LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060119\
Data File : BN006018.D
Acq On : 02 Jun 2019 06:41
Operator : JU/SJ
Sample : K2928-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42C9

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_N\METHODS\SOM-EPA-BN052819MA.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	10.136	1176	1187	1197	rVV	1767680	3059558	3.84%	0.252%
2	10.512	1243	1251	1257	rBV	2224189	3912174	4.91%	0.323%
3	13.789	1804	1808	1812	rVV	3239170	4637829	5.82%	0.383%
4	14.071	1851	1856	1860	rBV	3536405	5616502	7.05%	0.463%
5	14.383	1898	1909	1915	rBV2	3383848	5927797	7.44%	0.489%
6	14.589	1938	1944	1953	rBV4	1917000	4208592	5.28%	0.347%
7	14.683	1953	1960	1966	rBV2	1303783	2971491	3.73%	0.245%
8	14.783	1967	1977	1984	rBV	2177355	4282945	5.37%	0.353%
9	14.859	1985	1990	1995	rVV	2859706	3882870	4.87%	0.320%
10	15.006	2009	2015	2020	rBV	2788334	4780326	6.00%	0.394%
11	15.177	2036	2044	2047	rBV2	2150874	4375329	5.49%	0.361%
12	15.341	2065	2072	2075	rVV4	1779464	3536500	4.44%	0.292%
13	15.383	2075	2079	2083	rVV	3941019	5903269	7.41%	0.487%
14	15.530	2099	2104	2106	rVV5	1783656	3203893	4.02%	0.264%
15	15.559	2106	2109	2113	rVV2	2773313	4223246	5.30%	0.348%
16	15.647	2120	2124	2131	rVV	2614821	4660714	5.85%	0.385%
17	15.718	2131	2136	2139	rVV4	1737564	3945759	4.95%	0.326%
18	15.753	2140	2142	2147	rVB	2478344	2904876	3.64%	0.240%
19	16.112	2198	2203	2210	rVB3	4511490	7942756	9.96%	0.655%
20	16.247	2222	2226	2230	rVV	2053991	2983037	3.74%	0.246%
21	16.447	2257	2260	2264	rVV2	2728007	4659494	5.85%	0.384%
22	16.494	2264	2268	2274	rVV3	3046660	5737452	7.20%	0.473%
23	16.600	2283	2286	2290	rVB2	2769479	3811881	4.78%	0.315%
24	16.647	2290	2294	2296	rBV2	2061284	3036728	3.81%	0.251%
25	16.712	2302	2305	2309	rVB3	2687439	3691996	4.63%	0.305%
26	16.800	2316	2320	2325	rBV4	1631917	2955918	3.71%	0.244%
27	16.877	2326	2333	2335	rBV4	2528362	5016845	6.29%	0.414%
28	16.959	2343	2347	2356	rBV5	2191806	4835210	6.07%	0.399%
29	17.141	2374	2378	2381	rVV	3093835	4773751	5.99%	0.394%
30	17.188	2381	2386	2391	rVV	14810559	24209434	30.37%	1.998%
31	17.241	2391	2395	2398	rVV	4321258	6871177	8.62%	0.567%
32	17.277	2398	2401	2405	rVB	6487522	8639018	10.84%	0.713%
33	17.330	2405	2410	2416	rBV2	3169932	6985158	8.76%	0.576%
34	17.724	2473	2477	2486	rVB2	5222515	8694595	10.91%	0.717%

LSC Area Percent Report

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Sample : K2928-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42C9

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_N\METHODS\SOM-EPA-BN052819MA.M
Title : SVOA CALIBRATION

35	17.871	2497	2502	2506	rBV	1702147	2849705	3.57%	0.235%
36	18.024	2523	2528	2533	rVV	10131960	18224321	22.86%	1.504%
37	18.077	2533	2537	2543	rVB	14488138	22899608	28.73%	1.890%
38	18.159	2544	2551	2556	rBV	8056648	15183599	19.05%	1.253%
39	18.224	2556	2562	2566	rVV2	17151552	33783444	42.38%	2.788%
40	18.265	2566	2569	2574	rVB	13200787	17674577	22.17%	1.458%
41	18.341	2578	2582	2585	rBV3	3983212	5395488	6.77%	0.445%
42	18.424	2592	2596	2600	rVB2	4396460	6240701	7.83%	0.515%
43	18.529	2609	2614	2619	rBV2	7794068	12890264	16.17%	1.064%
44	18.582	2620	2623	2631	rVB4	5754626	9505540	11.92%	0.784%
45	18.653	2631	2635	2639	rBV	3718215	5285582	6.63%	0.436%
46	18.753	2647	2652	2653	rBV2	4137559	5624777	7.06%	0.464%
47	18.777	2653	2656	2660	rVV	7430936	11856755	14.87%	0.978%
48	18.829	2662	2665	2668	rVV	6646328	9499916	11.92%	0.784%
49	18.871	2668	2672	2676	rVB3	5386798	8106897	10.17%	0.669%
50	18.959	2681	2687	2692	rBV	14872925	31673798	39.73%	2.613%
51	19.112	2706	2713	2719	rBV3	9279871	20738012	26.02%	1.711%
52	19.241	2726	2735	2739	rBV3	23668328	59380669	74.49%	4.900%
53	19.288	2739	2743	2745	rVV2	3992681	5501978	6.90%	0.454%
54	19.324	2745	2749	2755	rVB3	5078127	7894229	9.90%	0.651%
55	19.518	2778	2782	2786	rVB2	3980146	5523790	6.93%	0.456%
56	19.612	2786	2798	2803	rVV5	24486525	79713967	100.00%	6.577%
57	19.665	2803	2807	2813	rVB2	8589500	14979832	18.79%	1.236%
58	19.759	2819	2823	2831	rVB2	3542574	7765603	9.74%	0.641%
59	19.824	2831	2834	2840	rVB3	5232603	8734004	10.96%	0.721%
60	19.924	2844	2851	2860	rBV5	9883660	28004245	35.13%	2.311%
61	20.006	2861	2865	2868	rBV3	3252991	4829101	6.06%	0.398%
62	20.053	2868	2873	2875	rBV3	6982685	11264769	14.13%	0.929%
63	20.094	2877	2880	2884	rVB	11513376	15375944	19.29%	1.269%
64	20.194	2893	2897	2901	rVV	5486239	7566227	9.49%	0.624%
65	20.253	2901	2907	2911	rVV2	10285509	17716960	22.23%	1.462%
66	20.294	2911	2914	2917	rVB	3109250	3526034	4.42%	0.291%
67	20.329	2918	2920	2924	rVB3	2905430	3623145	4.55%	0.299%
68	20.394	2927	2931	2935	rBV2	10161940	14483900	18.17%	1.195%
69	20.441	2935	2939	2942	rVB	8914497	11128014	13.96%	0.918%
70	20.553	2955	2958	2963	rVB2	3073870	4136038	5.19%	0.341%
71	20.753	2990	2992	2996	rVB2	3516527	3662423	4.59%	0.302%

LSC Area Percent Report

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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42C9

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_N\METHODS\SOM-EPA-BN052819MA.M
Title : SVOA CALIBRATION

72	20.847	3004	3008	3014	rVB	9311135	14714167	18.46%	1.214%
73	20.935	3020	3023	3028	rVB	2771239	3525013	4.42%	0.291%
74	21.012	3029	3036	3039	rVV2	9906099	19408193	24.35%	1.601%
75	21.047	3039	3042	3046	rVV	8473404	12692806	15.92%	1.047%
76	21.094	3047	3050	3054	rVV2	5674262	9688250	12.15%	0.799%
77	21.153	3056	3060	3065	rVB	7497307	11899667	14.93%	0.982%
78	21.365	3089	3096	3100	rBV2	20240633	44501024	55.83%	3.672%
79	21.423	3100	3106	3113	rVB	22007362	46958019	58.91%	3.875%
80	21.488	3114	3117	3121	rBV2	3581426	5419943	6.80%	0.447%
81	21.529	3121	3124	3130	rVB3	4835763	6013853	7.54%	0.496%
82	21.594	3131	3135	3141	rBV8	2833903	7421414	9.31%	0.612%
83	21.694	3147	3152	3156	rBV4	3249923	6044339	7.58%	0.499%
84	21.735	3156	3159	3164	rVV4	3573042	5339902	6.70%	0.441%
85	21.829	3171	3175	3178	rBV2	3170866	4219125	5.29%	0.348%
86	21.870	3179	3182	3186	rBV	3374567	5371720	6.74%	0.443%
87	21.935	3186	3193	3198	rVV	11137704	22598046	28.35%	1.865%
88	21.988	3199	3202	3207	rVB	6843035	8722862	10.94%	0.720%
89	22.047	3209	3212	3216	rVB2	4020502	5940992	7.45%	0.490%
90	22.135	3223	3227	3232	rBV2	6406990	10983260	13.78%	0.906%
91	22.229	3239	3243	3249	rVB2	5341155	8544359	10.72%	0.705%
92	22.447	3274	3280	3285	rBV3	3274885	8682837	10.89%	0.716%
93	22.723	3322	3327	3332	rBV2	3773238	6789218	8.52%	0.560%
94	23.006	3366	3375	3385	rVB2	16161222	59190265	74.25%	4.884%
95	23.159	3397	3401	3406	rVB	4184327	6607169	8.29%	0.545%
96	23.488	3449	3457	3462	rBV	10813259	25407864	31.87%	2.096%
97	23.594	3467	3475	3482	rVB	15649696	37587926	47.15%	3.101%
98	23.729	3493	3498	3505	rVB3	6044697	13842457	17.37%	1.142%
99	26.023	3876	3888	3896	rVB3	9020898	33763932	42.36%	2.786%
100	26.747	3999	4011	4024	rVB2	6853735	26932688	33.79%	2.222%

Sum of corrected areas: 1211933286

LSC Report - Integrated Chromatogram

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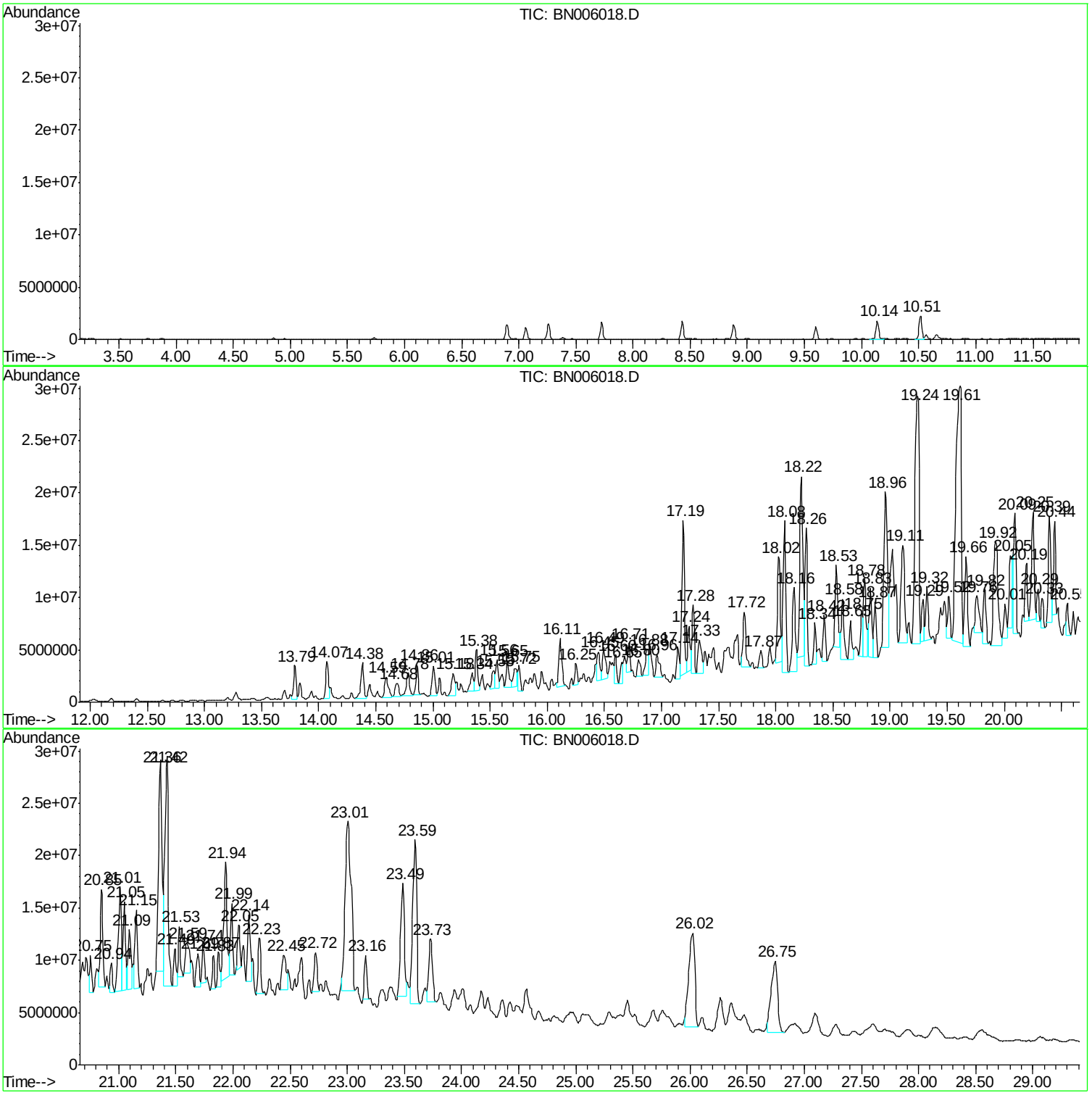
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42C9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.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 N\DATA\BN060119\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION

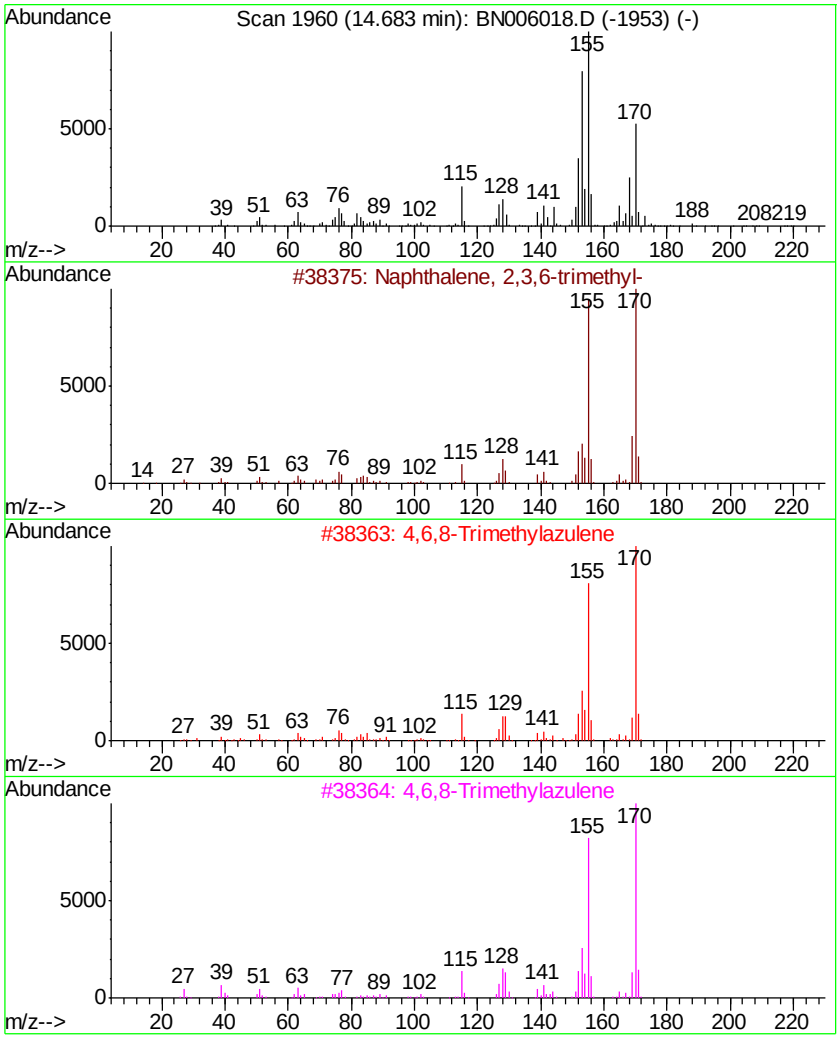
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

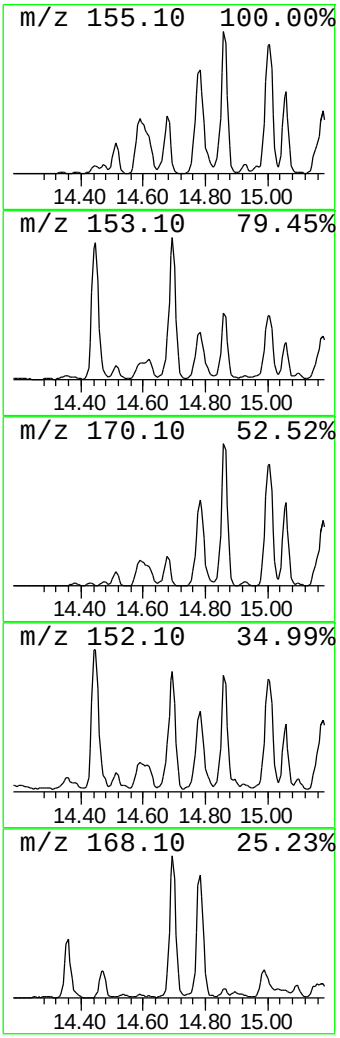
****

Peak Number 1 Naphthalene, 2,3,6-trimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	10.03 ng/ul	2971490	Acenaphthene-d10	14.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	60
2	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	53
3	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	53
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	50
5	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	46





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ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42C9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION

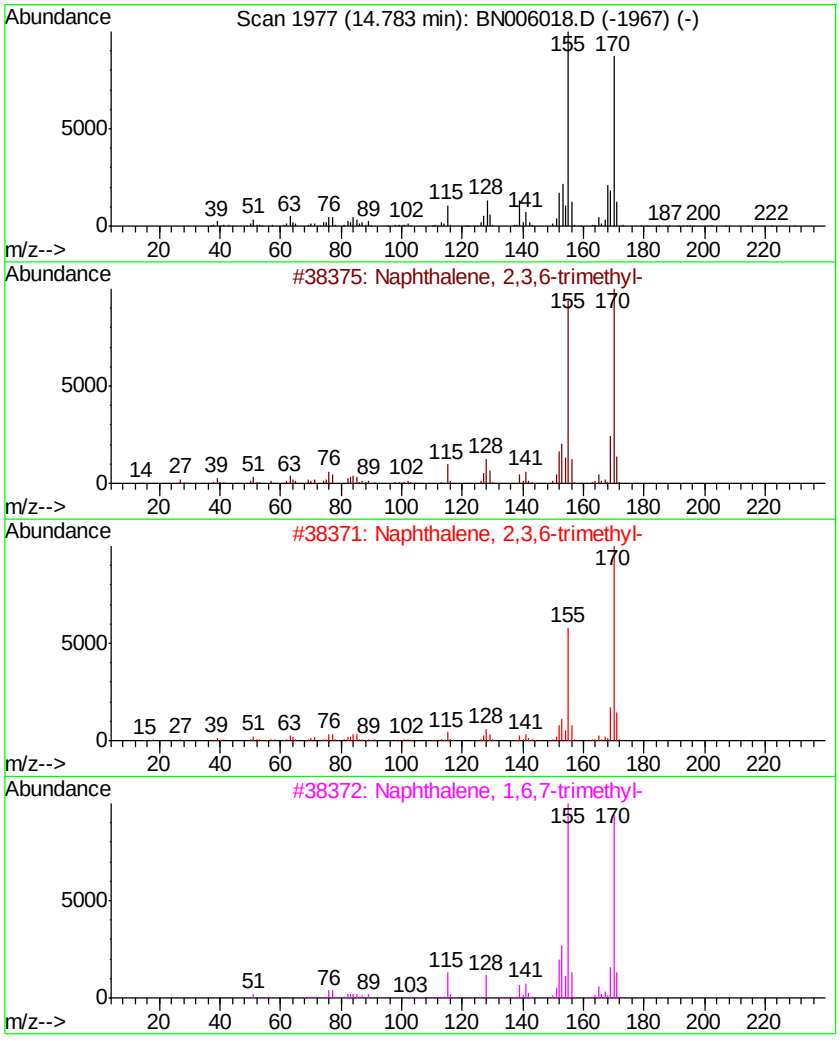
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

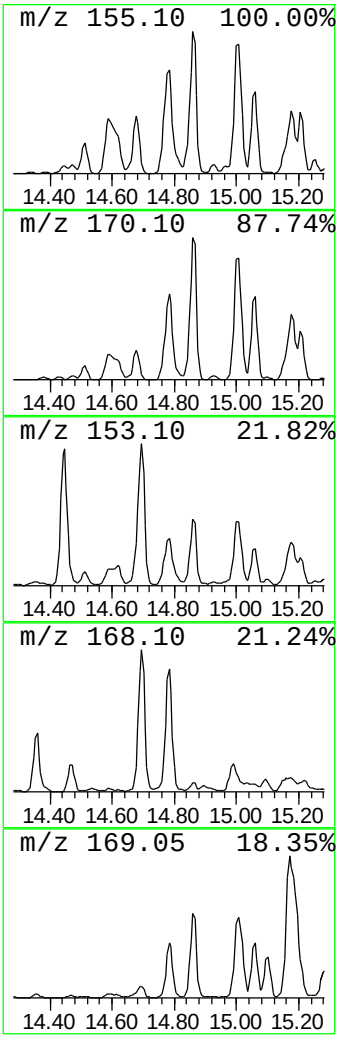
****

Peak Number 2 Naphthalene, 1,6,7-trimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.78	14.45 ng/ul	4282950	Acenaphthene-d10	14.38

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





Library Search Compound Report

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Instrument : BNA_N
ClientSampleId : A42C9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION

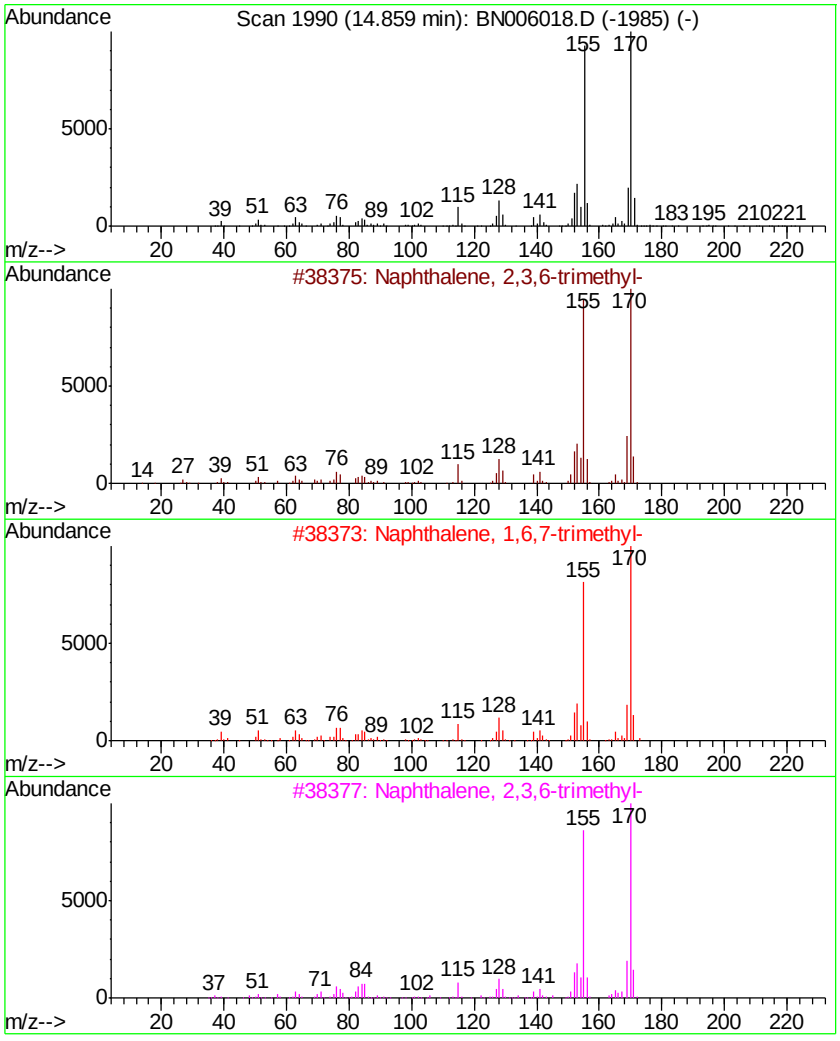
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

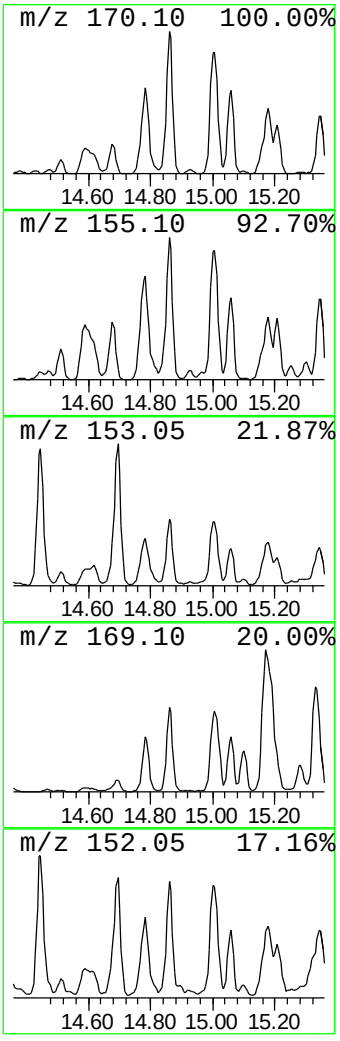
****

Peak Number 3 Naphthalene, 1,4,6-trimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	13.10 ng/ul	3882870	Acenaphthene-d10	14.38

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, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96





Library Search Compound Report

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Data File : BN006018.D
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ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42C9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION

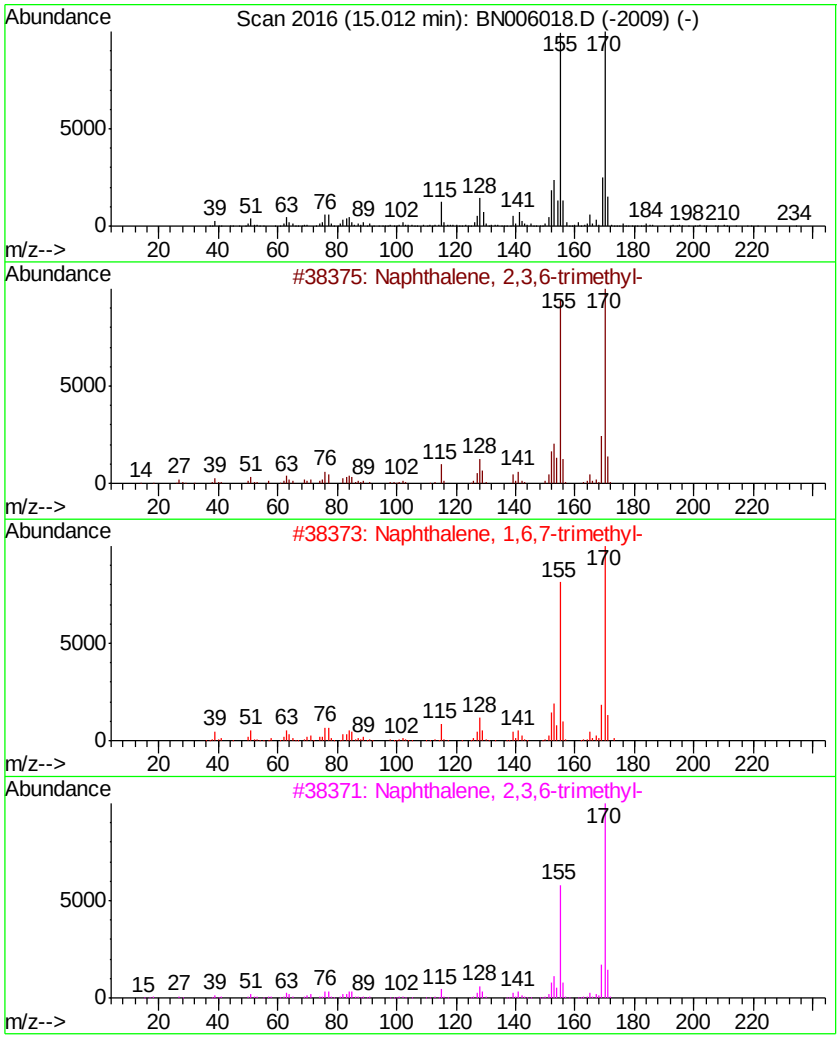
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

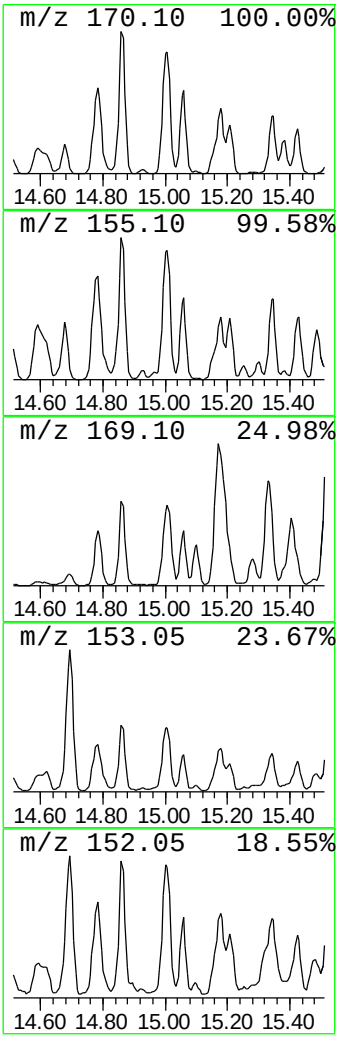
****

Peak Number 4 unknown-01 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.01	16.13 ng/ul	4780330	Acenaphthene-d10	14.38

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, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97





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Sample : K2928-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42C9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION

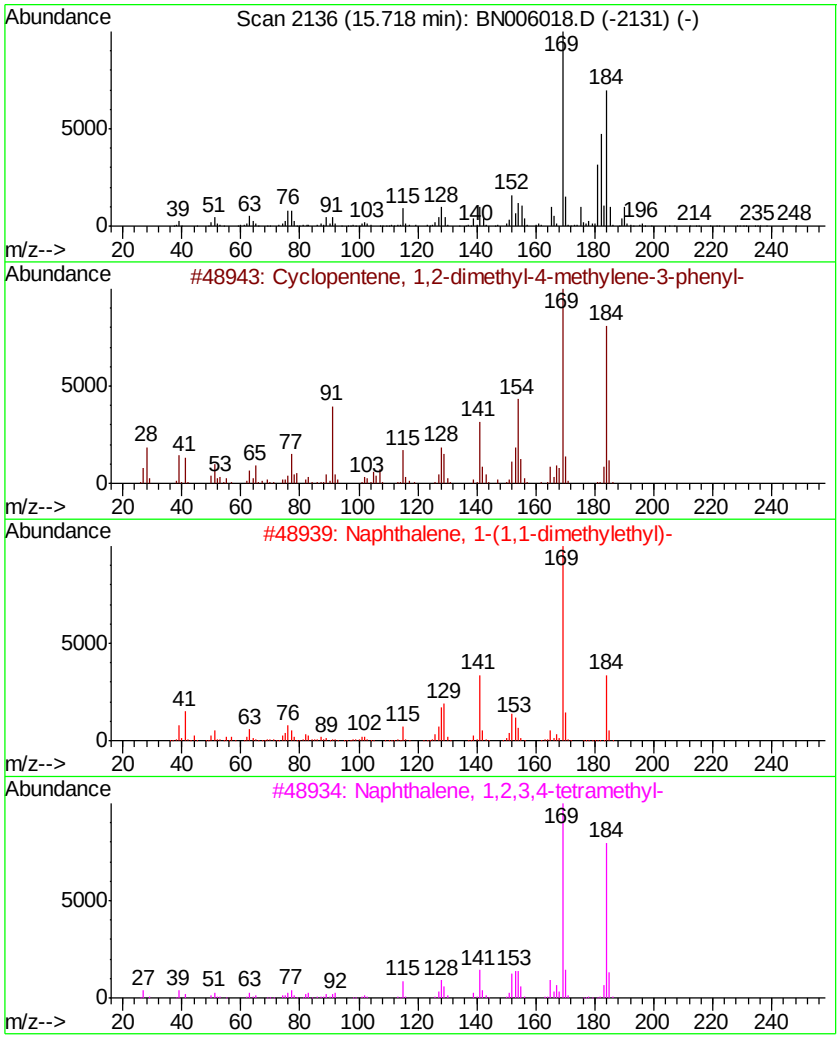
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

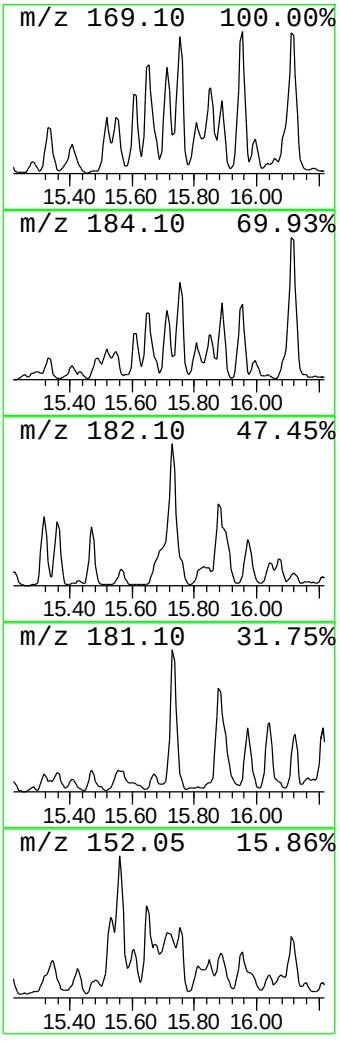
****

Peak Number 6 Cyclopentene, 1,2-dimethyl-... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	13.31 ng/ul	3945760	Acenaphthene-d10	14.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,2-dimethyl-4-met...	184	C14H16	1000152-22-4	64
2	Naphthalene, 1-(1,1-dimethylethyl)-	184	C14H16	017085-91-5	60
3	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	60
4	Phenol, 3,4,5-trimethoxy-	184	C9H12O4	000642-71-7	49
5	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	49





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Sample : K2928-15
Misc :
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Quant Title : SVOA CALIBRATION

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

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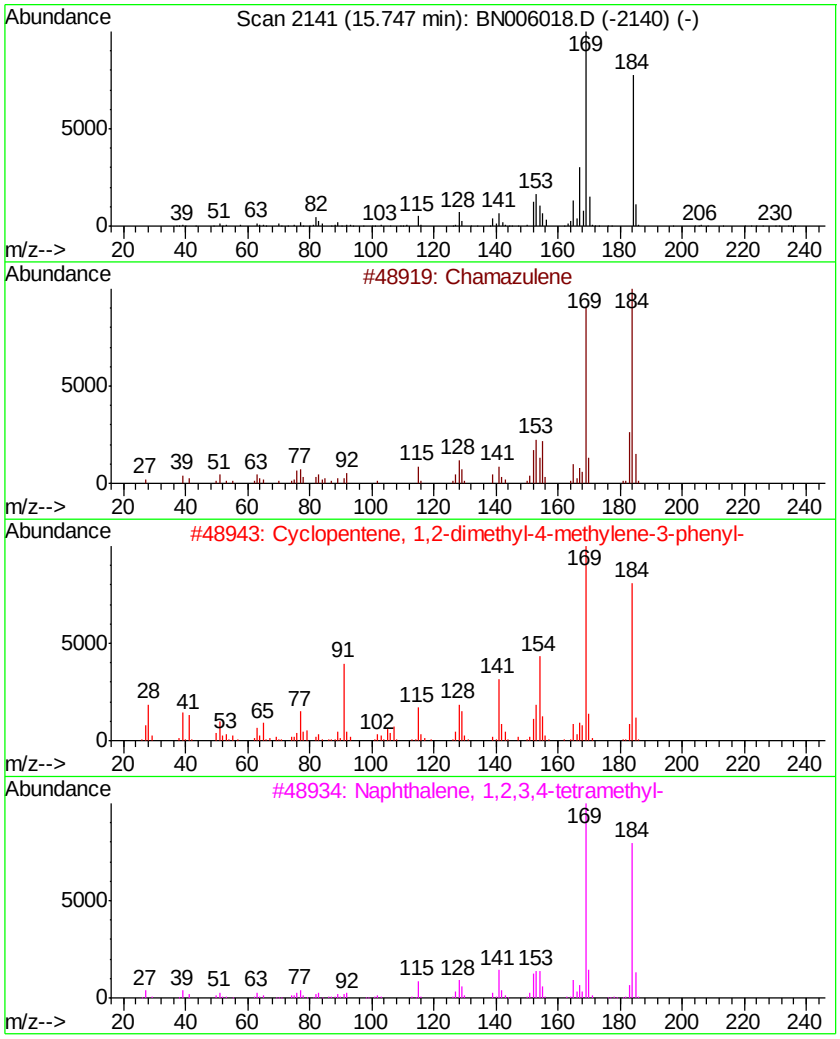
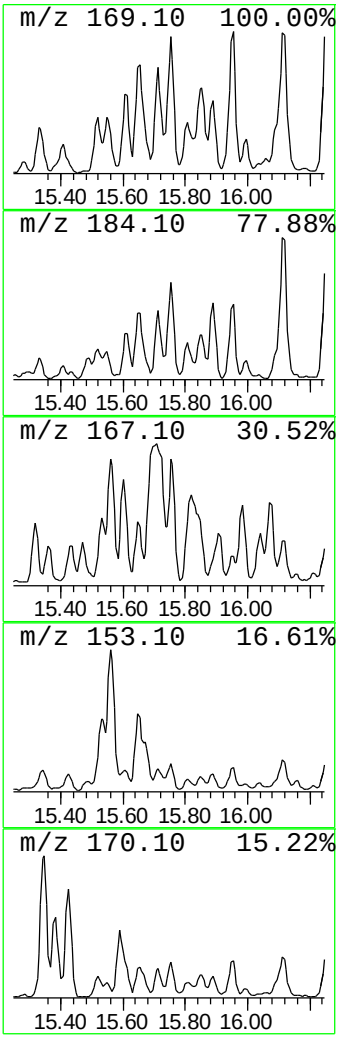
Peak Number 7 Chamazulene Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.75	9.80 ng/ul	2904880	Acenaphthene-d10	14.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chamazulene	184	C14H16	000529-05-5	91
2	Cyclopentene, 1,2-dimethyl-4-met...	184	C14H16	1000152-22-4	81
3	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	74
4	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	68
5	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	68





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ClientSampleId : A42C9

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Quant Title : SVOA CALIBRATION

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

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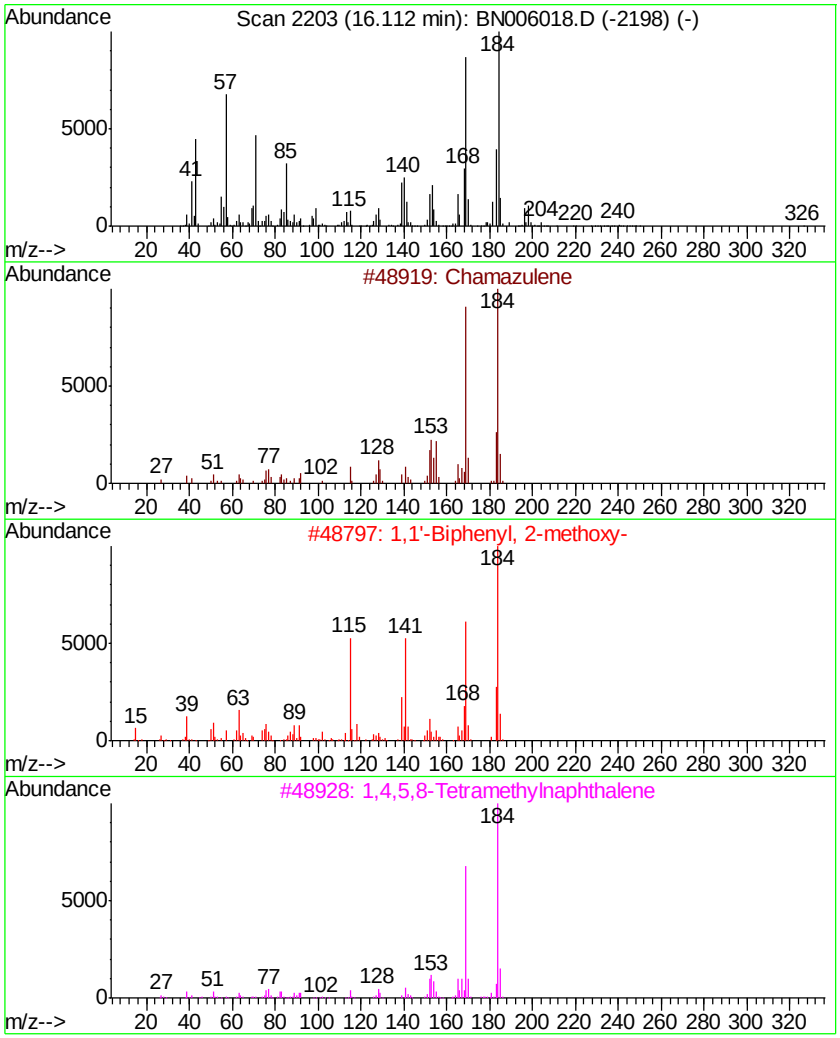
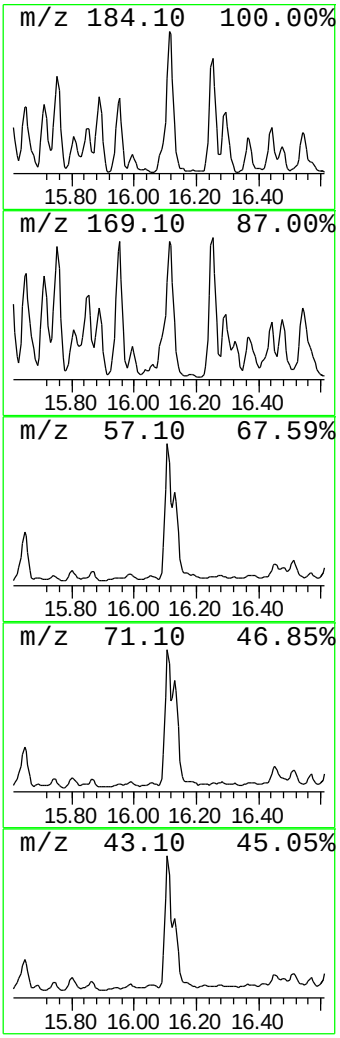
Peak Number 8 1,1'-Biphenyl, 2-methoxy- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.11	33.28 ng/ul	7942760	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chamazulene	184	C14H16	000529-05-5	86
2	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	74
3	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	64
4	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	60
5	3,4-Dimethoxy-6-methylpyrocatechol	184	C9H12O4	054826-79-8	55





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ClientSampleId : A42C9

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Quant Title : SVOA CALIBRATION

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

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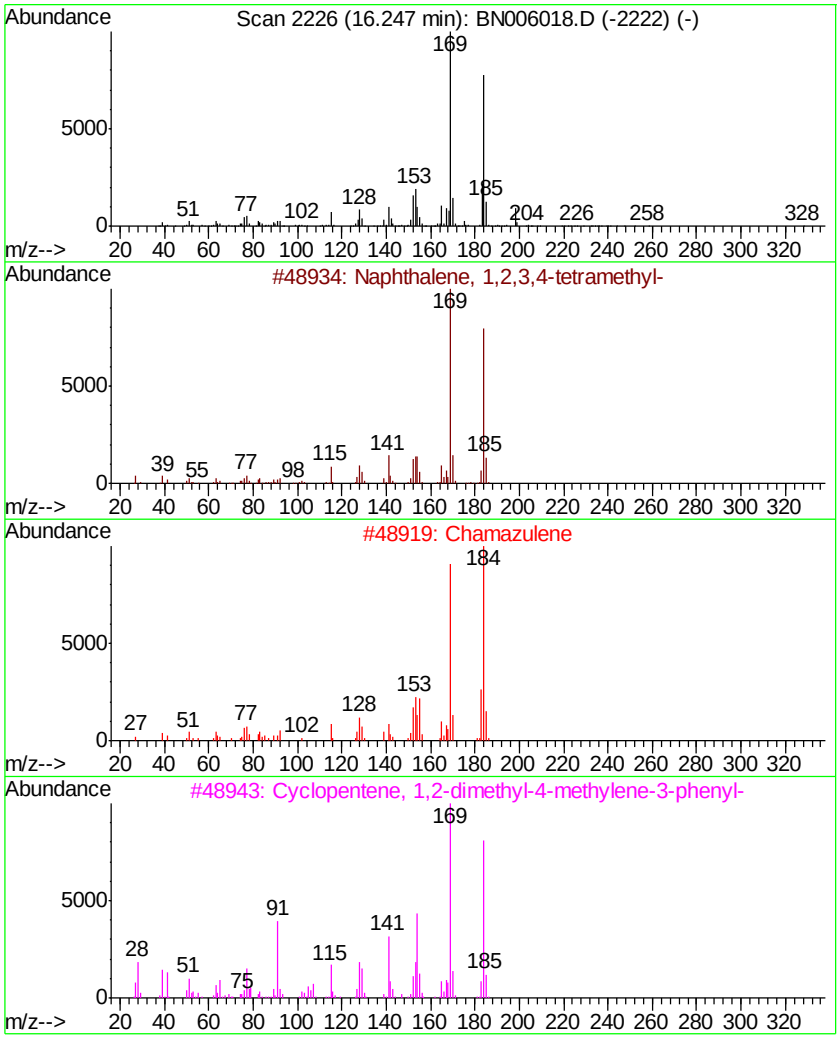
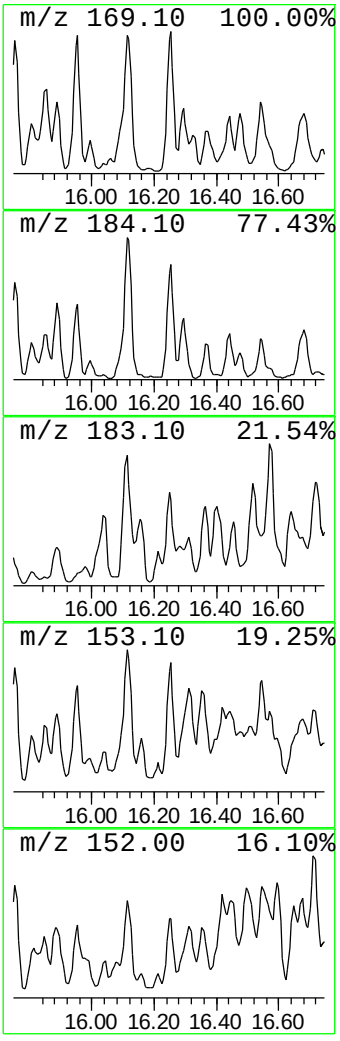
Peak Number 9 Naphthalene, 1,2,3,4-tetram... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.25	12.50 ng/ul	2983040	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	94
2	Chamazulene	184	C14H16	000529-05-5	93
3	Cyclopentene, 1,2-dimethyl-4-met...	184	C14H16	1000152-22-4	83
4	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	81
5	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	81





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ClientSampleId : A42C9

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Quant Title : SVOA CALIBRATION

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

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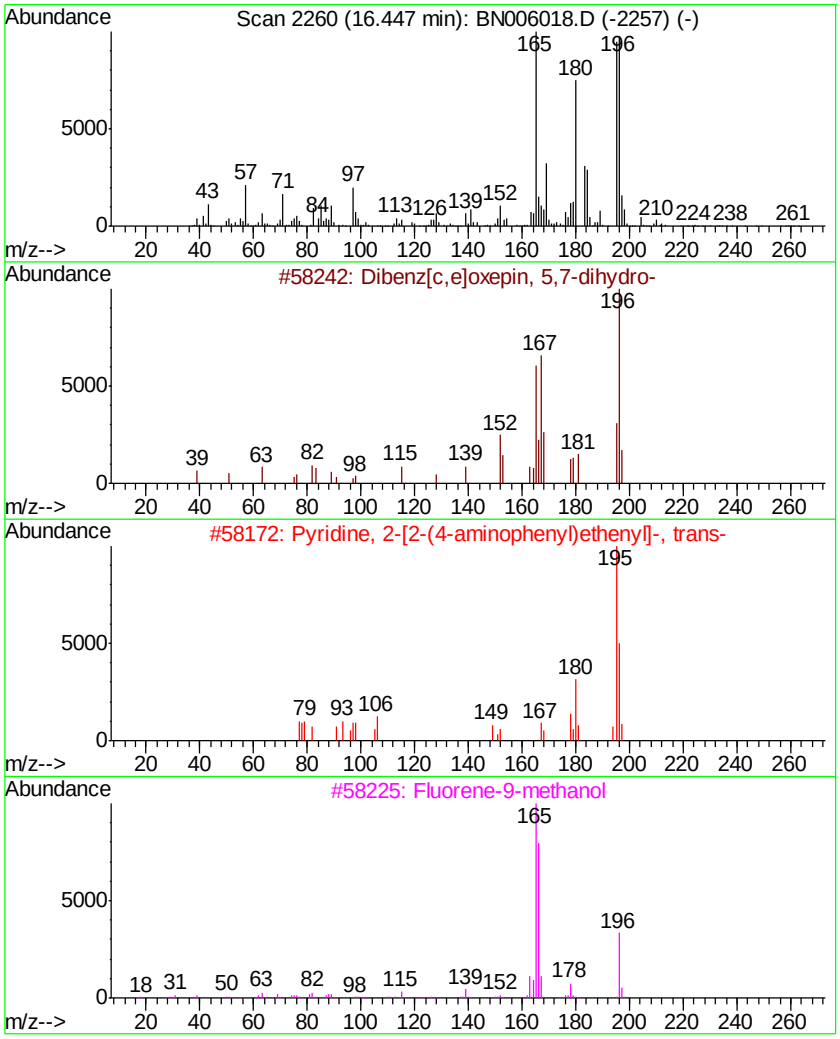
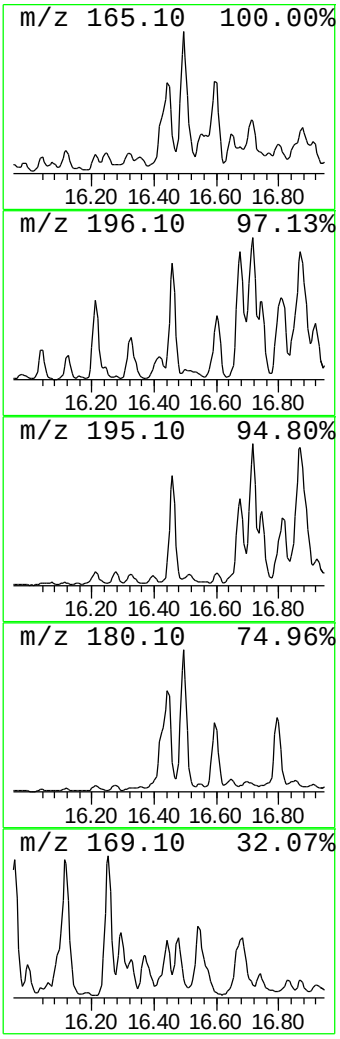
Peak Number 10 unknown-02 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.45	19.52 ng/ul	4659490	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	38
2	Pyridine, 2-[2-(4-aminophenyl)et...	196	C13H12N2	001694-46-8	38
3	Fluorene-9-methanol	196	C14H12O	024324-17-2	38
4	Methanone, diphenyl-, hydrazone	196	C13H12N2	005350-57-2	30
5	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	30





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Quant Title : SVOA CALIBRATION

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

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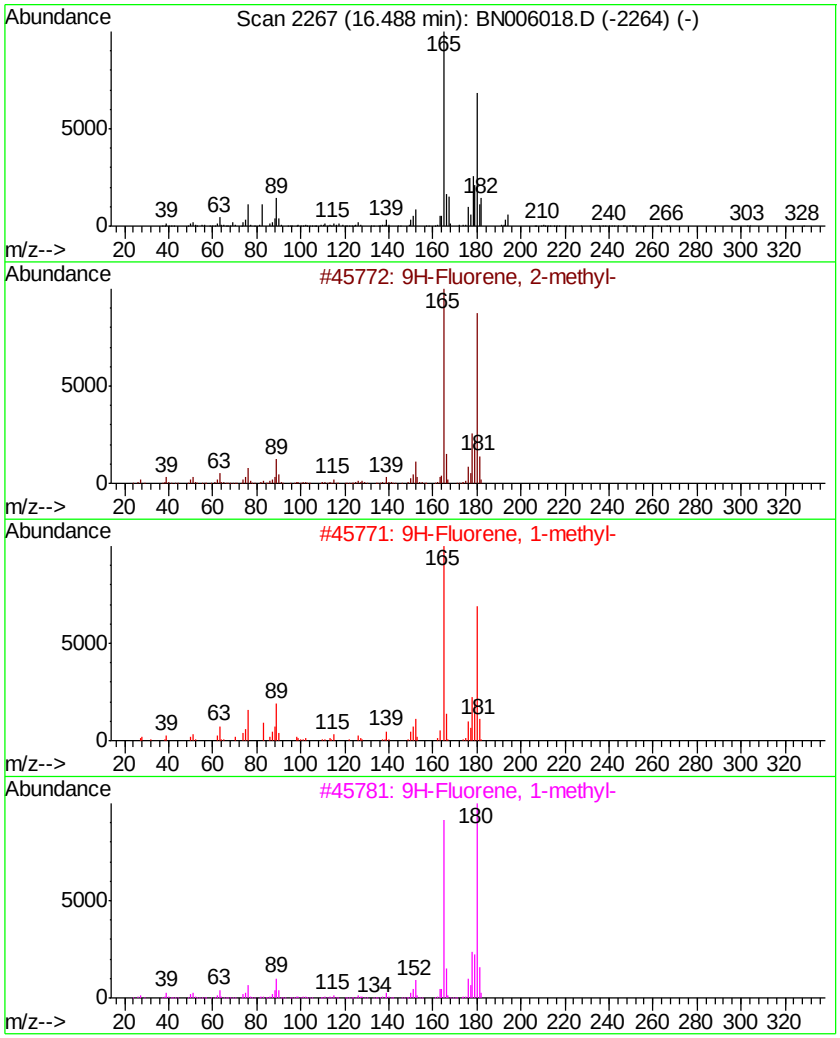
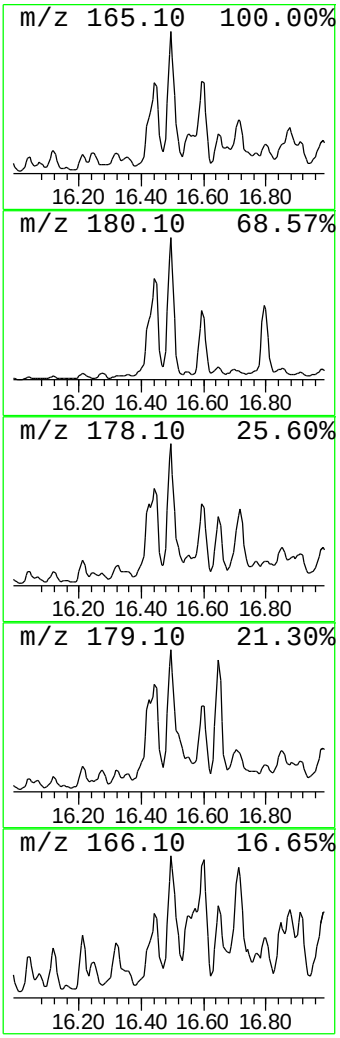
Peak Number 11 9H-Fluorene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	24.04 ng/ul	5737450	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	86
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	83
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	70
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	70





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Sample : K2928-15
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Quant Title : SVOA CALIBRATION

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

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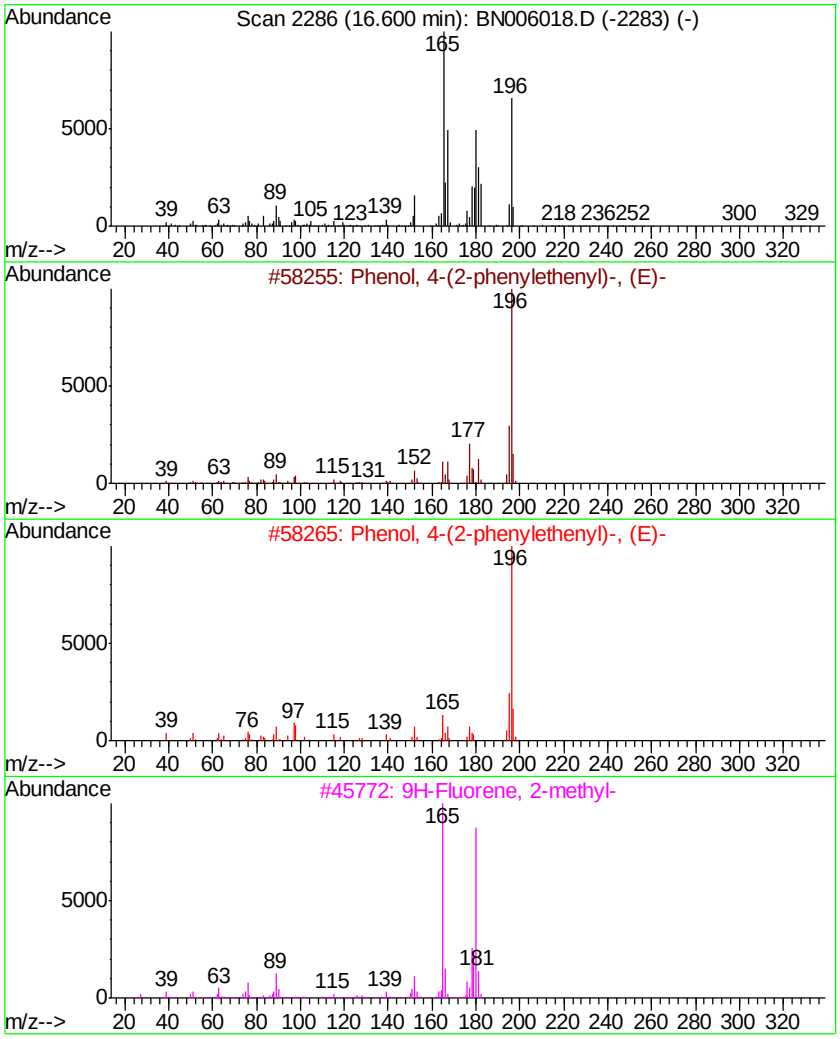
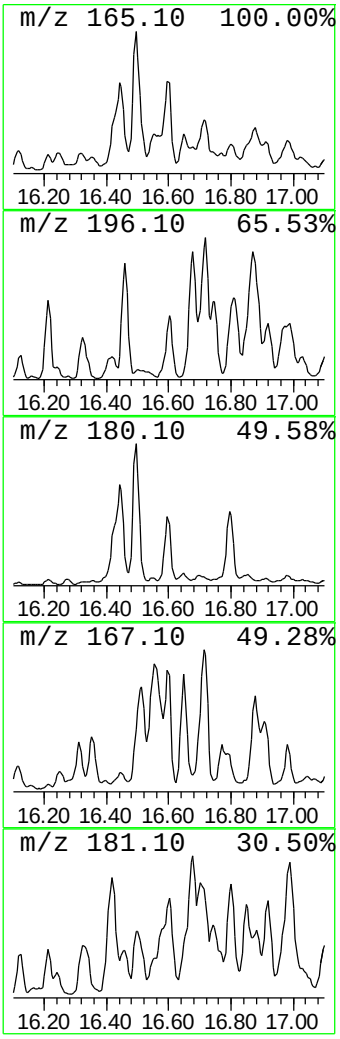
Peak Number 12 Phenol, 4-(2-phenylethenyl)... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.60	15.97 ng/ul	3811880	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	58
2	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	58
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	50
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	45
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	43





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Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

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

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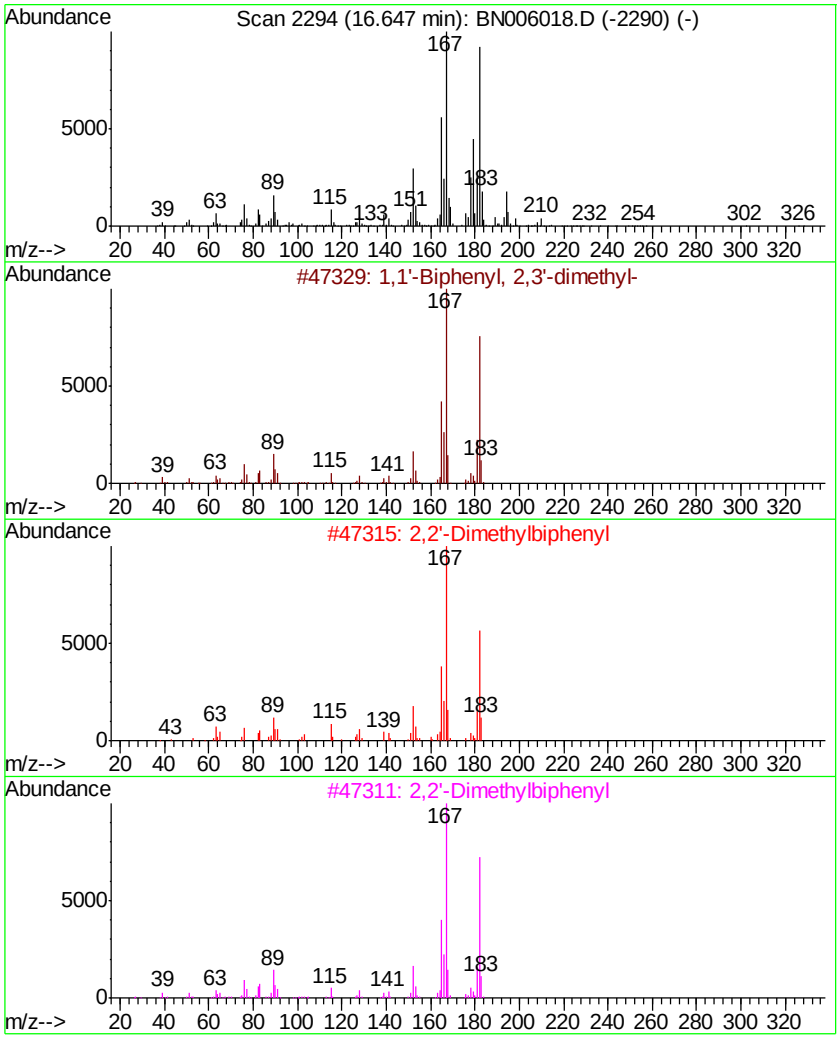
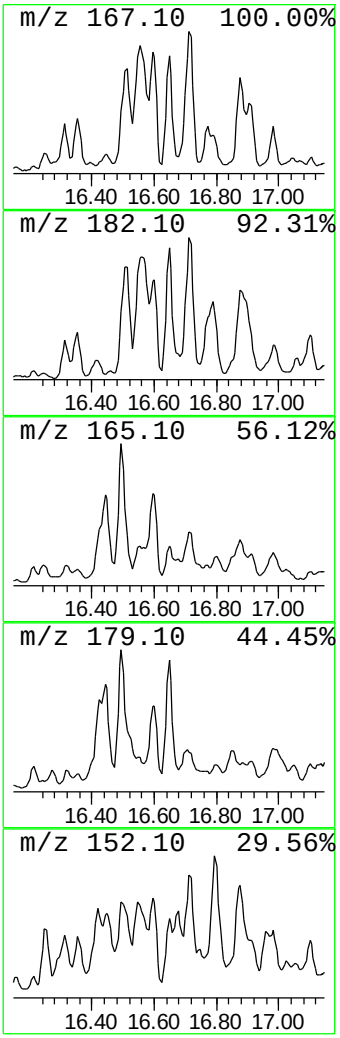
Peak Number 13 1,1'-Biphenyl, 2,3'-dimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.65	12.72 ng/ul	3036730	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	96
2	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	96
3	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	94
4	2-Propanone, 1,1-diphenyl-	210	C15H14O	000781-35-1	86
5	1,1'-Biphenyl, 2,4'-dimethyl-	182	C14H14	000611-61-0	86





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Misc :
ALS Vial : 19 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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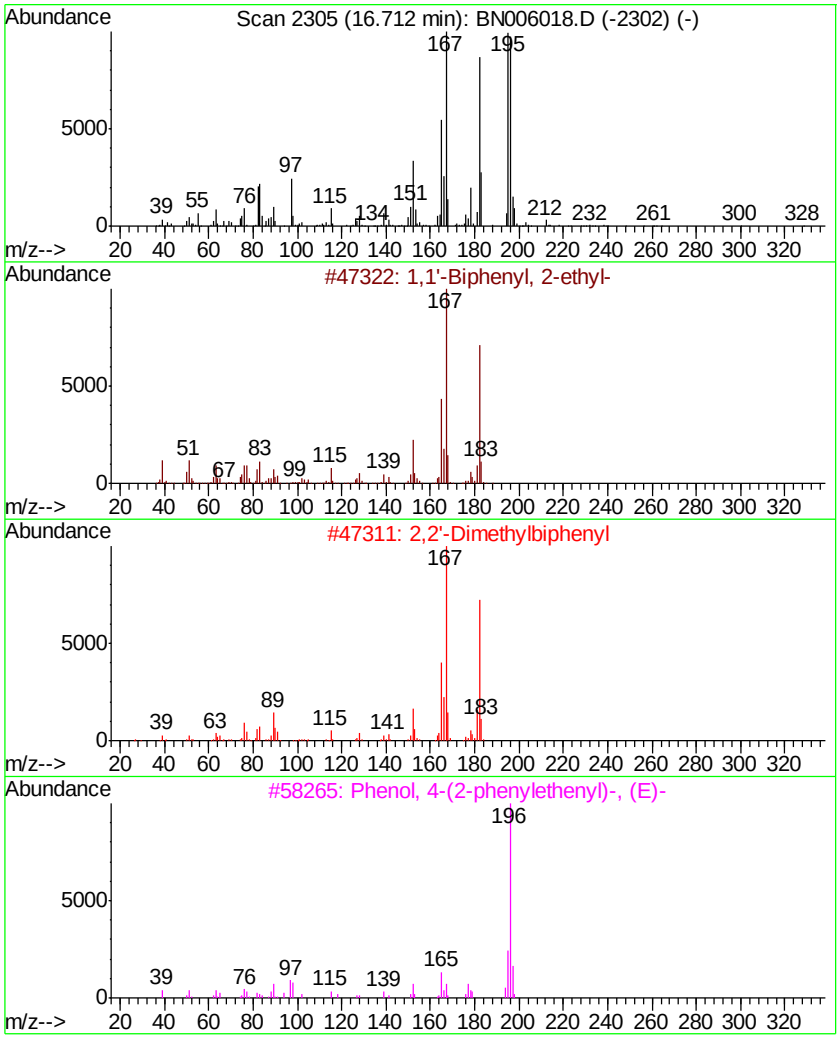
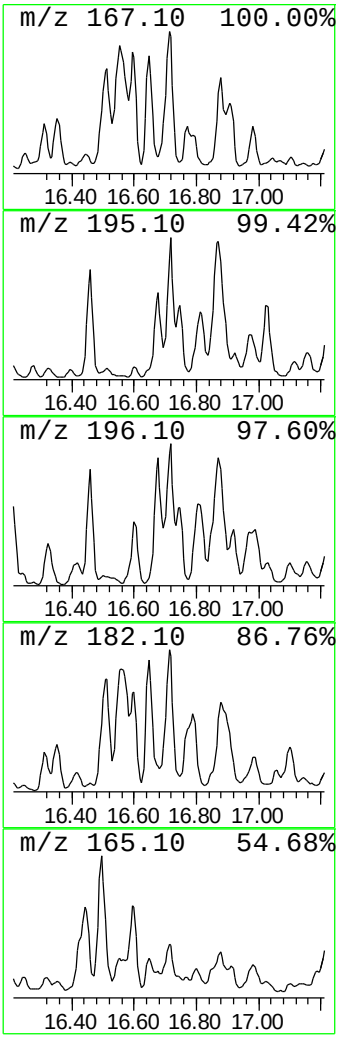
Peak Number 14 1,1'-Biphenyl, 2-ethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.71	15.47 ng/ul	3692000	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	55
2	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	50
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	50
4	1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	50
5	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	49





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Quant Title : SVOA CALIBRATION

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

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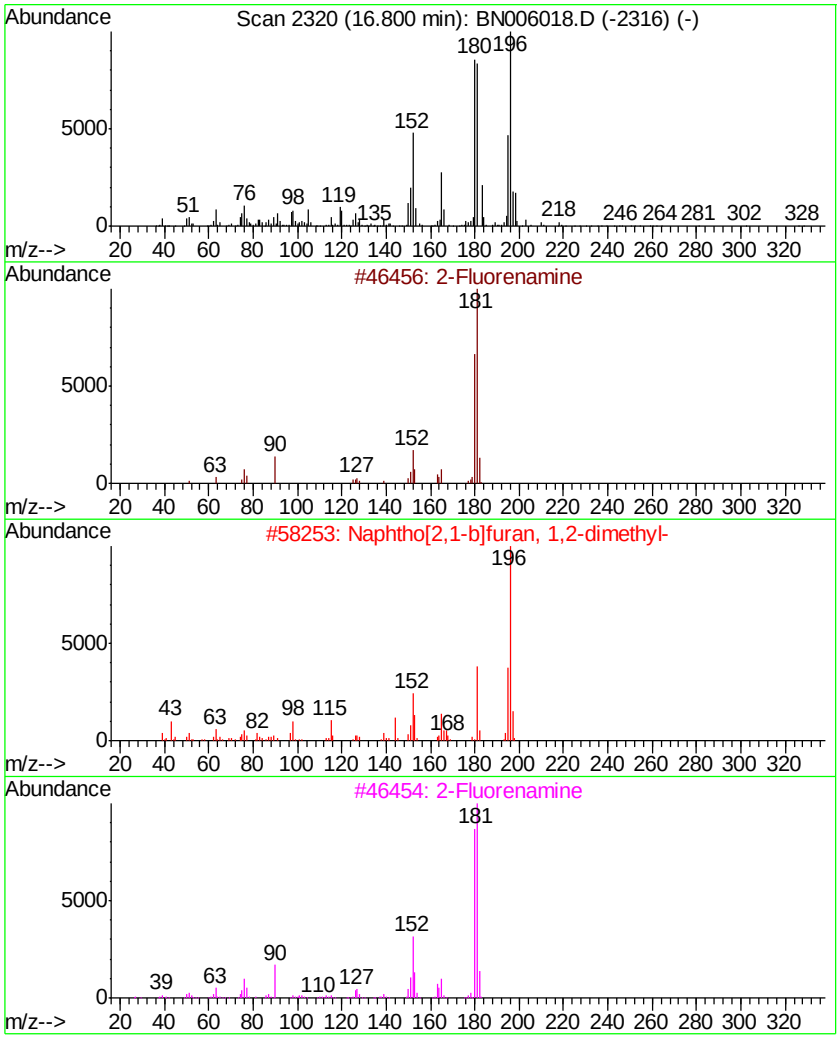
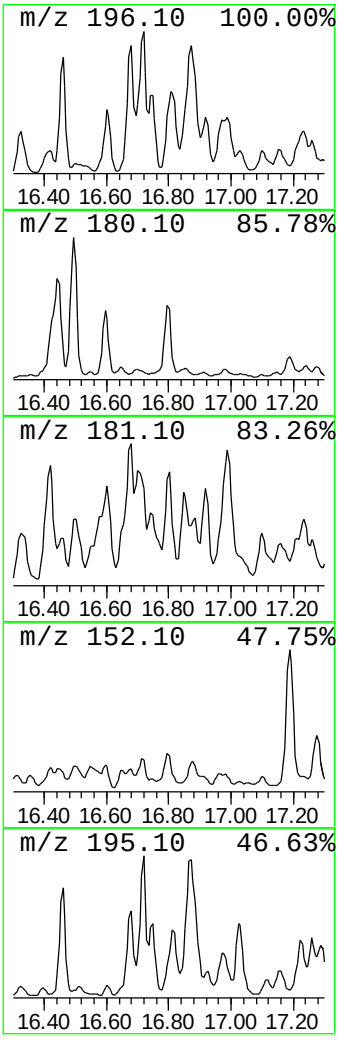
Peak Number 15 2-Fluorenamine Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	12.38 ng/ul	2955920	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Fluorenamine	181	C13H11N	000153-78-6	55
2	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	53
3	2-Fluorenamine	181	C13H11N	000153-78-6	46
4	Nicotinamide, 2,6-dimethoxy-4-me...	196	C9H12N2O3	1000310-28-4	43
5	Silane, (4-methoxyphenoxy)trimet...	196	C10H16O2Si	006689-38-9	38





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Quant Title : SVOA CALIBRATION

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

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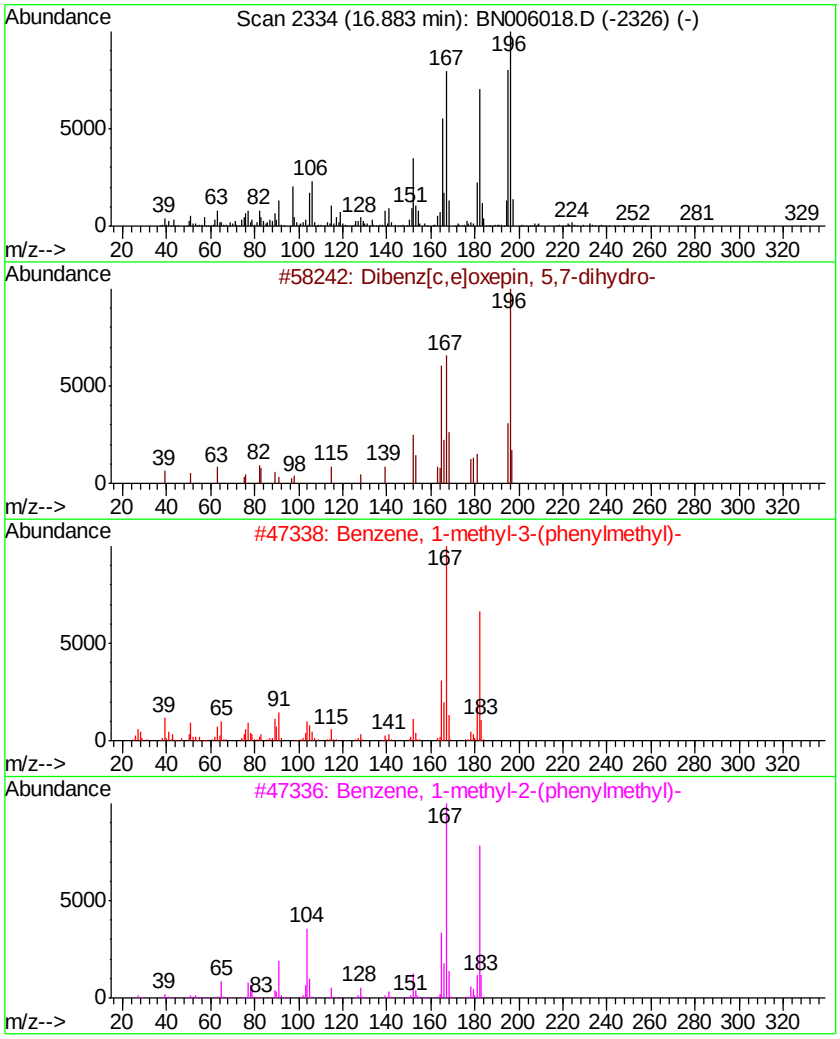
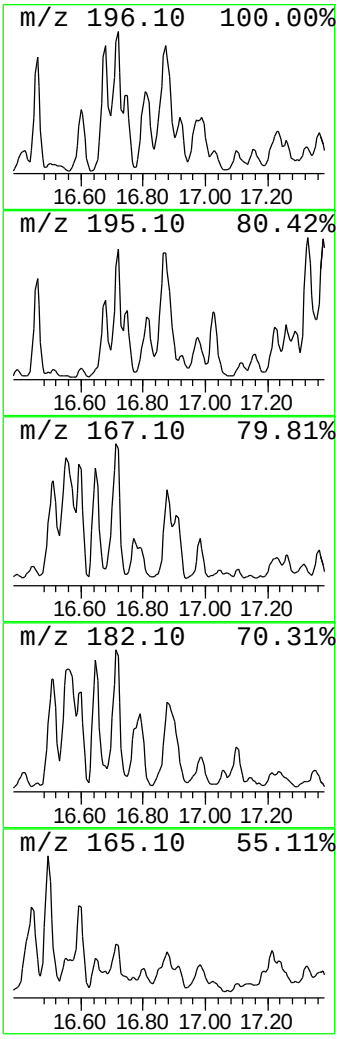
Peak Number 16 Dibenz[c,e]oxepin, 5,7-dihy... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.88	21.02 ng/ul	5016850	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	60
2	Benzene, 1-methyl-3-(phenylmethyl)-	182	C14H14	000620-47-3	38
3	Benzene, 1-methyl-2-(phenylmethyl)-	182	C14H14	000713-36-0	38
4	1,1'-Biphenyl, 2,4'-dimethyl-	182	C14H14	000611-61-0	38
5	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	30





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Quant Title : SVOA CALIBRATION

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

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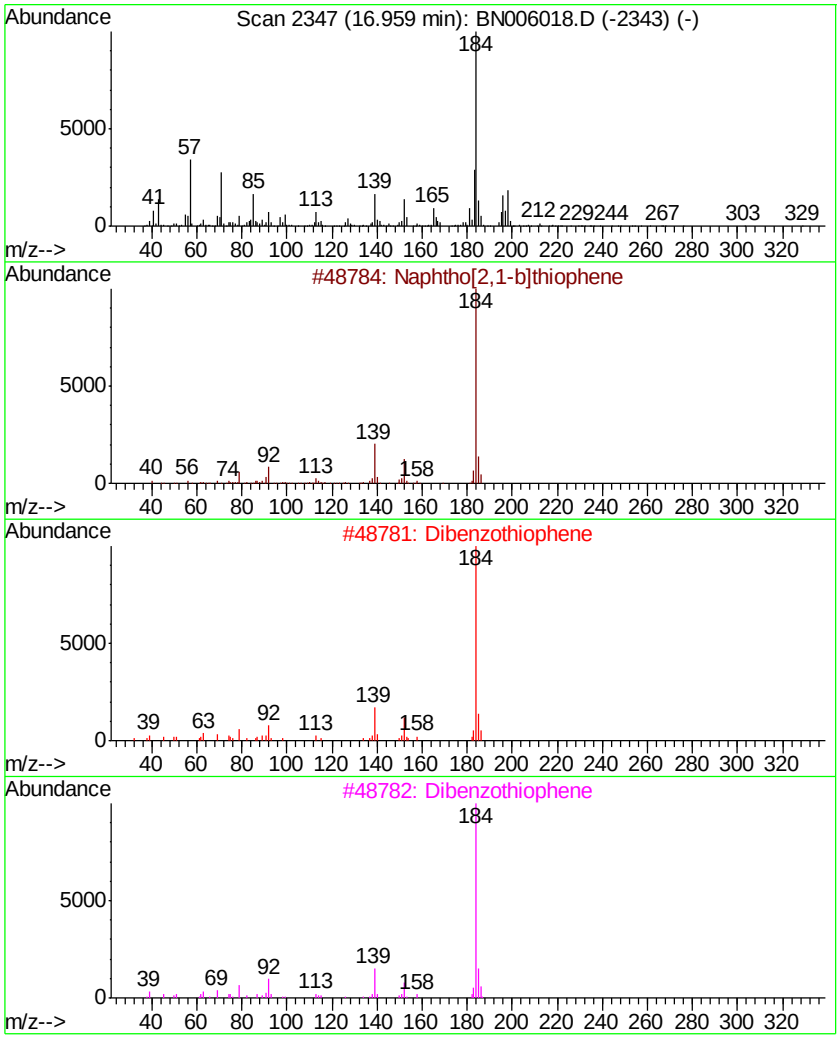
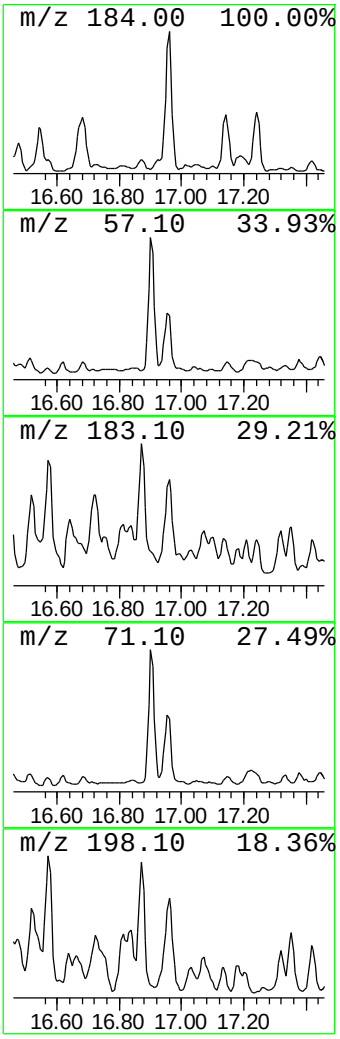
Peak Number 17 Naphtho[2,1-b]thiophene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.96	20.26 ng/ul	4835210	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	92
2	Dibenzothiophene	184	C12H8S	000132-65-0	92
3	Dibenzothiophene	184	C12H8S	000132-65-0	91
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	91
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	83





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Sample : K2928-15
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Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

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

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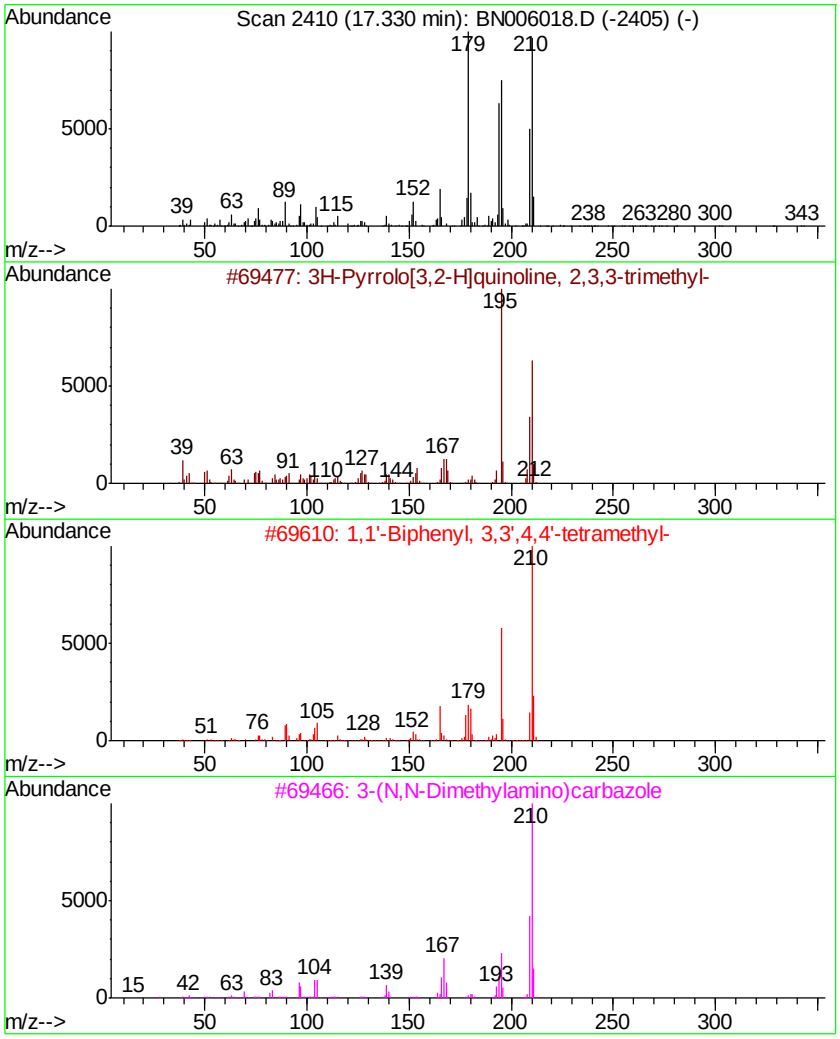
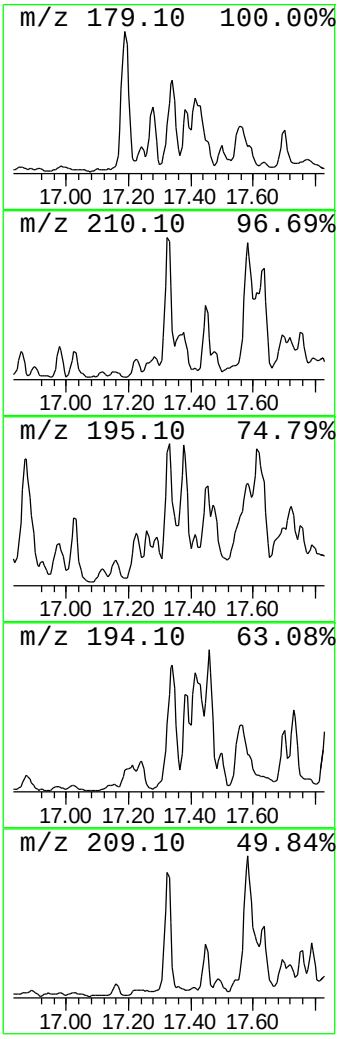
Peak Number 18 3H-Pyrrolo[3,2-H]quinoline,... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.33	29.26 ng/ul	6985160	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3H-Pyrrolo[3,2-H]quinoline, 2,3,...	210	C14H14N2	083958-38-7	60
2	1,1'-Biphenyl, 3,3',4,4'-tetrame...	210	C16H18	004920-95-0	55
3	3-(N,N-Dimethylamino)carbazole	210	C14H14N2	001140-50-7	46
4	Anthracene, 1,2,3,4-tetrahydro-9...	210	C16H18	094573-50-9	46
5	3,5,3',5'-Tetramethylbiphenyl	210	C16H18	025570-02-9	42





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Quant Title : SVOA CALIBRATION

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

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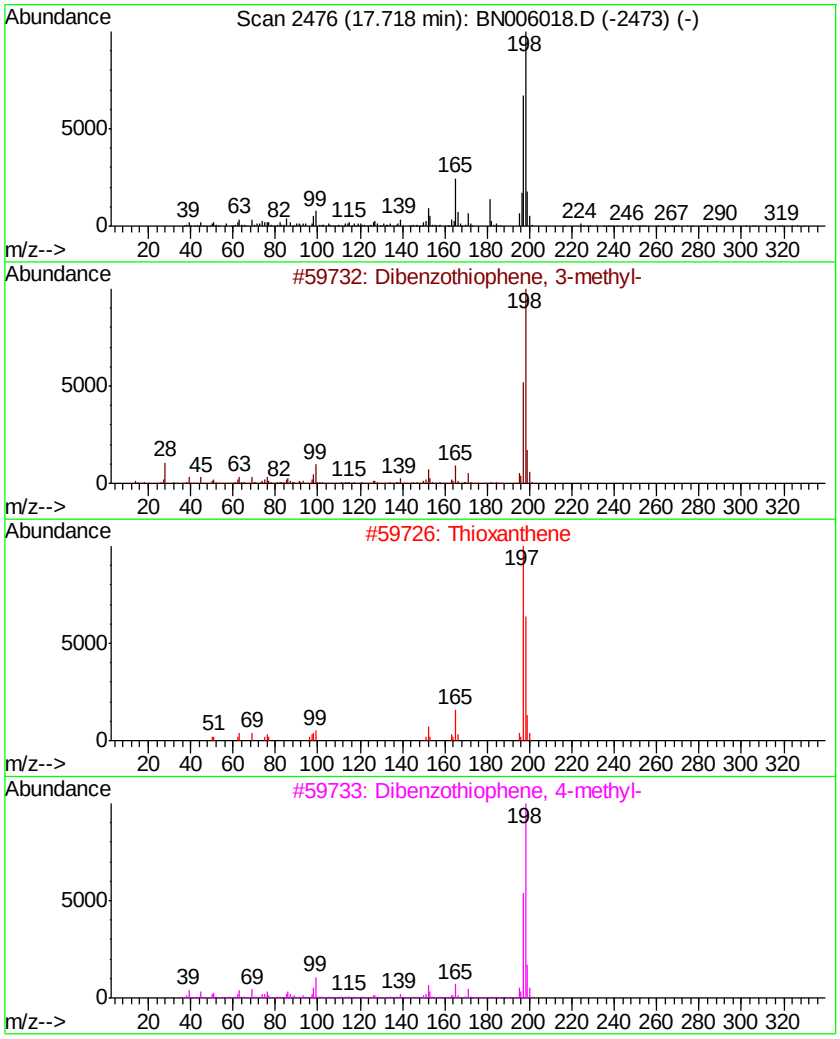
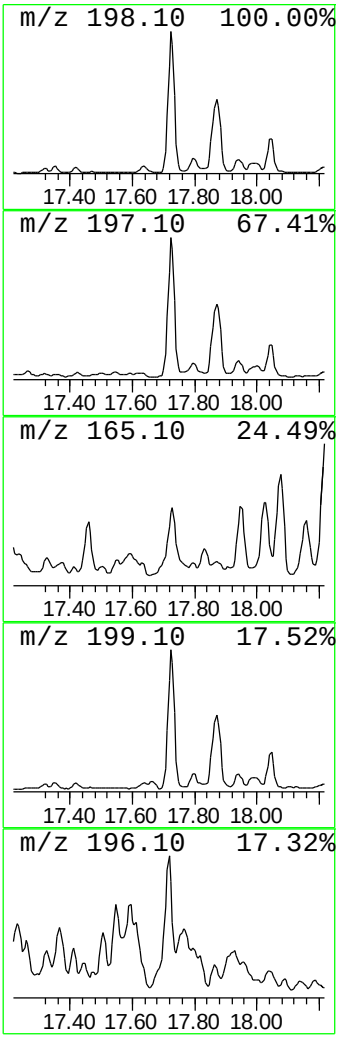
Peak Number 19 Dibenzothiophene, 3-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.72	36.43 ng/ul	8694600	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	87
2	Thioxanthene	198	C13H10S	000261-31-4	83
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	81
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64





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Quant Title : SVOA CALIBRATION

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

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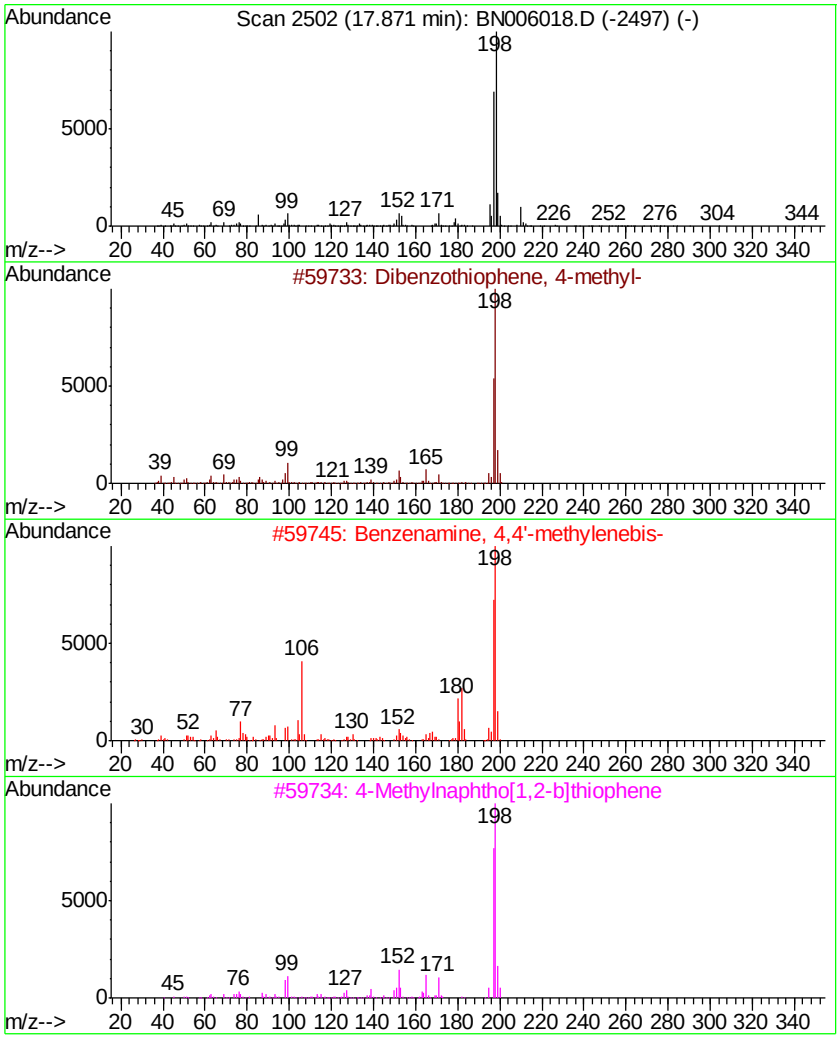
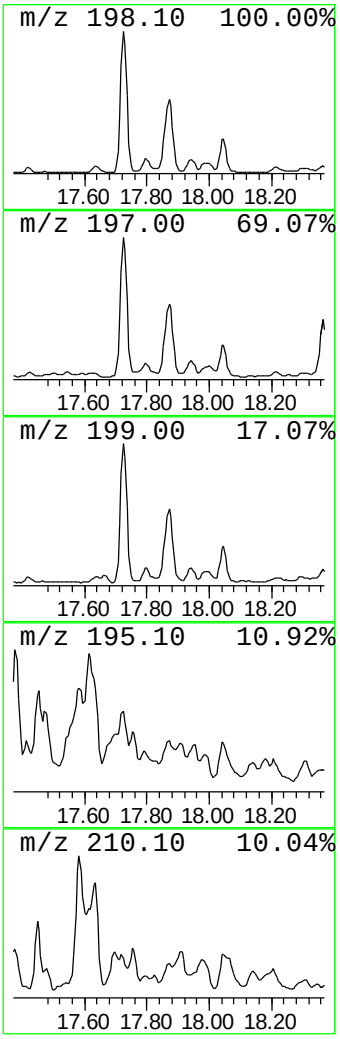
Peak Number 20 Dibenzothiophene, 4-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	11.94 ng/ul	2849710	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	90
2	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	83
3	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	81
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	76
5	Tacrine	198	C13H14N2	000321-64-2	72





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Quant Title : SVOA CALIBRATION

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

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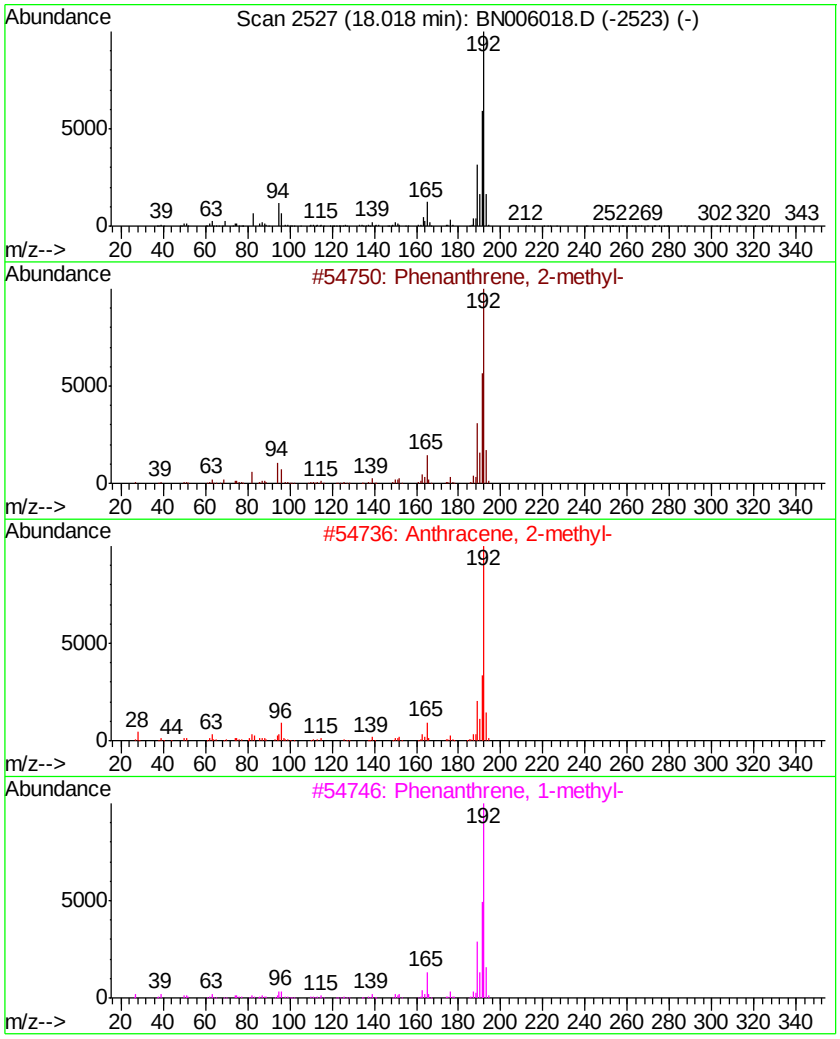
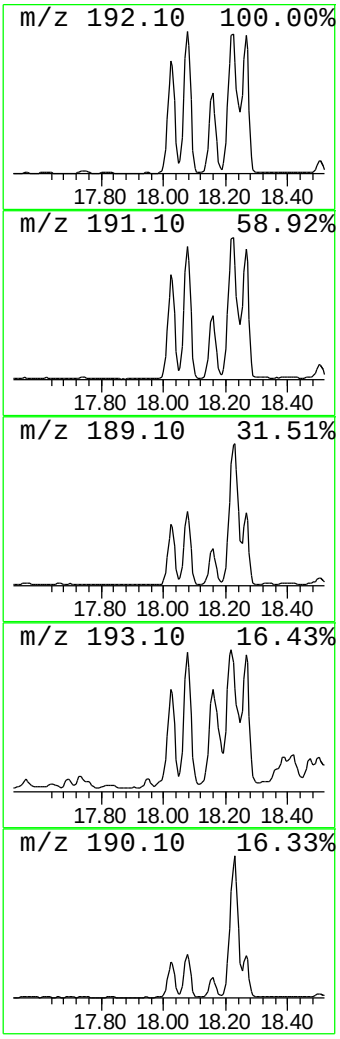
Peak Number 21 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	76.35 ng/ul	18224300	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Quant Title : SVOA CALIBRATION

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

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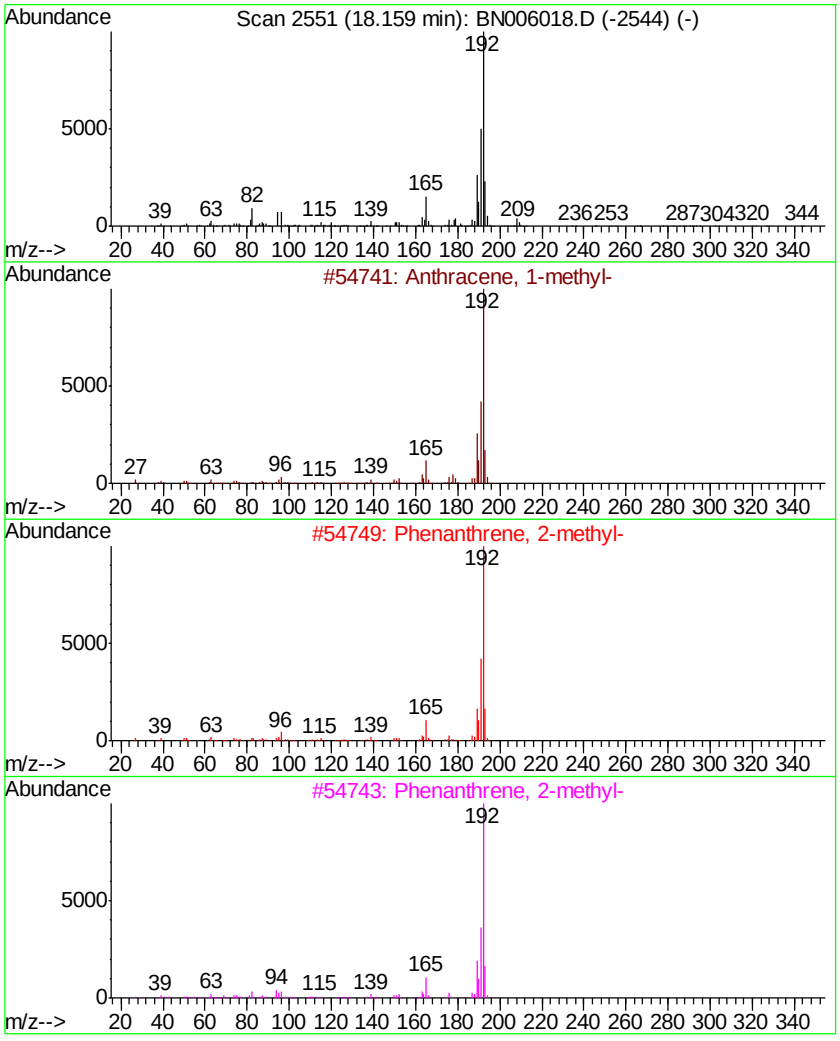
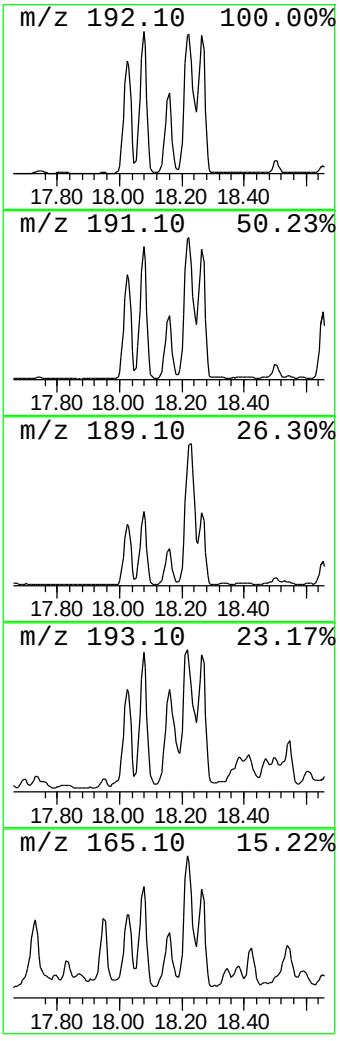
Peak Number 23 Anthracene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	63.61 ng/ul	15183600	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96





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Quant Title : SVOA CALIBRATION

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

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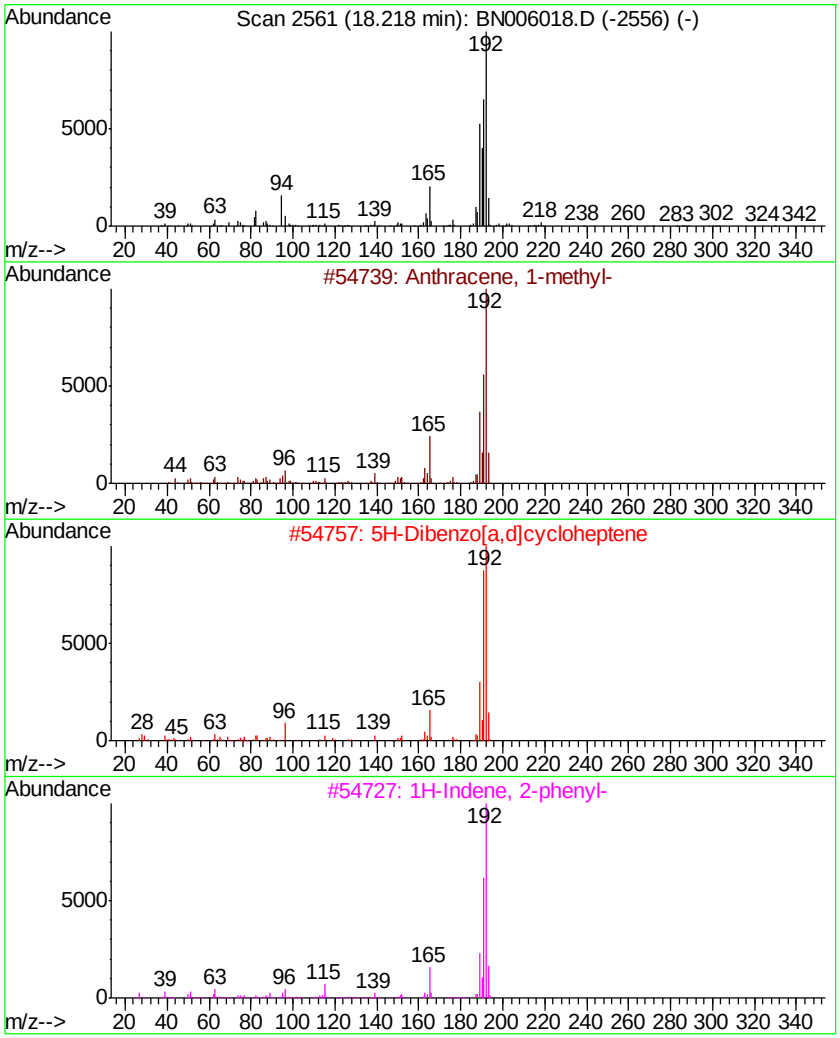
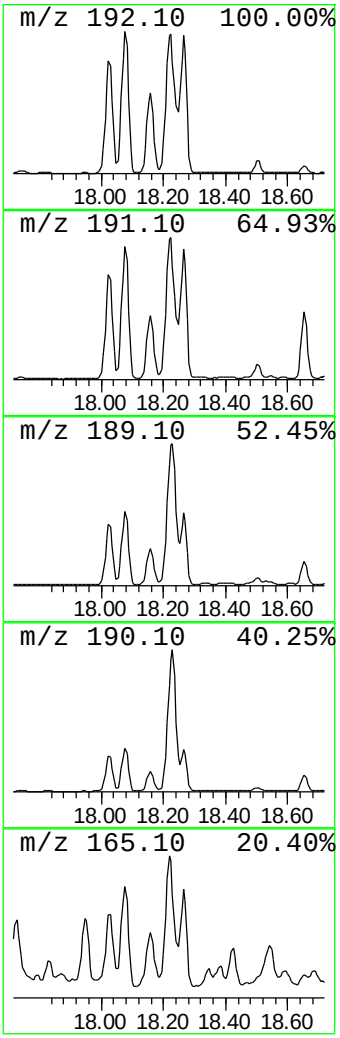
Peak Number 24 5H-Dibenzo[a,d]cycloheptene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.22	141.54 ng/ul	33783400	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	60
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	60
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	53
4	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	50
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	49





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Quant Title : SVOA CALIBRATION

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

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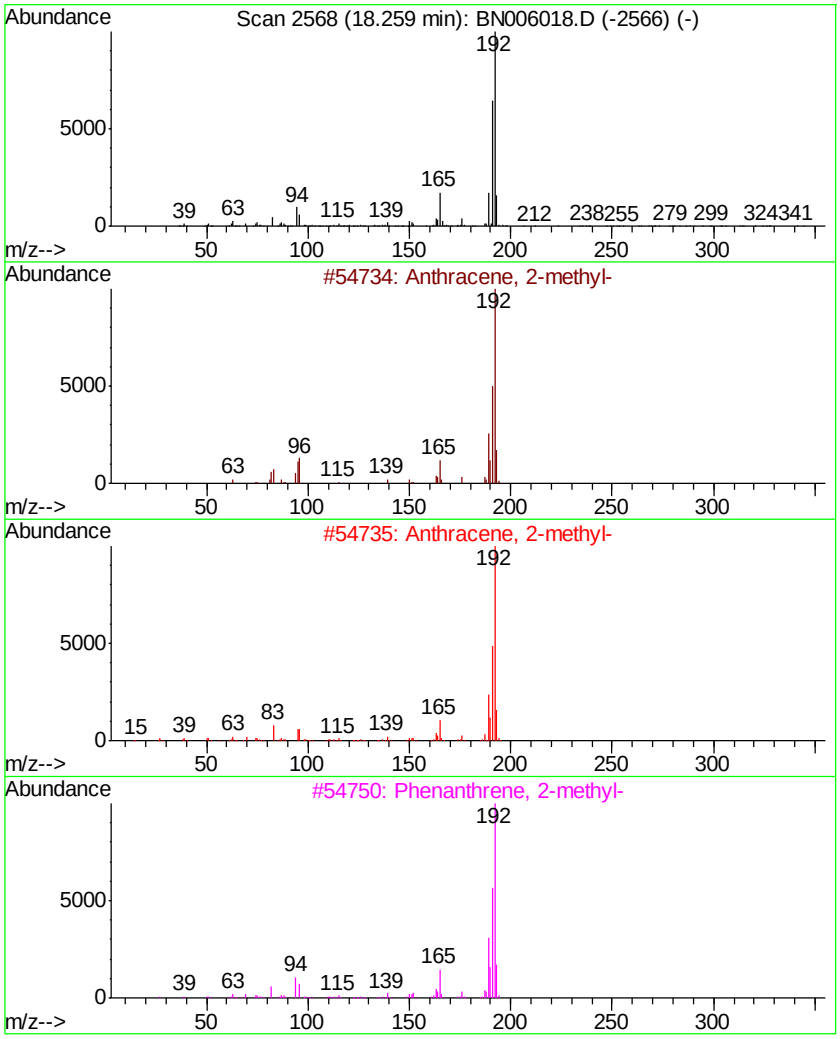
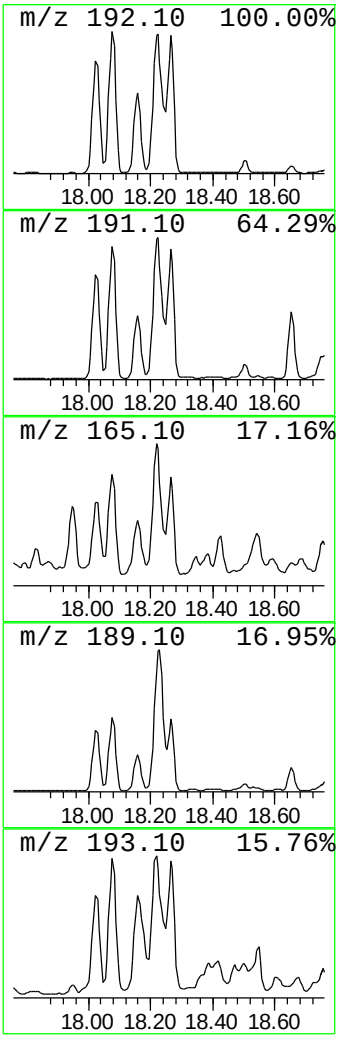
Peak Number 25 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	74.05 ng/ul	17674600	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	89





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Quant Title : SVOA CALIBRATION

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

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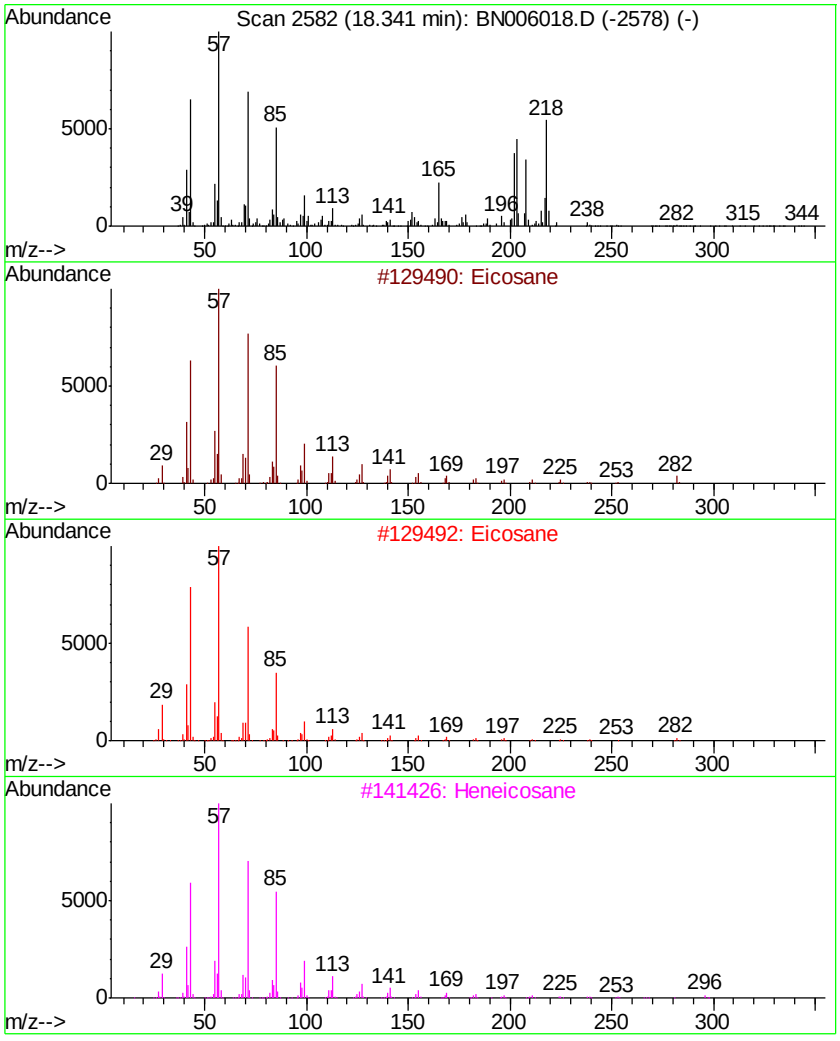
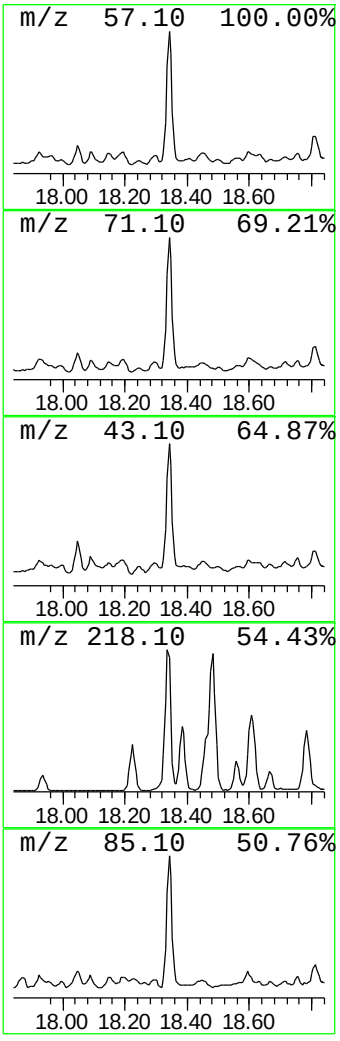
Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	22.60 ng/ul	5395490	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	78
2	Eicosane	282	C20H42	000112-95-8	52
3	Heneicosane	296	C21H44	000629-94-7	38
4	Nonadecane	268	C19H40	000629-92-5	30
5	Octadecane	254	C18H38	000593-45-3	30





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TIC Library : C:\DATABASE\NIST11.L
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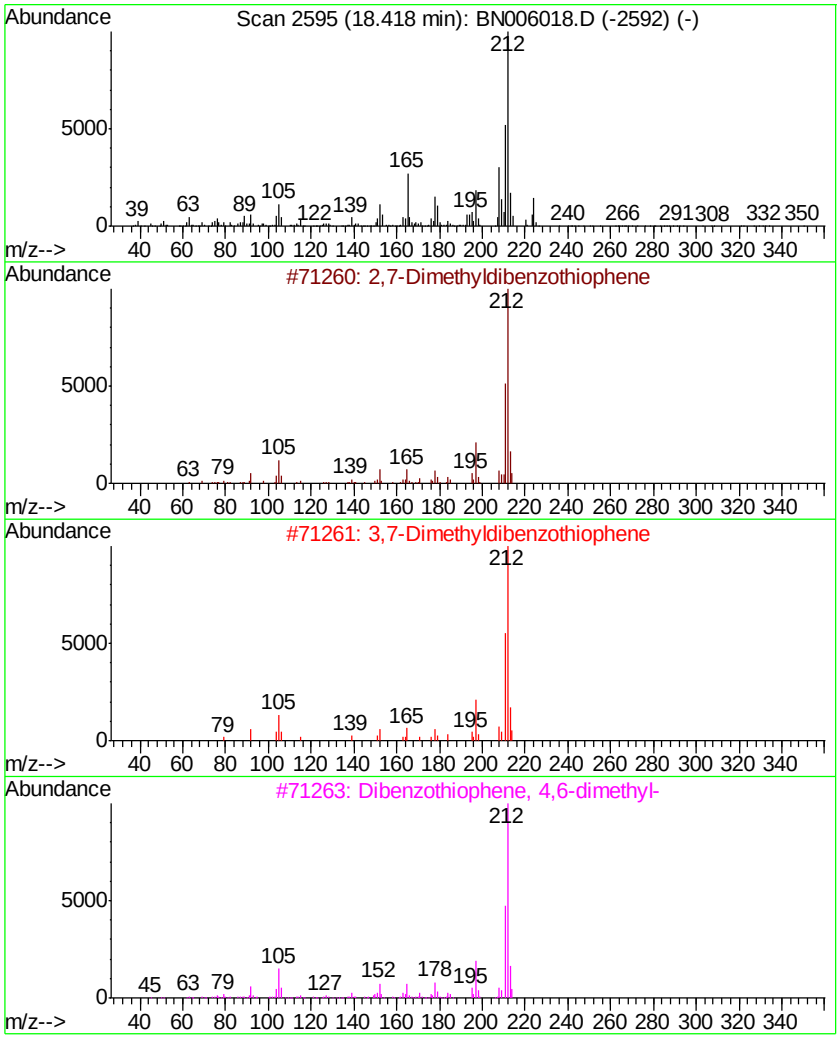
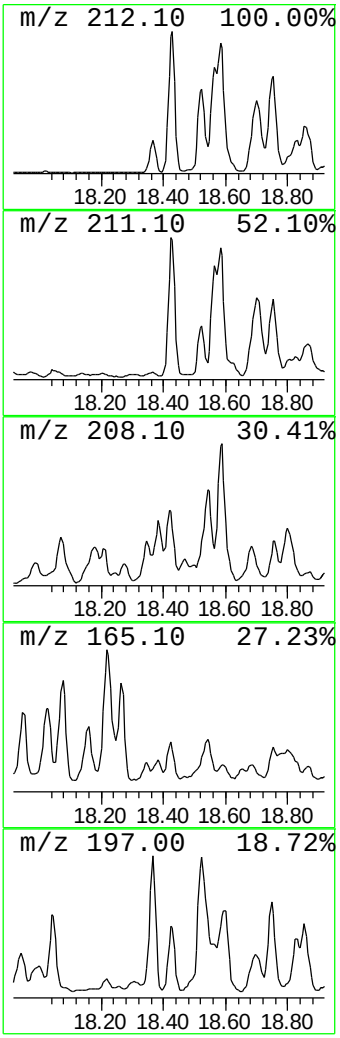
Peak Number 27 2,7-Dimethyldibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	26.15 ng/ul	6240700	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	98
2	3,7-Dimethyldibenzothiophene	212	C14H12S	001136-85-2	97
3	Dibenzothiophene, 4,6-dimethyl-	212	C14H12S	001207-12-1	96
4	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	93
5	1,7-Dimethyldibenzothiophene	212	C14H12S	089816-53-5	92





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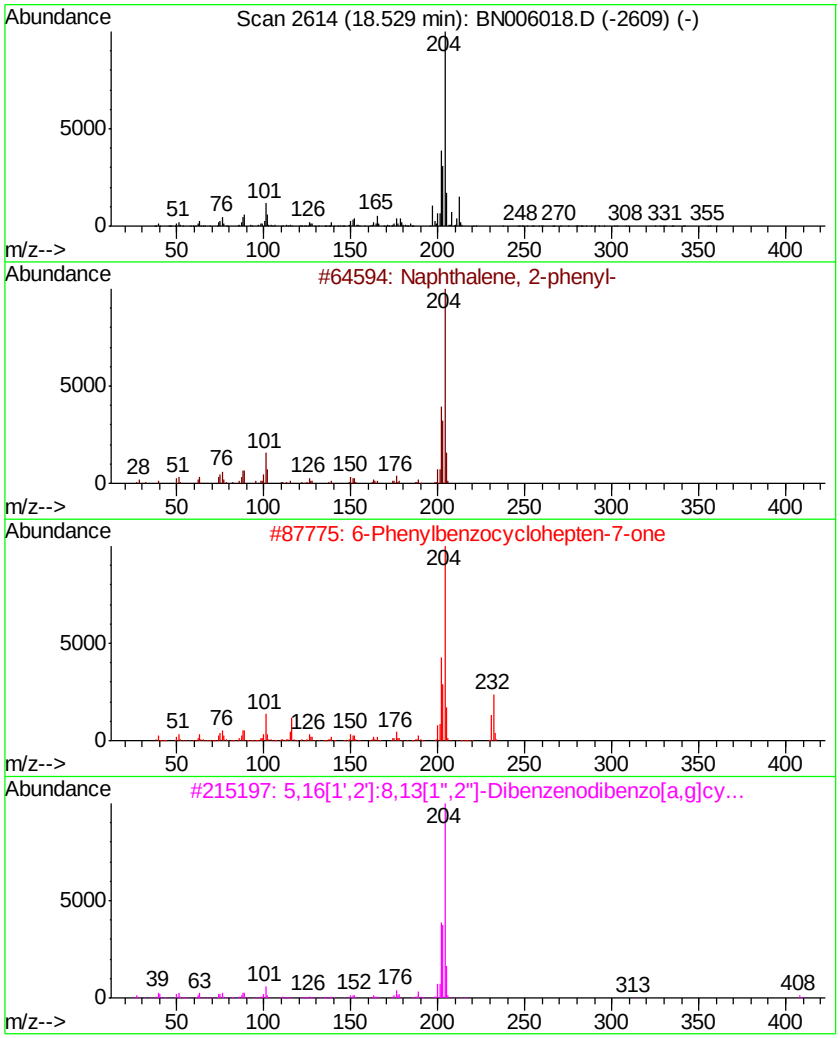
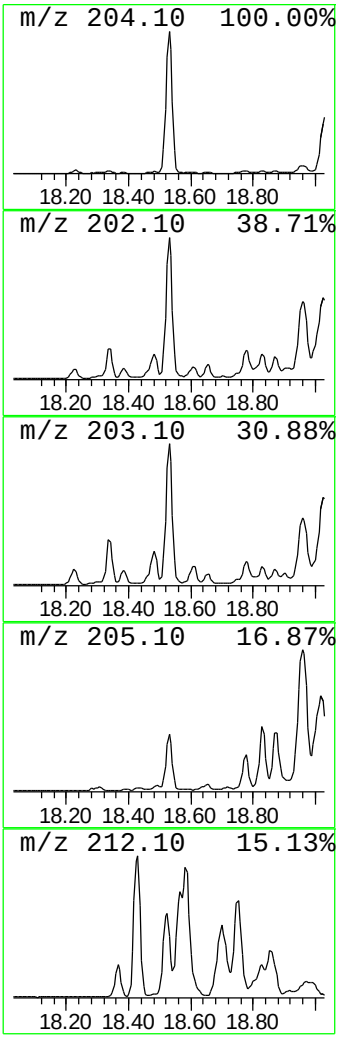
Peak Number 28 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	54.00 ng/ul	12890300	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	80
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58





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

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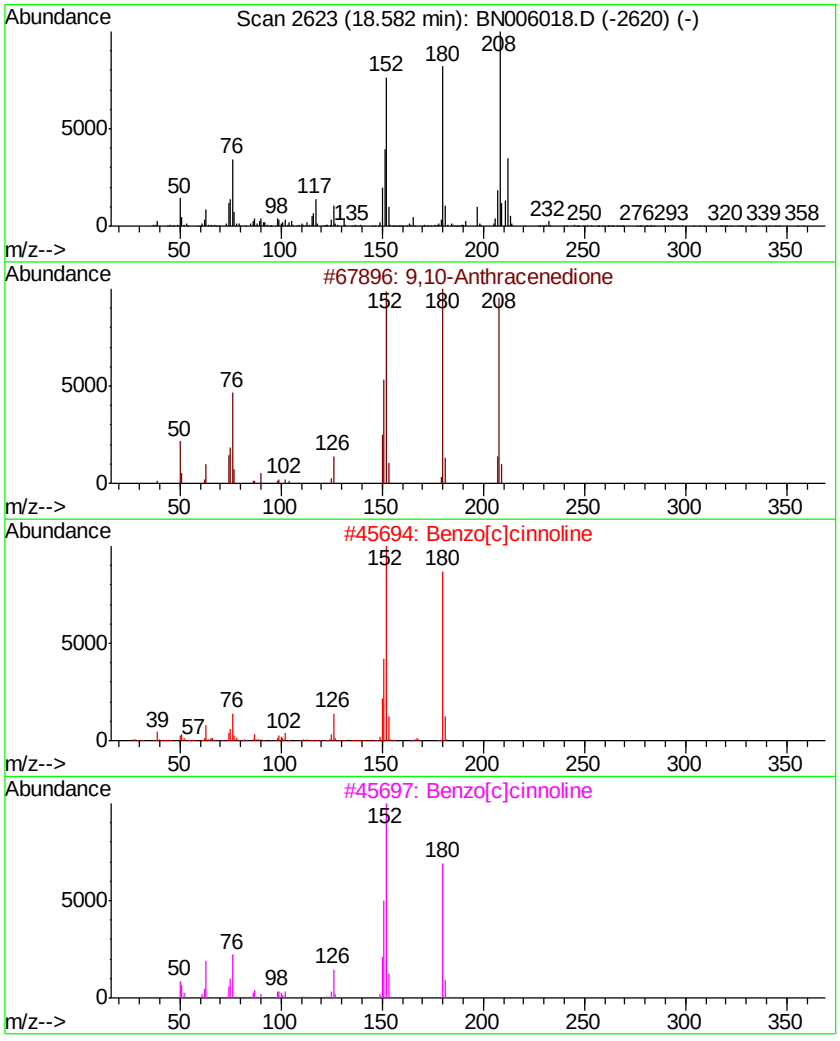
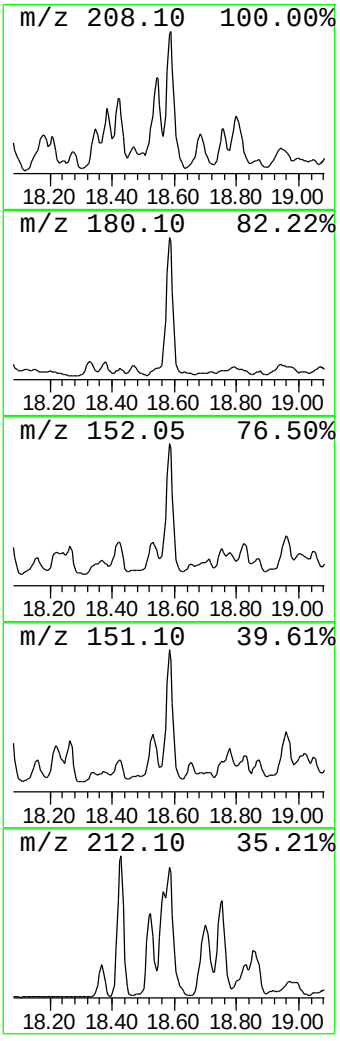
Peak Number 29 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.58	39.82 ng/ul	9505540	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	95
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	81
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55





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Instrument : BNA_N
ClientSampleId : A42C9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION

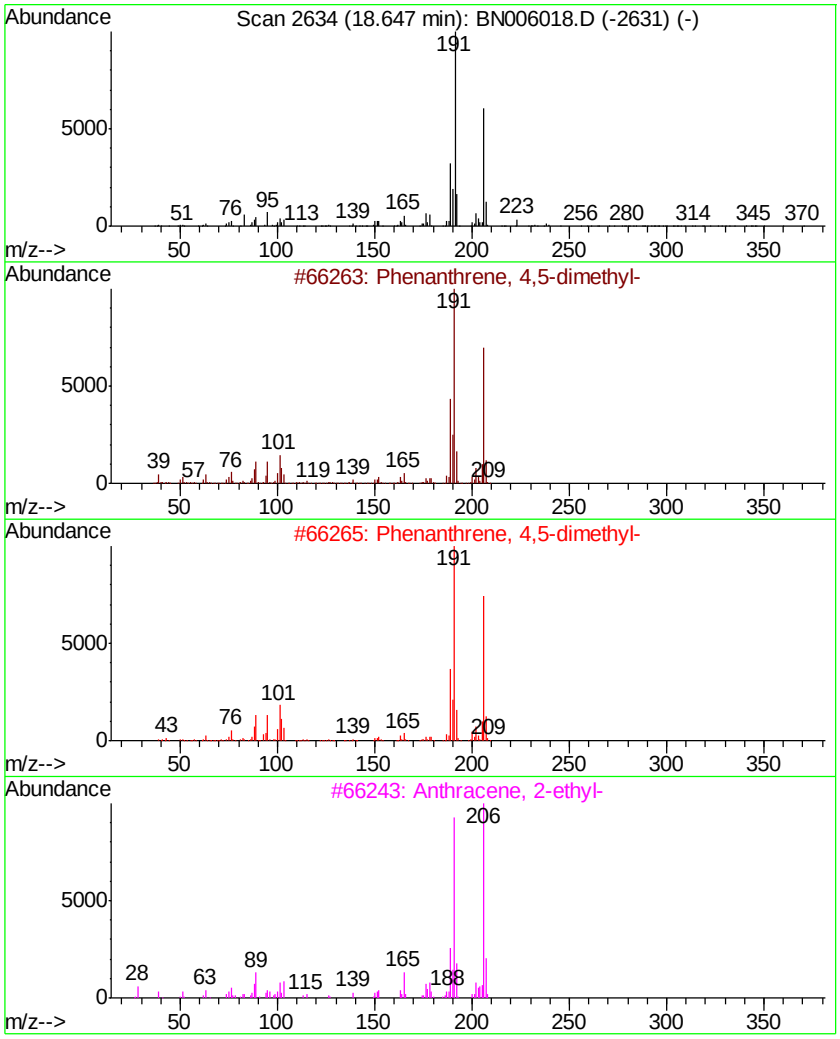
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

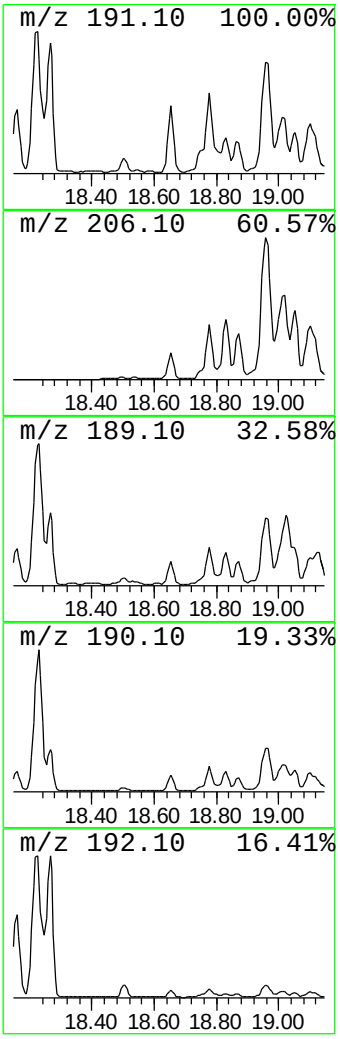
****

Peak Number 30 Phenanthrene, 4,5-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.65	22.14 ng/ul	5285580	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	87
4	Phenanthrene, 2-ethyl-	206	C16H14	003674-74-6	87
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	74





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060119\
Data File : BN006018.D
Acq On : 02 Jun 2019 06:41
Operator : JU/SJ
Sample : K2928-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42C9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION

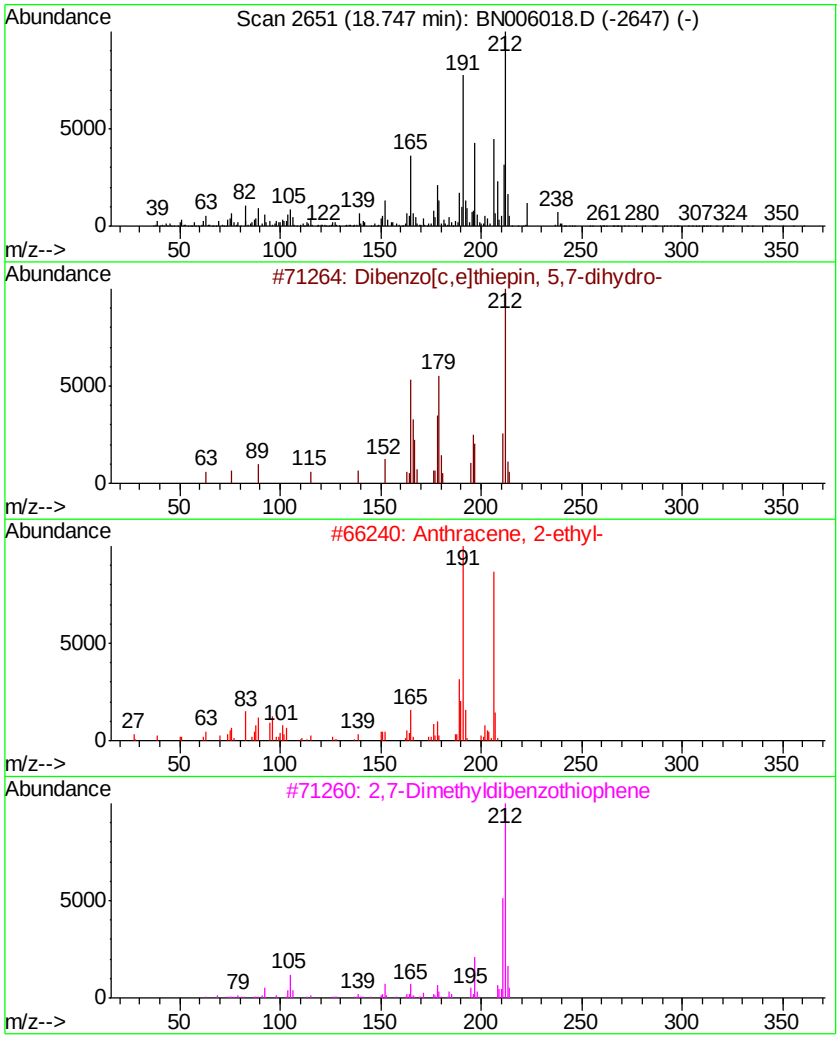
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

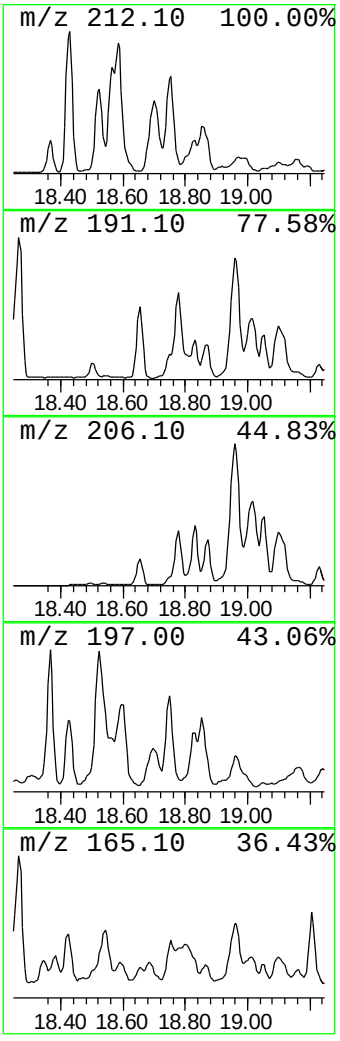
****

Peak Number 31 Dibenzo[c,e]thiepin, 5,7-di... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.75	23.57 ng/ul	5624780	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[c,e]thiepin, 5,7-dihydro-	212	C14H12S	006672-64-6	64
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	51
3	2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	42
4	Naphtho[2,3-b]thiophene, 4,9-dim...	212	C14H12S	016587-34-1	42
5	Phenanthrene, 9-ethyl-	206	C16H14	003674-75-7	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060119\
Data File : BN006018.D
Acq On : 02 Jun 2019 06:41
Operator : JU/SJ
Sample : K2928-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42C9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.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, 2,3,...	14.68	10.0	ng/ul	2971490	3	14.38	5927800	20.0
Naphthalene, 1,6,...	14.78	14.4	ng/ul	4282950	3	14.38	5927800	20.0
Naphthalene, 1,4,...	14.86	13.1	ng/ul	3882870	3	14.38	5927800	20.0
unknown-01	15.01	16.1	ng/ul	4780330	3	14.38	5927800	20.0
Cyclopentene, 1,2...	15.72	13.3	ng/ul	3945760	3	14.38	5927800	20.0
Chamazulene	15.75	9.8	ng/ul	2904880	3	14.38	5927800	20.0
1,1'-Biphenyl, 2-...	16.11	33.3	ng/ul	7942760	4	17.14	4773750	20.0
Naphthalene, 1,2,...	16.25	12.5	ng/ul	2983040	4	17.14	4773750	20.0
unknown-02	16.45	19.5	ng/ul	4659490	4	17.14	4773750	20.0
9H-Fluorene, 2-me...	16.49	24.0	ng/ul	5737450	4	17.14	4773750	20.0
Phenol, 4-(2-phen...	16.60	16.0	ng/ul	3811880	4	17.14	4773750	20.0
1,1'-Biphenyl, 2,...	16.65	12.7	ng/ul	3036730	4	17.14	4773750	20.0
1,1'-Biphenyl, 2-...	16.71	15.5	ng/ul	3692000	4	17.14	4773750	20.0
2-Fluorenamine	16.80	12.4	ng/ul	2955920	4	17.14	4773750	20.0
Dibenz[c,e]oxepin...	16.88	21.0	ng/ul	5016850	4	17.14	4773750	20.0
Naphtho[2,1-b]thi...	16.96	20.3	ng/ul	4835210	4	17.14	4773750	20.0
3H-Pyrrolo[3,2-H]...	17.33	29.3	ng/ul	6985160	4	17.14	4773750	20.0
Dibenzothiophene,...	17.72	36.4	ng/ul	8694600	4	17.14	4773750	20.0
Dibenzothiophene,...	17.87	11.9	ng/ul	2849710	4	17.14	4773750	20.0
Phenanthrene, 2-m...	18.02	76.3	ng/ul	18224300	4	17.14	4773750	20.0
Anthracene, 1-met...	18.16	63.6	ng/ul	15183600	4	17.14	4773750	20.0
5H-Dibenzo[a,d]cy...	18.22	141.5	ng/ul	33783400	4	17.14	4773750	20.0
Anthracene, 2-met...	18.26	74.0	ng/ul	17674600	4	17.14	4773750	20.0
(DEL) Alkane: Str...	18.34	22.6	ng/ul	5395490	4	17.14	4773750	20.0
2,7-Dimethyldiben...	18.42	26.1	ng/ul	6240700	4	17.14	4773750	20.0
Naphthalene, 2-ph...	18.53	54.0	ng/ul	12890300	4	17.14	4773750	20.0
9,10-Anthracenedione	18.58	39.8	ng/ul	9505540	4	17.14	4773750	20.0
Phenanthrene, 4,5...	18.65	22.1	ng/ul	5285580	4	17.14	4773750	20.0
Dibenzo[c,e]thiep...	18.75	23.6	ng/ul	5624780	4	17.14	4773750	20.0