LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041942.D
Acq On : 4 Aug 2019 14:24
Operator : HP/JU
Sample : K3850-02DL 10X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP1DL

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	8.038	833	842	855	rBV	261058	452621	3.76%	0.319%
2	10.864	1312	1323	1327	rBV	348375	680157	5.64%	0.480%
3	10.911	1327	1331	1339	rVB	381631	664522	5.51%	0.469%
4	12.521	1595	1605	1615	rBV	598067	1016752	8.44%	0.717%
5	12.738	1630	1642	1653	rBV	459768	791498	6.57%	0.558%
6	13.526	1768	1776	1783	rBV	111449	174637	1.45%	0.123%
7	13.725	1804	1810	1821	rVB	321806	599943	4.98%	0.423%
8	13.861	1824	1833	1834	rBV	279508	412192	3.42%	0.291%
9	14.019	1852	1860	1865	rBV	495865	870514	7.22%	0.614%
10	14.072	1865	1869	1878	rVB2	306896	536136	4.45%	0.378%
11	14.254	1891	1900	1904	rBV	274857	460988	3.82%	0.325%
12	14.389	1916	1923	1925	rBV	141159	222362	1.84%	0.157%
13	14.419	1925	1928	1938	rVB	157965	249824	2.07%	0.176%
14	14.695	1964	1975	1981	rBV3	588827	1141625	9.47%	0.805%
15	14.759	1981	1986	1994	rVV	991475	1691984	14.04%	1.193%
16	14.906	2004	2011	2020	rBV	267146	668780	5.55%	0.472%
17	15.006	2020	2028	2033	rVV2	264056	540670	4.49%	0.381%
18	15.094	2036	2043	2050	rVV2	313157	588173	4.88%	0.415%
19	15.171	2050	2056	2064	rVV	209970	354817	2.94%	0.250%
20	15.318	2072	2081	2085	rBV	167069	292339	2.43%	0.206%
21	15.371	2085	2090	2095	rVB	189508	268853	2.23%	0.190%
22	15.488	2101	2110	2113	rBV2	170484	383941	3.19%	0.271%
23	15.747	2148	2154	2159	rBV	752039	1156389	9.59%	0.815%
24	15.841	2165	2170	2172	rBV2	258520	388796	3.23%	0.274%
25	15.870	2172	2175	2178	rVV	331698	480235	3.98%	0.339%
26	15.911	2178	2182	2186	rVB3	382867	577943	4.80%	0.407%
27	15.958	2186	2190	2193	rBV2	214448	282799	2.35%	0.199%
28	15.999	2193	2197	2200	rBV2	142423	202252	1.68%	0.143%
29	16.187	2226	2229	2237	rVB3	101451	237197	1.97%	0.167%
30	16.422	2265	2269	2275	rVB4	171040	320549	2.66%	0.226%
31	16.751	2314	2325	2330	rVV3	360246	1009791	8.38%	0.712%
32	16.804	2330	2334	2340	rVV2	390346	770650	6.39%	0.543%
33	16.857	2340	2343	2345	rVV2	148948	234841	1.95%	0.166%
34	16.904	2348	2351	2356	rVB	282895	400144	3.32%	0.282%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041942.D
Acq On : 4 Aug 2019 14:24
Operator : HP/JU
Sample : K3850-02DL 10X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP1DL

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	16.957	2356	2360	2366	rBV2	200337	410071	3.40%	0.289%
36	17.022	2367	2371	2379	rVV3	238273	472349	3.92%	0.333%
37	17.104	2379	2385	2391	rVV4	230358	453927	3.77%	0.320%
38	17.186	2391	2399	2408	rVV7	143720	497646	4.13%	0.351%
39	17.268	2408	2413	2424	rVB	577177	955011	7.92%	0.673%
40	17.450	2439	2444	2447	rVV	586077	973710	8.08%	0.686%
41	17.503	2447	2453	2458	rVV	4951791	8437686	70.01%	5.949%
42	17.550	2458	2461	2463	rVV2	179665	259802	2.16%	0.183%
43	17.586	2463	2467	2472	rVB	1549784	2233982	18.54%	1.575%
44	17.644	2472	2477	2482	rBV2	180841	363270	3.01%	0.256%
45	17.856	2508	2513	2518	rBV4	168304	348674	2.89%	0.246%
46	17.968	2529	2532	2536	rVB	164853	214491	1.78%	0.151%
47	18.032	2537	2543	2552	rVV	709501	1132435	9.40%	0.798%
48	18.179	2563	2568	2575	rVB	371787	713205	5.92%	0.503%
49	18.255	2576	2581	2585	rBV2	162823	246542	2.05%	0.174%
50	18.332	2588	2594	2598	rVV	2221258	3473267	28.82%	2.449%
51	18.385	2598	2603	2609	rVB	2660403	4001923	33.20%	2.821%
52	18.461	2610	2616	2621	rBV	980844	1538711	12.77%	1.085%
53	18.526	2621	2627	2631	rVV3	2408347	4755315	39.46%	3.353%
54	18.567	2631	2634	2640	rVB	1649695	2257894	18.73%	1.592%
55	18.673	2649	2652	2657	rVB3	132412	190457	1.58%	0.134%
56	18.725	2657	2661	2665	rBV2	318108	456766	3.79%	0.322%
57	18.825	2673	2678	2682	rBV	941411	1396165	11.58%	0.984%
58	18.872	2682	2686	2695	rVB3	763503	1434552	11.90%	1.011%
59	18.949	2695	2699	2704	rBV	434742	666004	5.53%	0.470%
60	19.072	2716	2720	2724	rVB	764894	978284	8.12%	0.690%
61	19.125	2725	2729	2732	rBV	485857	580605	4.82%	0.409%
62	19.160	2732	2735	2740	rVB2	529997	705376	5.85%	0.497%
63	19.248	2744	2750	2754	rBV	1476114	2687771	22.30%	1.895%
64	19.307	2754	2760	2763	rBV3	538586	946386	7.85%	0.667%
65	19.389	2769	2774	2781	rBV3	769748	1745828	14.49%	1.231%
66	19.513	2789	2795	2801	rBV	4041287	6315039	52.40%	4.452%
67	19.572	2801	2805	2807	rVV	320356	441137	3.66%	0.311%
68	19.607	2807	2811	2815	rVB	405200	583163	4.84%	0.411%
69	19.707	2822	2828	2831	rBV4	318504	583062	4.84%	0.411%
70	19.754	2832	2836	2839	rVV2	483575	742535	6.16%	0.524%
71	19.783	2839	2841	2846	rVV	348965	472310	3.92%	0.333%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041942.D
Acq On : 4 Aug 2019 14:24
Operator : HP/JU
Sample : K3850-02DL 10X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP1DL

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	19.883	2847	2858	2864	rVV2	5412943	12052402	100.00%	8.497%
73	19.942	2864	2868	2874	rVB3	655372	1185604	9.84%	0.836%
74	20.100	2892	2895	2901	rVB3	363398	570551	4.73%	0.402%
75	20.194	2905	2911	2921	rBV3	928699	2422803	20.10%	1.708%
76	20.277	2922	2925	2929	rVV3	254102	407003	3.38%	0.287%
77	20.329	2929	2934	2935	rVV3	711987	1052043	8.73%	0.742%
78	20.365	2936	2940	2944	rVB	1532403	2332864	19.36%	1.645%
79	20.465	2949	2957	2961	rBV	1326740	2280213	18.92%	1.608%
80	20.523	2961	2967	2970	rBV	1715786	2570509	21.33%	1.812%
81	20.559	2970	2973	2977	rVB	563441	729878	6.06%	0.515%
82	20.658	2986	2990	2994	rBV	1272603	1766860	14.66%	1.246%
83	20.705	2994	2998	3002	rVB	1224969	1574181	13.06%	1.110%
84	21.128	3067	3070	3077	rVB	688142	1209433	10.03%	0.853%
85	21.317	3094	3102	3106	rBV3	1033341	2291277	19.01%	1.615%
86	21.358	3106	3109	3113	rVB	786070	1026434	8.52%	0.724%
87	21.411	3114	3118	3122	rBV3	379111	601962	4.99%	0.424%
88	21.728	3165	3172	3178	rBV2	3330906	7515671	62.36%	5.299%
89	21.798	3179	3184	3196	rVB	3386978	6554699	54.39%	4.621%
90	21.898	3197	3201	3205	rBV2	335578	518823	4.30%	0.366%
91	21.945	3205	3209	3214	rBV	639410	1066281	8.85%	0.752%
92	22.221	3253	3256	3263	rVB3	302491	498484	4.14%	0.351%
93	22.409	3284	3288	3292	rBV2	355111	623231	5.17%	0.439%
94	22.492	3294	3302	3308	rVV	1318559	3228959	26.79%	2.277%
95	22.562	3310	3314	3320	rVB	859059	1510442	12.53%	1.065%
96	22.768	3345	3349	3353	rBV2	437722	734678	6.10%	0.518%
97	22.909	3367	3373	3382	rVB2	404115	1059412	8.79%	0.747%
98	23.996	3550	3558	3565	rBV2	1152077	3938427	32.68%	2.777%
99	24.730	3675	3683	3697	rBV	916796	2650652	21.99%	1.869%
100	24.883	3701	3709	3723	rVB	1372332	4074050	33.80%	2.872%

Sum of corrected areas: 141838091

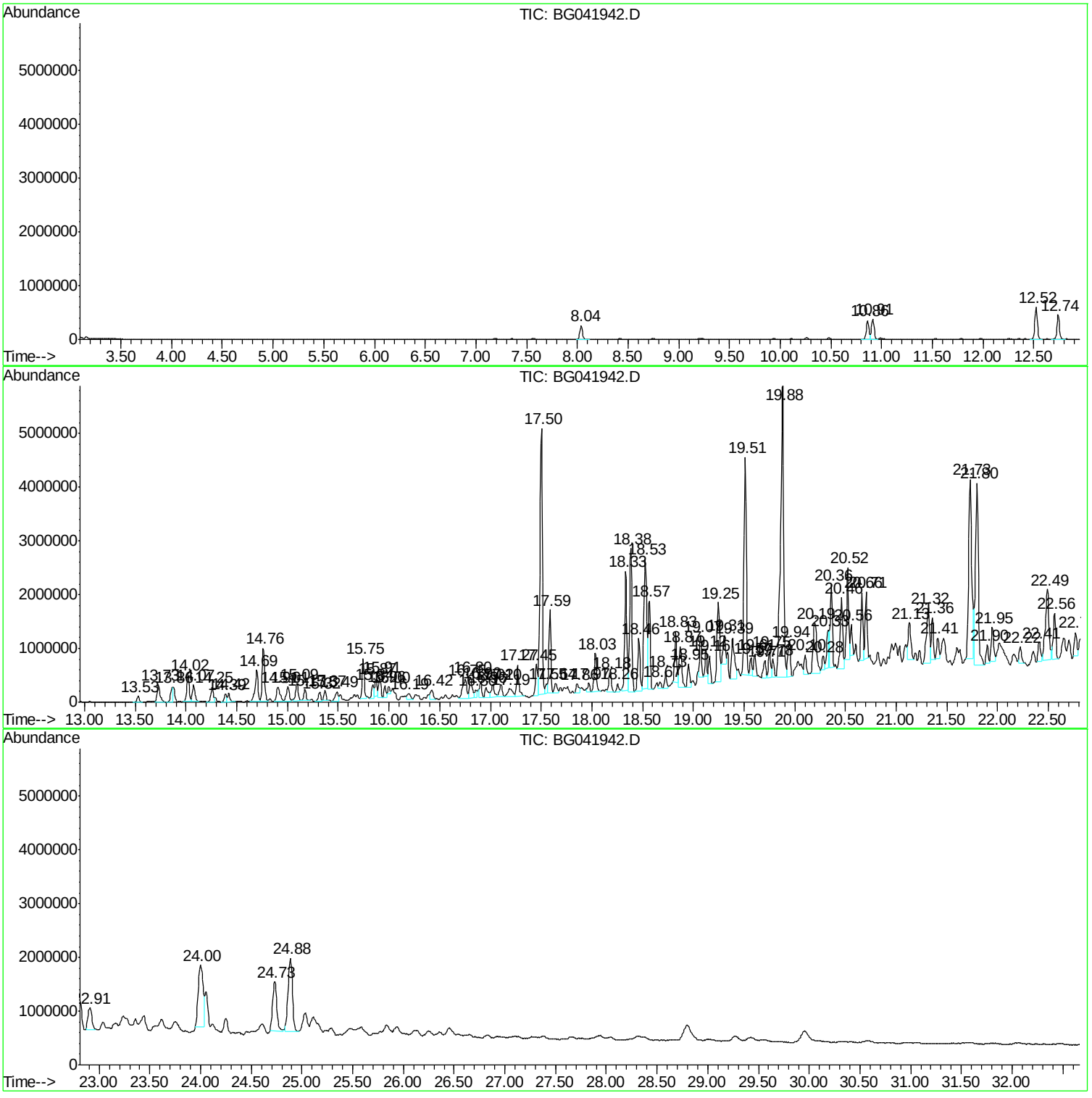
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041942.D
Acq On : 4 Aug 2019 14:24
Operator : HP/JU
Sample : K3850-02DL 10X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BENP1DL

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\BG080319\
Data File : BG041942.D
Acq On : 4 Aug 2019 14:24
Operator : HP/JU
Sample : K3850-02DL 10X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP1DL

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

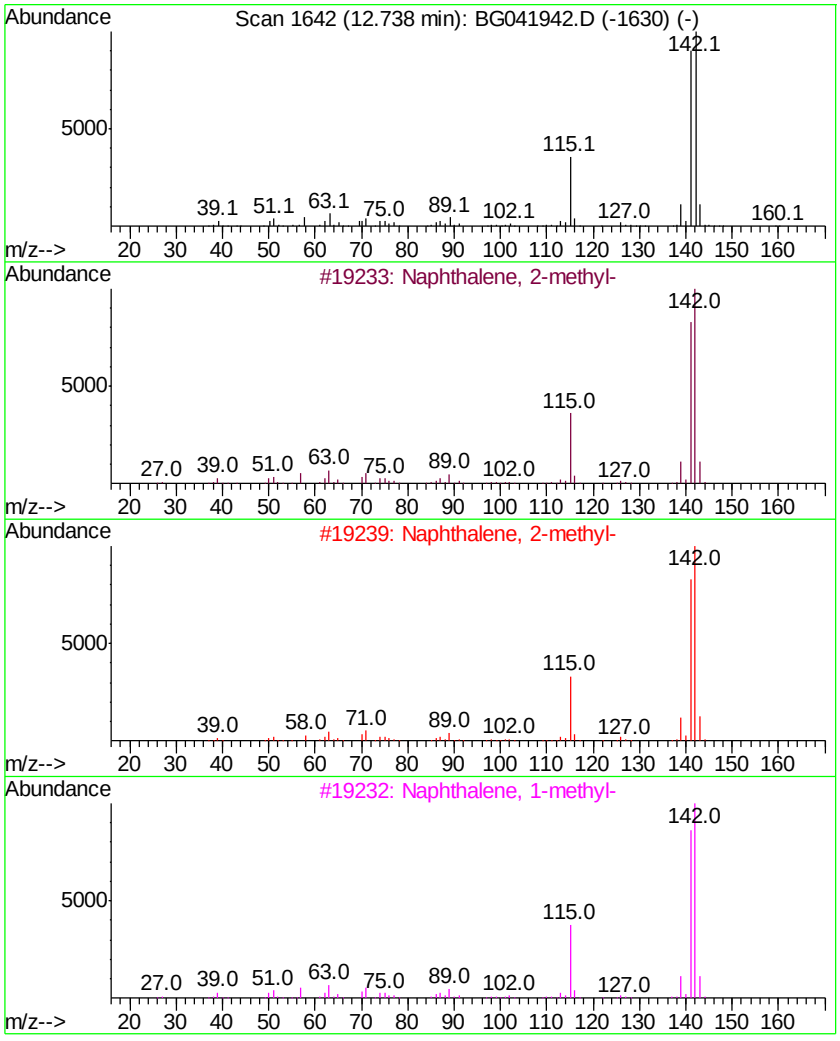
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

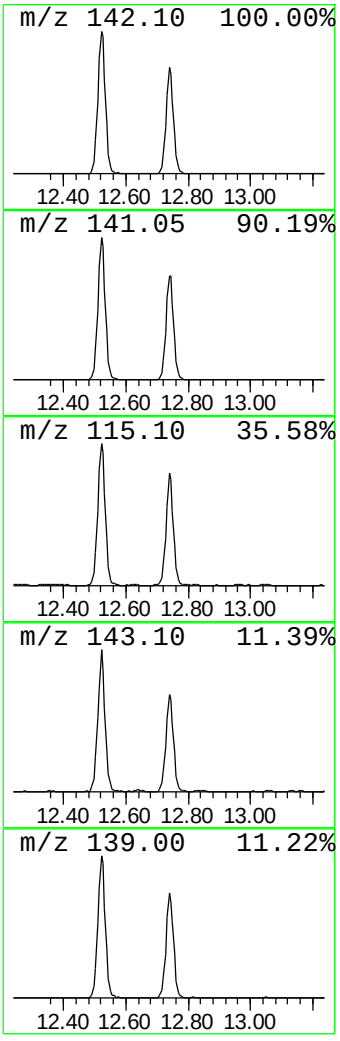
****

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.74	23.27 ng/ul	791498	Naphthalene-d8	10.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041942.D
Acq On : 4 Aug 2019 14:24
Operator : HP/JU
Sample : K3850-02DL 10X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP1DL

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

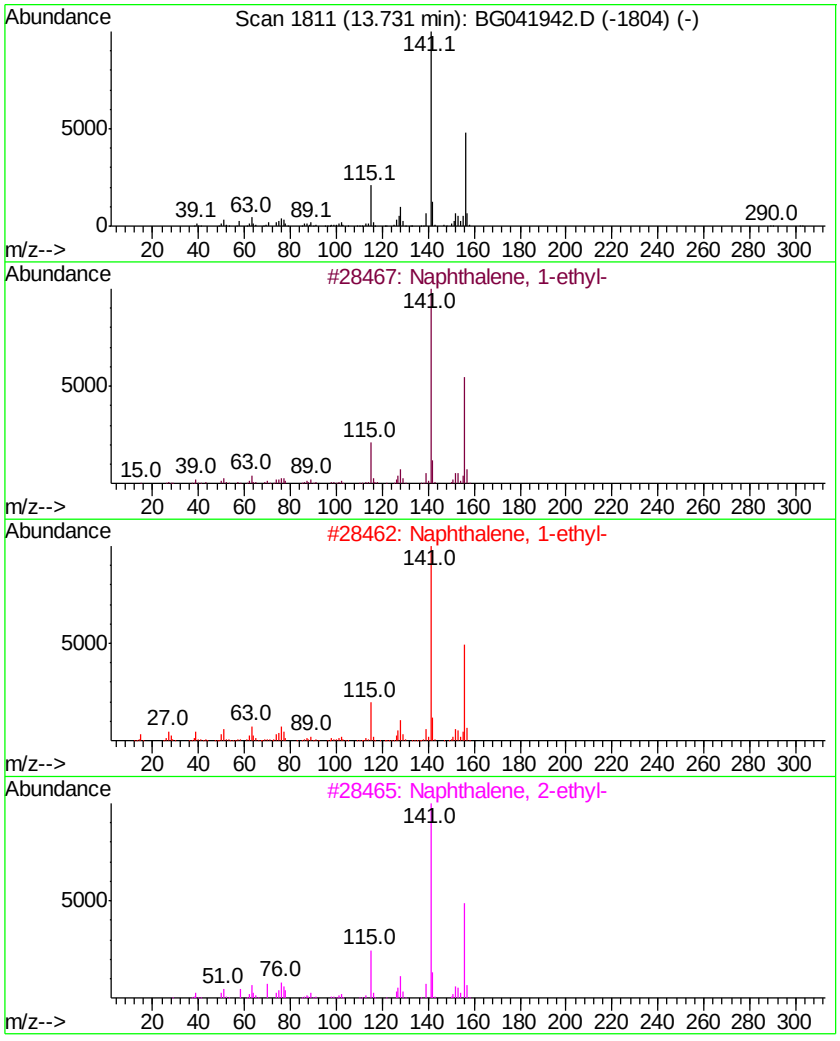
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

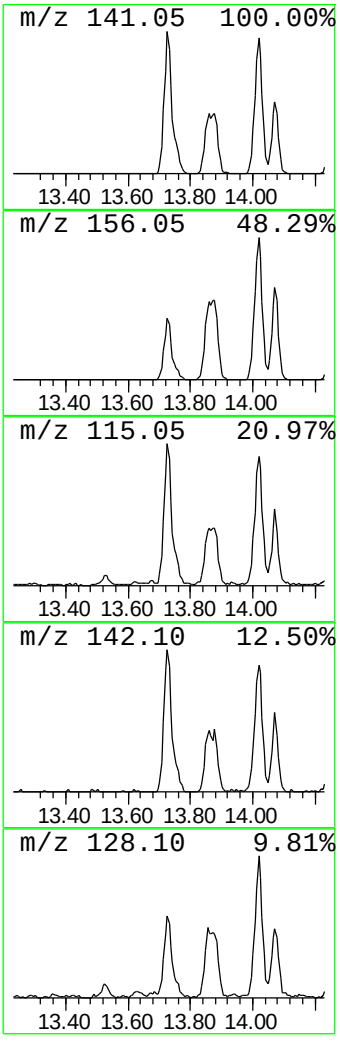
****

Peak Number 2 Naphthalene, 1-ethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	10.51 ng/ul	599943	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041942.D
Acq On : 4 Aug 2019 14:24
Operator : HP/JU
Sample : K3850-02DL 10X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP1DL

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

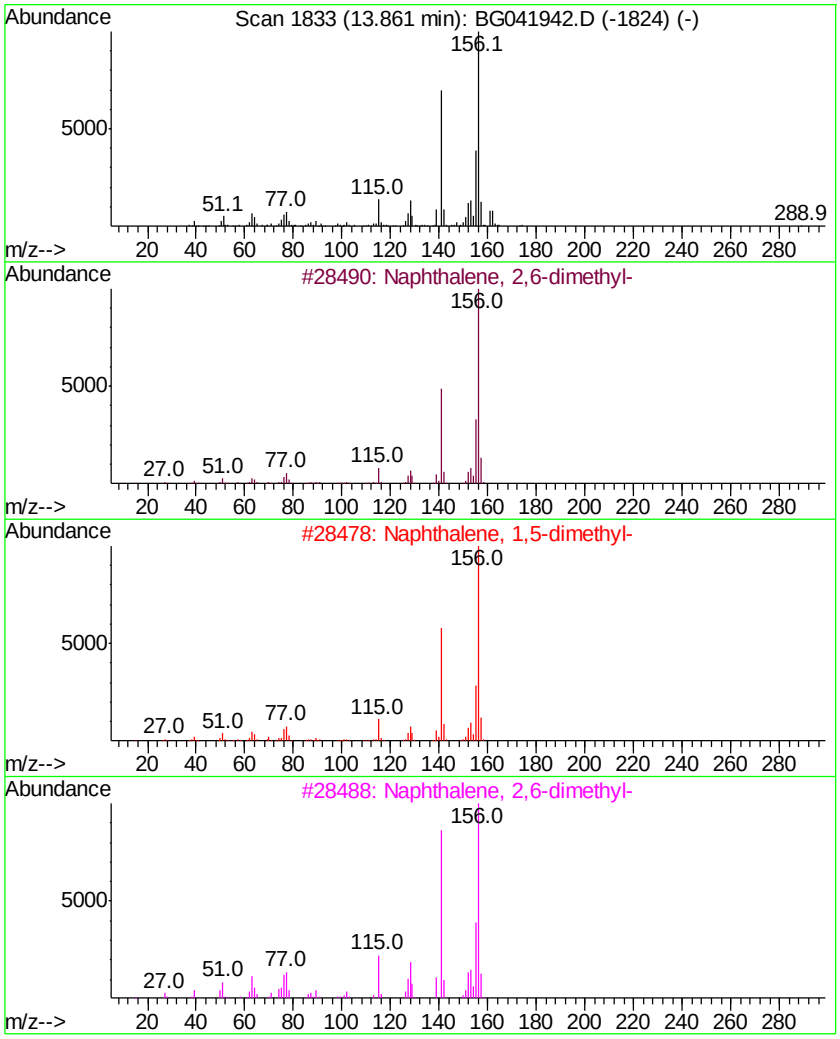
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

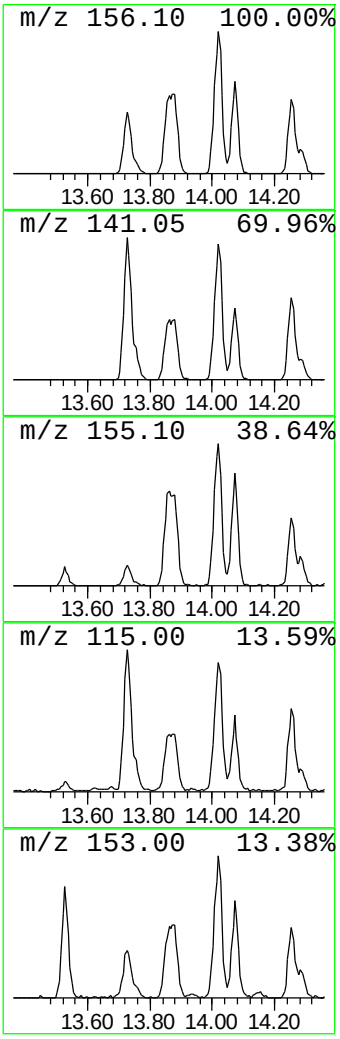
****

Peak Number 3 Naphthalene, 2,6-dimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	7.22 ng/ul	412192	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041942.D
Acq On : 4 Aug 2019 14:24
Operator : HP/JU
Sample : K3850-02DL 10X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP1DL

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

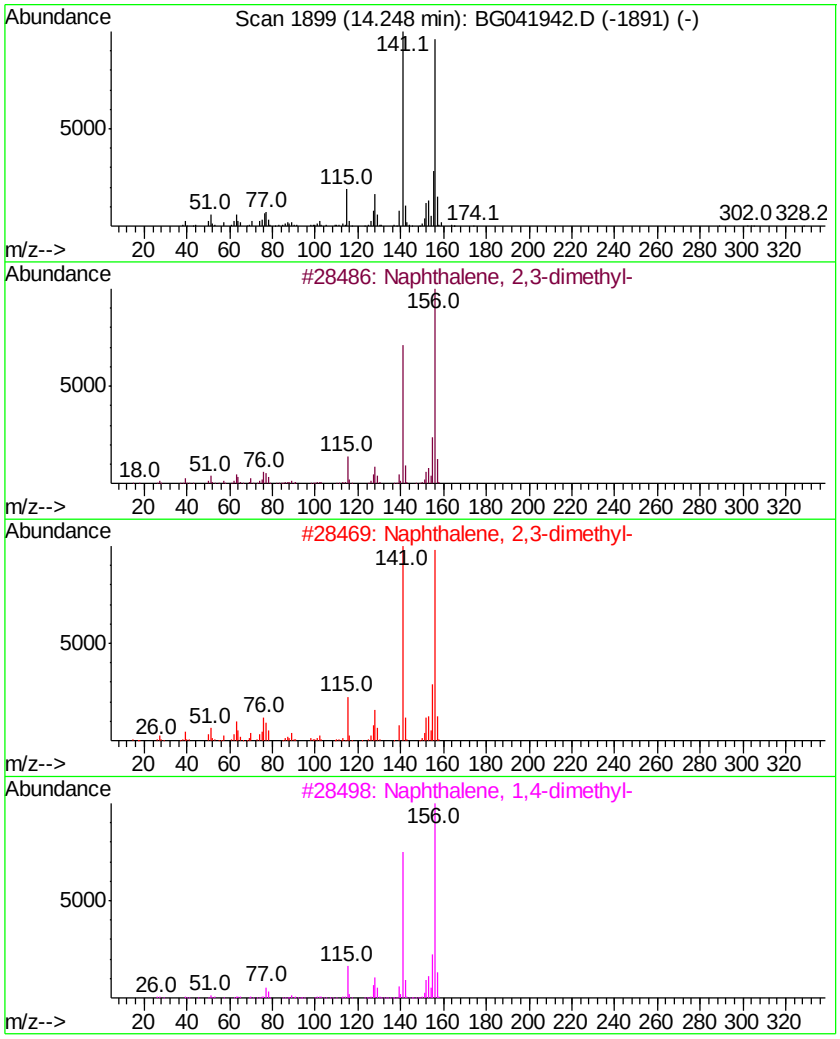
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

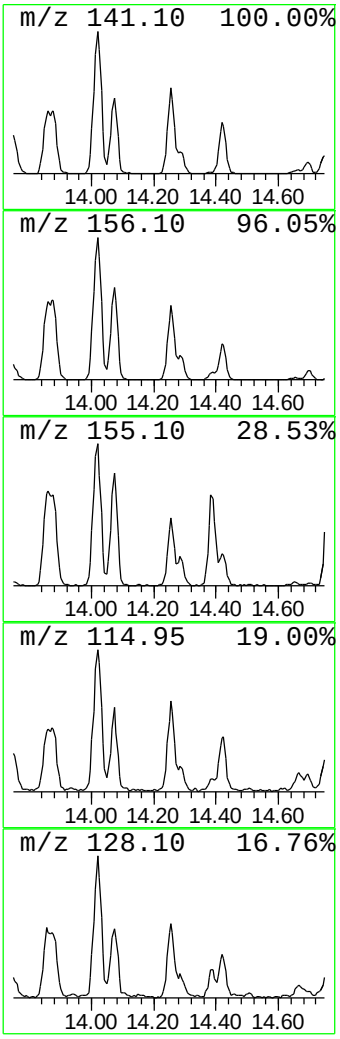
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	8.08 ng/ul	460988	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041942.D
Acq On : 4 Aug 2019 14:24
Operator : HP/JU
Sample : K3850-02DL 10X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP1DL

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

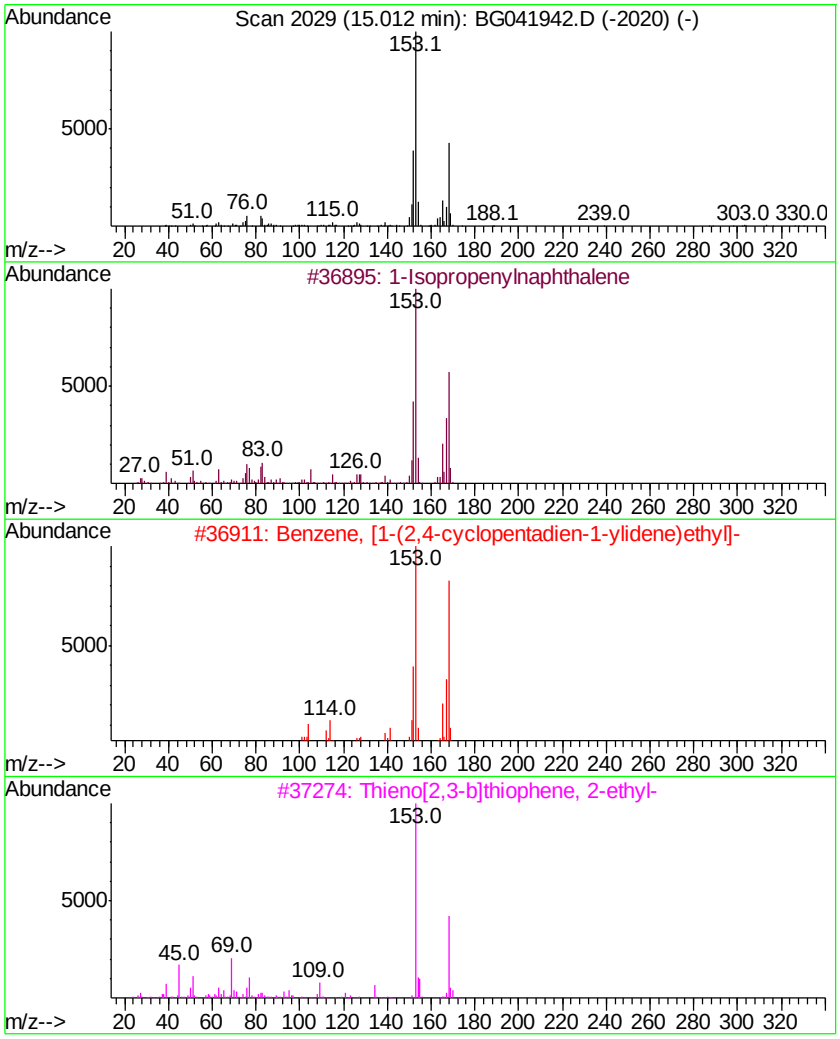
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

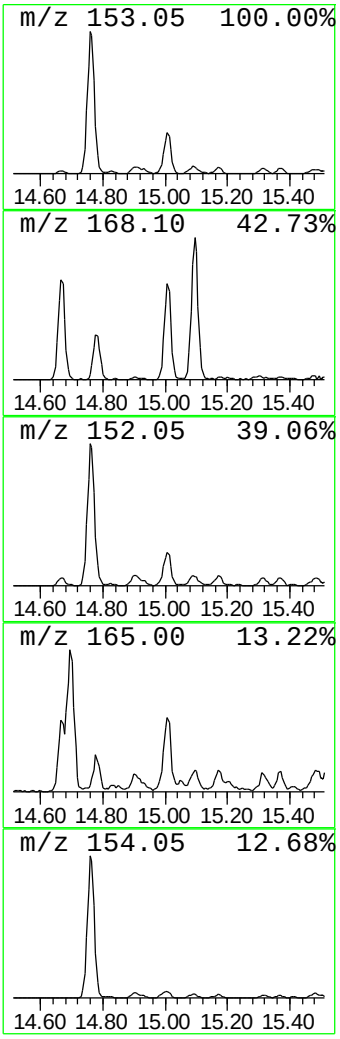
****

Peak Number 6 1-Isopropenylnaphthalene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.01	9.47 ng/ul	540670	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	83
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	72
3	Thieno[2,3-b]thiophene, 2-ethyl-	168	C8H8S2	005912-01-6	50
4	2(1H)-Pyridinethione, 1,4,6-trim...	153	C8H11NS	019006-70-3	49
5	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	47





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Acq On : 4 Aug 2019 14:24
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Sample : K3850-02DL 10X
Misc :
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Instrument : BNA_G
ClientSampleId : BENP1DL

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Quant Title : SVOA CALIBRATION

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

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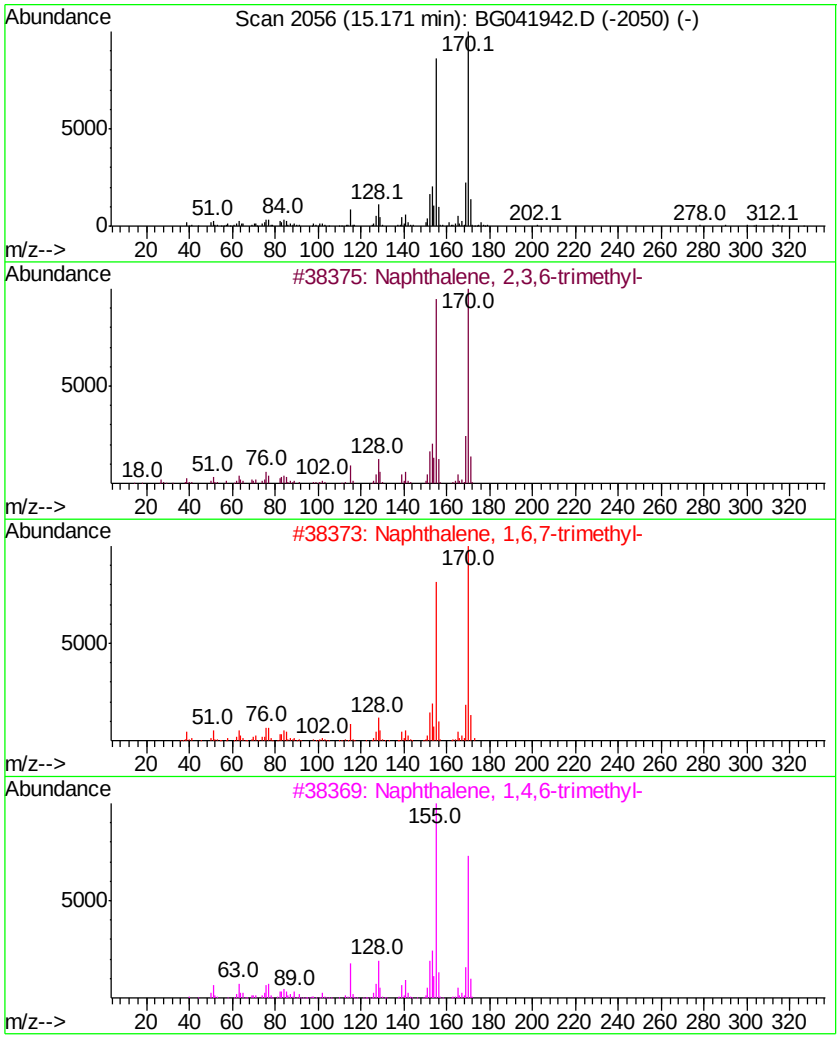
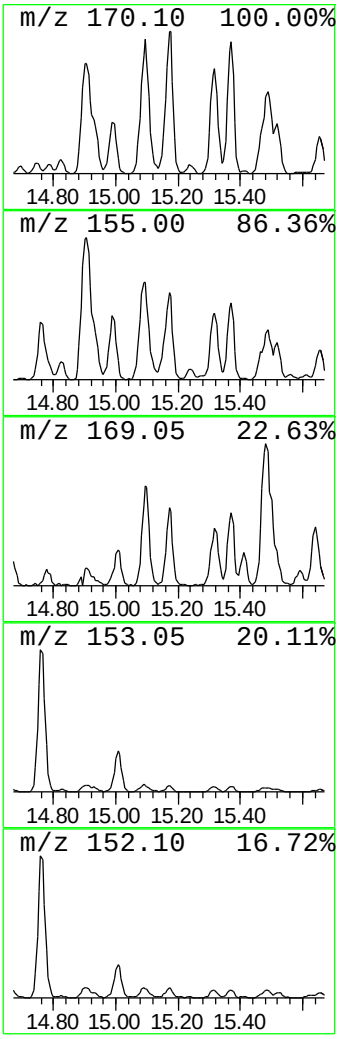
Peak Number 7 Naphthalene, 2,3,6-trimethyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	6.22 ng/ul	354817	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95





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Sample : K3850-02DL 10X
Misc :
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Instrument : BNA_G
ClientSampleId : BENP1DL

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Quant Title : SVOA CALIBRATION

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

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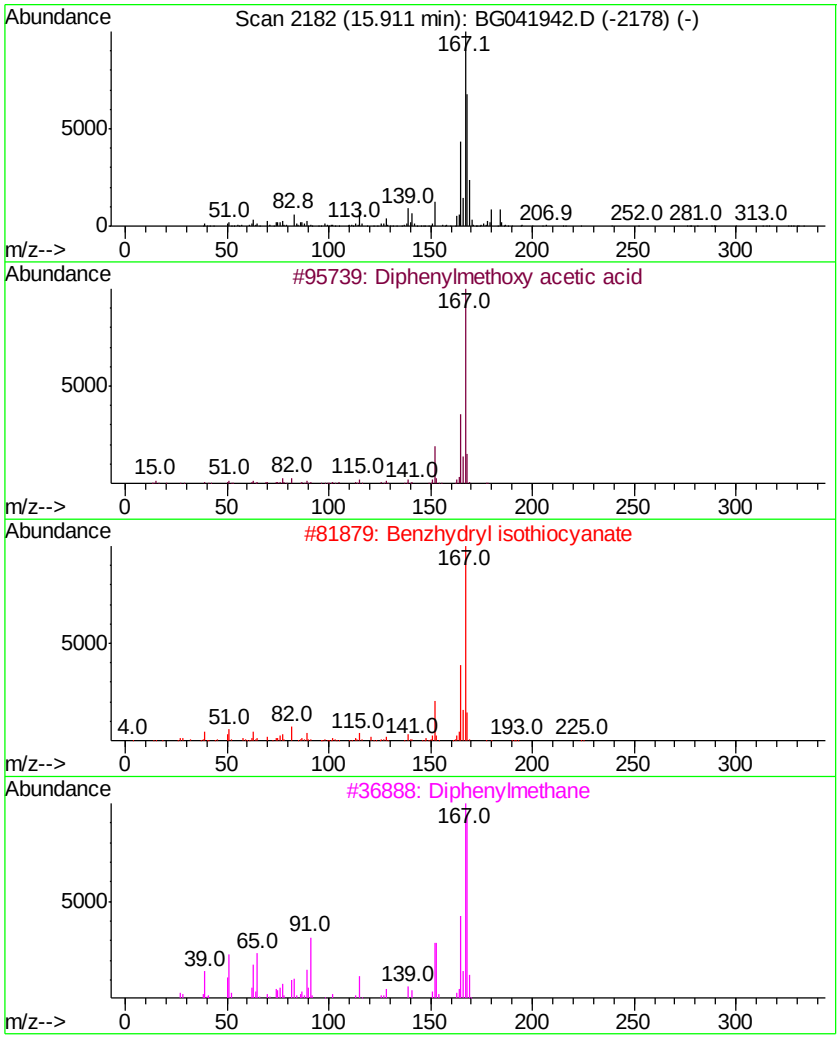
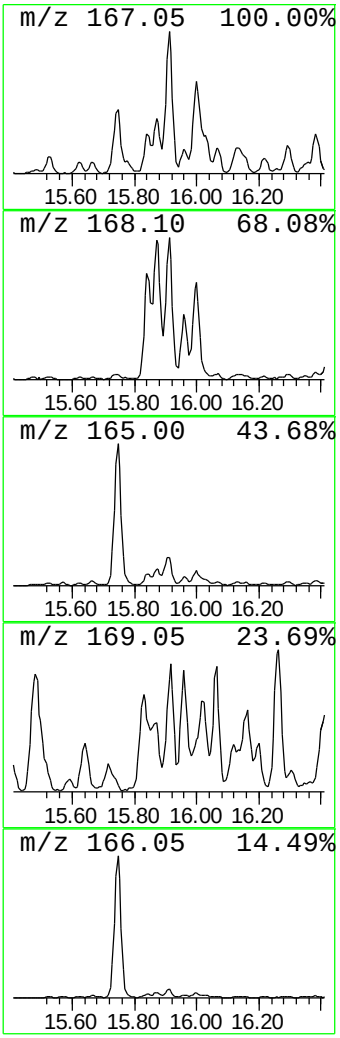
Peak Number 13 Diphenylmethoxy acetic acid Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	10.12 ng/ul	577943	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethoxy acetic acid	242	C15H14O3	021409-25-6	53
2	Benzhydryl isothiocyanate	225	C14H11NS	003550-21-8	53
3	Diphenylmethane	168	C13H12	000101-81-5	52
4	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	49
5	Benzenepropanenitrile, .beta.-ph...	207	C15H13N	002286-54-6	49





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Operator : HP/JU
Sample : K3850-02DL 10X
Misc :
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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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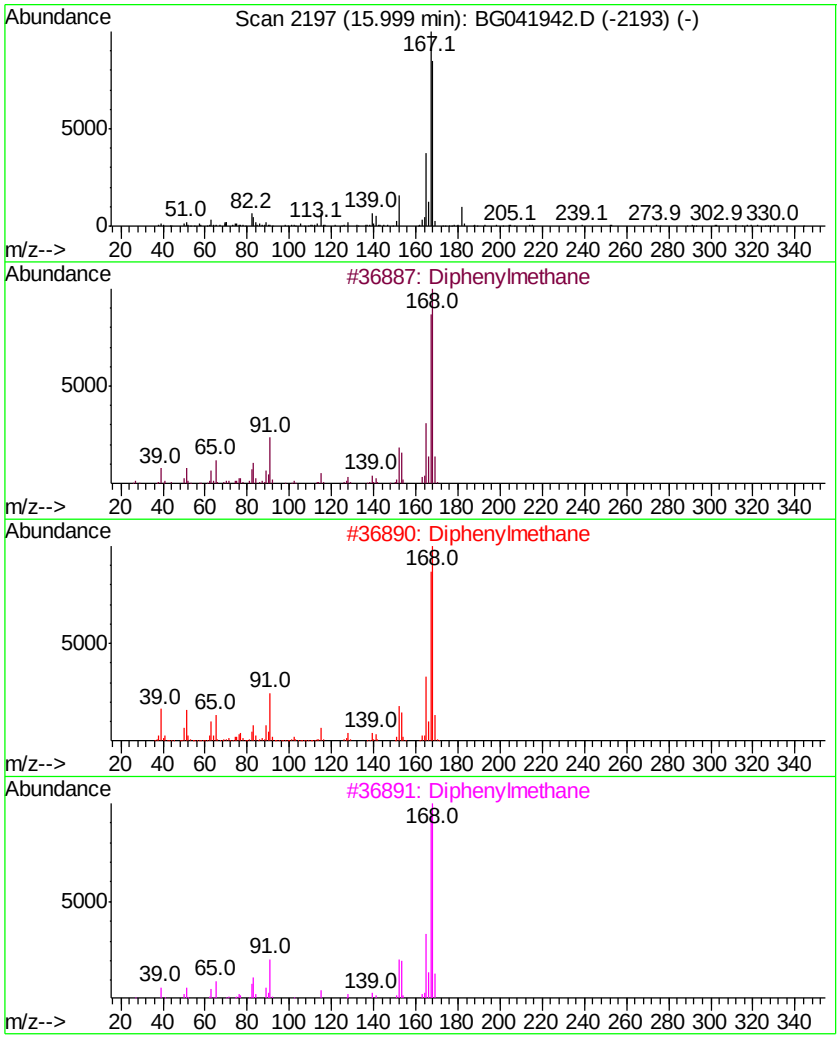
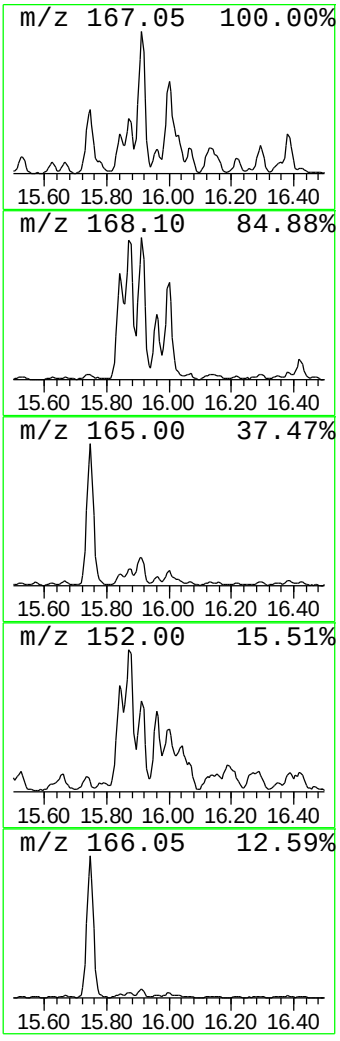
Peak Number 15 Diphenylmethane Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	3.54 ng/ul	202252	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	80
2	Diphenylmethane	168	C13H12	000101-81-5	80
3	Diphenylmethane	168	C13H12	000101-81-5	72
4	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	64
5	Diphenylmethane	168	C13H12	000101-81-5	64





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Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP1DL

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Quant Title : SVOA CALIBRATION

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

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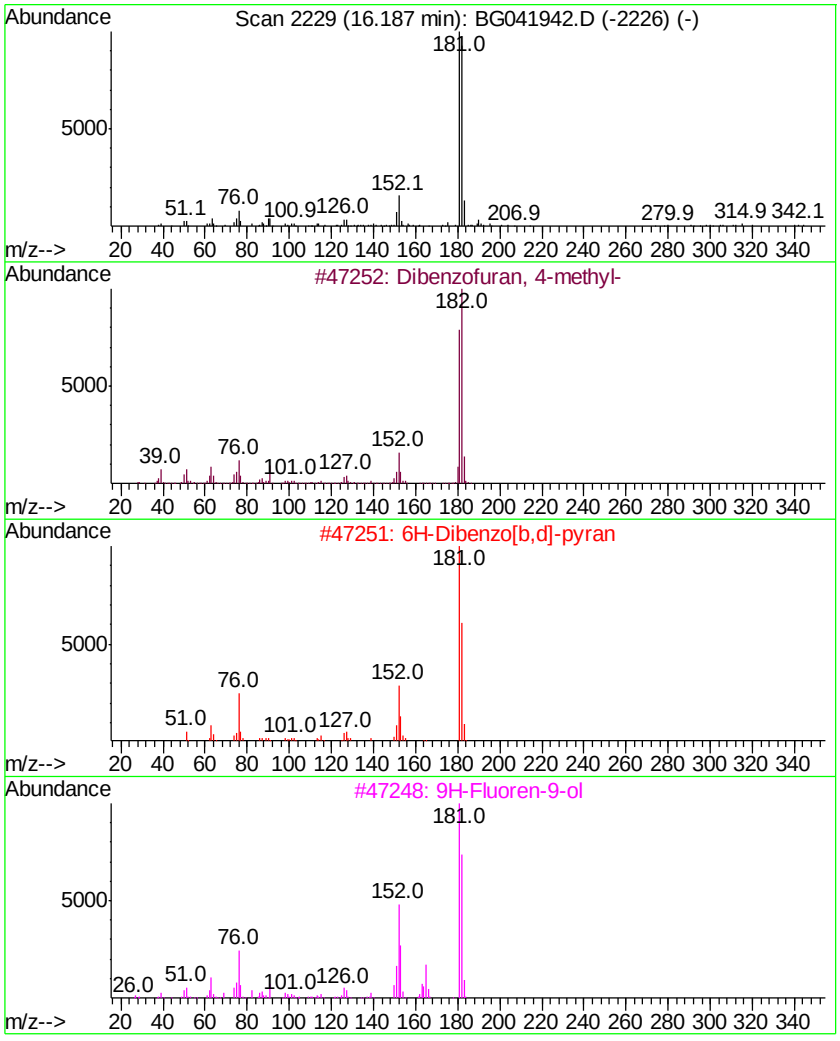
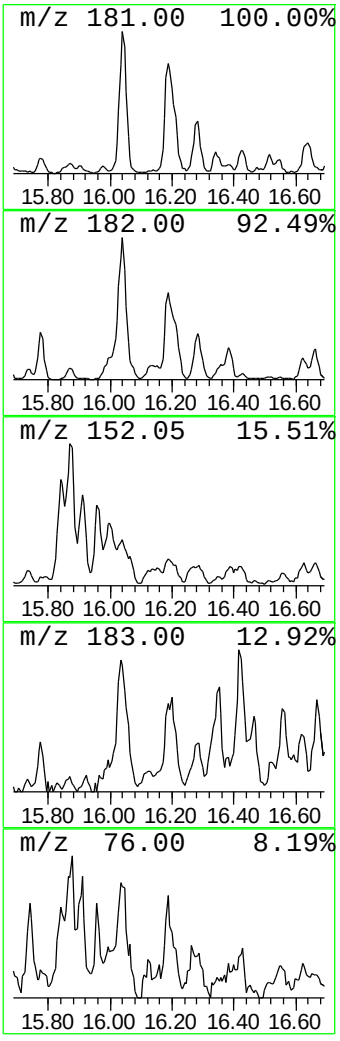
Peak Number 16 Dibenzofuran, 4-methyl- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	4.87 ng/ul	237197	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	86
2	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	78
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78





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Misc :
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Quant Title : SVOA CALIBRATION

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

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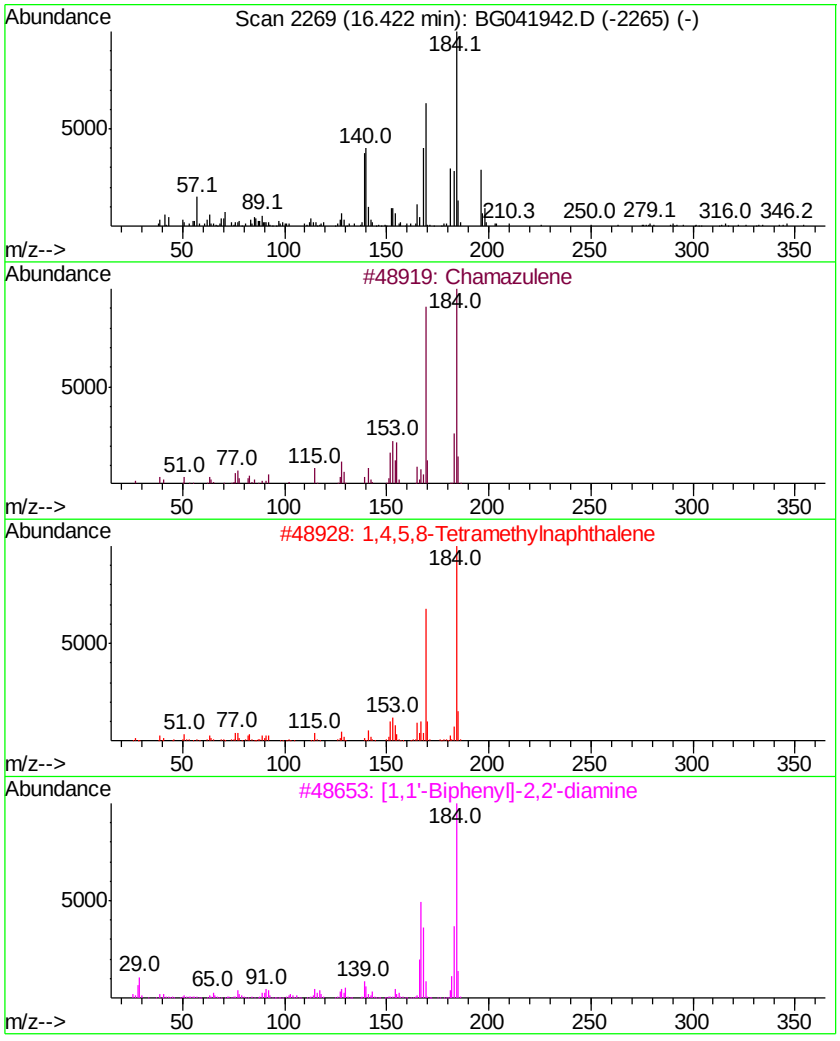
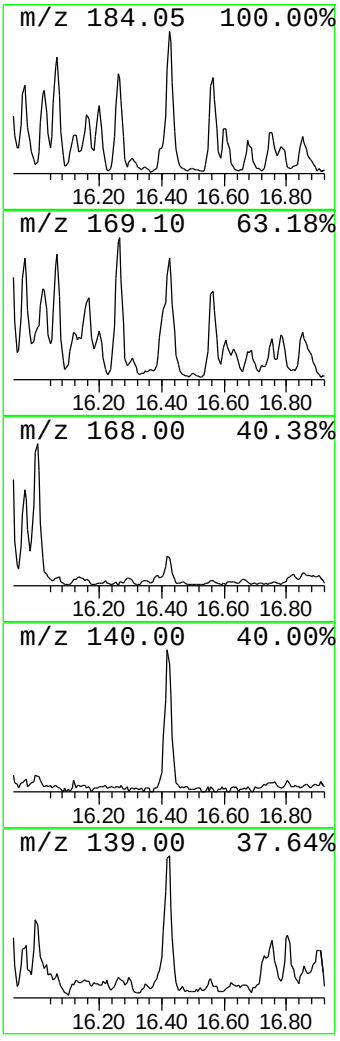
Peak Number 17 Chamazulene Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	6.58 ng/ul	320549	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chamazulene	184	C14H16	000529-05-5	50
2	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	46
3	[1,1'-Biphenyl]-2,2'-diamine	184	C12H12N2	001454-80-4	46
4	Benzene, 1-methyl-2-phenoxy-	184	C13H12O	003991-61-5	42
5	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	41





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Sample : K3850-02DL 10X
Misc :
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ClientSampleId : BENP1DL

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Quant Title : SVOA CALIBRATION

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

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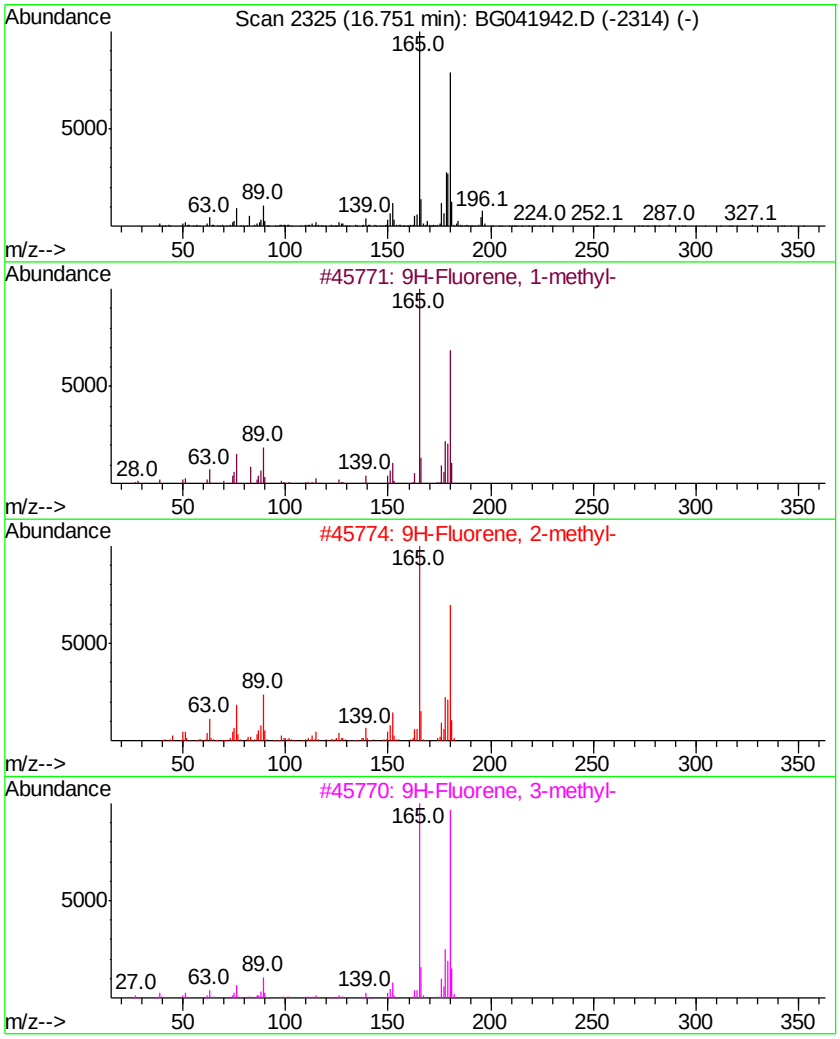
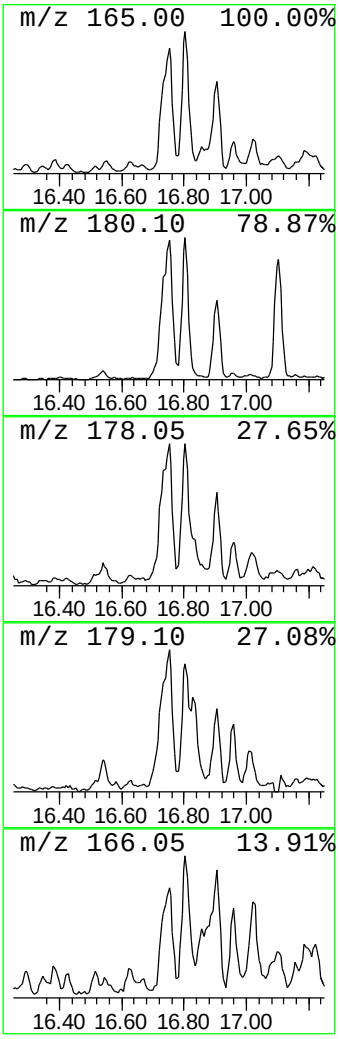
Peak Number 18 9H-Fluorene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.75	20.74 ng/ul	1009790	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4	3H-Benz[e]indene, 2-methyl-	180	C14H12	150096-60-9	93
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93





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Operator : HP/JU
Sample : K3850-02DL 10X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP1DL

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Quant Title : SVOA CALIBRATION

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

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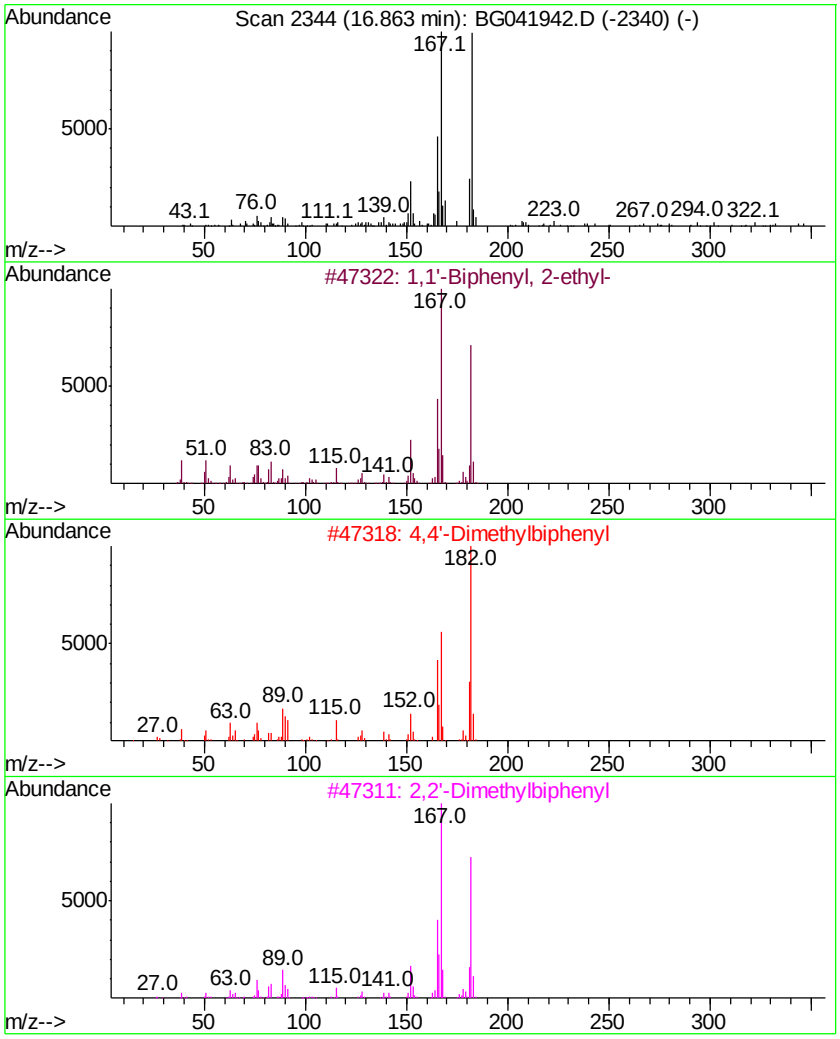
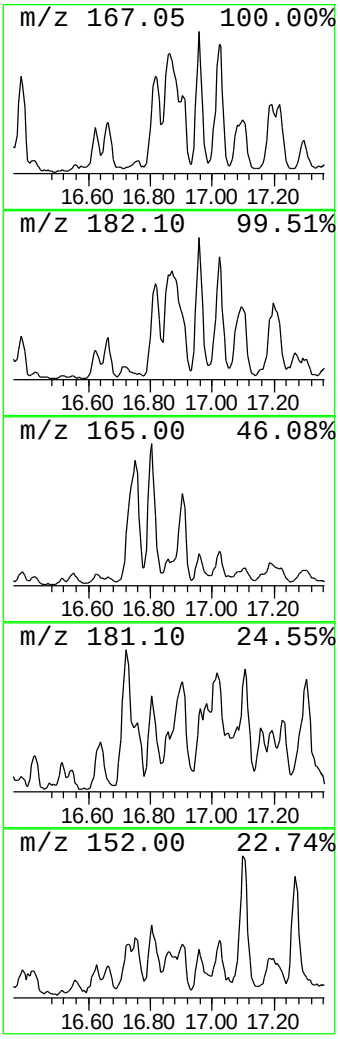
Peak Number 20 1,1'-Biphenyl, 2-ethyl- Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.86	4.82 ng/ul	234841	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	91
2	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	89
3	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	80
4	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	74
5	1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	74





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Quant Title : SVOA CALIBRATION

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

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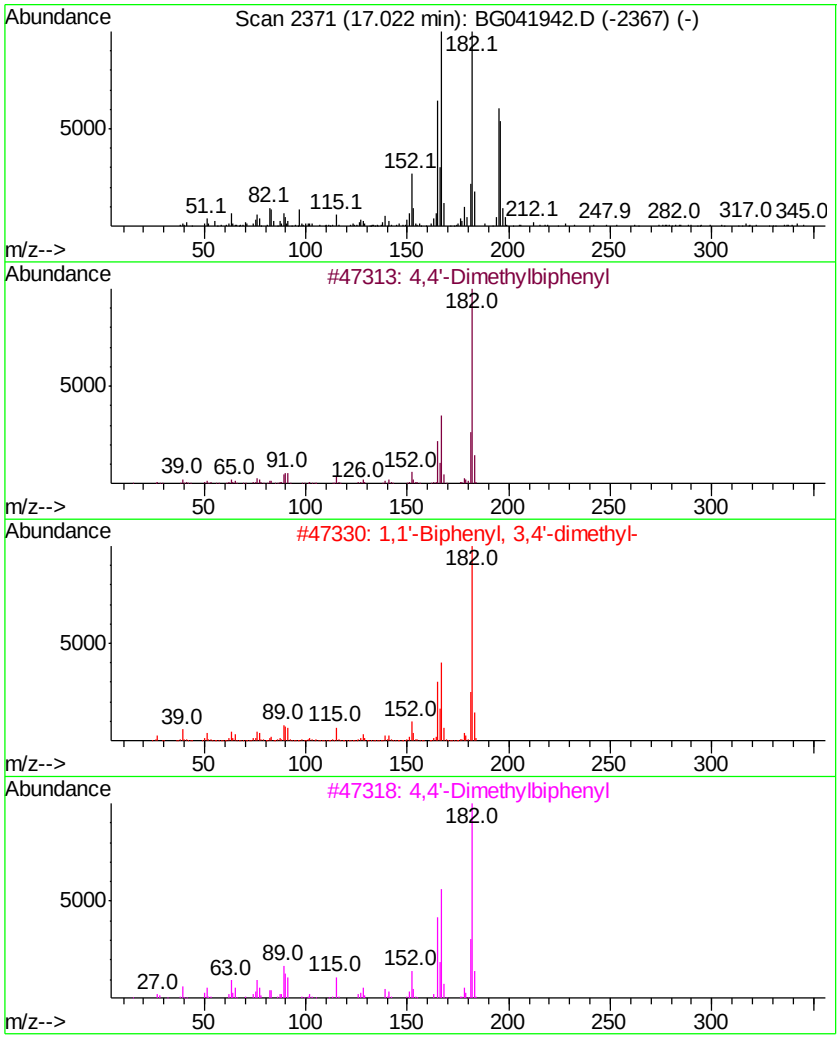
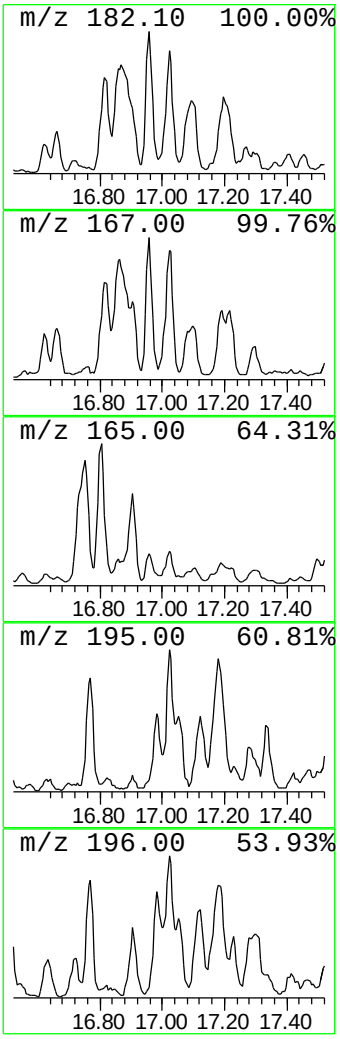
Peak Number 23 4,4'-Dimethylbiphenyl Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.02	9.70 ng/ul	472349	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	86
2	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	83
3	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	83
4	1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	83
5	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	78





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Misc :
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Quant Title : SVOA CALIBRATION

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

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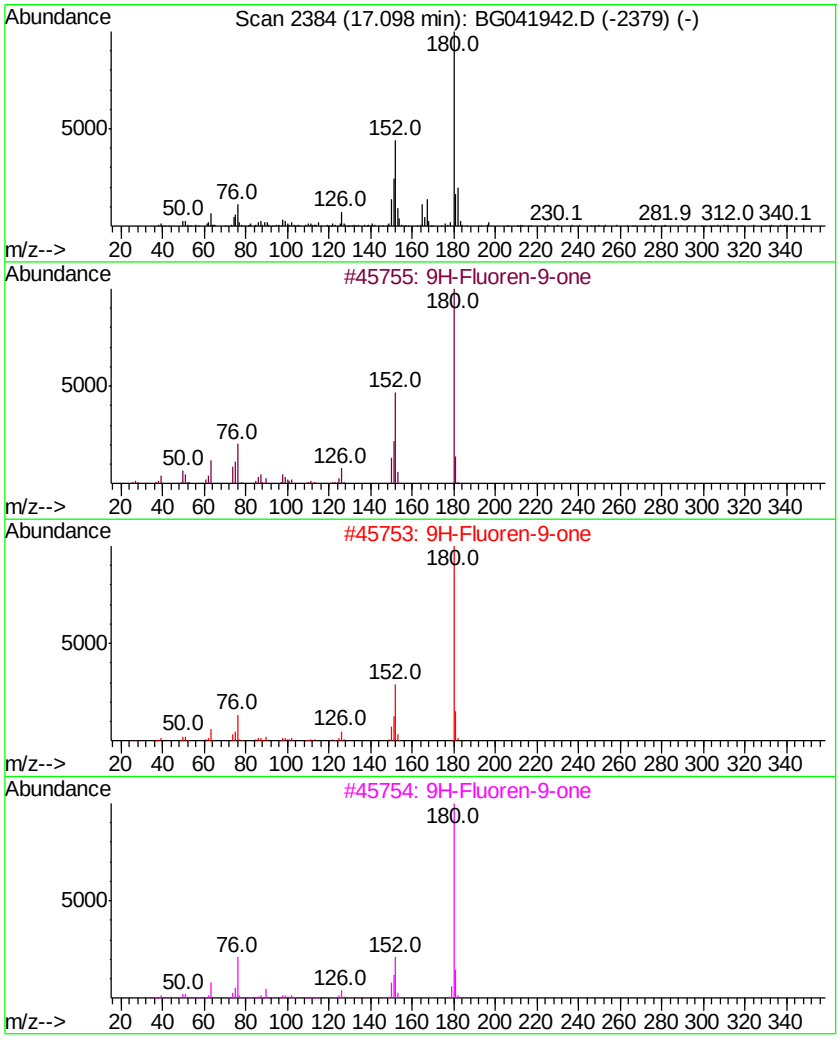
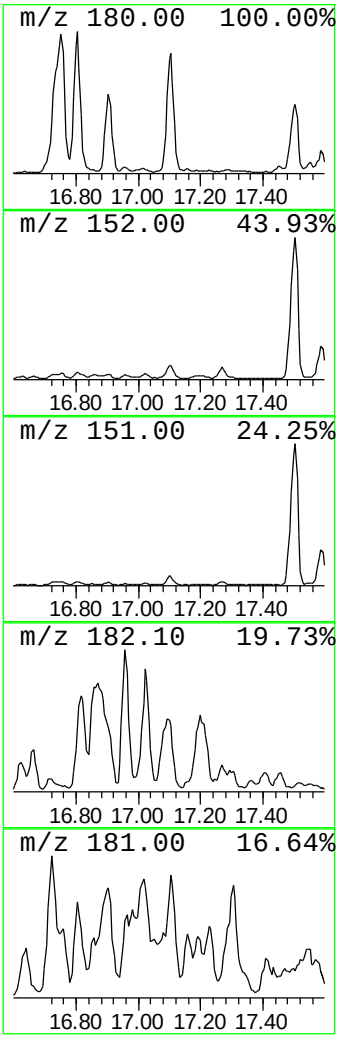
Peak Number 24 9H-Fluoren-9-one Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.10	9.32 ng/ul	453927	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	81
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	81
4	Diphenic anhydride	224	C14H8O3	006050-13-1	64
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	64





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Quant Title : SVOA CALIBRATION

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

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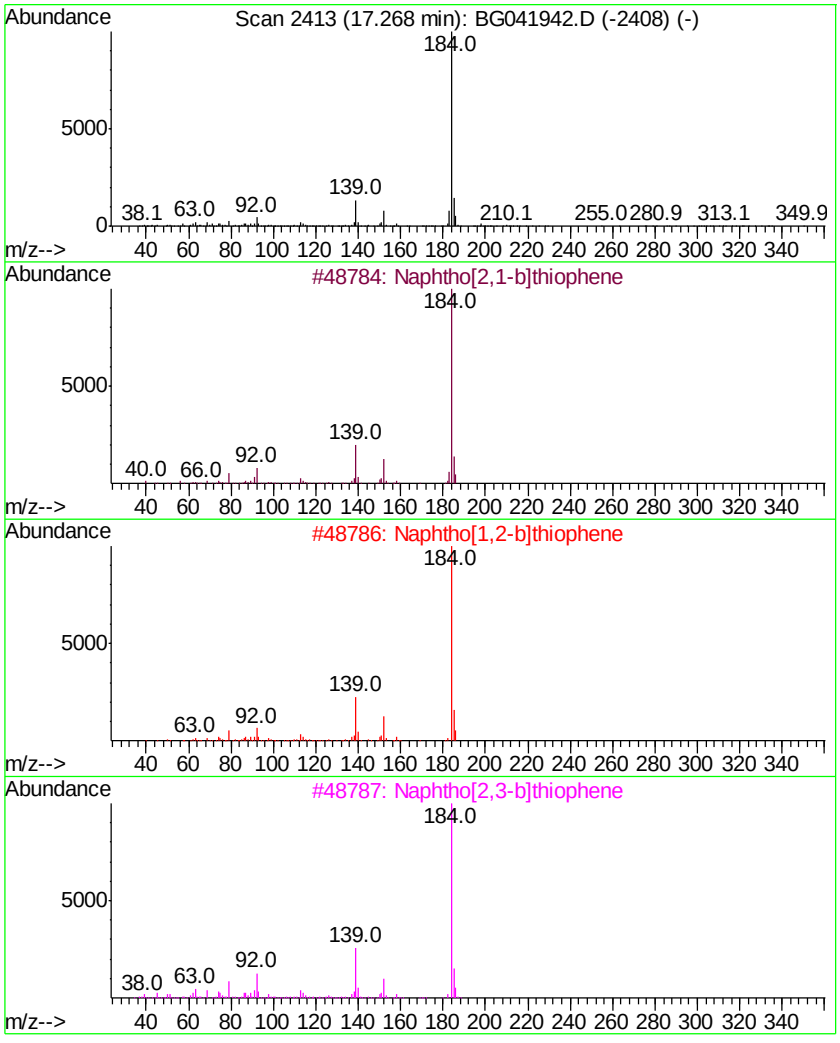
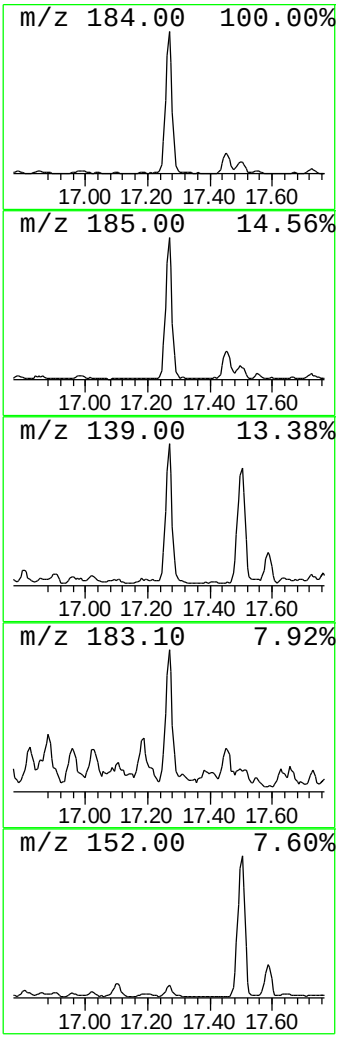
Peak Number 26 Naphtho[2,1-b]thiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.27	19.62 ng/ul	955011	Phenanthrene-d10	17.46

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





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Quant Title : SVOA CALIBRATION

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

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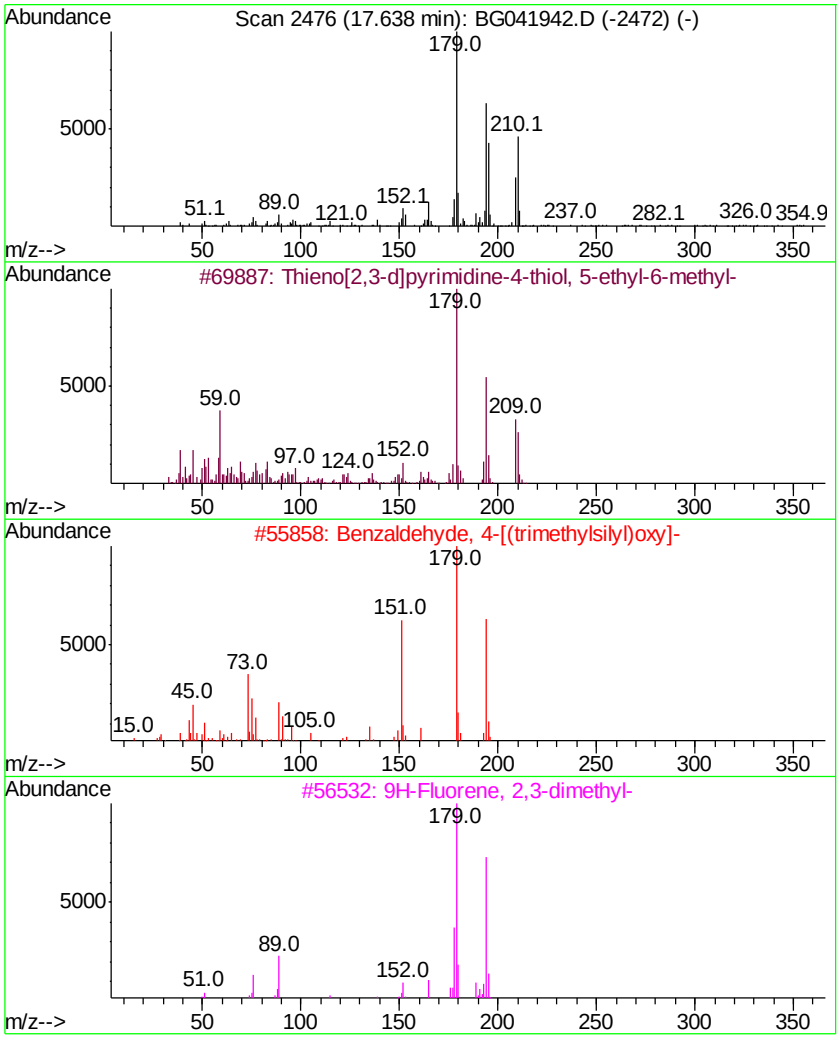
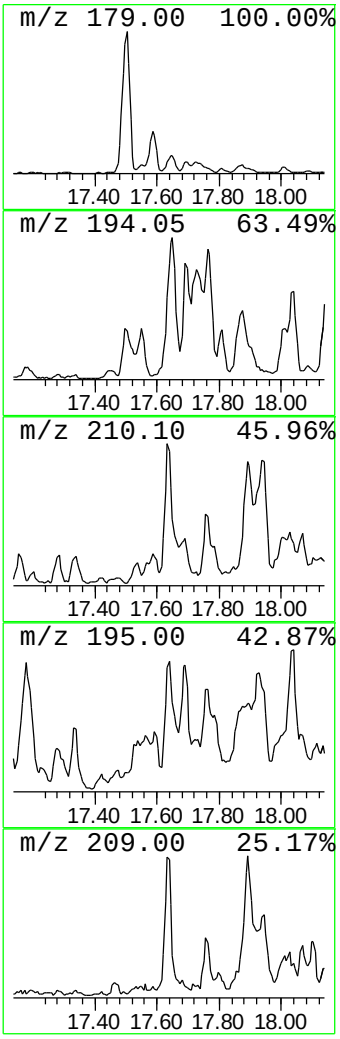
Peak Number 27 Thieno[2,3-d]pyrimidine-4-t... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.64	7.46 ng/ul	363270	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thieno[2,3-d]pyrimidine-4-thiol,...	210	C9H10N2S2	1000303-48-8	80
2	Benzaldehyde, 4-[(trimethylsilyl...	194	C10H14O2Si	001012-12-0	58
3	9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	58
4	Silane, trimethyl(3,5-xylyloxy)-	194	C11H18OSi	017994-05-7	53
5	Anthracene, 9,10-dihydro-2-methyl-	194	C15H14	000948-67-4	53





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ClientSampleId : BENP1DL

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Quant Title : SVOA CALIBRATION

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

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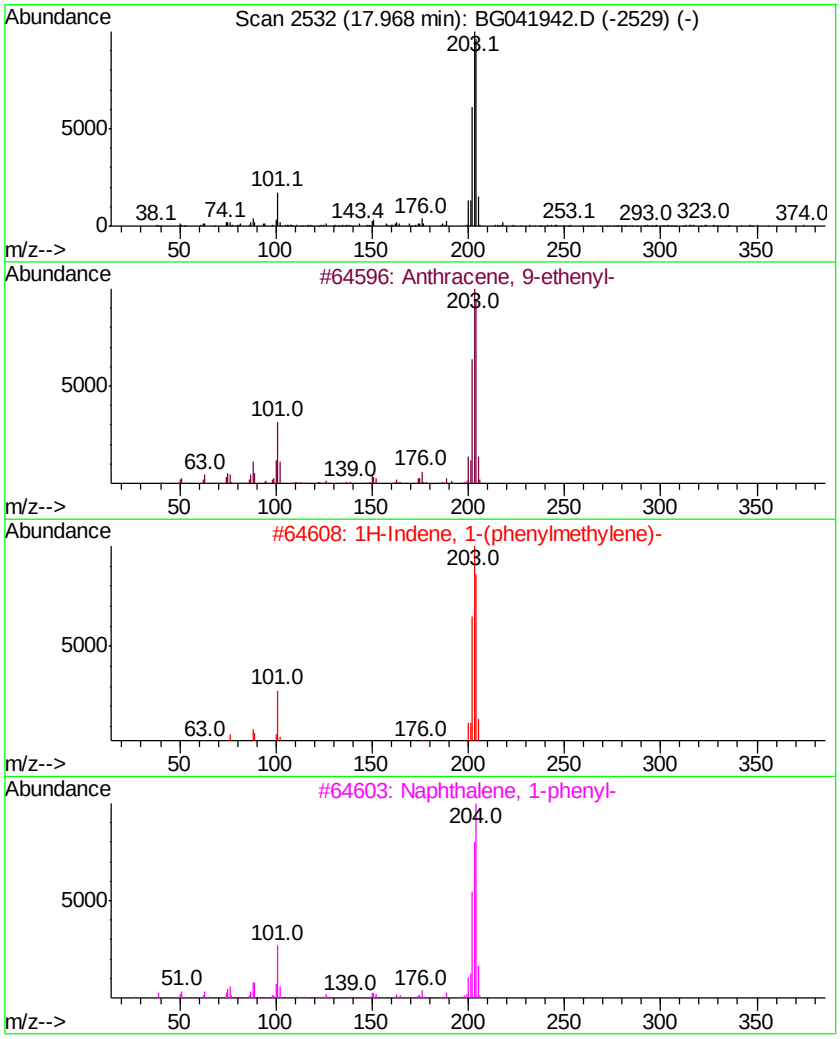
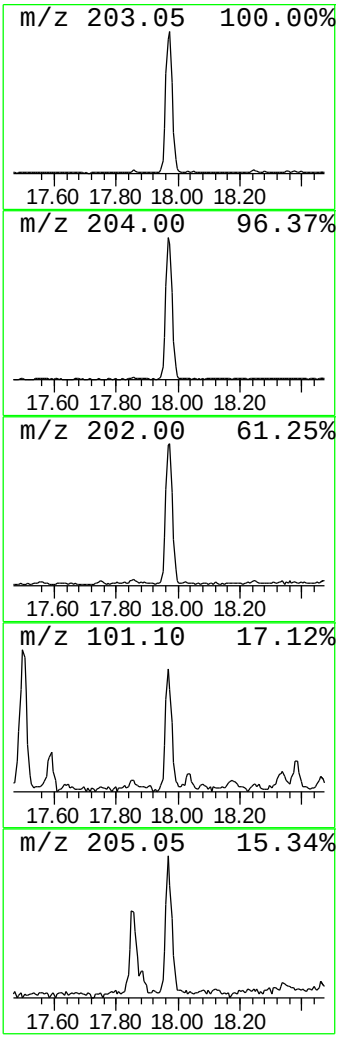
Peak Number 28 Anthracene, 9-ethenyl- Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	4.41 ng/ul	214491	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	76
2	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	74
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	72
4	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	68
5	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	64





Library Search Compound Report

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Acq On : 4 Aug 2019 14:24
Operator : HP/JU
Sample : K3850-02DL 10X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP1DL

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Quant Title : SVOA CALIBRATION

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

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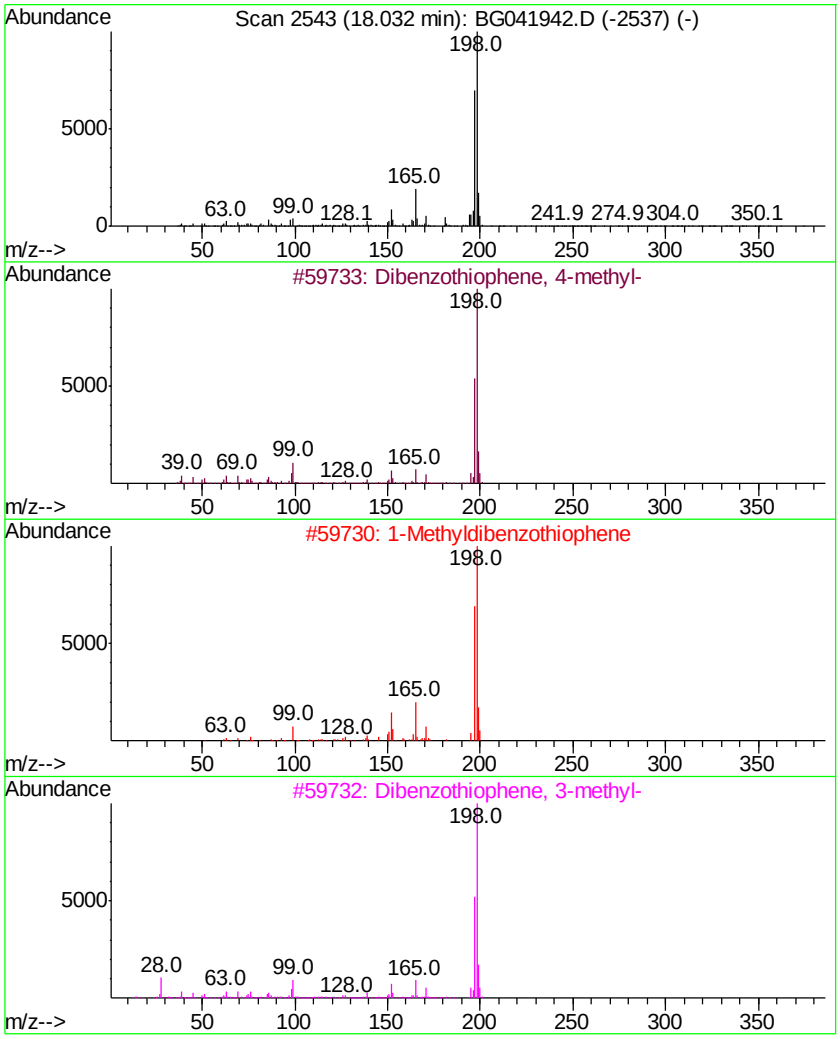
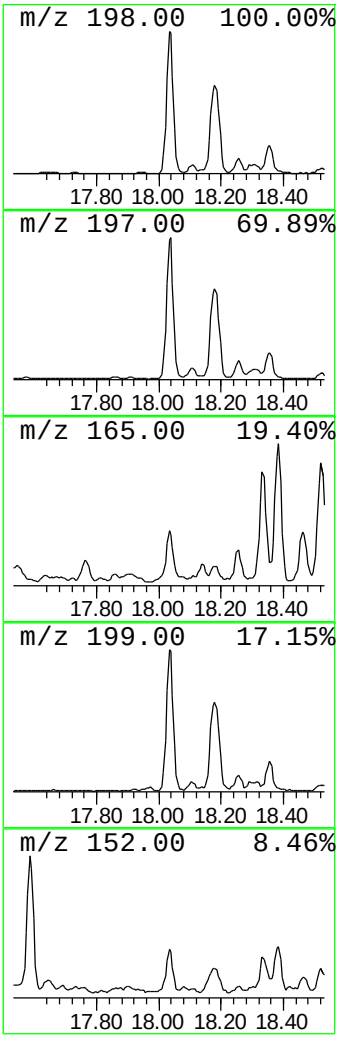
Peak Number 29 Dibenzothiophene, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	23.26 ng/ul	1132440	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	86
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	81
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64
5	Thioxanthene	198	C13H10S	000261-31-4	64





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ClientSampleId : BENP1DL

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Quant Title : SVOA CALIBRATION

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

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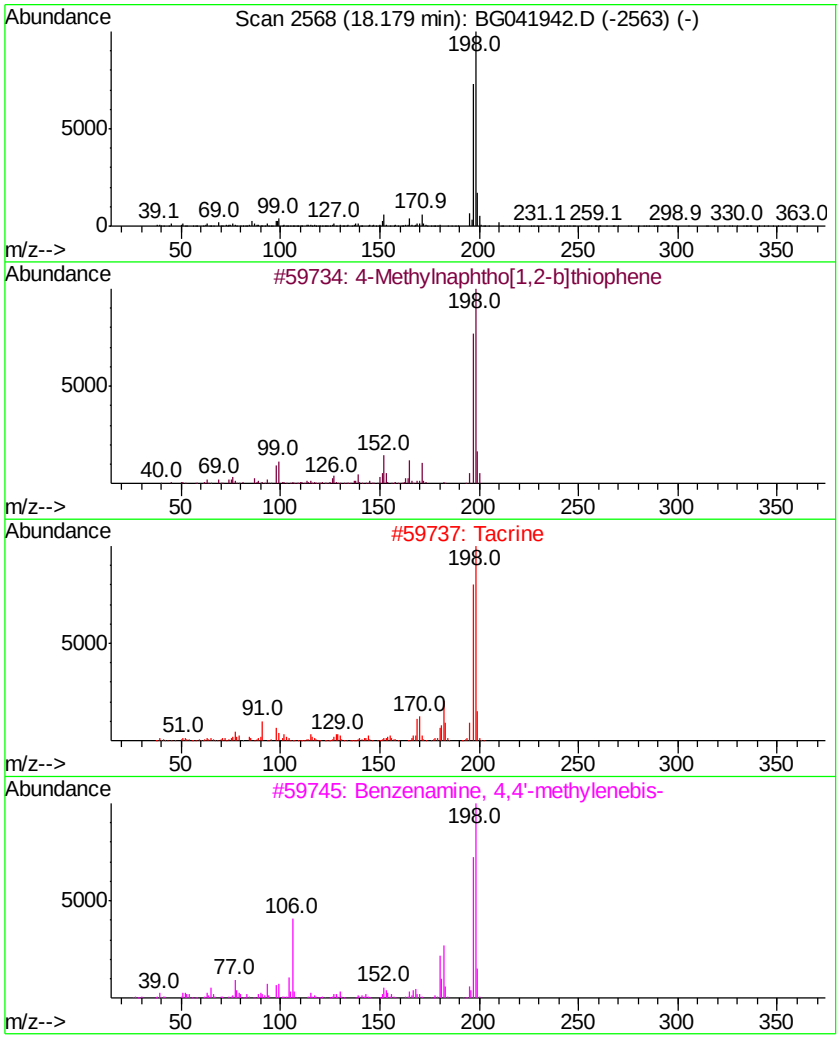
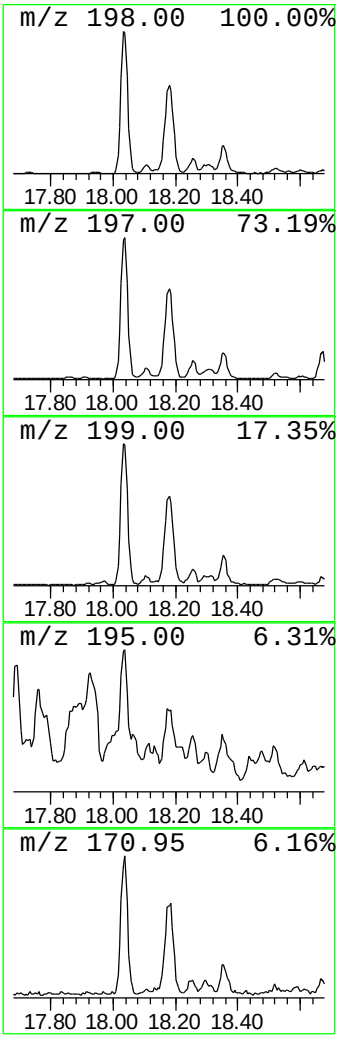
Peak Number 30 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	14.65 ng/ul	713205	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	94
2	Tacrine	198	C13H14N2	000321-64-2	86
3	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	86
4	Benzeneacetonitrile, 4-(1,2,3,6-...	198	C13H14N2	1000115-51-2	80
5	Tacrine	198	C13H14N2	000321-64-2	78





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Quant Title : SVOA CALIBRATION

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

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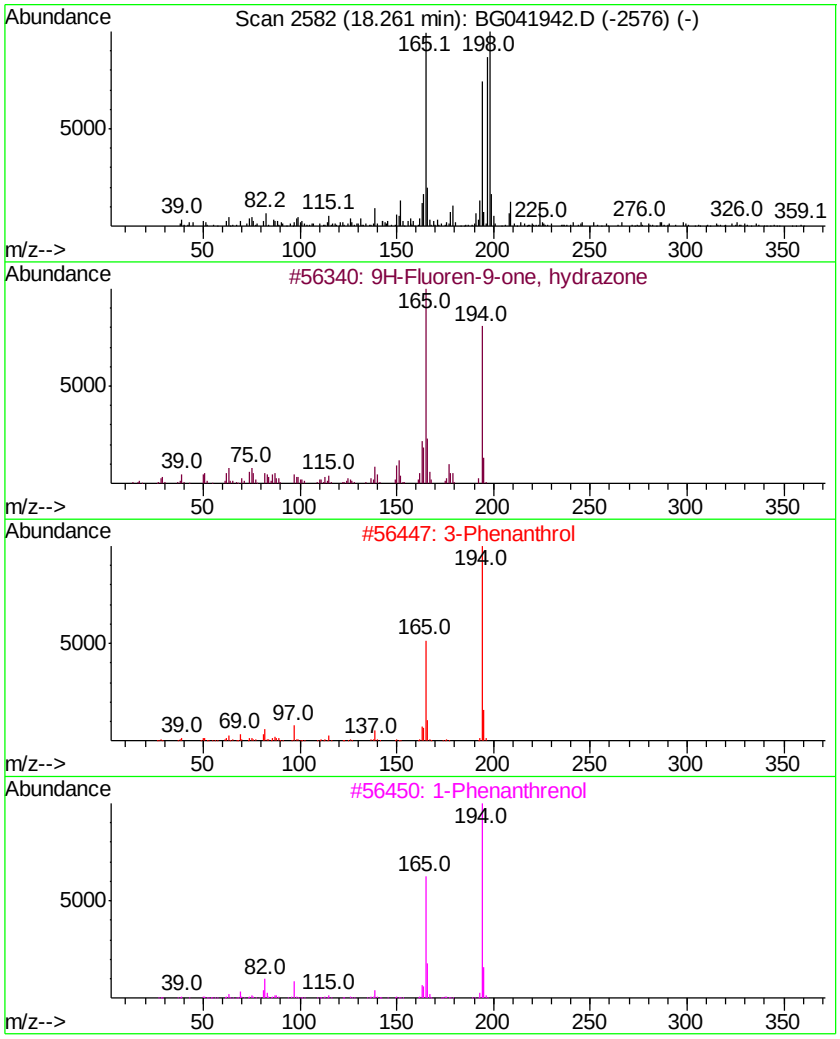
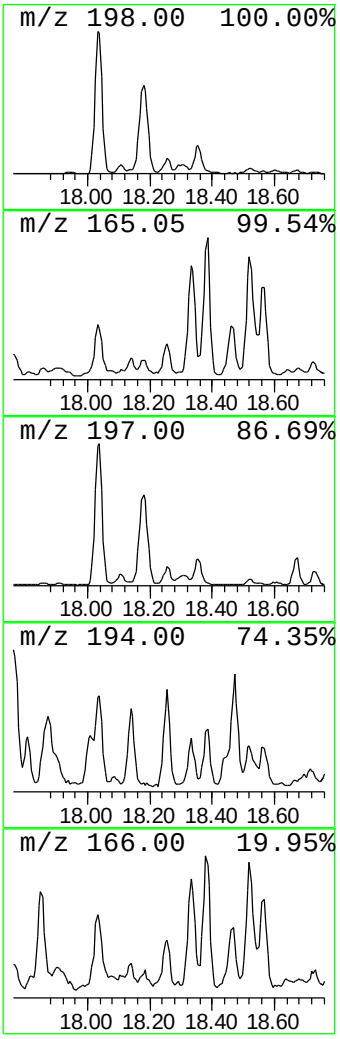
Peak Number 31 9H-Fluoren-9-one, hydrazone Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	5.06 ng/ul	246542	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one, hydrazone	194	C13H10N2	013629-22-6	64
2	3-Phenanthrol	194	C14H10O	000605-87-8	50
3	1-Phenanthrenol	194	C14H10O	002433-56-9	50
4	9-Phenanthrenol	194	C14H10O	000484-17-3	46
5	9H-Fluorene-9-thiol	198	C13H10S	019552-08-0	46





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Operator : HP/JU
Sample : K3850-02DL 10X
Misc :
ALS Vial : 43 Sample Multiplier: 1

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ClientSampleId : BENP1DL

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Quant Title : SVOA CALIBRATION

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

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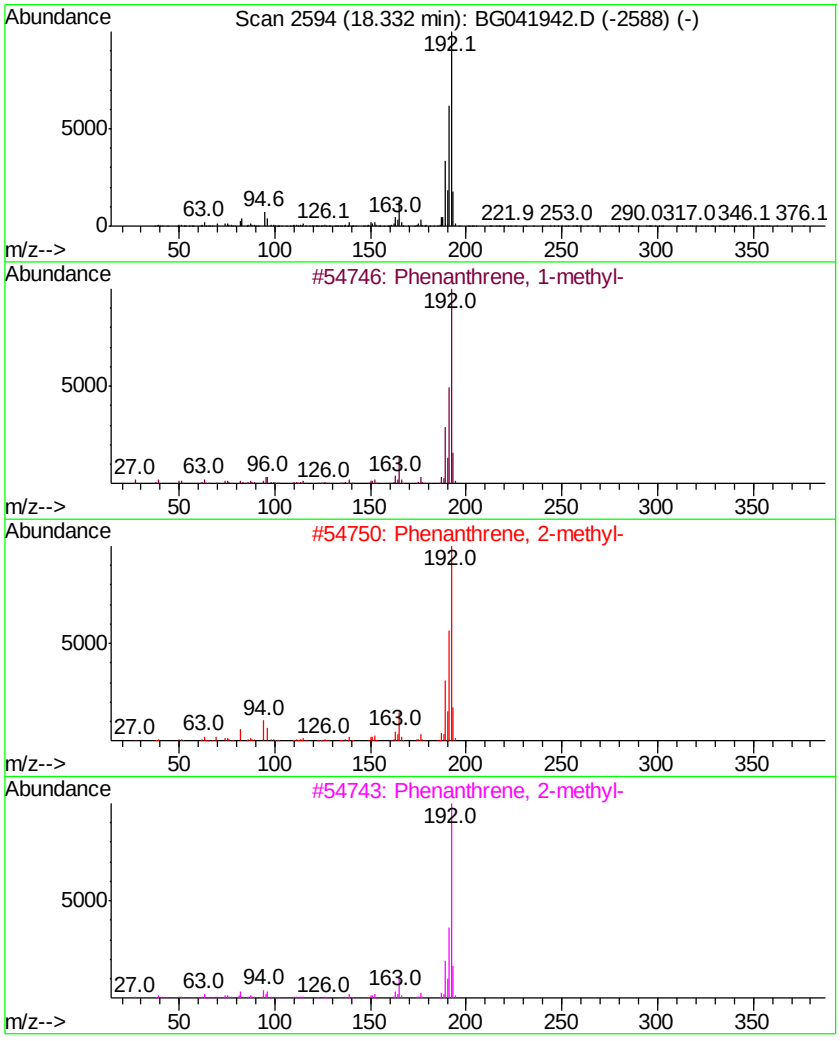
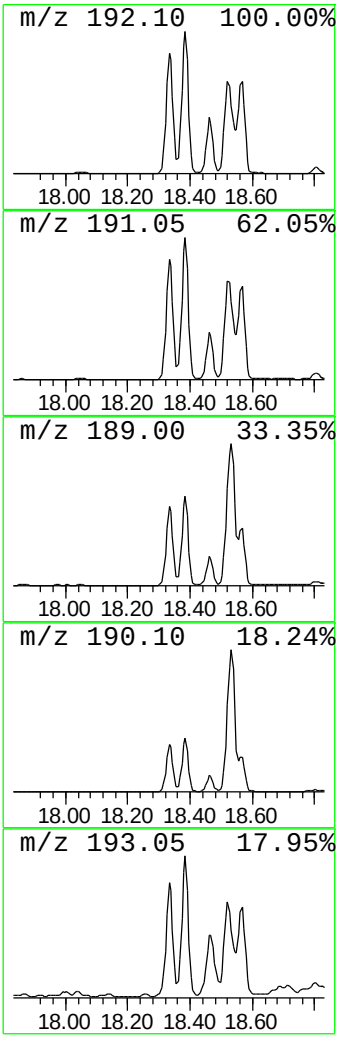
Peak Number 32 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	71.34 ng/ul	3473270	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Misc :
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ClientSampleId : BENP1DL

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Quant Title : SVOA CALIBRATION

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

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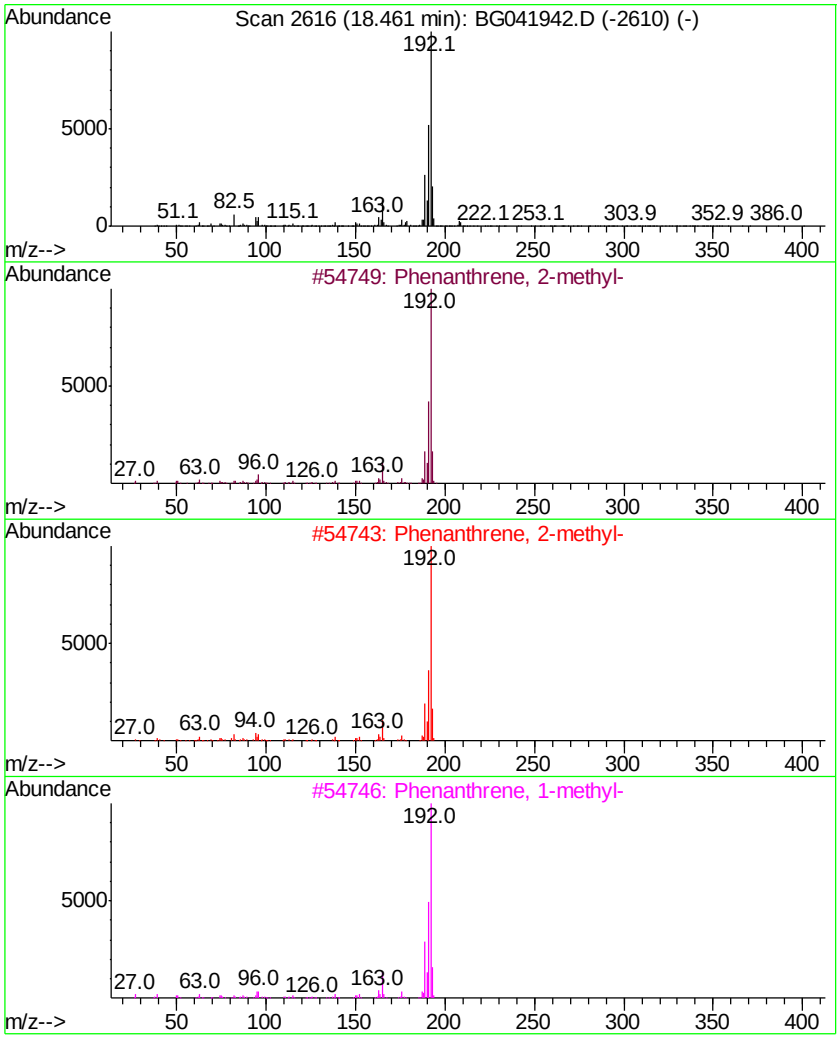
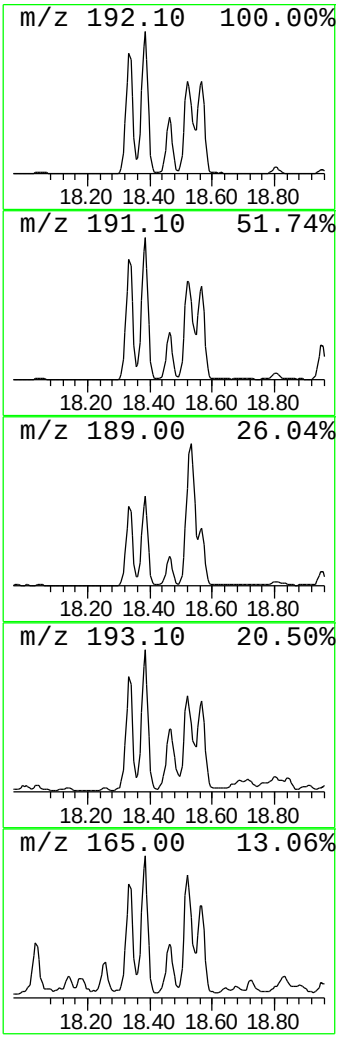
Peak Number 34 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.46	31.61 ng/ul	1538710	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





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Acq On : 4 Aug 2019 14:24
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Sample : K3850-02DL 10X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP1DL

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Quant Title : SVOA CALIBRATION

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

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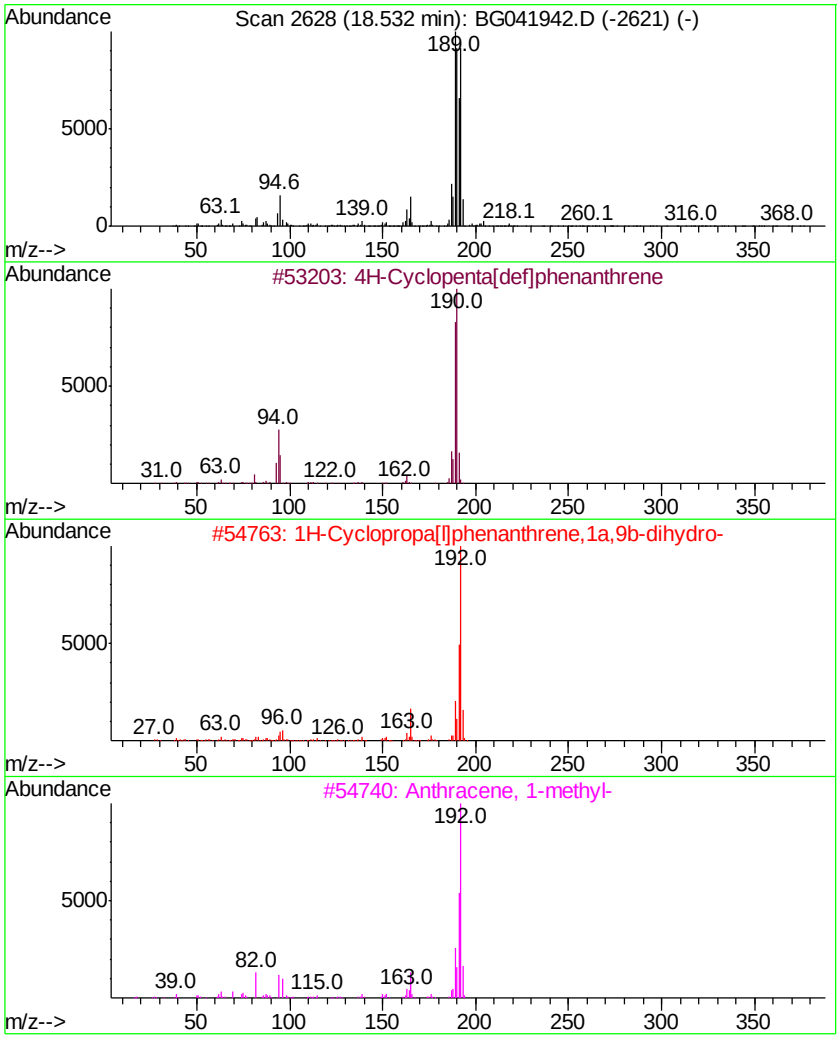
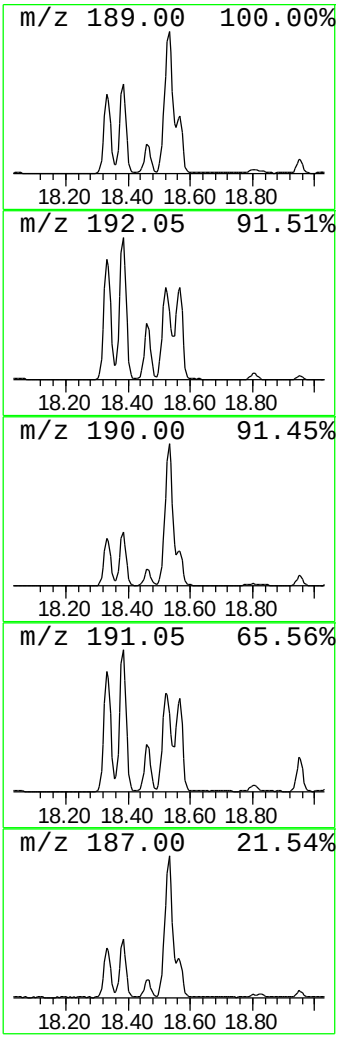
Peak Number 35 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	97.67 ng/ul	4755320	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	50
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	50
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	50
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	50





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Sample : K3850-02DL 10X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP1DL

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Quant Title : SVOA CALIBRATION

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

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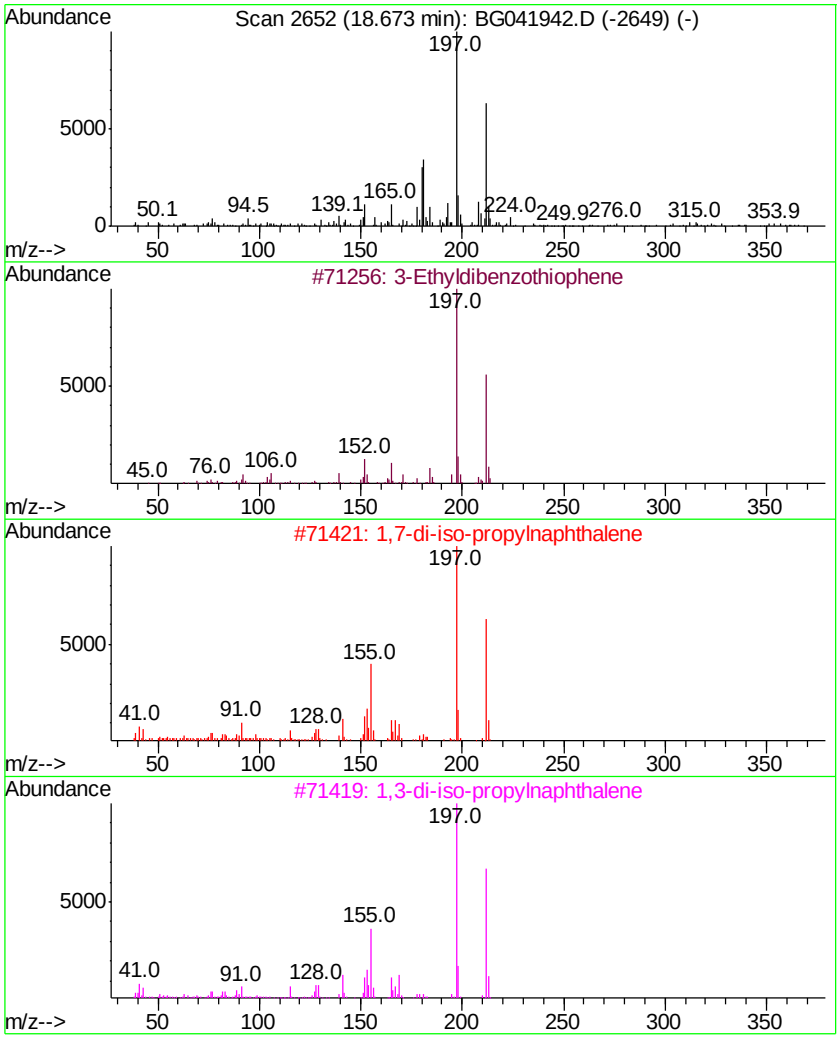
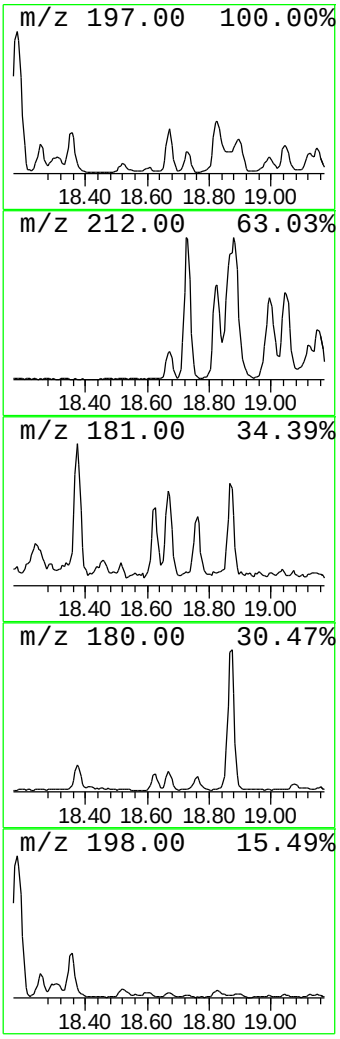
Peak Number 37 3-Ethyldibenzothiophene Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.67	3.91 ng/ul	190457	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Ethyldibenzothiophene	212	C14H12S	089817-03-8	70
2	1,7-di-iso-propylnaphthalene	212	C16H20	1000374-06-1	62
3	1,3-di-iso-propylnaphthalene	212	C16H20	1000374-05-2	58
4	Naphthalene, 6-methoxy-2-(1-bute...	212	C15H16O	101327-54-2	53
5	Phenol, 4-(1-methyl-1-phenylethyl)-	212	C15H16O	000599-64-4	50





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Operator : HP/JU
Sample : K3850-02DL 10X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP1DL

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Quant Title : SVOA CALIBRATION

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

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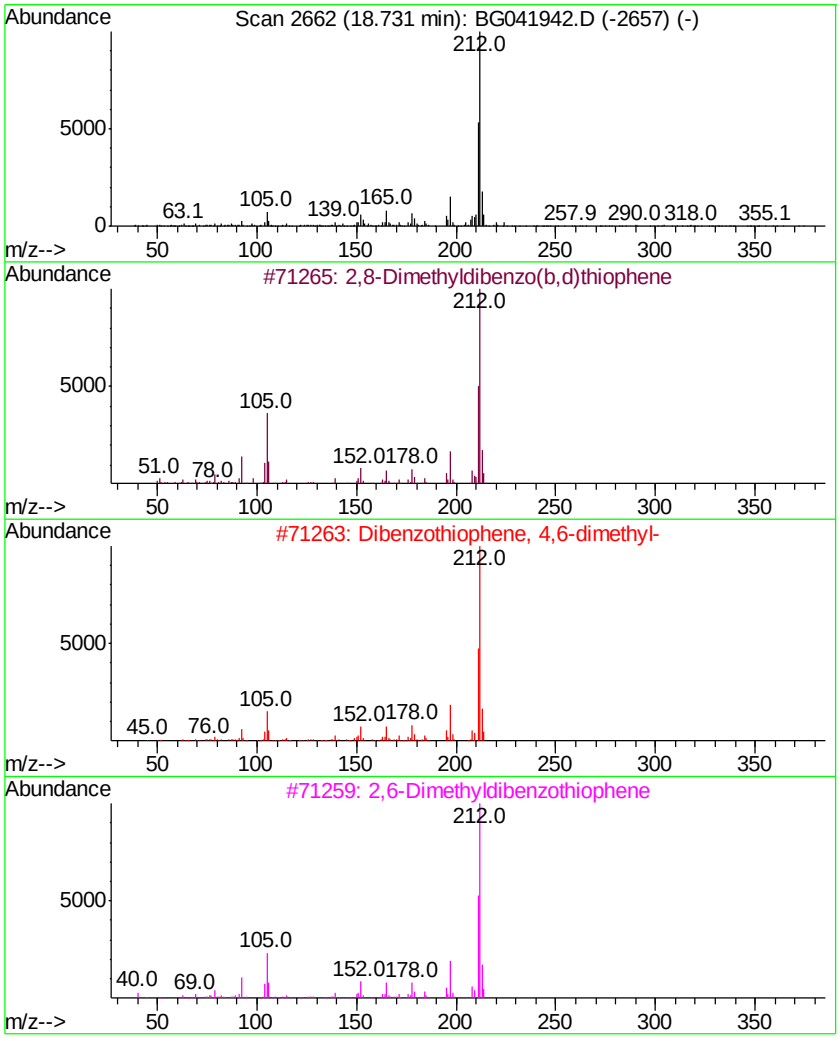
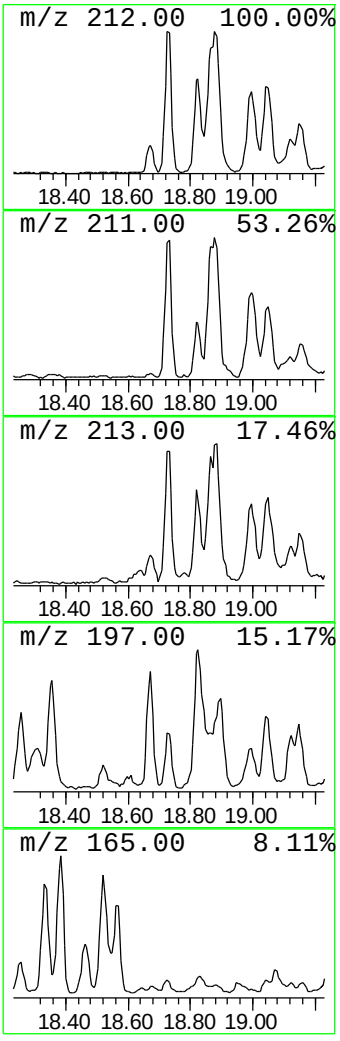
Peak Number 38 2,8-Dimethyldibenzo(b,d)thi... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.73	9.38 ng/ul	456766	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	93
2	Dibenzothiophene, 4,6-dimethyl-	212	C14H12S	001207-12-1	93
3	2,6-Dimethyldibenzothiophene	212	C14H12S	089816-75-1	90
4	3,7-Dimethyldibenzothiophene	212	C14H12S	001136-85-2	90
5	Naphtho[2,3-b]furan-4,9-dione, 3...	212	C13H8O3	027161-84-8	89





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ClientSampleId : BENP1DL

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Quant Title : SVOA CALIBRATION

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

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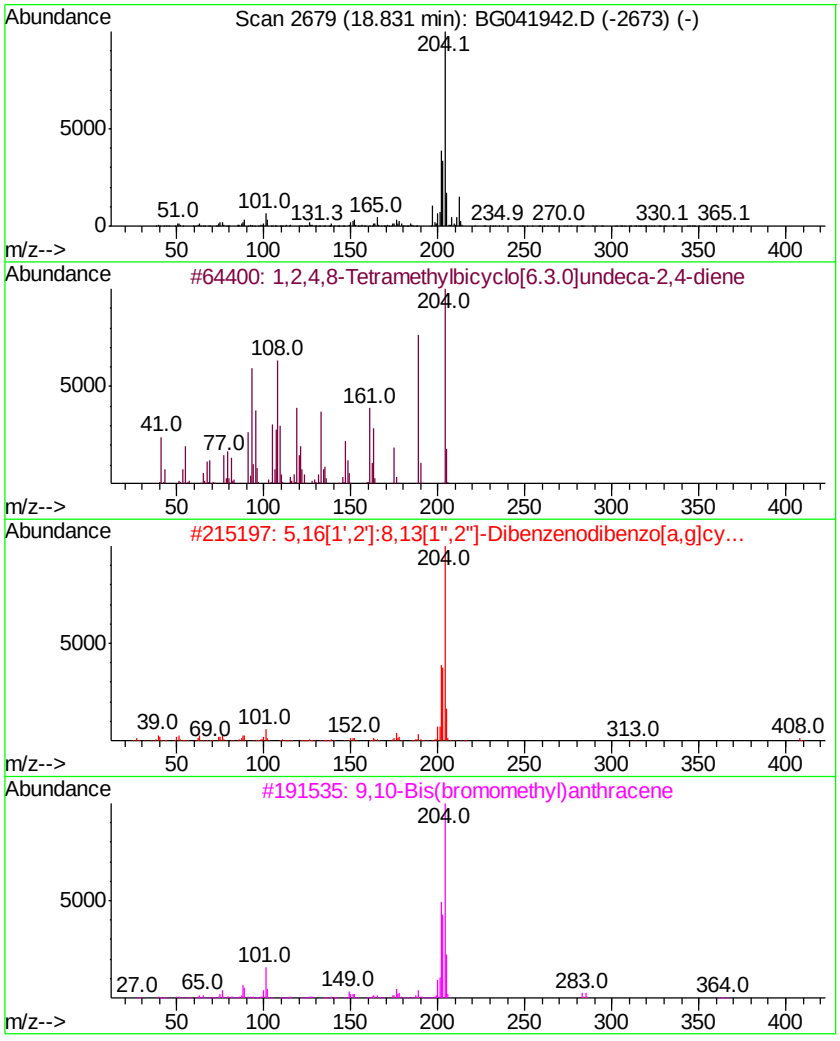
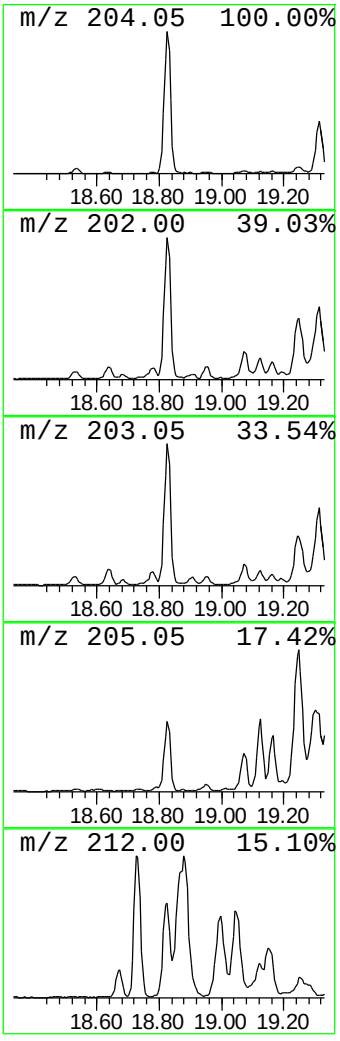
Peak Number 39 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	28.68 ng/ul	1396170	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	80
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	68
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	59
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	55
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	55





Library Search Compound Report

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Misc :
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Quant Title : SVOA CALIBRATION

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

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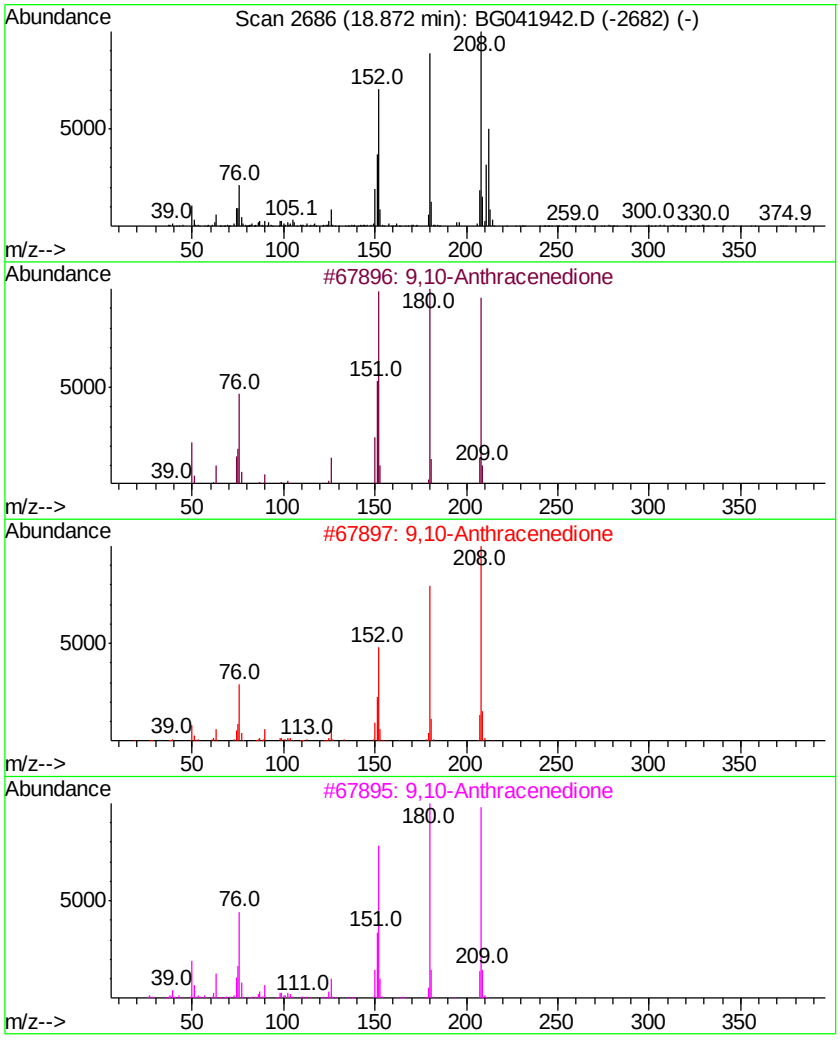
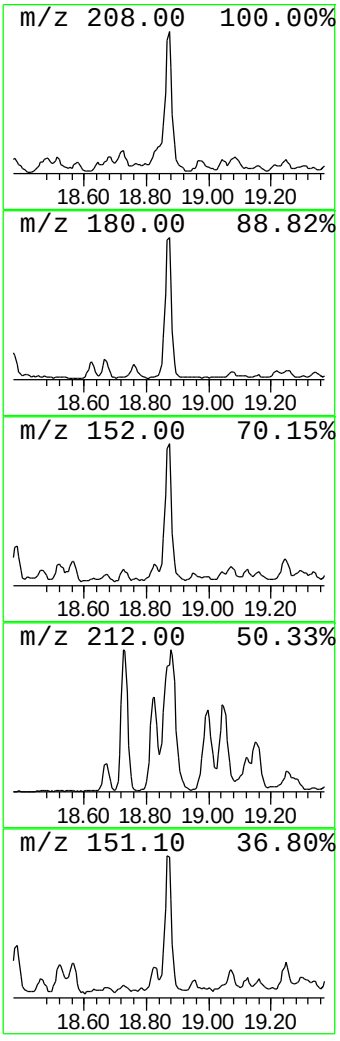
Peak Number 40 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	29.47 ng/ul	1434550	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	89
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	50





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Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP1DL

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Quant Title : SVOA CALIBRATION

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

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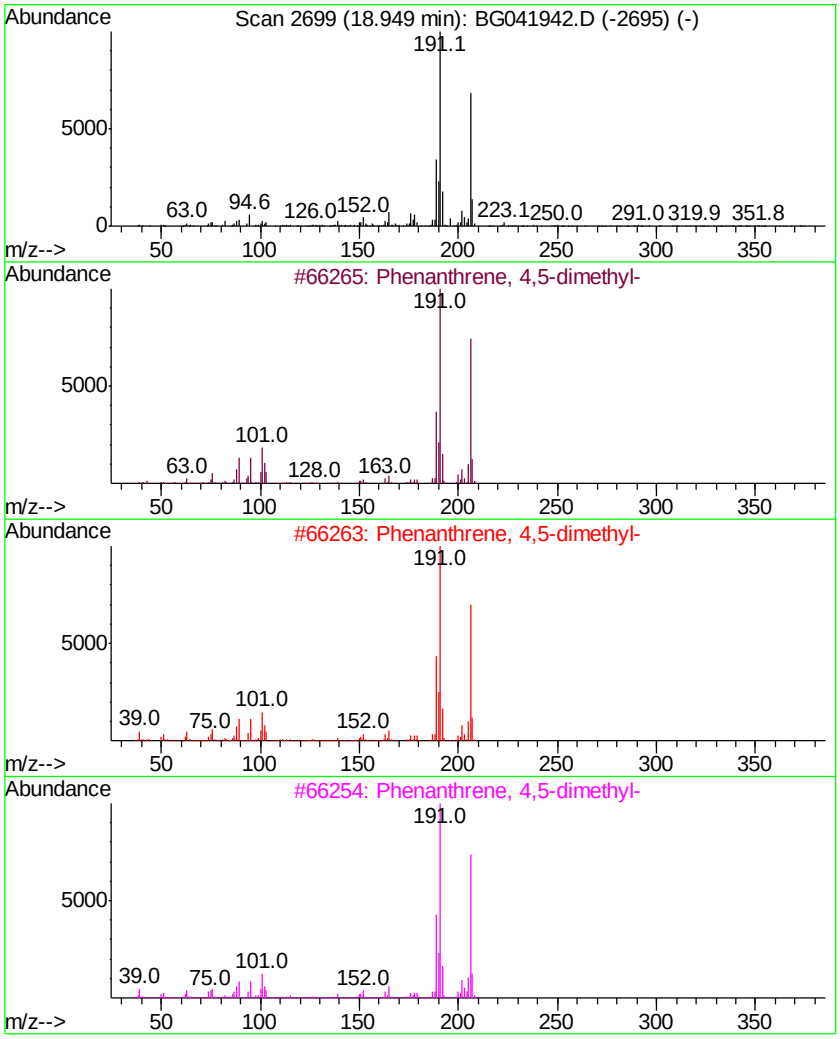
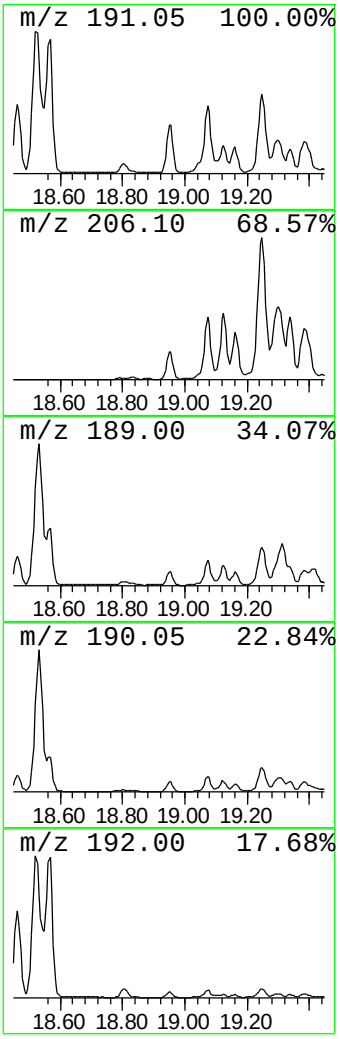
Peak Number 41 Phenanthrene, 4,5-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.95	13.68 ng/ul	666004	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91





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Data File : BG041942.D
Acq On : 4 Aug 2019 14:24
Operator : HP/JU
Sample : K3850-02DL 10X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP1DL

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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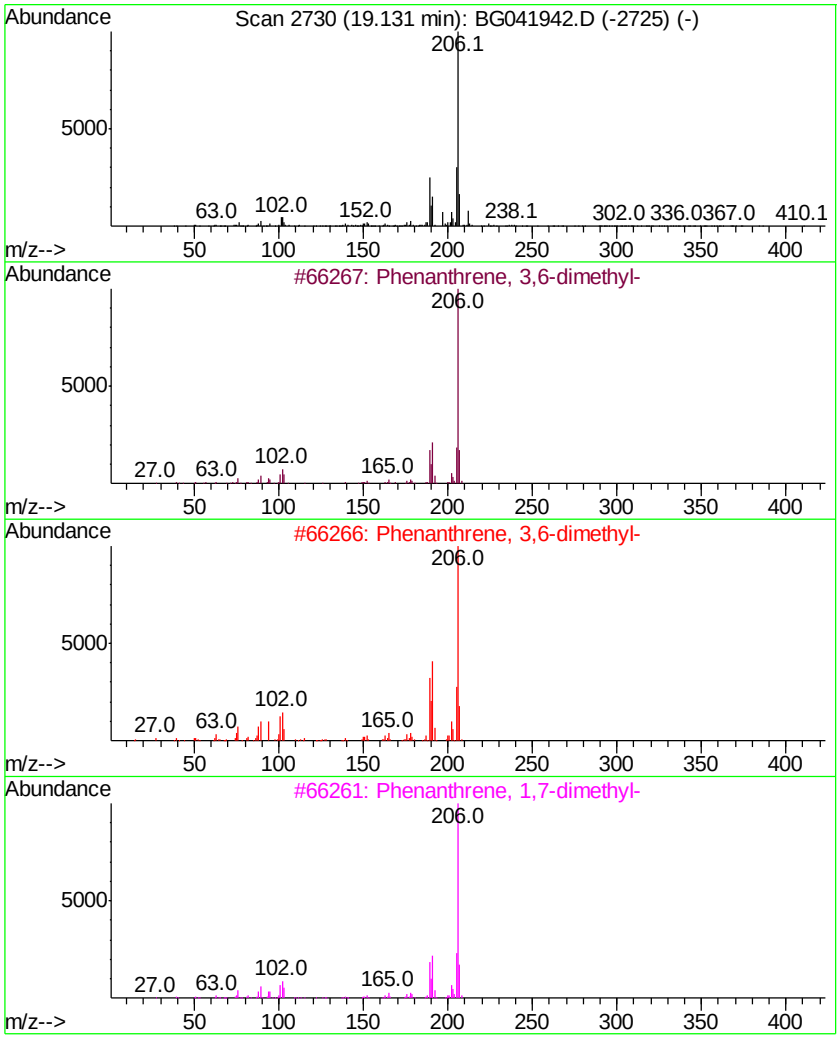
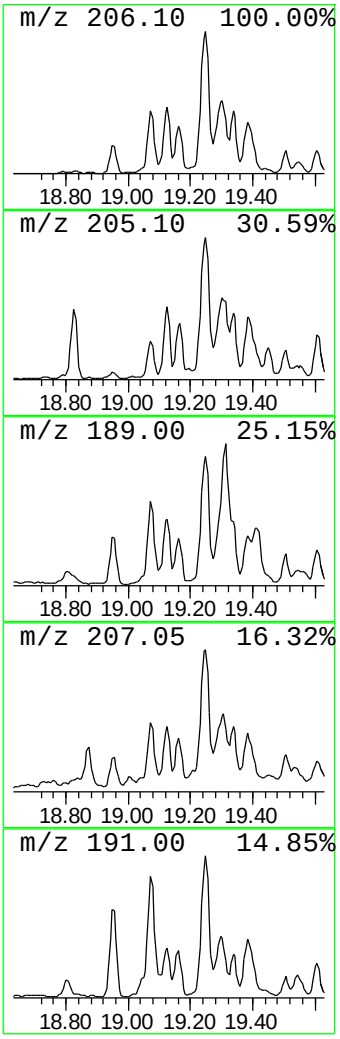
Peak Number 43 Phenanthrene, 3,6-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	11.93 ng/ul	580605	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041942.D
Acq On : 4 Aug 2019 14:24
Operator : HP/JU
Sample : K3850-02DL 10X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP1DL

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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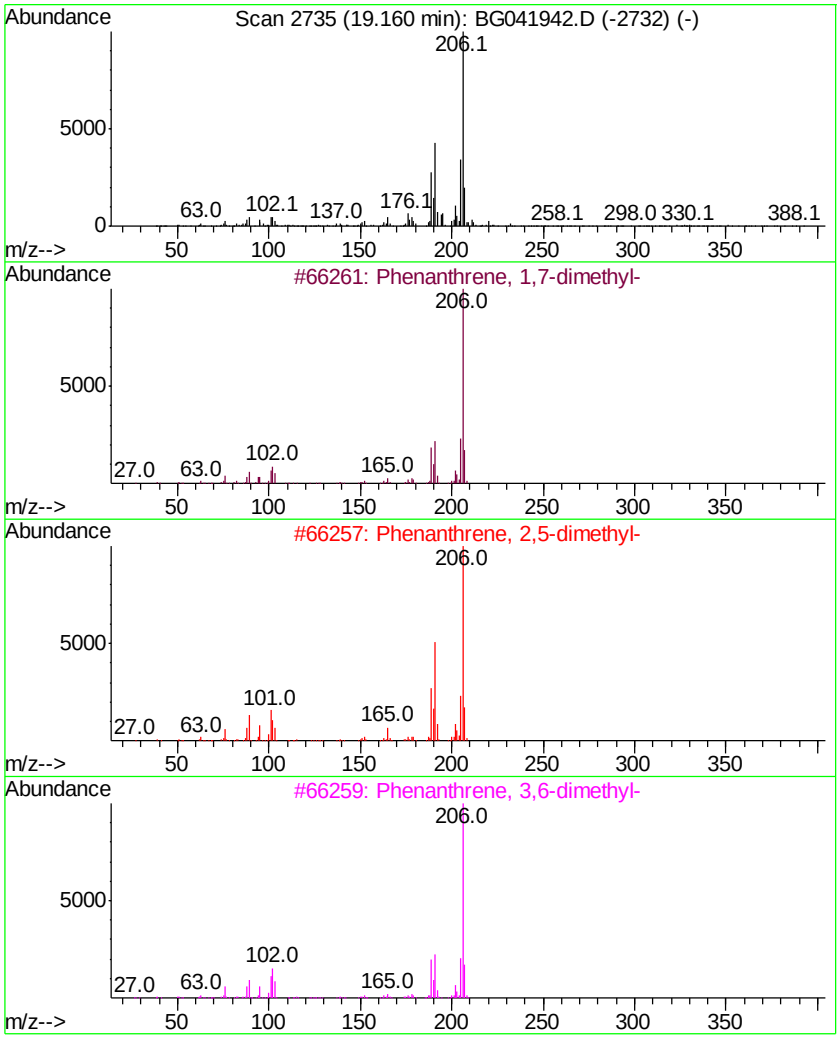
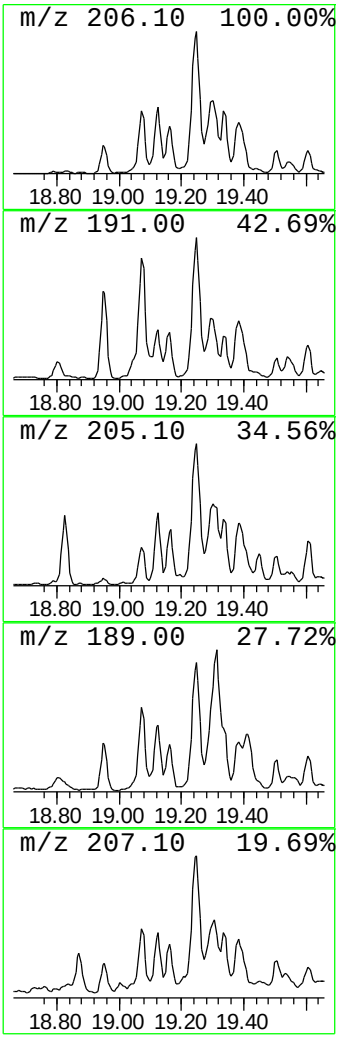
Peak Number 44 Phenanthrene, 1,7-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.16	14.49 ng/ul	705376	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080319\
Data File : BG041942.D
Acq On : 4 Aug 2019 14:24
Operator : HP/JU
Sample : K3850-02DL 10X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENP1DL

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
Naphthalene, 1-me...	12.74	23.3	ng/ul	791498	2	10.86	680157	20.0
Naphthalene, 1-et...	13.73	10.5	ng/ul	599943	3	14.69	1141630	20.0
Naphthalene, 2,6-...	13.86	7.2	ng/ul	412192	3	14.69	1141630	20.0
Naphthalene, 2,3-...	14.25	8.1	ng/ul	460988	3	14.69	1141630	20.0
1-Isopropenylnaph...	15.01	9.5	ng/ul	540670	3	14.69	1141630	20.0
Naphthalene, 2,3,...	15.17	6.2	ng/ul	354817	3	14.69	1141630	20.0
Diphenylmethoxy a...	15.91	10.1	ng/ul	577943	3	14.69	1141630	20.0
Diphenylmethane	16.00	3.5	ng/ul	202252	3	14.69	1141630	20.0
Dibenzofuran, 4-m...	16.19	4.9	ng/ul	237197	4	17.46	973710	20.0
Chamazulene	16.42	6.6	ng/ul	320549	4	17.46	973710	20.0
9H-Fluorene, 1-me...	16.75	20.7	ng/ul	1009790	4	17.46	973710	20.0
1,1'-Biphenyl, 2-...	16.86	4.8	ng/ul	234841	4	17.46	973710	20.0
4,4'-Dimethylbiph...	17.02	9.7	ng/ul	472349	4	17.46	973710	20.0
9H-Fluoren-9-one	17.10	9.3	ng/ul	453927	4	17.46	973710	20.0
Naphtho[2,1-b]thi...	17.27	19.6	ng/ul	955011	4	17.46	973710	20.0
Thieno[2,3-d]pyri...	17.64	7.5	ng/ul	363270	4	17.46	973710	20.0
Anthracene, 9-eth...	17.97	4.4	ng/ul	214491	4	17.46	973710	20.0
Dibenzothiophene,...	18.03	23.3	ng/ul	1132440	4	17.46	973710	20.0
4-Methylnaphtho[1...	18.18	14.7	ng/ul	713205	4	17.46	973710	20.0
9H-Fluoren-9-one,...	18.26	5.1	ng/ul	246542	4	17.46	973710	20.0
Phenanthrene, 1-m...	18.33	71.3	ng/ul	3473270	4	17.46	973710	20.0
Phenanthrene, 2-m...	18.46	31.6	ng/ul	1538710	4	17.46	973710	20.0
4H-Cyclopenta[def...	18.53	97.7	ng/ul	4755320	4	17.46	973710	20.0
3-Ethyldibenzothi...	18.67	3.9	ng/ul	190457	4	17.46	973710	20.0
2,8-Dimethyldiben...	18.73	9.4	ng/ul	456766	4	17.46	973710	20.0
1,2,4,8-Tetrameth...	18.83	28.7	ng/ul	1396170	4	17.46	973710	20.0
9,10-Anthracenedione	18.87	29.5	ng/ul	1434550	4	17.46	973710	20.0
Phenanthrene, 4,5...	18.95	13.7	ng/ul	666004	4	17.46	973710	20.0
Phenanthrene, 3,6...	19.13	11.9	ng/ul	580605	4	17.46	973710	20.0
Phenanthrene, 1,7...	19.16	14.5	ng/ul	705376	4	17.46	973710	20.0