LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042201.D
Acq On : 14 Aug 2019 8:41
Operator : HP/JU
Sample : K4304-07
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5N8

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	3.142	4	9	30	rVB	2169352	3530815	100.00%	7.480%
2	3.406	50	54	62	rVB	14928	24444	0.69%	0.052%
3	4.076	162	168	174	rBV2	17071	28131	0.80%	0.060%
4	4.170	178	184	193	rVV	56299	88872	2.52%	0.188%
5	7.178	688	696	714	rVV	312467	620535	17.57%	1.315%
6	7.343	716	724	741	rVB	243653	421716	11.94%	0.893%
7	7.554	753	760	768	rBV	351202	614650	17.41%	1.302%
8	8.024	830	840	848	rBV	249716	428524	12.14%	0.908%
9	8.735	953	961	979	rBV	403288	739317	20.94%	1.566%
10	9.193	1031	1039	1047	rBV	308484	566309	16.04%	1.200%
11	9.352	1061	1066	1072	rBV2	29620	50145	1.42%	0.106%
12	9.634	1108	1114	1120	rVB	15391	23445	0.66%	0.050%
13	9.922	1155	1163	1178	rBV	279278	517975	14.67%	1.097%
14	10.468	1248	1256	1267	rBV	444130	872825	24.72%	1.849%
15	10.844	1311	1320	1326	rBV	349272	648366	18.36%	1.374%
16	10.897	1326	1329	1334	rVV	45848	74381	2.11%	0.158%
17	10.979	1334	1343	1359	rVV	396121	779526	22.08%	1.651%
18	12.513	1598	1604	1611	rVV	30278	49178	1.39%	0.104%
19	12.730	1636	1641	1648	rVB	23511	38862	1.10%	0.082%
20	13.518	1770	1775	1779	rBV4	14172	25294	0.72%	0.054%
21	13.999	1852	1857	1863	rVV	25115	48403	1.37%	0.103%
22	14.088	1863	1872	1876	rVV	824700	1271126	36.00%	2.693%
23	14.129	1876	1879	1885	rVV	115757	176018	4.99%	0.373%
24	14.240	1894	1898	1902	rVV	14558	23012	0.65%	0.049%
25	14.375	1911	1921	1940	rVB	1018863	1685464	47.74%	3.571%
26	14.687	1963	1974	1980	rBV	586074	972649	27.55%	2.061%
27	14.746	1980	1984	1992	rVB	92584	151743	4.30%	0.321%
28	14.881	2001	2007	2018	rBV	230139	460559	13.04%	0.976%
29	15.086	2037	2042	2049	rVB	68007	113815	3.22%	0.241%
30	15.304	2071	2079	2083	rBV3	11142	25452	0.72%	0.054%
31	15.357	2083	2088	2093	rVB2	15556	25595	0.72%	0.054%
32	15.480	2101	2109	2115	rBV7	16390	44223	1.25%	0.094%
33	15.680	2133	2143	2148	rBV	1330271	2017722	57.15%	4.275%
34	15.733	2148	2152	2158	rVB2	92704	140736	3.99%	0.298%

LSC Area Percent Report

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Operator : HP/JU
Sample : K4304-07
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5N8

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	15.797	2158	2163	2171	rBV	258089	404804	11.46%	0.858%
36	16.026	2198	2202	2210	rVB	35208	61334	1.74%	0.130%
37	16.179	2219	2228	2234	rBV	33243	77197	2.19%	0.164%
38	16.250	2234	2240	2249	rVB6	13437	33319	0.94%	0.071%
39	16.403	2260	2266	2273	rVB6	27777	66418	1.88%	0.141%
40	16.743	2315	2324	2328	rVV3	29011	77968	2.21%	0.165%
41	16.790	2328	2332	2337	rVV3	19736	38348	1.09%	0.081%
42	16.896	2346	2350	2355	rVV6	14176	23788	0.67%	0.050%
43	16.972	2355	2363	2366	rVV5	29165	59895	1.70%	0.127%
44	17.008	2366	2369	2377	rVV3	25619	55676	1.58%	0.118%
45	17.090	2377	2383	2391	rVV	51299	99110	2.81%	0.210%
46	17.190	2391	2400	2404	rVV5	38284	98130	2.78%	0.208%
47	17.254	2406	2411	2419	rVB	68703	115482	3.27%	0.245%
48	17.437	2436	2442	2446	rVV2	715676	1157872	32.79%	2.453%
49	17.478	2446	2449	2454	rVV	929828	1451466	41.11%	3.075%
50	17.536	2454	2459	2463	rVV2	1309455	2092746	59.27%	4.433%
51	17.572	2463	2465	2470	rVV	231194	277483	7.86%	0.588%
52	17.630	2470	2475	2480	rVB3	11947	23730	0.67%	0.050%
53	17.836	2505	2510	2520	rBV	87711	159355	4.51%	0.338%
54	17.930	2523	2526	2528	rVV3	22793	31379	0.89%	0.066%
55	17.954	2528	2530	2535	rVV	25120	32602	0.92%	0.069%
56	18.018	2538	2541	2552	rVB3	29626	55444	1.57%	0.117%
57	18.101	2552	2555	2561	rBV7	11123	23335	0.66%	0.049%
58	18.318	2587	2592	2596	rVV	121013	191904	5.44%	0.407%
59	18.365	2596	2600	2605	rVV	172549	265357	7.52%	0.562%
60	18.447	2609	2614	2618	rBV	54024	83017	2.35%	0.176%
61	18.512	2619	2625	2629	rVV3	193030	369585	10.47%	0.783%
62	18.547	2629	2631	2639	rVB2	91554	117594	3.33%	0.249%
63	18.623	2639	2644	2647	rBV3	36980	61102	1.73%	0.129%
64	18.659	2647	2650	2655	rVB3	19941	29034	0.82%	0.062%
65	18.811	2671	2676	2680	rVV	105104	155763	4.41%	0.330%
66	18.853	2680	2683	2690	rVB2	59915	93789	2.66%	0.199%
67	19.058	2715	2718	2721	rVV	40592	56869	1.61%	0.120%
68	19.111	2723	2727	2730	rVV	37361	60028	1.70%	0.127%
69	19.146	2730	2733	2737	rVB	29638	43506	1.23%	0.092%
70	19.229	2742	2747	2753	rBV2	83774	156851	4.44%	0.332%
71	19.370	2766	2771	2778	rBV	72922	129757	3.67%	0.275%

LSC Area Percent Report

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Operator : HP/JU
Sample : K4304-07
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5N8

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
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Peak separation: 5

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

72	19.493	2786	2792	2798	rVB	1552049	2215538	62.75%	4.694%
73	19.552	2798	2802	2805	rVV	31212	47392	1.34%	0.100%
74	19.587	2806	2808	2812	rVB3	28226	32595	0.92%	0.069%
75	19.734	2830	2833	2842	rVB4	59133	101591	2.88%	0.215%
76	19.828	2842	2849	2852	rBV2	1919991	3192356	90.41%	6.763%
77	19.851	2852	2853	2861	rVV	1294164	1459984	41.35%	3.093%
78	19.922	2862	2865	2873	rVB2	79588	128313	3.63%	0.272%
79	20.028	2879	2883	2889	rVB	78986	124884	3.54%	0.265%
80	20.180	2902	2909	2915	rBV2	103941	285206	8.08%	0.604%
81	20.310	2927	2931	2932	rBV2	66166	86485	2.45%	0.183%
82	20.345	2933	2937	2942	rVB	230091	352378	9.98%	0.747%
83	20.445	2950	2954	2958	rBV	127745	161969	4.59%	0.343%
84	20.504	2959	2964	2968	rVV2	116880	172339	4.88%	0.365%
85	20.645	2984	2988	2991	rBV2	78834	105288	2.98%	0.223%
86	20.692	2992	2996	2999	rVB	72705	102063	2.89%	0.216%
87	21.109	3063	3067	3074	rVB	125601	204237	5.78%	0.433%
88	21.367	3103	3111	3120	rBV3	216066	649964	18.41%	1.377%
89	21.714	3162	3170	3176	rBV4	1013509	2768080	78.40%	5.864%
90	21.767	3176	3179	3191	rVB	641719	1052637	29.81%	2.230%
91	21.925	3201	3206	3211	rBV	165298	265757	7.53%	0.563%
92	22.542	3307	3311	3319	rVB2	141513	225630	6.39%	0.478%
93	23.253	3428	3432	3439	rVB	140781	242731	6.87%	0.514%
94	23.958	3544	3552	3560	rBV	473242	1578615	44.71%	3.344%
95	24.076	3568	3572	3579	rVB2	181403	374075	10.59%	0.792%
96	24.693	3670	3677	3682	rBV	215165	541928	15.35%	1.148%
97	24.775	3683	3691	3698	rVV	774110	2163755	61.28%	4.584%
98	24.846	3698	3703	3715	rVB	421539	1032282	29.24%	2.187%
99	24.992	3719	3728	3735	rBV2	452325	1406663	39.84%	2.980%
100	26.209	3928	3935	3946	rVB2	168718	497556	14.09%	1.054%

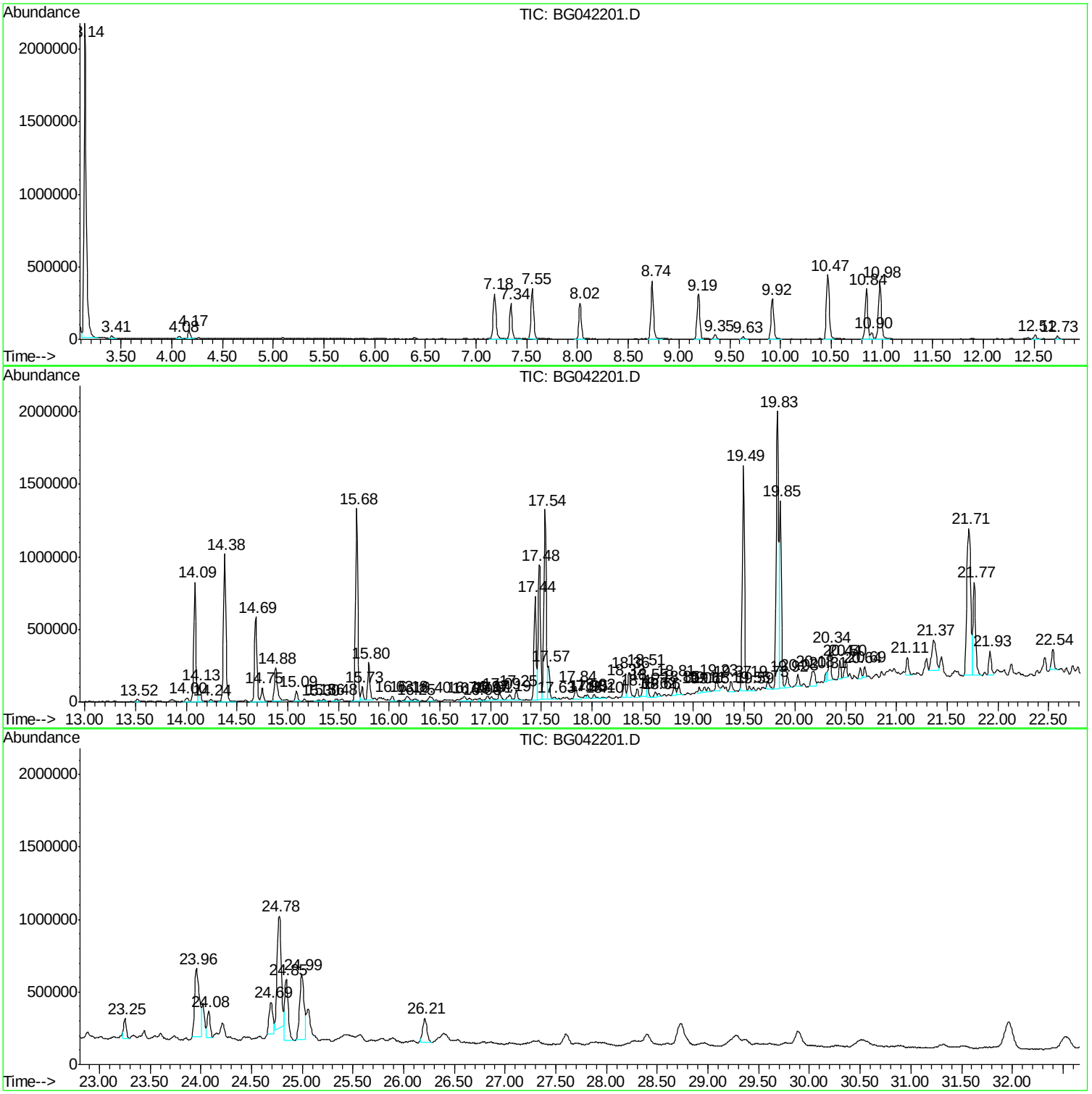
Sum of corrected areas: 47203155

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042201.D
Acq On : 14 Aug 2019 8:41
Operator : HP/JU
Sample : K4304-07
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CB5N8

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\
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Quant Title : SVOA CALIBRATION

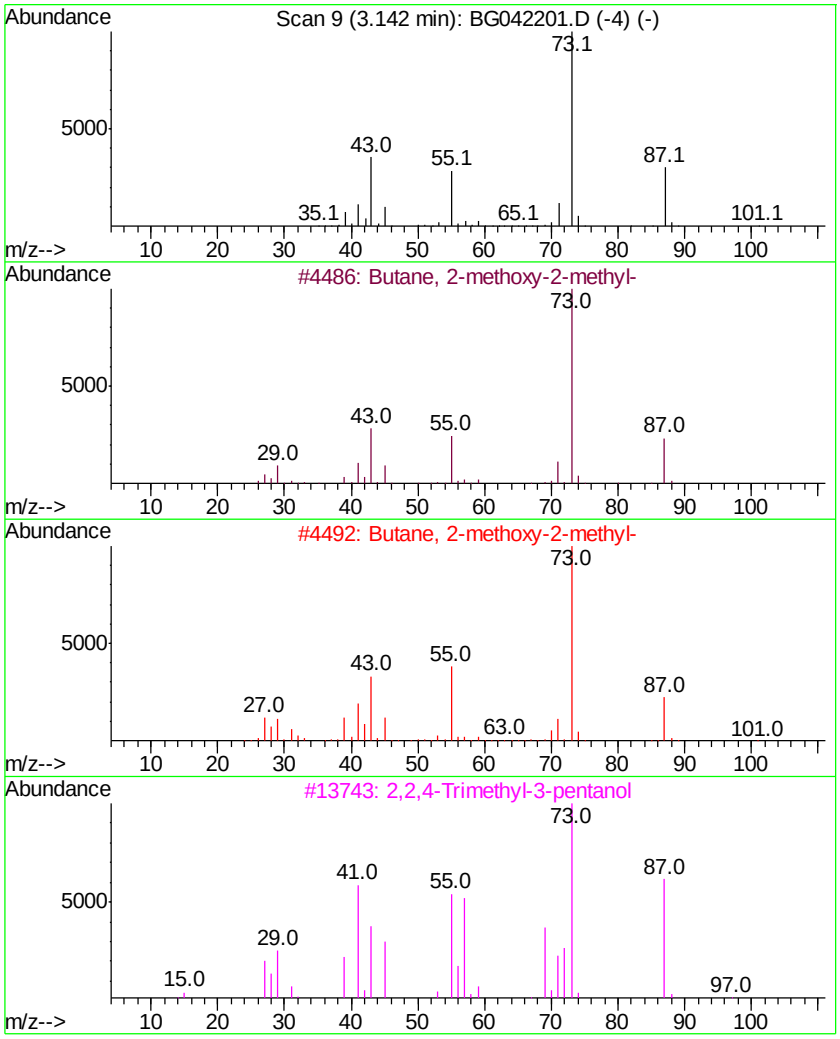
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

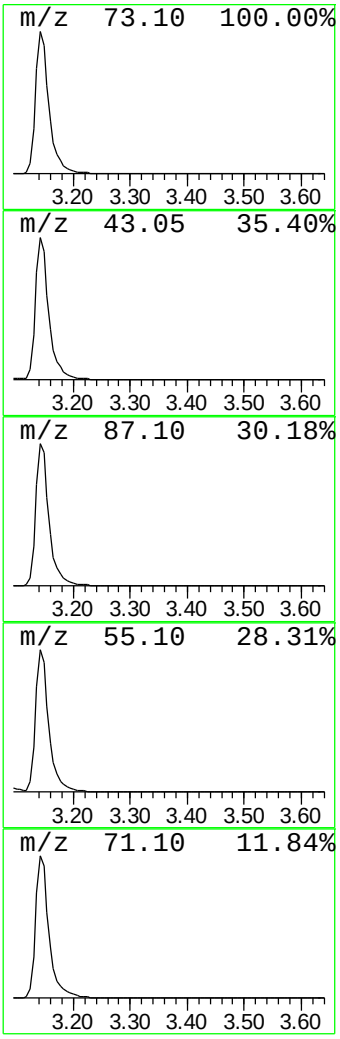
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	164.79 ng/ul	3530820	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	74
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042201.D
Acq On : 14 Aug 2019 8:41
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Sample : K4304-07
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5N8

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

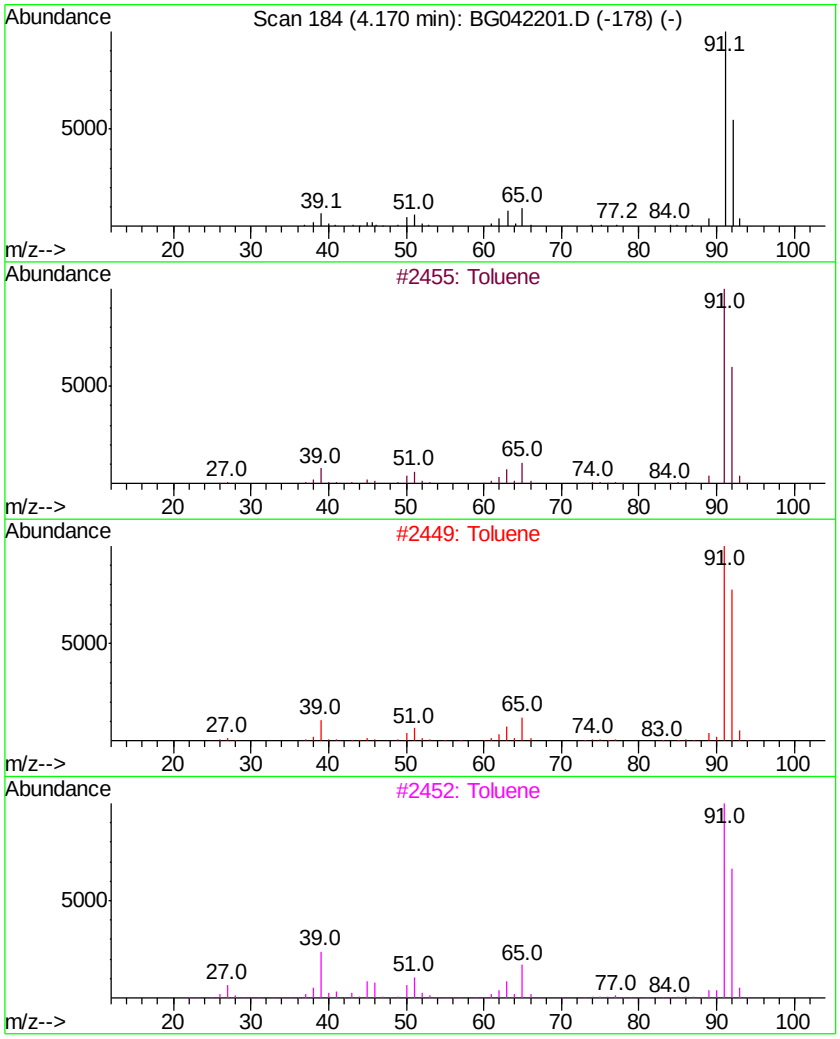
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

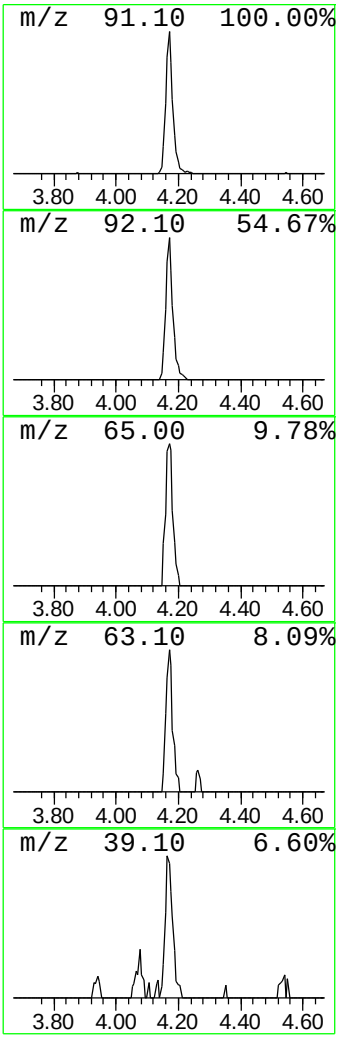
****

Peak Number 2 Toluene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.17	4.15 ng/ul	88872	1,4-Dichlorobenzene-d4	8.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	95
2	Toluene	92	C7H8	000108-88-3	94
3	Toluene	92	C7H8	000108-88-3	91
4	Toluene	92	C7H8	000108-88-3	90
5	Toluene	92	C7H8	000108-88-3	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042201.D
Acq On : 14 Aug 2019 8:41
Operator : HP/JU
Sample : K4304-07
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5N8

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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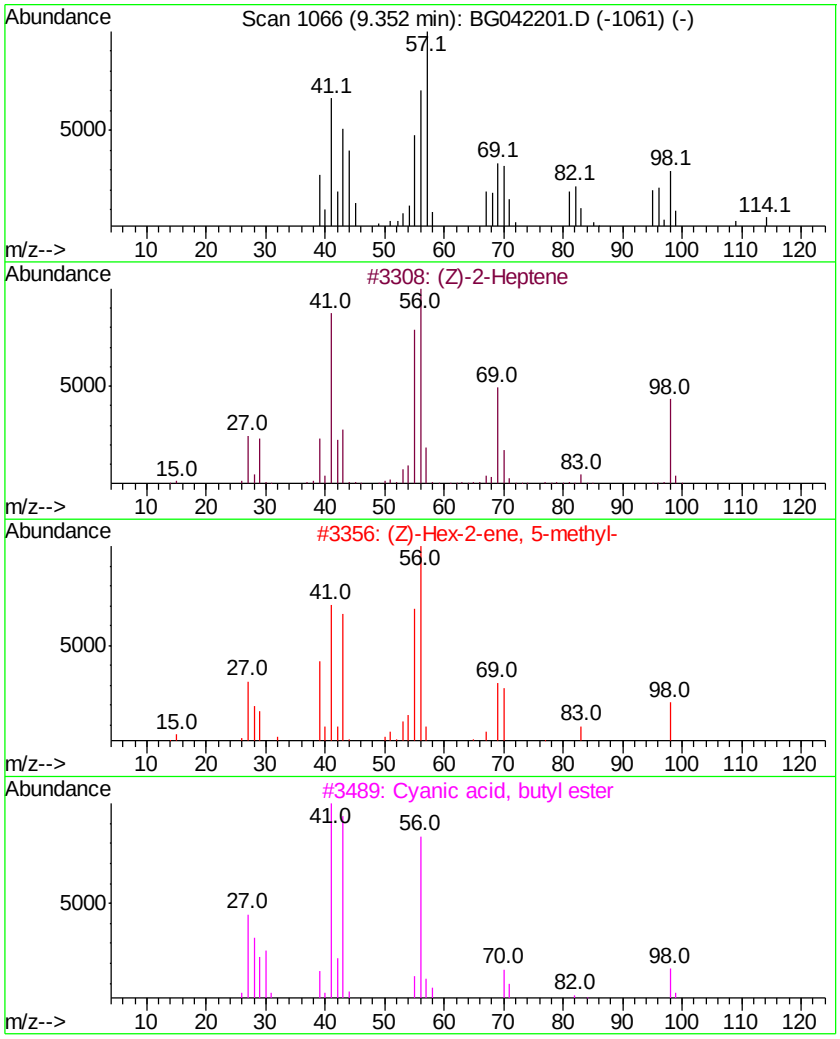
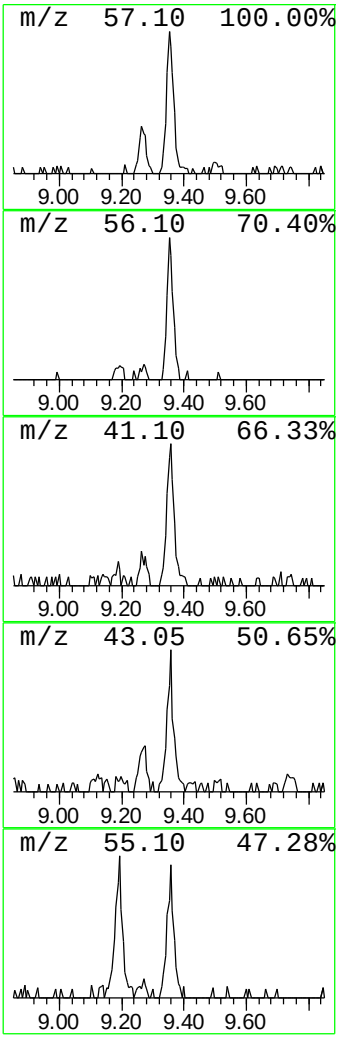
Peak Number 3 (DEL) Alkane: Cyclic9.35 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.35	2.34 ng/ul	50145	1,4-Dichlorobenzene-d4	8.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(Z)-2-Heptene	98	C7H14	006443-92-1	30
2	(Z)-Hex-2-ene, 5-methyl-	98	C7H14	013151-17-2	27
3	Cyanic acid, butyl ester	99	C5H9NO	001768-24-7	27
4	2-Hexene, 5-methyl-, (E)-	98	C7H14	007385-82-2	27
5	10-Azido-1-decanethiol	215	C10H21N3S	1152113-44-4	27





Library Search Compound Report

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Data File : BG042201.D
Acq On : 14 Aug 2019 8:41
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Sample : K4304-07
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5N8

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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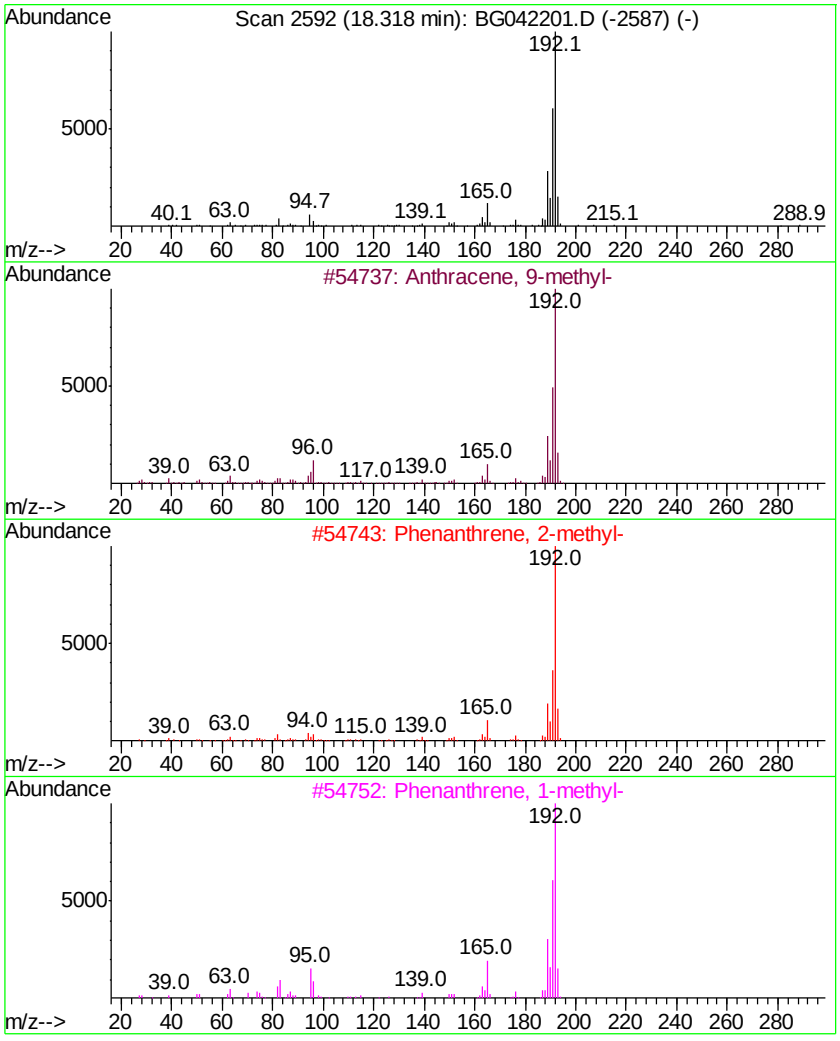
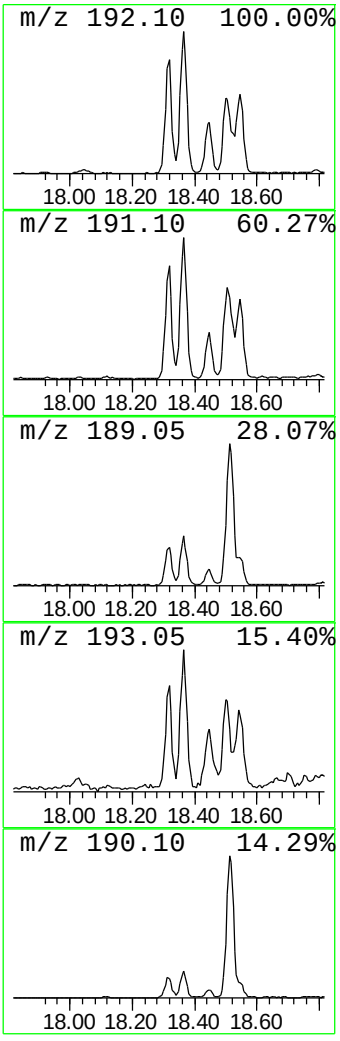
Peak Number 4 Anthracene, 9-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	3.31 ng/ul	191904	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
Data File : BG042201.D
Acq On : 14 Aug 2019 8:41
Operator : HP/JU
Sample : K4304-07
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5N8

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

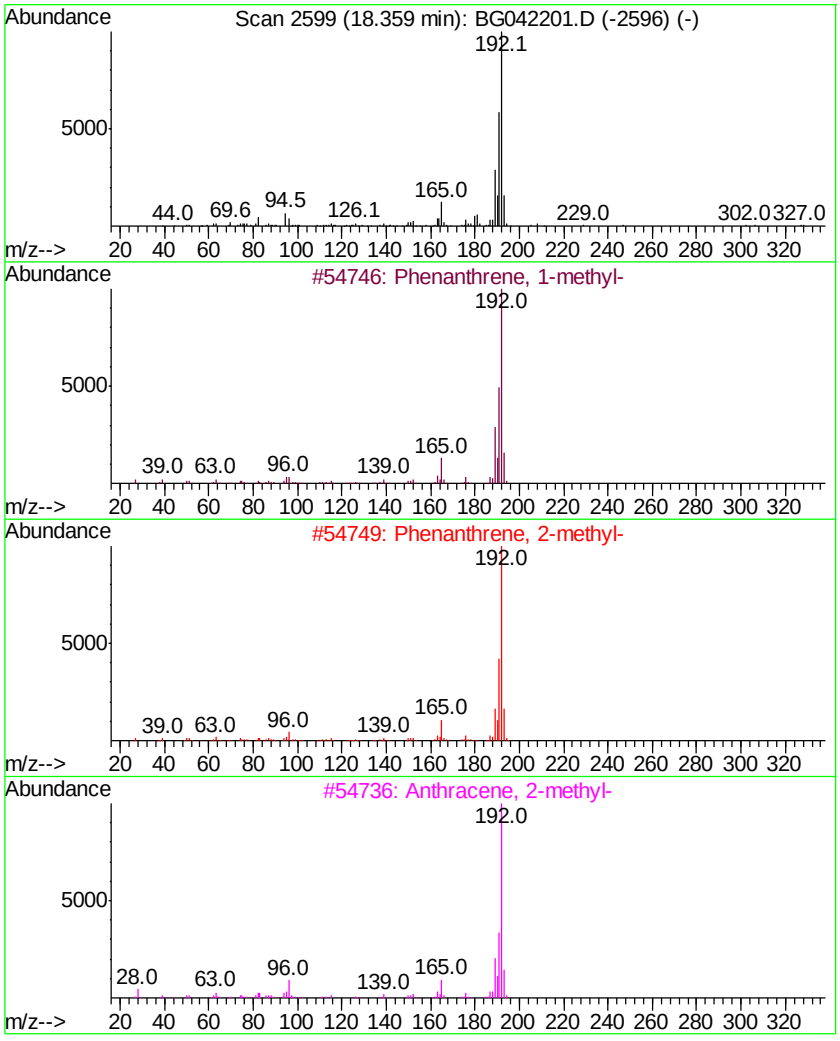
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

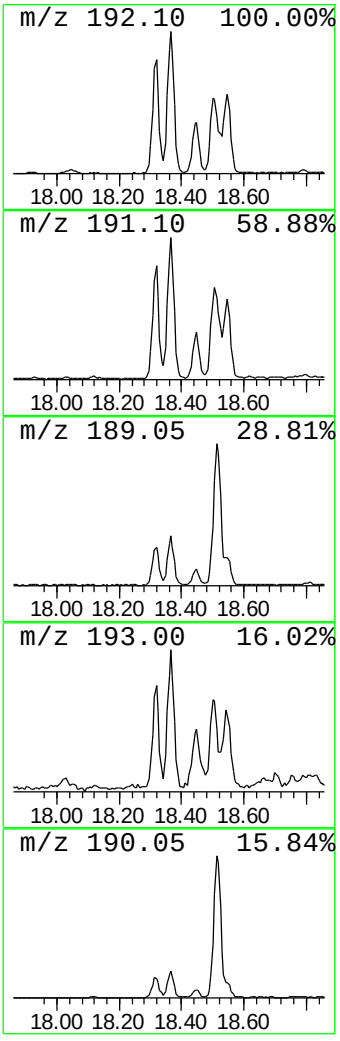
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	4.58 ng/ul	265357	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	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





Library Search Compound Report

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Data File : BG042201.D
Acq On : 14 Aug 2019 8:41
Operator : HP/JU
Sample : K4304-07
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5N8

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

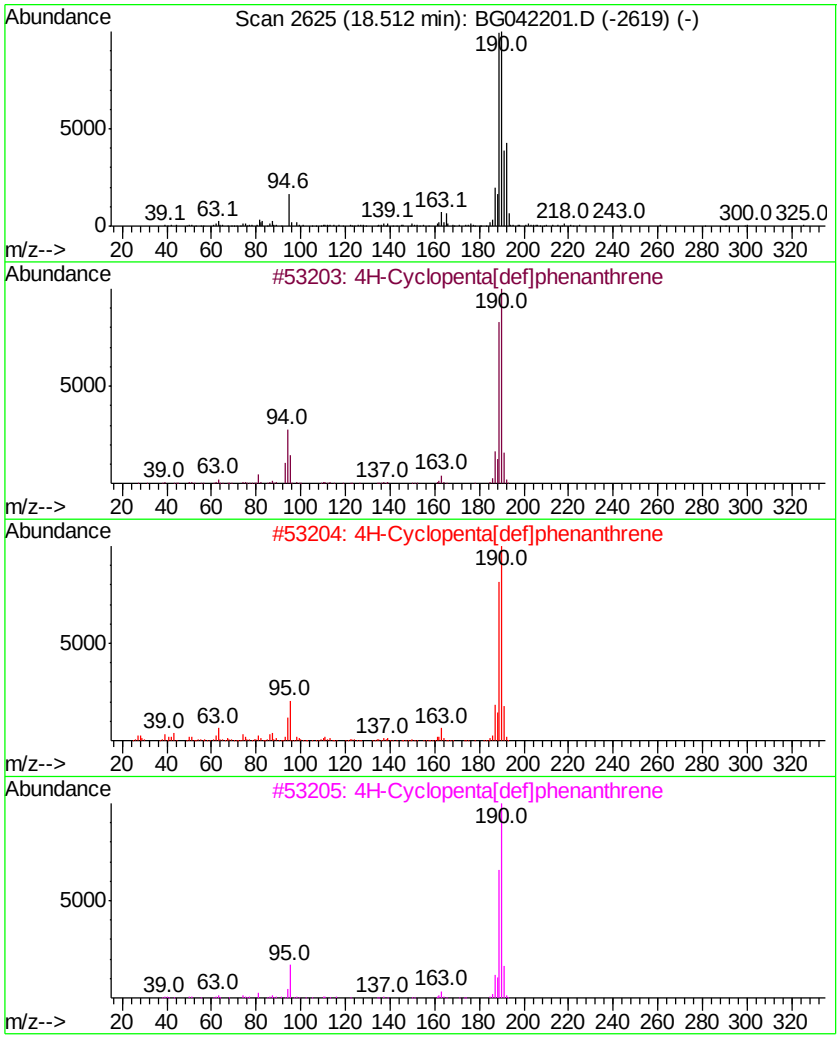
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

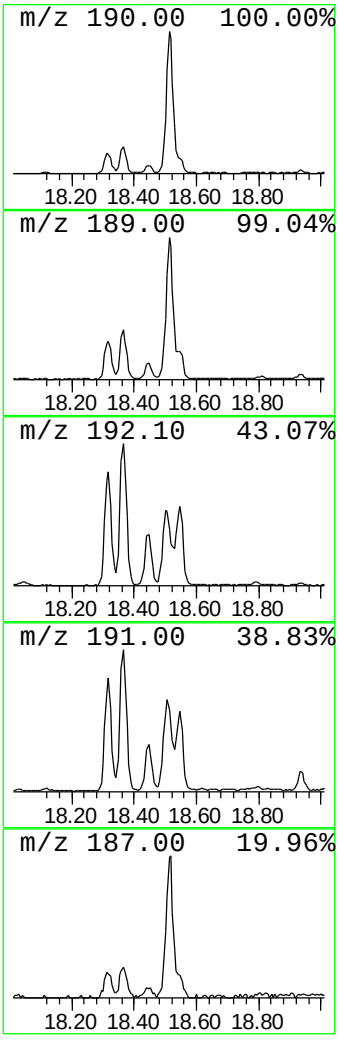
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	6.38 ng/ul	369585	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38





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Sample : K4304-07
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5N8

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Quant Title : SVOA CALIBRATION

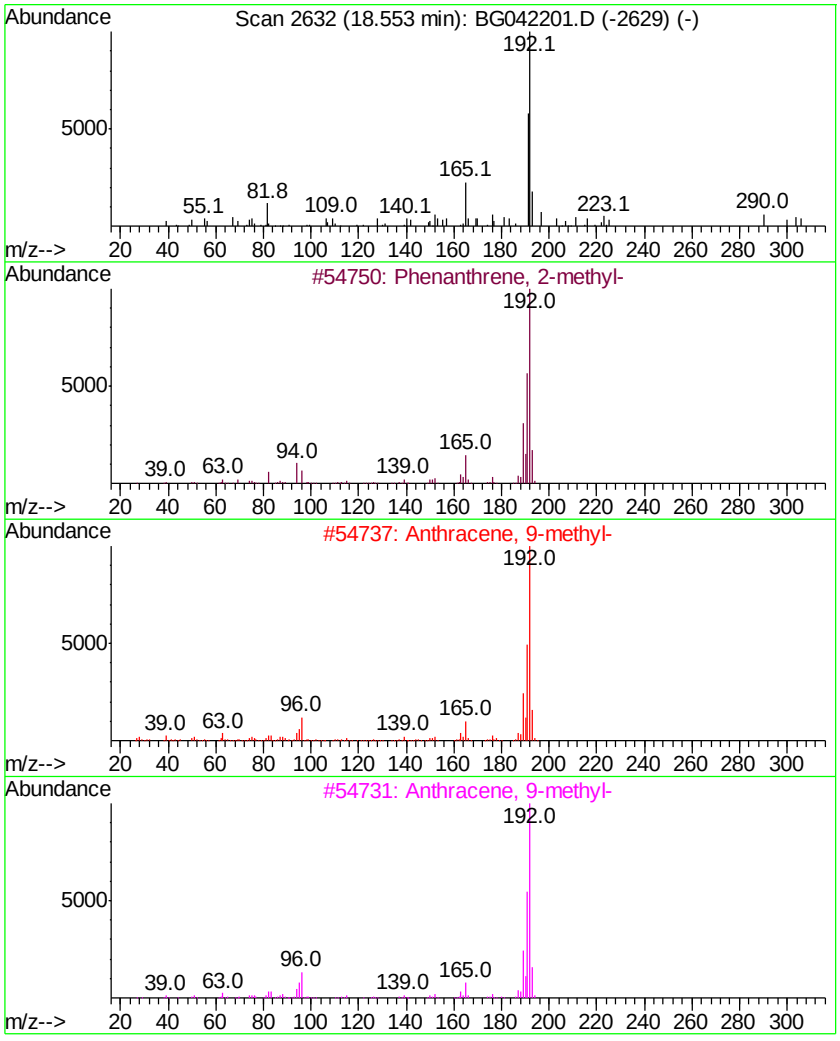
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

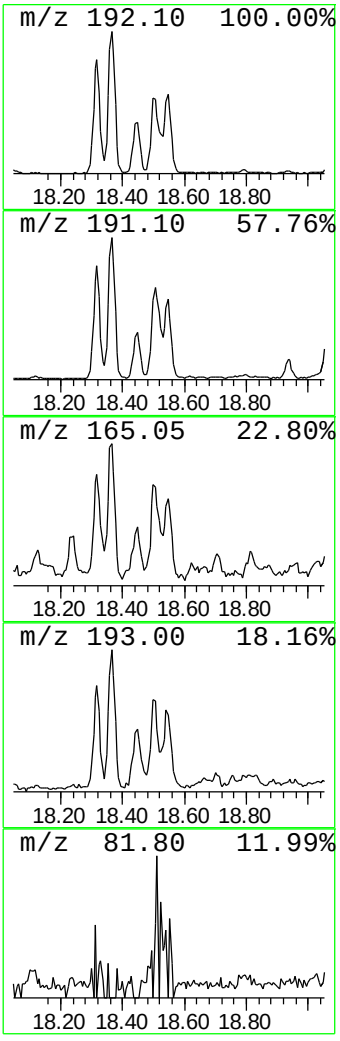
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	2.03 ng/ul	117594	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	86
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	83





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ClientSampleId : CB5N8

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Quant Title : SVOA CALIBRATION

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

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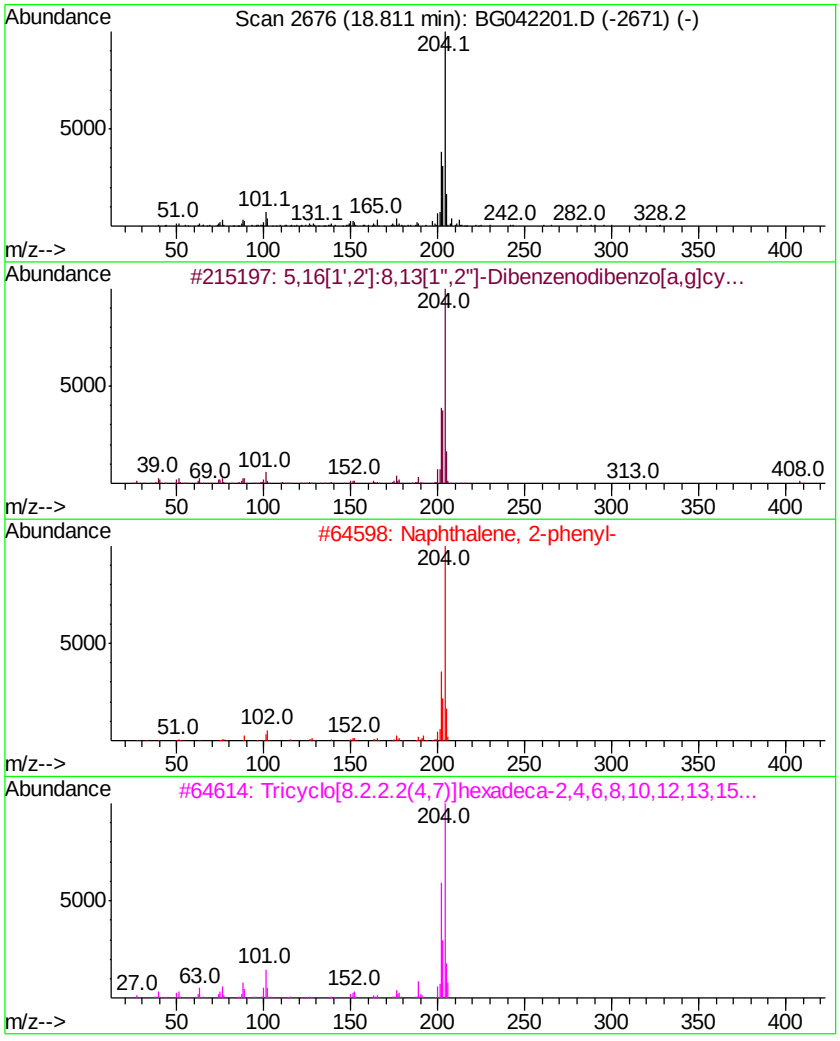
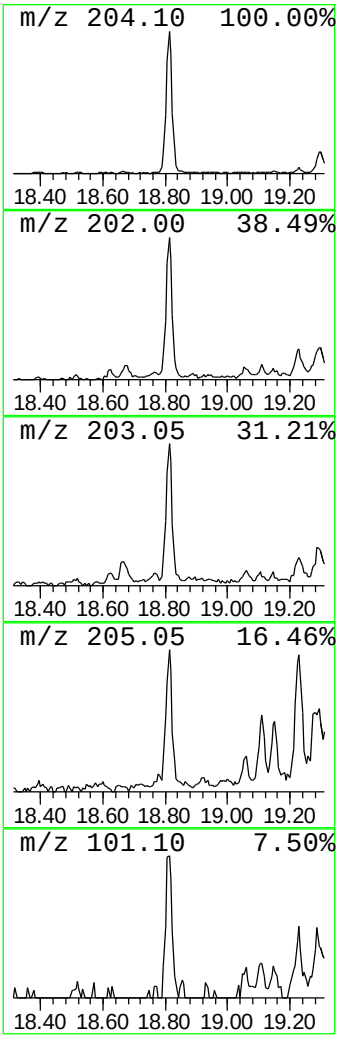
Peak Number 8 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	2.69 ng/ul	155763	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	70
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60





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ClientSampleId : CB5N8

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Quant Title : SVOA CALIBRATION

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

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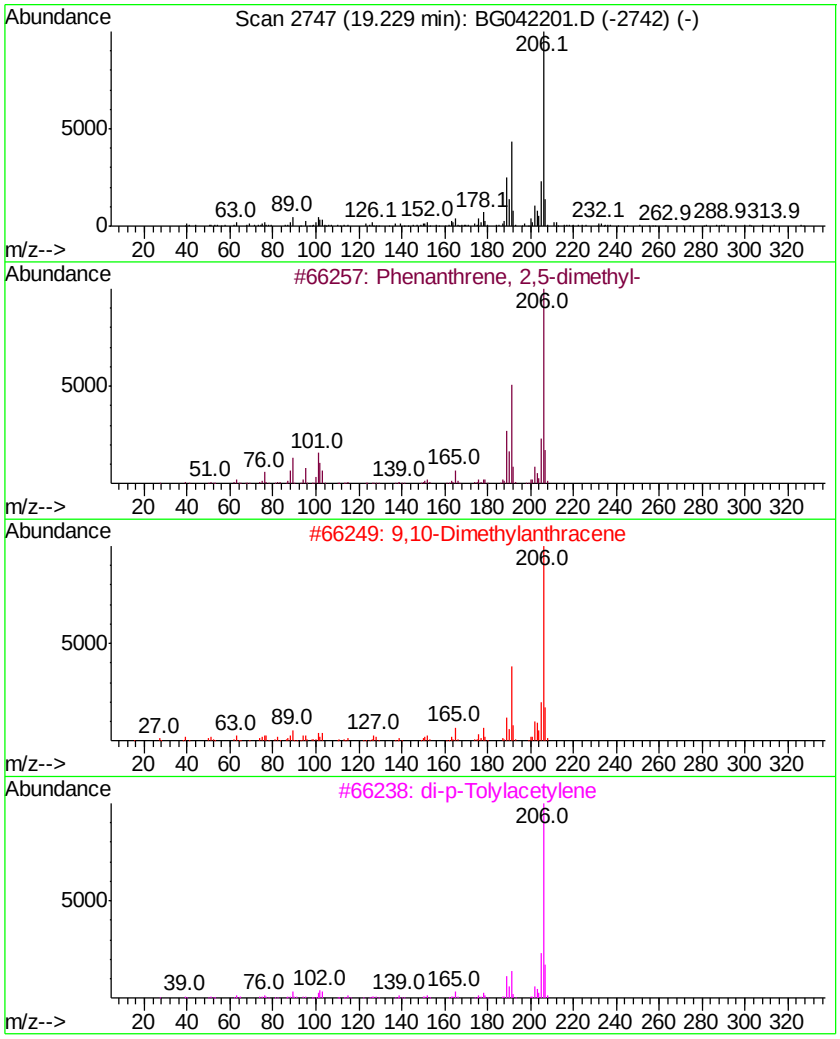
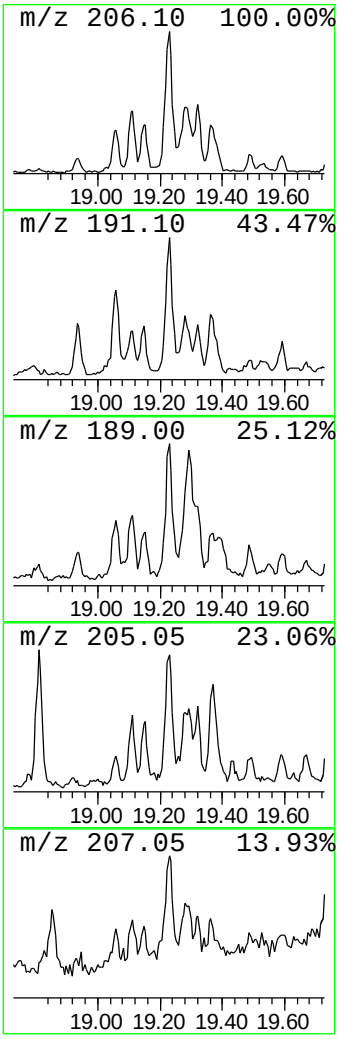
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	2.71 ng/ul	156851	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83





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Operator : HP/JU
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Misc :
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Instrument : BNA_G
ClientSampleId : CB5N8

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Quant Title : SVOA CALIBRATION

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

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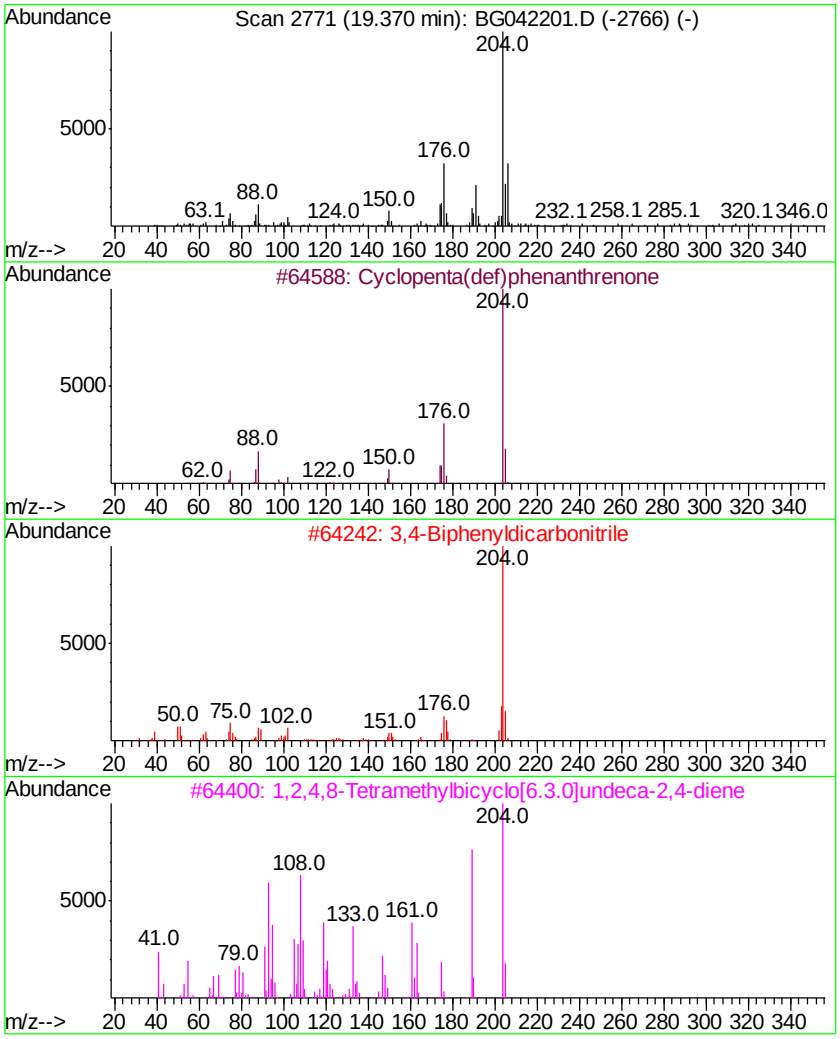
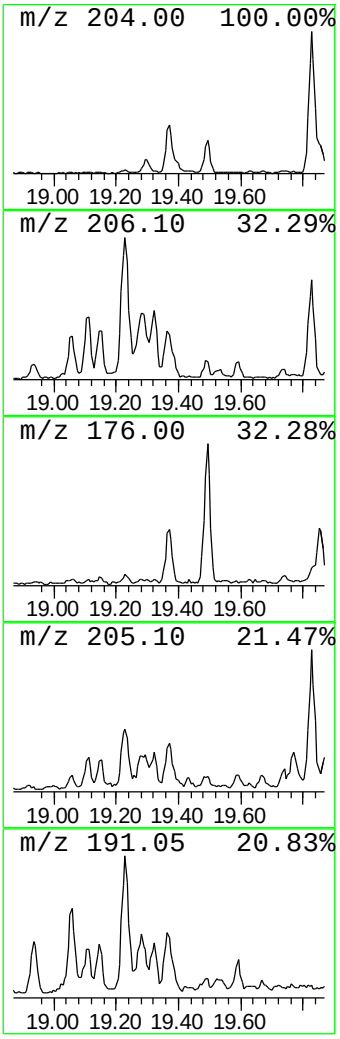
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.37	2.24 ng/ul	129757	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	70
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	50
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
5	L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	47





Library Search Compound Report

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Acq On : 14 Aug 2019 8:41
Operator : HP/JU
Sample : K4304-07
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Instrument : BNA_G
ClientSampleId : CB5N8

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Quant Title : SVOA CALIBRATION

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

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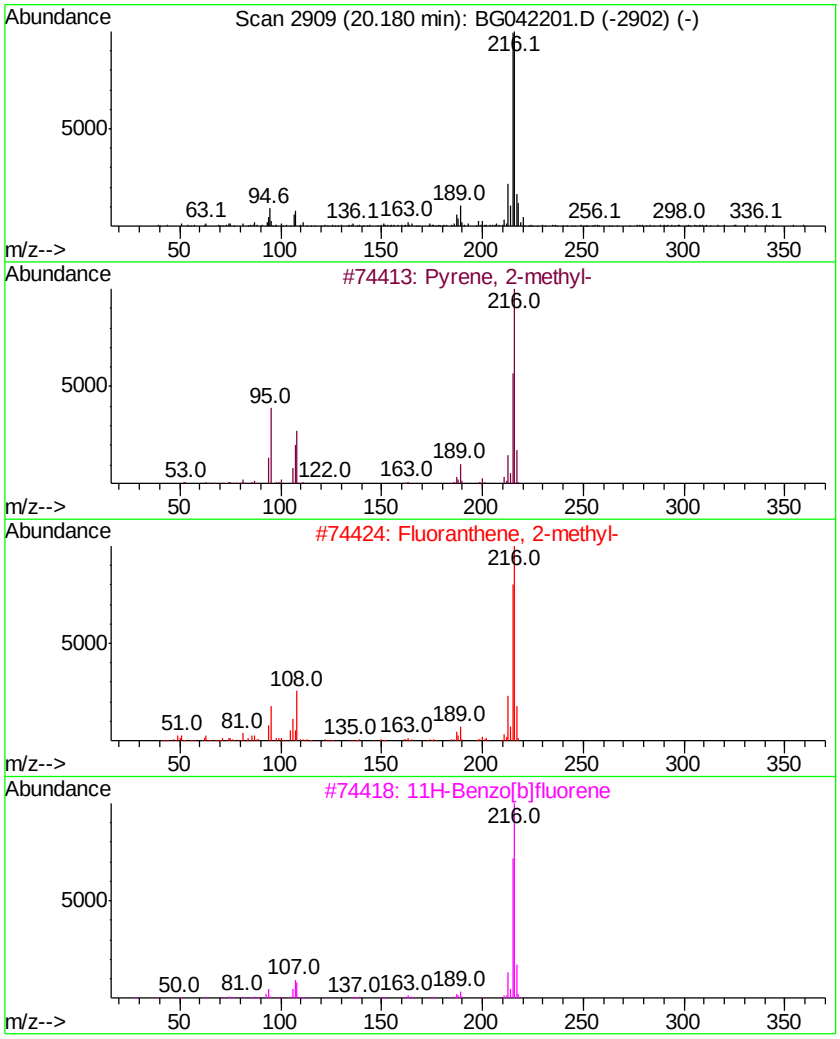
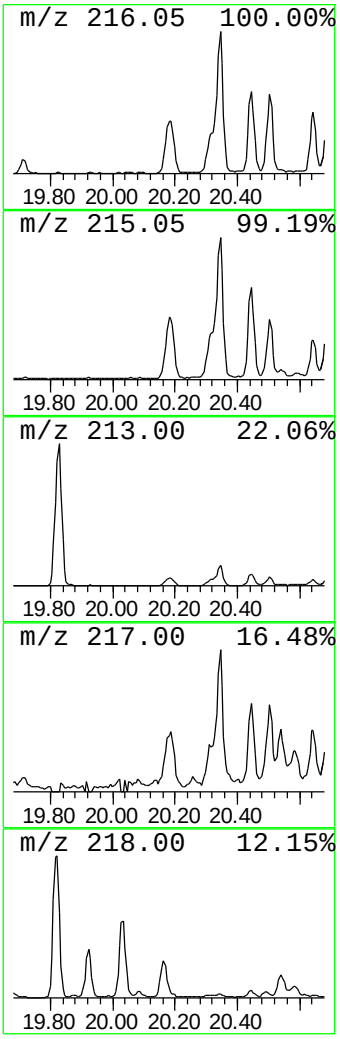
Peak Number 11 Pyrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.18	2.06 ng/ul	285206	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	92
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76





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Operator : HP/JU
Sample : K4304-07
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5N8

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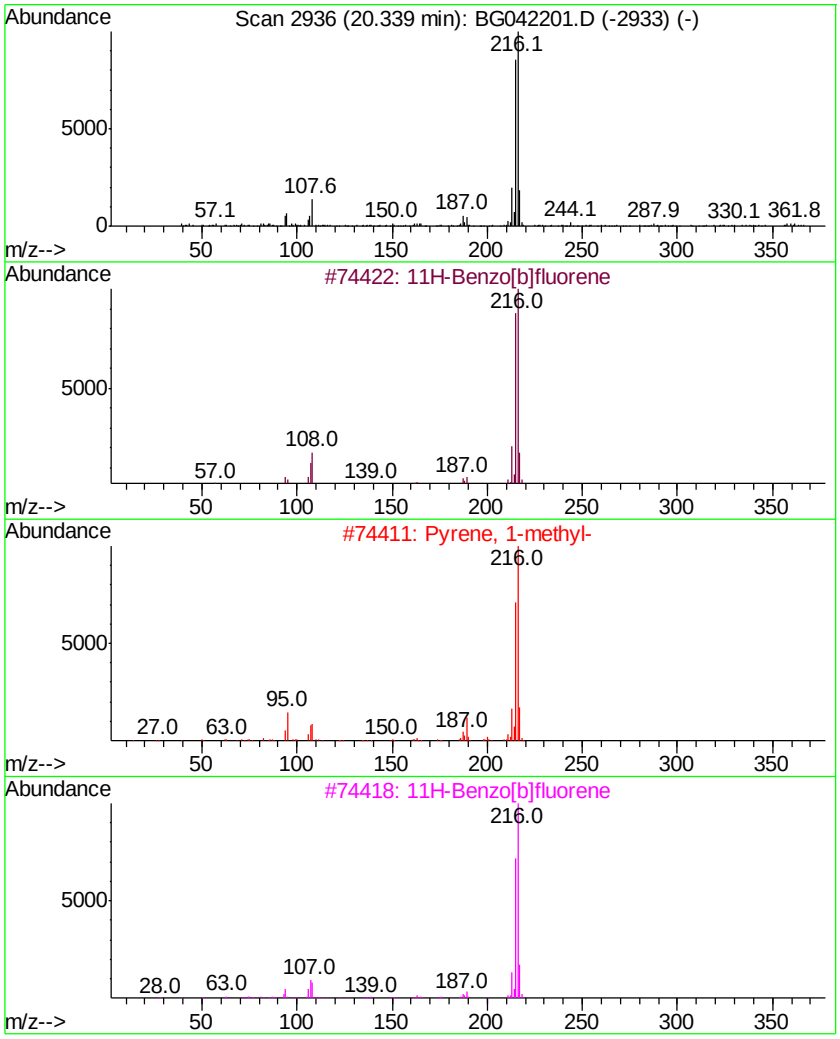
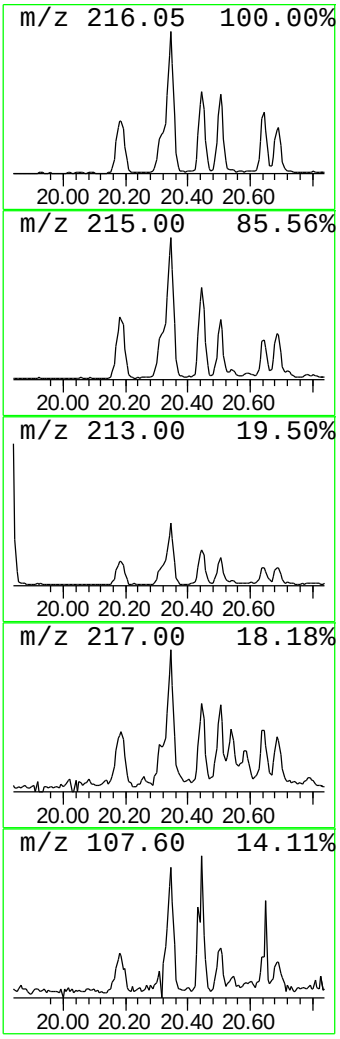
Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.34	2.55 ng/ul	352378	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	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90





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Instrument : BNA_G
ClientSampleId : CB5N8

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Quant Title : SVOA CALIBRATION

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

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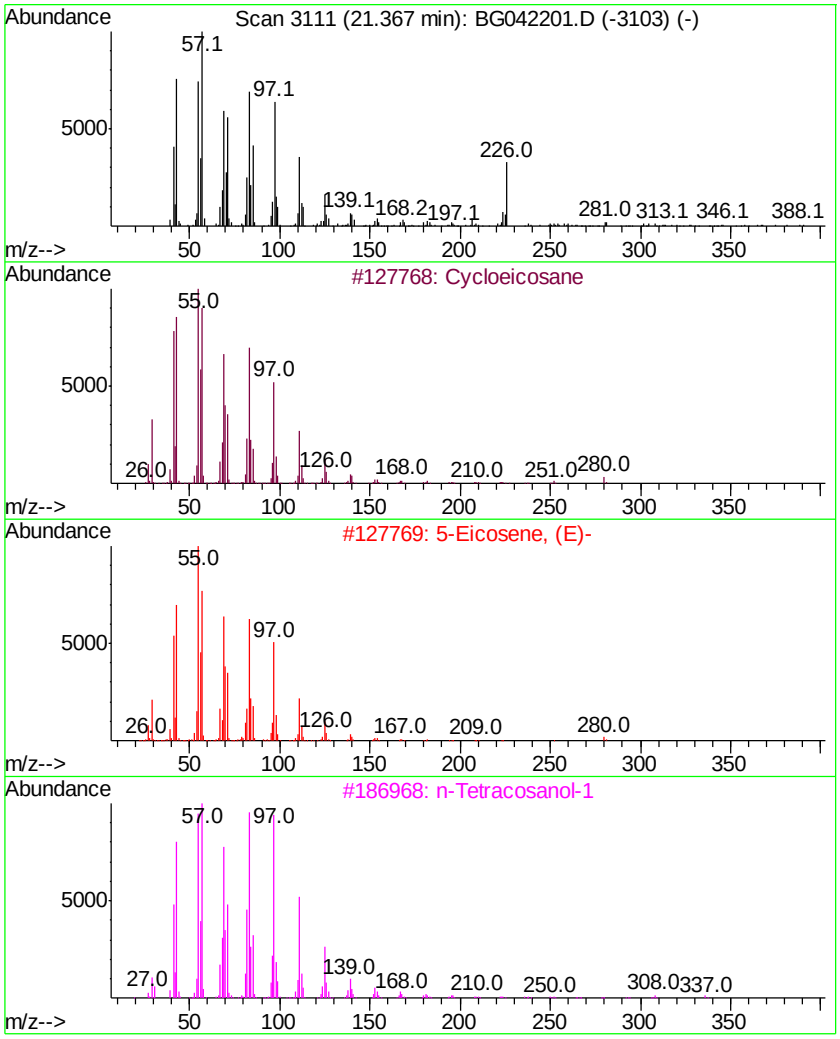
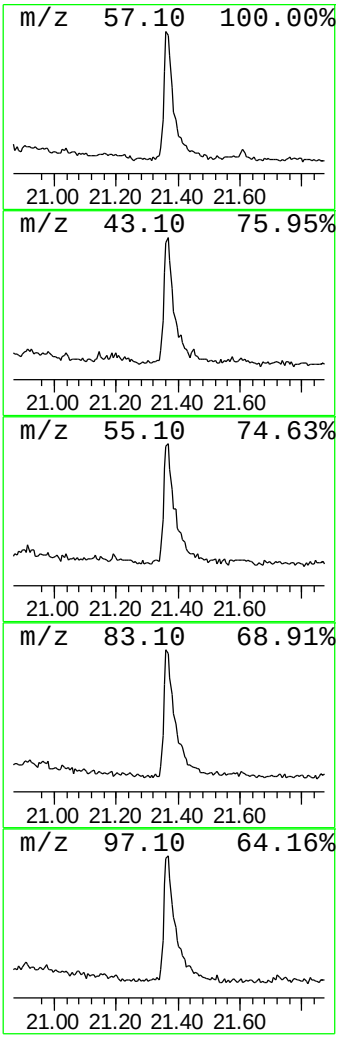
Peak Number 13 (DEL) Alkane: Cyclic21.37 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.37	4.70 ng/ul	649964	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloeicosane	280	C20H40	000296-56-0	99
2	5-Eicosene, (E)-	280	C20H40	074685-30-6	93
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	91
4	Cyclohexadecane	224	C16H32	000295-65-8	91
5	1-Octadecene	252	C18H36	000112-88-9	89





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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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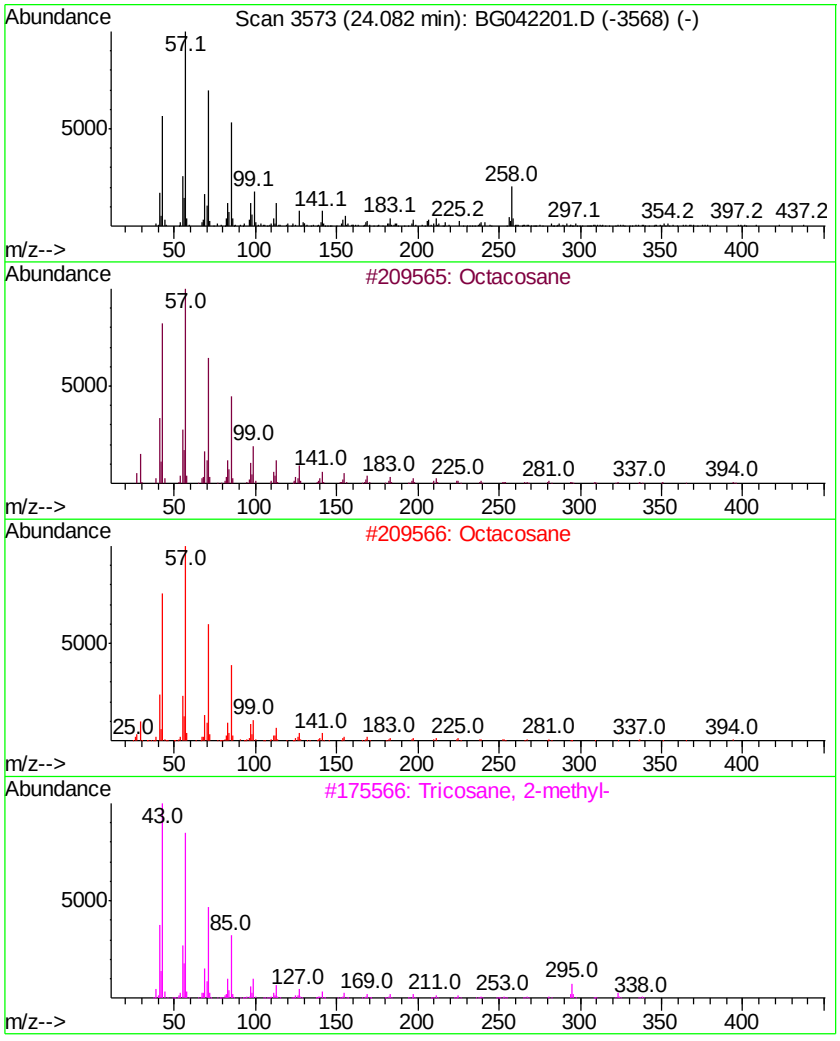
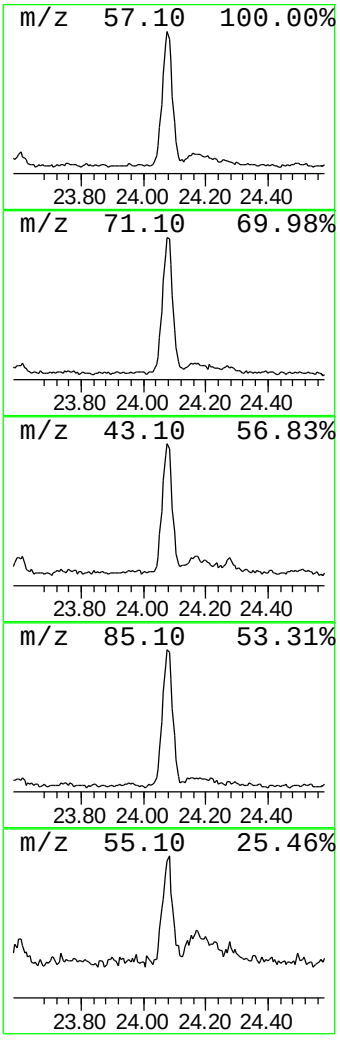
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.08	5.32 ng/ul	374075	Perylene-d12	24.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	94
2	Octacosane	394	C28H58	000630-02-4	93
3	Tricosane, 2-methyl-	338	C24H50	001928-30-9	91
4	Hentriacontane	437	C31H64	000630-04-6	87
5	2-methyloctacosane	408	C29H60	1000376-72-8	87





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Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5N8

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Quant Title : SVOA CALIBRATION

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

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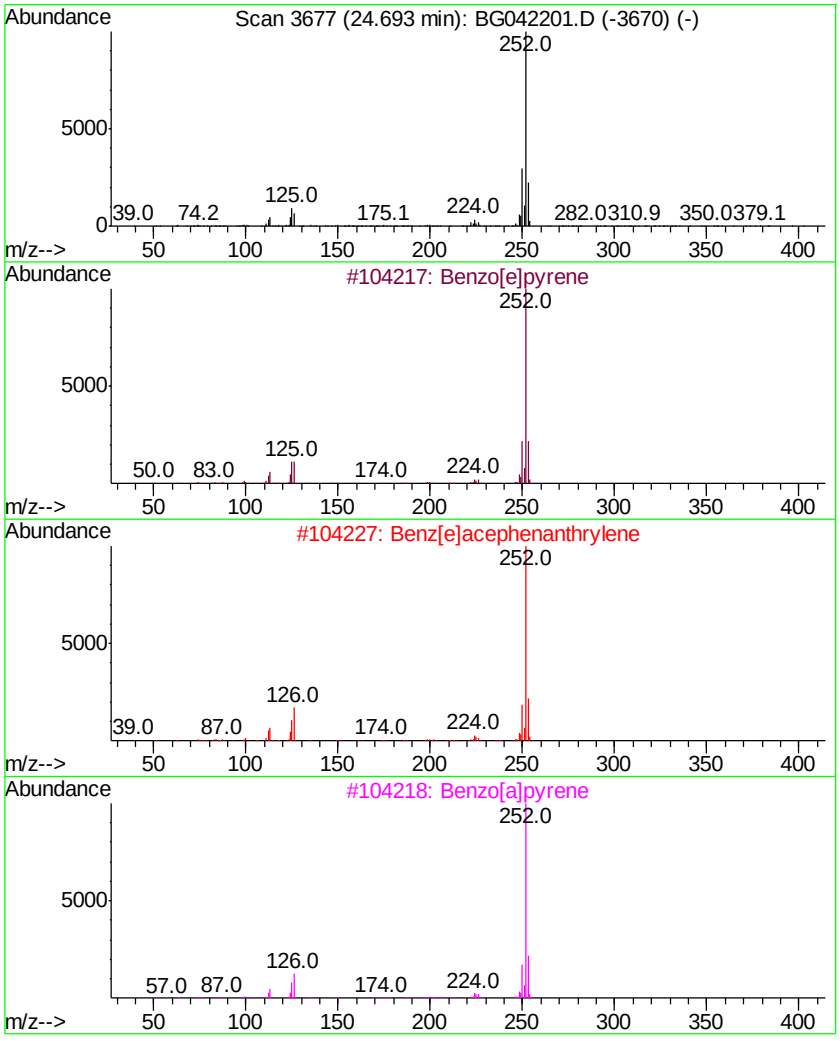
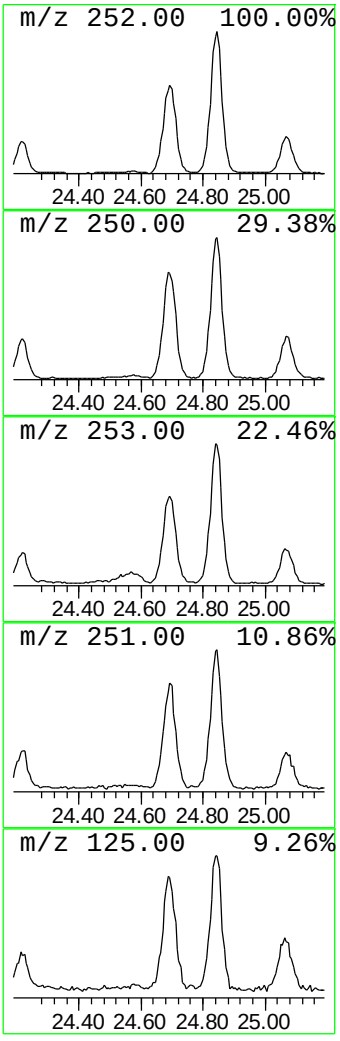
Peak Number 15 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.69	7.71 ng/ul	541928	Perylene-d12	24.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Perylene	252	C20H12	000198-55-0	91
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91





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Instrument : BNA_G
ClientSampleId : CB5N8

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Quant Title : SVOA CALIBRATION

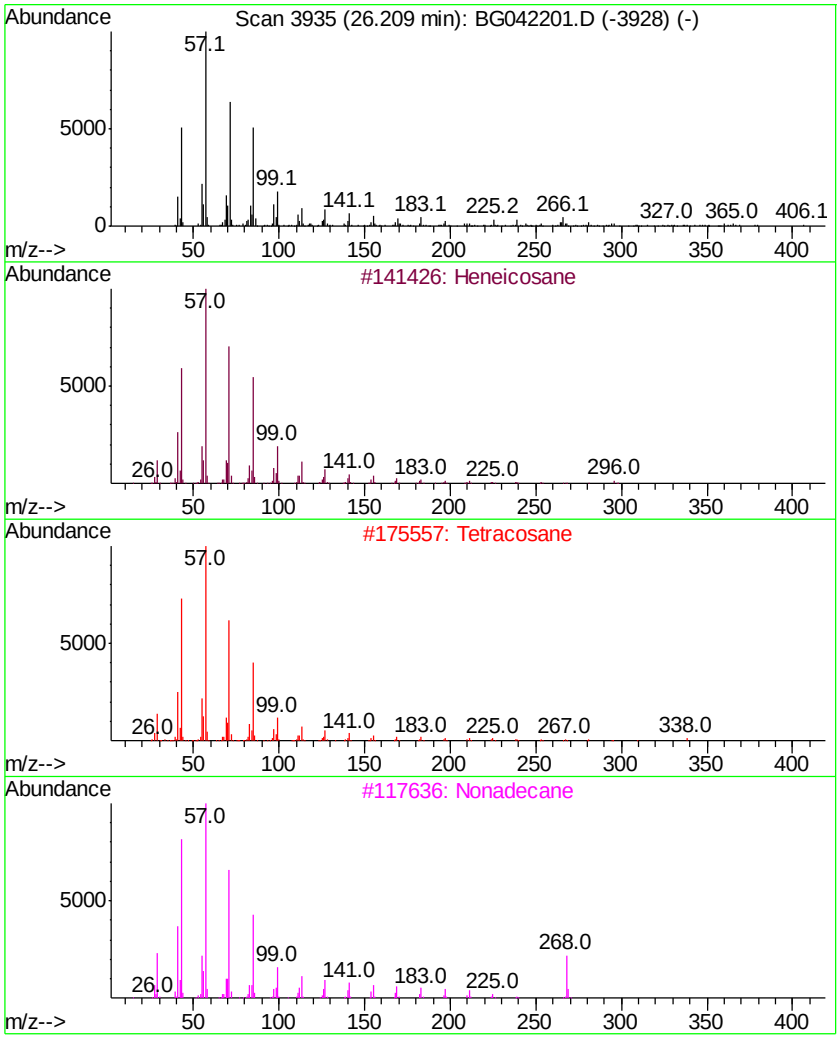
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

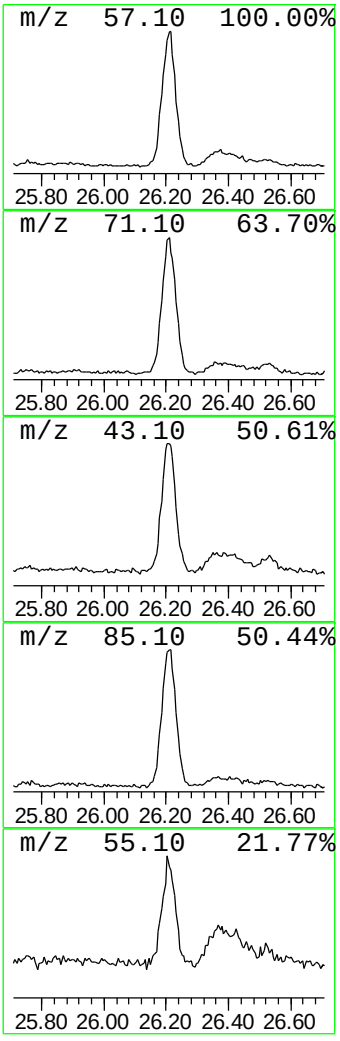
****

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.21	7.07 ng/ul	497556	Perylene-d12	24.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	99
2	Tetracosane	338	C24H50	000646-31-1	91
3	Nonadecane	268	C19H40	000629-92-5	91
4	Tricosane, 2-methyl-	338	C24H50	001928-30-9	90
5	Tetracosane	338	C24H50	000646-31-1	90





Tentatively Identified Compound (LSC) summary

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Operator : HP/JU
Sample : K4304-07
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB5N8

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	164.8	ng/ul	3530820	1	8.02	428524	20.0
Toluene	4.17	4.2	ng/ul	88872	1	8.02	428524	20.0
(DEL) Alkane: Cyc...	9.35	2.3	ng/ul	50145	1	8.02	428524	20.0
Anthracene, 9-met...	18.32	3.3	ng/ul	191904	4	17.44	1157870	20.0
Phenanthrene, 1-m...	18.36	4.6	ng/ul	265357	4	17.44	1157870	20.0
4H-Cyclopenta[def...	18.51	6.4	ng/ul	369585	4	17.44	1157870	20.0
Phenanthrene, 2-m...	18.55	2.0	ng/ul	117594	4	17.44	1157870	20.0
5,16[1',2']:8,13[...	18.81	2.7	ng/ul	155763	4	17.44	1157870	20.0
Phenanthrene, 2,5...	19.23	2.7	ng/ul	156851	4	17.44	1157870	20.0
Cyclopenta(def)ph...	19.37	2.2	ng/ul	129757	4	17.44	1157870	20.0
Pyrene, 2-methyl-	20.18	2.1	ng/ul	285206	5	21.72	2768080	20.0
11H-Benzo[b]fluorene	20.34	2.5	ng/ul	352378	5	21.72	2768080	20.0
(DEL) Alkane: Cyc...	21.37	4.7	ng/ul	649964	5	21.72	2768080	20.0
(DEL) Alkane: Str...	24.08	5.3	ng/ul	374075	6	24.99	1406660	20.0
Benzo[e]pyrene	24.69	7.7	ng/ul	541928	6	24.99	1406660	20.0
(DEL) Alkane: Str...	26.21	7.1	ng/ul	497556	6	24.99	1406660	20.0