LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090518\
Data File : BN002606.D
Acq On : 06 Sep 2018 06:33
Operator : JU/SJ
Sample : J4688-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY6

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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-BN081318MA.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	7.664	787	795	806	rBV	794733	1294010	6.67%	0.706%
2	10.434	1258	1266	1271	rBV	1205085	2022190	10.42%	1.103%
3	13.704	1819	1822	1827	rVB	155245	207640	1.07%	0.113%
4	13.987	1864	1870	1873	rBV	197755	307336	1.58%	0.168%
5	14.299	1913	1923	1928	rBV2	1717606	2757842	14.21%	1.505%
6	14.357	1928	1933	1941	rVB	681983	1024846	5.28%	0.559%
7	14.698	1984	1991	1999	rVV	452521	698991	3.60%	0.381%
8	15.293	2086	2092	2096	rVB	253968	365063	1.88%	0.199%
9	15.346	2096	2101	2106	rBV	779917	1053067	5.43%	0.575%
10	15.440	2112	2117	2120	rBV2	128600	215032	1.11%	0.117%
11	15.469	2120	2122	2126	rVV	166953	224620	1.16%	0.123%
12	15.510	2126	2129	2133	rVB2	161865	218534	1.13%	0.119%
13	15.640	2147	2151	2160	rVB	230515	394073	2.03%	0.215%
14	15.787	2172	2176	2184	rVB	268424	527448	2.72%	0.288%
15	16.028	2212	2217	2228	rVB2	115867	199930	1.03%	0.109%
16	16.351	2270	2272	2277	rVB2	208135	258694	1.33%	0.141%
17	16.398	2277	2280	2286	rVB3	154457	225699	1.16%	0.123%
18	16.704	2327	2332	2339	rVB	379382	596372	3.07%	0.325%
19	16.798	2339	2348	2353	rBV2	409411	867882	4.47%	0.474%
20	16.863	2353	2359	2369	rVB	613779	991017	5.11%	0.541%
21	17.045	2380	2390	2393	rBV	2064071	3218588	16.58%	1.756%
22	17.092	2393	2398	2403	rVV	10612777	14991468	77.23%	8.181%
23	17.145	2403	2407	2409	rVV2	501008	767006	3.95%	0.419%
24	17.175	2409	2412	2418	rVV	2087001	3021282	15.57%	1.649%
25	17.234	2418	2422	2428	rVB2	305911	472028	2.43%	0.258%
26	17.451	2449	2459	2464	rBV2	968465	1763502	9.09%	0.962%
27	17.563	2473	2478	2484	rBV3	221928	340646	1.75%	0.186%
28	17.628	2484	2489	2493	rBV2	278734	426245	2.20%	0.233%
29	17.763	2508	2512	2521	rVB2	210656	365832	1.88%	0.200%
30	17.922	2529	2539	2543	rBV	1810154	2848801	14.68%	1.555%
31	17.969	2543	2547	2553	rVB	2609627	3546874	18.27%	1.935%
32	18.051	2553	2561	2565	rBV	883113	1331116	6.86%	0.726%
33	18.116	2565	2572	2576	rVV2	2163560	4248681	21.89%	2.318%
34	18.151	2576	2578	2585	rVB	1438200	1691507	8.71%	0.923%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090518\
Data File : BN002606.D
Acq On : 06 Sep 2018 06:33
Operator : JU/SJ
Sample : J4688-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY6

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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-BN081318MA.M
Title : SVOA CALIBRATION

35	18.228	2586	2591	2595	rBV3	189880	319625	1.65%	0.174%
36	18.275	2595	2599	2602	rVB2	169922	226718	1.17%	0.124%
37	18.422	2619	2624	2628	rVV	1091985	1495327	7.70%	0.816%
38	18.469	2628	2632	2637	rVB	719614	1003773	5.17%	0.548%
39	18.545	2642	2645	2652	rVB	213156	292582	1.51%	0.160%
40	18.669	2662	2666	2671	rVB	479188	631410	3.25%	0.345%
41	18.722	2671	2675	2678	rBV	356927	439383	2.26%	0.240%
42	18.763	2678	2682	2686	rVB	397366	515528	2.66%	0.281%
43	18.845	2690	2696	2701	rBV	1073510	1878383	9.68%	1.025%
44	18.910	2701	2707	2710	rVV2	634889	1332260	6.86%	0.727%
45	18.939	2710	2712	2715	rVV	384829	386268	1.99%	0.211%
46	18.986	2715	2720	2728	rVB3	730706	1445388	7.45%	0.789%
47	19.116	2735	2742	2748	rBV	11141582	15725792	81.02%	8.581%
48	19.181	2749	2753	2755	rVV	275012	356701	1.84%	0.195%
49	19.210	2755	2758	2764	rVB2	421539	575351	2.96%	0.314%
50	19.316	2769	2776	2779	rBV4	274674	587748	3.03%	0.321%
51	19.351	2779	2782	2786	rVV	400794	577764	2.98%	0.315%
52	19.392	2786	2789	2793	rVB2	211106	283023	1.46%	0.154%
53	19.481	2793	2804	2811	rBV	10734420	19410469	100.00%	10.592%
54	19.545	2811	2815	2823	rVB2	691847	1223925	6.31%	0.668%
55	19.657	2823	2834	2840	rBV	667884	1448645	7.46%	0.791%
56	19.716	2840	2844	2849	rVB2	655238	991223	5.11%	0.541%
57	19.804	2853	2859	2865	rBV3	1015195	2405581	12.39%	1.313%
58	19.939	2876	2882	2884	rBV6	813057	1415868	7.29%	0.773%
59	19.975	2884	2888	2892	rVB	1831848	2601778	13.40%	1.420%
60	20.075	2901	2905	2909	rBV	1001515	1281634	6.60%	0.699%
61	20.134	2909	2915	2919	rVV2	1551000	2497856	12.87%	1.363%
62	20.169	2919	2921	2925	rVV	464906	579689	2.99%	0.316%
63	20.216	2926	2929	2933	rVB3	324209	406606	2.09%	0.222%
64	20.275	2934	2939	2942	rBV	1050066	1388012	7.15%	0.757%
65	20.322	2942	2947	2951	rVB	1097777	1501231	7.73%	0.819%
66	20.439	2964	2967	2971	rVB2	286770	389236	2.01%	0.212%
67	20.533	2979	2983	2985	rBV3	211297	331790	1.71%	0.181%
68	20.569	2986	2989	2992	rVV4	356736	614378	3.17%	0.335%
69	20.604	2992	2995	2998	rVV2	380773	615789	3.17%	0.336%
70	20.639	2998	3001	3005	rVB2	252304	298827	1.54%	0.163%
71	20.692	3005	3010	3012	rBV3	234935	407063	2.10%	0.222%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090518\
Data File : BN002606.D
Acq On : 06 Sep 2018 06:33
Operator : JU/SJ
Sample : J4688-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY6

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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-BN081318MA.M
Title : SVOA CALIBRATION

72	20.728	3012	3016	3022	rVB	1126331	1618767	8.34%	0.883%
73	20.886	3037	3043	3047	rBV2	938170	1787584	9.21%	0.975%
74	20.928	3047	3050	3054	rVV	1169740	1468727	7.57%	0.801%
75	20.975	3054	3058	3062	rVV2	806762	1510307	7.78%	0.824%
76	21.028	3063	3067	3073	rVB	1028655	1485771	7.65%	0.811%
77	21.133	3077	3085	3092	rBV2	272466	866462	4.46%	0.473%
78	21.239	3093	3103	3108	rBV3	5923801	12023278	61.94%	6.561%
79	21.286	3108	3111	3120	rVB	5487542	7049607	36.32%	3.847%
80	21.404	3127	3131	3137	rBV	705526	982945	5.06%	0.536%
81	21.563	3153	3158	3162	rBV2	502709	824586	4.25%	0.450%
82	21.604	3162	3165	3169	rBV2	268252	320586	1.65%	0.175%
83	21.739	3184	3188	3191	rBV2	293322	381976	1.97%	0.208%
84	21.792	3191	3197	3201	rVV	1226025	1773927	9.14%	0.968%
85	21.845	3202	3206	3211	rVB	700155	1017660	5.24%	0.555%
86	21.910	3213	3217	3220	rBV2	332229	488049	2.51%	0.266%
87	21.992	3227	3231	3233	rBV	490807	672167	3.46%	0.367%
88	22.086	3243	3247	3256	rVB2	426654	753550	3.88%	0.411%
89	22.275	3275	3279	3292	rVB8	251100	865612	4.46%	0.472%
90	22.557	3322	3327	3332	rBV2	261762	505499	2.60%	0.276%
91	22.810	3363	3370	3375	rBV	2784483	6754253	34.80%	3.686%
92	22.969	3393	3397	3408	rVB	477200	797263	4.11%	0.435%
93	23.104	3416	3420	3427	rBV3	173627	431048	2.22%	0.235%
94	23.275	3443	3449	3456	rBV	1619670	3006642	15.49%	1.641%
95	23.375	3459	3466	3472	rVB	2490373	4693254	24.18%	2.561%
96	23.463	3475	3481	3486	rVV	1136103	2301202	11.86%	1.256%
97	23.510	3486	3489	3498	rVB2	684001	1353247	6.97%	0.738%
98	25.680	3849	3858	3868	rVB	1091214	3054239	15.74%	1.667%
99	25.927	3894	3900	3908	rVB	226119	527871	2.72%	0.288%
100	26.357	3964	3973	3989	rVB	824628	2572358	13.25%	1.404%

Sum of corrected areas: 183254923

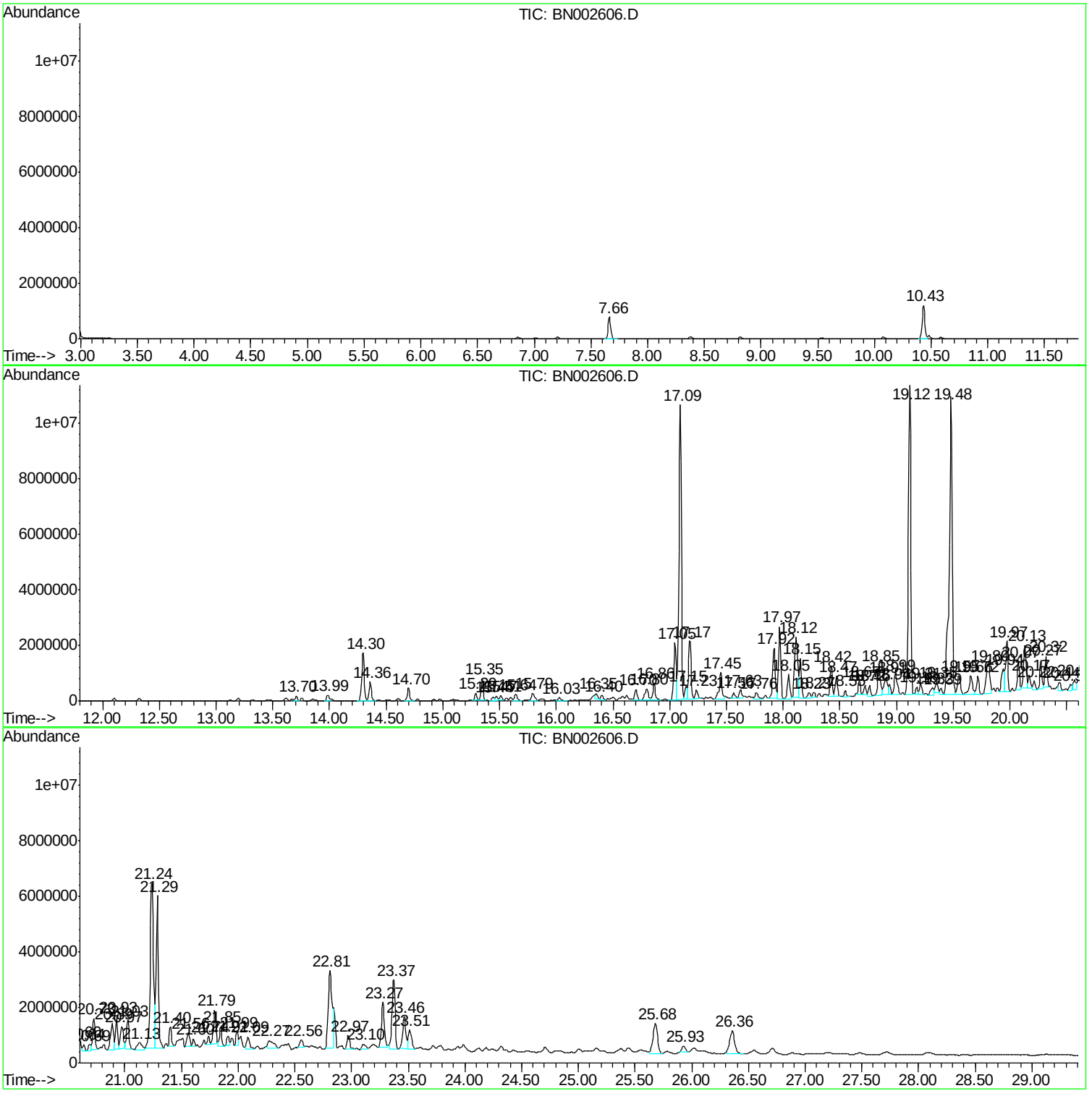
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090518\
Data File : BN002606.D
Acq On : 06 Sep 2018 06:33
Operator : JU/SJ
Sample : J4688-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SOM-EPA-BN081318MA.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\BN090518\
Data File : BN002606.D
Acq On : 06 Sep 2018 06:33
Operator : JU/SJ
Sample : J4688-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

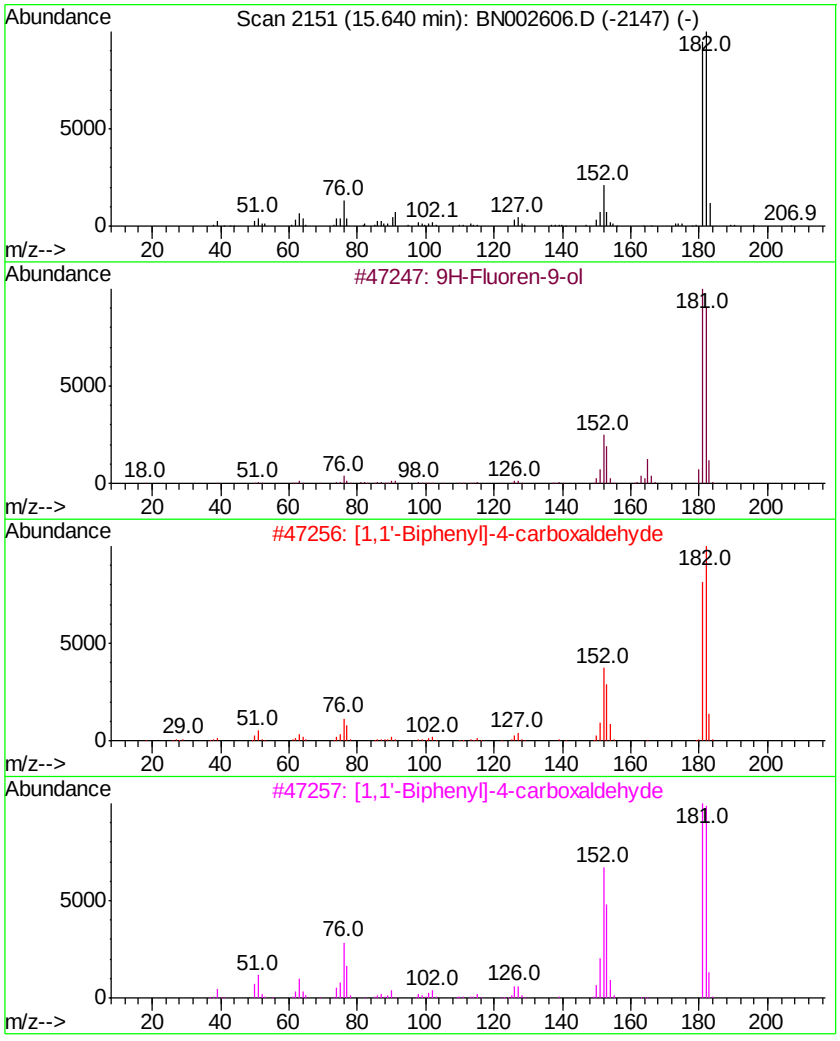
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

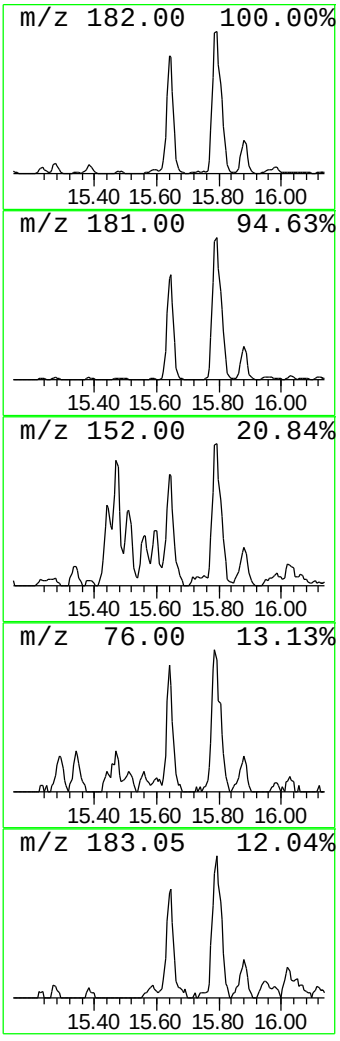
****

Peak Number 1 9H-Fluoren-9-ol Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.64	2.86 ng/ul	394073	Acenaphthene-d10	14.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	80
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	80
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090518\
Data File : BN002606.D
Acq On : 06 Sep 2018 06:33
Operator : JU/SJ
Sample : J4688-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

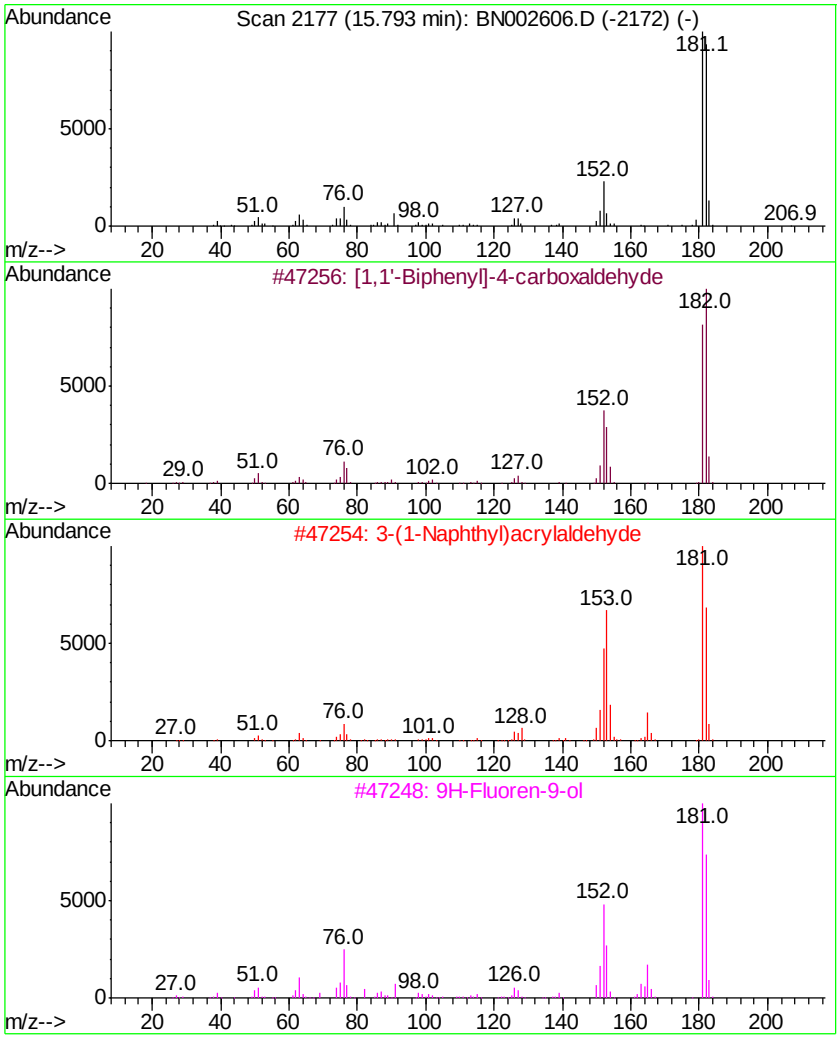
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

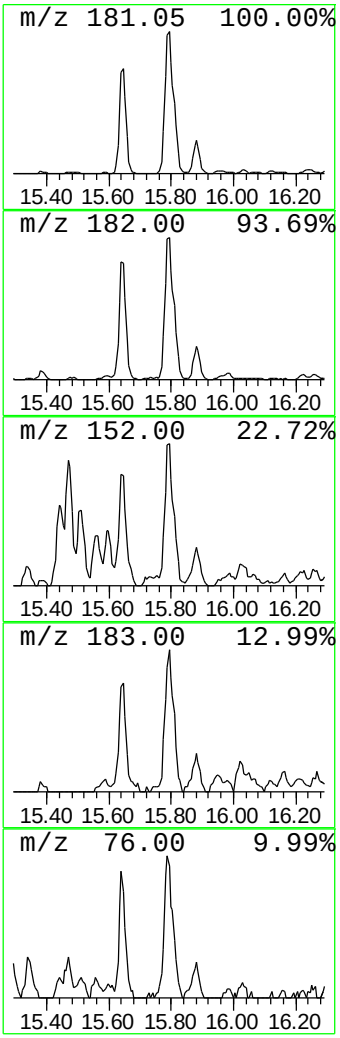
****

Peak Number 2 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	3.28 ng/ul	527448	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
2	3-(1-Naphthyl)acrylaldehyde	182	C13H10O	001504-73-0	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090518\
Data File : BN002606.D
Acq On : 06 Sep 2018 06:33
Operator : JU/SJ
Sample : J4688-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

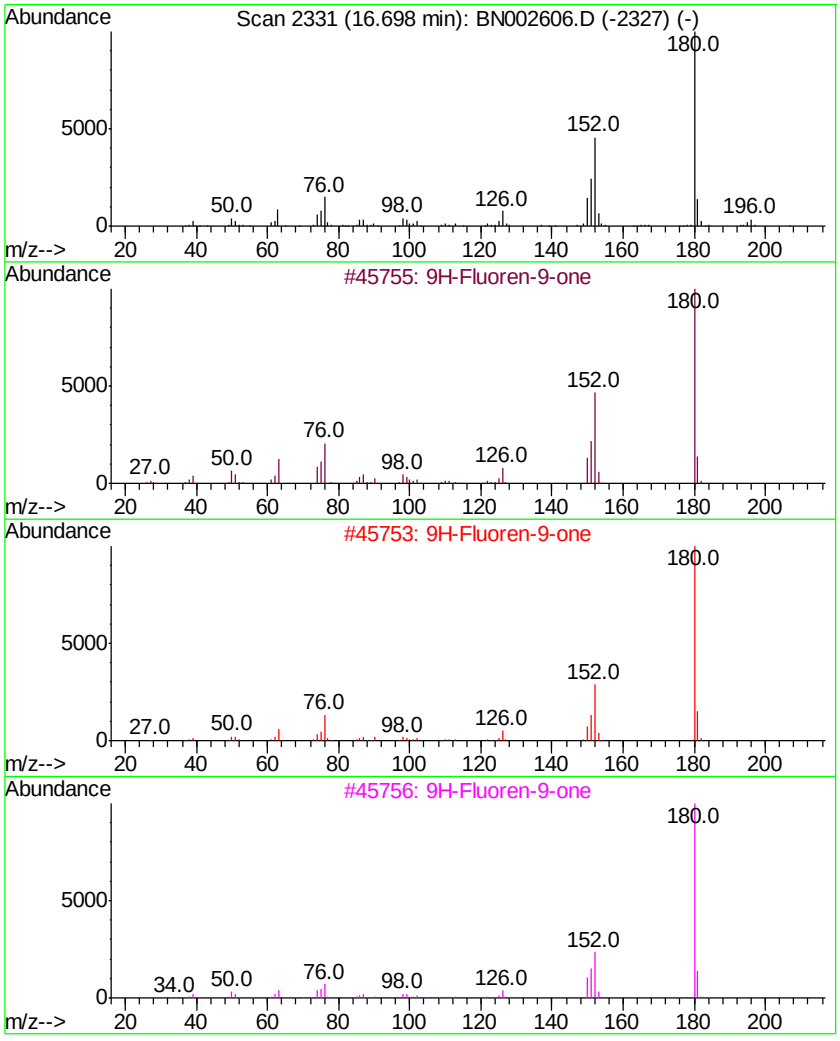
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

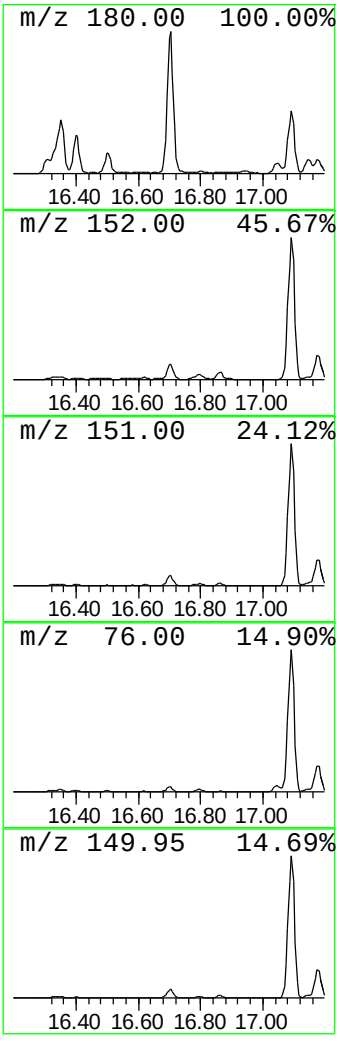
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	3.71 ng/ul	596372	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090518\
Data File : BN002606.D
Acq On : 06 Sep 2018 06:33
Operator : JU/SJ
Sample : J4688-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY6

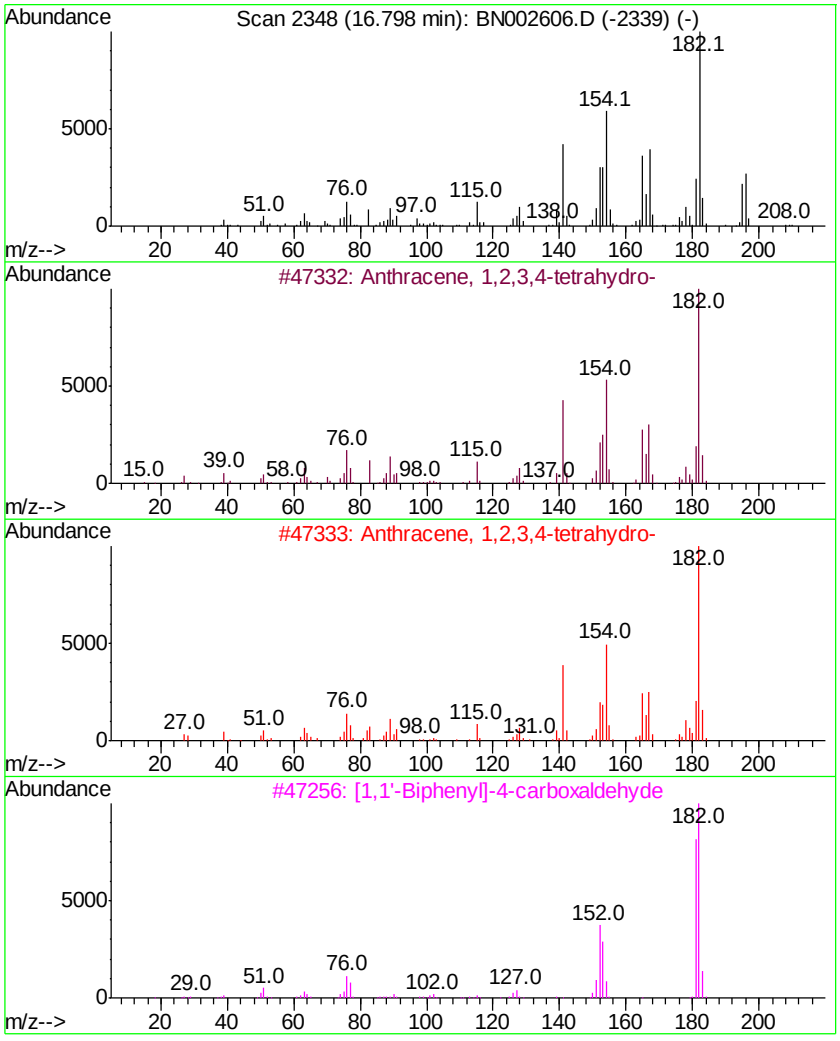
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

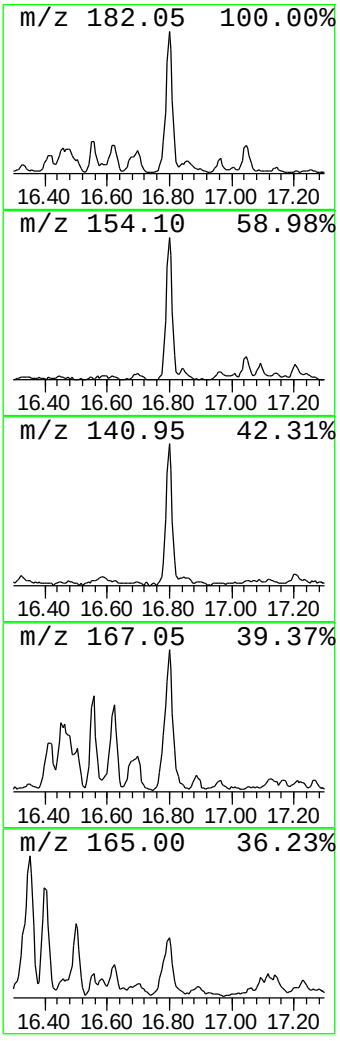
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	5.39 ng/ul	867882	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	98
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	89
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	59
4	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	50
5	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090518\
Data File : BN002606.D
Acq On : 06 Sep 2018 06:33
Operator : JU/SJ
Sample : J4688-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

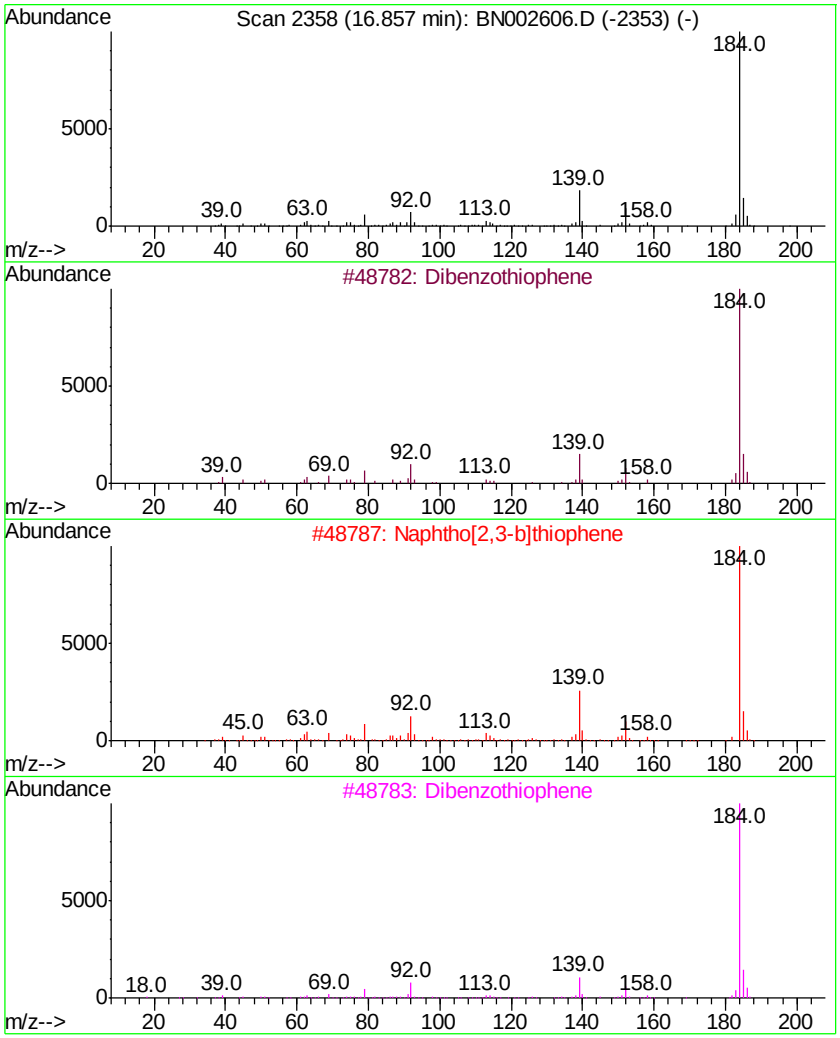
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

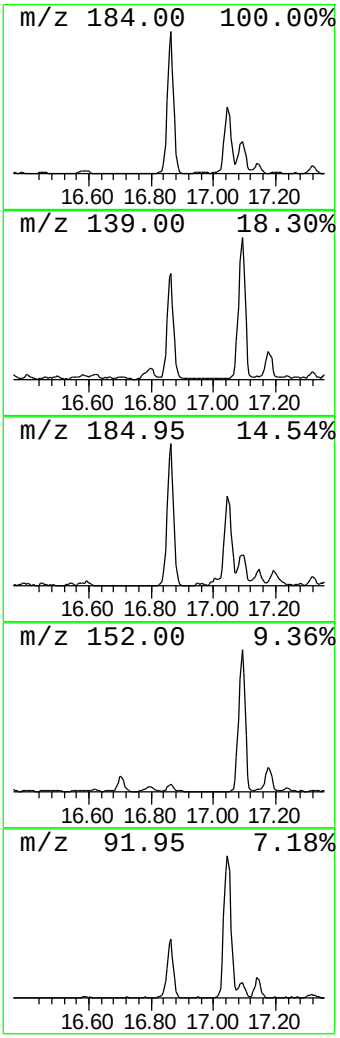
****

Peak Number 5 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.86	6.16 ng/ul	991017	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	96
3	Dibenzothiophene	184	C12H8S	000132-65-0	95
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





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Acq On : 06 Sep 2018 06:33
Operator : JU/SJ
Sample : J4688-08 10X
Misc :
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Instrument : BNA_N
ClientSampleId : A3YY6

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Quant Title : SVOA CALIBRATION

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

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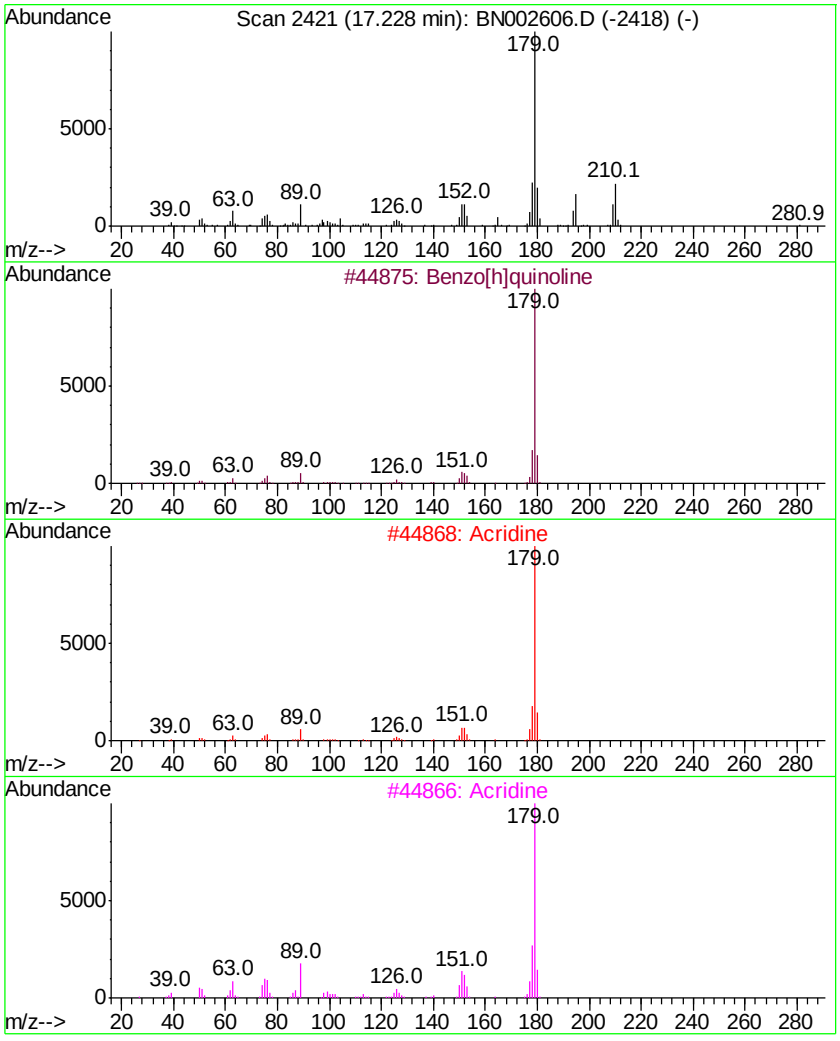
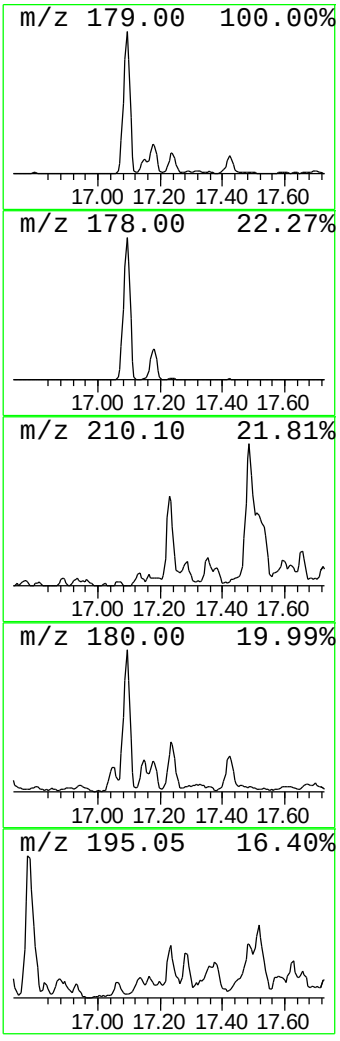
Peak Number 6 Benzo[h]quinoline Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.23	2.93 ng/ul	472028	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[h]quinoline	179	C13H9N	000230-27-3	93
2	Acridine	179	C13H9N	000260-94-6	93
3	Acridine	179	C13H9N	000260-94-6	90
4	Benzo[f]quinoline	179	C13H9N	000085-02-9	90
5	Phenanthridine	179	C13H9N	000229-87-8	89





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Quant Title : SVOA CALIBRATION

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

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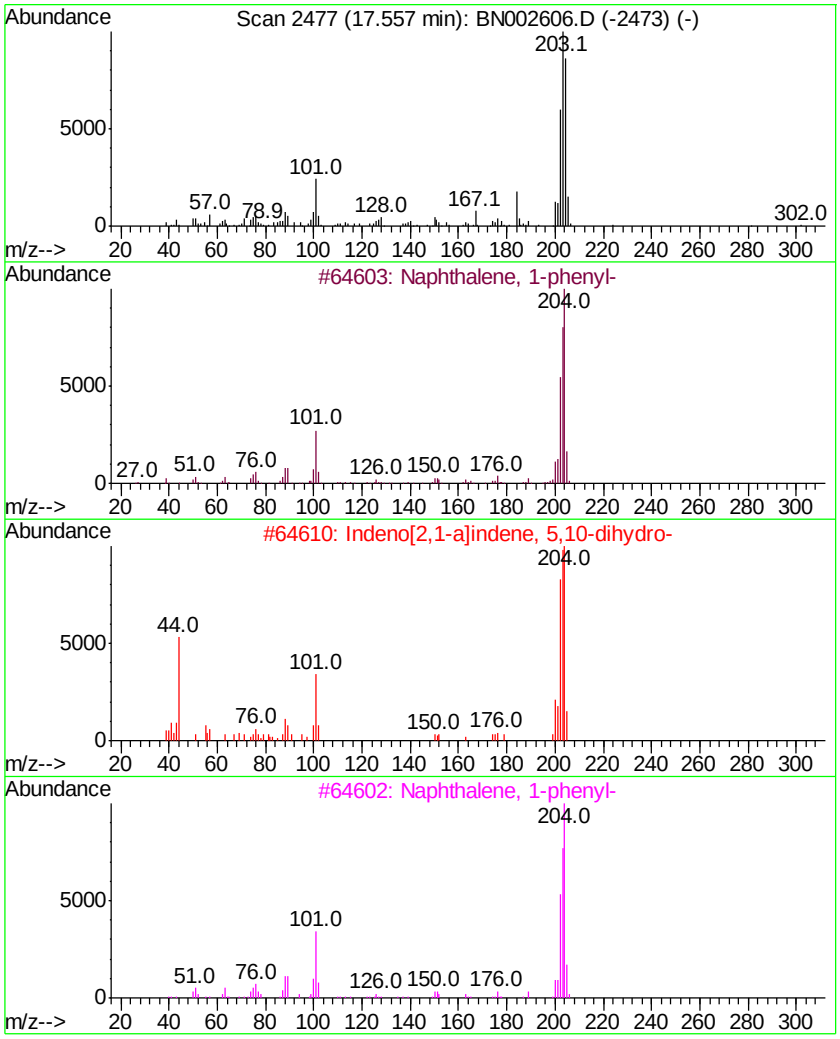
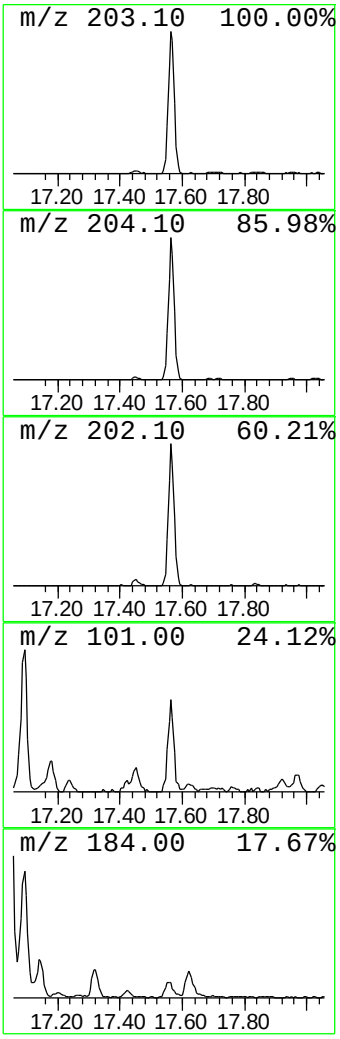
Peak Number 7 Naphthalene, 1-phenyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.56	2.12 ng/ul	340646	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	93
2	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	93
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	91
4	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	89
5	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	89





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Instrument : BNA_N
ClientSampleId : A3YY6

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Quant Title : SVOA CALIBRATION

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

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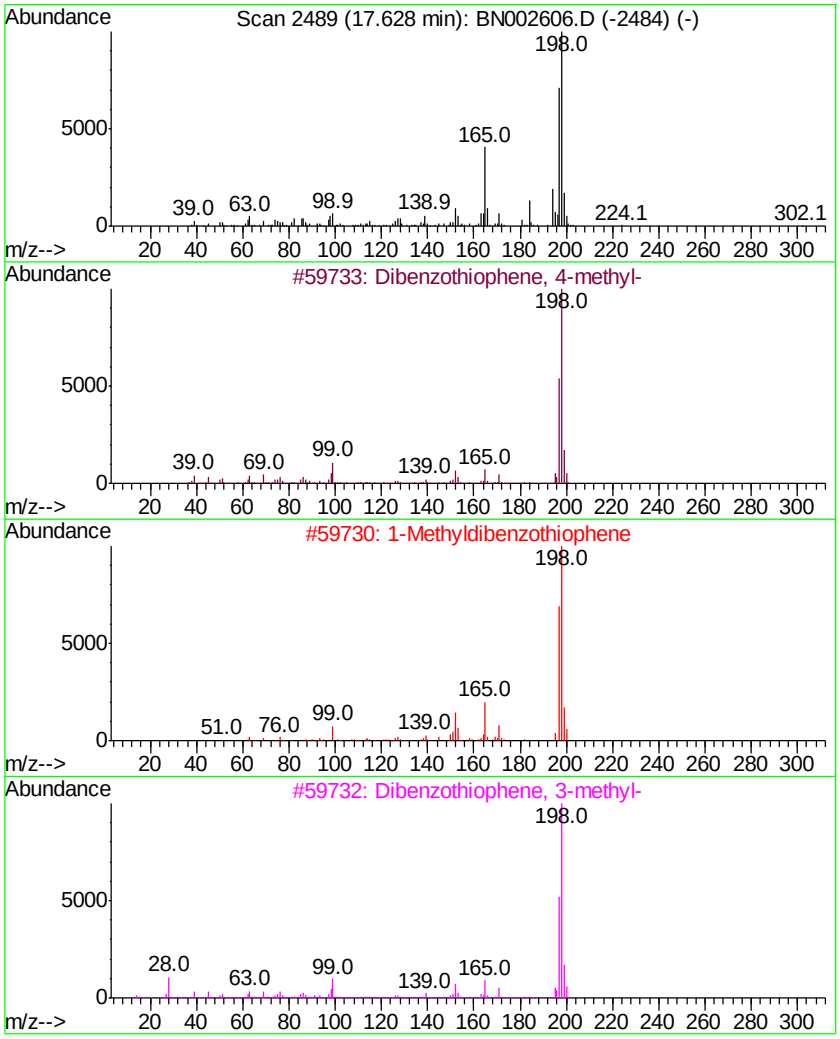
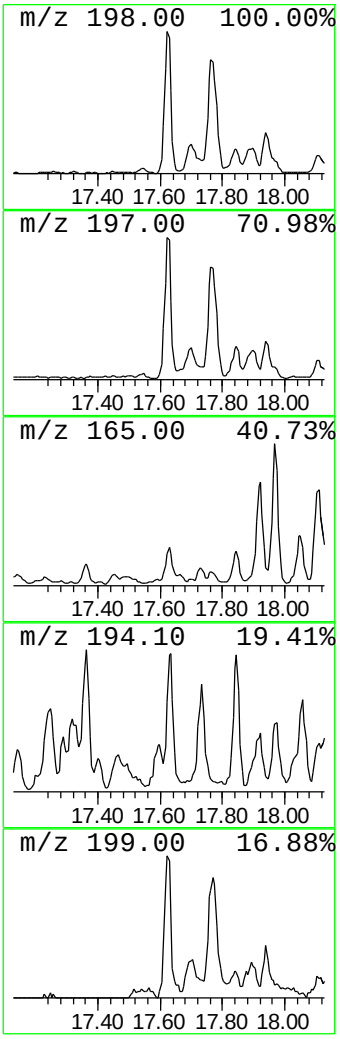
Peak Number 8 Dibenzothiophene, 4-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.63	2.65 ng/ul	426245	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	70
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	70
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	70
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64
5	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	52





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Misc :
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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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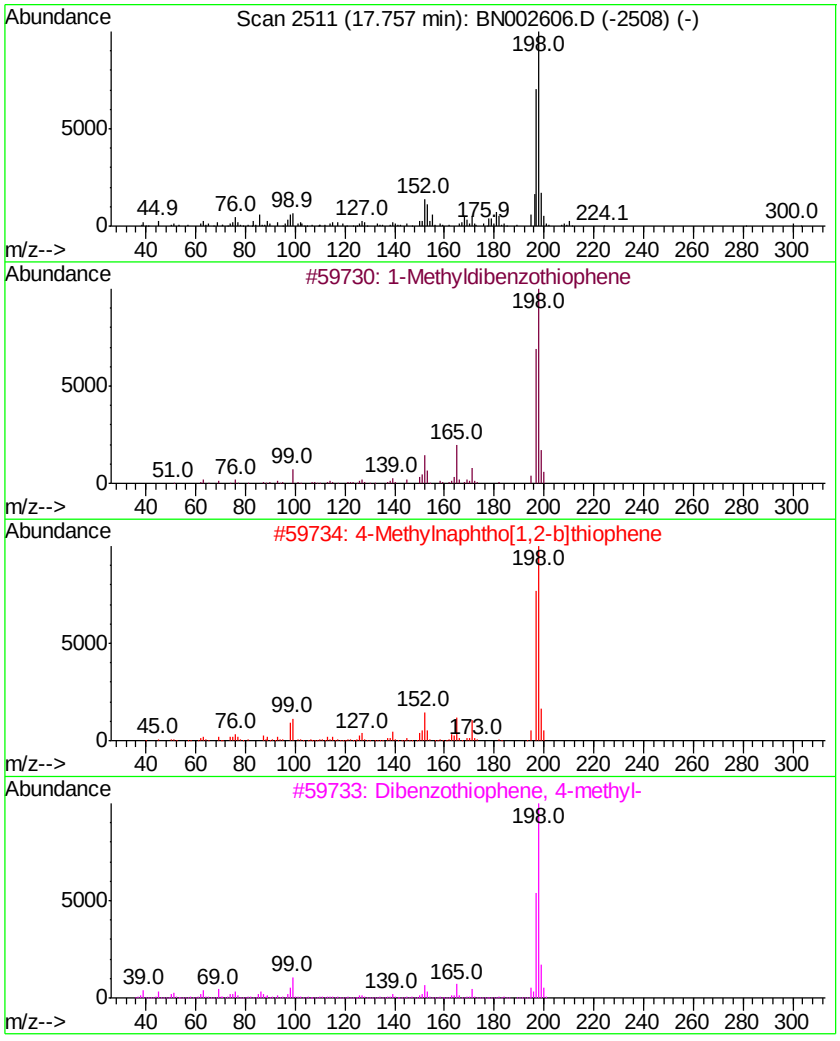
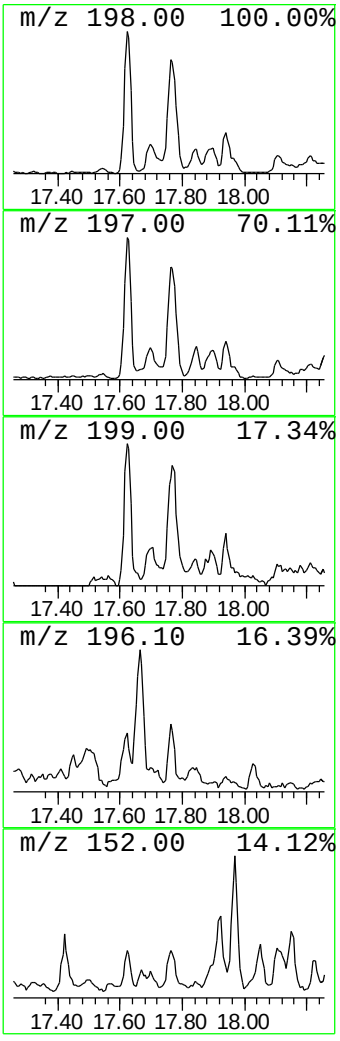
Peak Number 9 1-Methyldibenzothiophene Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.76	2.27 ng/ul	365832	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	95
2	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	87
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	87
5	Benzene, 1-methoxy-4-(phenylmeth...	198	C14H14O	000834-14-0	64





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Quant Title : SVOA CALIBRATION

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

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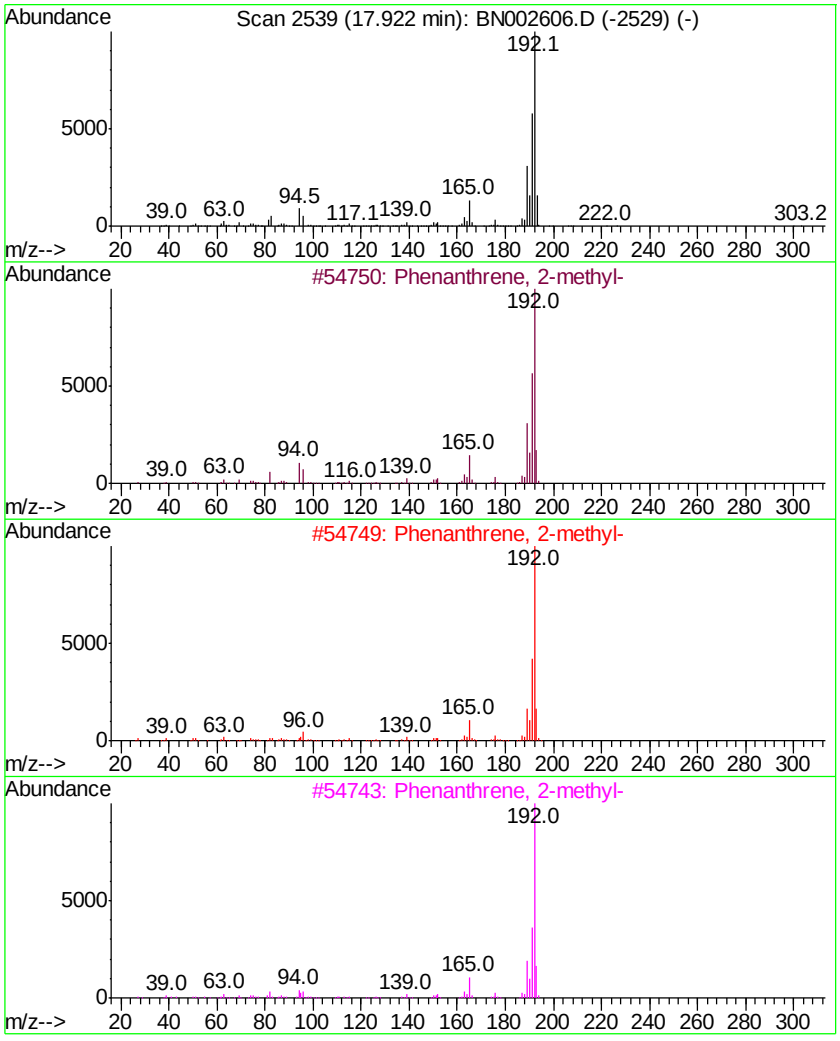
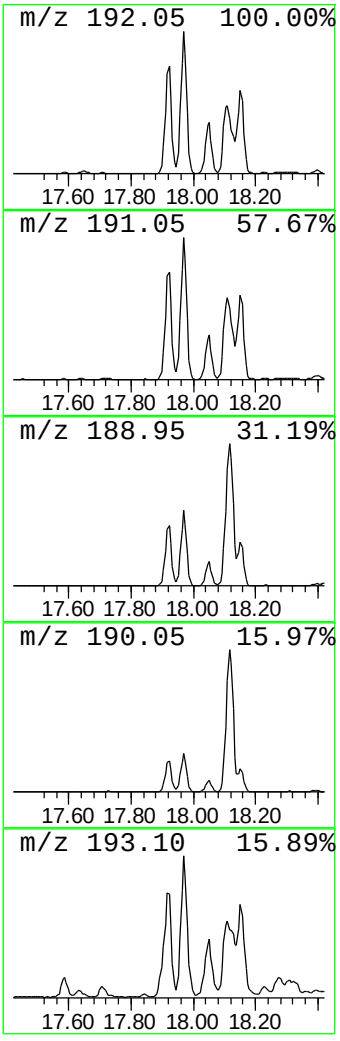
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	17.70 ng/ul	2848800	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	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 15 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.42	9.29 ng/ul	1495330	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
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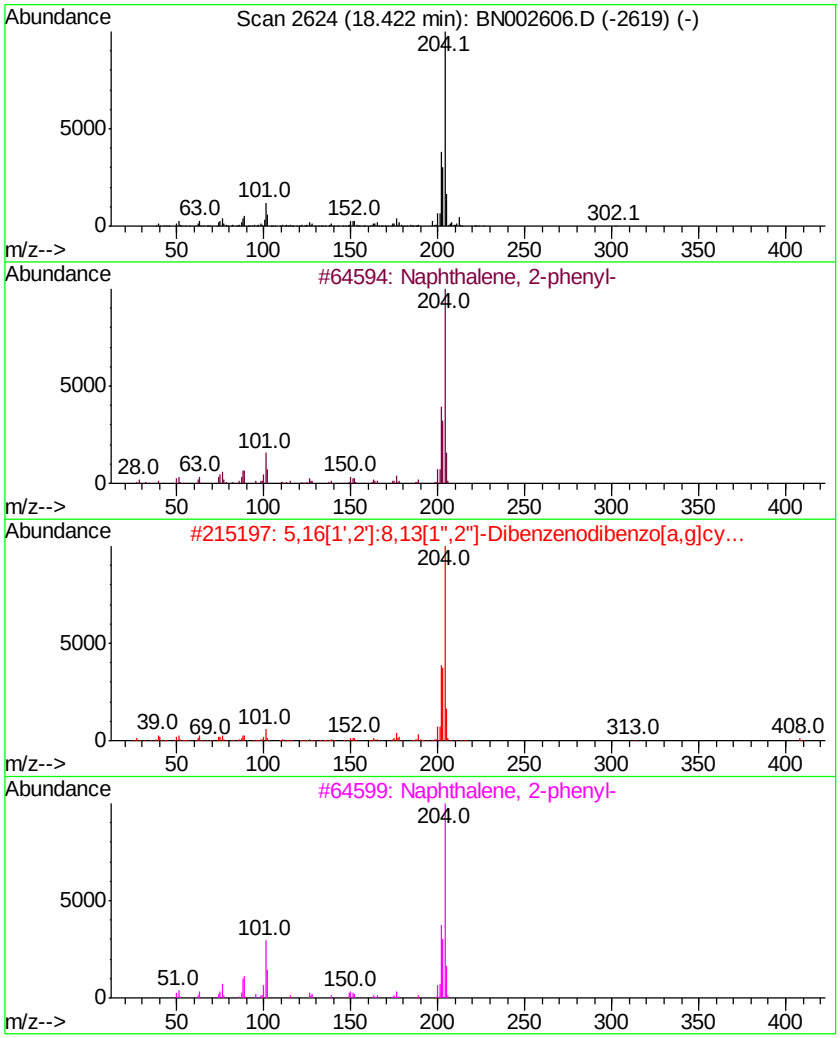

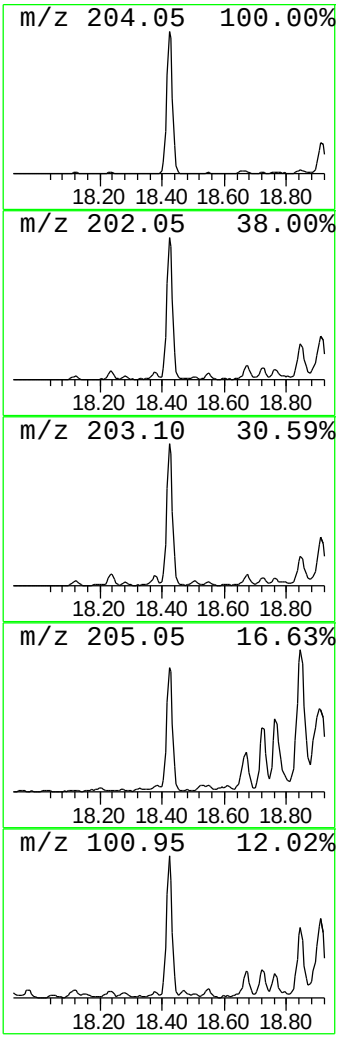

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Quant Title : SVOA CALIBRATION

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

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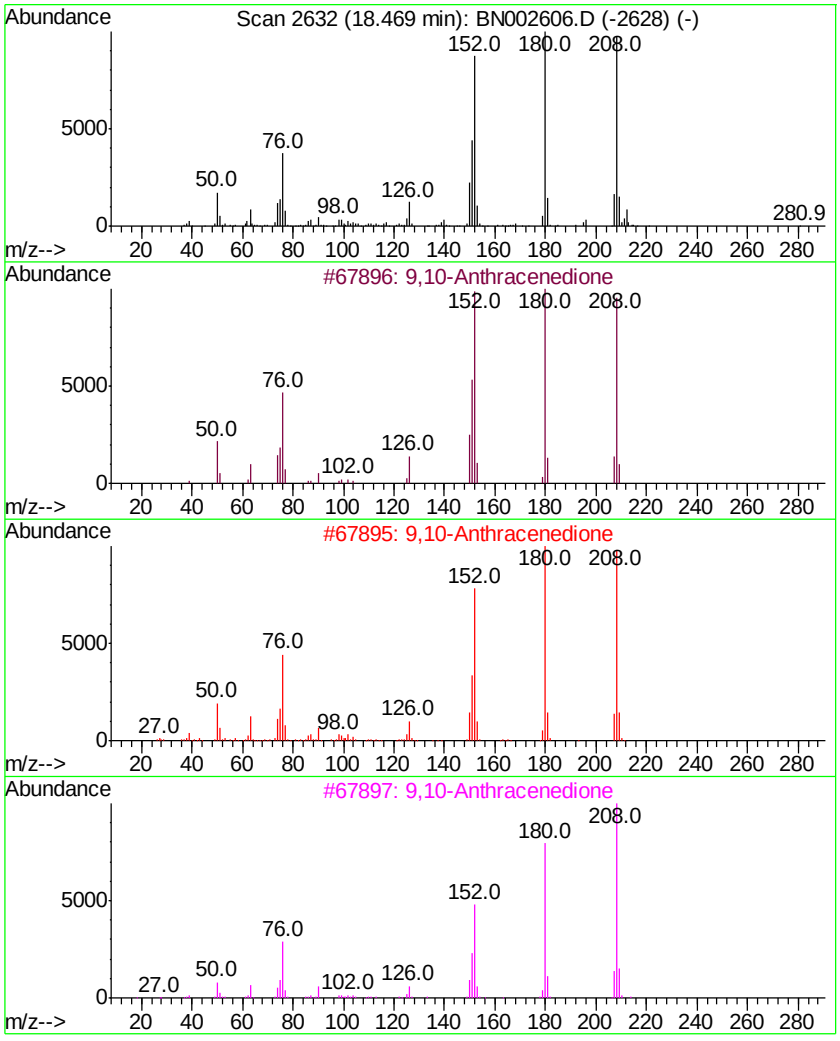
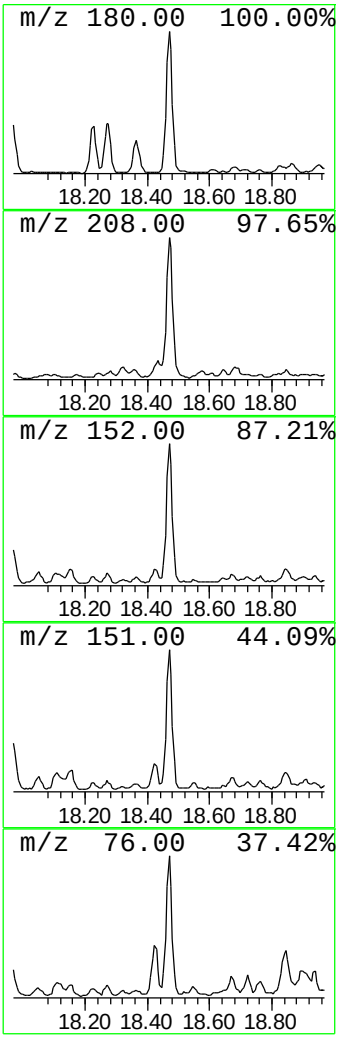
Peak Number 16 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	6.24 ng/ul	1003770	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	92
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





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

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Peak Number 17 Phenanthrene, 4,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.67	3.92 ng/ul	631410	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	95
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
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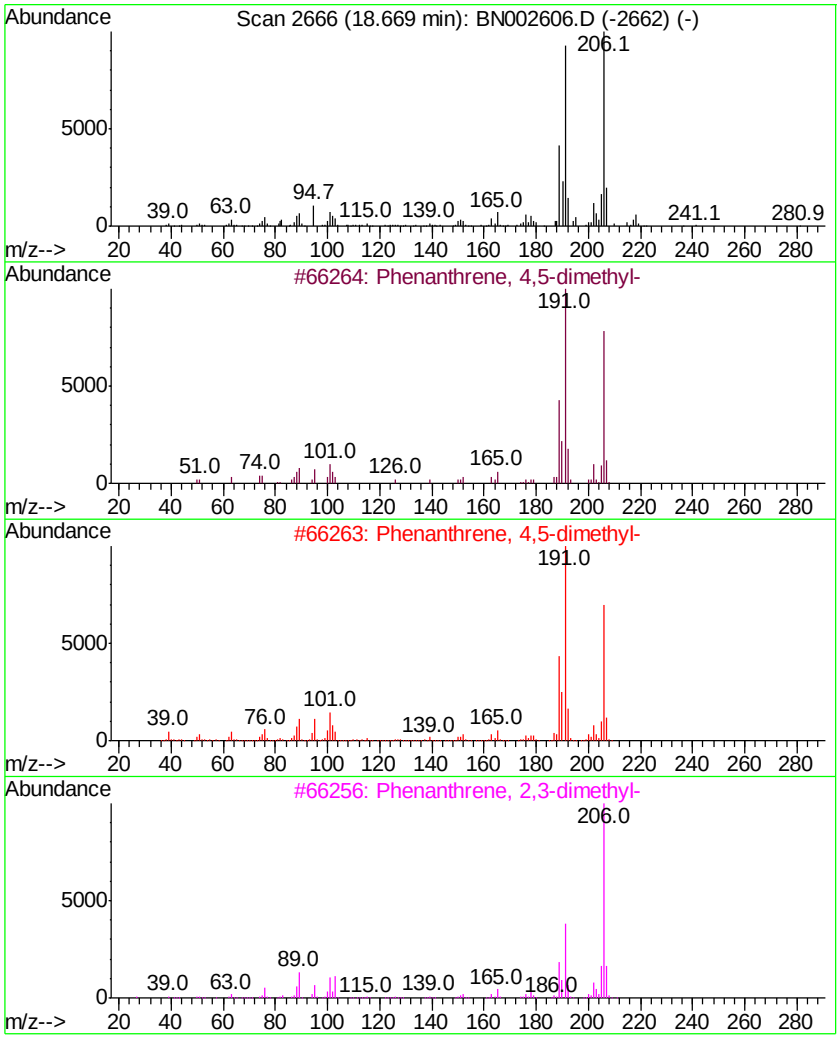

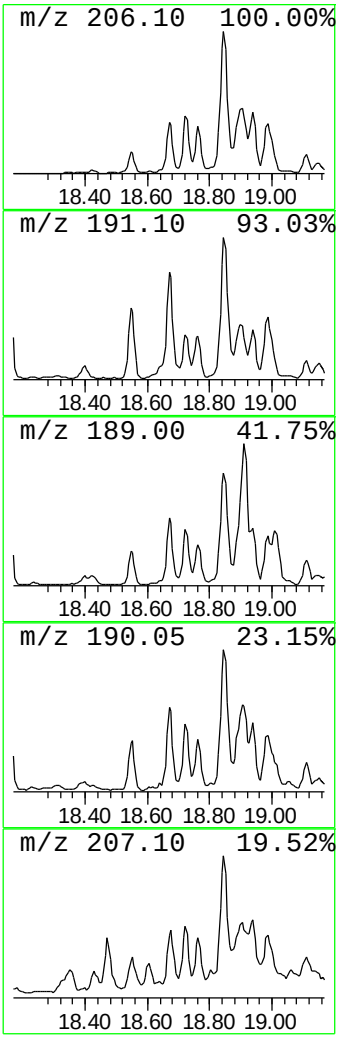

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Quant Title : SVOA CALIBRATION

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

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Peak Number 18 Phenanthrene, 3,6-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	2.73 ng/ul	439383	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
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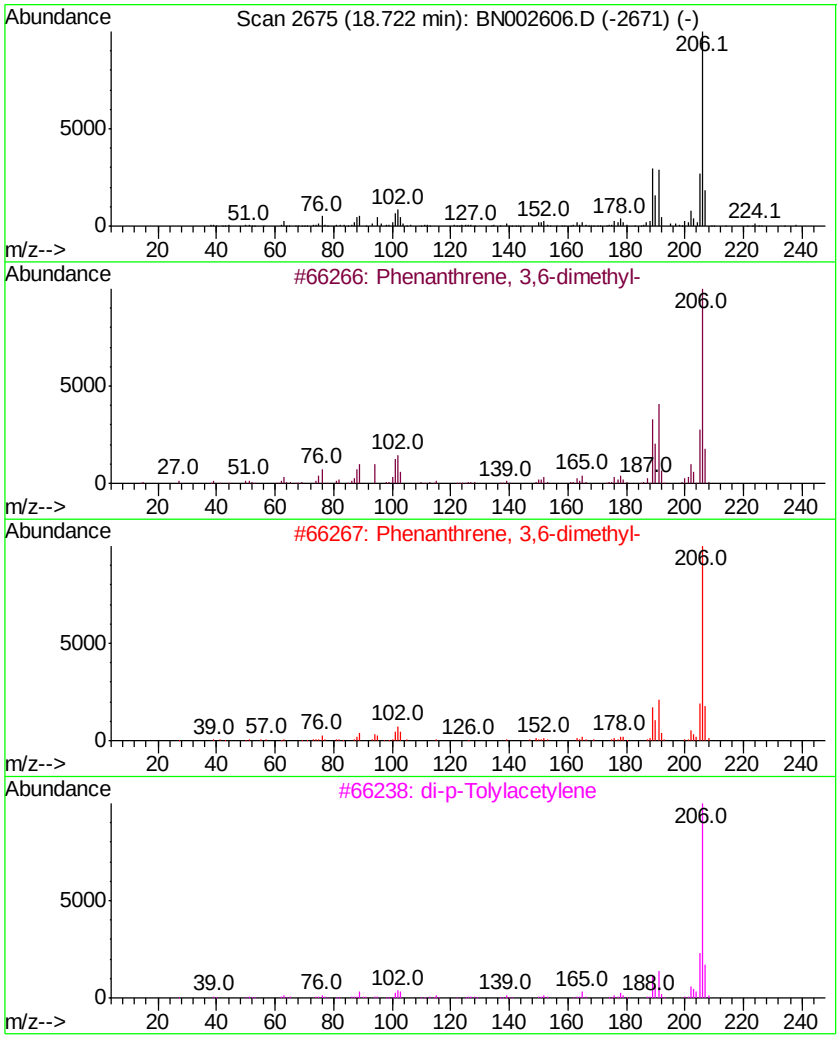

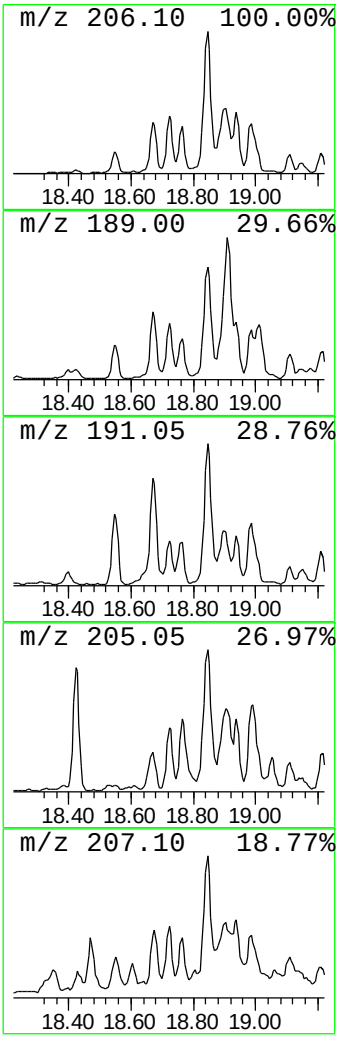

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Quant Title : SVOA CALIBRATION

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

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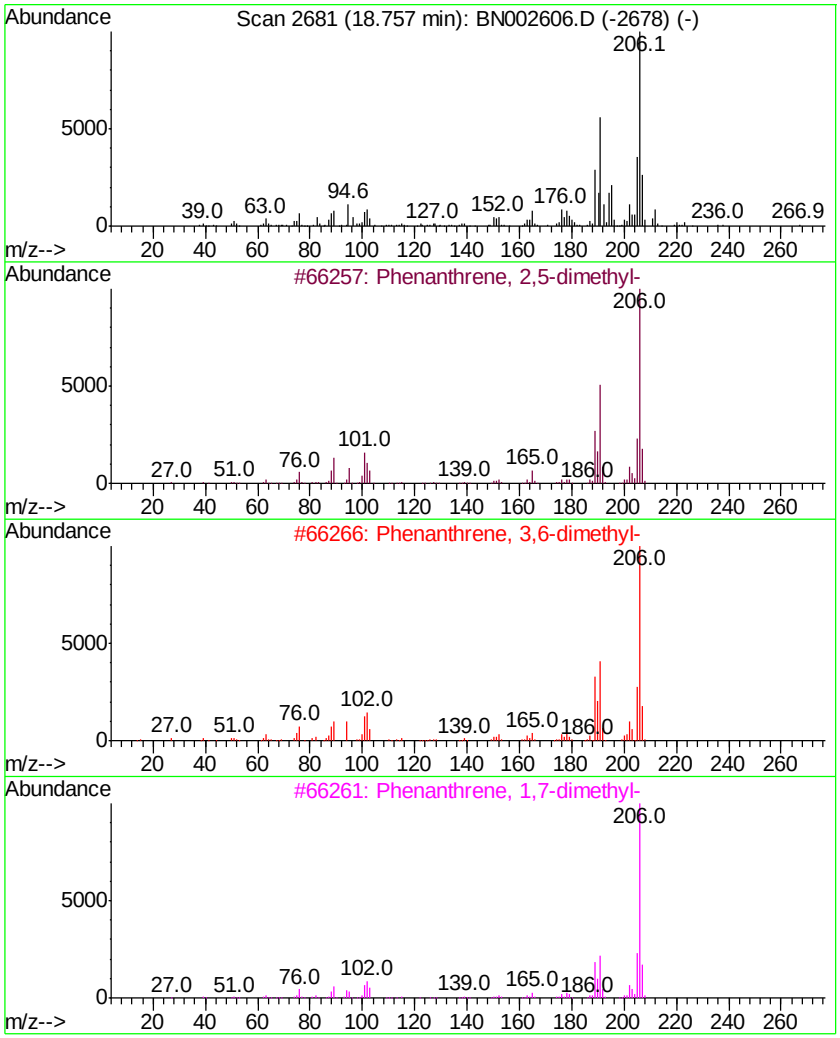
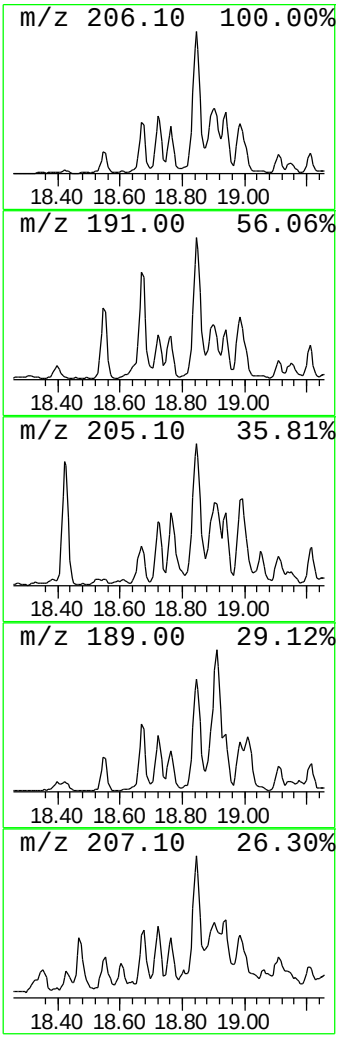
Peak Number 19 Phenanthrene, 2,5-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.76	3.20 ng/ul	515528	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	83
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	83





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

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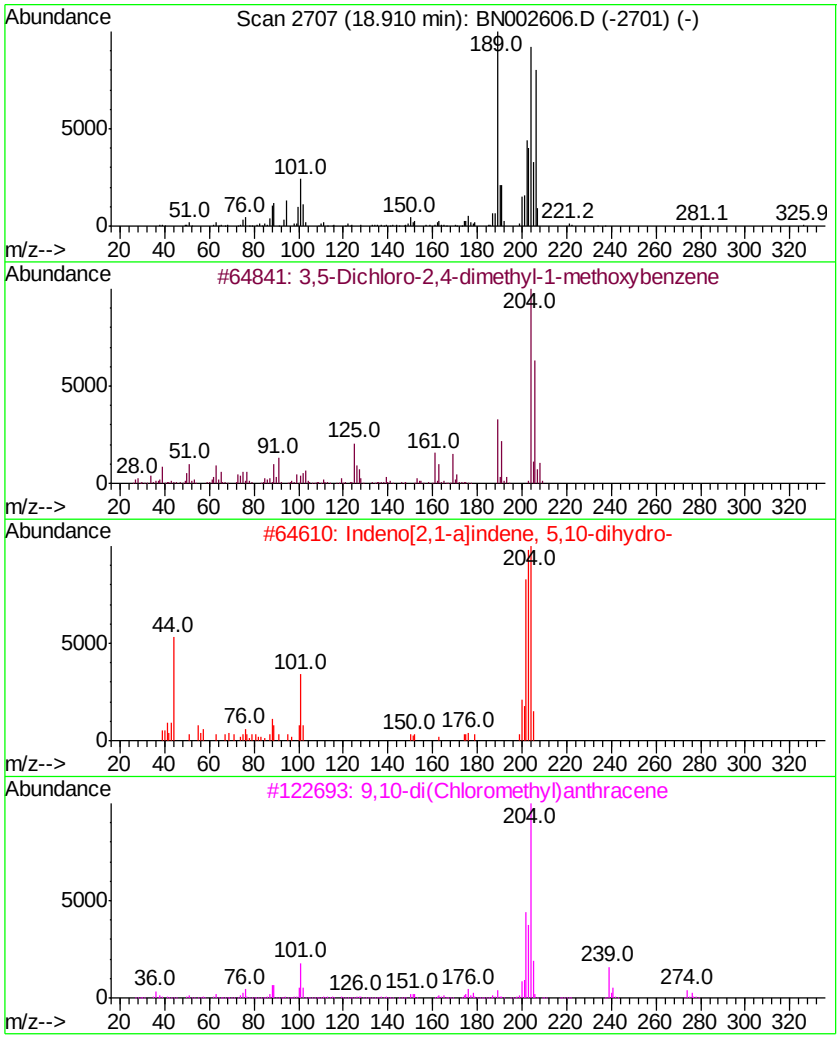
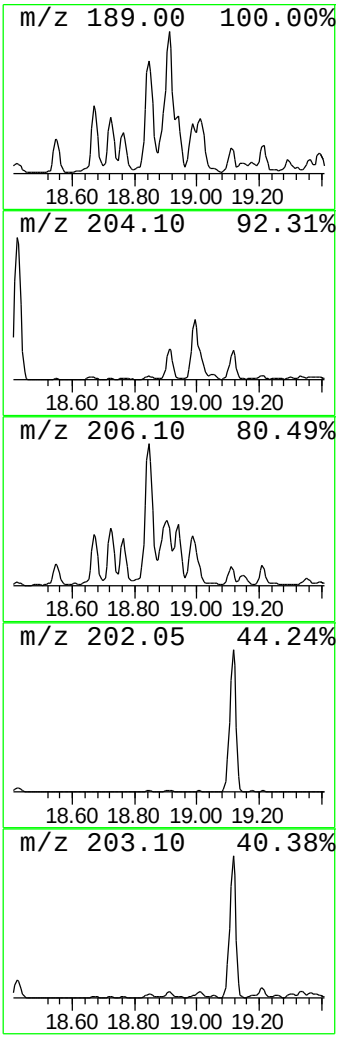
Peak Number 21 unknown-01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	8.28 ng/ul	1332260	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dichloro-2,4-dimethyl-1-meth...	204	C9H10Cl2O	1000250-17-8	43
2	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	42
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	38
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35





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ClientSampleId : A3YY6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

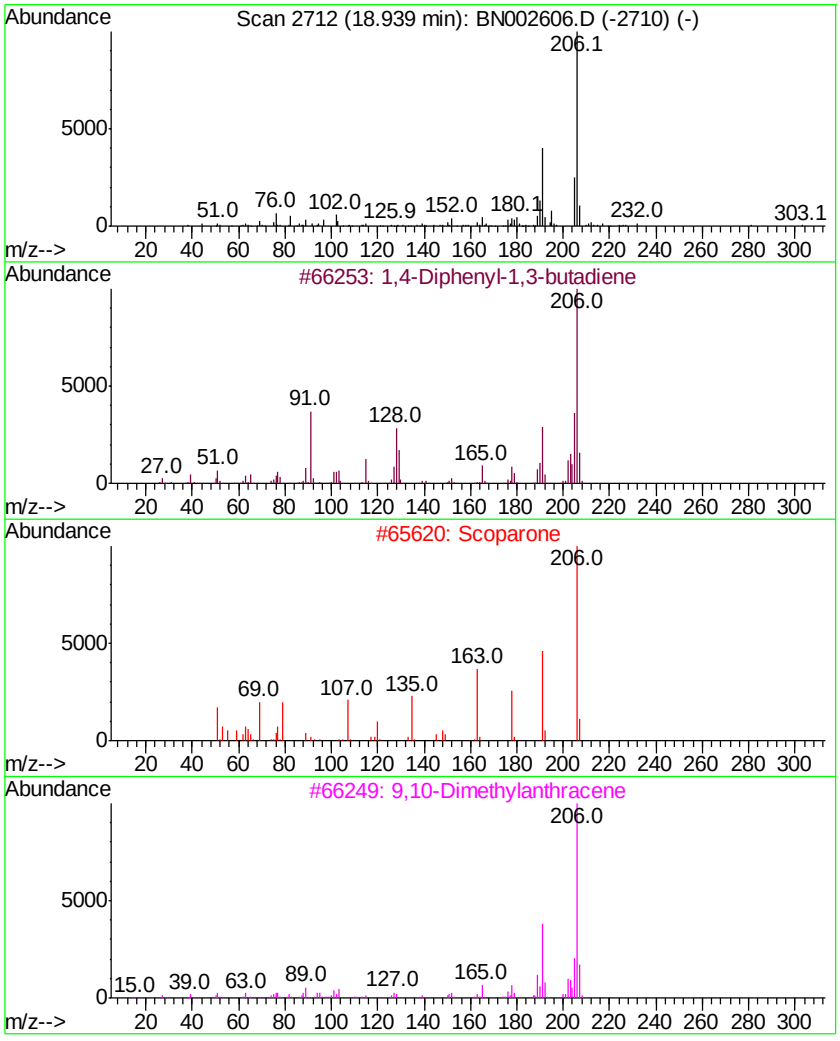
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

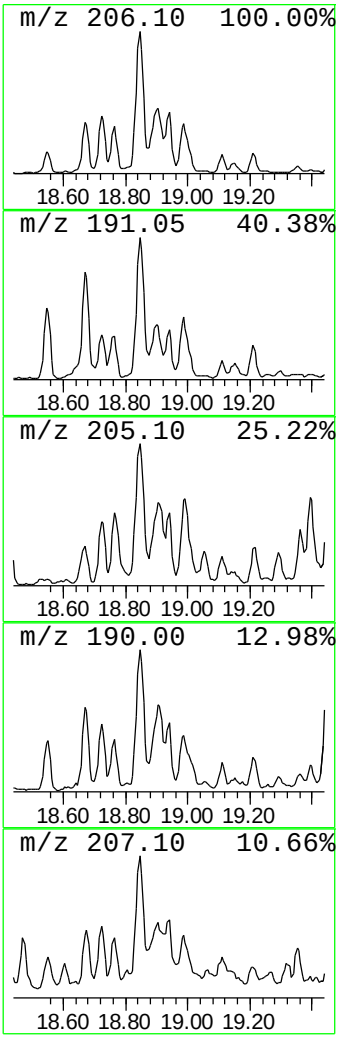
****

Peak Number 22 1,4-Diphenyl-1,3-butadiene Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	2.40 ng/ul	386268	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	72
2	Scoparone	206	C11H10O4	000120-08-1	64
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	64
4	Scoparone	206	C11H10O4	000120-08-1	59
5	2H,6H-Pyrido[2,1-b]-1,3-thiazine...	206	C10H10N2OS	1000277-29-6	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090518\
Data File : BN002606.D
Acq On : 06 Sep 2018 06:33
Operator : JU/SJ
Sample : J4688-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

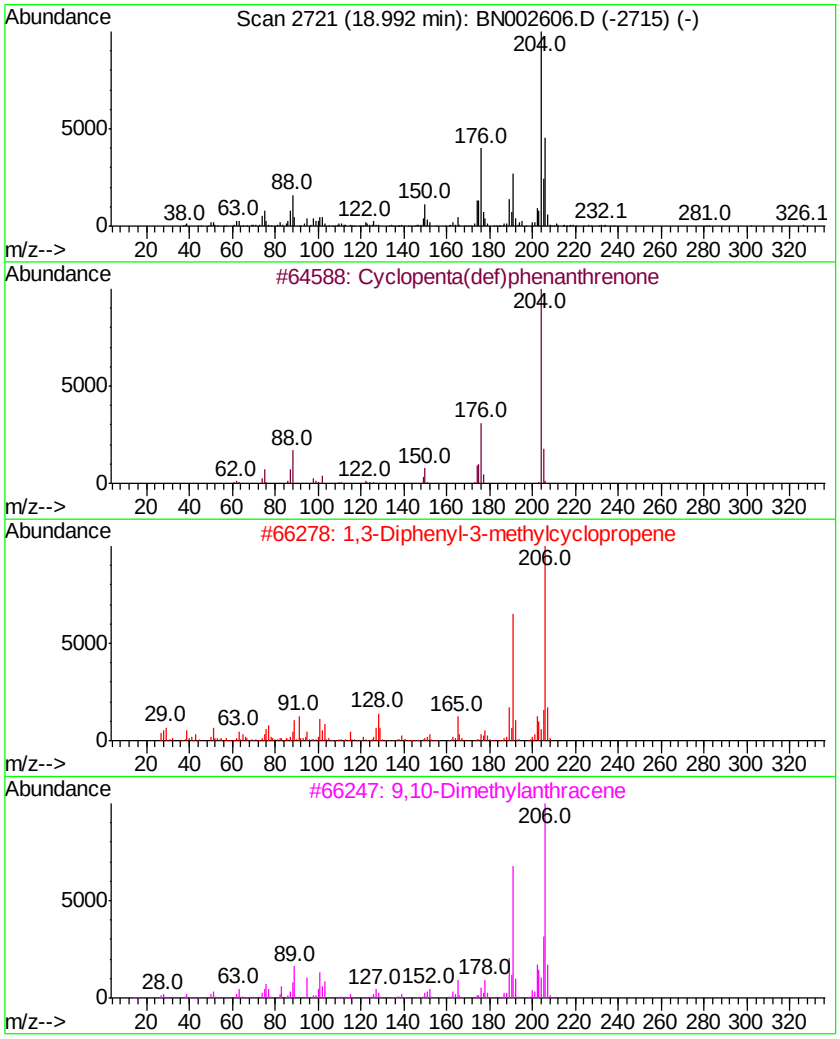
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

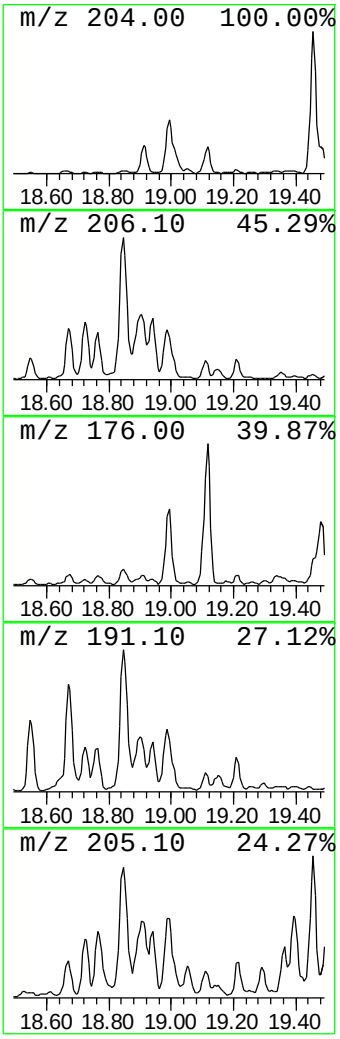
****

Peak Number 23 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	8.98 ng/ul	1445390	Phenanthrene-d10	17.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	83
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	81
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	42
5	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	38





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Operator : JU/SJ
Sample : J4688-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY6

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Quant Title : SVOA CALIBRATION

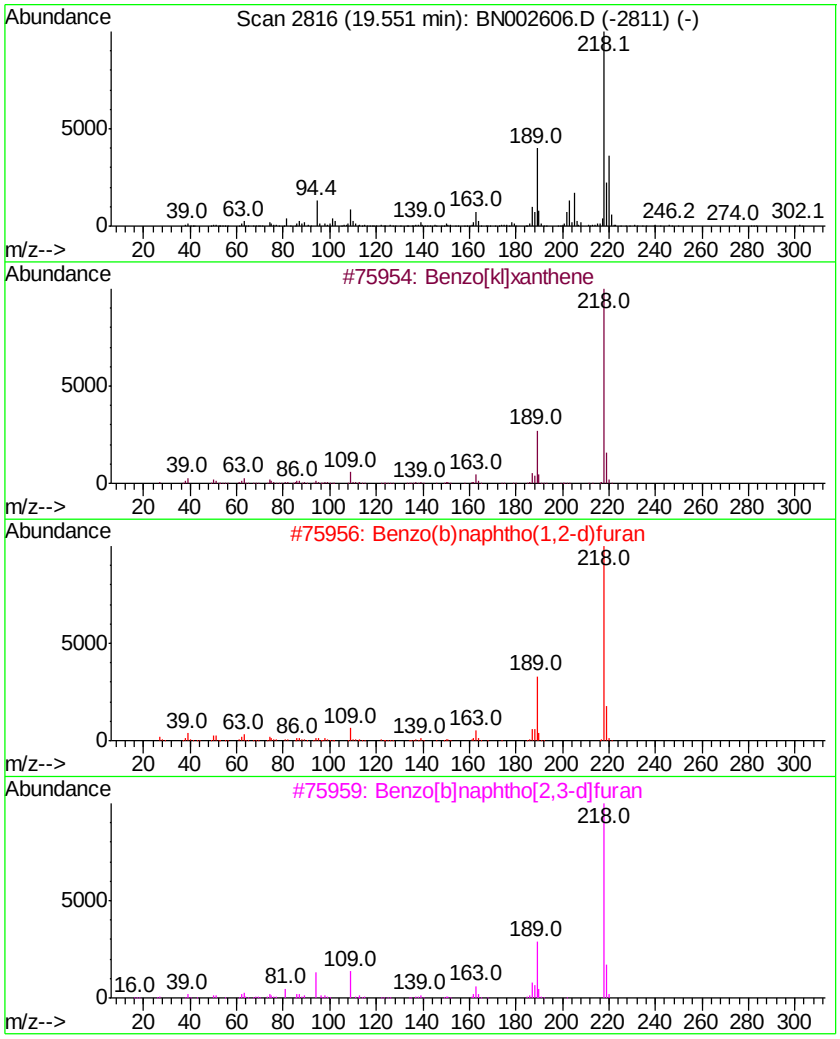
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

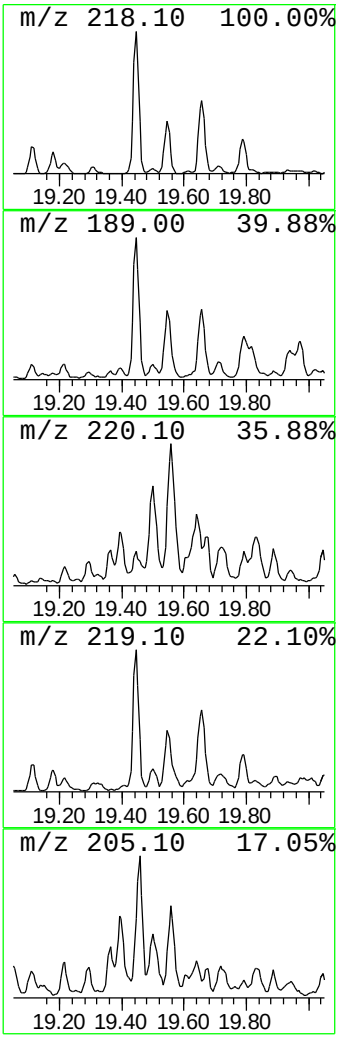
****

Peak Number 24 Benzo[kl]xanthene Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.55	2.04 ng/ul	1223930	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[kl]xanthene	218	C16H10O	000200-23-7	95
2	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	95
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	91
4	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	90
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	90





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Acq On : 06 Sep 2018 06:33
Operator : JU/SJ
Sample : J4688-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY6

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Quant Title : SVOA CALIBRATION

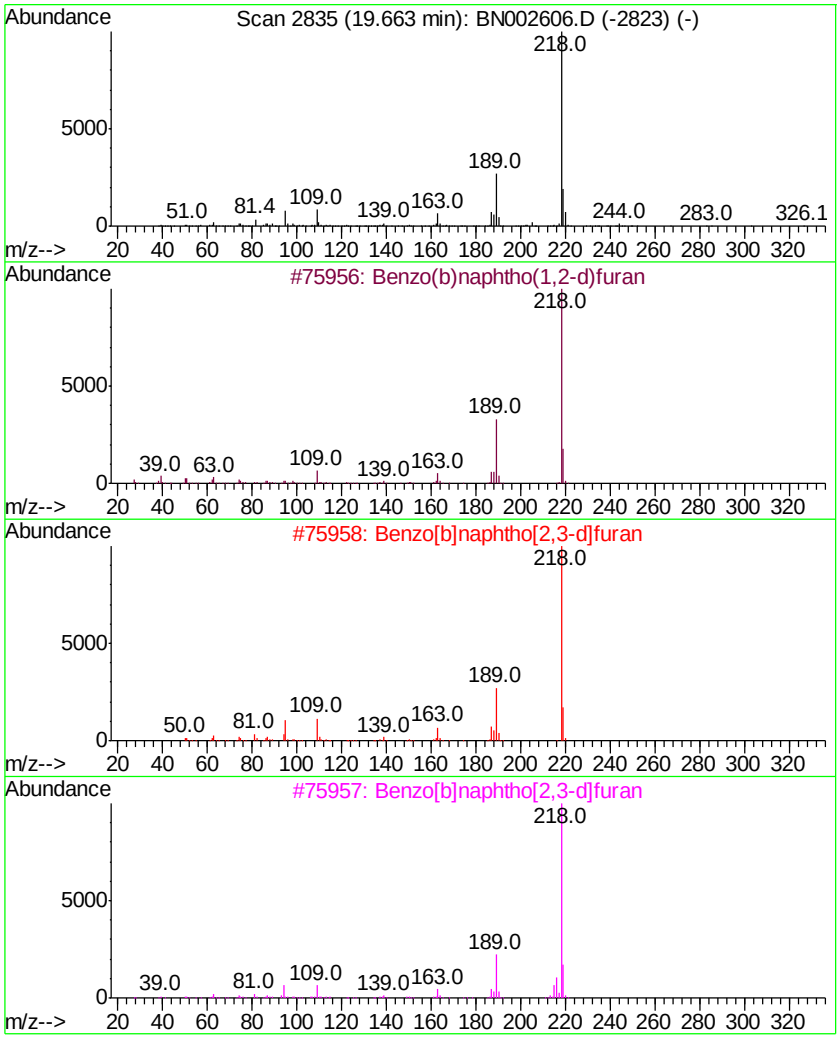
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

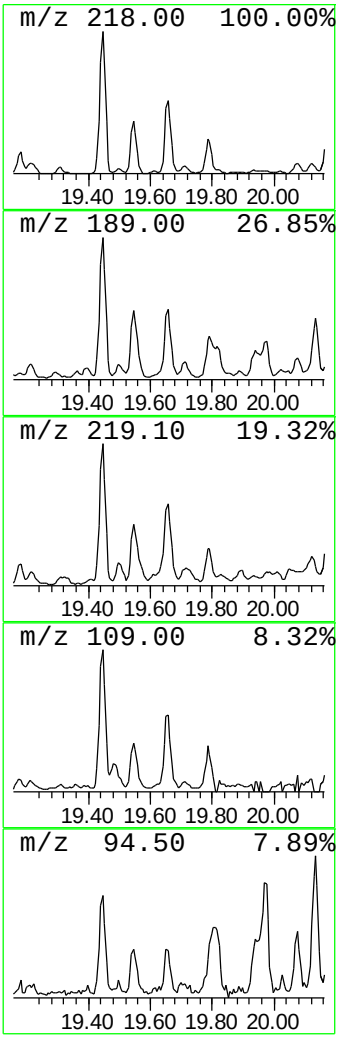
****

Peak Number 25 Benzo(b)naphtho(1,2-d)furan Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.66	2.41 ng/ul	1448650	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	97
2	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	95
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
5	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	91





Library Search Compound Report

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Acq On : 06 Sep 2018 06:33
Operator : JU/SJ
Sample : J4688-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY6

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Quant Title : SVOA CALIBRATION

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

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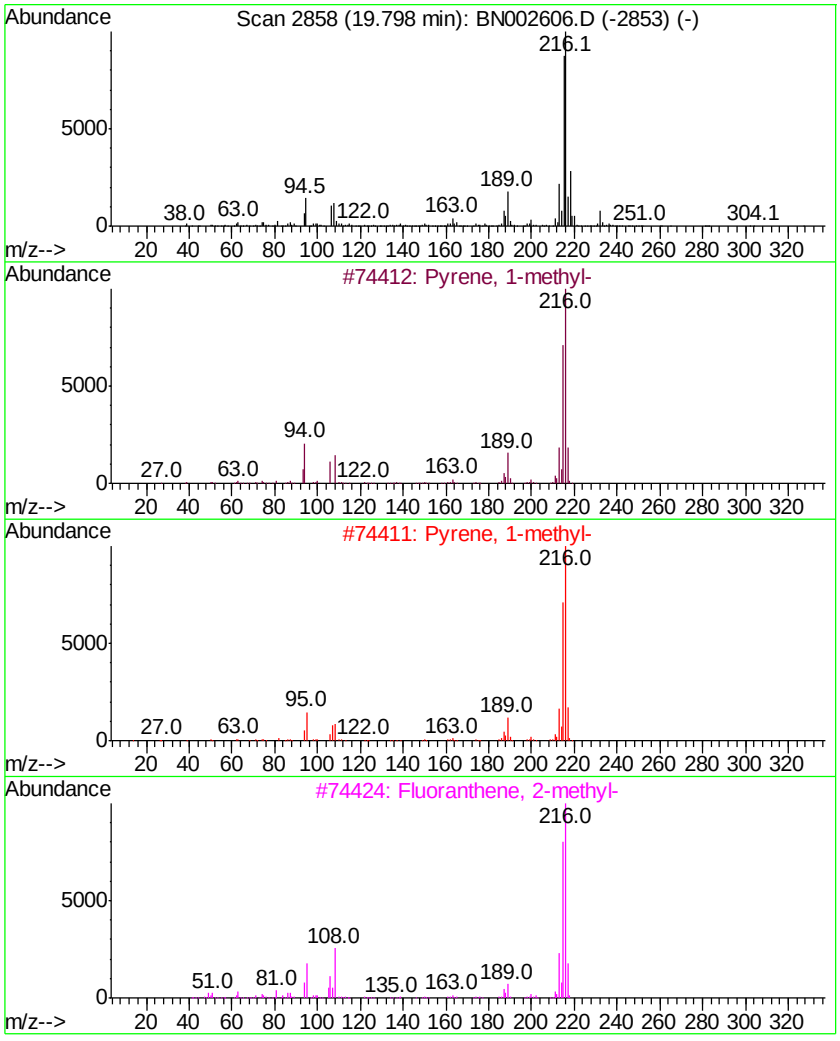
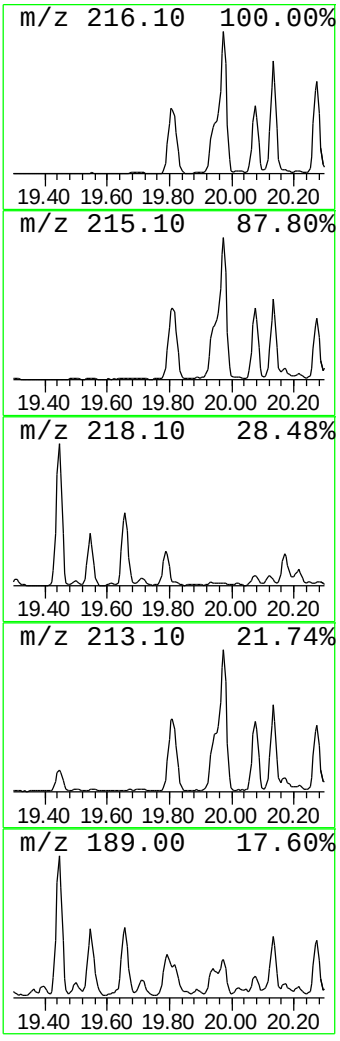
Peak Number 26 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.80	4.00 ng/ul	2405580	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91





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Acq On : 06 Sep 2018 06:33
Operator : JU/SJ
Sample : J4688-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SOM-EPA-BN081318MA.M
Quant Title : SVOA CALIBRATION

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

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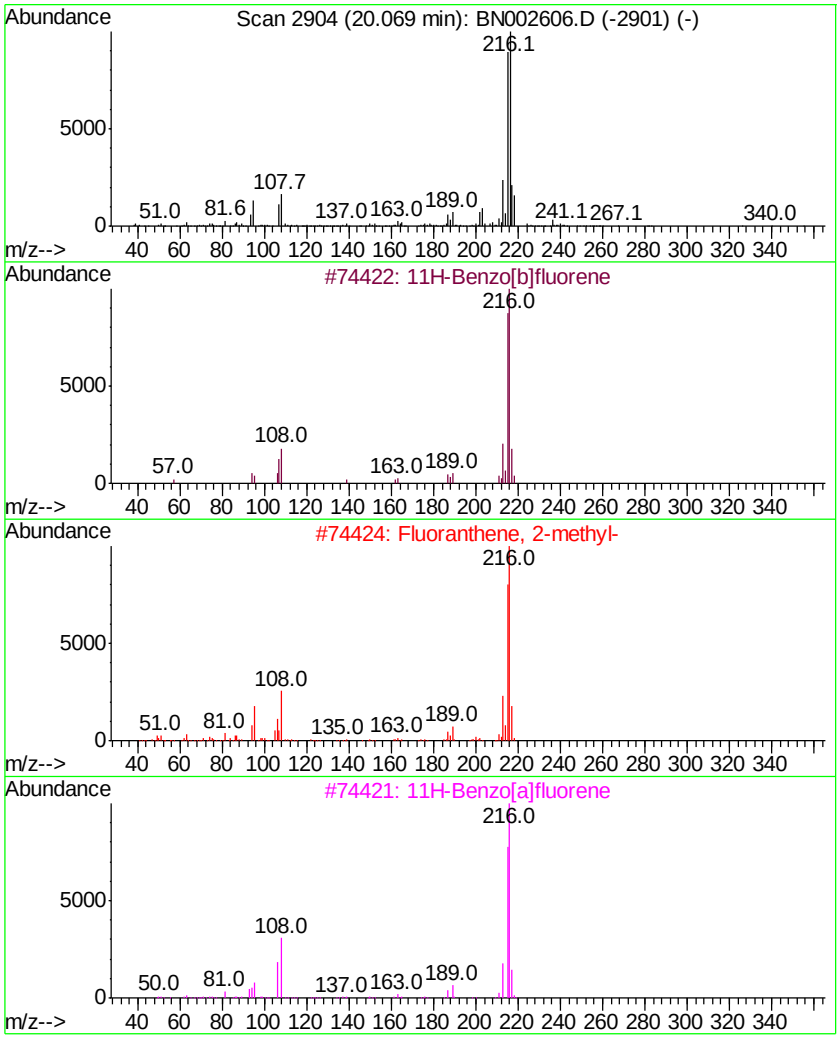
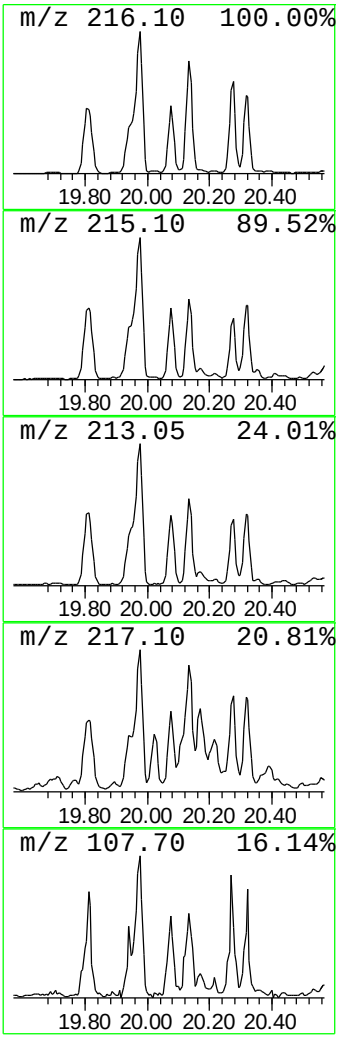
Peak Number 29 11H-Benzo[b]fluorene Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.07	2.13 ng/ul	1281630	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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Acq On : 06 Sep 2018 06:33
Operator : JU/SJ
Sample : J4688-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY6

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Quant Title : SVOA CALIBRATION

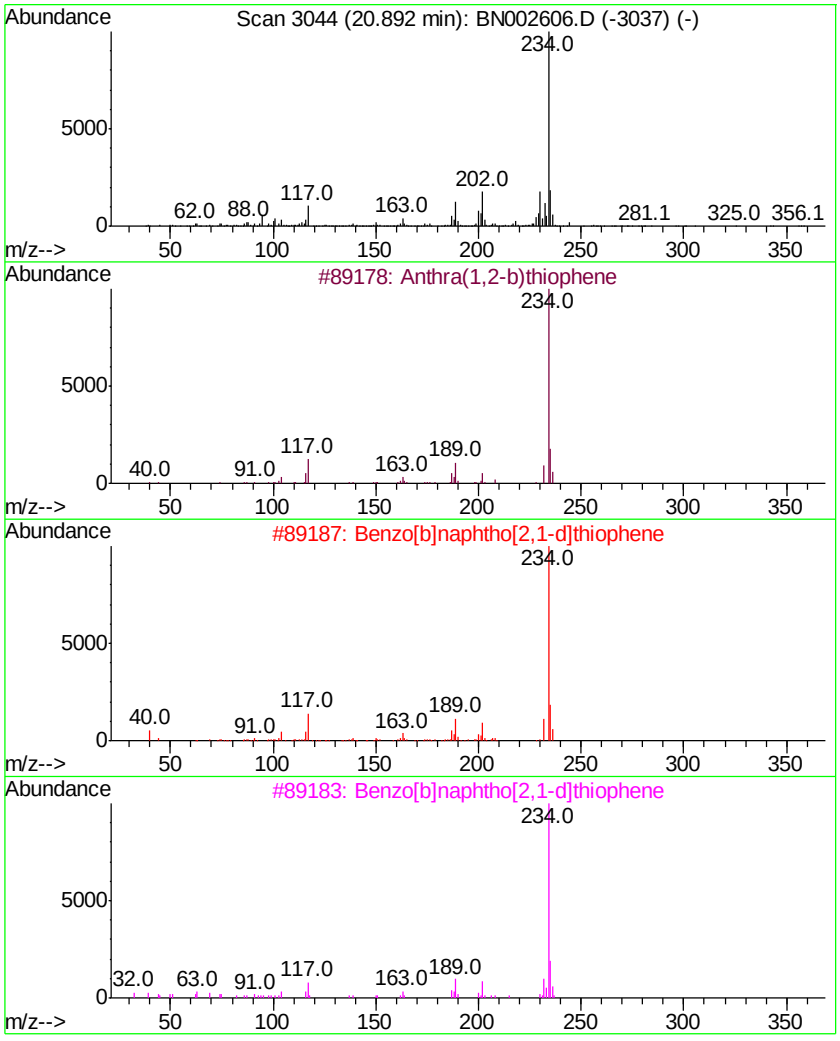
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

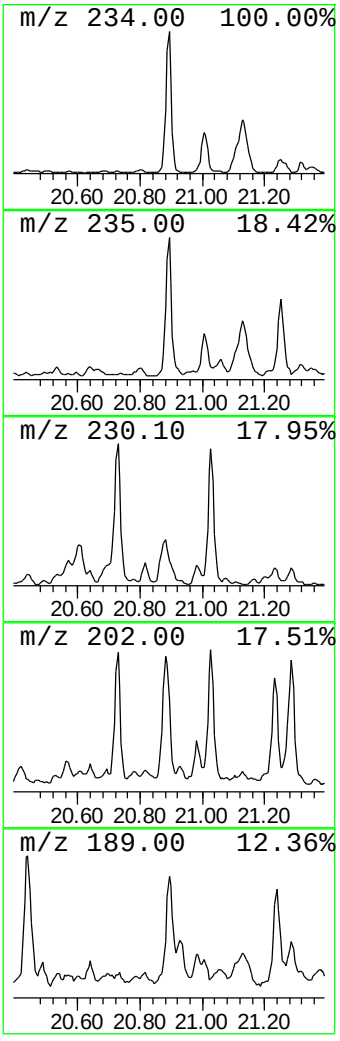
****

Peak Number 34 Anthra(1,2-b)thiophene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.89	2.97 ng/ul	1787580	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	97
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	70





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Operator : JU/SJ
Sample : J4688-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A3YY6

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Quant Title : SVOA CALIBRATION

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

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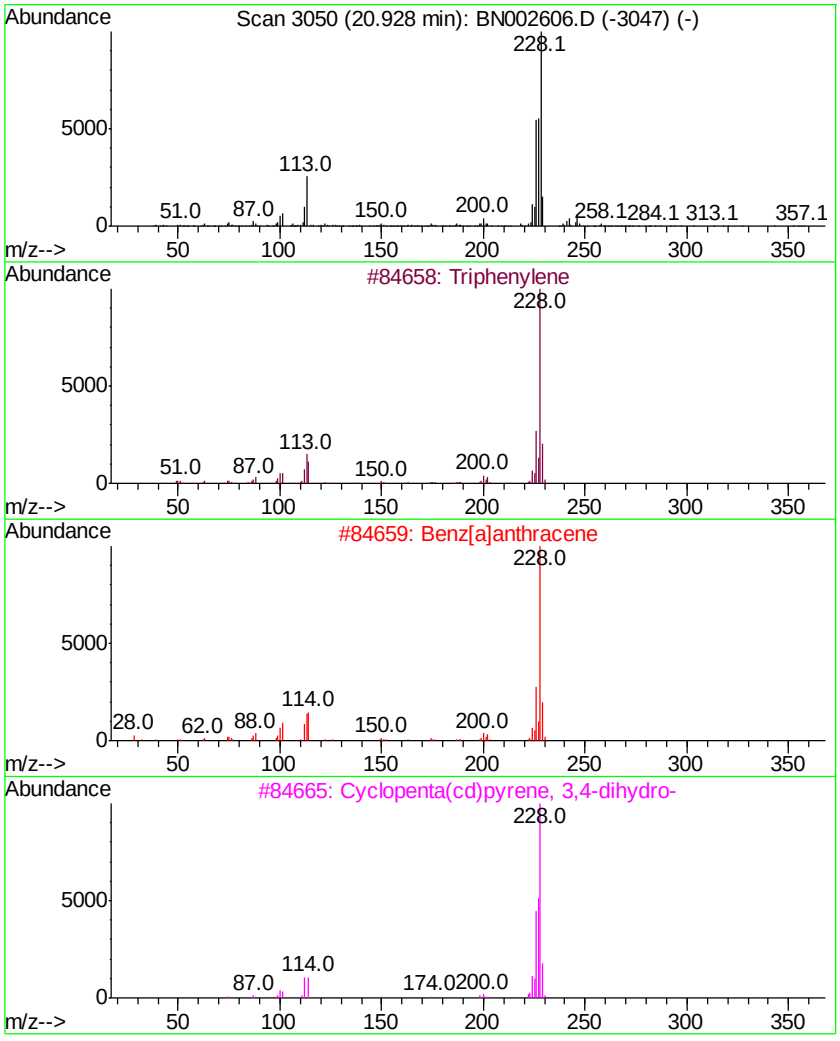
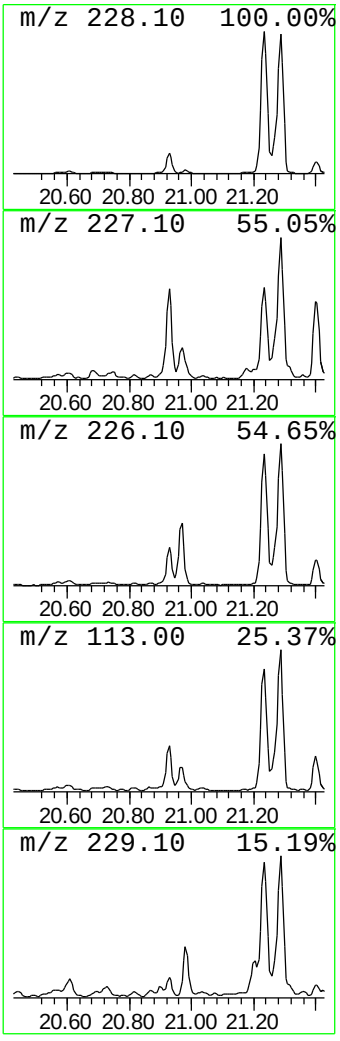
Peak Number 35 Triphenylene Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	2.44 ng/ul	1468730	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene	228	C18H12	000217-59-4	55
2	Benz[a]anthracene	228	C18H12	000056-55-3	50
3	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	46
4	Triphenylene	228	C18H12	000217-59-4	43
5	Chrysene	228	C18H12	000218-01-9	43





Library Search Compound Report

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Sample : J4688-08 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

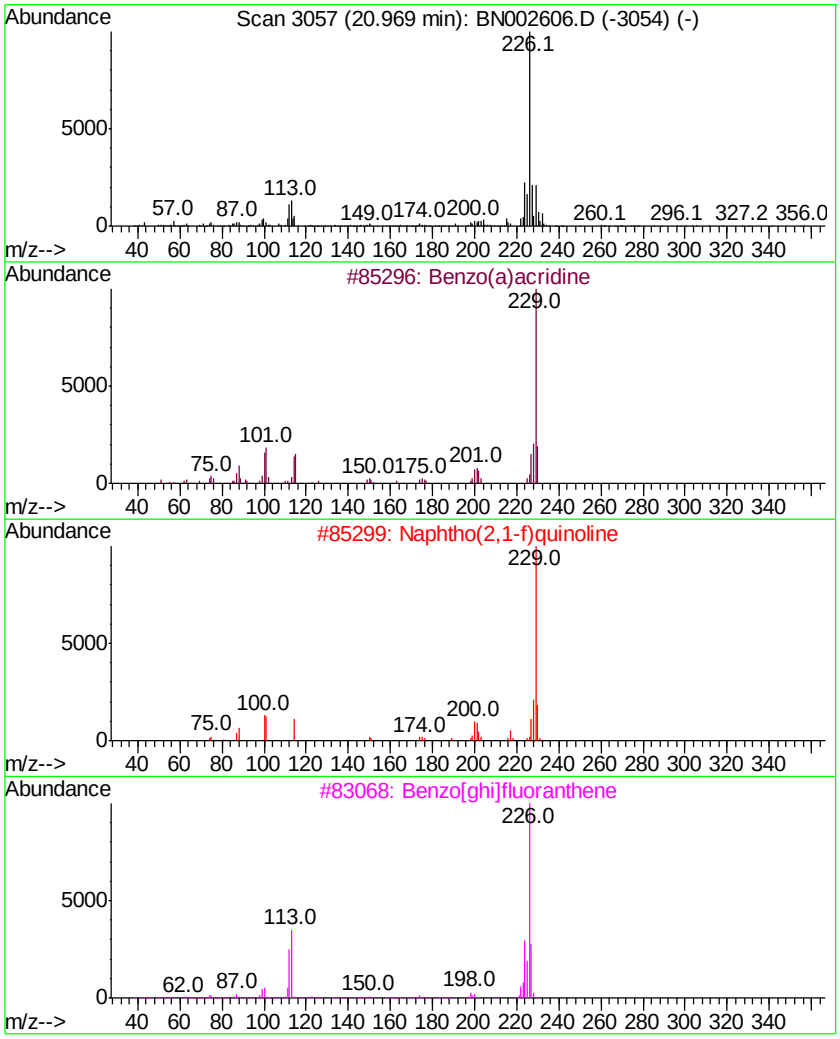
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

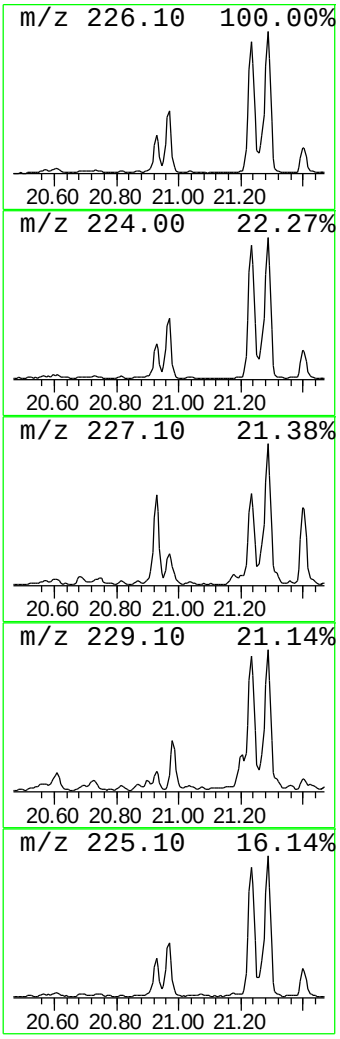
****

Peak Number 36 unknown-02 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	2.51 ng/ul	1510310	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(a)acridine	229	C17H11N	000225-11-6	38
2	Naphtho(2,1-f)quinoline	229	C17H11N	000218-08-6	35
3	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	30
4	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	30
5	Benz[c]acridine	229	C17H11N	000225-51-4	27





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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

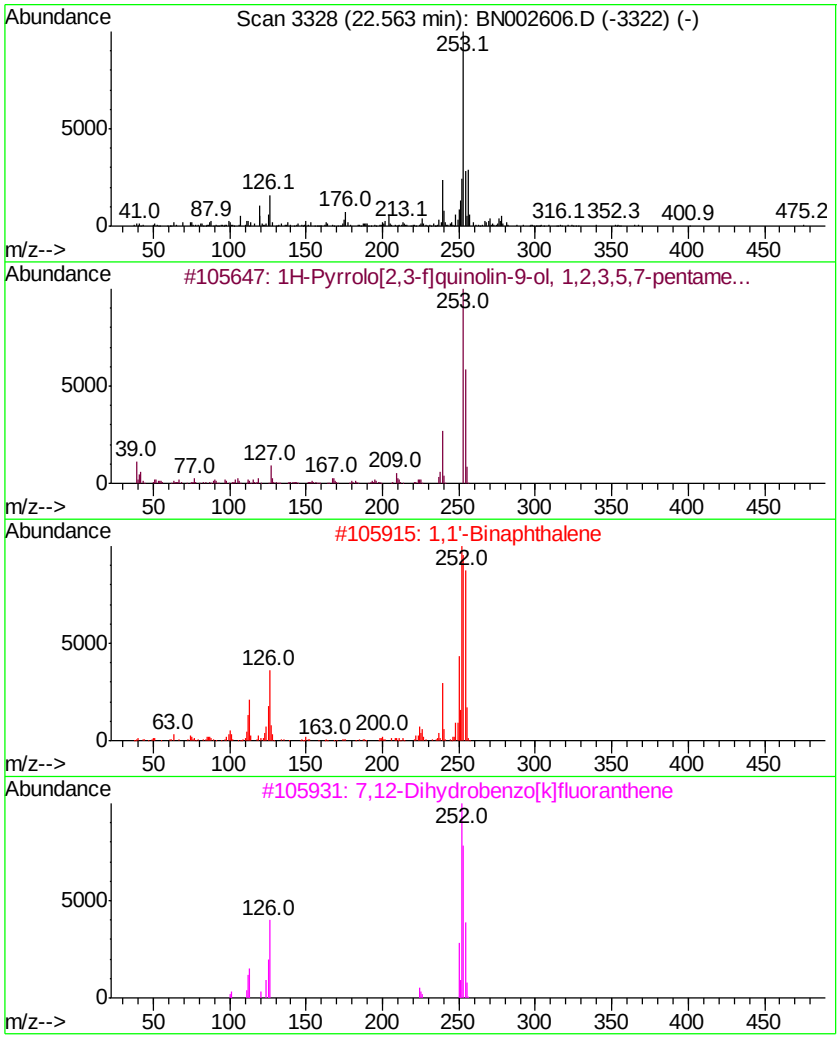
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

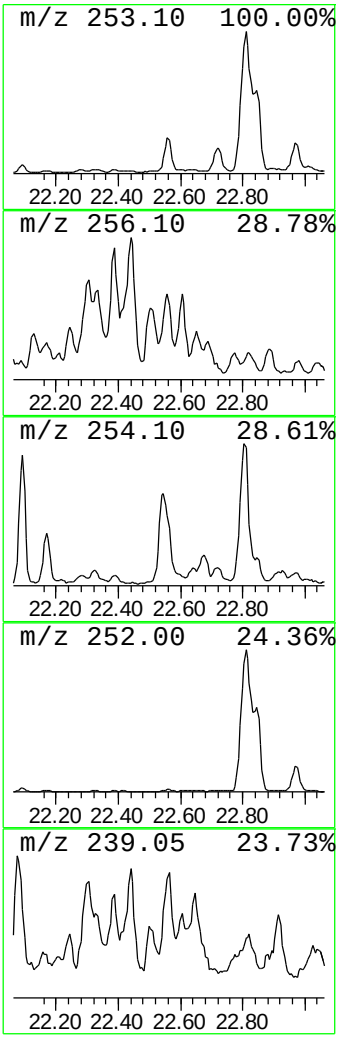
****

Peak Number 39 1H-Pyrrolo[2,3-f]quinolin-9... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.56	4.39 ng/ul	505499	Perylene-d12	23.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Pyrrolo[2,3-f]quinolin-9-ol, ...	254	C16H18N2O	1000303-71-9	52
2	1,1'-Binaphthalene	254	C20H14	000604-53-5	50
3	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	49
4	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	46
5	Imidazole, 2-iodo-5-methyl-4-nitro-	253	C4H4IN3O2	149510-86-1	42





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

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

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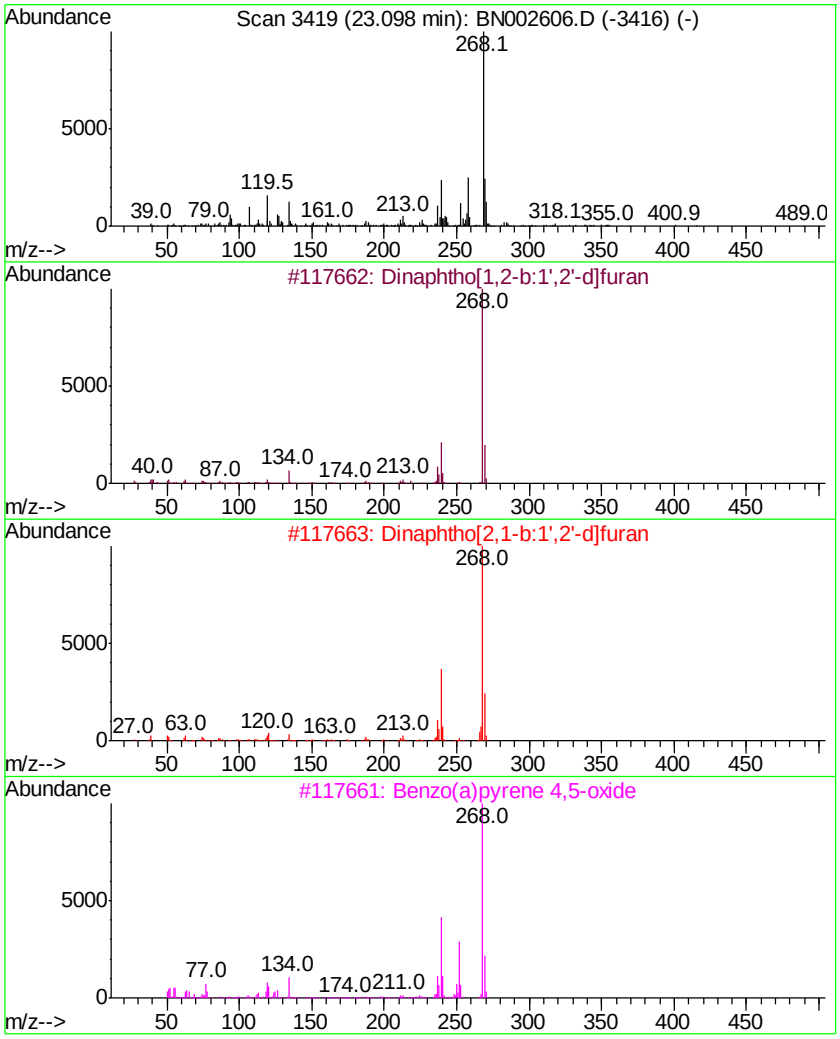
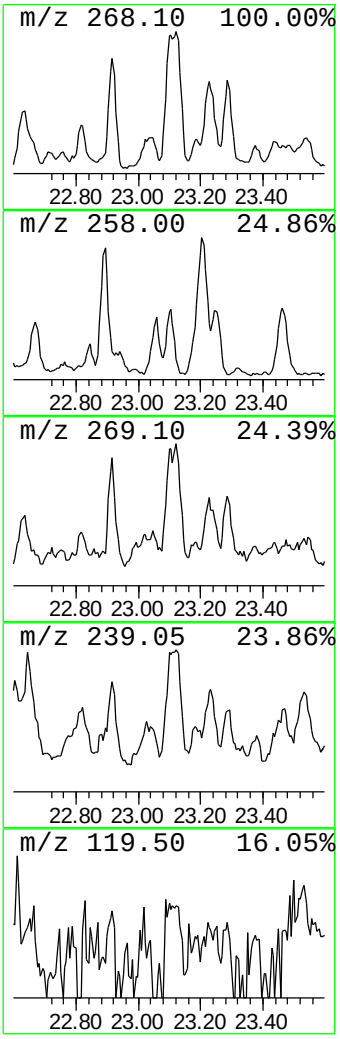
Peak Number 41 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.10	3.75 ng/ul	431048	Perylene-d12	23.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	76
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	68
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	64
4	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	58
5	2,2'-Bibenzothiazole	268	C14H8N2S2	004271-09-4	53





Tentatively Identified Compound (LSC) summary

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Sample : J4688-08 10X
Misc :
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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
9H-Fluoren-9-ol	15.64	2.9	ng/ul	394073	3	14.29	2757840	20.0
[1,1'-Biphenyl]-4...	15.79	3.3	ng/ul	527448	4	17.05	3218590	20.0
9H-Fluoren-9-one	16.70	3.7	ng/ul	596372	4	17.05	3218590	20.0
Anthracene, 1,2,3...	16.80	5.4	ng/ul	867882	4	17.05	3218590	20.0
Dibenzothiophene	16.86	6.2	ng/ul	991017	4	17.05	3218590	20.0
Benzo[h]quinoline	17.23	2.9	ng/ul	472028	4	17.05	3218590	20.0
Naphthalene, 1-ph...	17.56	2.1	ng/ul	340646	4	17.05	3218590	20.0
Dibenzothiophene,...	17.63	2.6	ng/ul	426245	4	17.05	3218590	20.0
1-Methyldibenzoth...	17.76	2.3	ng/ul	365832	4	17.05	3218590	20.0
Phenanthrene, 2-m...	17.92	17.7	ng/ul	2848800	4	17.05	3218590	20.0
Naphthalene, 2-ph...	18.42	9.3	ng/ul	1495330	4	17.05	3218590	20.0
9,10-Anthracenedione	18.47	6.2	ng/ul	1003770	4	17.05	3218590	20.0
Phenanthrene, 4,5...	18.67	3.9	ng/ul	631410	4	17.05	3218590	20.0
Phenanthrene, 3,6...	18.72	2.7	ng/ul	439383	4	17.05	3218590	20.0
Phenanthrene, 2,5...	18.76	3.2	ng/ul	515528	4	17.05	3218590	20.0
unknown-01	18.91	8.3	ng/ul	1332260	4	17.05	3218590	20.0
1,4-Diphenyl-1,3-...	18.94	2.4	ng/ul	386268	4	17.05	3218590	20.0
Cyclopenta(def)ph...	18.99	9.0	ng/ul	1445390	4	17.05	3218590	20.0
Benzo[kl]xanthene	19.55	2.0	ng/ul	1223930	5	21.25	12023300	20.0
Benzo(b)naphtho(1...	19.66	2.4	ng/ul	1448650	5	21.25	12023300	20.0
Pyrene, 1-methyl-	19.80	4.0	ng/ul	2405580	5	21.25	12023300	20.0
11H-Benzo[b]fluorene	20.07	2.1	ng/ul	1281630	5	21.25	12023300	20.0
Anthra(1,2-b)thio...	20.89	3.0	ng/ul	1787580	5	21.25	12023300	20.0
Triphenylene	20.93	2.4	ng/ul	1468730	5	21.25	12023300	20.0
unknown-02	20.97	2.5	ng/ul	1510310	5	21.25	12023300	20.0
1H-Pyrrolo[2,3-f]...	22.56	4.4	ng/ul	505499	6	23.46	2301200	20.0
Dinaphtho[1,2-b:1...	23.10	3.8	ng/ul	431048	6	23.46	2301200	20.0