LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019493.D
Acq On : 5 Nov 2015 15:28
Operator : UM/NP
Sample : G4273-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.128	43	49	57	rBV2	92151	196648	6.61%	0.466%
2	3.205	57	62	84	rVB	716206	1090067	36.63%	2.581%
3	7.324	757	763	774	rBV2	142786	255905	8.60%	0.606%
4	7.494	786	792	800	rVB	107319	177070	5.95%	0.419%
5	7.705	822	828	837	rVB	131476	223589	7.51%	0.529%
6	8.181	902	909	916	rBV	167192	291294	9.79%	0.690%
7	8.881	1021	1028	1036	rBV	177859	316767	10.64%	0.750%
8	9.351	1101	1108	1117	rBV	151401	264819	8.90%	0.627%
9	10.079	1225	1232	1241	rVV2	137685	246369	8.28%	0.583%
10	10.620	1315	1324	1333	rBV	196079	344886	11.59%	0.817%
11	11.007	1383	1390	1396	rBV	242862	435589	14.64%	1.031%
12	11.137	1406	1412	1420	rBV2	249607	447705	15.04%	1.060%
13	12.653	1664	1670	1676	rVB	70567	116485	3.91%	0.276%
14	12.870	1700	1707	1713	rVB2	64960	111825	3.76%	0.265%
15	14.127	1913	1921	1926	rVV3	44083	82645	2.78%	0.196%
16	14.204	1926	1934	1938	rVV	412857	619715	20.82%	1.467%
17	14.251	1938	1942	1949	rVB	214558	312112	10.49%	0.739%
18	14.503	1979	1985	1996	rVB	381770	652969	21.94%	1.546%
19	14.809	2032	2037	2043	rVV	442425	698876	23.48%	1.655%
20	14.874	2043	2048	2054	rVB	399133	626151	21.04%	1.483%
21	14.991	2062	2068	2080	rVB	200865	328484	11.04%	0.778%
22	15.203	2097	2104	2111	rVV	225076	358722	12.05%	0.849%
23	15.796	2194	2205	2210	rVV	546630	881981	29.64%	2.088%
24	15.849	2210	2214	2219	rVV	484771	738955	24.83%	1.750%
25	15.902	2219	2223	2228	rVV	200796	315777	10.61%	0.748%
26	16.013	2237	2242	2247	rVV4	89938	171433	5.76%	0.406%
27	16.101	2253	2257	2259	rVV2	53127	75521	2.54%	0.179%
28	16.143	2259	2264	2271	rVB	116910	192179	6.46%	0.455%
29	16.284	2284	2288	2296	rVV	132250	268951	9.04%	0.637%
30	16.489	2316	2323	2332	rBV4	70192	164026	5.51%	0.388%
31	16.642	2344	2349	2356	rVV3	55358	93194	3.13%	0.221%
32	16.848	2374	2384	2389	rVV3	108158	227043	7.63%	0.538%
33	16.901	2389	2393	2398	rVB2	44722	64793	2.18%	0.153%
34	17.000	2404	2410	2414	rVB4	46213	79501	2.67%	0.188%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019493.D
Acq On : 5 Nov 2015 15:28
Operator : UM/NP
Sample : G4273-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

35	17.077	2415	2423	2427	rBV5	52958	123432	4.15%	0.292%
36	17.271	2450	2456	2464	rBV4	72098	186808	6.28%	0.442%
37	17.365	2468	2472	2481	rVB	125232	207867	6.99%	0.492%
38	17.553	2497	2504	2507	rBV	656660	1023538	34.39%	2.424%
39	17.594	2507	2511	2516	rVV	1229581	1814432	60.97%	4.296%
40	17.647	2516	2520	2523	rVV2	642733	942390	31.67%	2.232%
41	17.682	2523	2526	2531	rVV	497526	708094	23.79%	1.677%
42	17.729	2531	2534	2539	rVB2	36578	64106	2.15%	0.152%
43	17.946	2566	2571	2574	rBV2	54570	86986	2.92%	0.206%
44	18.064	2587	2591	2596	rBV	45155	70646	2.37%	0.167%
45	18.416	2646	2651	2656	rVV	160117	251922	8.47%	0.597%
46	18.469	2656	2660	2666	rVB	204304	295141	9.92%	0.699%
47	18.552	2668	2674	2679	rBV	169202	262248	8.81%	0.621%
48	18.622	2679	2686	2689	rBV2	414920	697051	23.42%	1.651%
49	18.651	2689	2691	2695	rVB	133450	149645	5.03%	0.354%
50	18.910	2730	2735	2740	rVB	197983	277774	9.33%	0.658%
51	19.157	2773	2777	2781	rBV2	51605	70179	2.36%	0.166%
52	19.321	2799	2805	2811	rBV2	106617	207929	6.99%	0.492%
53	19.392	2811	2817	2820	rBV2	55904	99764	3.35%	0.236%
54	19.592	2844	2851	2857	rBV	2108392	2975870	100.00%	7.047%
55	19.738	2871	2876	2885	rVV	196883	314188	10.56%	0.744%
56	19.832	2886	2892	2900	rVB4	64449	161759	5.44%	0.383%
57	19.921	2901	2907	2910	rBV2	1068255	1866749	62.73%	4.420%
58	19.956	2910	2913	2919	rVV	1396466	1916603	64.40%	4.538%
59	20.015	2919	2923	2929	rVB3	119754	184472	6.20%	0.437%
60	20.120	2936	2941	2947	rVB	157822	235091	7.90%	0.557%
61	20.273	2959	2967	2973	rBV3	149519	378344	12.71%	0.896%
62	20.438	2982	2995	3002	rVV	519983	942867	31.68%	2.233%
63	20.537	3006	3012	3016	rVV	526607	775524	26.06%	1.836%
64	20.596	3016	3022	3026	rVV2	178249	377941	12.70%	0.895%
65	20.631	3026	3028	3031	rVV3	58189	68674	2.31%	0.163%
66	20.684	3031	3037	3042	rVV4	62388	154404	5.19%	0.366%
67	20.737	3042	3046	3049	rVV	100036	168402	5.66%	0.399%
68	20.778	3049	3053	3062	rVB	142383	272722	9.16%	0.646%
69	21.031	3092	3096	3099	rVV5	66575	94342	3.17%	0.223%
70	21.066	3099	3102	3108	rVB3	54754	86013	2.89%	0.204%
71	21.160	3112	3118	3123	rBV	91154	182437	6.13%	0.432%

LSC Area Percent Report

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Data File : BG019493.D
Acq On : 5 Nov 2015 15:28
Operator : UM/NP
Sample : G4273-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

72	21.395	3154	3158	3161	rBV	91110	130528	4.39%	0.309%
73	21.436	3161	3165	3170	rVV	121641	195667	6.58%	0.463%
74	21.489	3170	3174	3178	rVV2	68877	98842	3.32%	0.234%
75	21.689	3204	3208	3214	rVB2	80799	126424	4.25%	0.299%
76	21.818	3222	3230	3236	rBV2	1091136	2951569	99.18%	6.989%
77	21.877	3236	3240	3252	rVB	635794	1105989	37.17%	2.619%
78	22.036	3262	3267	3273	rBV2	66910	134458	4.52%	0.318%
79	22.100	3274	3278	3285	rVV3	51146	105146	3.53%	0.249%
80	22.183	3287	3292	3296	rVB2	63325	120218	4.04%	0.285%
81	22.241	3297	3302	3311	rVV4	79593	150242	5.05%	0.356%
82	22.500	3342	3346	3351	rVV3	42893	83718	2.81%	0.198%
83	22.582	3352	3360	3365	rVV	151117	373004	12.53%	0.883%
84	22.653	3368	3372	3379	rVB2	75824	150826	5.07%	0.357%
85	22.758	3384	3390	3392	rVV4	38727	88235	2.97%	0.209%
86	22.799	3393	3397	3403	rVV5	80443	180353	6.06%	0.427%
87	22.864	3404	3408	3412	rVV2	72376	145007	4.87%	0.343%
88	22.917	3412	3417	3426	rVB3	99728	227109	7.63%	0.538%
89	23.011	3426	3433	3439	rBV6	43702	111473	3.75%	0.264%
90	23.552	3521	3525	3532	rVB7	36219	76174	2.56%	0.180%
91	24.110	3610	3620	3628	rBV	322792	1166595	39.20%	2.762%
92	24.374	3658	3665	3676	rVB2	88865	237812	7.99%	0.563%
93	24.597	3693	3703	3705	rBV8	32681	86810	2.92%	0.206%
94	24.862	3741	3748	3754	rBV	141289	378301	12.71%	0.896%
95	24.944	3754	3762	3769	rVV2	394071	1168384	39.26%	2.767%
96	25.015	3769	3774	3785	rVB2	312961	845361	28.41%	2.002%
97	25.179	3791	3802	3809	rBV	424465	1229710	41.32%	2.912%
98	28.998	4443	4452	4453	rBV2	91136	175388	5.89%	0.415%
99	29.509	4526	4539	4540	rBV6	41469	117958	3.96%	0.279%
100	30.191	4646	4655	4656	rBV5	49037	101216	3.40%	0.240%

Sum of corrected areas: 42230917

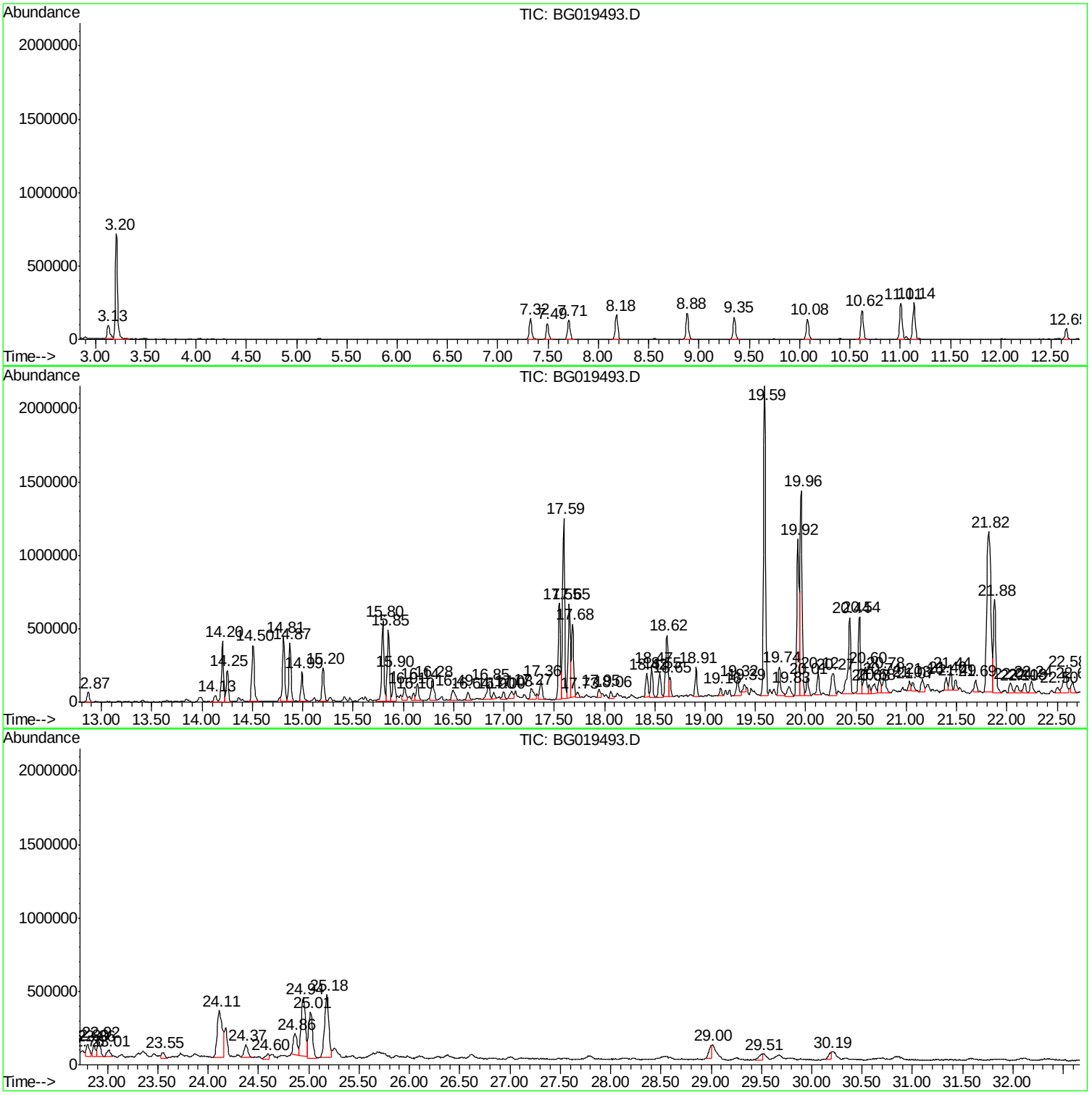
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019493.D
Acq On : 5 Nov 2015 15:28
Operator : UM/NP
Sample : G4273-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3

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

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



Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019493.D
Acq On : 5 Nov 2015 15:28
Operator : UM/NP
Sample : G4273-07
Misc :
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Instrument : BNA_G
ClientSampleId : C0AP3

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

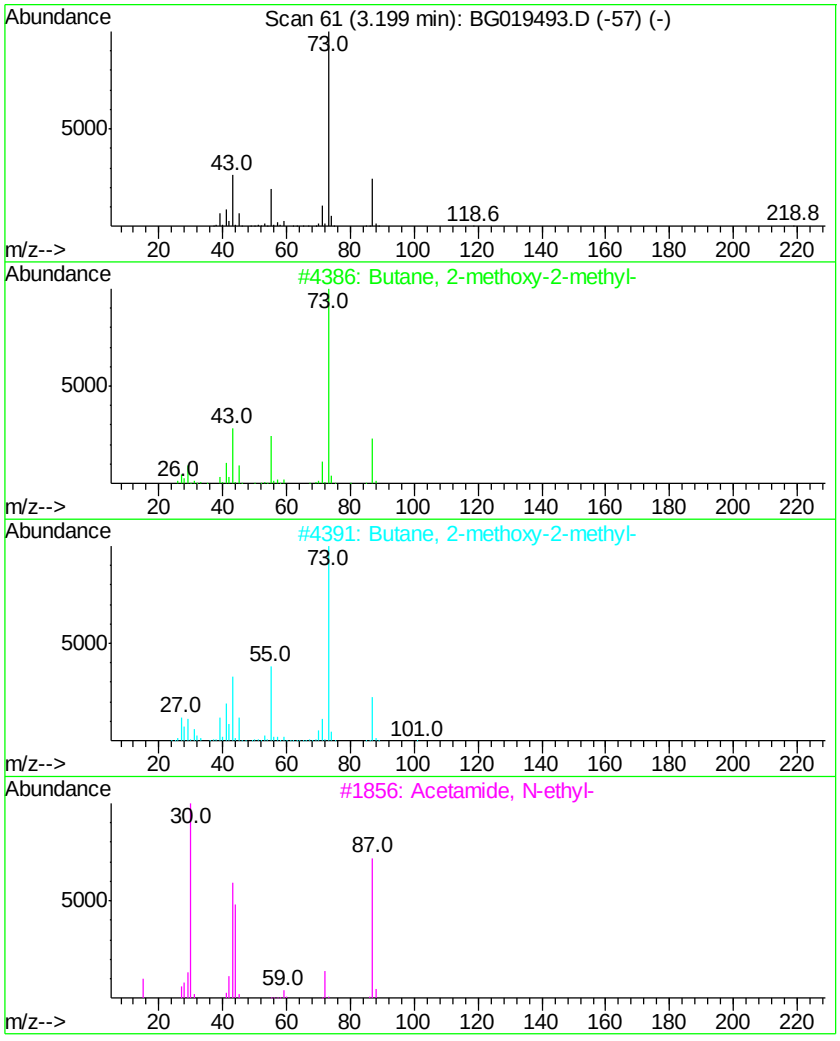
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

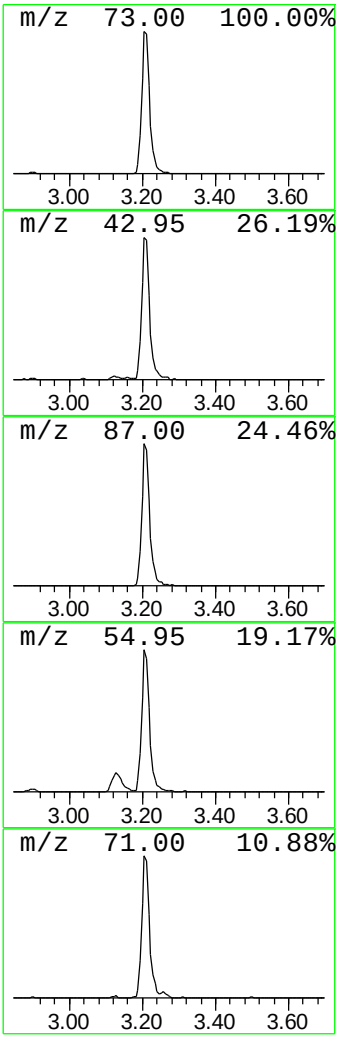
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.20	74.84 ng/ul	1090070	1,4-Dichlorobenzene-d4	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	74
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	10
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019493.D
Acq On : 5 Nov 2015 15:28
Operator : UM/NP
Sample : G4273-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3

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

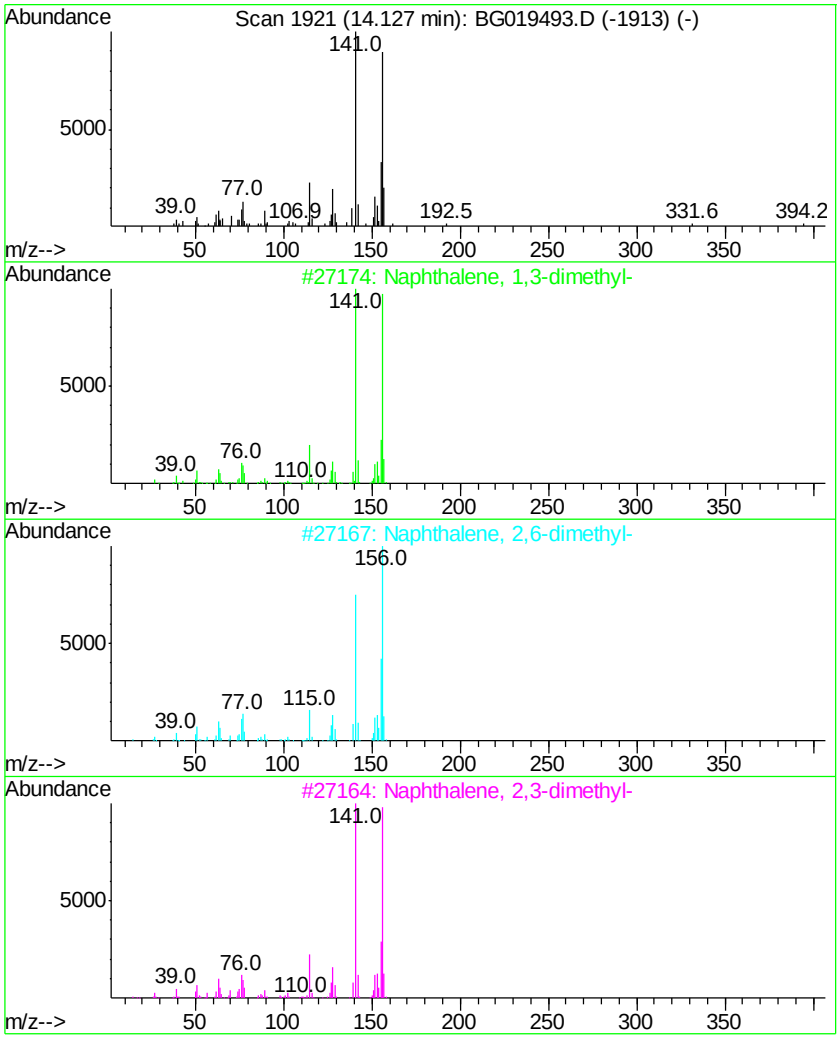
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

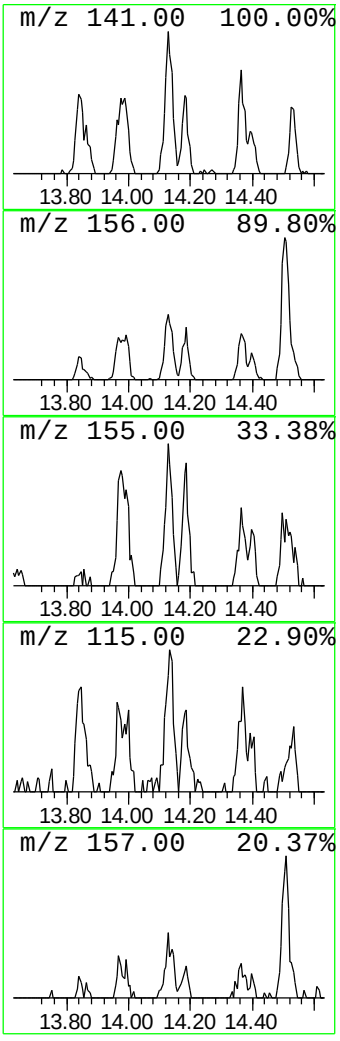
****

Peak Number 3 Naphthalene, 1,3-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	2.37 ng/ul	82645	Acenaphthene-d10	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	93
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	91
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019493.D
Acq On : 5 Nov 2015 15:28
Operator : UM/NP
Sample : G4273-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3

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

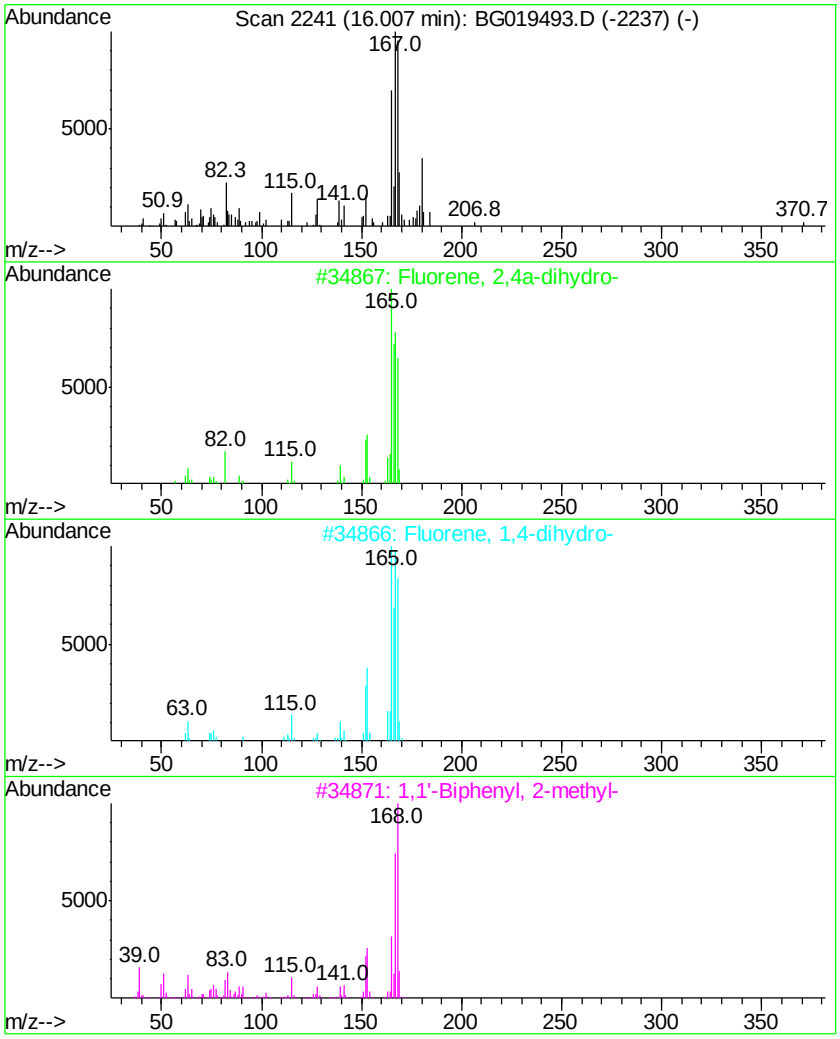
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

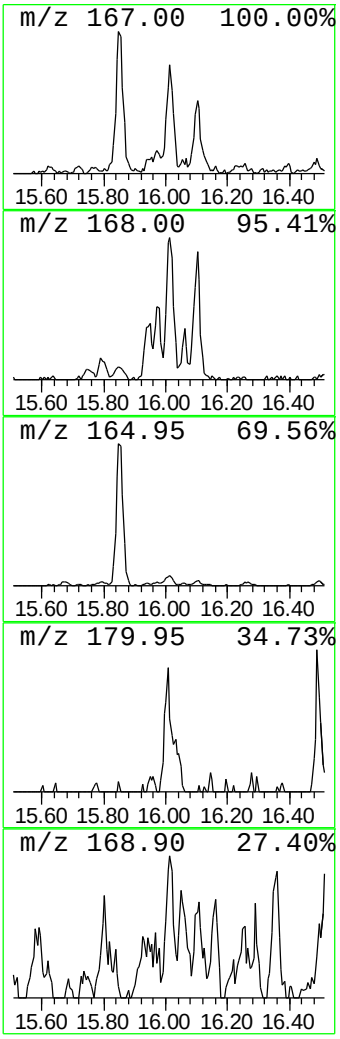
****

Peak Number 4 Fluorene, 2,4a-dihydro- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	4.91 ng/ul	171433	Acenaphthene-d10	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	64
2	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	60
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	55
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	55
5	Diphenylmethane	168	C13H12	000101-81-5	52





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019493.D
Acq On : 5 Nov 2015 15:28
Operator : UM/NP
Sample : G4273-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3

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

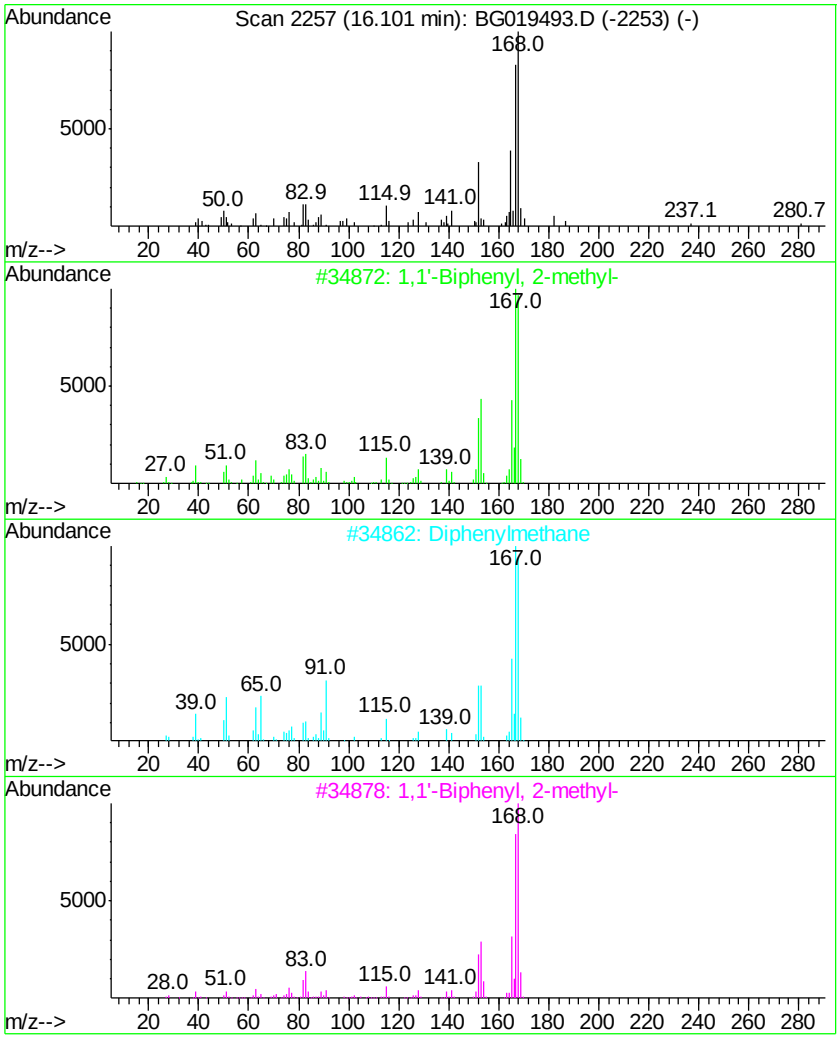
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

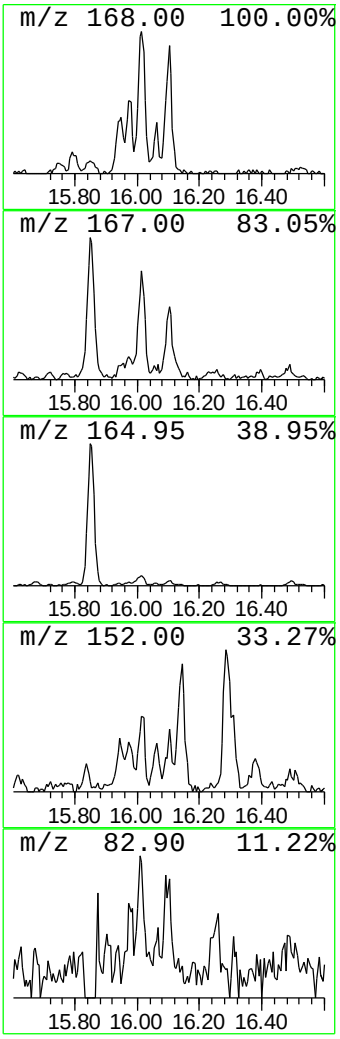
****

Peak Number 5 1,1'-Biphenyl, 2-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.10	2.16 ng/ul	75521	Acenaphthene-d10	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	89
2	Diphenylmethane	168	C13H12	000101-81-5	59
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	58
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	58
5	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	58





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019493.D
Acq On : 5 Nov 2015 15:28
Operator : UM/NP
Sample : G4273-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3

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

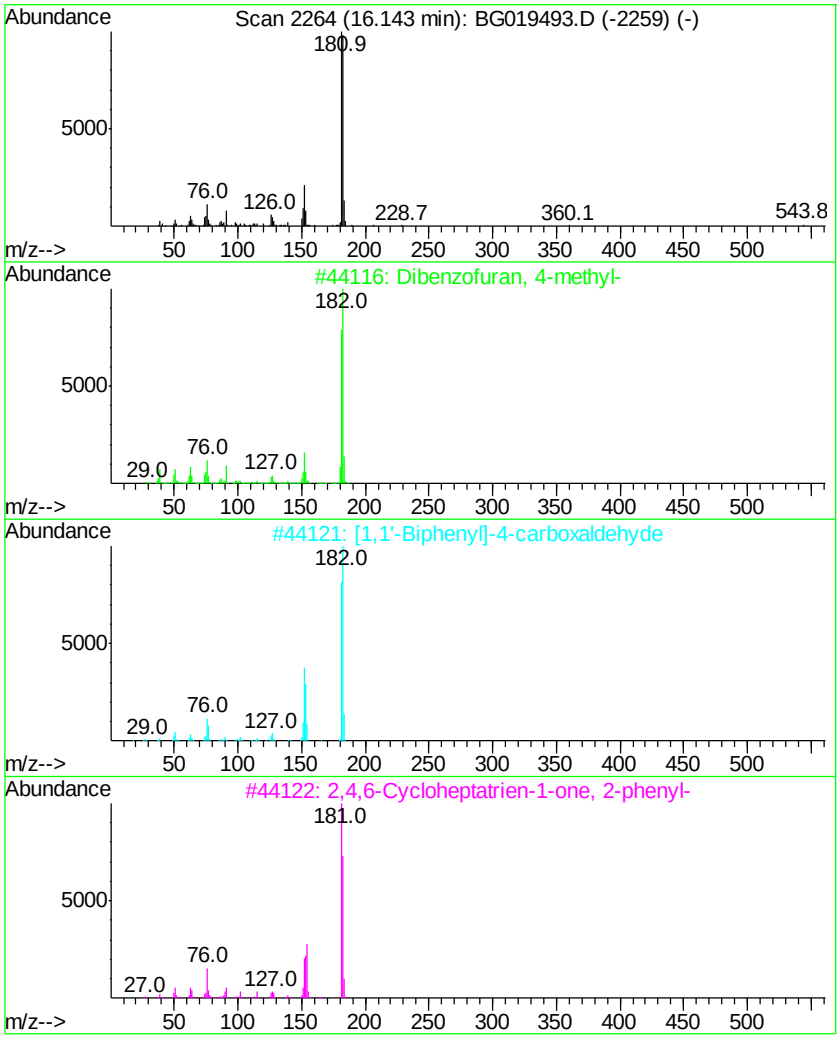
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

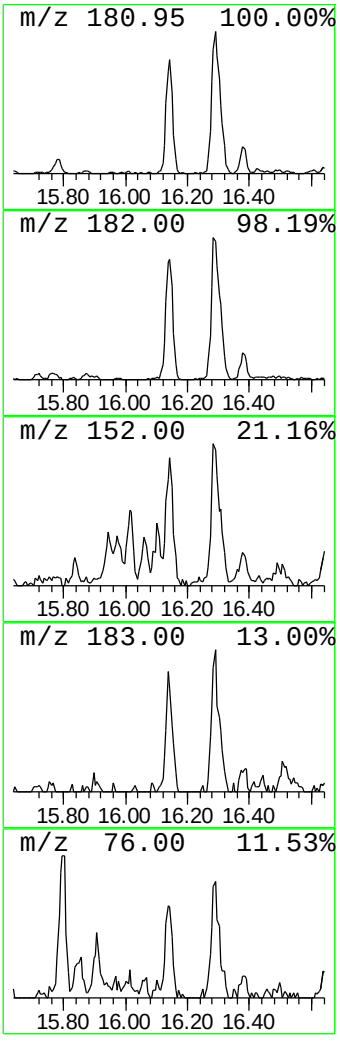
****

Peak Number 6 Dibenzofuran, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.14	5.50 ng/ul	192179	Acenaphthene-d10	14.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





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Operator : UM/NP
Sample : G4273-07
Misc :
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Instrument : BNA_G
ClientSampleId : C0AP3

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Quant Title : SVOA CALIBRATION

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

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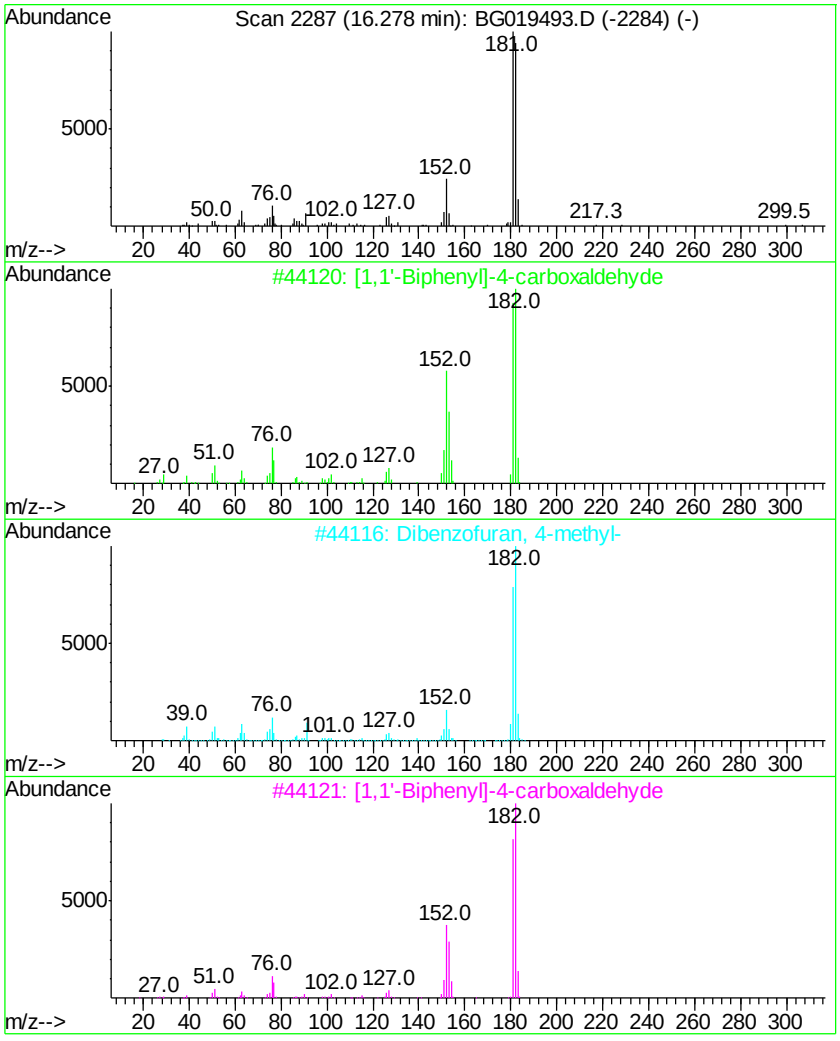
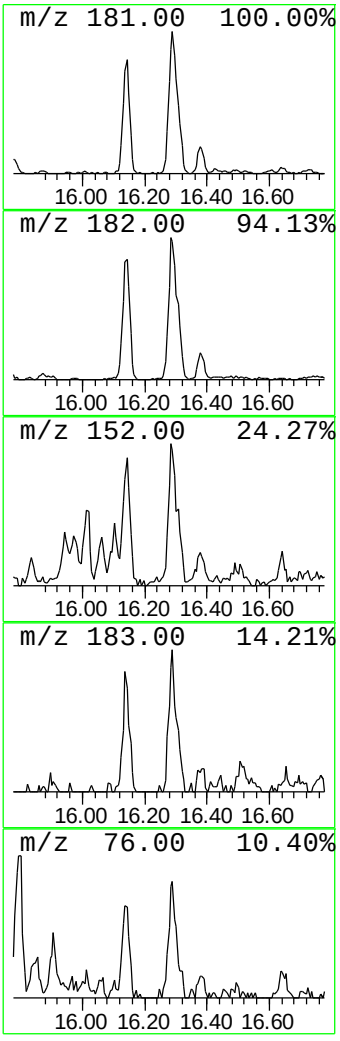
Peak Number 7 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.28	5.26 ng/ul	268951	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72





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Instrument : BNA_G
ClientSampleId : C0AP3

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Quant Title : SVOA CALIBRATION

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

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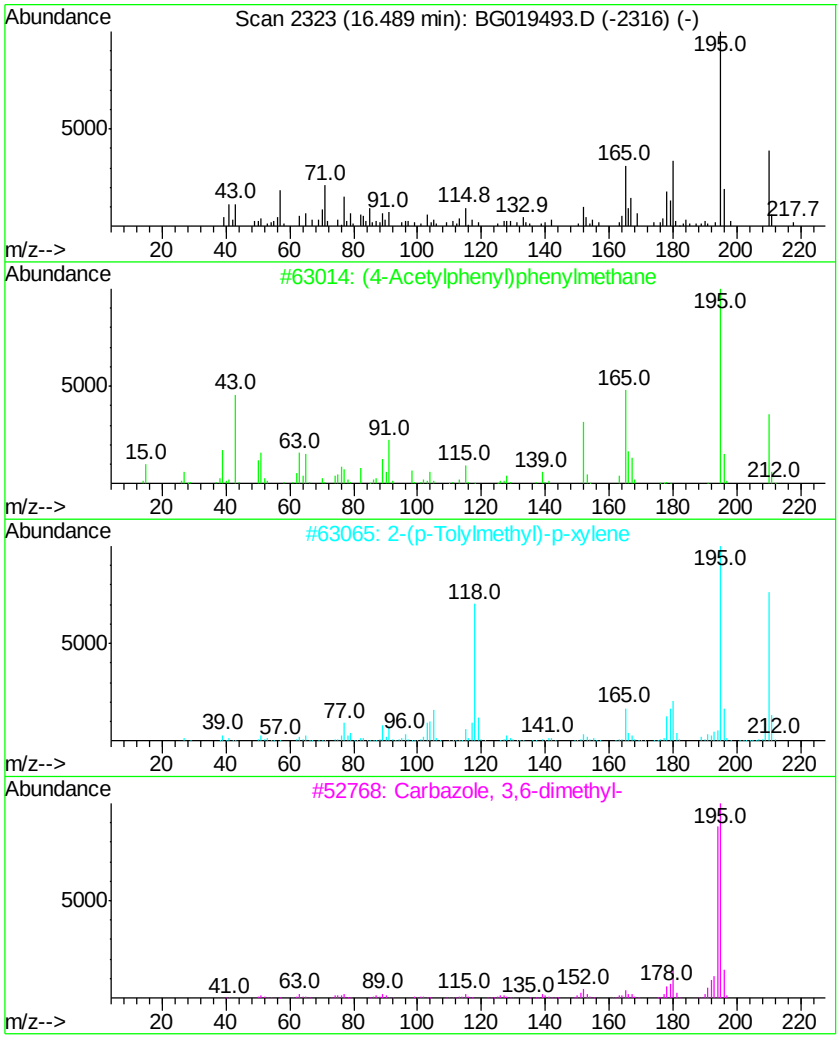
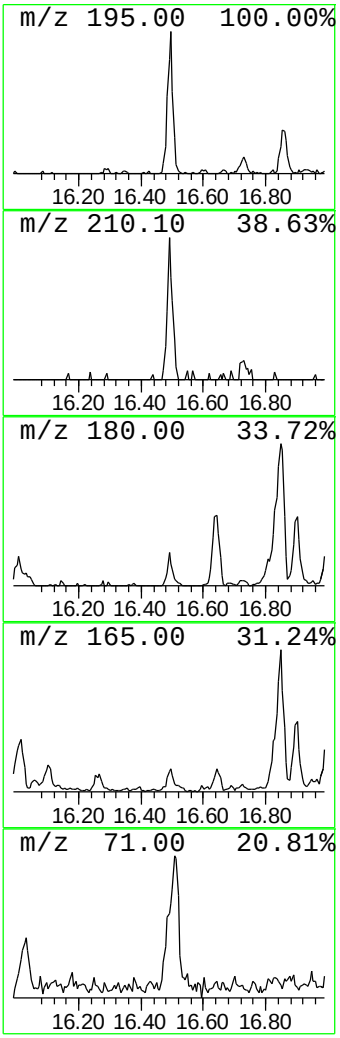
Peak Number 8 (4-Acetylphenyl)phenylmethane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	3.21 ng/ul	164026	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	76
2	2-(p-Tolylmethyl)-p-xylene	210	C16H18	000721-45-9	64
3	Carbazole, 3,6-dimethyl-	195	C14H13N	005599-50-8	64
4	Carbazole, 1,5-dimethyl-	195	C14H13N	051640-60-9	59
5	Carbazole, 3,5-dimethyl-	195	C14H13N	078787-81-2	58





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Quant Title : SVOA CALIBRATION

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

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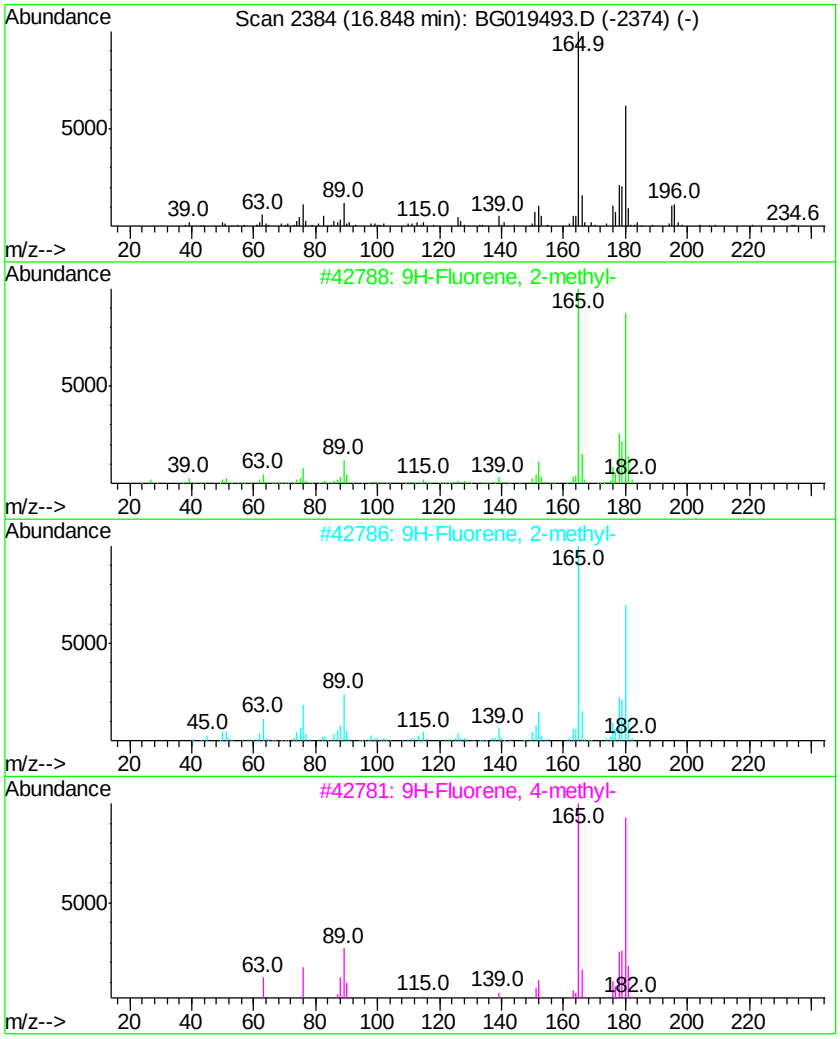
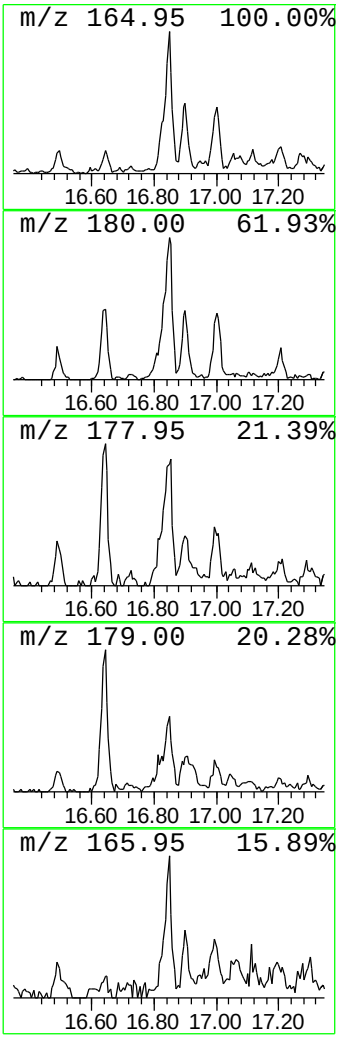
Peak Number 9 9H-Fluorene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.85	4.44 ng/ul	227043	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
3	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	89
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89





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ClientSampleId : C0AP3

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Quant Title : SVOA CALIBRATION

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

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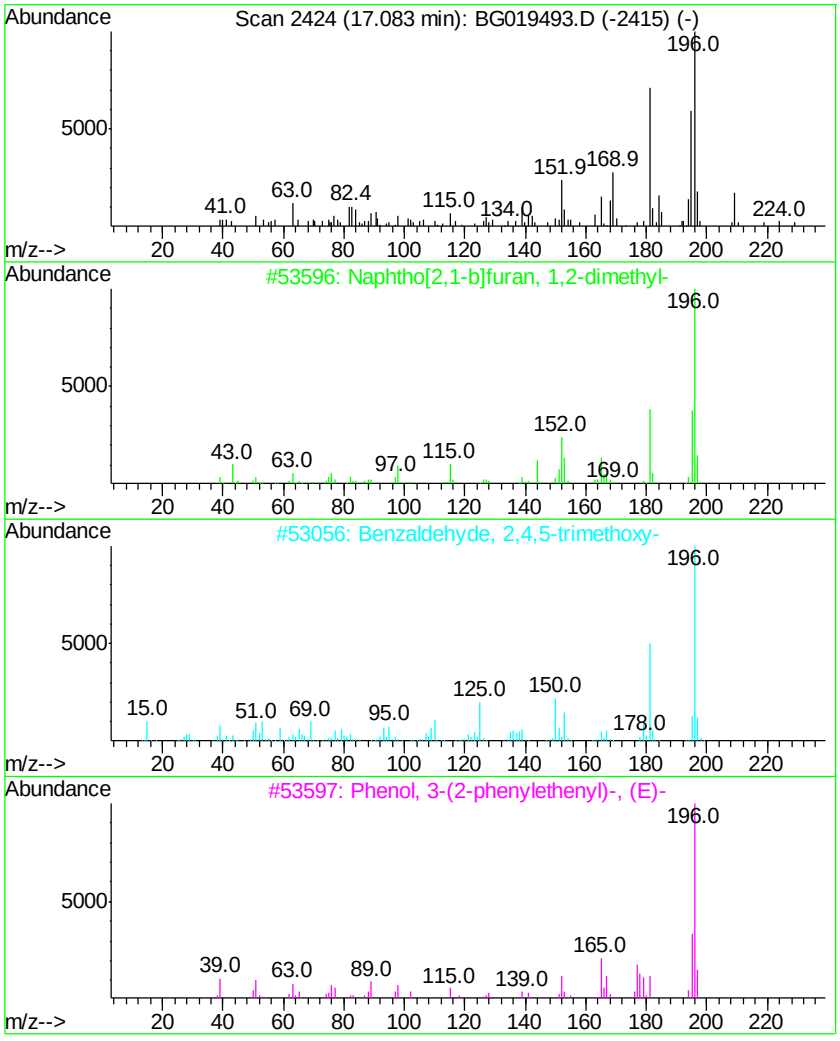
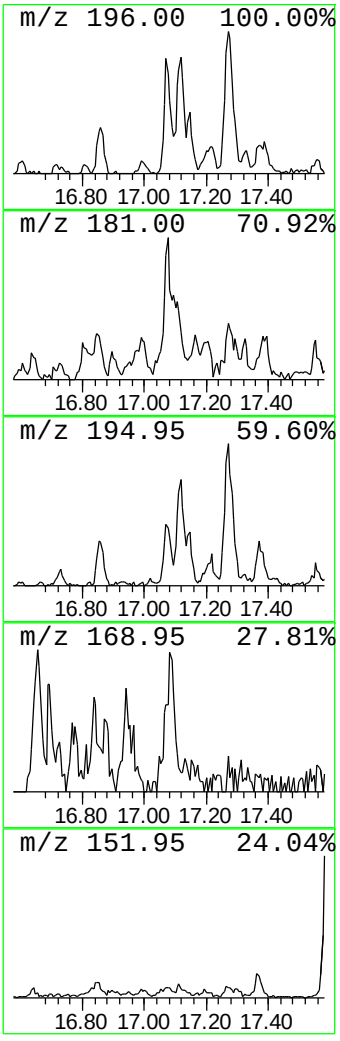
Peak Number 10 Naphtho[2,1-b]furan, 1,2-di... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.08	2.41 ng/ul	123432	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	50
2	Benzaldehyde, 2,4,5-trimethoxy-	196	C10H12O4	004460-86-0	50
3	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	46
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	46
5	Methanone, diphenyl-, hydrazone	196	C13H12N2	005350-57-2	43





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Instrument : BNA_G
ClientSampleId : C0AP3

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Quant Title : SVOA CALIBRATION

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

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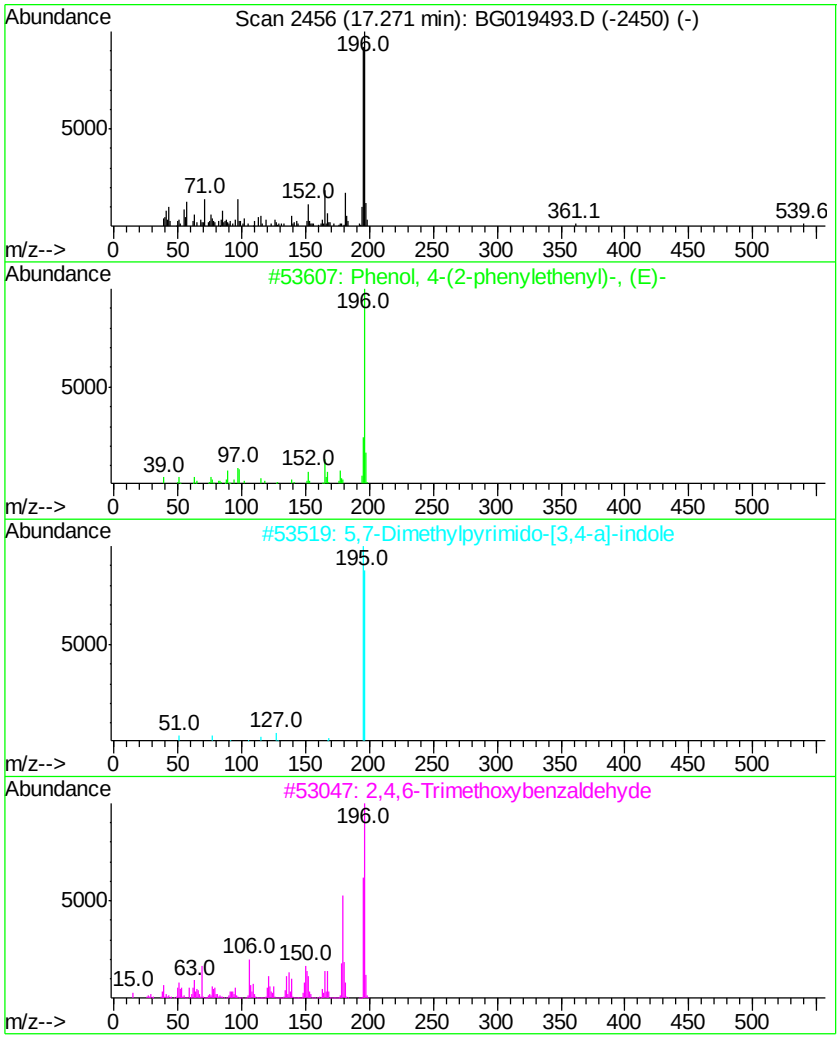
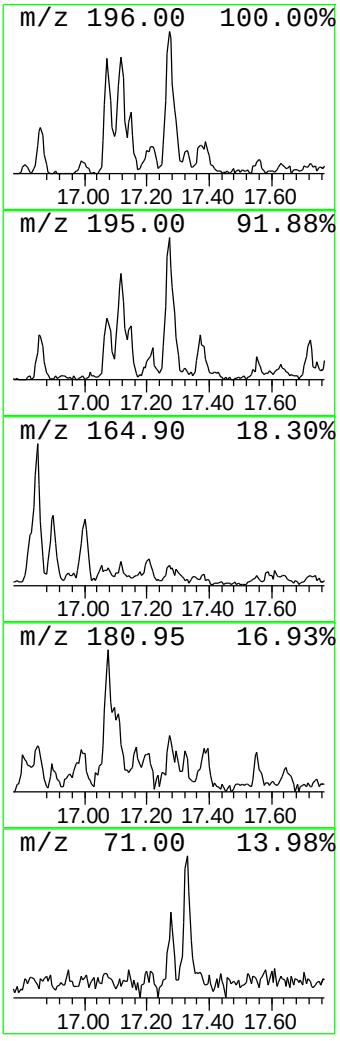
Peak Number 11 Phenol, 4-(2-phenylethenyl)... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.27	3.65 ng/ul	186808	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	60
2	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	53
3	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	53
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	50
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	47





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Quant Title : SVOA CALIBRATION

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

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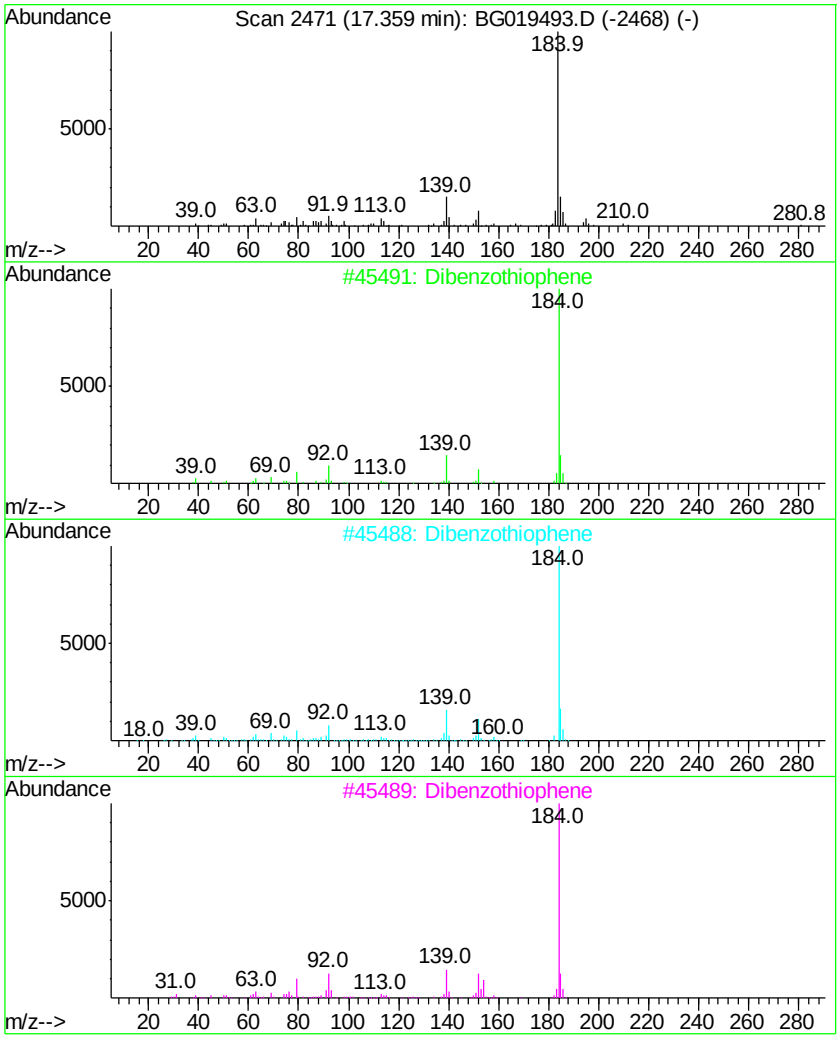
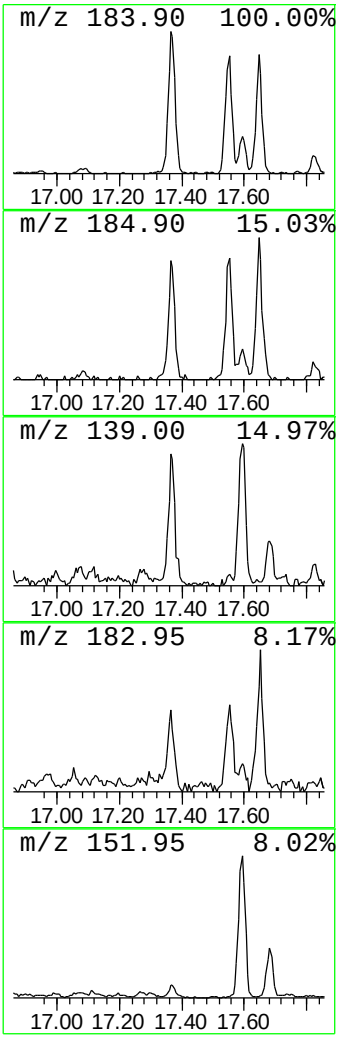
Peak Number 12 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.36	4.06 ng/ul	207867	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	90
2	Dibenzothiophene	184	C12H8S	000132-65-0	90
3	Dibenzothiophene	184	C12H8S	000132-65-0	87
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	83
5	Dibenzothiophene	184	C12H8S	000132-65-0	74





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3

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Quant Title : SVOA CALIBRATION

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

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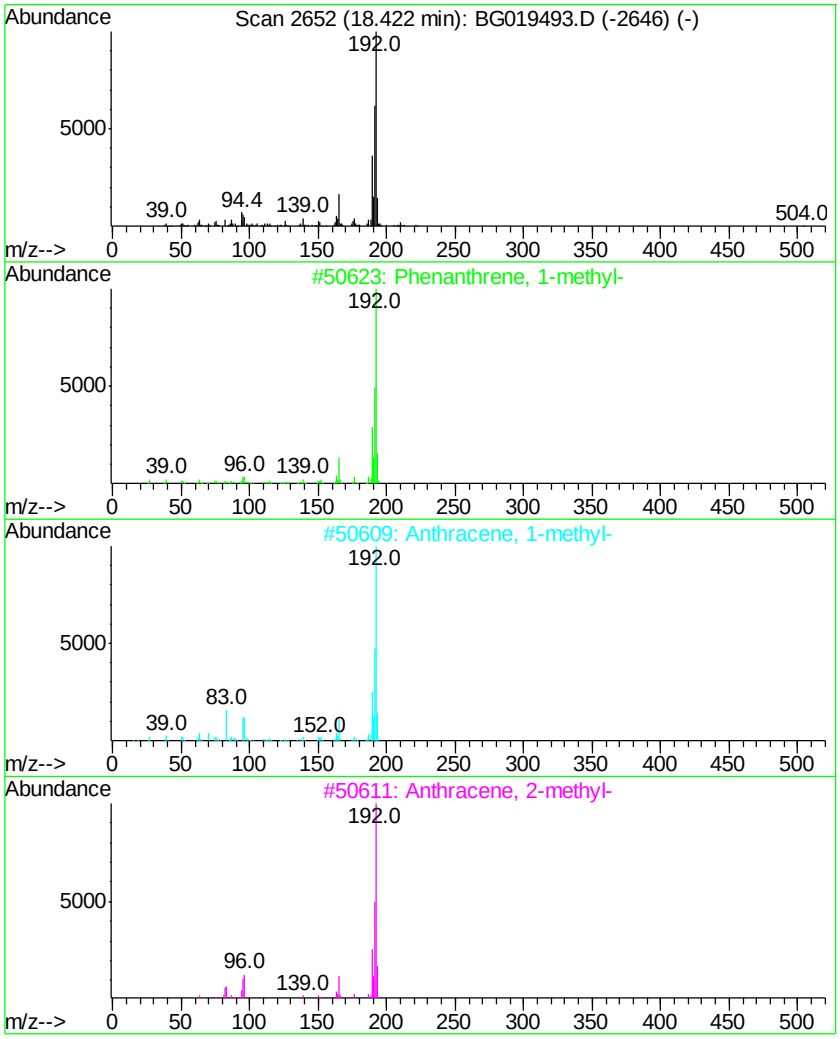
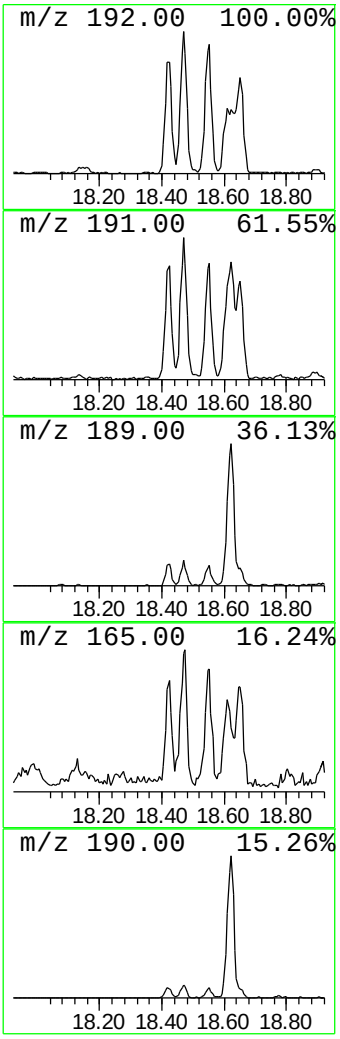
Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	4.92 ng/ul	251922	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87





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Instrument : BNA_G
ClientSampleId : C0AP3

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Quant Title : SVOA CALIBRATION

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

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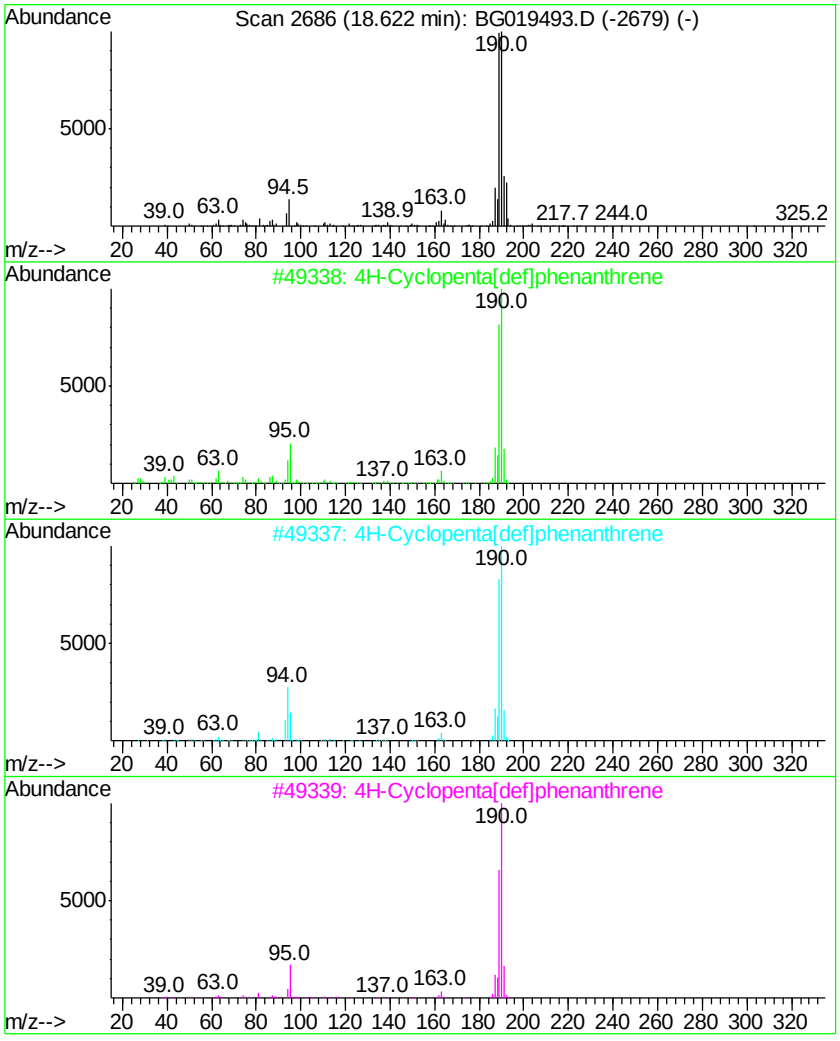
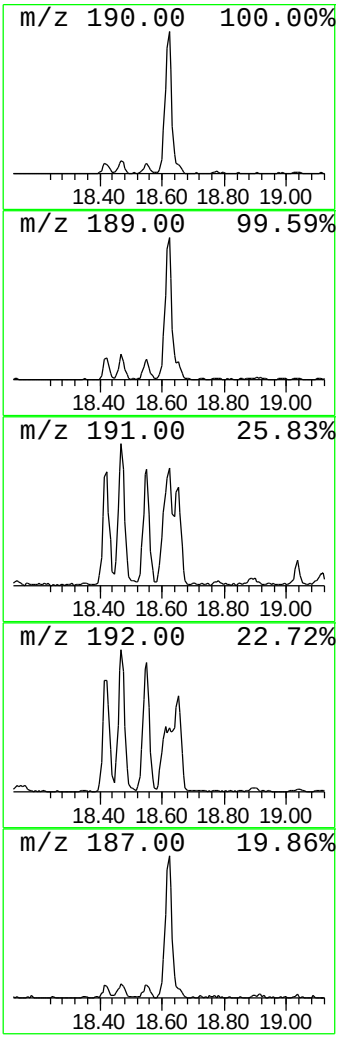
Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	13.62 ng/ul	697051	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	16
5	4-Cyano-4-hydroxy-3-methyl-2-phe...	216	C13H16N2O	1000216-11-7	10





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Quant Title : SVOA CALIBRATION

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

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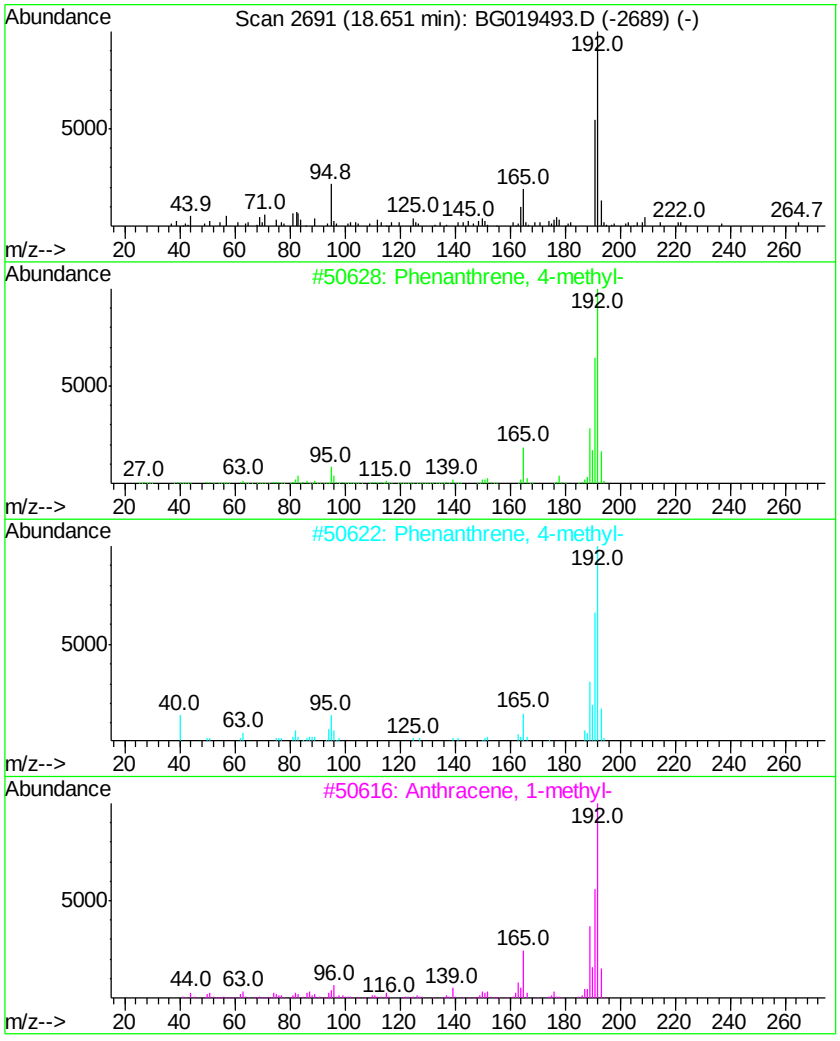
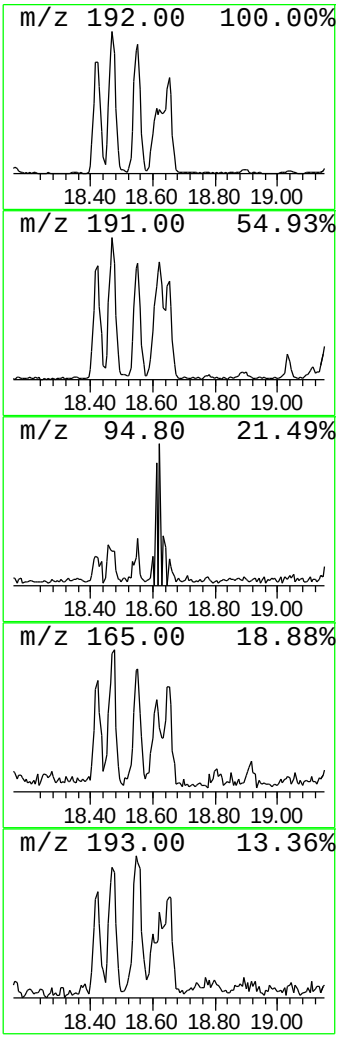
Peak Number 17 Phenanthrene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.65	2.92 ng/ul	149645	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	86
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	72
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	72
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	72
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	72





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Quant Title : SVOA CALIBRATION

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

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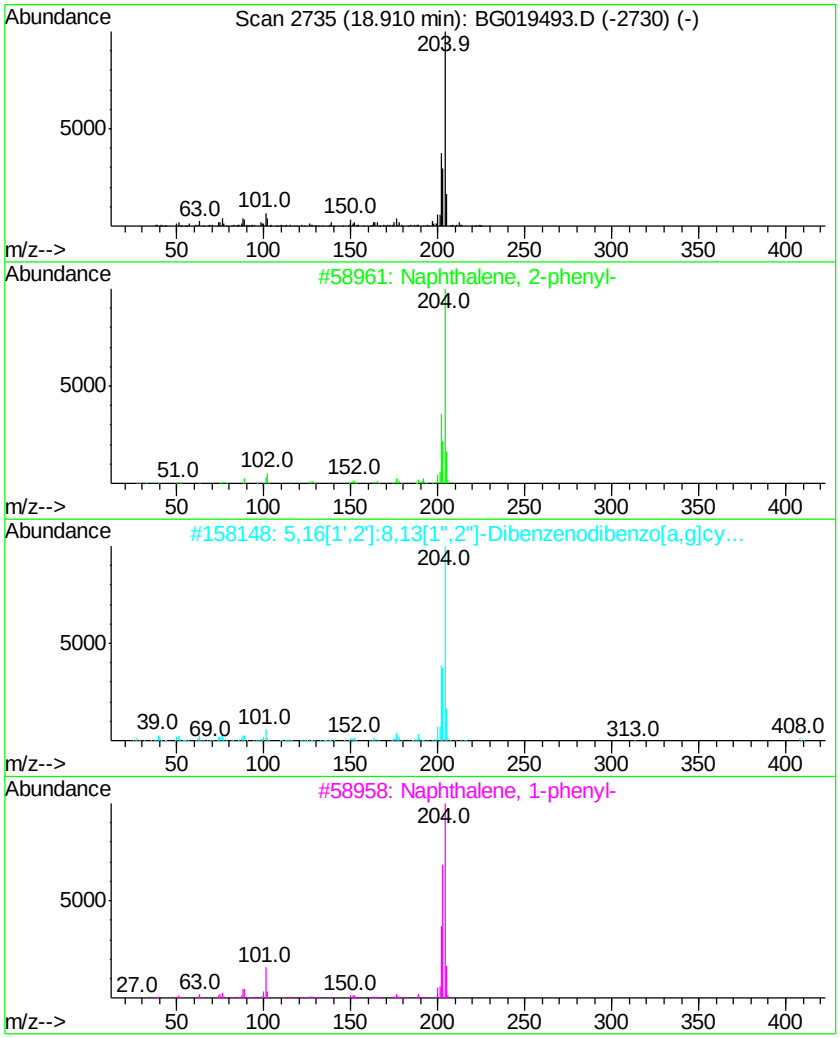
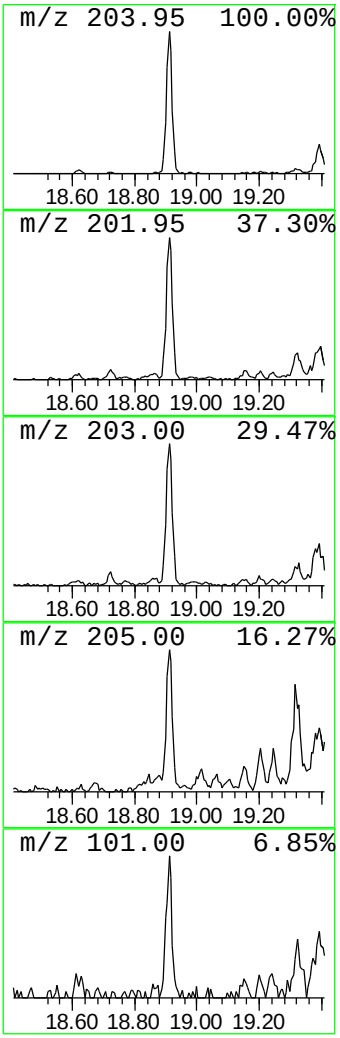
Peak Number 18 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	5.43 ng/ul	277774	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	74
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	68
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	68





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Quant Title : SVOA CALIBRATION

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

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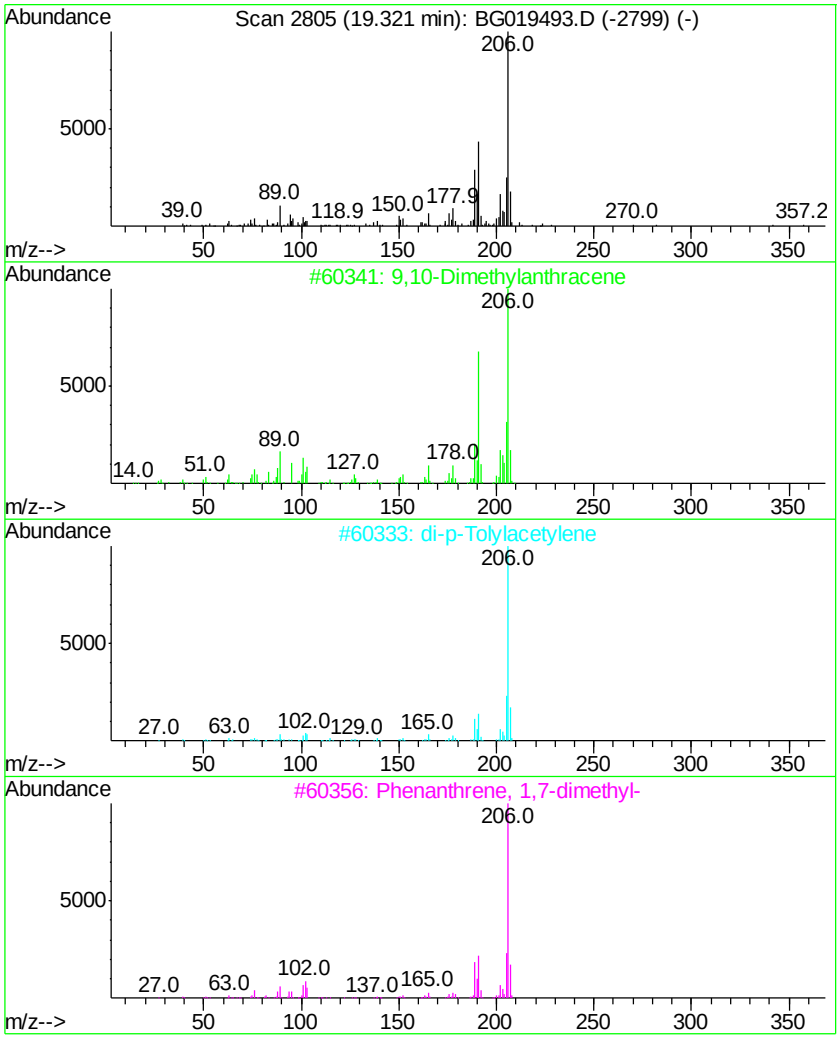
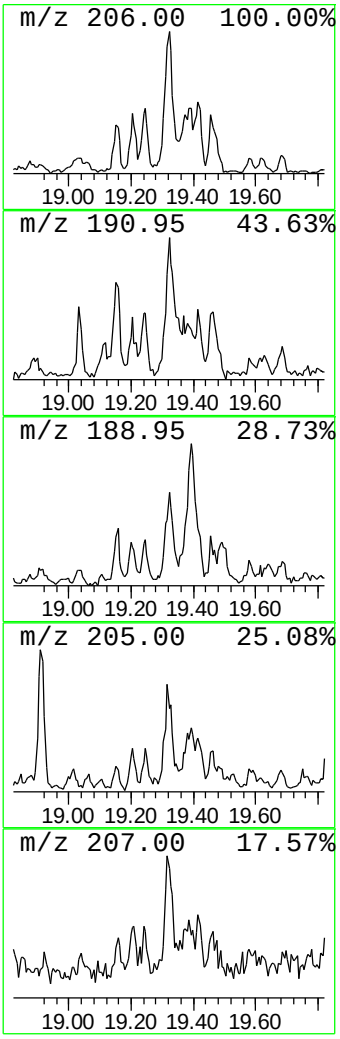
Peak Number 19 9,10-Dimethylanthracene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.32	4.06 ng/ul	207929	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	90





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ClientSampleId : C0AP3

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Quant Title : SVOA CALIBRATION

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

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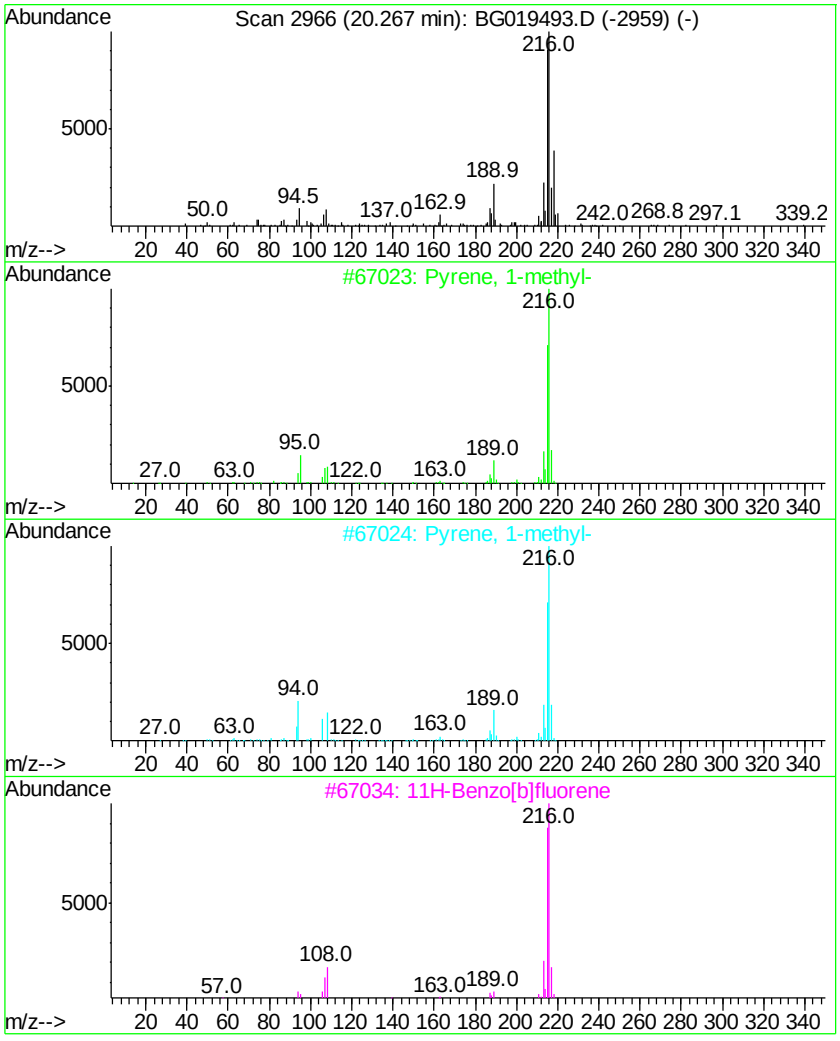
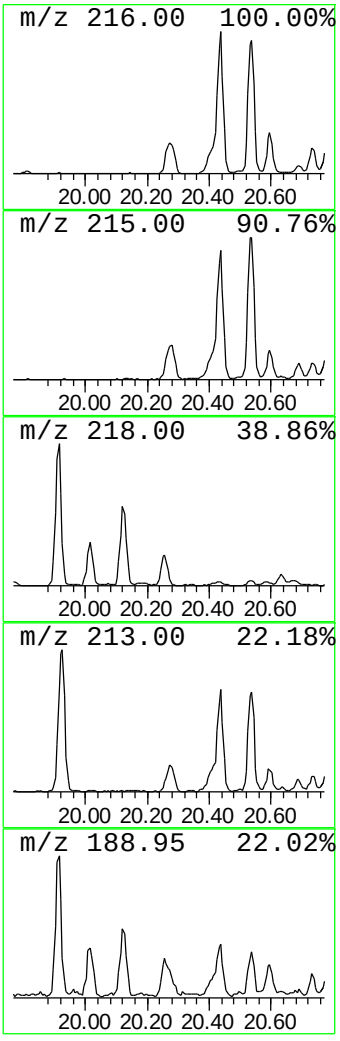
Peak Number 21 Pyrene, 1-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.27	2.56 ng/ul	378344	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019493.D
Acq On : 5 Nov 2015 15:28
Operator : UM/NP
Sample : G4273-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3

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

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

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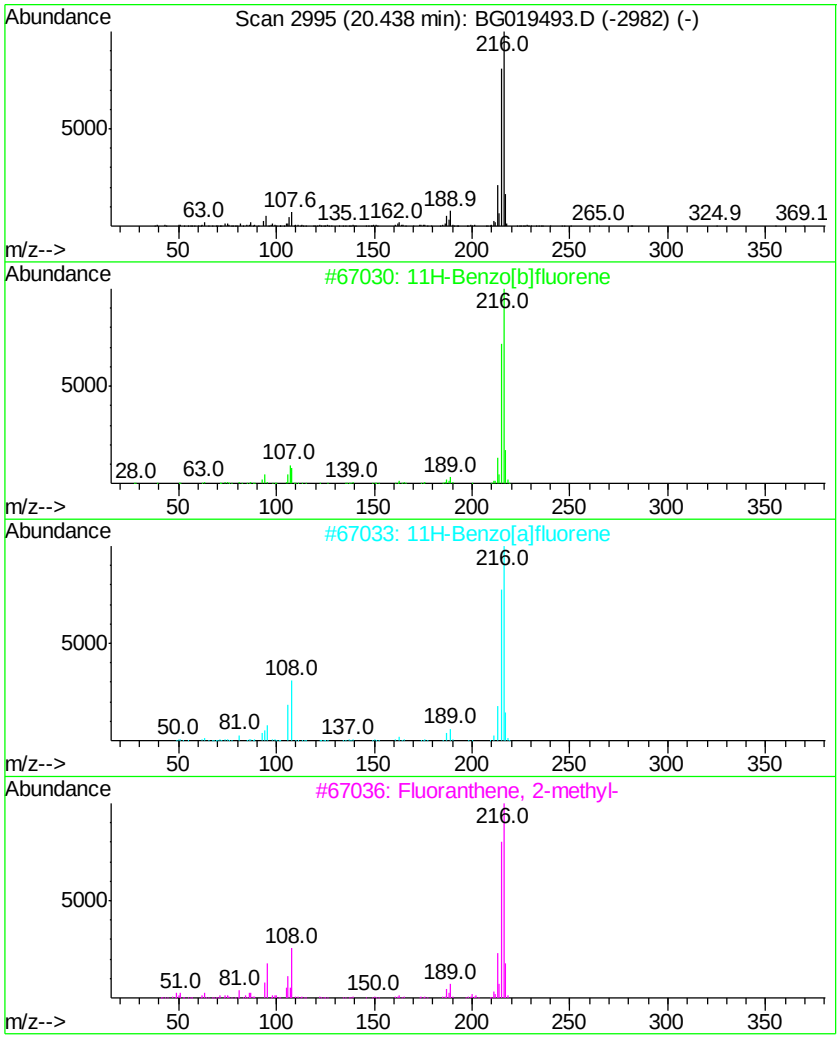
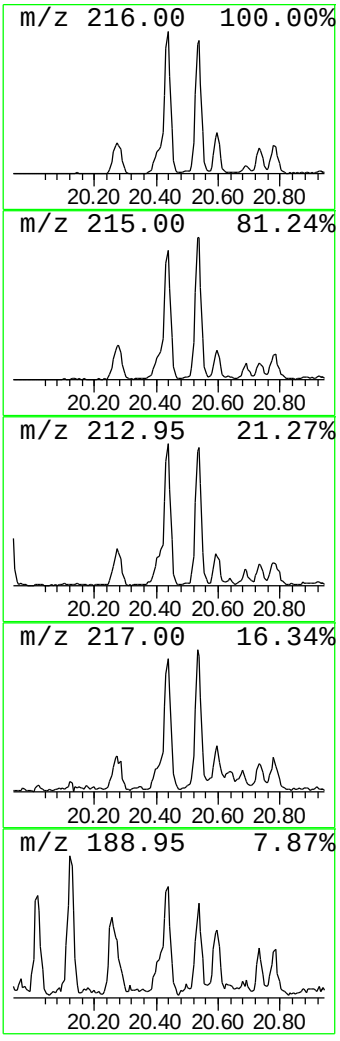
Peak Number 22 11H-Benzo[b]fluorene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.44	6.39 ng/ul	942867	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





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Data File : BG019493.D
Acq On : 5 Nov 2015 15:28
Operator : UM/NP
Sample : G4273-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3

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

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

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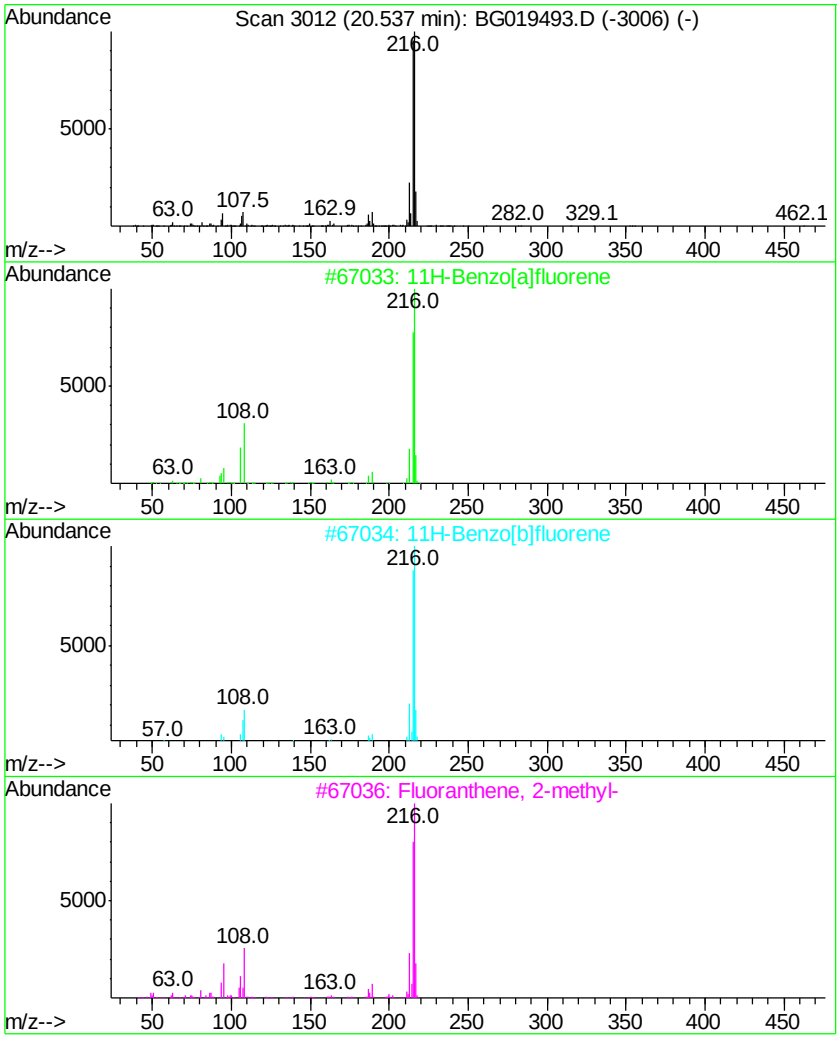
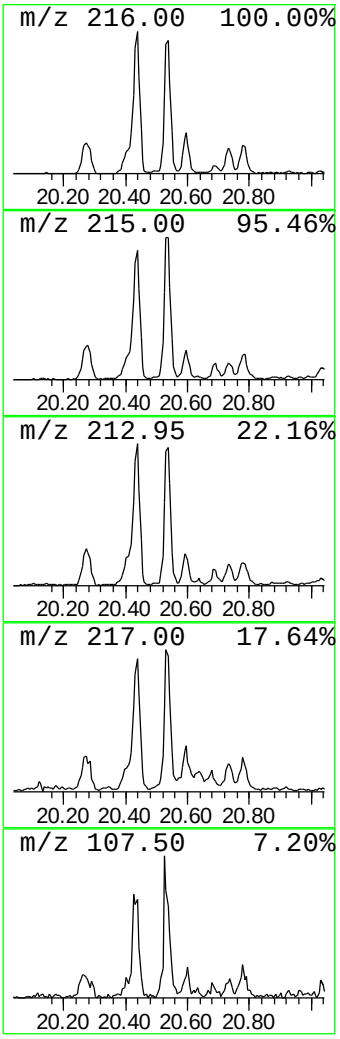
Peak Number 23 11H-Benzo[a]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.54	5.25 ng/ul	775524	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92





Data Path : Z:\HPCHEM1\BNA G\DATA\BG110515\
Data File : BG019493.D
Acq On : 5 Nov 2015 15:28
Operator : UM/NP
Sample : G4273-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3

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

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

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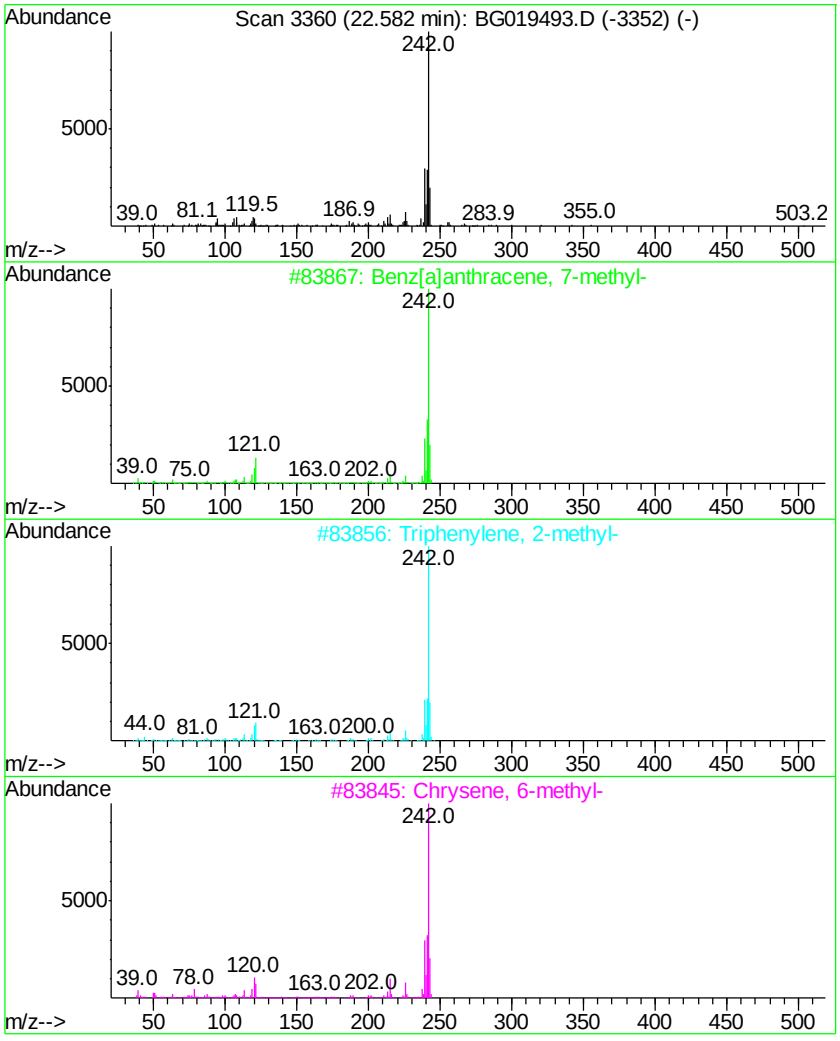
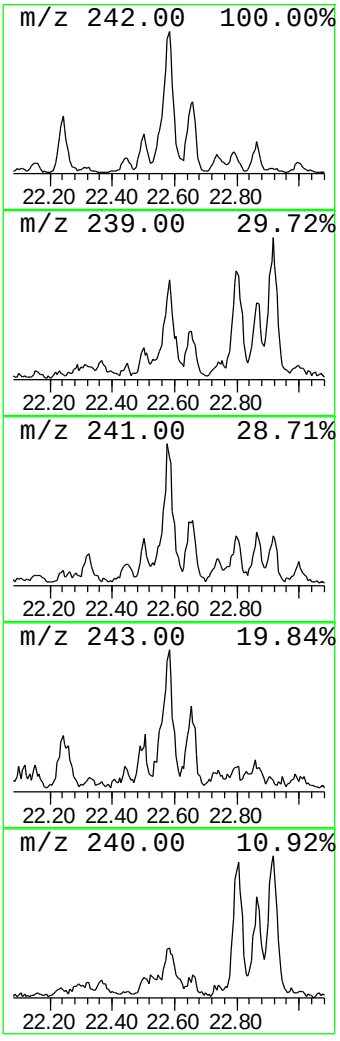
Peak Number 25 Benz[a]anthracene, 7-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	2.53 ng/ul	373004	Chrysene-d12	21.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
3	Chrysene, 6-methyl-	242	C19H14	003697-24-3	90
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90
5	Chrysene, 2-methyl-	242	C19H14	003351-32-4	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110515\
Data File : BG019493.D
Acq On : 5 Nov 2015 15:28
Operator : UM/NP
Sample : G4273-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AP3

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	3.20	74.8	ng/ul	1090070	1	8.18	291294	20.0
Naphthalene, 1,3-...	14.13	2.4	ng/ul	82645	3	14.81	698876	20.0
Fluorene, 2,4a-di...	16.01	4.9	ng/ul	171433	3	14.81	698876	20.0
1,1'-Biphenyl, 2-...	16.10	2.2	ng/ul	75521	3	14.81	698876	20.0
Dibenzofuran, 4-m...	16.14	5.5	ng/ul	192179	3	14.81	698876	20.0
[1,1'-Biphenyl]-4...	16.28	5.3	ng/ul	268951	4	17.55	1023540	20.0
(4-Acetylphenyl)p...	16.49	3.2	ng/ul	164026	4	17.55	1023540	20.0
9H-Fluorene, 2-me...	16.85	4.4	ng/ul	227043	4	17.55	1023540	20.0
Naphtho[2,1-b]fur...	17.08	2.4	ng/ul	123432	4	17.55	1023540	20.0
Phenol, 4-(2-phen...	17.27	3.6	ng/ul	186808	4	17.55	1023540	20.0
Dibenzothiophene	17.36	4.1	ng/ul	207867	4	17.55	1023540	20.0
Phenanthrene, 1-m...	18.42	4.9	ng/ul	251922	4	17.55	1023540	20.0
4H-Cyclopenta[def...	18.62	13.6	ng/ul	697051	4	17.55	1023540	20.0
Phenanthrene, 4-m...	18.65	2.9	ng/ul	149645	4	17.55	1023540	20.0
Naphthalene, 2-ph...	18.91	5.4	ng/ul	277774	4	17.55	1023540	20.0
9,10-Dimethylanth...	19.32	4.1	ng/ul	207929	4	17.55	1023540	20.0
Pyrene, 1-methyl-	20.27	2.6	ng/ul	378344	5	21.83	2951570	20.0
11H-Benzo[b]fluorene	20.44	6.4	ng/ul	942867	5	21.83	2951570	20.0
11H-Benzo[a]fluorene	20.54	5.3	ng/ul	775524	5	21.83	2951570	20.0
Benz[a]anthracene...	22.58	2.5	ng/ul	373004	5	21.83	2951570	20.0