LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042199.D
Acq On : 14 Aug 2019 7:24
Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5N6

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	3.141	4	9	29	rVB	2153279	3427714	100.00%	6.617%
2	4.069	163	167	177	rVB2	16030	26895	0.78%	0.052%
3	4.169	177	184	191	rBV	59315	91864	2.68%	0.177%
4	7.178	688	696	712	rVB	312452	613735	17.91%	1.185%
5	7.342	717	724	738	rVV	232625	407819	11.90%	0.787%
6	7.554	751	760	772	rVV	345470	620213	18.09%	1.197%
7	8.024	833	840	848	rBV	254025	440989	12.87%	0.851%
8	8.735	952	961	972	rBV	423504	769562	22.45%	1.486%
9	9.187	1030	1038	1048	rBV	312297	569829	16.62%	1.100%
10	9.351	1061	1066	1075	rVB2	55448	90413	2.64%	0.175%
11	9.921	1155	1163	1176	rBV	281582	521835	15.22%	1.007%
12	10.468	1248	1256	1270	rBV	476587	898501	26.21%	1.734%
13	10.850	1311	1321	1326	rBV	355103	662026	19.31%	1.278%
14	10.897	1326	1329	1333	rVV2	34062	57915	1.69%	0.112%
15	10.979	1333	1343	1356	rVB	388315	752572	21.96%	1.453%
16	12.512	1597	1604	1611	rVV	27943	50013	1.46%	0.097%
17	12.730	1635	1641	1647	rBV2	21585	37528	1.09%	0.072%
18	13.864	1824	1834	1841	rBV4	13569	34988	1.02%	0.068%
19	14.005	1853	1858	1863	rVV2	26679	46004	1.34%	0.089%
20	14.087	1863	1872	1876	rVV	857578	1345042	39.24%	2.596%
21	14.128	1876	1879	1885	rVV	182114	256092	7.47%	0.494%
22	14.381	1911	1922	1933	rBV	1039045	1766940	51.55%	3.411%
23	14.686	1965	1974	1980	rBV	615612	1007297	29.39%	1.944%
24	14.745	1980	1984	1992	rVB	62378	109635	3.20%	0.212%
25	14.880	2001	2007	2019	rBV	256154	508325	14.83%	0.981%
26	15.086	2036	2042	2049	rVB	59657	105677	3.08%	0.204%
27	15.356	2083	2088	2094	rVB5	19180	31061	0.91%	0.060%
28	15.480	2102	2109	2116	rBV3	21960	50315	1.47%	0.097%
29	15.679	2134	2143	2149	rBV	1384638	2134752	62.28%	4.121%
30	15.732	2149	2152	2157	rVB	65583	93618	2.73%	0.181%
31	15.797	2158	2163	2171	rBV	280410	448003	13.07%	0.865%
32	15.920	2177	2184	2186	rBV5	18556	38331	1.12%	0.074%
33	16.032	2198	2203	2209	rVB	35263	59500	1.74%	0.115%
34	16.179	2219	2228	2234	rBV	32760	76555	2.23%	0.148%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042199.D
Acq On : 14 Aug 2019 7:24
Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5N6

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	16.243	2235	2239	2249	rVB5	20457	44283	1.29%	0.085%
36	16.402	2261	2266	2274	rBV7	30568	69222	2.02%	0.134%
37	16.743	2321	2324	2329	rVV4	21405	38094	1.11%	0.074%
38	16.972	2354	2363	2366	rBV3	27128	50678	1.48%	0.098%
39	17.089	2377	2383	2391	rVB	59927	98837	2.88%	0.191%
40	17.189	2392	2400	2404	rBV3	36761	79175	2.31%	0.153%
41	17.254	2407	2411	2420	rVB	53783	96729	2.82%	0.187%
42	17.436	2435	2442	2446	rBV2	740180	1189486	34.70%	2.296%
43	17.477	2446	2449	2454	rVB	813622	1168040	34.08%	2.255%
44	17.536	2454	2459	2464	rBV	1329196	2091491	61.02%	4.037%
45	17.836	2505	2510	2516	rBV	83291	152418	4.45%	0.294%
46	18.018	2537	2541	2546	rBV	27616	41964	1.22%	0.081%
47	18.165	2562	2566	2572	rVB	16031	26122	0.76%	0.050%
48	18.317	2587	2592	2596	rBV	130317	191030	5.57%	0.369%
49	18.364	2596	2600	2604	rVV	181470	262930	7.67%	0.508%
50	18.441	2609	2613	2618	rVB	44195	61101	1.78%	0.118%
51	18.511	2618	2625	2629	rBV2	172000	342368	9.99%	0.661%
52	18.547	2629	2631	2638	rVB2	97267	117960	3.44%	0.228%
53	18.623	2639	2644	2647	rBV4	34412	54273	1.58%	0.105%
54	18.811	2671	2676	2680	rVV	107610	162820	4.75%	0.314%
55	18.852	2680	2683	2692	rVV	99698	154405	4.50%	0.298%
56	19.058	2714	2718	2721	rVV	61683	81662	2.38%	0.158%
57	19.111	2724	2727	2730	rVV	43560	55095	1.61%	0.106%
58	19.146	2730	2733	2737	rVB2	30970	41935	1.22%	0.081%
59	19.228	2743	2747	2753	rBV2	82605	150598	4.39%	0.291%
60	19.322	2761	2763	2766	rVB	33506	31006	0.90%	0.060%
61	19.369	2766	2771	2779	rVB	91065	154411	4.50%	0.298%
62	19.492	2784	2792	2797	rBV	1475598	2142446	62.50%	4.136%
63	19.551	2799	2802	2805	rVB	29312	37264	1.09%	0.072%
64	19.592	2806	2809	2813	rVB2	27439	34676	1.01%	0.067%
65	19.639	2813	2817	2820	rBV2	25411	38849	1.13%	0.075%
66	19.680	2821	2824	2828	rBV5	28687	44203	1.29%	0.085%
67	19.733	2830	2833	2837	rVB2	45022	50760	1.48%	0.098%
68	19.827	2842	2849	2852	rBV2	1965475	3302178	96.34%	6.374%
69	19.857	2852	2854	2861	rVV	1263901	1417207	41.35%	2.736%
70	19.927	2861	2866	2872	rVB2	73248	125472	3.66%	0.242%
71	20.033	2879	2884	2890	rVB	74731	120376	3.51%	0.232%

LSC Area Percent Report

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Data File : BG042199.D
Acq On : 14 Aug 2019 7:24
Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5N6

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	20.174	2902	2908	2915	rBV2	110617	312766	9.12%	0.604%
73	20.309	2926	2931	2932	rBV2	80427	112701	3.29%	0.218%
74	20.344	2933	2937	2943	rVB2	209770	355506	10.37%	0.686%
75	20.444	2950	2954	2958	rBV	92680	112160	3.27%	0.217%
76	20.503	2959	2964	2968	rVV2	121992	179005	5.22%	0.346%
77	20.644	2984	2988	2991	rBV	69949	93443	2.73%	0.180%
78	20.685	2992	2995	2999	rVB2	78299	104533	3.05%	0.202%
79	21.108	3063	3067	3074	rVB	156213	245720	7.17%	0.474%
80	21.296	3093	3099	3103	rBV3	99493	196549	5.73%	0.379%
81	21.337	3103	3106	3107	rVV2	104618	116222	3.39%	0.224%
82	21.367	3108	3111	3119	rVV2	239443	597970	17.45%	1.154%
83	21.443	3120	3124	3138	rVB2	175425	372284	10.86%	0.719%
84	21.719	3162	3171	3176	rBV3	1023660	2802613	81.76%	5.410%
85	21.766	3176	3179	3193	rVB	623775	1080381	31.52%	2.086%
86	21.925	3201	3206	3211	rBV	176055	276861	8.08%	0.534%
87	22.131	3237	3241	3246	rBV2	82977	143343	4.18%	0.277%
88	22.460	3294	3297	3304	rVB	102600	158470	4.62%	0.306%
89	22.542	3306	3311	3319	rVB2	238542	425503	12.41%	0.821%
90	23.253	3427	3432	3439	rVB	232542	437921	12.78%	0.845%
91	23.599	3487	3491	3499	rVB8	91510	195052	5.69%	0.377%
92	23.952	3543	3551	3559	rBV	473678	1604727	46.82%	3.098%
93	24.075	3567	3572	3579	rVB	298009	616289	17.98%	1.190%
94	24.692	3669	3677	3682	rBV	232803	632783	18.46%	1.222%
95	24.775	3683	3691	3697	rVV	885666	2283000	66.60%	4.407%
96	24.839	3698	3702	3716	rVB	411810	1005132	29.32%	1.940%
97	24.992	3719	3728	3734	rBV	491401	1452492	42.37%	2.804%
98	26.208	3926	3935	3948	rVB2	302893	942843	27.51%	1.820%
99	31.972	4903	4916	4936	rVB6	393065	2197948	64.12%	4.243%
100	32.524	5001	5010	5011	rBV4	117369	275932	8.05%	0.533%

Sum of corrected areas: 51803271

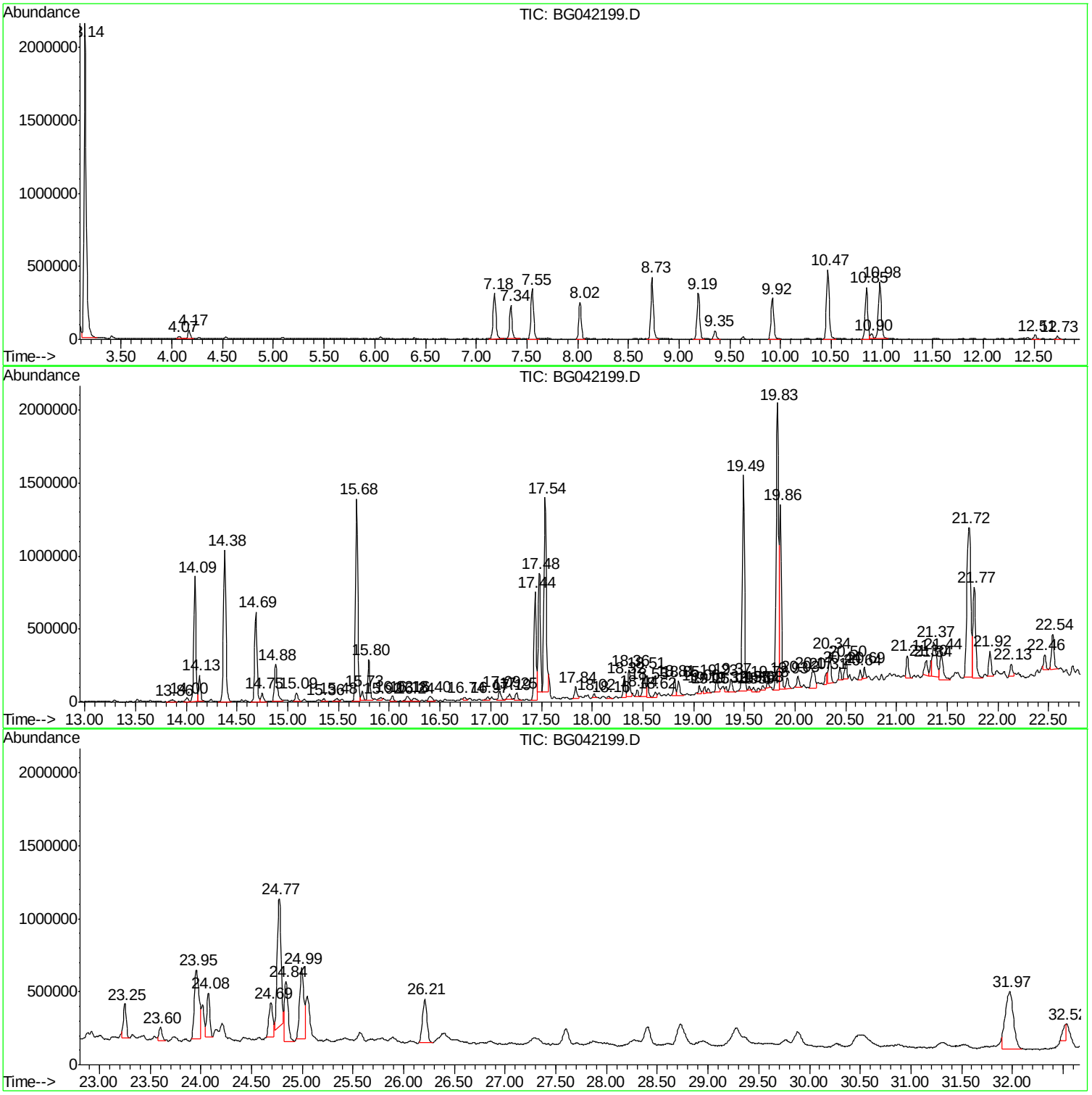
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042199.D
Acq On : 14 Aug 2019 7:24
Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5N6

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042199.D
Acq On : 14 Aug 2019 7:24
Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5N6

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

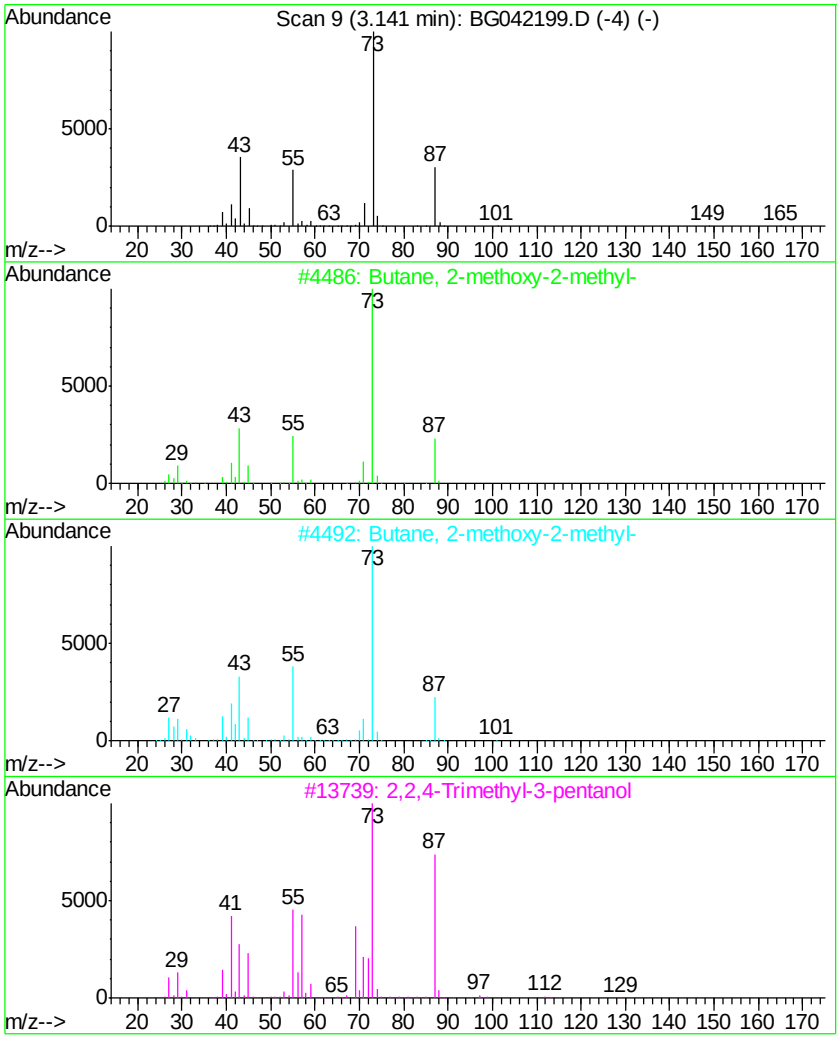
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

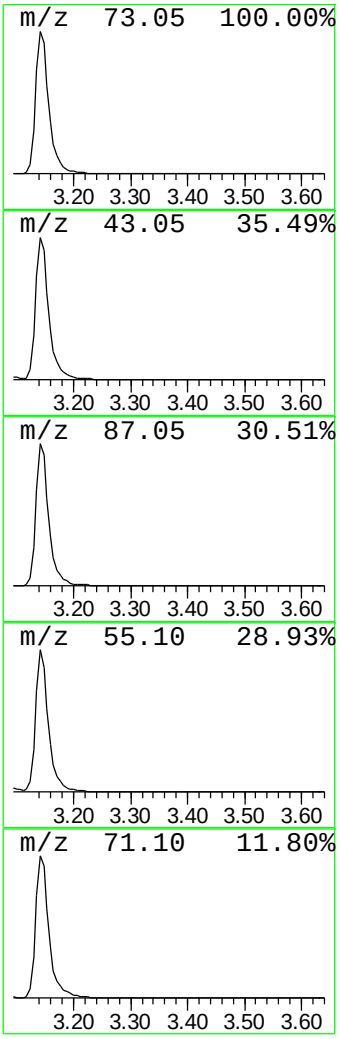
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	155.46 ng/ul	3427710	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	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	45
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042199.D
Acq On : 14 Aug 2019 7:24
Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5N6

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

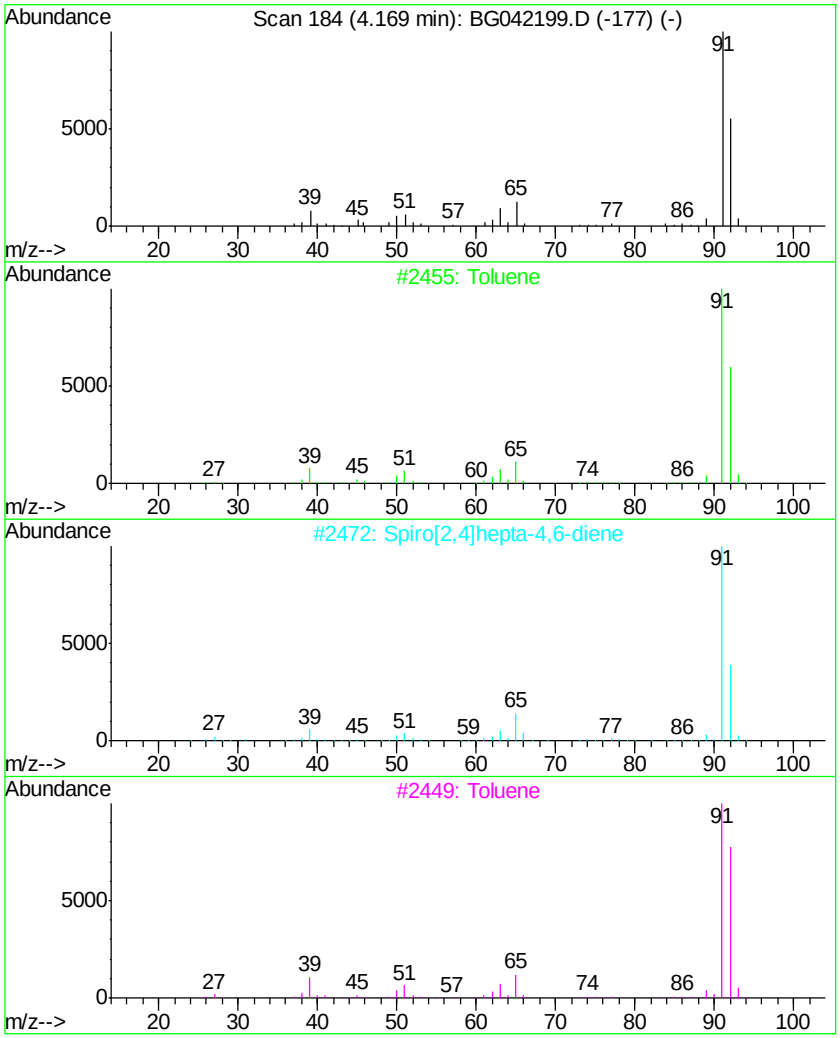
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

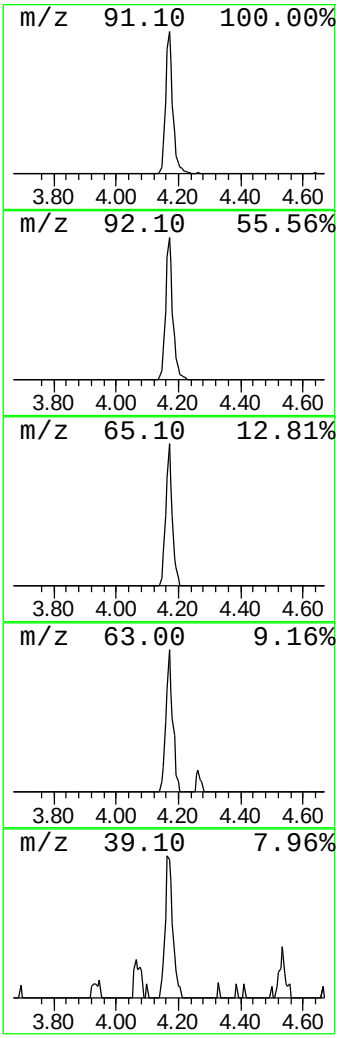
****

Peak Number 2 Spiro[2,4]hepta-4,6-diene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.17	4.17 ng/ul	91864	1,4-Dichlorobenzene-d4	8.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	94
2	Spiro[2,4]hepta-4,6-diene	92	C7H8	000765-46-8	90
3	Toluene	92	C7H8	000108-88-3	90
4	Toluene	92	C7H8	000108-88-3	87
5	Toluene	92	C7H8	000108-88-3	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042199.D
Acq On : 14 Aug 2019 7:24
Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5N6

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

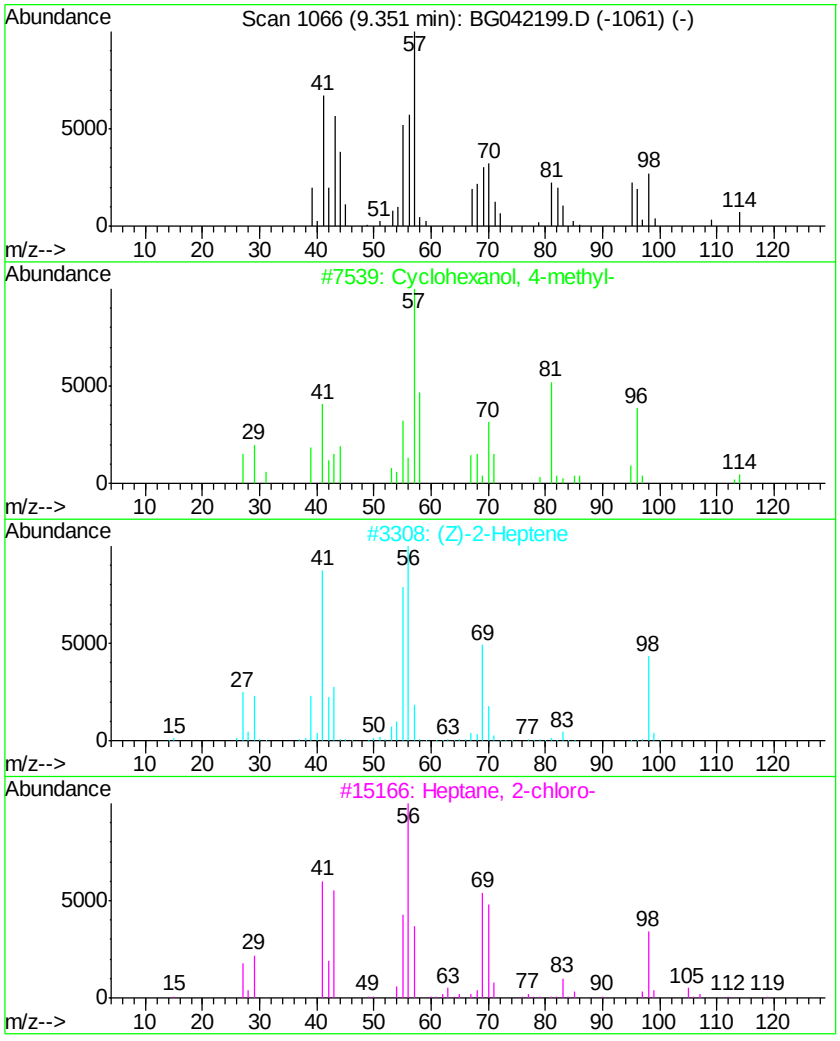
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

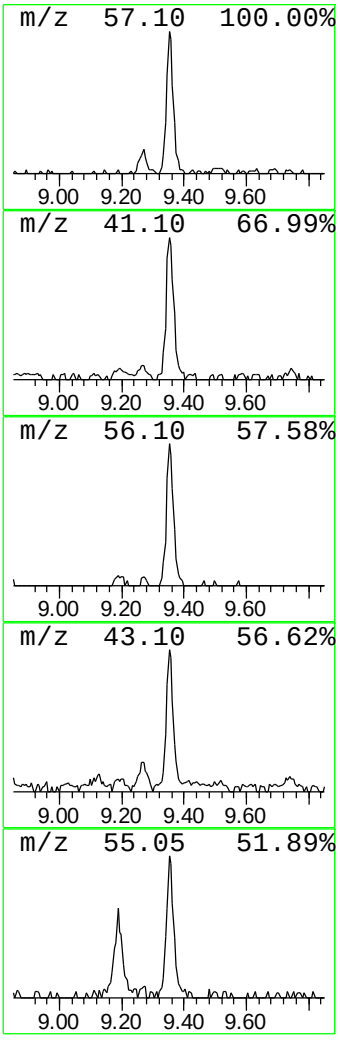
****

Peak Number 3 unknown-01 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.35	4.10 ng/ul	90413	1,4-Dichlorobenzene-d4	8.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanol, 4-methyl-	114	C7H14O	000589-91-3	35
2	(Z)-2-Heptene	98	C7H14	006443-92-1	30
3	Heptane, 2-chloro-	134	C7H15Cl	001001-89-4	27
4	2-Heptene	98	C7H14	000592-77-8	27
5	2-Heptene, (E)-	98	C7H14	014686-13-6	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042199.D
Acq On : 14 Aug 2019 7:24
Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5N6

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

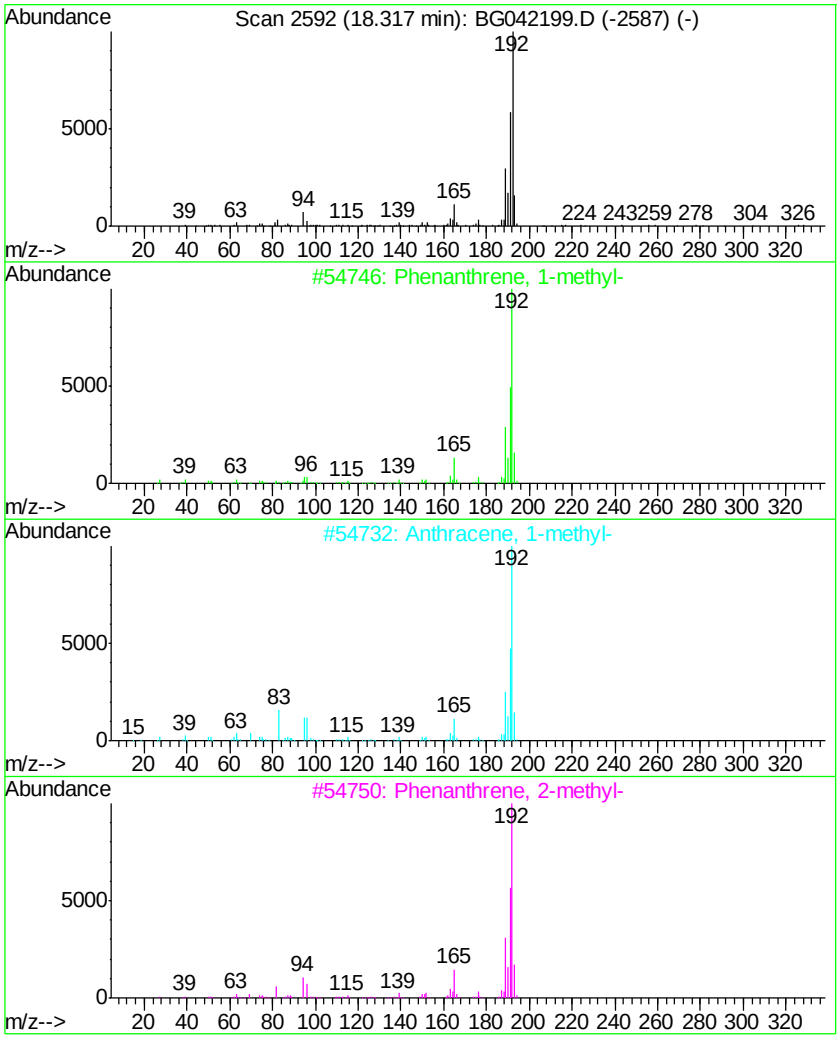
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

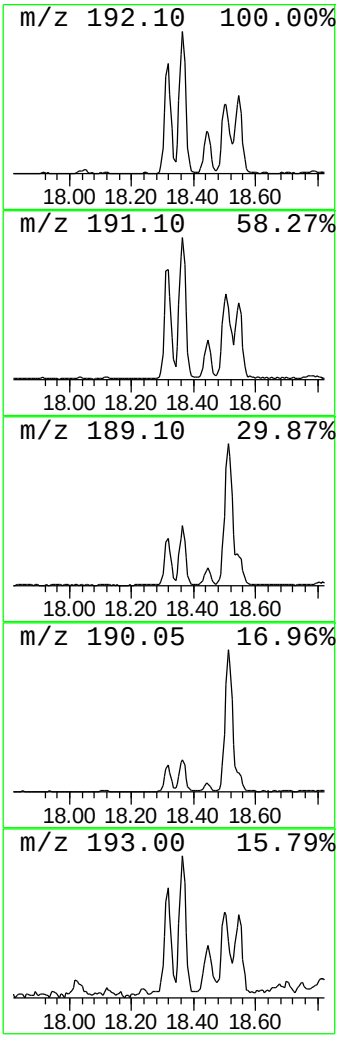
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	3.21 ng/ul	191030	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042199.D
Acq On : 14 Aug 2019 7:24
Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5N6

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

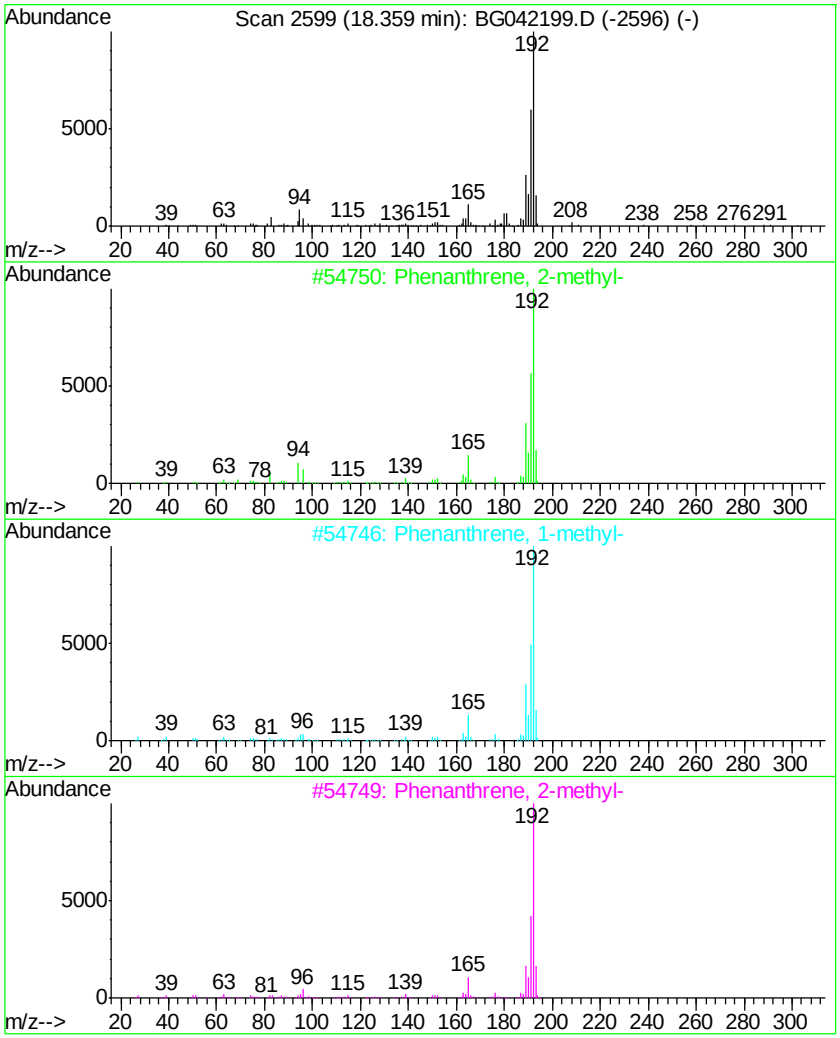
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

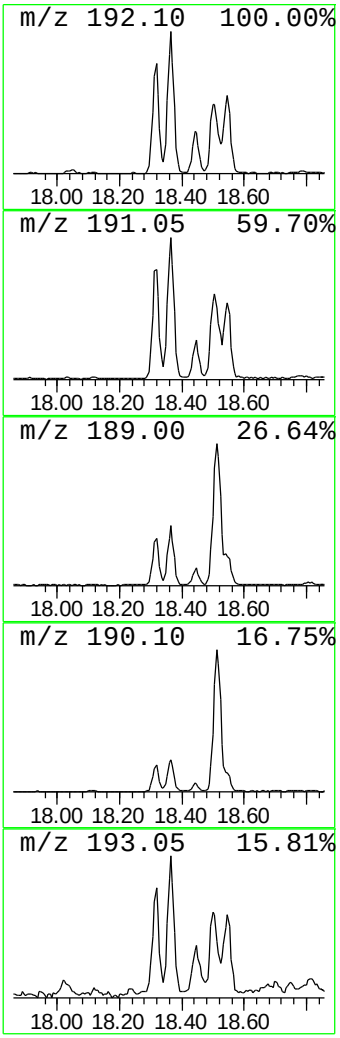
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	4.42 ng/ul	262930	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	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





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Sample : K4304-05
Misc :
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Instrument : BNA_G
ClientSampleId : CB5N6

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Quant Title : SVOA CALIBRATION

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

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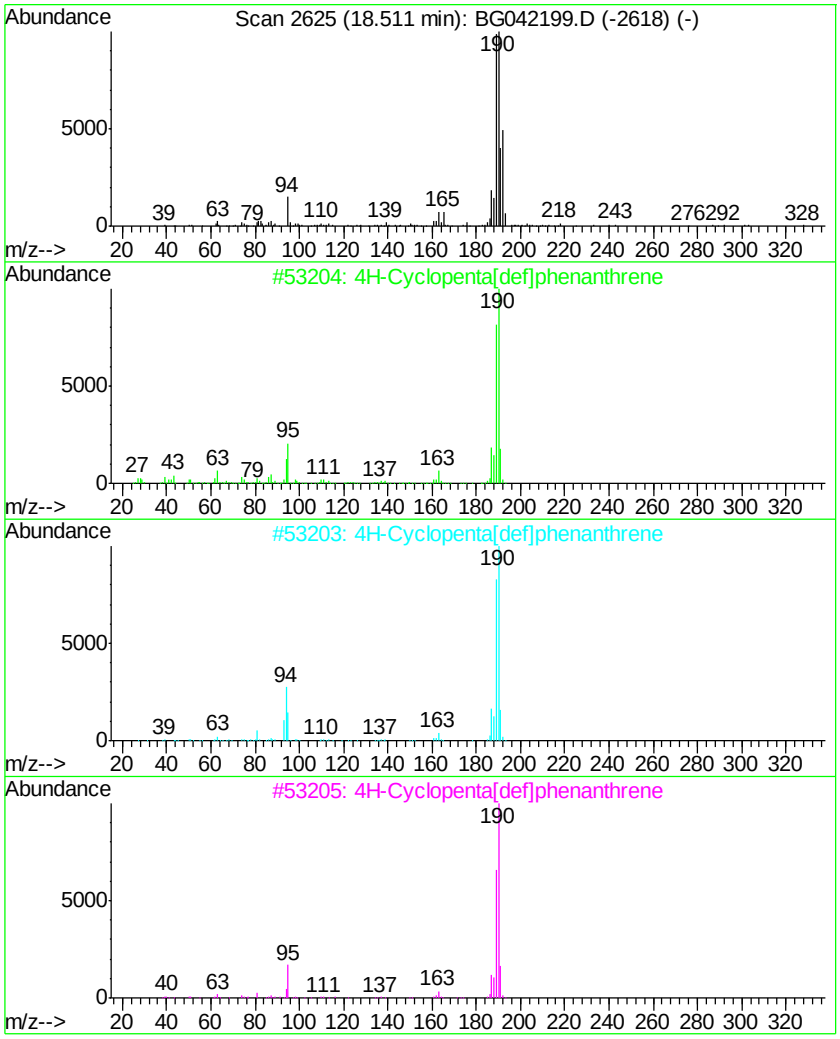
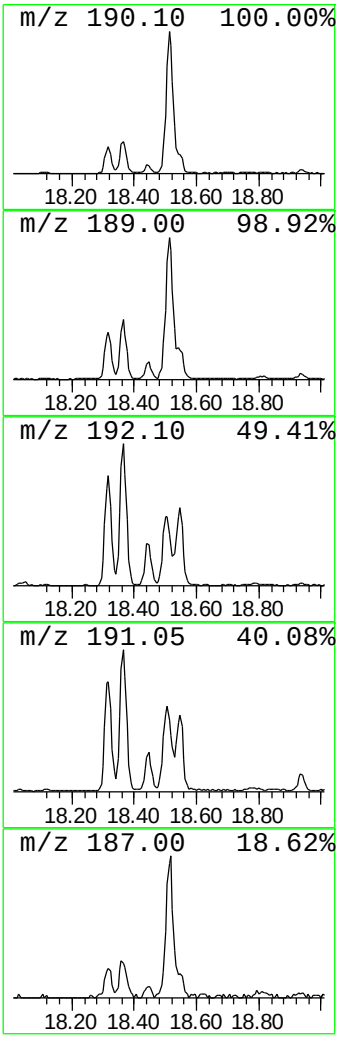
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	5.76 ng/ul	342368	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	86
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	32





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ClientSampleId : CB5N6

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Quant Title : SVOA CALIBRATION

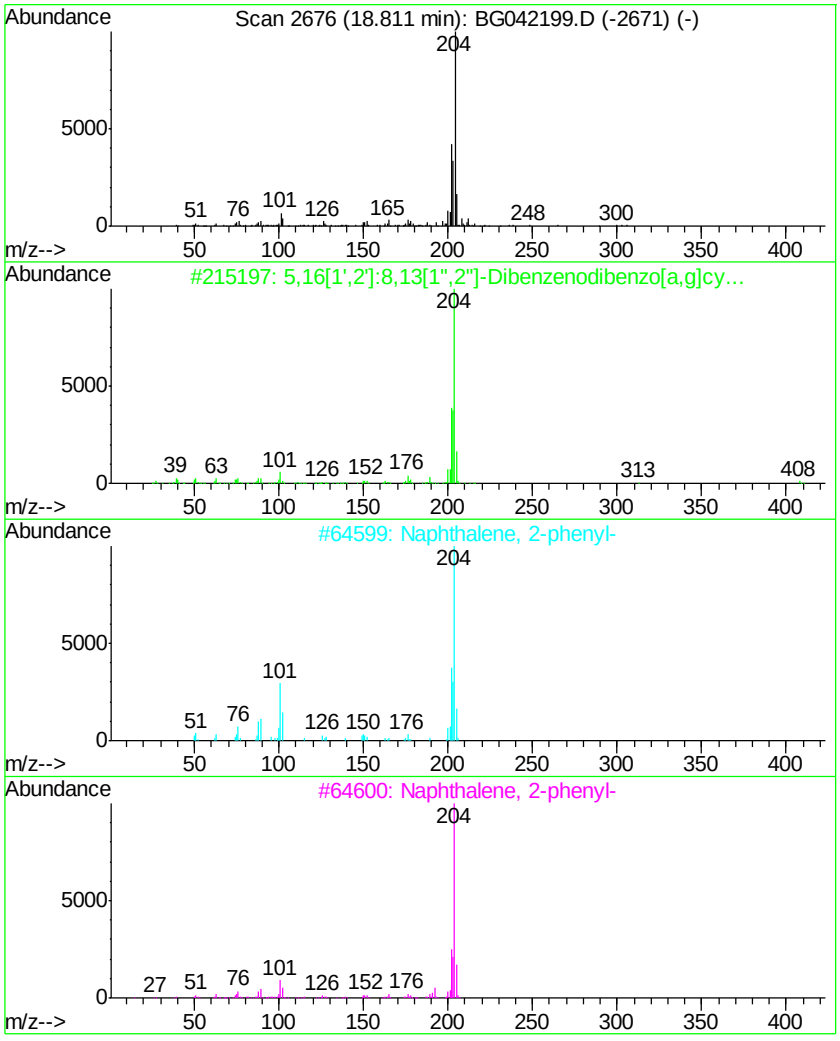
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

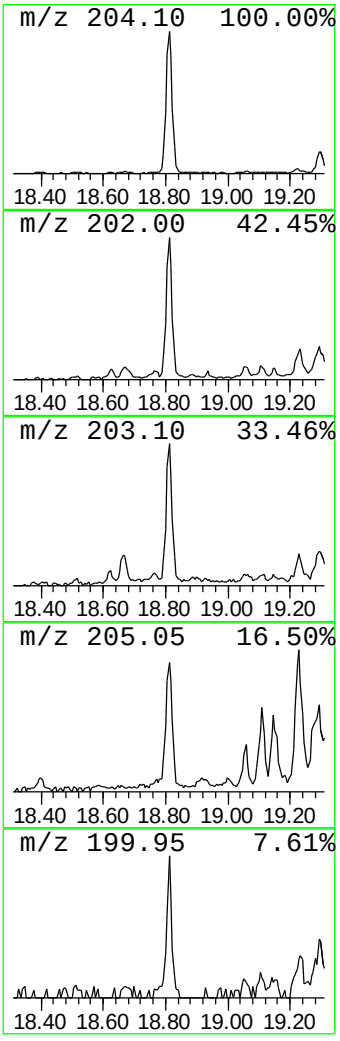
****

Peak Number 7 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	2.74 ng/ul	162820	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	87
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58





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Quant Title : SVOA CALIBRATION

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

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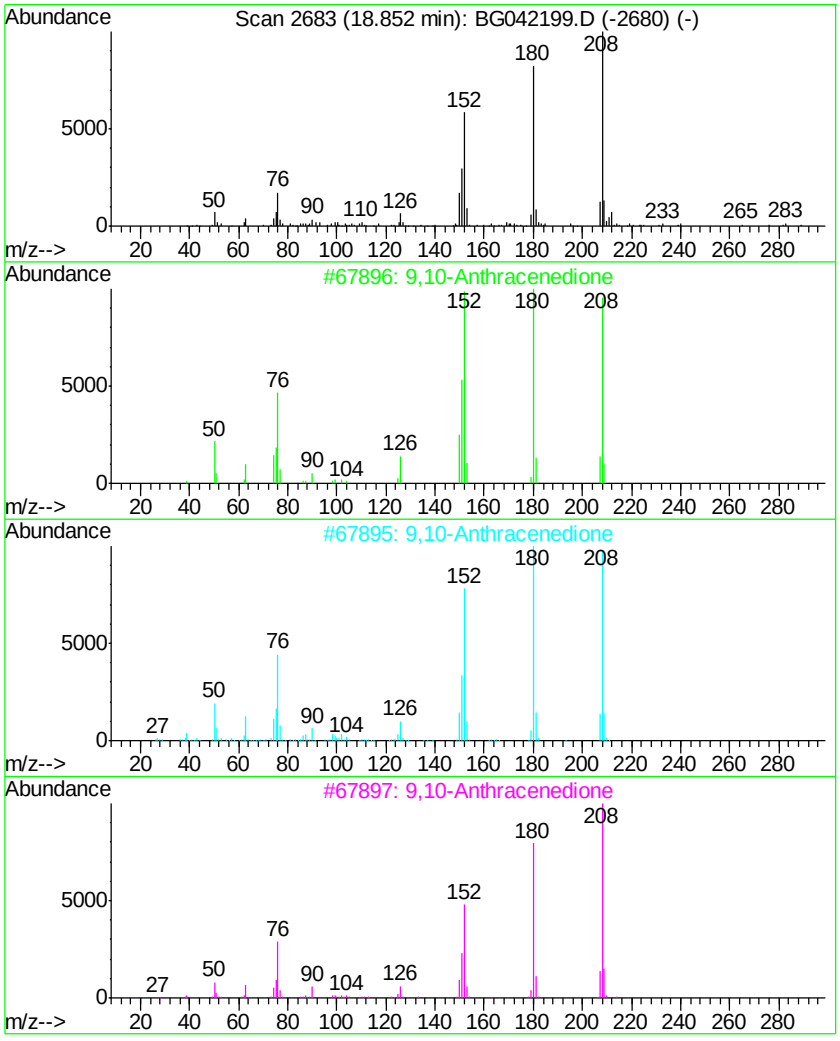
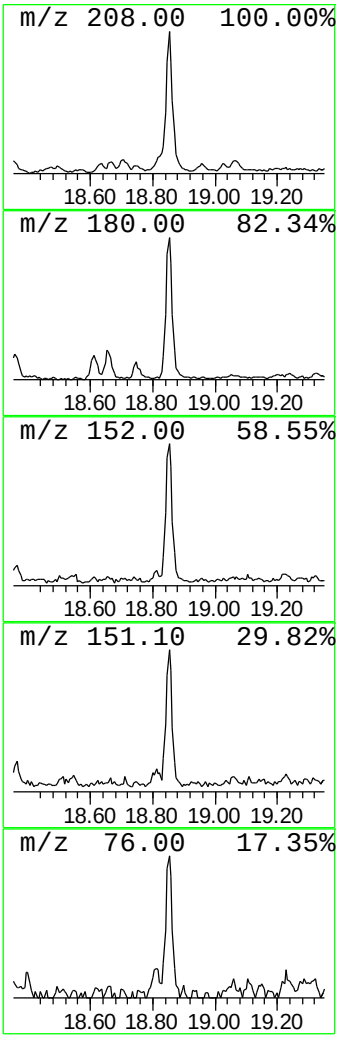
Peak Number 8 9,10-Anthracenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	2.60 ng/ul	154405	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55





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Quant Title : SVOA CALIBRATION

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

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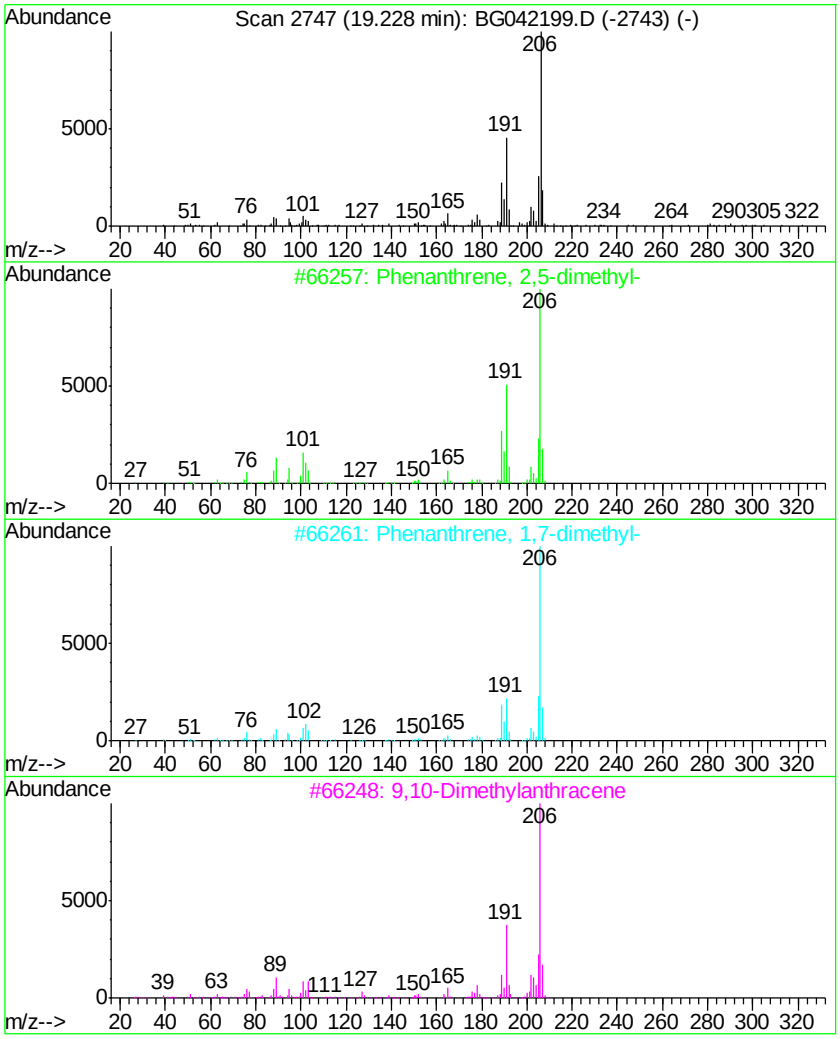
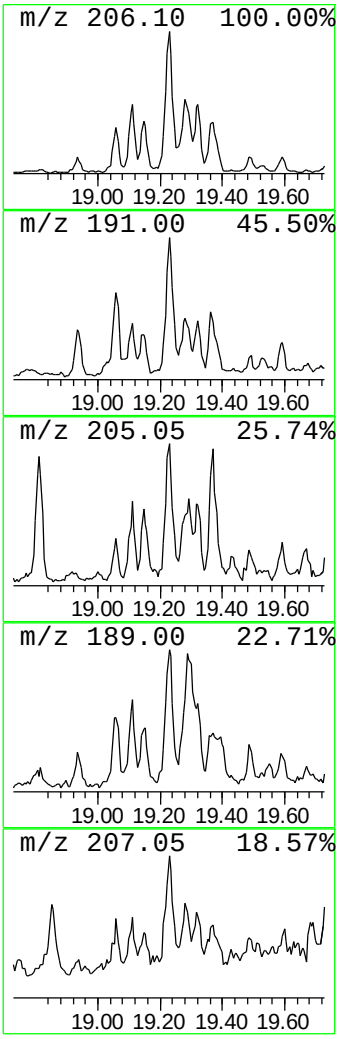
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	2.53 ng/ul	150598	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	81





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Quant Title : SVOA CALIBRATION

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

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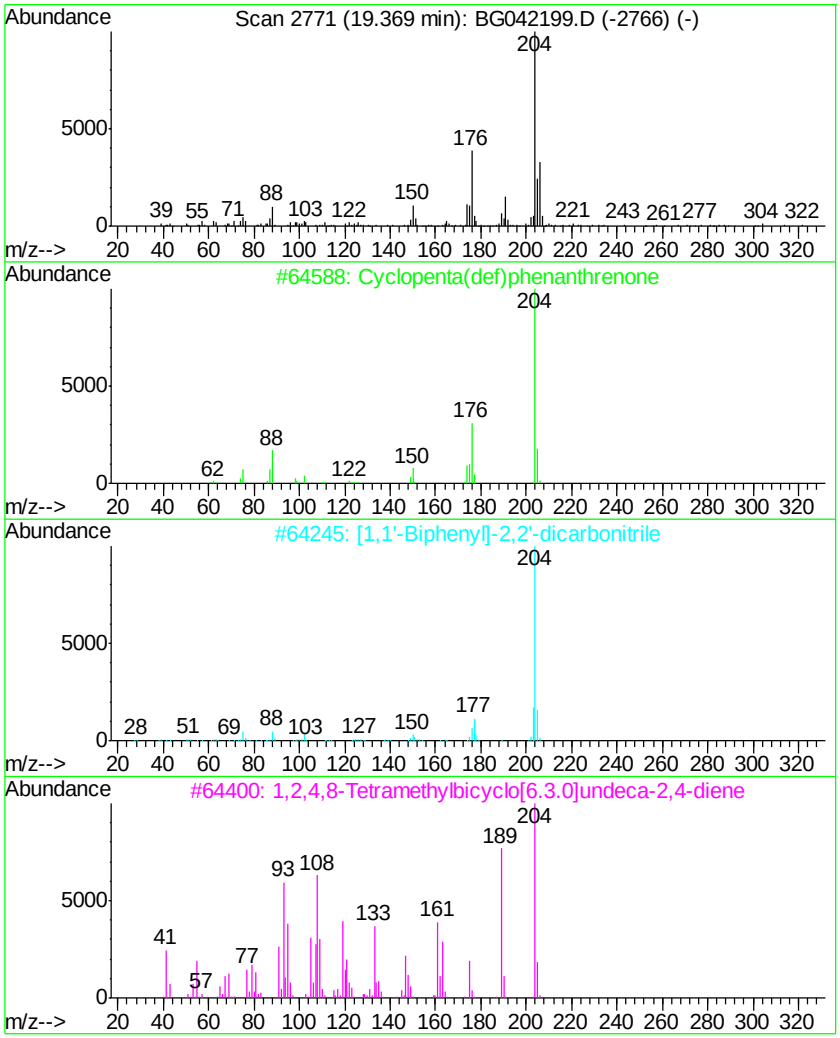
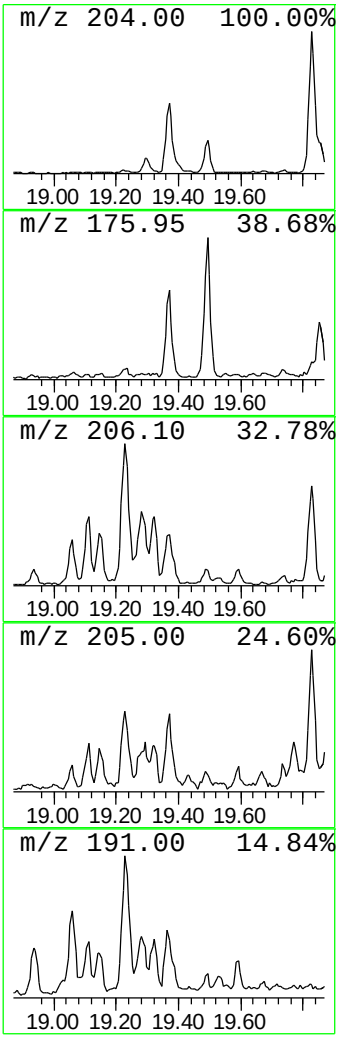
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.37	2.60 ng/ul	154411	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	38





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Quant Title : SVOA CALIBRATION

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

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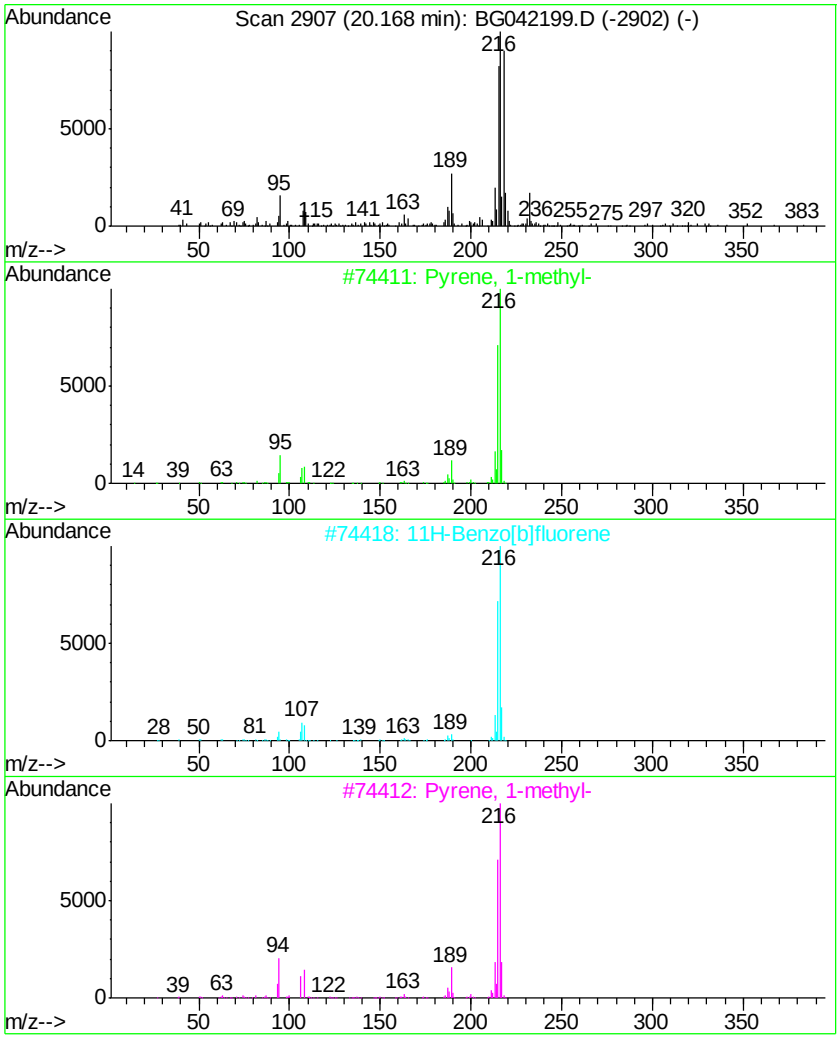
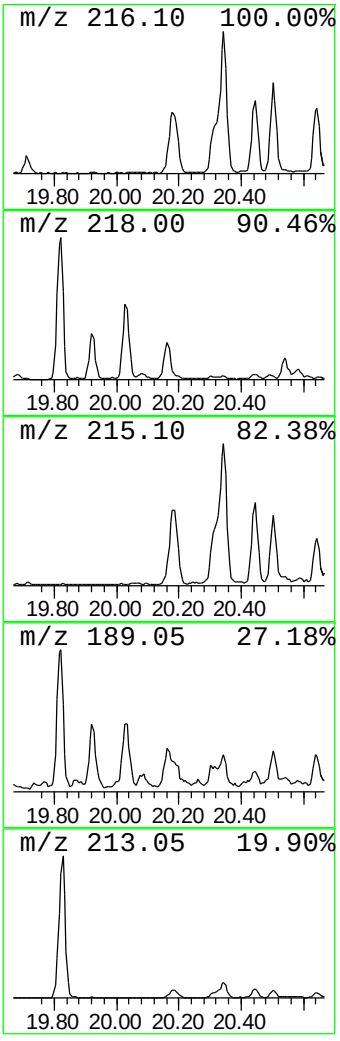
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.17	2.23 ng/ul	312766	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74





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Misc :
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Instrument : BNA_G
ClientSampleId : CB5N6

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Quant Title : SVOA CALIBRATION

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

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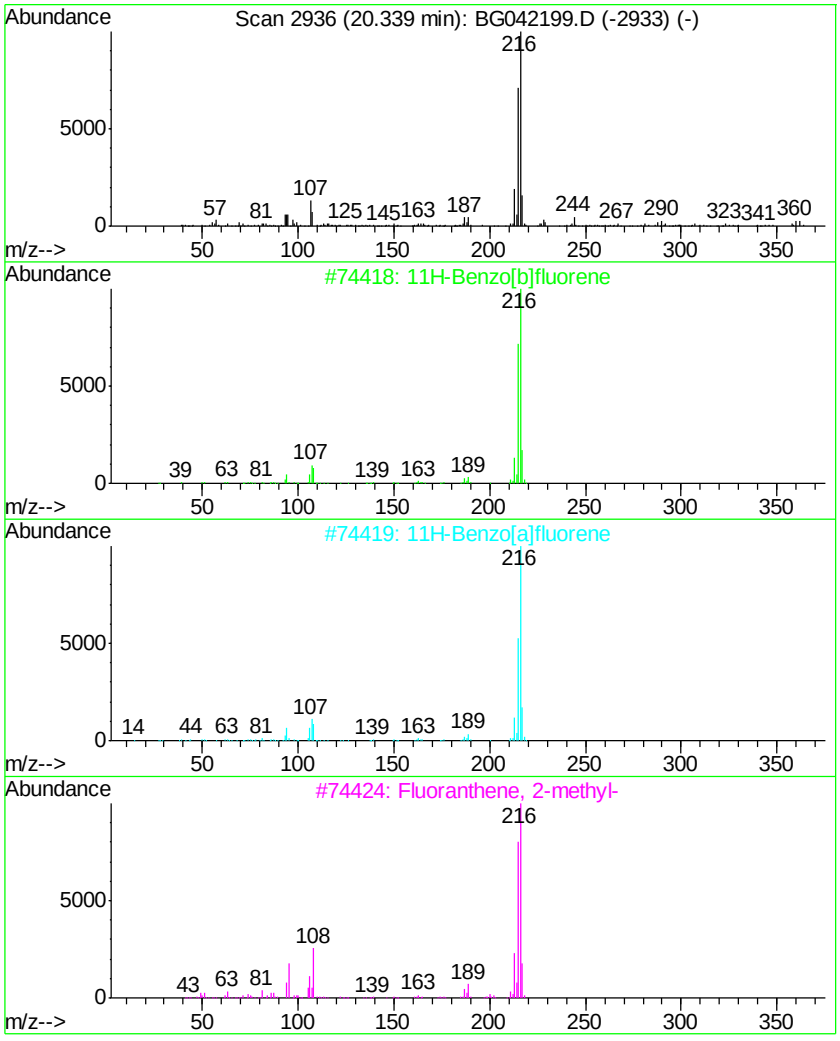
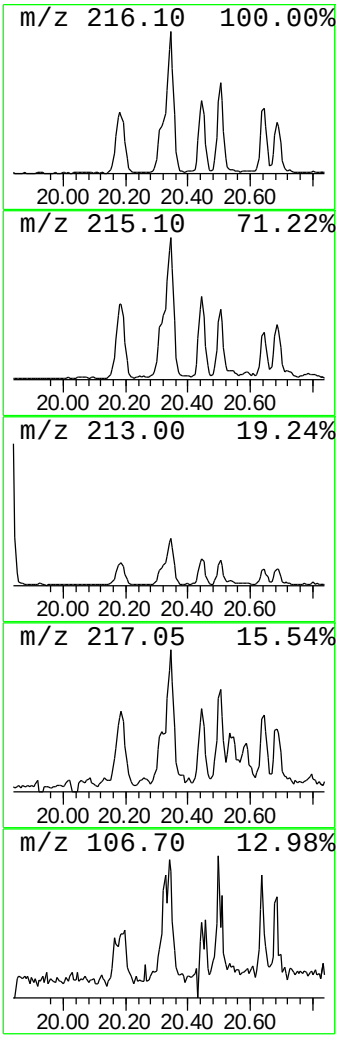
Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.34	2.54 ng/ul	355506	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	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87





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Quant Title : SVOA CALIBRATION

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

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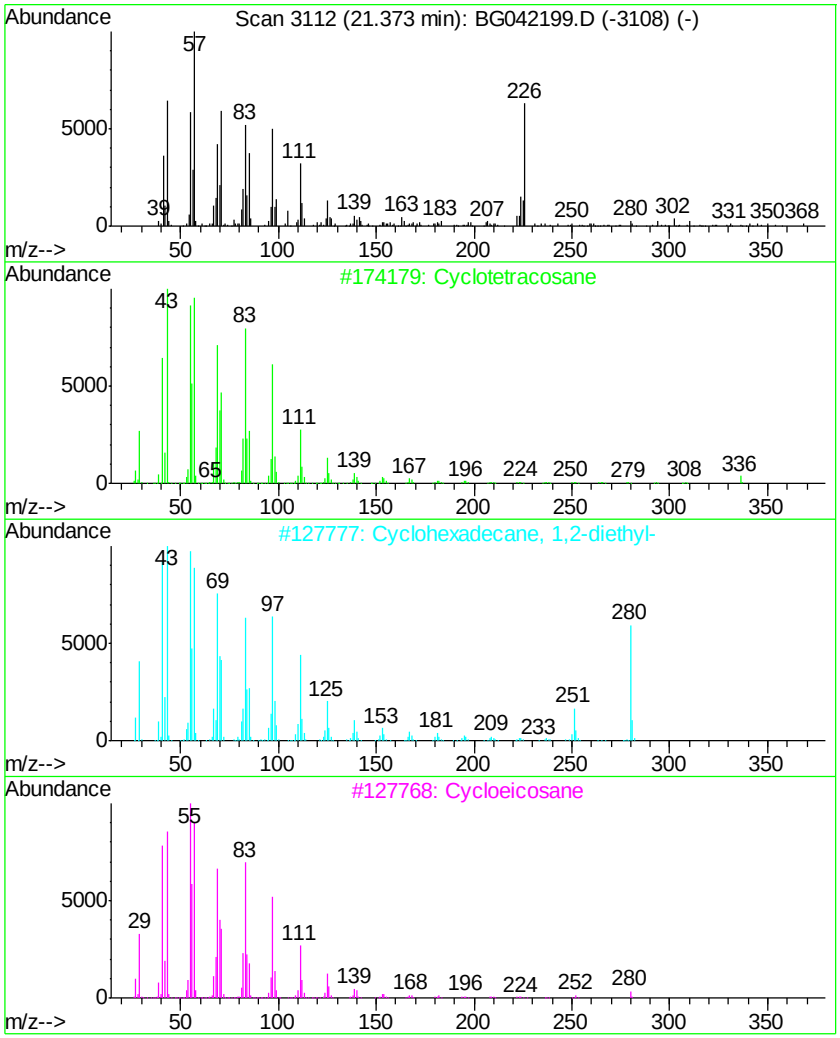
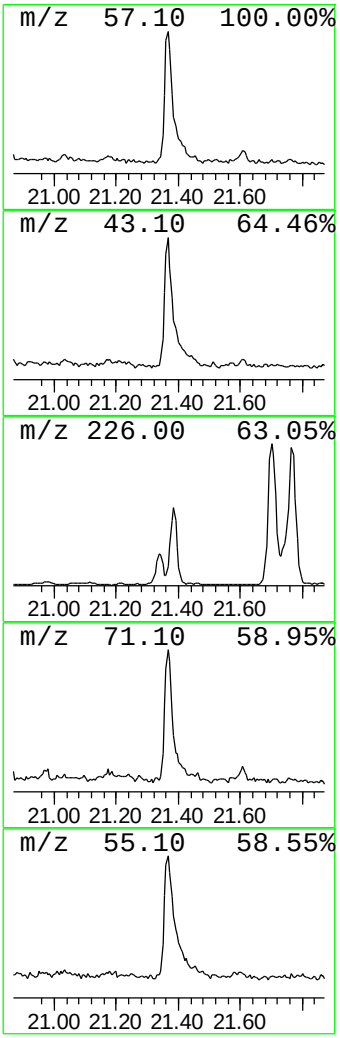
Peak Number 13 (DEL) Alkane: Cyclic21.37 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.37	4.27 ng/ul	597970	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetracosane	336	C24H48	000297-03-0	97
2	Cyclohexadecane, 1,2-diethyl-	280	C20H40	1000155-85-3	95
3	Cycloeicosane	280	C20H40	000296-56-0	95
4	1-Eicosene	280	C20H40	003452-07-1	93
5	Triacontyl heptafluorobutyrate	634	C34H61F7O2	1000351-83-2	91





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Quant Title : SVOA CALIBRATION

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

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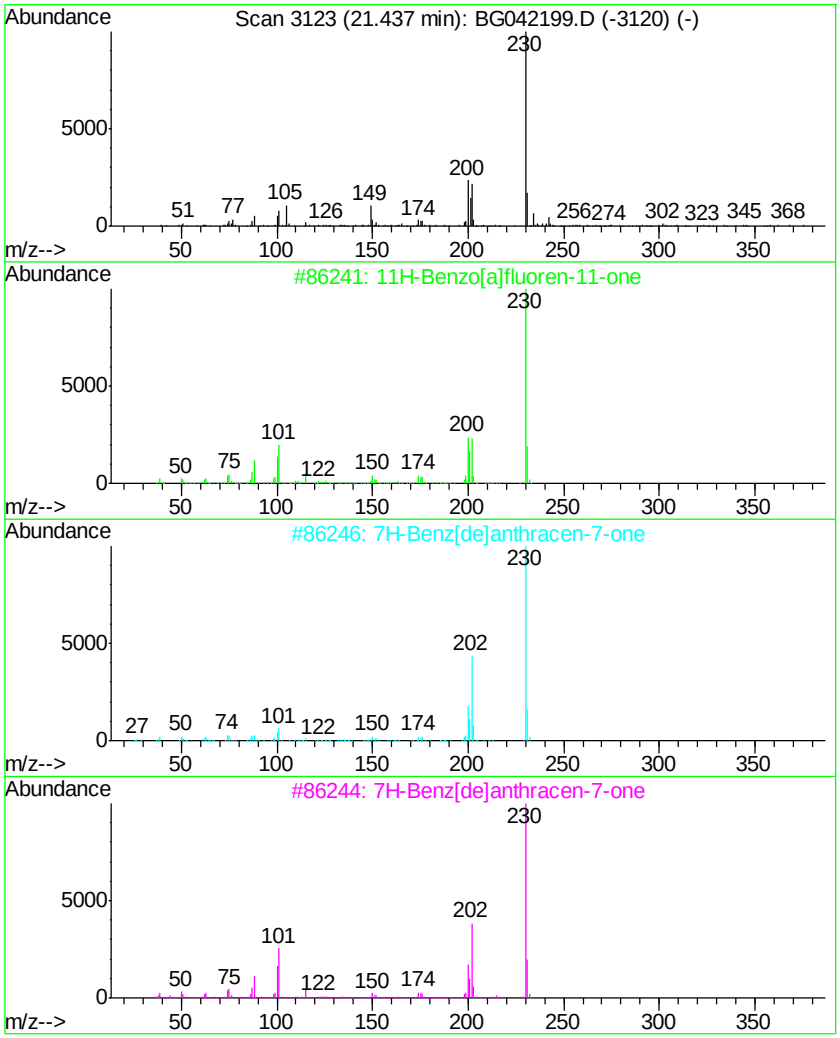
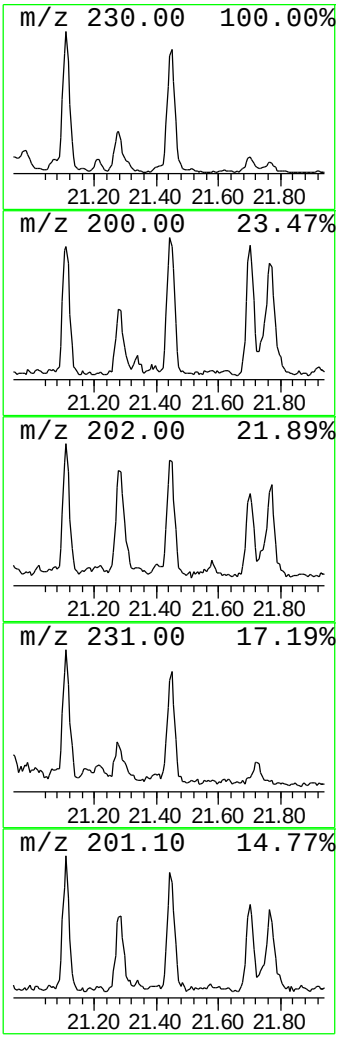
Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.44	2.66 ng/ul	372284	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	93
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	86
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72
4	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	64
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	59





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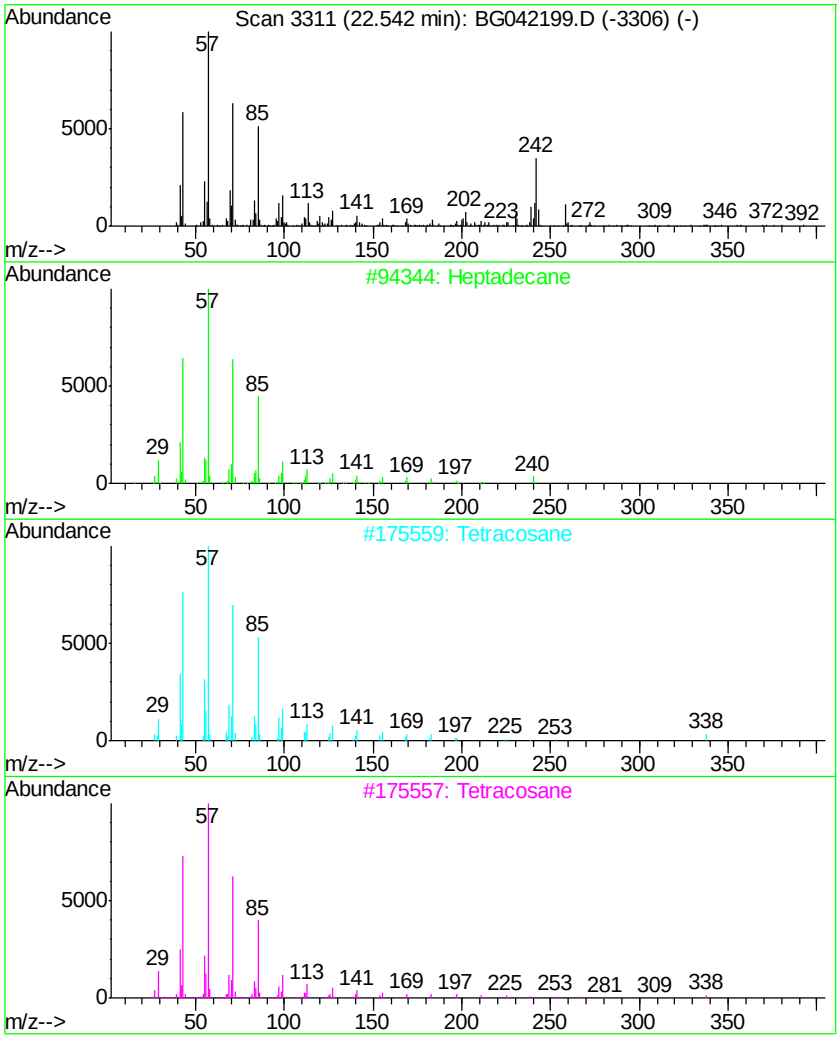
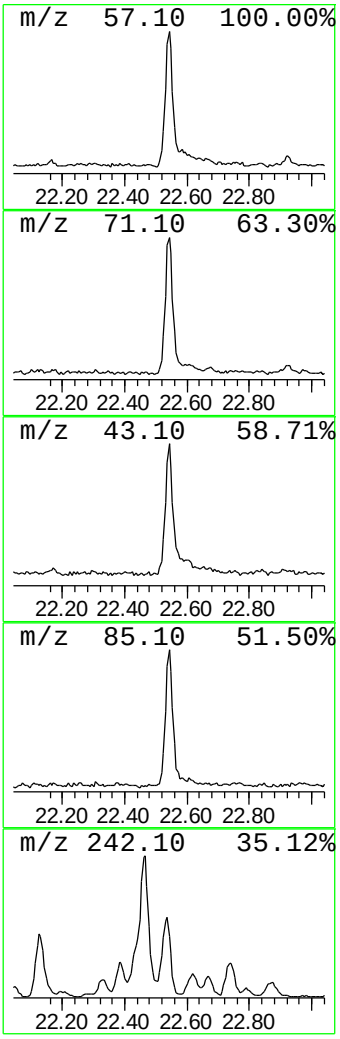
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.54	3.04 ng/ul	425503	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	96
2	Tetracosane	338	C24H50	000646-31-1	95
3	Tetracosane	338	C24H50	000646-31-1	95
4	Tetracosane	338	C24H50	000646-31-1	95
5	Hexadecane	226	C16H34	000544-76-3	91





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Quant Title : SVOA CALIBRATION

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

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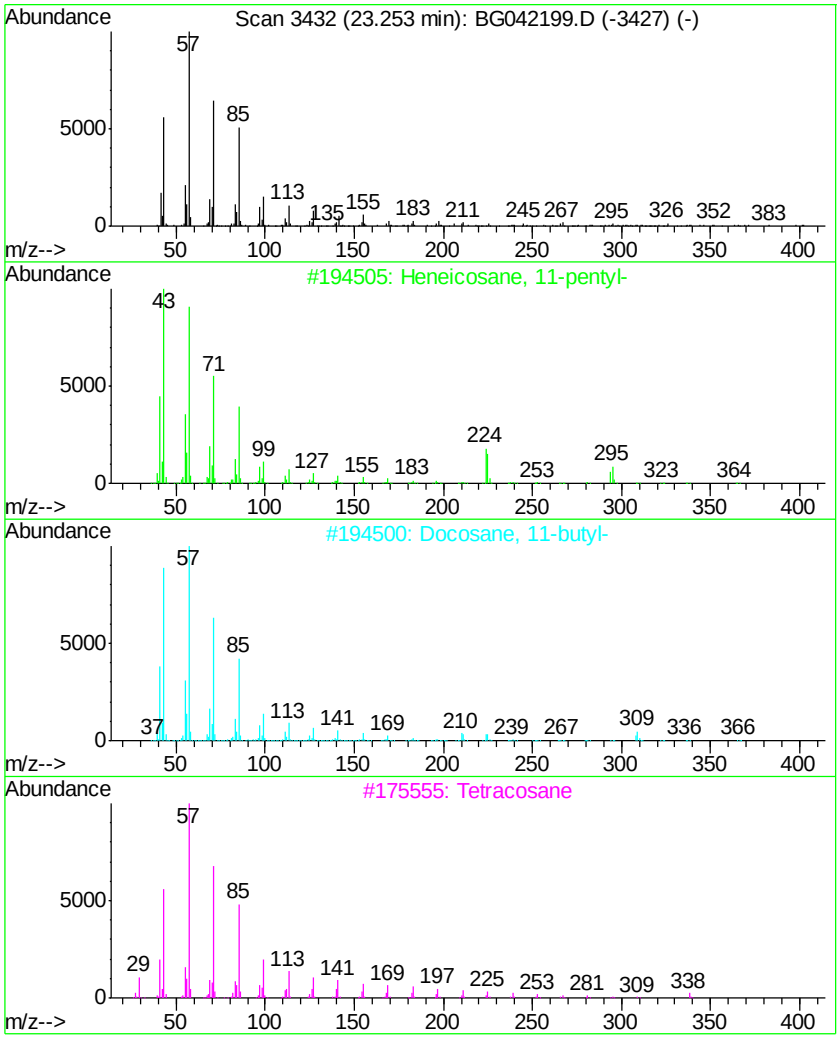
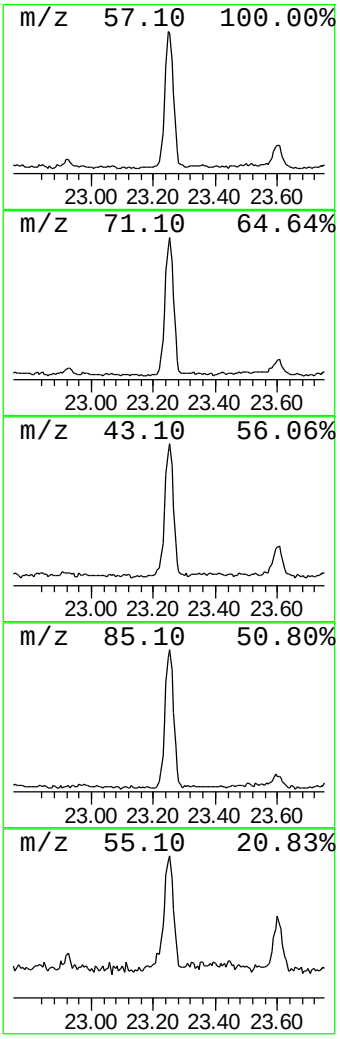
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.25	3.13 ng/ul	437921	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane, 11-pentyl-	366	C26H54	014739-72-1	93
2	Docosane, 11-butyl-	366	C26H54	013475-76-8	93
3	Tetracosane	338	C24H50	000646-31-1	91
4	Tetracosane	338	C24H50	000646-31-1	90
5	Hentriacontane	437	C31H64	000630-04-6	90





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TIC Integration Parameters: LSCINT.P

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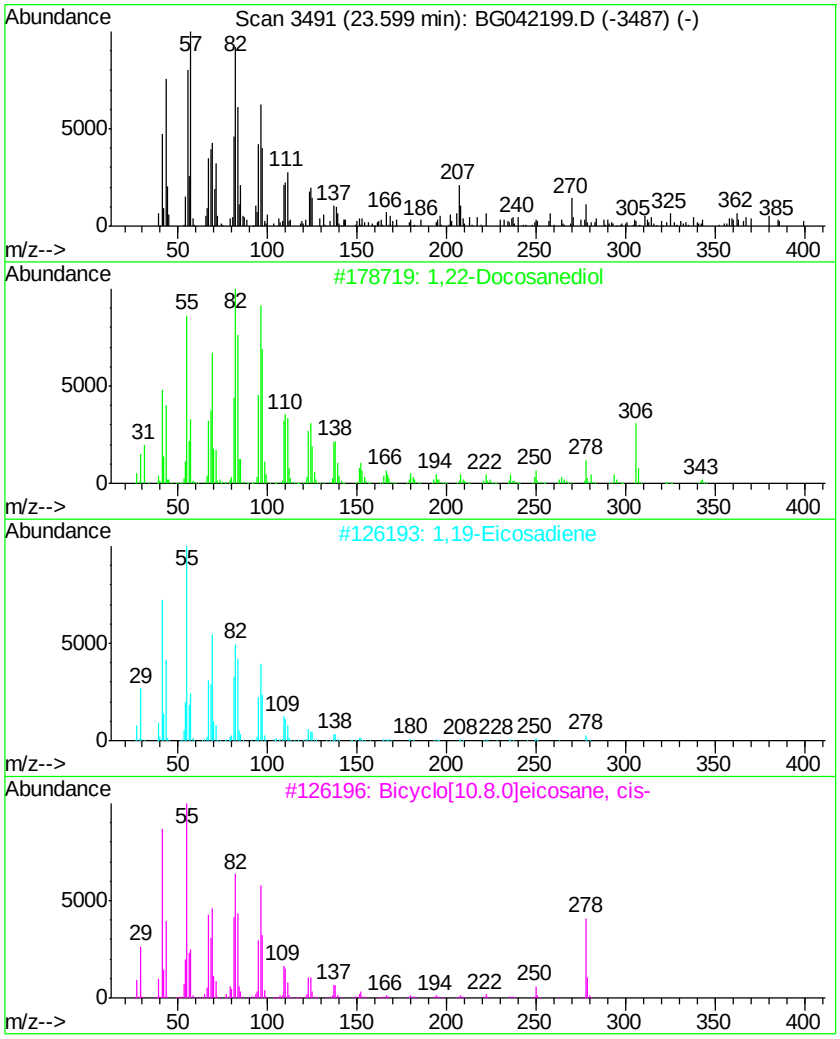
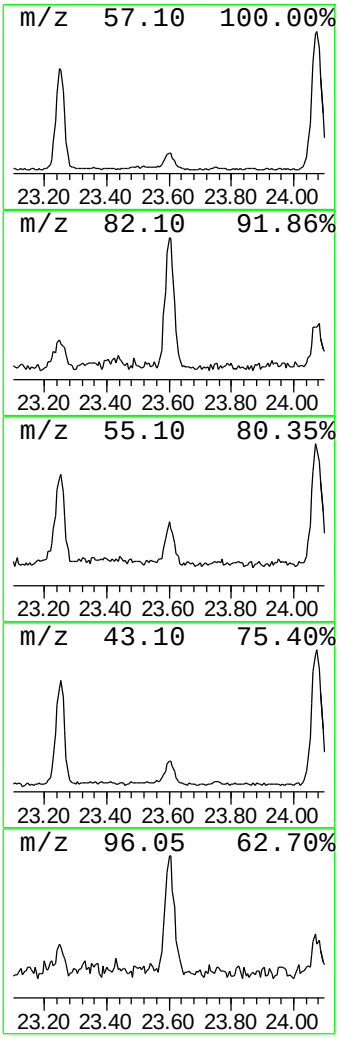
Peak Number 17 1,22-Docosanediol Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.60	2.69 ng/ul	195052	Perylene-d12	24.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,22-Docosanediol	342	C22H46O2	022513-81-1	91
2	1,19-Eicosadiene	278	C20H38	014811-95-1	87
3	Bicyclo[10.8.0]eicosane, cis-	278	C20H38	1000155-82-2	83
4	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	76
5	Ethanol, 2-(9-octadecenyloxy)-, ...	312	C20H40O2	017367-07-6	74





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Acq On : 14 Aug 2019 7:24
Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5N6

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

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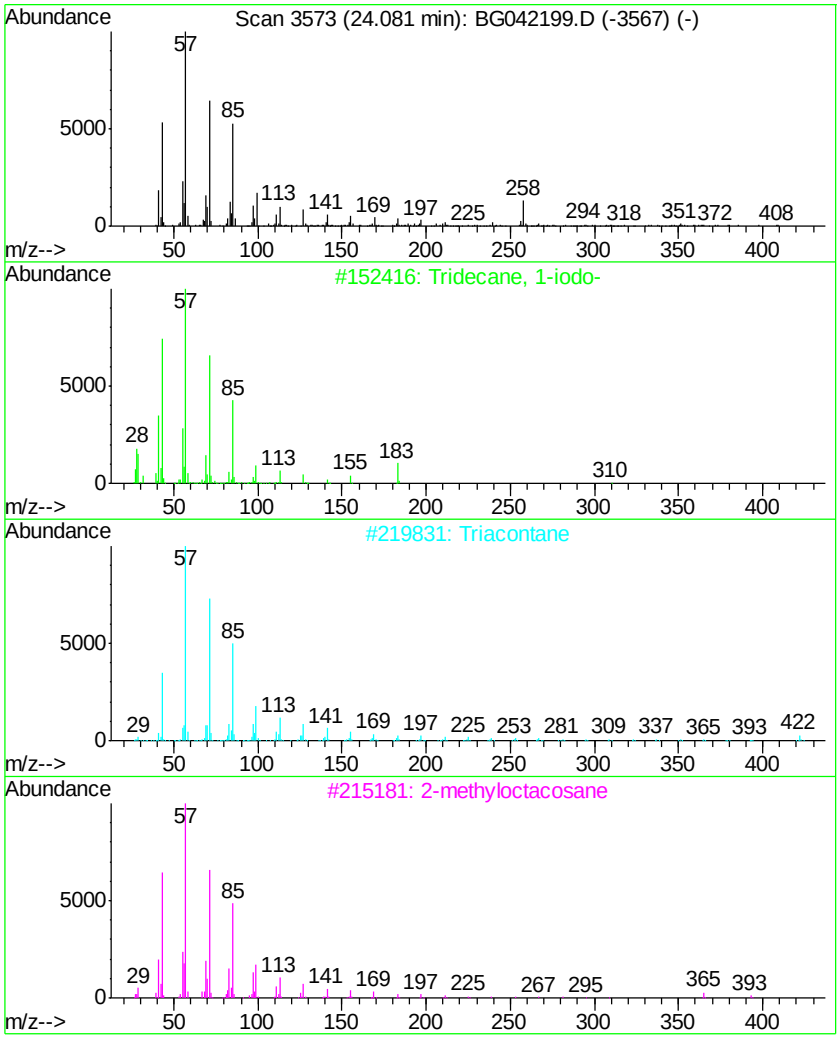
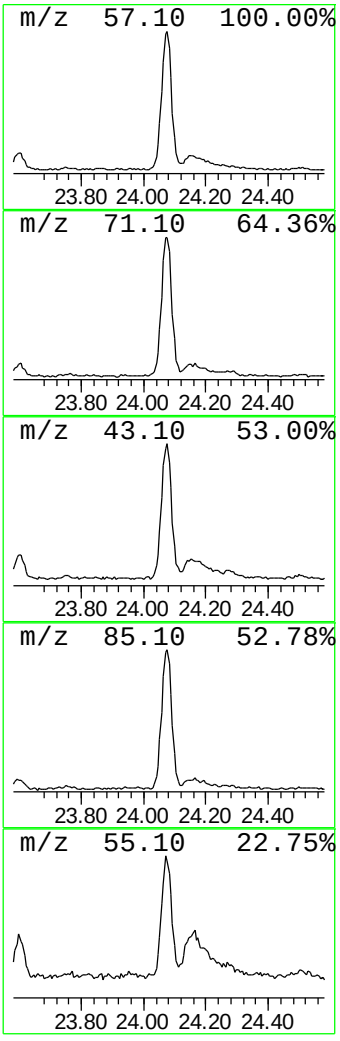
Peak Number 18 Tridecane, 1-iodo- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.08	8.49 ng/ul	616289	Perylene-d12	24.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90
2	Triacontane	422	C30H62	000638-68-6	90
3	2-methyloctacosane	408	C29H60	1000376-72-8	87
4	Octacosane	394	C28H58	000630-02-4	87
5	Docosane	310	C22H46	000629-97-0	83





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Sample : K4304-05
Misc :
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Instrument : BNA_G
ClientSampleId : CB5N6

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Quant Title : SVOA CALIBRATION

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

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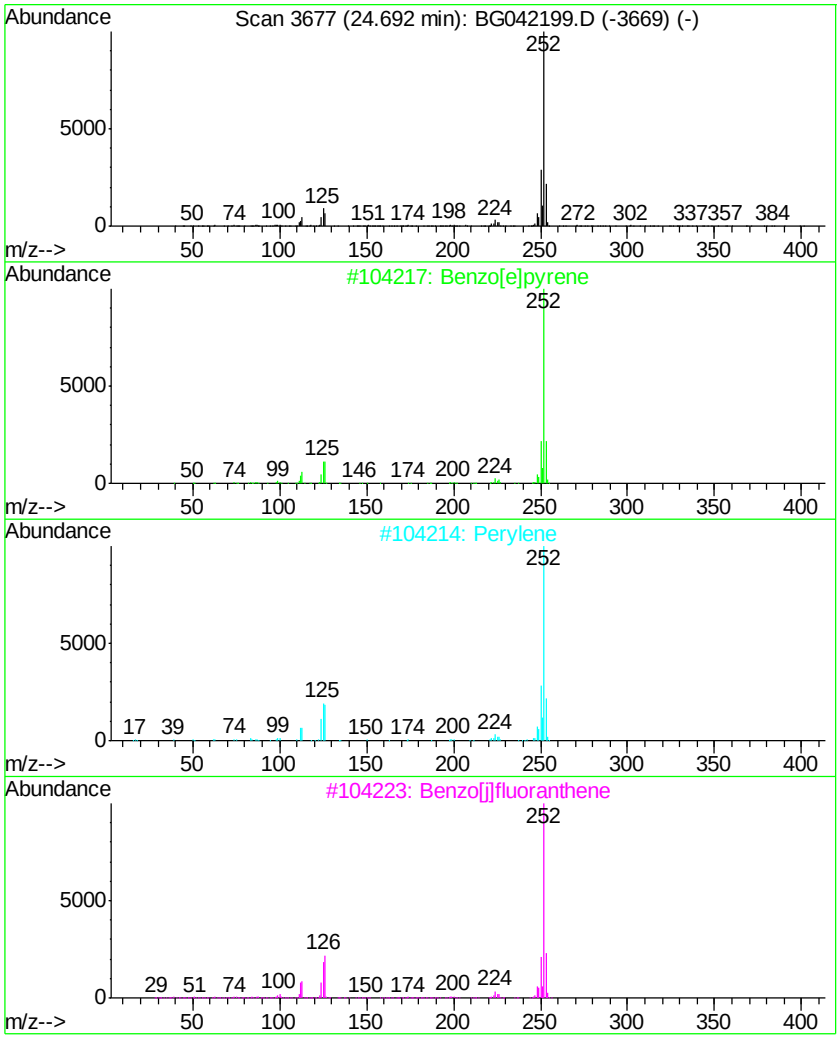
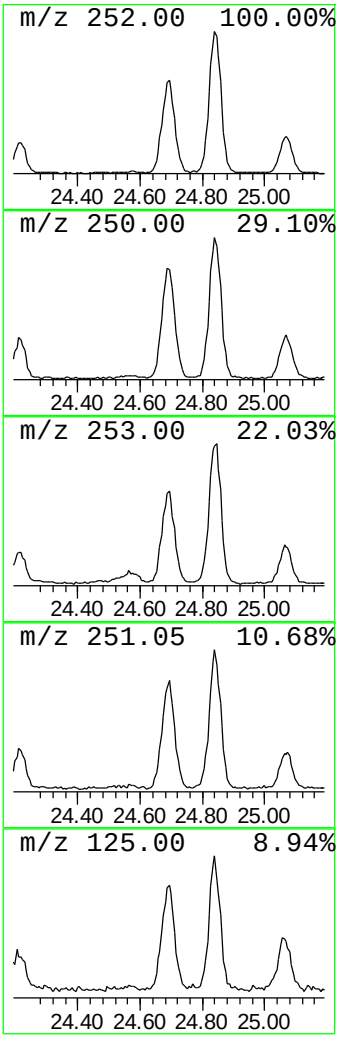
Peak Number 19 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.69	8.71 ng/ul	632783	Perylene-d12	24.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Perylene	252	C20H12	000198-55-0	95
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91





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Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5N6

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

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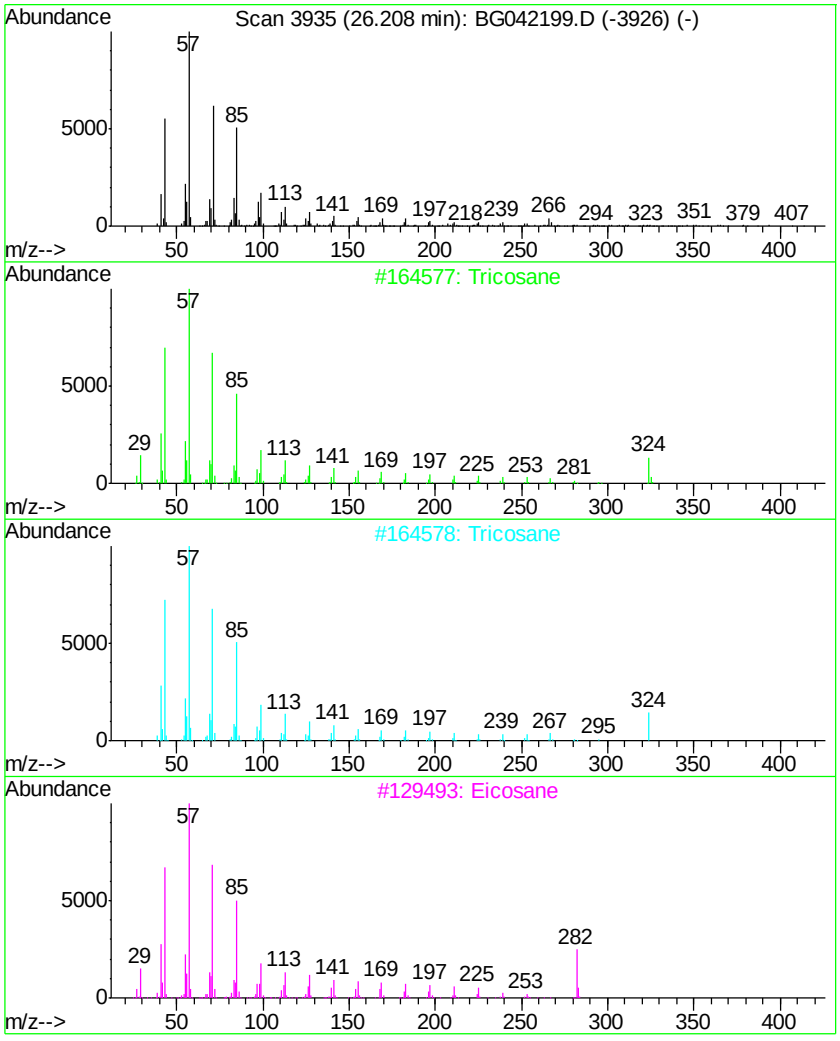
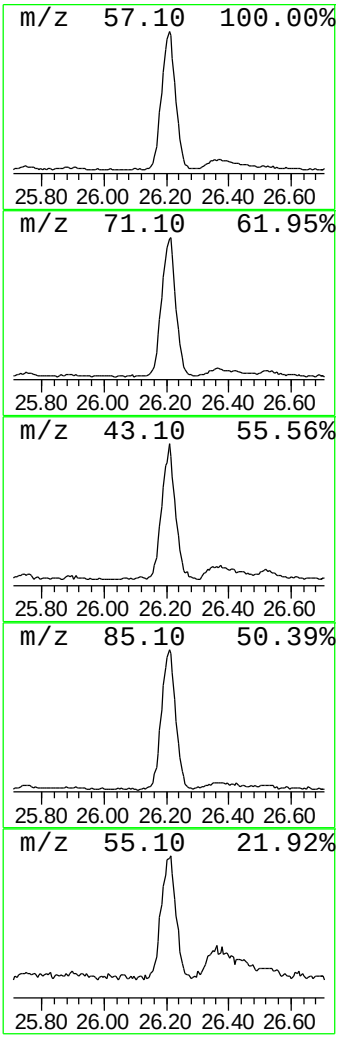
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.21	12.98 ng/ul	942843	Perylene-d12	24.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricosane	324	C23H48	000638-67-5	97
2	Tricosane	324	C23H48	000638-67-5	94
3	Eicosane	282	C20H42	000112-95-8	92
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	91
5	Tridecane, 6-propyl-	226	C16H34	055045-10-8	91





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Sample : K4304-05
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5N6

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

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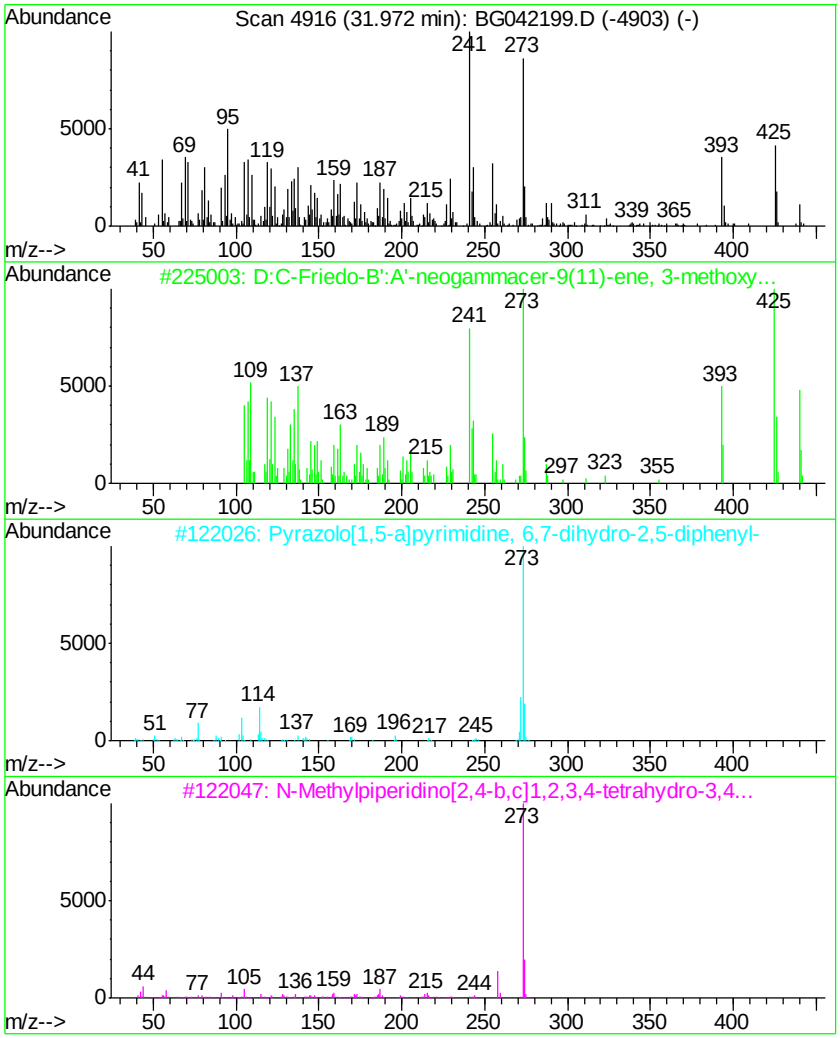
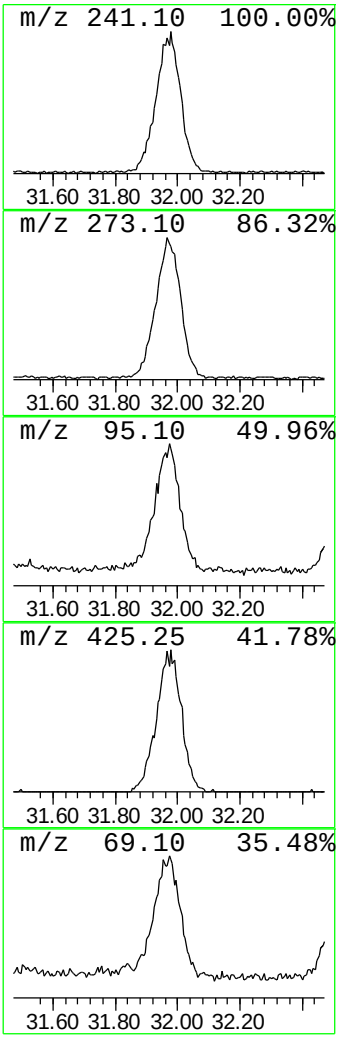
Peak Number 21 D:C-Friedo-B':A'-neogammace... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.97	30.26 ng/ul	2197950	Perylene-d12	24.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D:C-Friedo-B':A'-neogammacer-9(1...	440	C31H52O	004555-56-0	83
2	Pyrazolo[1,5-a]pyrimidine, 6,7-d...	273	C18H15N3	186956-30-9	35
3	N-Methylpiperidino[2,4-b,c]1,2,3...	273	C18H27NO	1000128-54-7	35
4	Benzamide, 2,4,6-tris(1,1-dimeth...	393	C27H39NO	016420-52-3	30
5	3-Bromo-4-hydroxy-5-methoxypheny...	241	C9H8BrNO2	081038-44-0	25





Library Search Compound Report

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Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5N6

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

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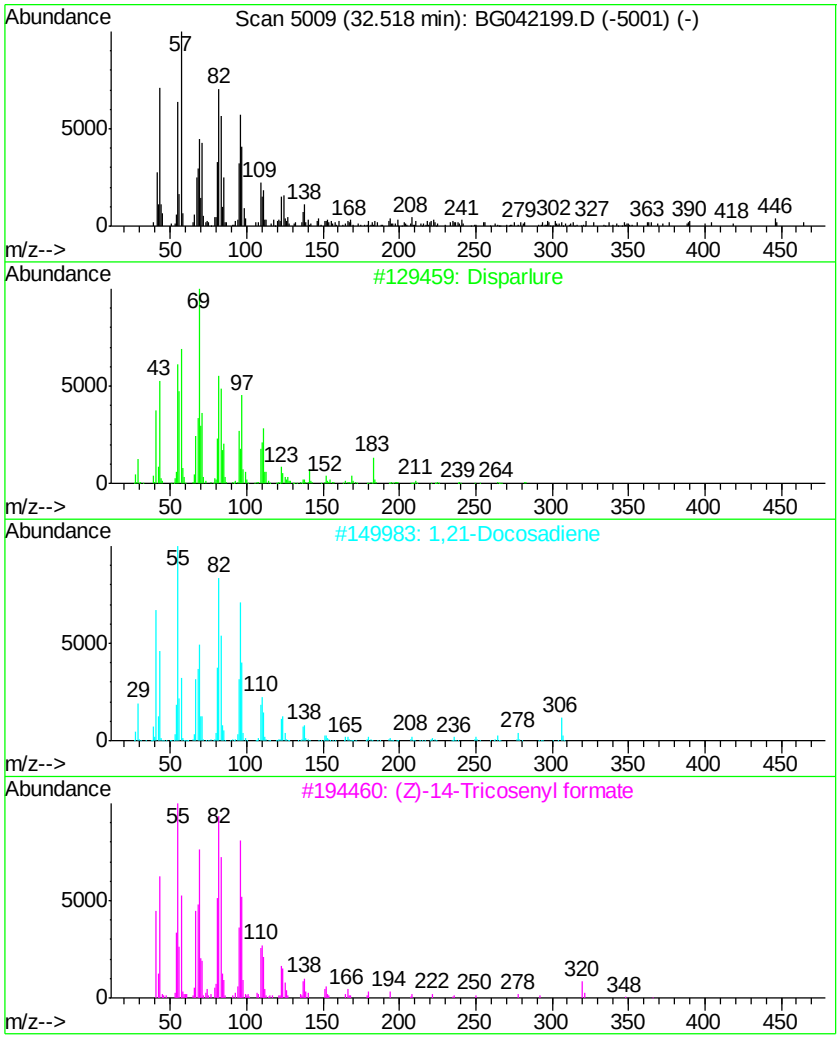
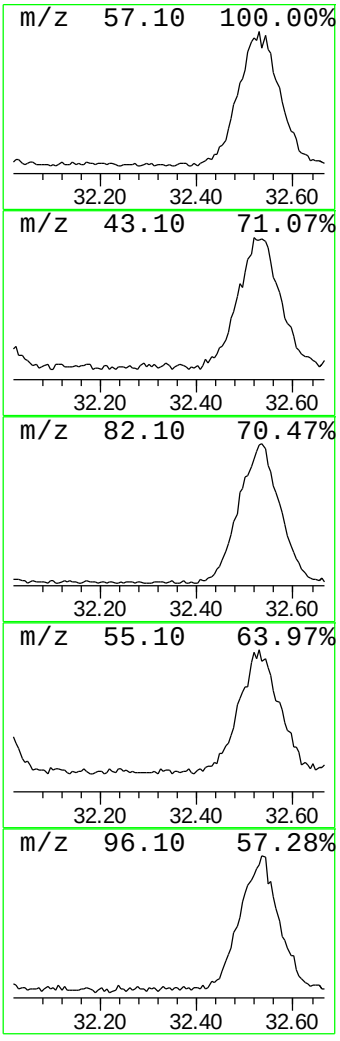
Peak Number 22 Disparlure Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
32.52	3.80 ng/ul	275932	Perylene-d12	24.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Disparlure	282	C19H38O	029804-22-6	87
2	1,21-Docosadiene	306	C22H42	053057-53-7	86
3	(Z)-14-Tricosenyl formate	366	C24H46O2	077899-10-6	64
4	1,30-Triacontanediol	454	C30H62O2	036645-68-8	64
5	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	62





Tentatively Identified Compound (LSC) summary

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Data File : BG042199.D
Acq On : 14 Aug 2019 7:24
Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5N6

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	155.5	ng/ul	3427710	1	8.02	440989	20.0
Spiro[2,4]hepta-4...	4.17	4.2	ng/ul	91864	1	8.02	440989	20.0
unknown-01	9.35	4.1	ng/ul	90413	1	8.02	440989	20.0
Phenanthrene, 1-m...	18.32	3.2	ng/ul	191030	4	17.44	1189490	20.0
Phenanthrene, 2-m...	18.36	4.4	ng/ul	262930	4	17.44	1189490	20.0
4H-Cyclopenta[def...	18.51	5.8	ng/ul	342368	4	17.44	1189490	20.0
5,16[1',2']:8,13[...	18.81	2.7	ng/ul	162820	4	17.44	1189490	20.0
9,10-Anthracenedione	18.85	2.6	ng/ul	154405	4	17.44	1189490	20.0
Phenanthrene, 2,5...	19.23	2.5	ng/ul	150598	4	17.44	1189490	20.0
Cyclopenta(def)ph...	19.37	2.6	ng/ul	154411	4	17.44	1189490	20.0
Pyrene, 1-methyl-	20.17	2.2	ng/ul	312766	5	21.72	2802610	20.0
11H-Benzo[b]fluorene	20.34	2.5	ng/ul	355506	5	21.72	2802610	20.0
(DEL) Alkane: Cyc...	21.37	4.3	ng/ul	597970	5	21.72	2802610	20.0
11H-Benzo[a]fluor...	21.44	2.7	ng/ul	372284	5	21.72	2802610	20.0
(DEL) Alkane: Str...	22.54	3.0	ng/ul	425503	5	21.72	2802610	20.0
(DEL) Alkane: Str...	23.25	3.1	ng/ul	437921	5	21.72	2802610	20.0
1,22-Docosanediol	23.60	2.7	ng/ul	195052	6	24.99	1452490	20.0
Tridecane, 1-iodo-	24.08	8.5	ng/ul	616289	6	24.99	1452490	20.0
Benzo[e]pyrene	24.69	8.7	ng/ul	632783	6	24.99	1452490	20.0
(DEL) Alkane: Str...	26.21	13.0	ng/ul	942843	6	24.99	1452490	20.0
D:C-Friedo-B':A'-...	31.97	30.3	ng/ul	2197950	6	24.99	1452490	20.0
Disparlure	32.52	3.8	ng/ul	275932	6	24.99	1452490	20.0