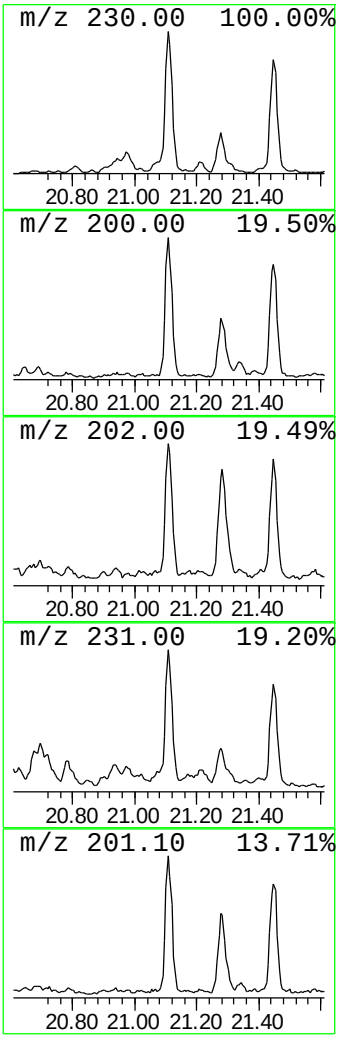
****

Peak Number 24 11H-Benzo[a]fluoren-11-one Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.11	2.54 ng/ul	443725	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042206.D
Acq On : 14 Aug 2019 11:54
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

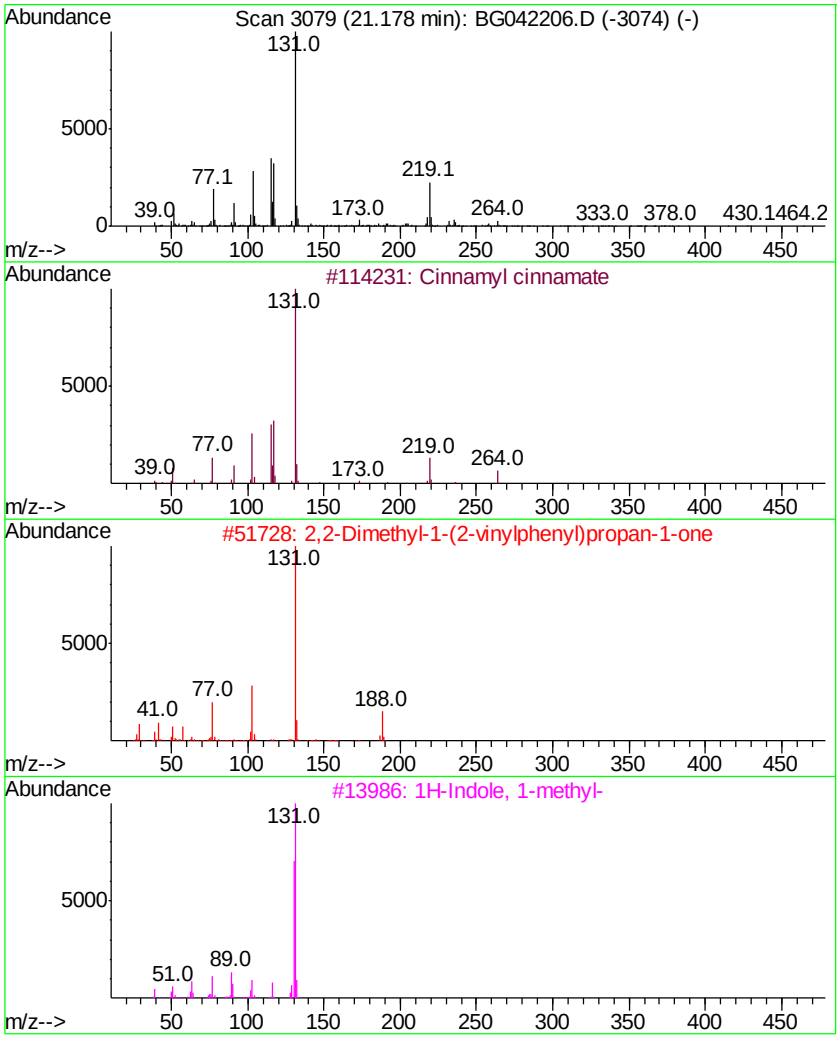
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

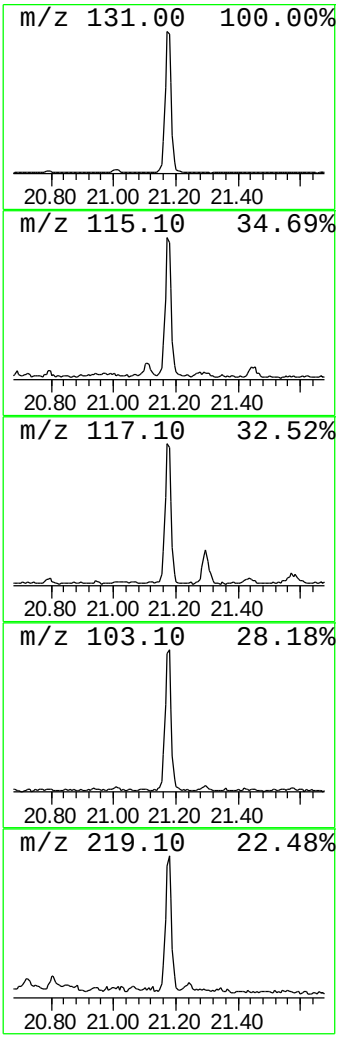
****

Peak Number 25 Cinnamyl cinnamate Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.18	2.20 ng/ul	384264	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cinnamyl cinnamate	264	C18H16O2	000122-69-0	78
2	2,2-Dimethyl-1-(2-vinylphenyl)pr...	188	C13H16O	1000210-99-9	46
3	1H-Indole, 1-methyl-	131	C9H9N	000603-76-9	43
4	N-(p-Vinylbenzoyl)-l-alanine	219	C12H13NO3	139184-60-4	43
5	2-Propenoic acid, 3-phenyl-, phe...	224	C15H12O2	025695-77-6	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042206.D
Acq On : 14 Aug 2019 11:54
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

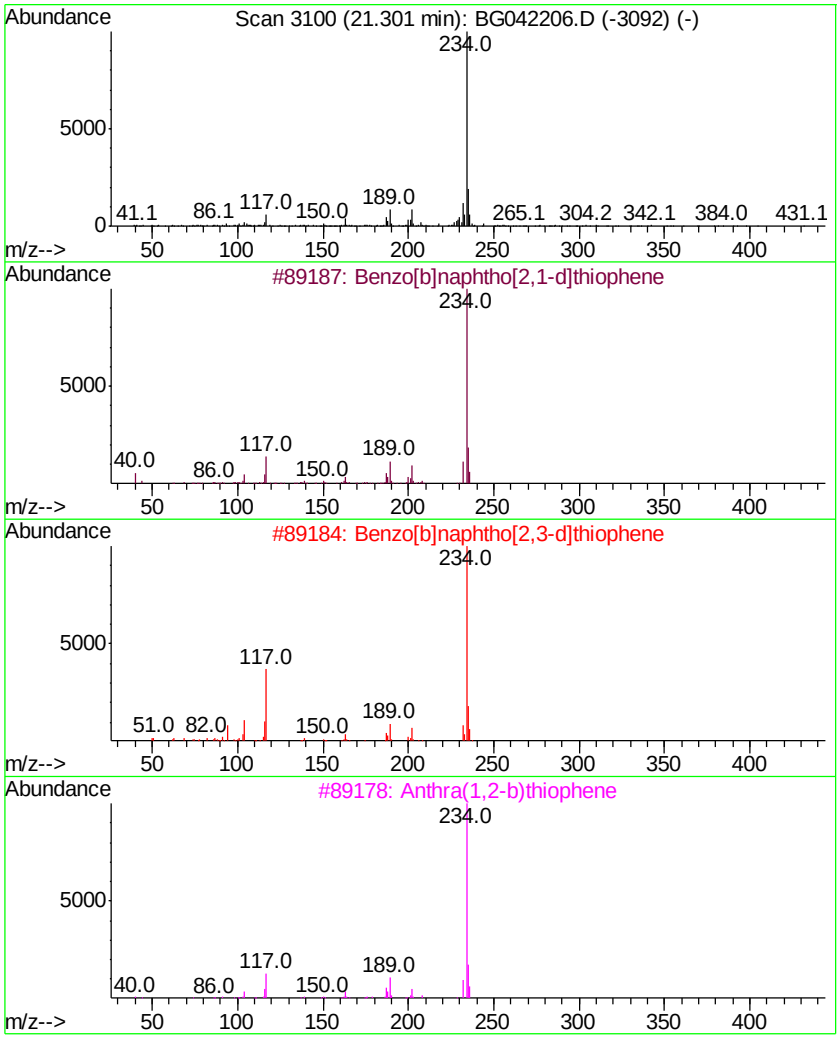
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

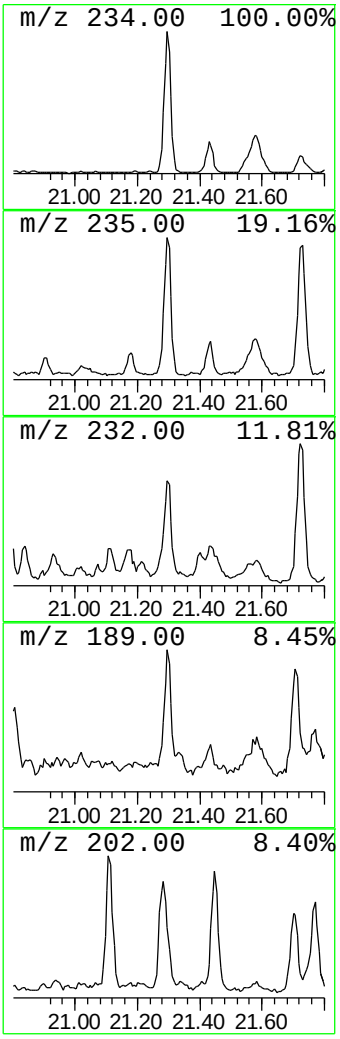
****

Peak Number 26 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.30	2.51 ng/ul	438947	Chrysene-d12	21.72

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





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042206.D
Acq On : 14 Aug 2019 11:54
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

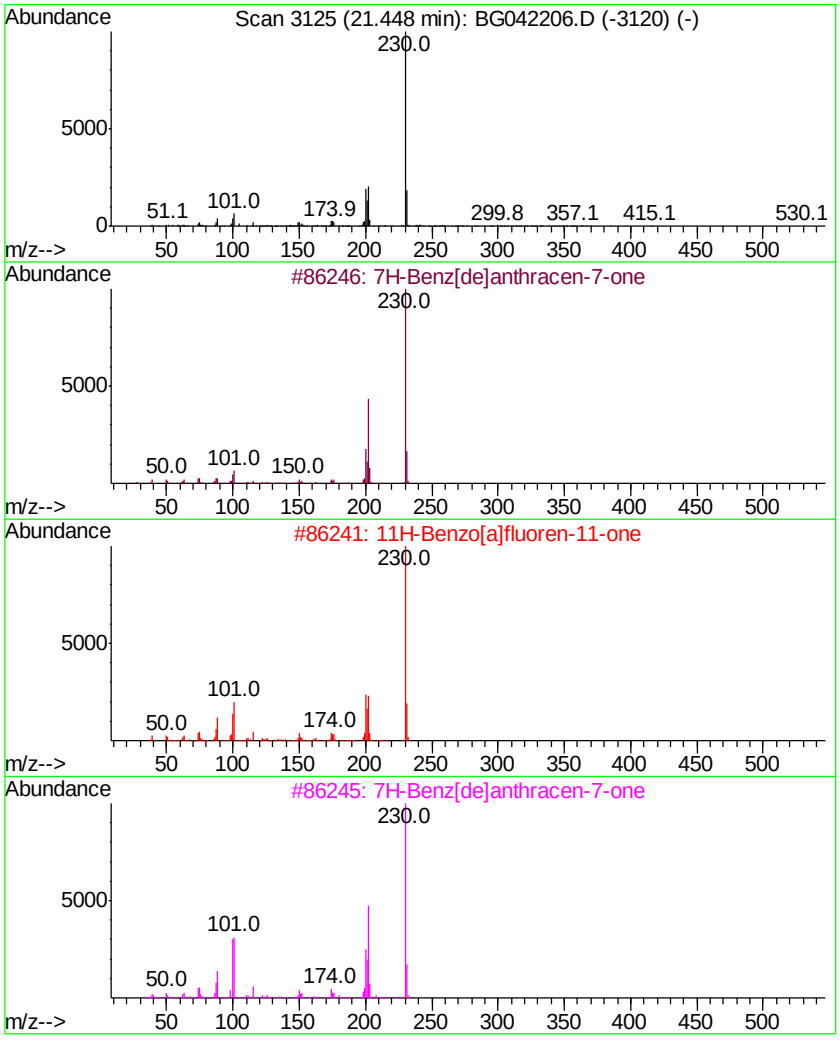
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

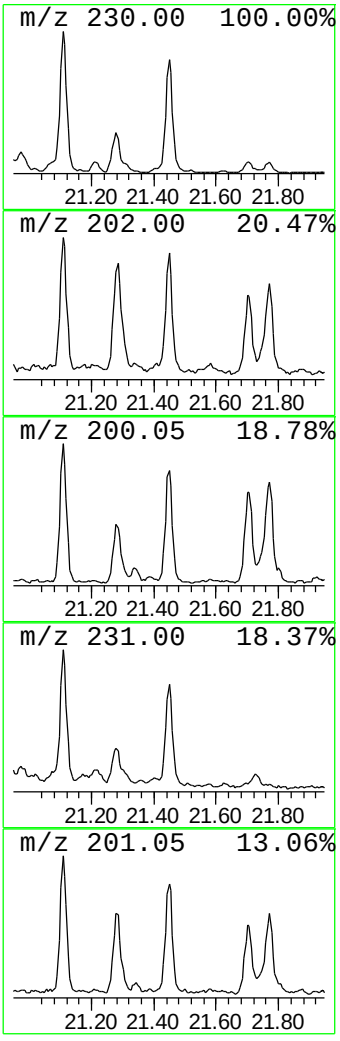
****

Peak Number 27 7H-Benz[de]anthracen-7-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.45	2.82 ng/ul	493105	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	95
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	78
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	68





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042206.D
Acq On : 14 Aug 2019 11:54
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

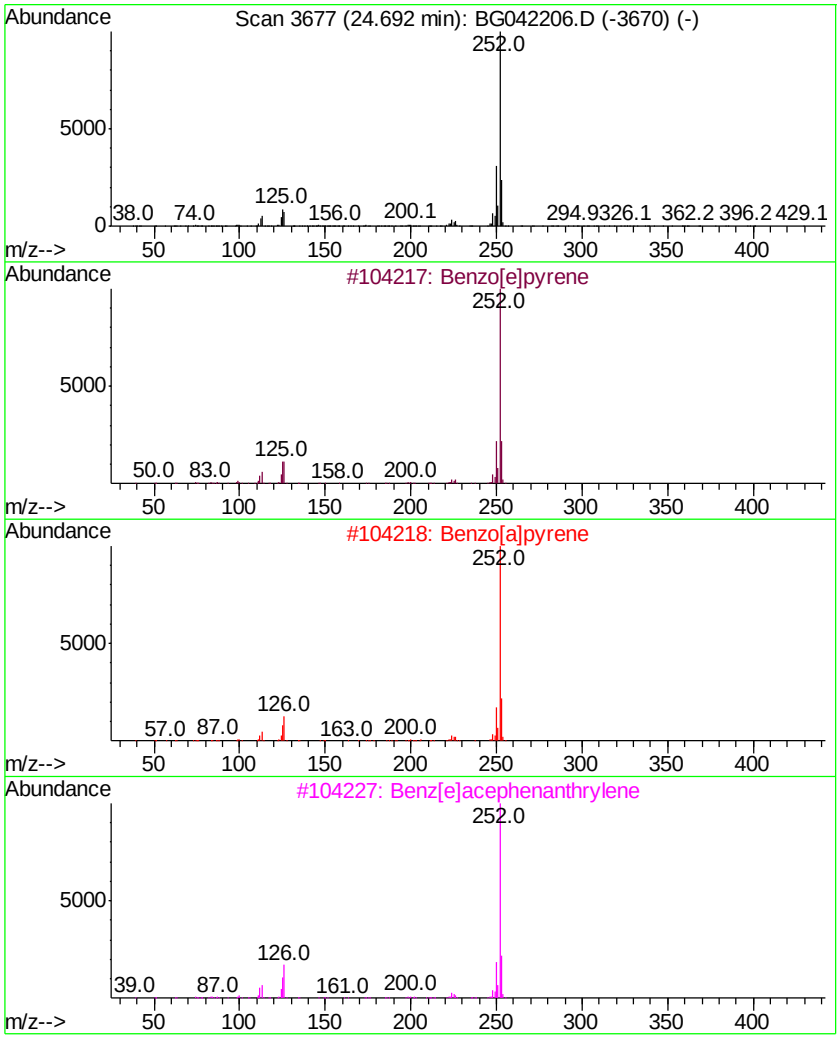
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

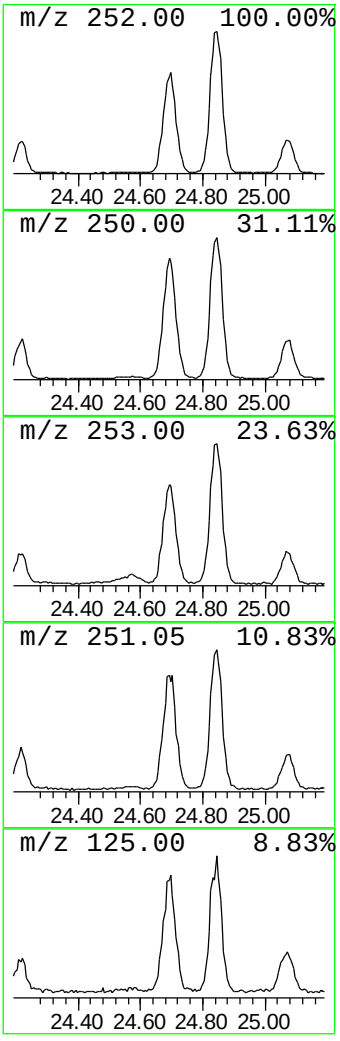
****

Peak Number 28 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.69	12.94 ng/ul	938418	Perylene-d12	25.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042206.D
Acq On : 14 Aug 2019 11:54
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

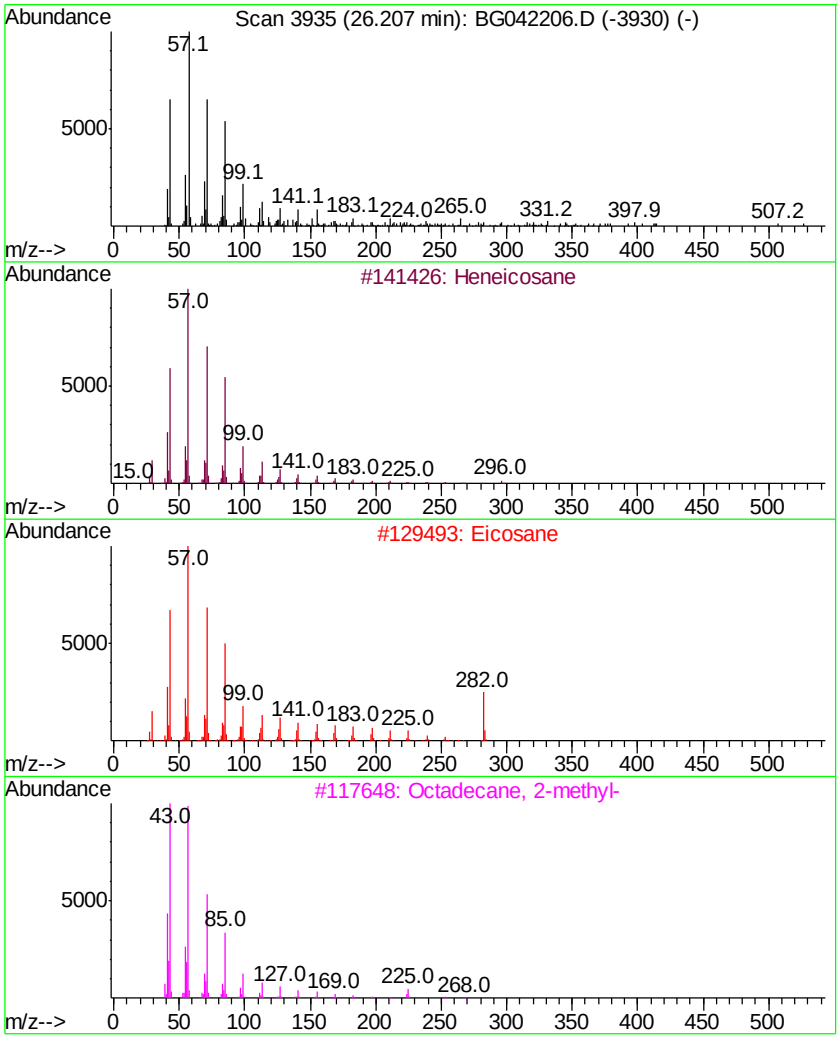
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

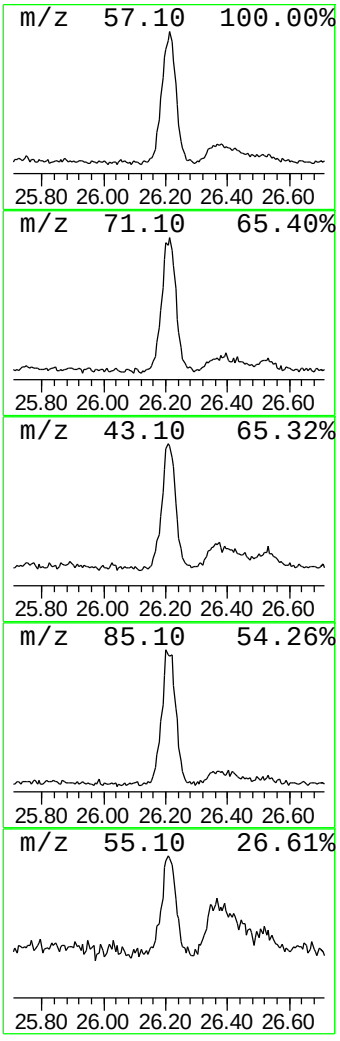
****

Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.21	4.88 ng/ul	354198	Perylene-d12	25.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Eicosane	282	C20H42	000112-95-8	91
3	Octadecane, 2-methyl-	268	C19H40	001560-88-9	87
4	Heneicosane, 10-methyl-	310	C22H46	013287-25-7	83
5	5-Ethyl-5-methylnonadecane	310	C22H46	1000360-42-7	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042206.D
Acq On : 14 Aug 2019 11:54
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

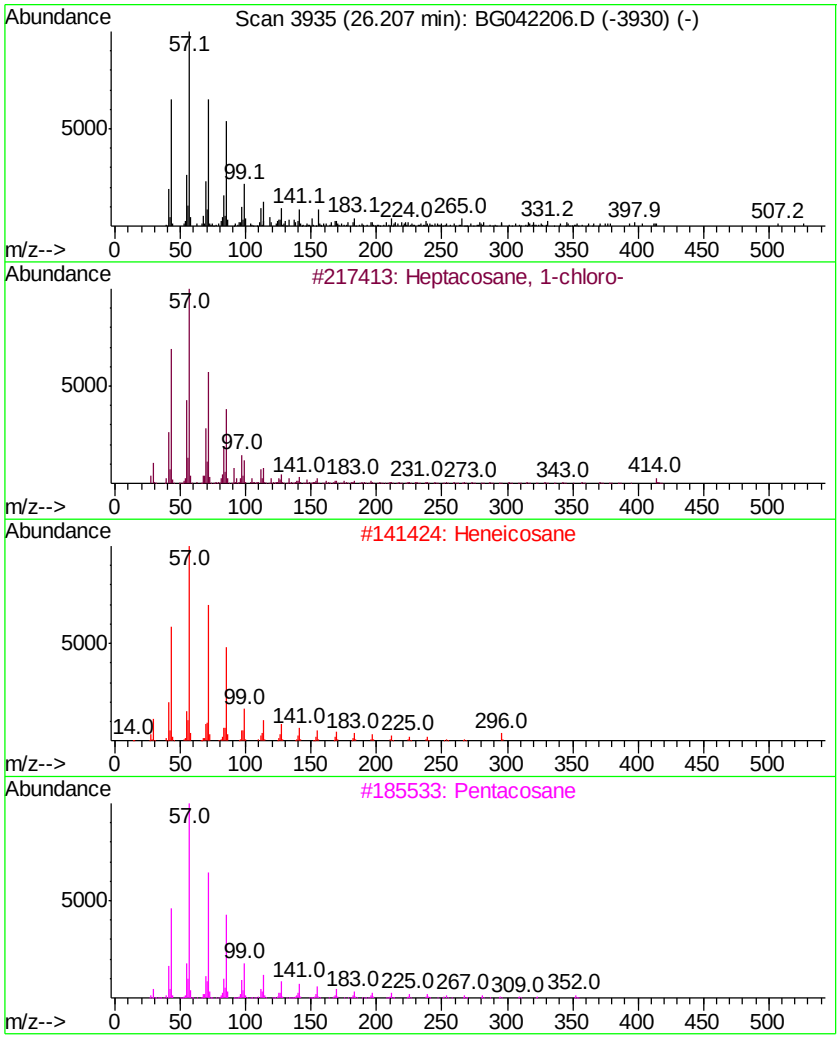
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

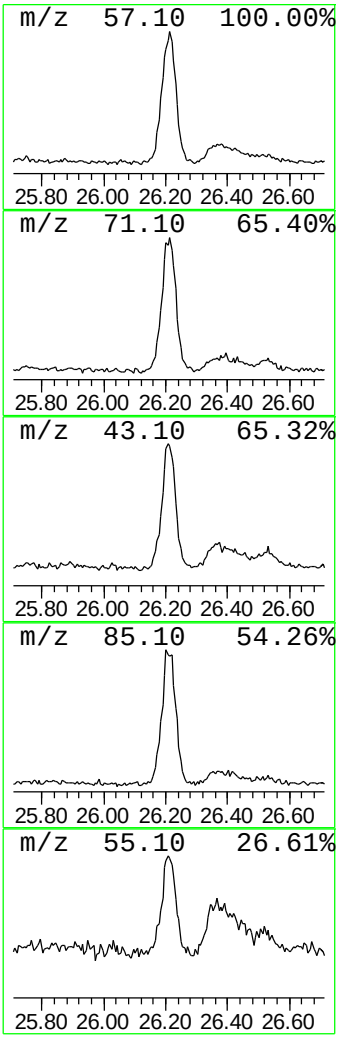
****

Peak Number 30 Heptacosane, 1-chloro- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.21	4.88 ng/ul	354198	Perylene-d12	25.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	96
2	Heneicosane	296	C21H44	000629-94-7	96
3	Pentacosane	352	C25H52	000629-99-2	96
4	Eicosane	282	C20H42	000112-95-8	95
5	Heneicosane	296	C21H44	000629-94-7	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081319\
Data File : BG042206.D
Acq On : 14 Aug 2019 11:54
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5P3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	3.14	131.3	ng/ul	3012970	1	8.02	458965	20.0
Toluene	4.17	4.4	ng/ul	100849	1	8.02	458965	20.0
Bicyclo[4.4.1]und...	12.73	2.4	ng/ul	82813	2	10.85	704443	20.0
(DEL) Alkane: Cyc...	14.01	2.0	ng/ul	105132	3	14.69	1049840	20.0
9H-Fluoren-9-ol	16.03	2.8	ng/ul	147351	3	14.69	1049840	20.0
Dibenzofuran, 4-m...	16.17	3.3	ng/ul	201065	4	17.44	1223340	20.0
9H-Fluoren-9-one	17.09	4.6	ng/ul	280124	4	17.44	1223340	20.0
Dibenzothiophene	17.25	3.6	ng/ul	219368	4	17.44	1223340	20.0
Dibenzothiophene,...	18.02	2.4	ng/ul	146050	4	17.44	1223340	20.0
Anthracene, 9-met...	18.32	8.5	ng/ul	518376	4	17.44	1223340	20.0
Phenanthrene, 2-m...	18.36	11.0	ng/ul	673009	4	17.44	1223340	20.0
Phenanthrene, 1-m...	18.45	2.3	ng/ul	140800	4	17.44	1223340	20.0
4H-Cyclopenta[def...	18.51	11.4	ng/ul	696470	4	17.44	1223340	20.0
Phenanthrene, 4-m...	18.55	4.9	ng/ul	300690	4	17.44	1223340	20.0
5,16[1',2']:8,13[...	18.81	5.7	ng/ul	346641	4	17.44	1223340	20.0
9,10-Anthracenedione	18.85	3.4	ng/ul	208367	4	17.44	1223340	20.0
1-Methyl-3-phenyl...	19.06	3.8	ng/ul	231429	4	17.44	1223340	20.0
Phenanthrene, 3,6...	19.23	5.0	ng/ul	305479	4	17.44	1223340	20.0
unknown-01	19.29	2.5	ng/ul	150459	4	17.44	1223340	20.0
Cyclopenta(def)ph...	19.37	4.8	ng/ul	296928	4	17.44	1223340	20.0
11H-Benzo[b]fluorene	20.19	3.1	ng/ul	535900	5	21.72	3498270	20.0
Pyrene, 1-methyl-	20.34	2.8	ng/ul	487641	5	21.72	3498270	20.0
Pyrene, 4-methyl-	20.50	2.4	ng/ul	415466	5	21.72	3498270	20.0
11H-Benzo[a]fluor...	21.11	2.5	ng/ul	443725	5	21.72	3498270	20.0
Cinnamyl cinnamate	21.18	2.2	ng/ul	384264	5	21.72	3498270	20.0
Benzo[b]naphtho[2...	21.30	2.5	ng/ul	438947	5	21.72	3498270	20.0
7H-Benz[de]anthra...	21.45	2.8	ng/ul	493105	5	21.72	3498270	20.0
Benzo[e]pyrene	24.69	12.9	ng/ul	938418	6	25.00	1450940	20.0
(DEL) Alkane: Str...	26.21	4.9	ng/ul	354198	6	25.00	1450940	20.0
Heptacosane, 1-ch...	26.21	4.9	ng/ul	354198	6	25.00	1450940	20.0