LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091719\
Data File : BN007697.D
Acq On : 17 Sep 2019 15:19
Operator : HP/JU
Sample : K4633-08DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D06DL

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-BN091619MA.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.017	3	5	30	rVB	7125845	8516760	22.55%	1.706%
2	6.875	655	661	671	rBV2	470864	911657	2.41%	0.183%
3	7.240	717	723	732	rVB	509261	813662	2.15%	0.163%
4	7.705	795	802	810	rBV	2149717	3458205	9.16%	0.693%
5	8.399	913	920	927	rBV	576499	930124	2.46%	0.186%
6	8.846	988	996	1007	rBV	440514	776472	2.06%	0.156%
7	10.093	1201	1208	1217	rBV	602949	1007705	2.67%	0.202%
8	10.475	1263	1273	1278	rBV	3086765	5179172	13.71%	1.037%
9	13.740	1823	1828	1832	rVV	1112333	1515953	4.01%	0.304%
10	13.787	1832	1836	1842	rVB	479775	655377	1.74%	0.131%
11	14.016	1867	1875	1892	rBV2	1268806	1970586	5.22%	0.395%
12	14.328	1921	1928	1934	rBV2	5074745	7396799	19.59%	1.482%
13	14.393	1934	1939	1947	rVV	780095	1120894	2.97%	0.225%
14	15.322	2091	2097	2102	rBV	1700241	2390752	6.33%	0.479%
15	16.728	2331	2336	2345	rVB	541053	785635	2.08%	0.157%
16	16.892	2359	2364	2371	rVB	553497	806178	2.13%	0.161%
17	17.075	2389	2395	2398	rVV2	6333707	8939278	23.67%	1.791%
18	17.116	2398	2402	2407	rVV	9593259	13181483	34.90%	2.640%
19	17.169	2407	2411	2414	rVV	2001417	2864030	7.58%	0.574%
20	17.204	2414	2417	2423	rVV	1633539	2157582	5.71%	0.432%
21	17.475	2453	2463	2468	rBV2	1448906	2429473	6.43%	0.487%
22	17.951	2534	2544	2548	rBV	1563683	2398067	6.35%	0.480%
23	17.998	2548	2552	2560	rVB	2447916	3395834	8.99%	0.680%
24	18.081	2560	2566	2571	rBV	442222	730488	1.93%	0.146%
25	18.145	2571	2577	2581	rVV2	1472826	2708872	7.17%	0.543%
26	18.181	2581	2583	2588	rVV	809147	964287	2.55%	0.193%
27	18.451	2625	2629	2632	rVV	964280	1388959	3.68%	0.278%
28	18.486	2632	2635	2648	rVB2	1233469	2202427	5.83%	0.441%
29	18.704	2664	2672	2676	rBV2	658073	1028460	2.72%	0.206%
30	18.757	2676	2681	2684	rBV	876822	1137355	3.01%	0.228%
31	18.792	2684	2687	2692	rVB	782450	1036368	2.74%	0.208%
32	18.875	2696	2701	2706	rBV	1125685	1846617	4.89%	0.370%
33	18.933	2706	2711	2715	rBV3	452896	886619	2.35%	0.178%
34	19.016	2720	2725	2731	rVB	1197180	1678403	4.44%	0.336%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091719\
Data File : BN007697.D
Acq On : 17 Sep 2019 15:19
Operator : HP/JU
Sample : K4633-08DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D06DL

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-BN091619MA.M
Title : SVOA CALIBRATION

35	19.139	2740	2746	2753	rVB	21468136	29005846	76.80%	5.810%
36	19.210	2753	2758	2760	rBV	432202	662675	1.75%	0.133%
37	19.380	2783	2787	2791	rVV	1121370	1666326	4.41%	0.334%
38	19.475	2798	2803	2804	rVV2	5952564	7139548	18.90%	1.430%
39	19.504	2804	2808	2816	rVV	20116693	28960856	76.68%	5.801%
40	19.575	2816	2820	2828	rVB2	1018738	2222682	5.89%	0.445%
41	19.686	2832	2839	2841	rVV	1007870	1625606	4.30%	0.326%
42	19.739	2845	2848	2855	rVB	1227726	1837403	4.87%	0.368%
43	19.828	2857	2863	2869	rBV3	1399409	3619192	9.58%	0.725%
44	19.880	2869	2872	2875	rVV	719550	853678	2.26%	0.171%
45	19.922	2875	2879	2883	rVV3	591903	947143	2.51%	0.190%
46	19.969	2883	2887	2889	rVV3	1117019	1882098	4.98%	0.377%
47	19.998	2889	2892	2897	rVB	2816035	4003764	10.60%	0.802%
48	20.104	2906	2910	2913	rVV	1415343	1831393	4.85%	0.367%
49	20.163	2913	2920	2924	rVV2	4735495	6957347	18.42%	1.394%
50	20.198	2924	2926	2931	rVV	1217490	1558305	4.13%	0.312%
51	20.298	2939	2943	2947	rVV	2061651	2742023	7.26%	0.549%
52	20.345	2947	2951	2956	rVV	2009716	2846058	7.54%	0.570%
53	20.392	2956	2959	2965	rVB6	394897	742532	1.97%	0.149%
54	20.563	2983	2988	2990	rBV5	616681	979306	2.59%	0.196%
55	20.598	2990	2994	2997	rVV5	890813	1613969	4.27%	0.323%
56	20.639	2997	3001	3004	rVV	1049246	1779231	4.71%	0.356%
57	20.669	3004	3006	3009	rVV	761077	769597	2.04%	0.154%
58	20.751	3012	3020	3027	rVV	3835031	6494243	17.20%	1.301%
59	20.845	3033	3036	3041	rVB	1152383	1416261	3.75%	0.284%
60	20.922	3041	3049	3052	rBV3	4684980	9161612	24.26%	1.835%
61	20.957	3052	3055	3058	rVV	2067463	2333544	6.18%	0.467%
62	21.004	3058	3063	3067	rVV2	2136302	4436440	11.75%	0.889%
63	21.051	3067	3071	3077	rVB2	3059581	4567298	12.09%	0.915%
64	21.157	3083	3089	3093	rBV	1534111	2824250	7.48%	0.566%
65	21.227	3097	3101	3102	rVV	1425440	1787145	4.73%	0.358%
66	21.263	3102	3107	3112	rVV3	19902718	37767488	100.00%	7.565%
67	21.310	3112	3115	3125	rVB	17033581	23455247	62.10%	4.698%
68	21.392	3125	3129	3132	rBV2	2391692	2947645	7.80%	0.590%
69	21.427	3132	3135	3139	rBV	1471732	1940136	5.14%	0.389%
70	21.533	3150	3153	3157	rVB	1920845	2671840	7.07%	0.535%
71	21.586	3157	3162	3167	rBV2	2979226	4868263	12.89%	0.975%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091719\
Data File : BN007697.D
Acq On : 17 Sep 2019 15:19
Operator : HP/JU
Sample : K4633-08DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D06DL

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-BN091619MA.M
Title : SVOA CALIBRATION

72	21.639	3167	3171	3174	rBV2	965290	1332723	3.53%	0.267%
73	21.727	3183	3186	3190	rVB4	788225	1131242	3.00%	0.227%
74	21.769	3190	3193	3196	rBV	1203491	1493784	3.96%	0.299%
75	21.827	3196	3203	3207	rVV	6400662	11480959	30.40%	2.300%
76	21.874	3207	3211	3216	rVB	3949865	5421099	14.35%	1.086%
77	21.969	3225	3227	3231	rVB2	1029324	1269091	3.36%	0.254%
78	22.022	3232	3236	3239	rVV	2124358	3021484	8.00%	0.605%
79	22.057	3239	3242	3248	rVB3	1803368	2545821	6.74%	0.510%
80	22.122	3248	3253	3264	rVB3	1705894	3122740	8.27%	0.625%
81	22.292	3277	3282	3285	rBV3	936360	1899312	5.03%	0.380%
82	22.339	3286	3290	3300	rVV4	2127990	6133595	16.24%	1.229%
83	22.422	3300	3304	3308	rVV	2143360	3429115	9.08%	0.687%
84	22.474	3309	3313	3320	rVB	1877809	3344661	8.86%	0.670%
85	22.592	3328	3333	3344	rVB3	1419859	3245595	8.59%	0.650%
86	22.845	3369	3376	3381	rBV	14652847	33428881	88.51%	6.696%
87	23.004	3399	3403	3410	rVB	1749687	2783210	7.37%	0.557%
88	23.139	3421	3426	3435	rBV2	1619820	4145390	10.98%	0.830%
89	23.310	3449	3455	3461	rBV	9699157	18119149	47.98%	3.629%
90	23.363	3461	3464	3466	rVV	1559603	2278816	6.03%	0.456%
91	23.410	3466	3472	3480	rVB	12649259	23246524	61.55%	4.656%
92	23.504	3481	3488	3492	rBV	5073038	10214586	27.05%	2.046%
93	23.551	3492	3496	3504	rVB2	3875096	8021750	21.24%	1.607%
94	23.980	3565	3569	3574	rVB	1122145	1981921	5.25%	0.397%
95	24.045	3575	3580	3589	rVB2	1681088	4286563	11.35%	0.859%
96	24.163	3593	3600	3606	rBV3	1066848	2784612	7.37%	0.558%
97	24.233	3607	3612	3618	rBV3	998392	2109023	5.58%	0.422%
98	24.363	3630	3634	3639	rBV3	691880	1218890	3.23%	0.244%
99	25.733	3858	3867	3876	rVB	6696579	18924899	50.11%	3.791%
100	26.410	3973	3982	3998	rVB	4777764	14710154	38.95%	2.946%

Sum of corrected areas: 499254112

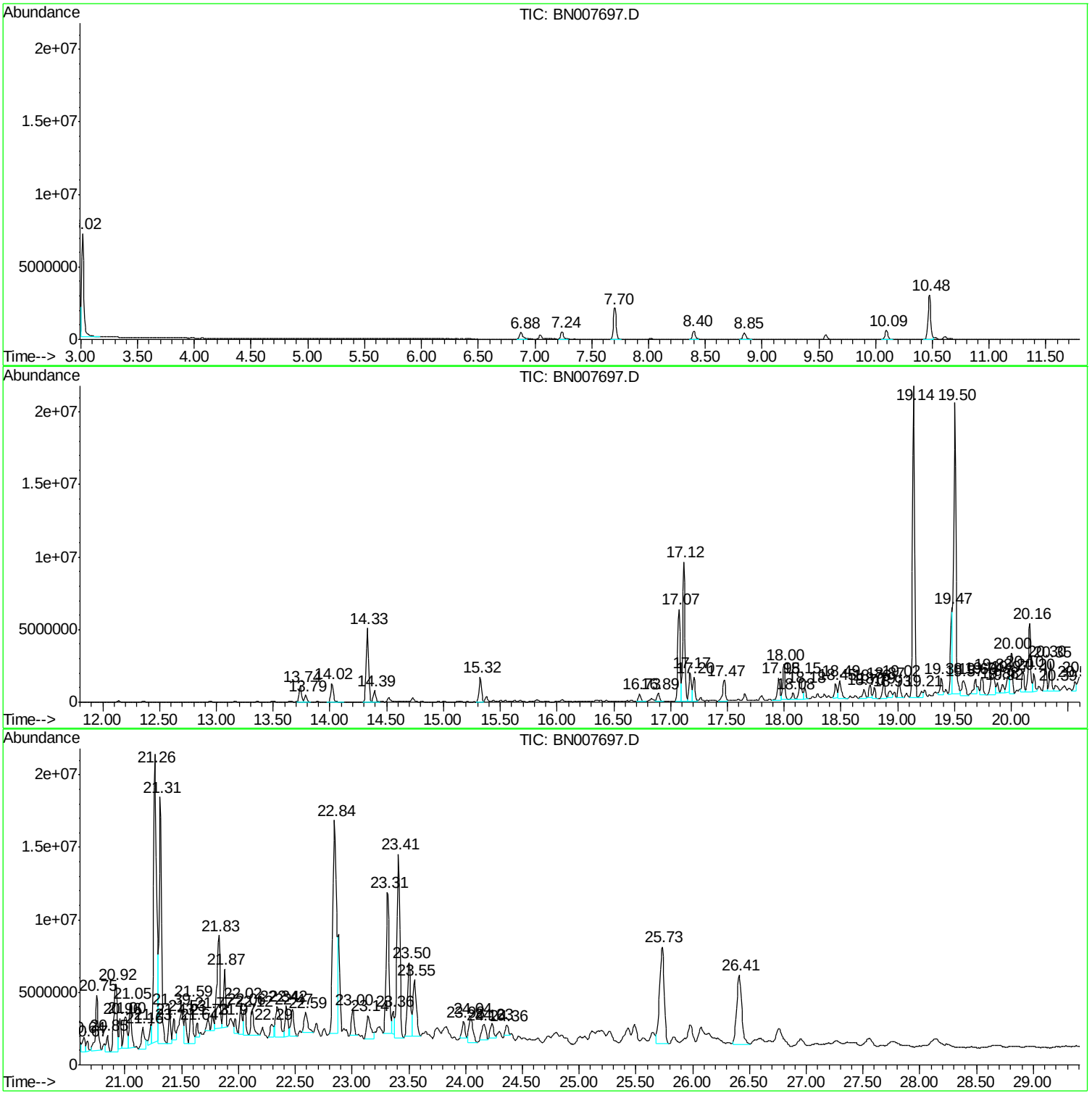
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091719\
Data File : BN007697.D
Acq On : 17 Sep 2019 15:19
Operator : HP/JU
Sample : K4633-08DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D06DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.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\BN091719\
Data File : BN007697.D
Acq On : 17 Sep 2019 15:19
Operator : HP/JU
Sample : K4633-08DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D06DL

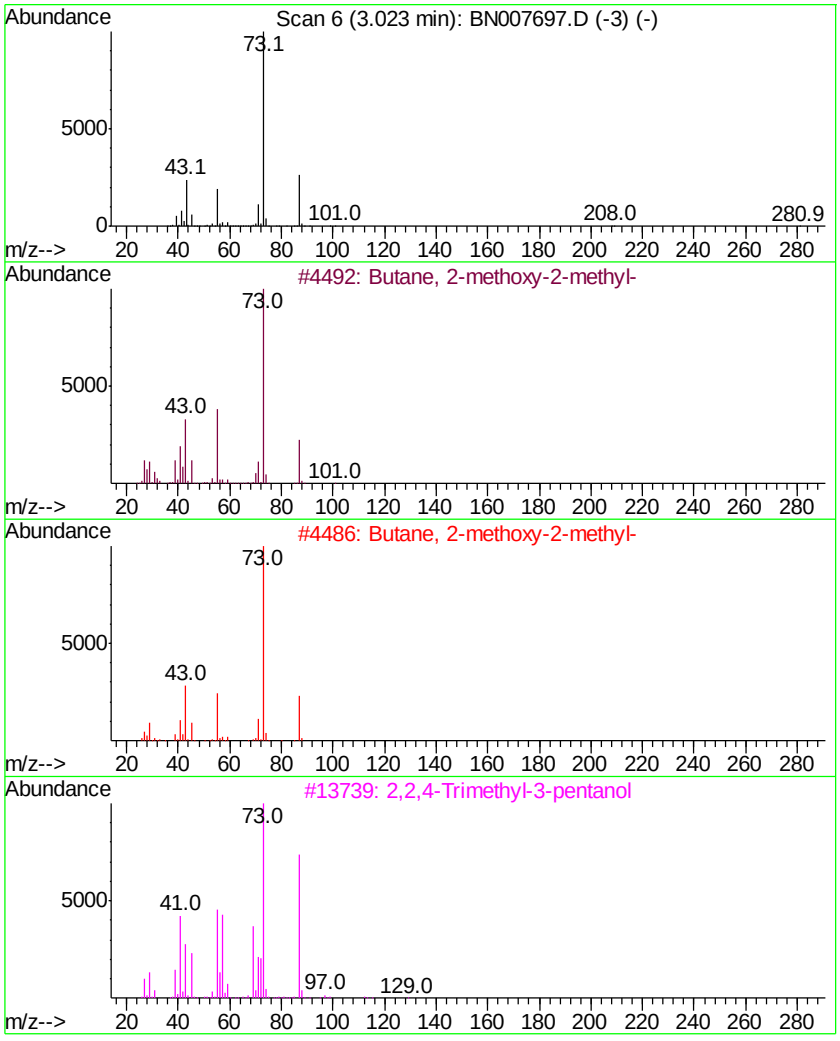
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

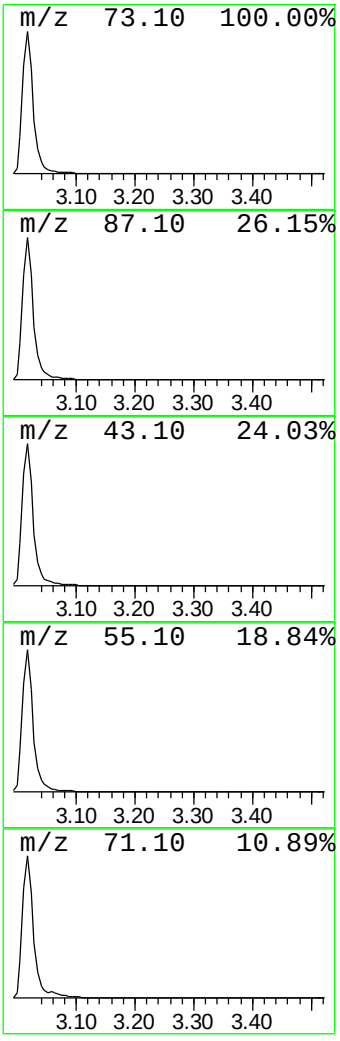
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.02	49.26 ng/ul	8516760	1,4-Dichlorobenzene-d4	7.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	43
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091719\
Data File : BN007697.D
Acq On : 17 Sep 2019 15:19
Operator : HP/JU
Sample : K4633-08DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D06DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

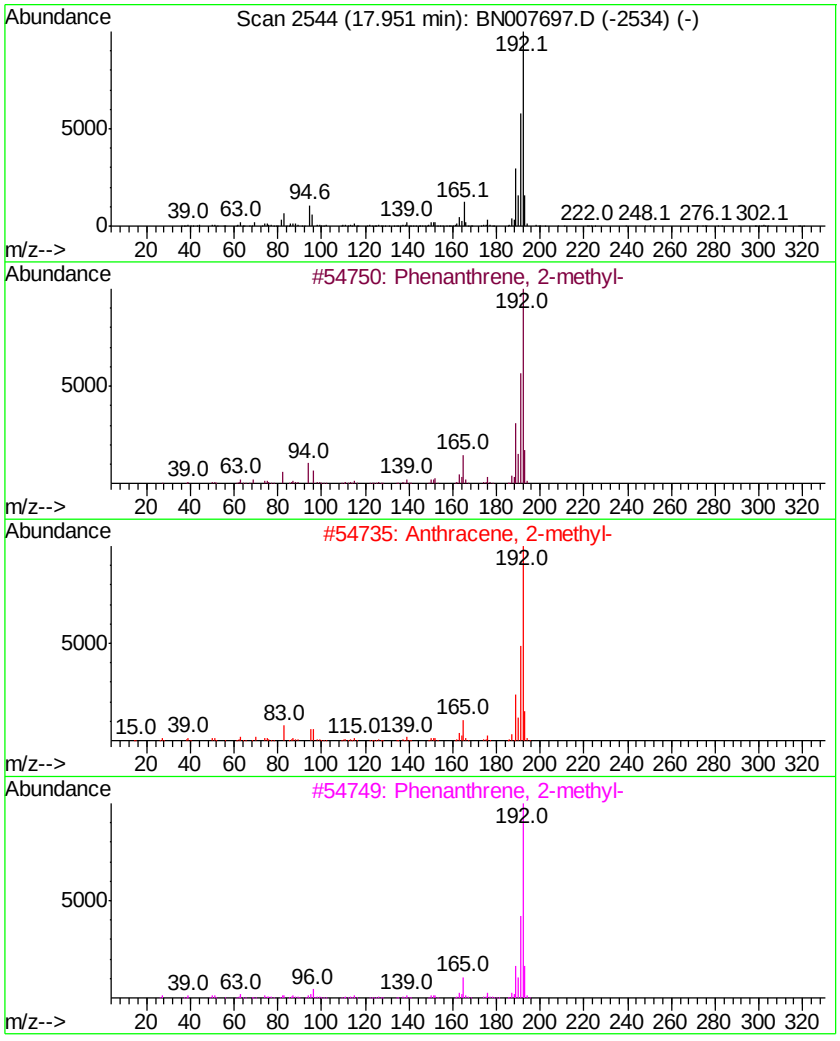
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

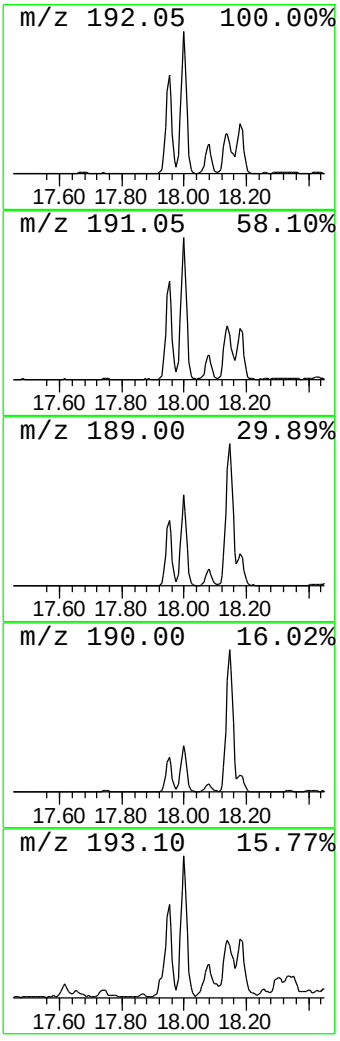
****

Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	5.37 ng/ul	2398070	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091719\
Data File : BN007697.D
Acq On : 17 Sep 2019 15:19
Operator : HP/JU
Sample : K4633-08DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D06DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

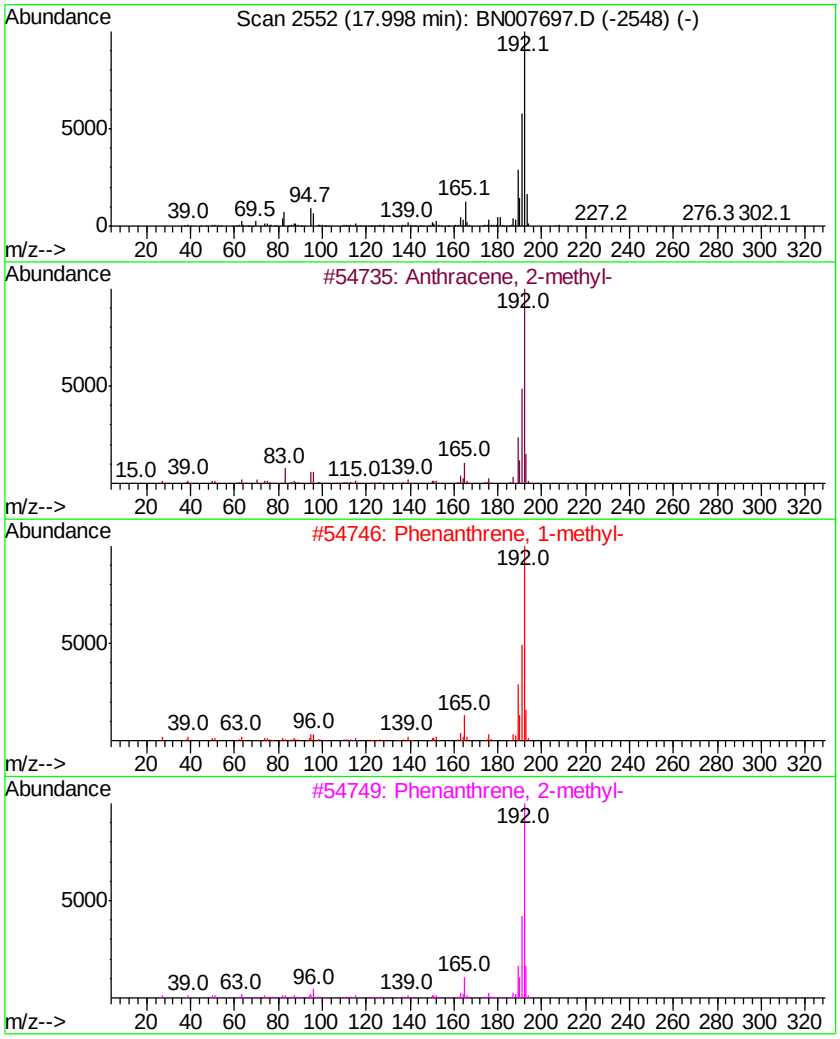
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

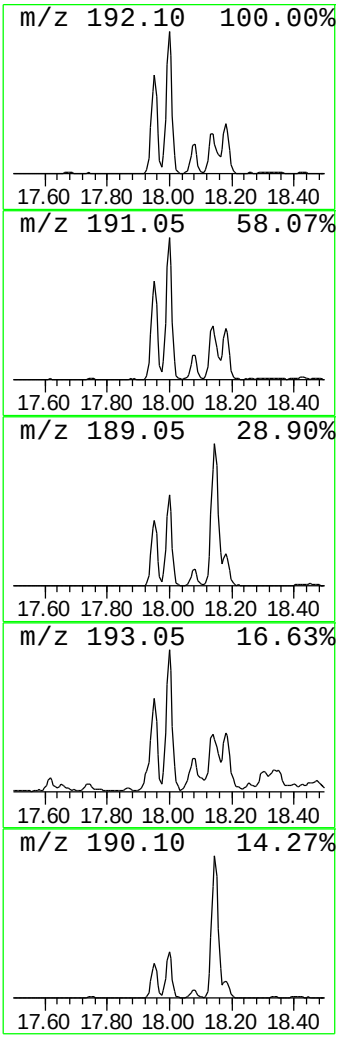
****

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	7.60 ng/ul	3395830	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091719\
Data File : BN007697.D
Acq On : 17 Sep 2019 15:19
Operator : HP/JU
Sample : K4633-08DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D06DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

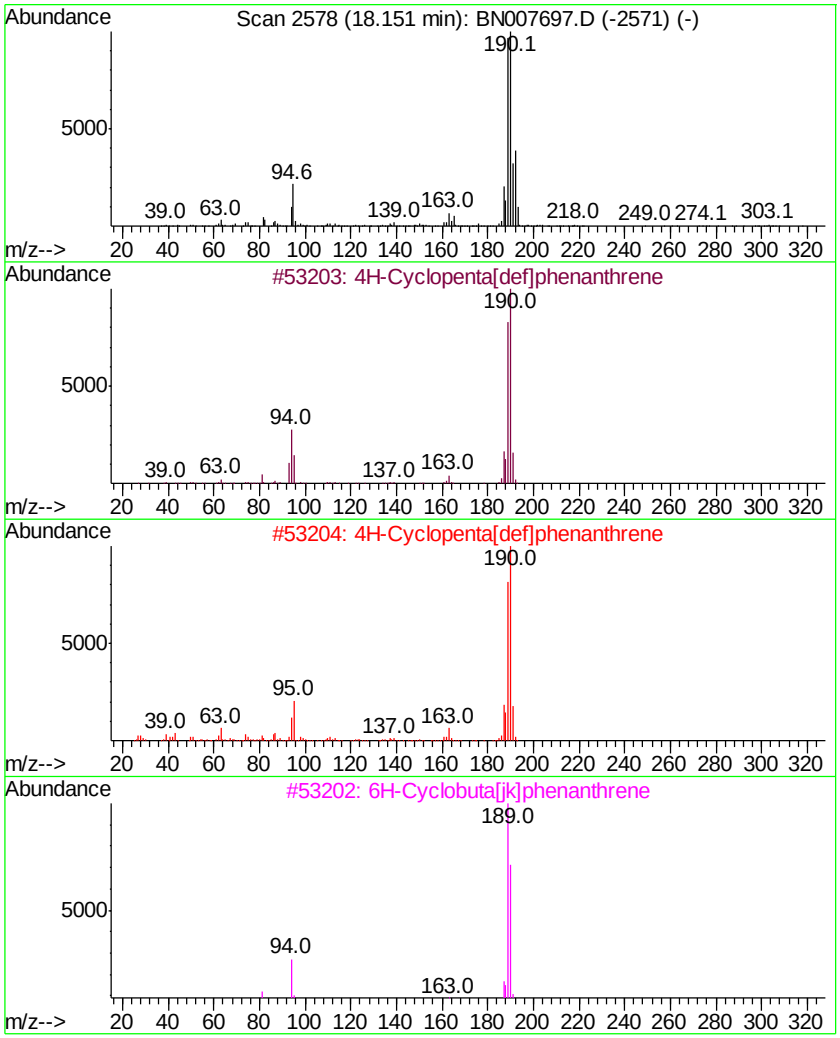
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

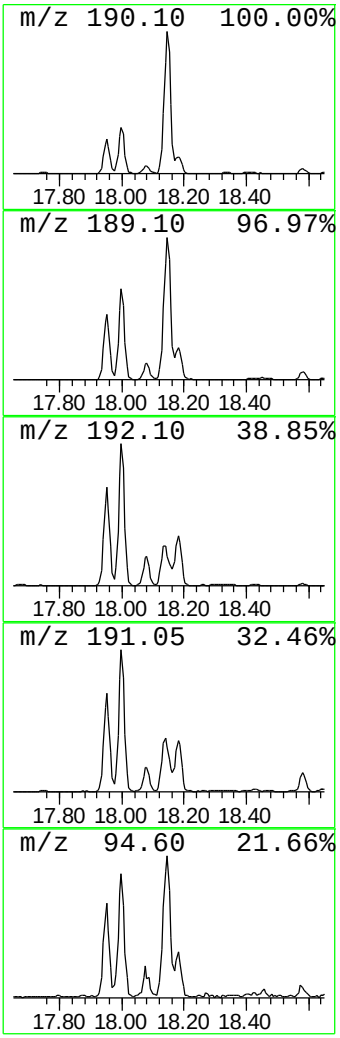
****

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	6.06 ng/ul	2708870	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
5	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091719\
Data File : BN007697.D
Acq On : 17 Sep 2019 15:19
Operator : HP/JU
Sample : K4633-08DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D06DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

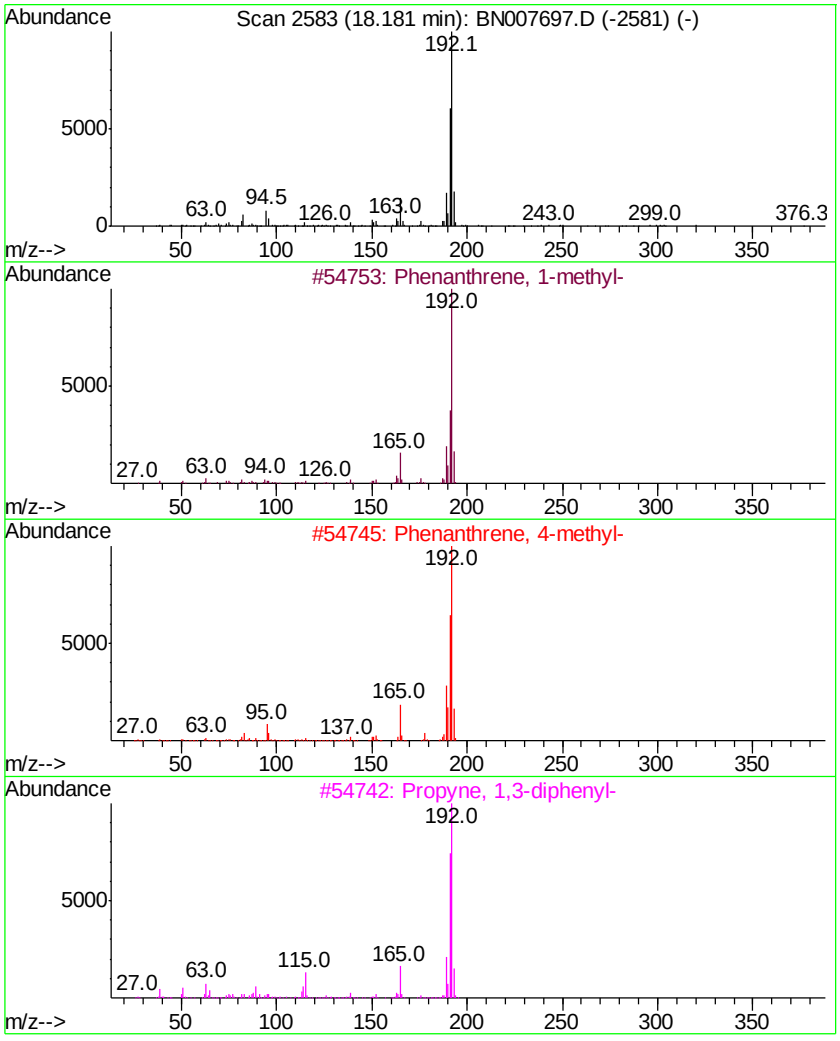
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

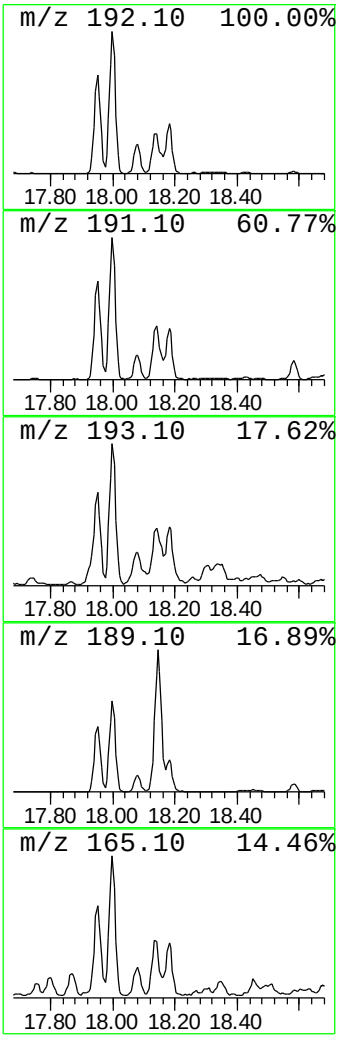
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	2.16 ng/ul	964287	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
3	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





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Acq On : 17 Sep 2019 15:19
Operator : HP/JU
Sample : K4633-08DL 5X
Misc :
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Instrument : BNA_N
ClientSampleId : F2D06DL

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Quant Title : SVOA CALIBRATION

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

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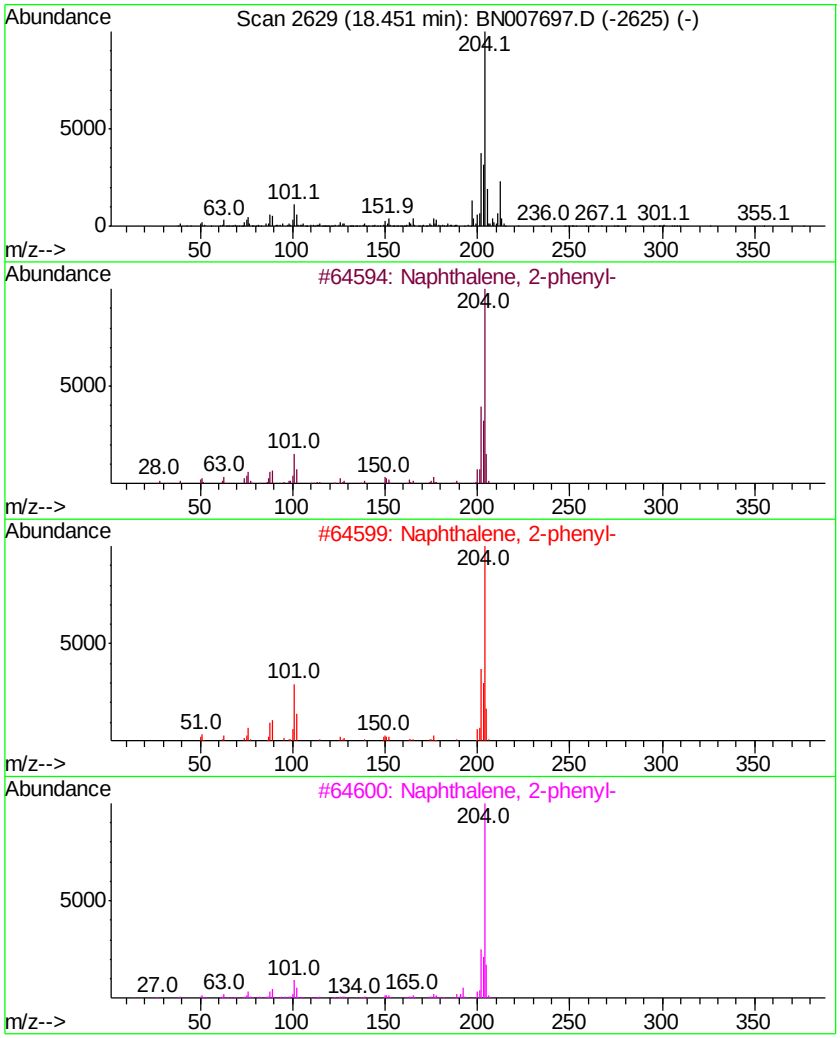
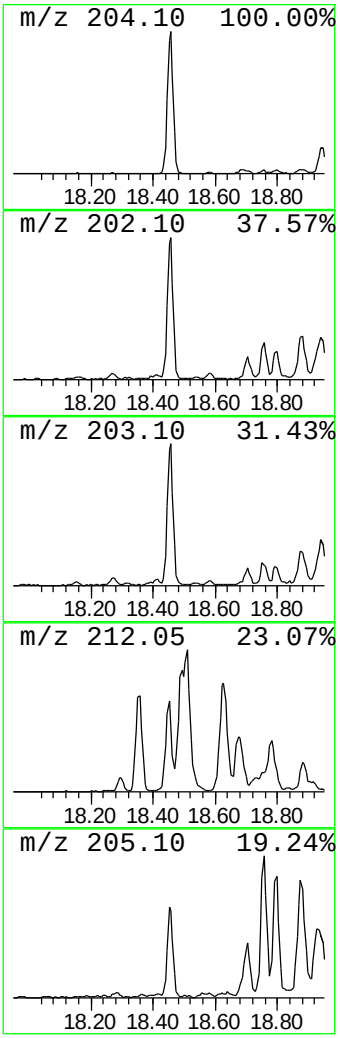
Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	3.11 ng/ul	1388960	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64





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Quant Title : SVOA CALIBRATION

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

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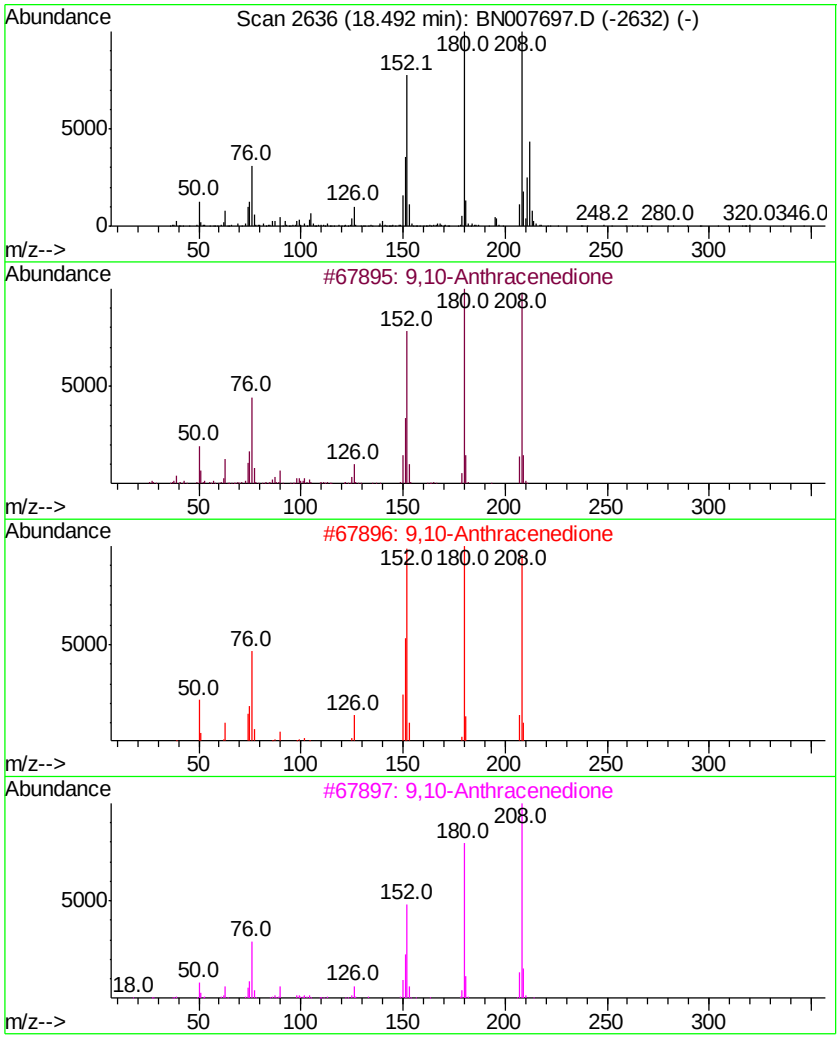
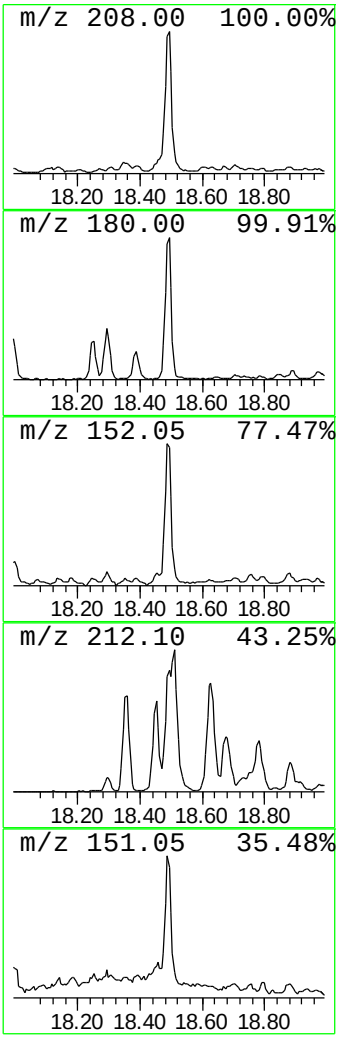
Peak Number 7 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	4.93 ng/ul	2202430	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55





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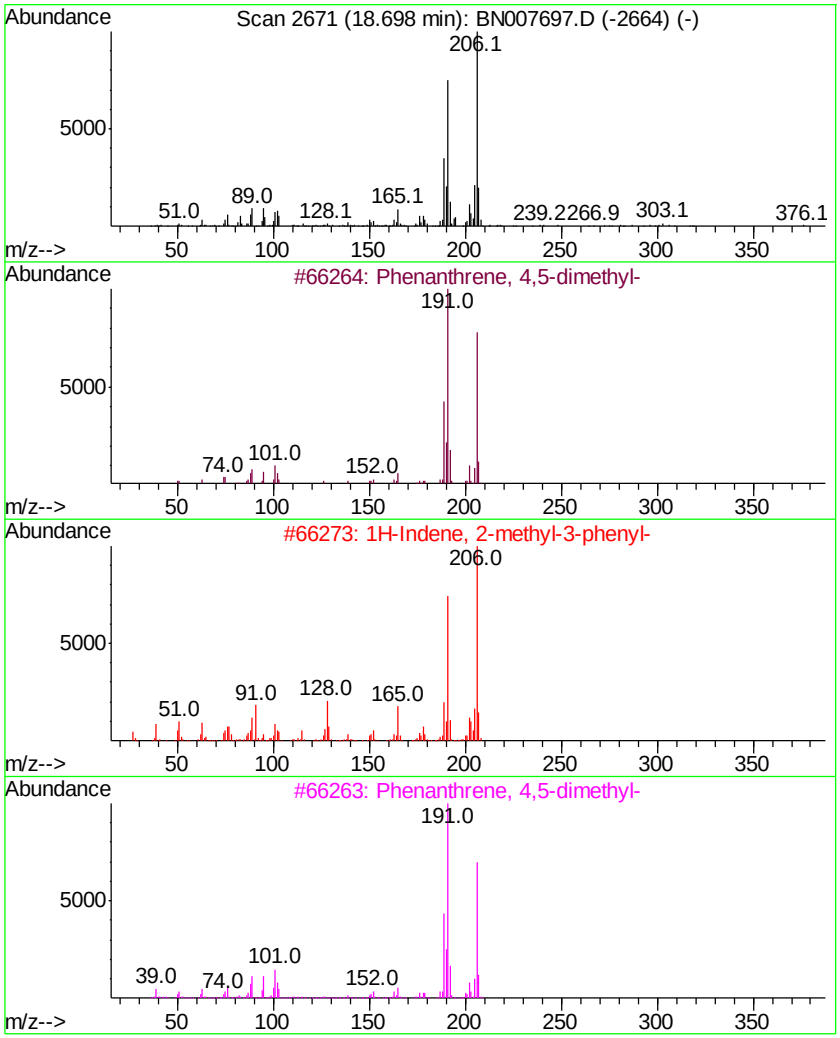
Quant Title : SVOA CALIBRATION

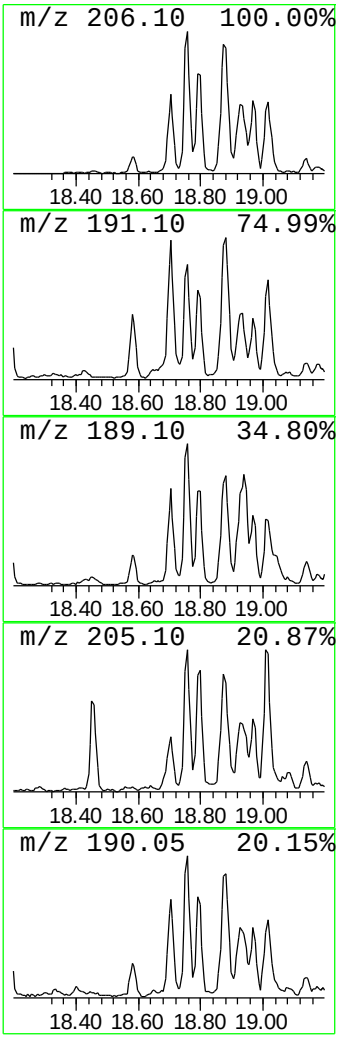
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Phenanthrene, 4,5-dimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	2.30 ng/ul	1028460	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
2	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83





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Operator : HP/JU
Sample : K4633-08DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D06DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

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

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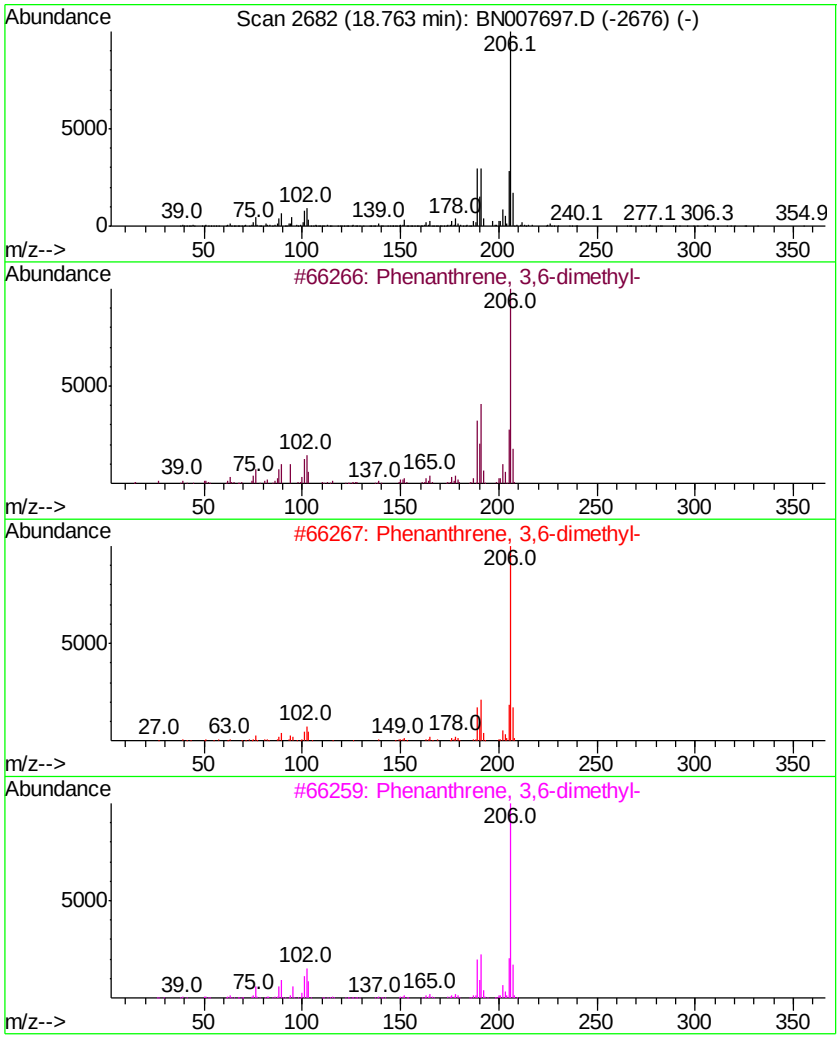
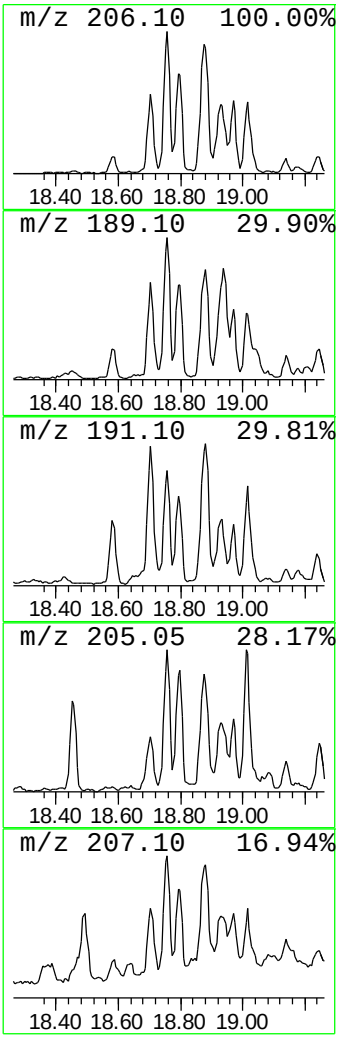
Peak Number 9 Phenanthrene, 3,6-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.76	2.54 ng/ul	1137360	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





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Operator : HP/JU
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Misc :
ALS Vial : 6 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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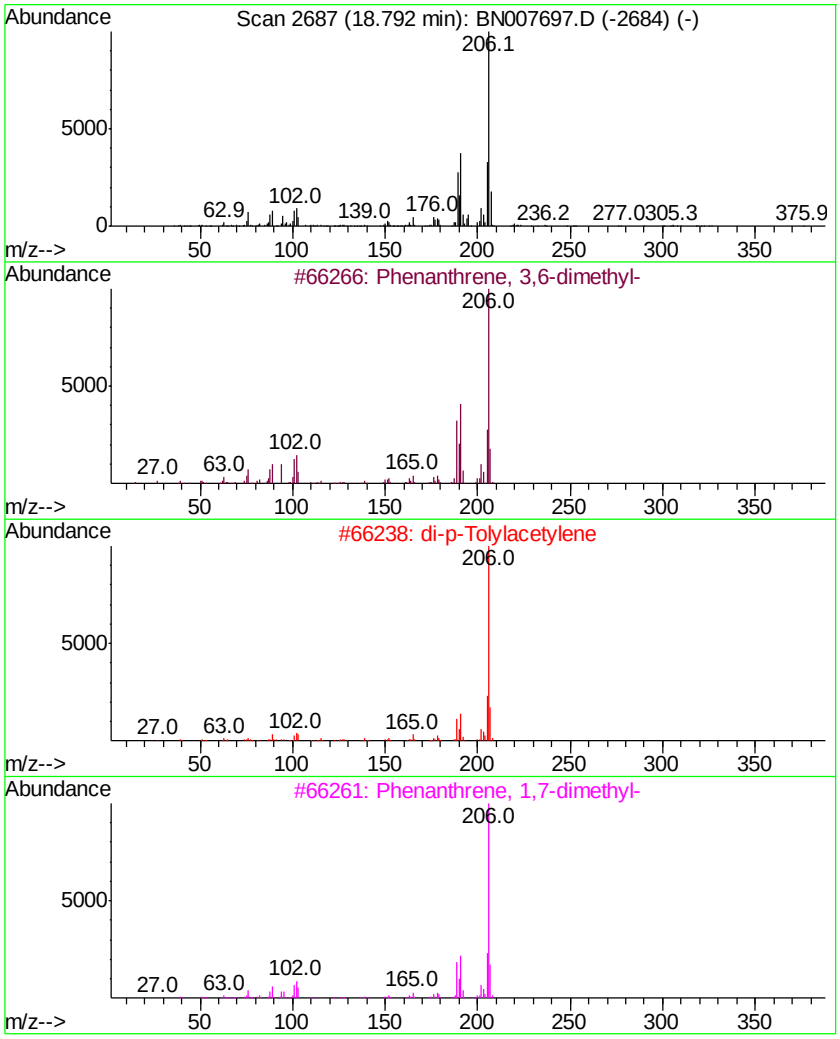
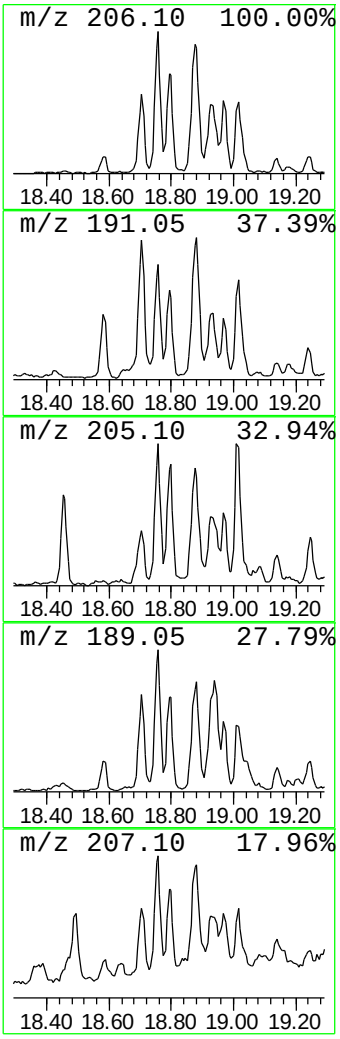
Peak Number 10 di-p-Tolylacetylene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	2.32 ng/ul	1036370	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





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Sample : K4633-08DL 5X
Misc :
ALS Vial : 6 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

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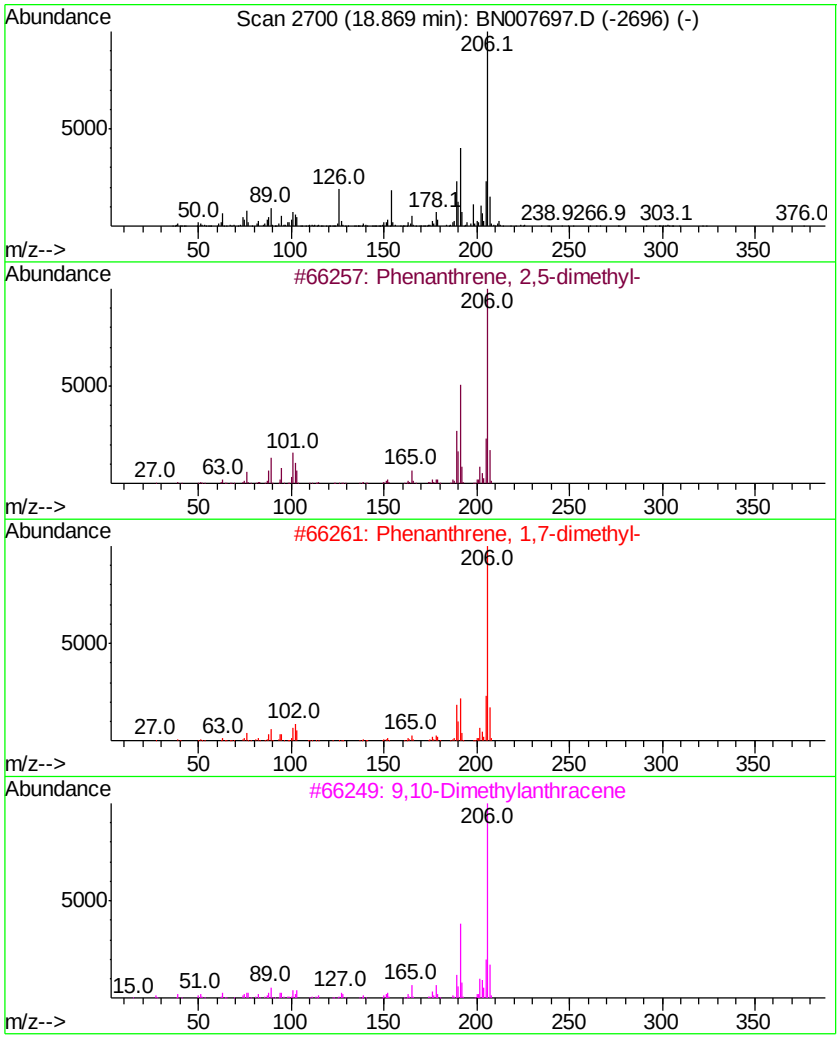
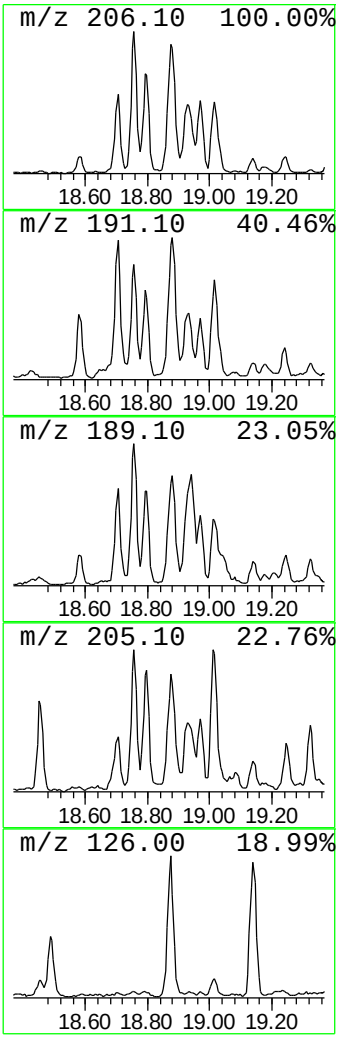
Peak Number 11 Phenanthrene, 1,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	4.13 ng/ul	1846620	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





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Sample : K4633-08DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D06DL

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Quant Title : SVOA CALIBRATION

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

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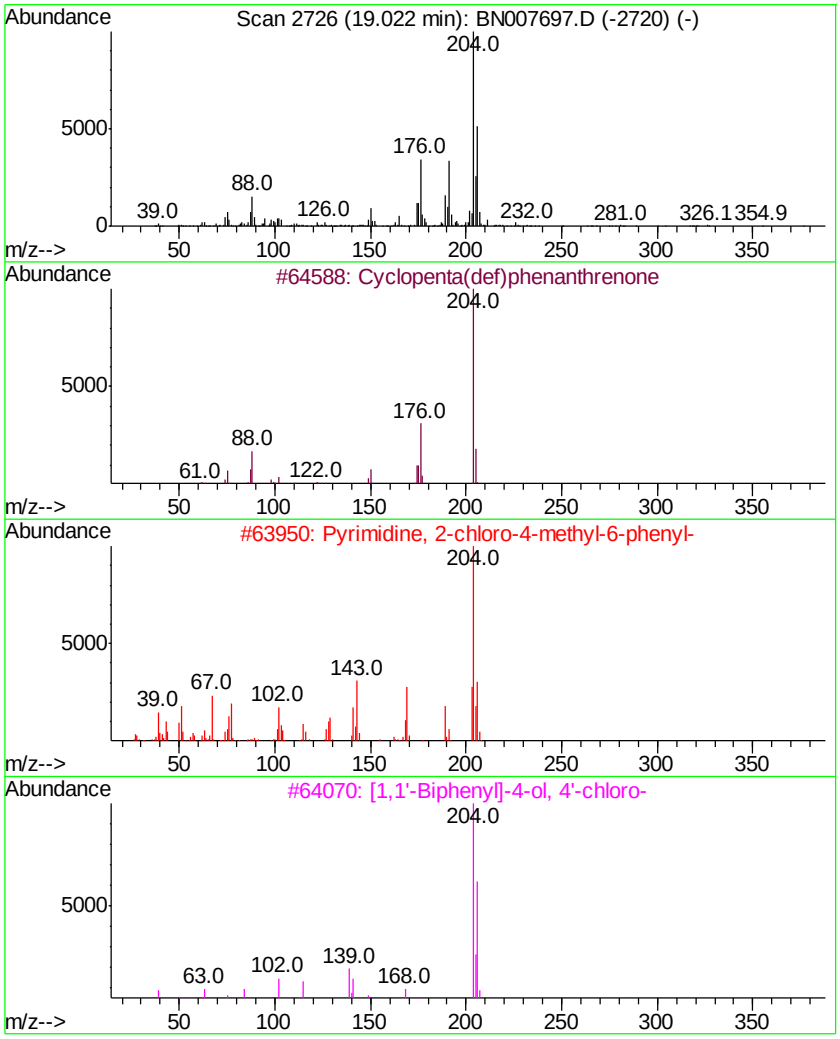
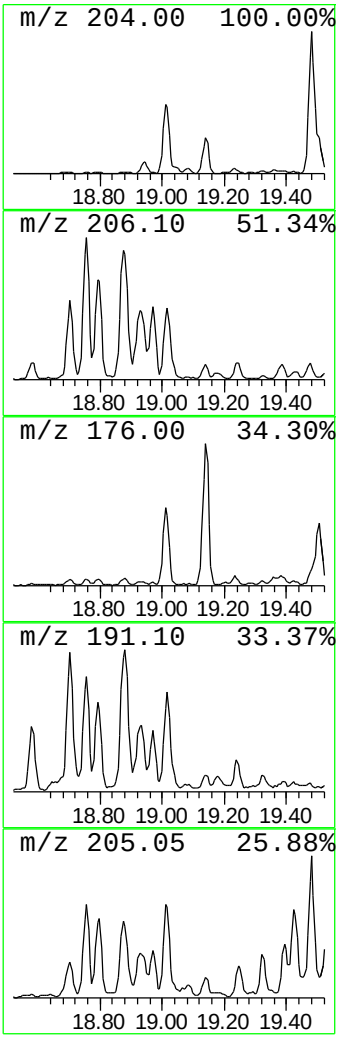
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	3.76 ng/ul	1678400	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	50
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	47
4	L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	47
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47





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Misc :
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Quant Title : SVOA CALIBRATION

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

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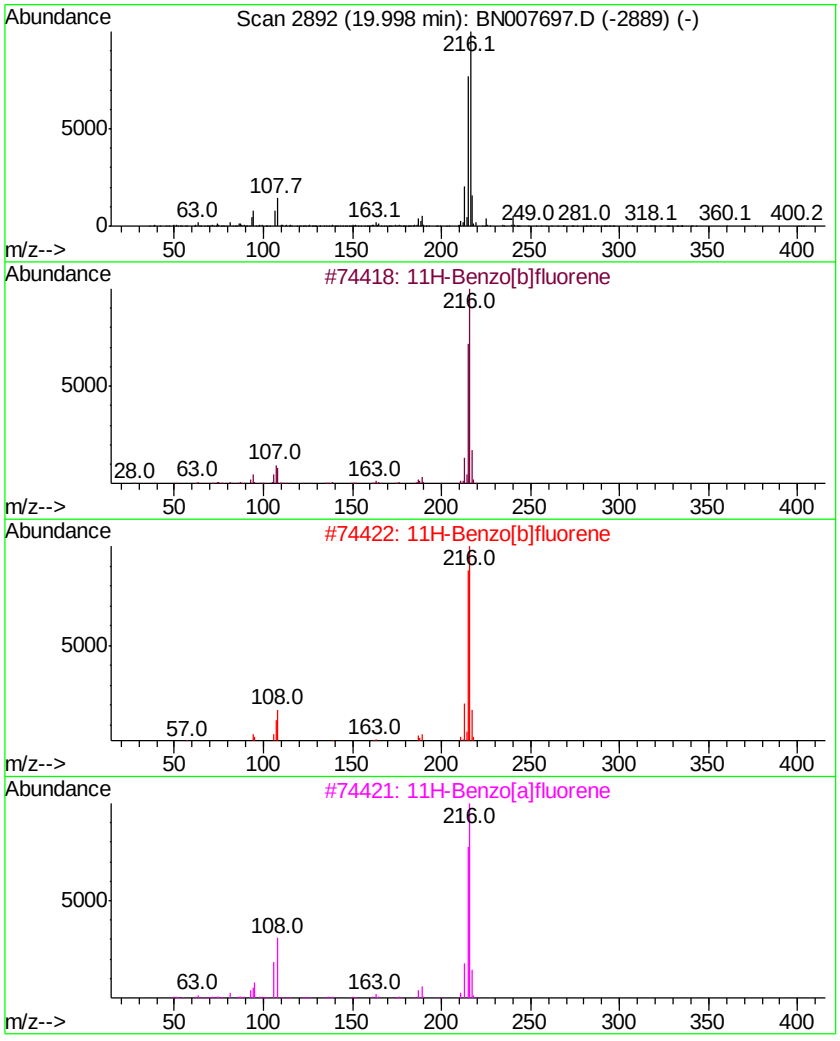
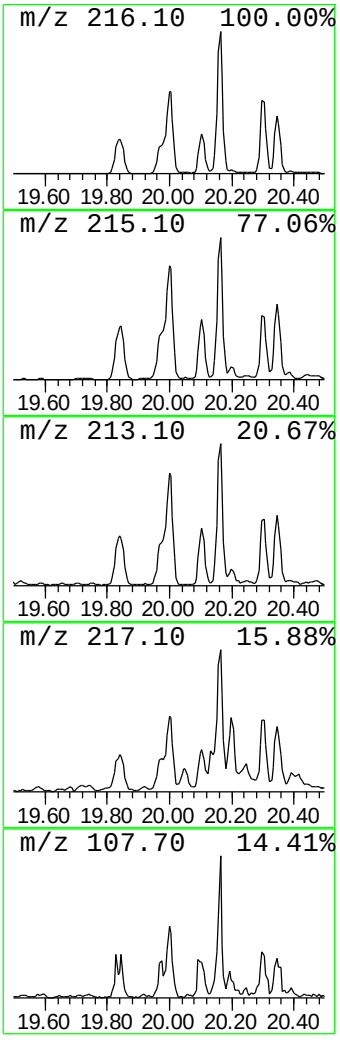
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	2.12 ng/ul	4003760	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86





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Quant Title : SVOA CALIBRATION

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

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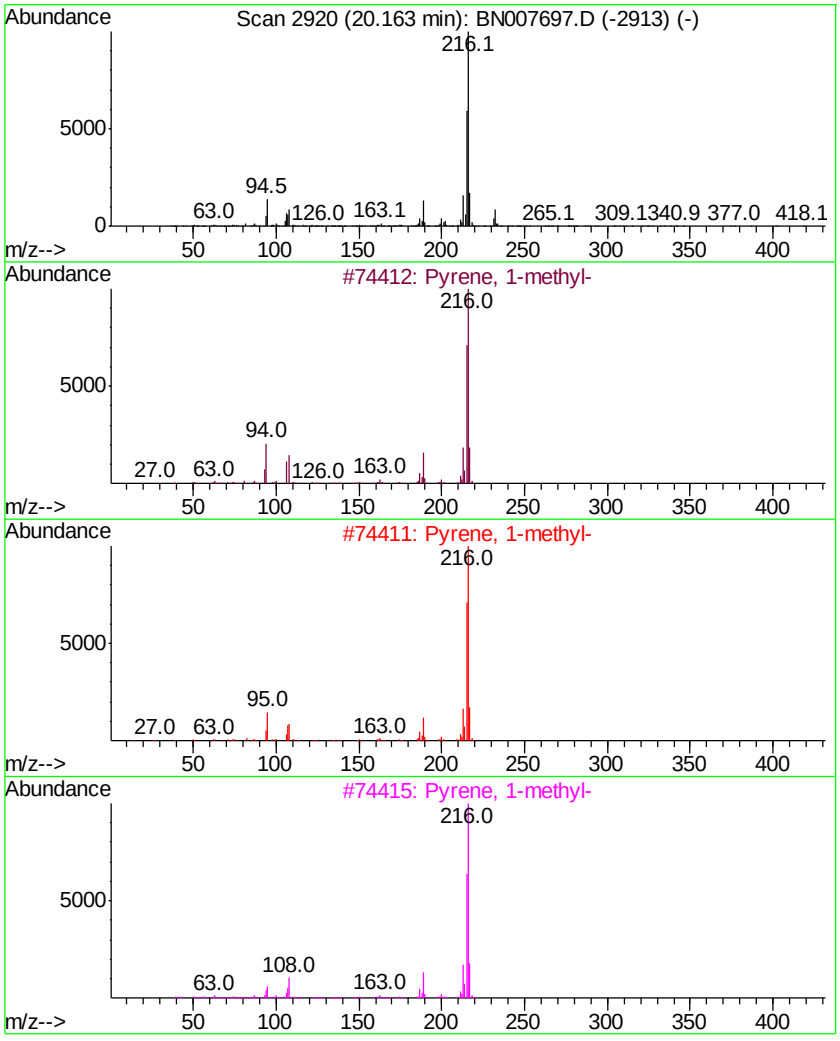
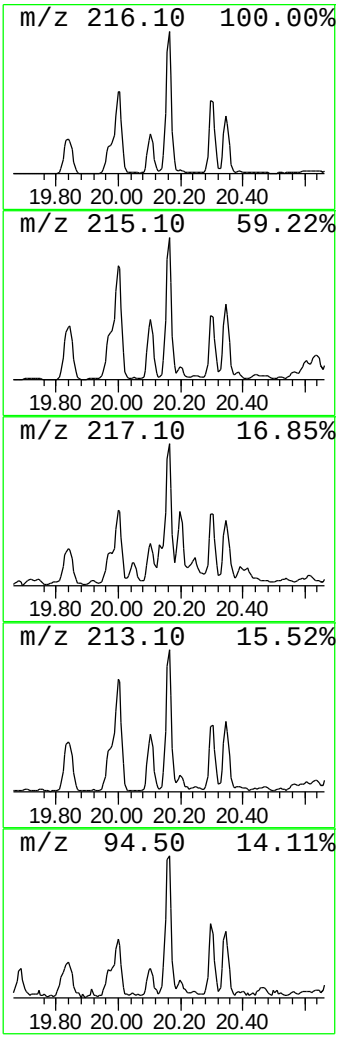
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.16	3.68 ng/ul	6957350	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95





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Quant Title : SVOA CALIBRATION

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

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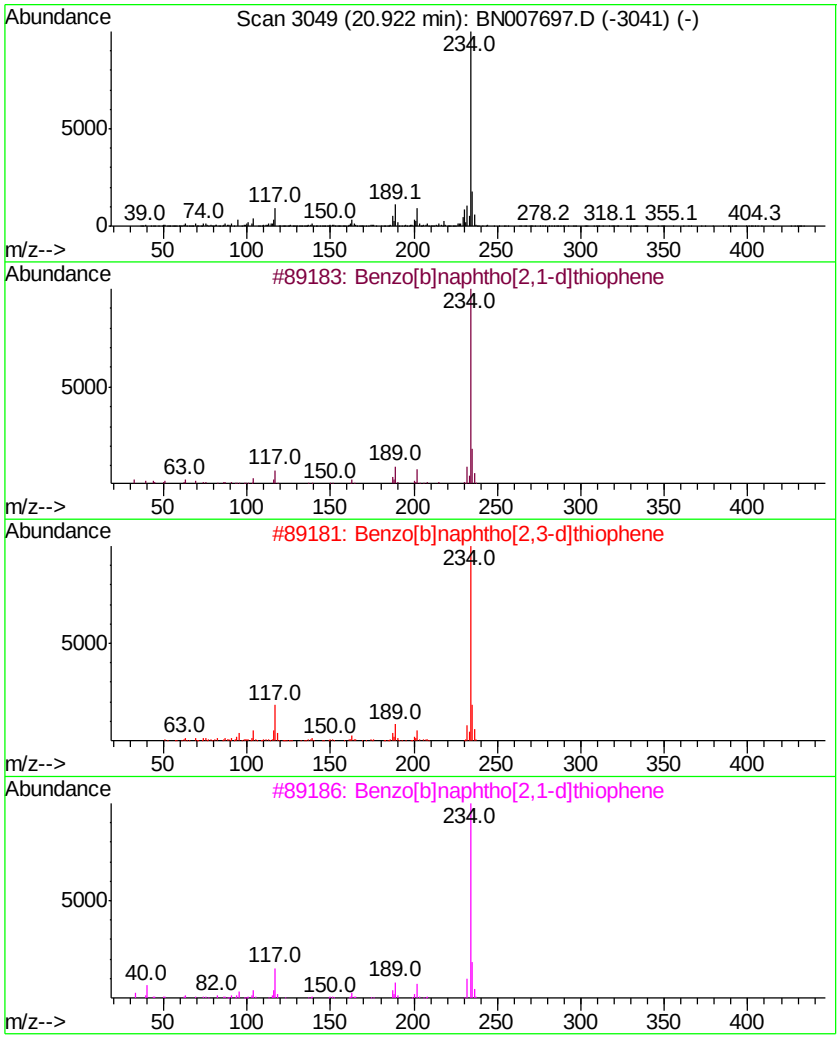
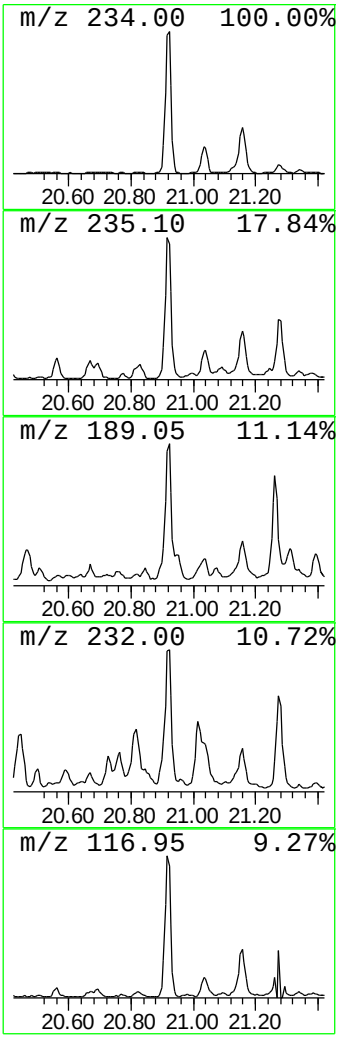
Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.92	4.85 ng/ul	9161610	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	98
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
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	93
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93





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Quant Title : SVOA CALIBRATION

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

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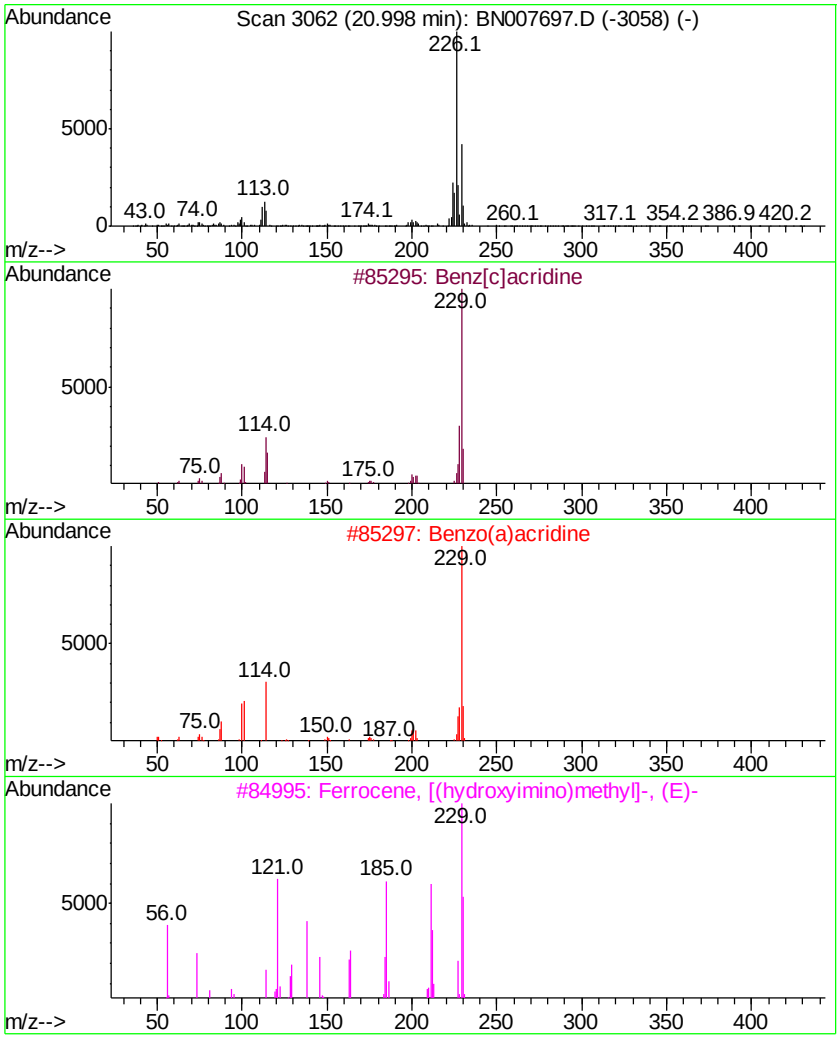
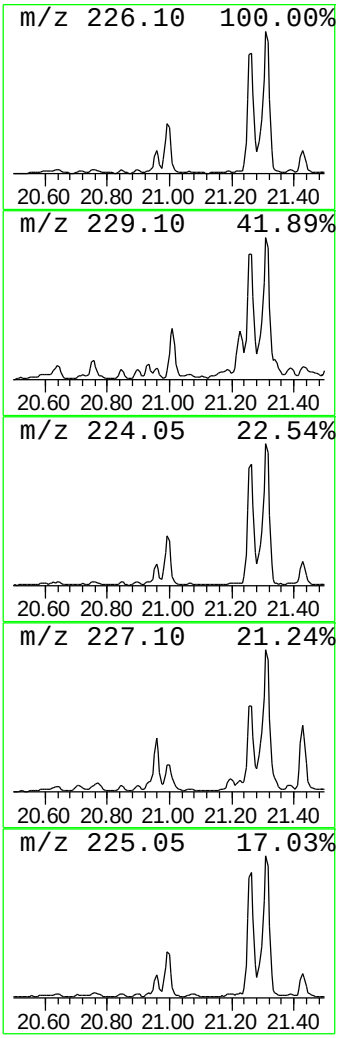
Peak Number 17 Benz[c]acridine Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.00	2.35 ng/ul	4436440	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[c]acridine	229	C17H11N	000225-51-4	60
2	Benzo(a)acridine	229	C17H11N	000225-11-6	60
3	Ferrocene, [(hydroxyimino)methyl...	229	C11H11FeNO	032679-07-5	46
4	Naphtho(2,3-h)quinoline	229	C17H11N	000084-56-0	43
5	Benzimidazole-5-amine, 1-methyl-...	229	C12H11N3S	021444-73-5	43





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D06DL

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Quant Title : SVOA CALIBRATION

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

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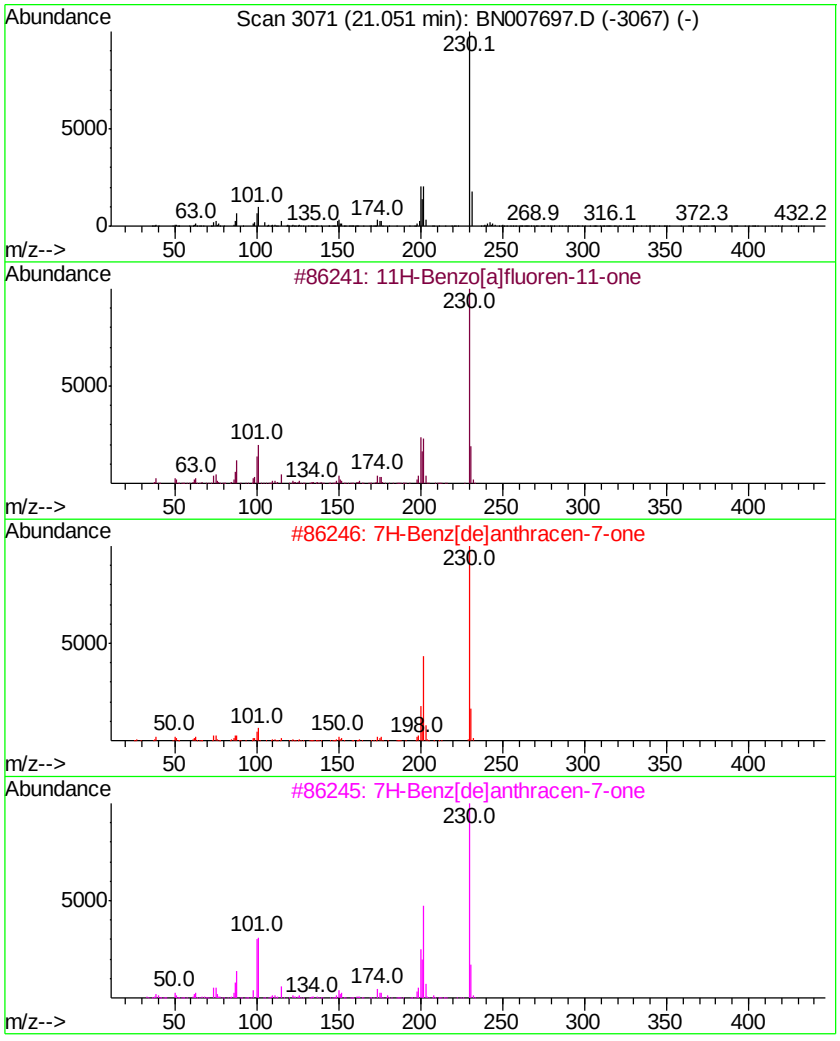
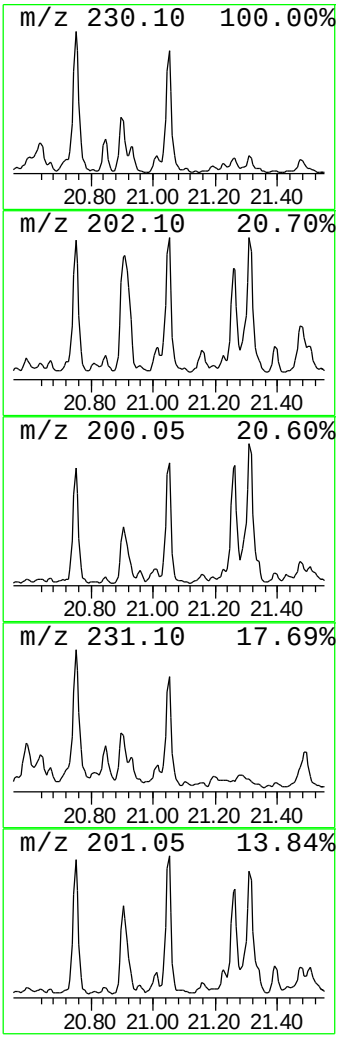
Peak Number 18 11H-Benzo[a]fluoren-11-one Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.05	2.42 ng/ul	4567300	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64





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Sample : K4633-08DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D06DL

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Quant Title : SVOA CALIBRATION

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

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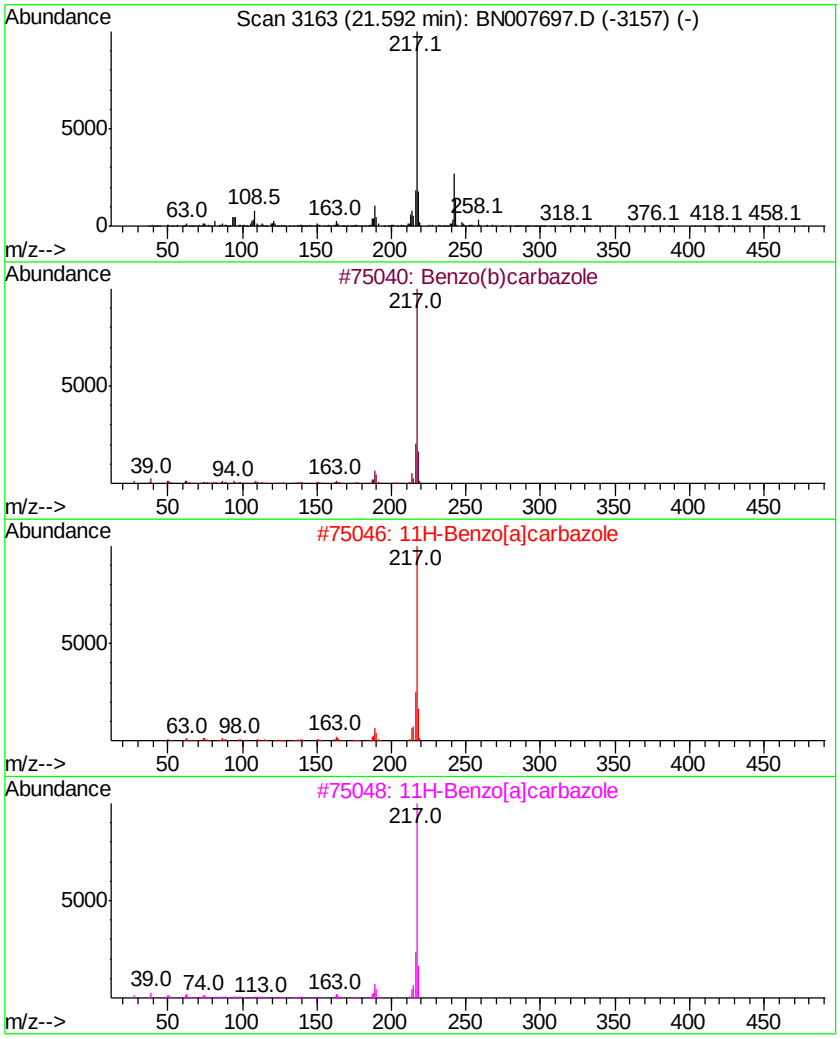
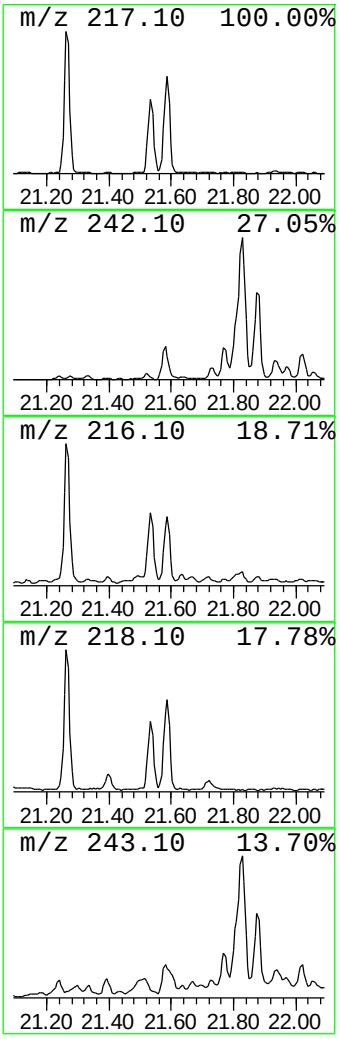
Peak Number 19 Benzo(b)carbazole Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.59	2.58 ng/ul	4868260	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(b)carbazole	217	C16H11N	000243-28-7	83
2	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	83
3	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	64
4	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	64
5	Benzo(c)carbazole	217	C16H11N	034777-33-8	64





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Misc :
ALS Vial : 6 Sample Multiplier: 1

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ClientSampleId : F2D06DL

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Quant Title : SVOA CALIBRATION

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

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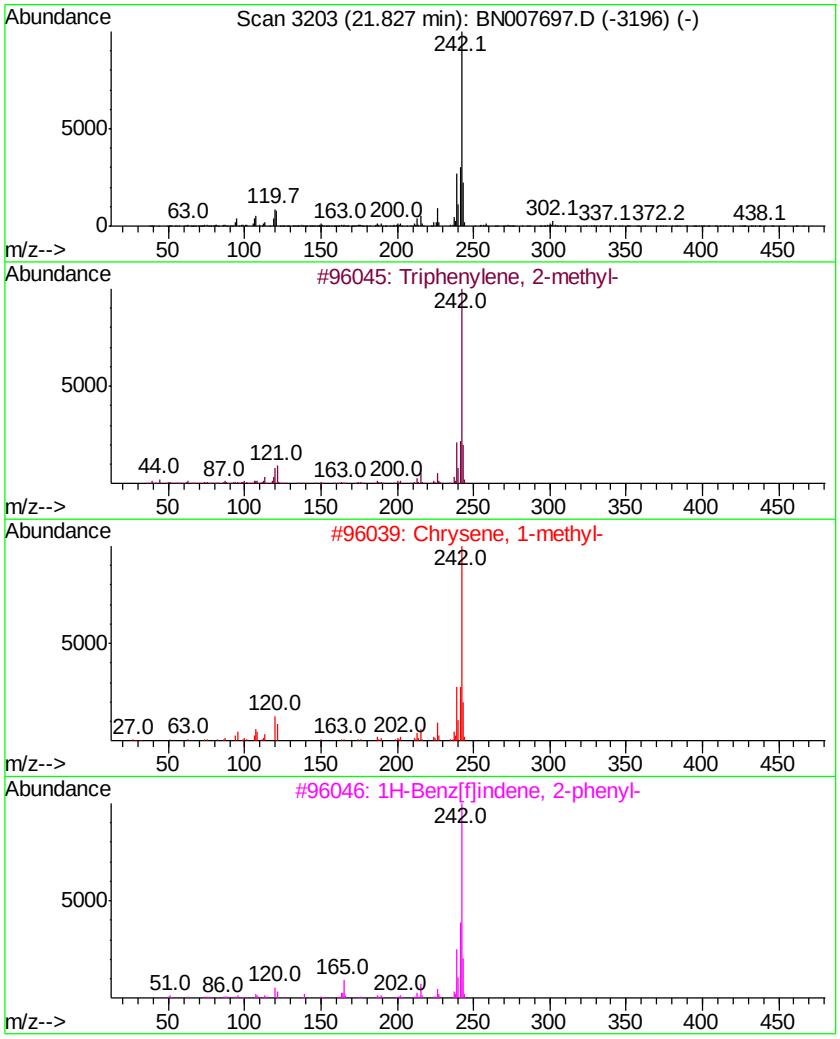
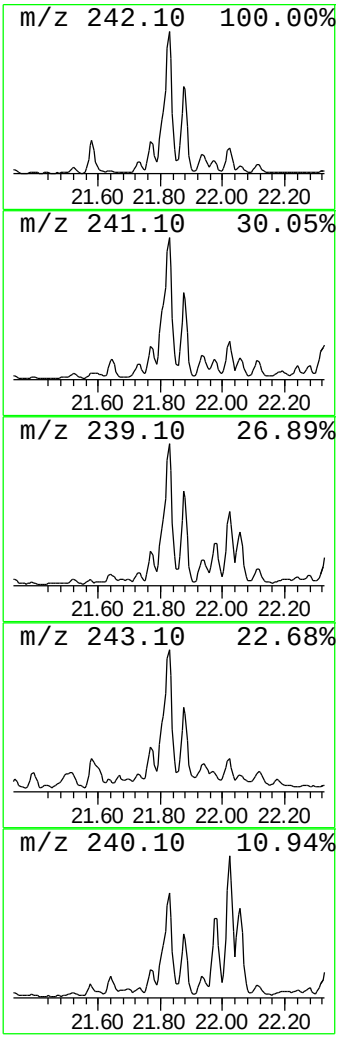
Peak Number 20 Triphenylene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.83	6.08 ng/ul	11481000	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	98
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	96
3	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	94
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	94
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	94





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Sample : K4633-08DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D06DL

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Quant Title : SVOA CALIBRATION

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

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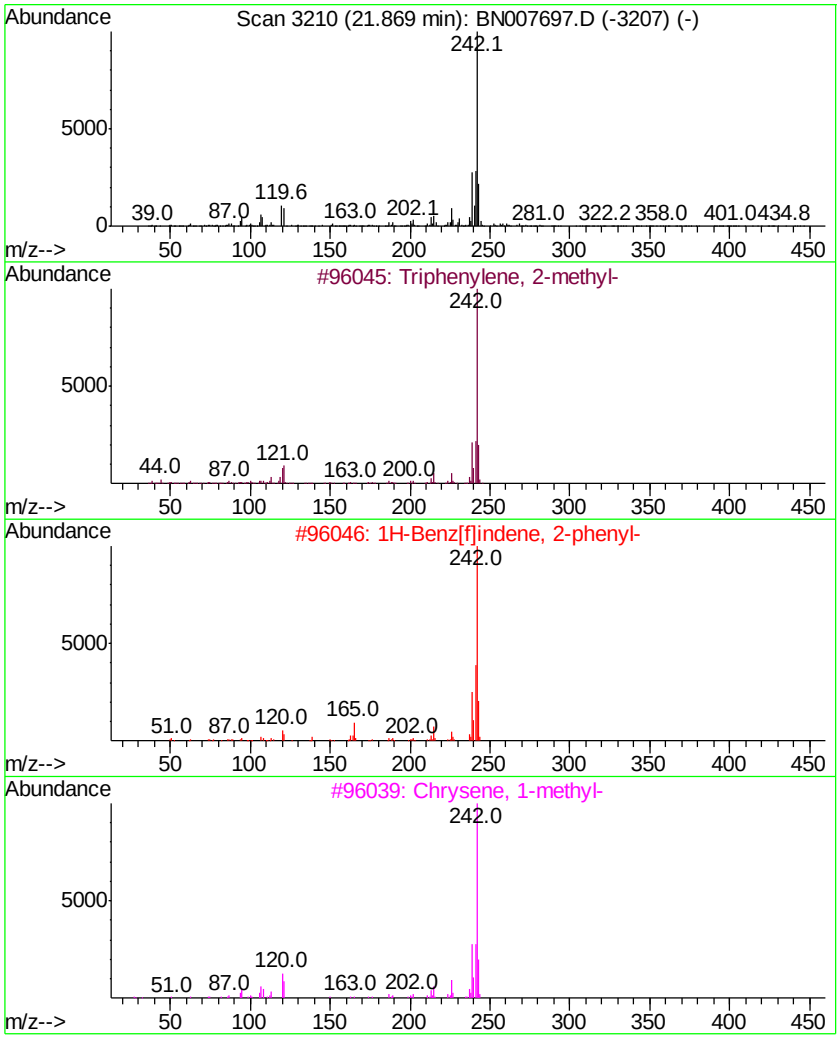
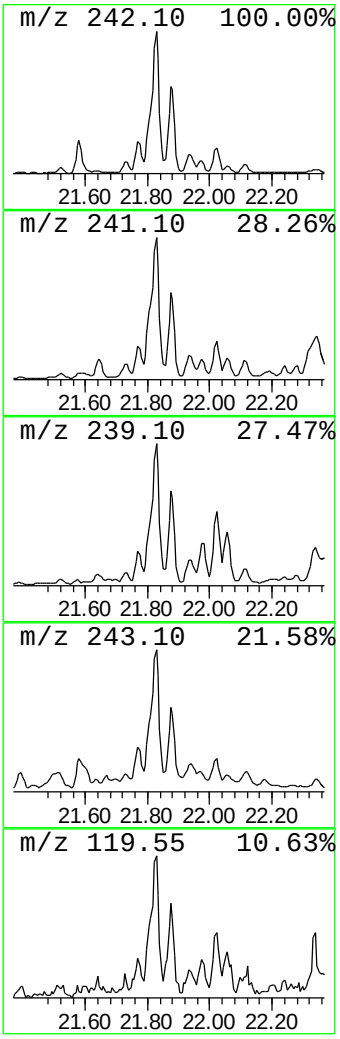
Peak Number 21 1H-Benz[f]indene, 2-phenyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.87	2.87 ng/ul	5421100	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	94
2	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	94
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	93





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D06DL

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Quant Title : SVOA CALIBRATION

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

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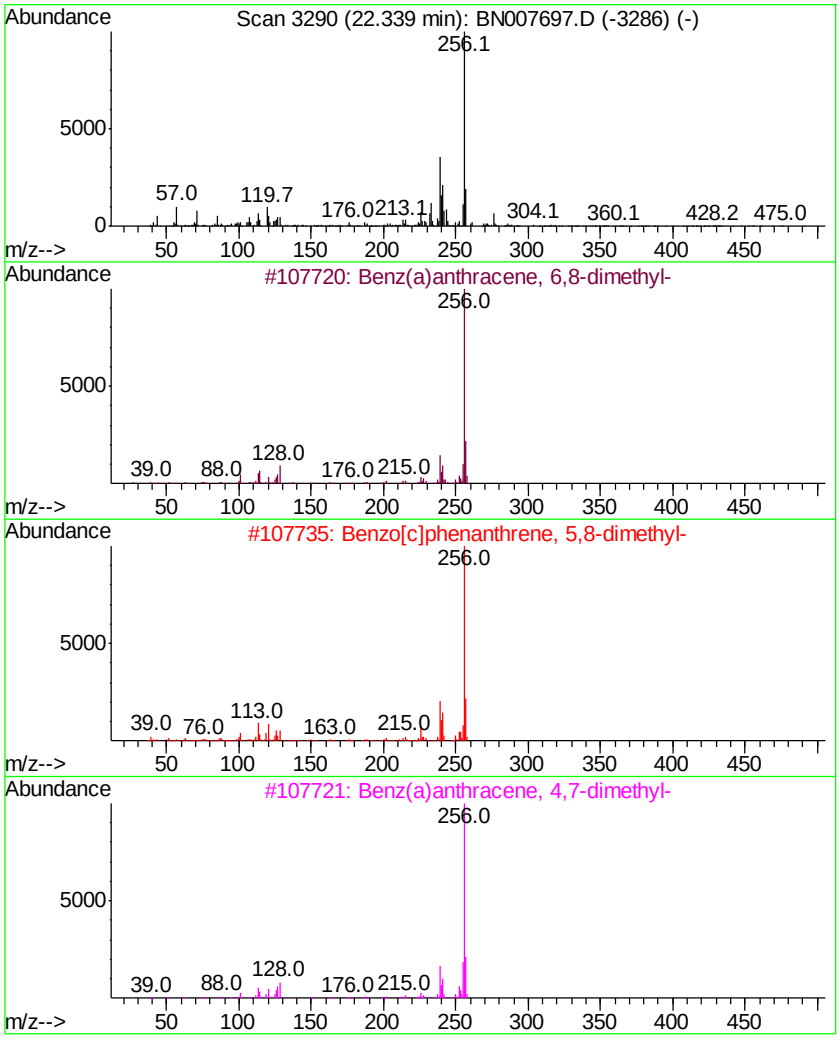
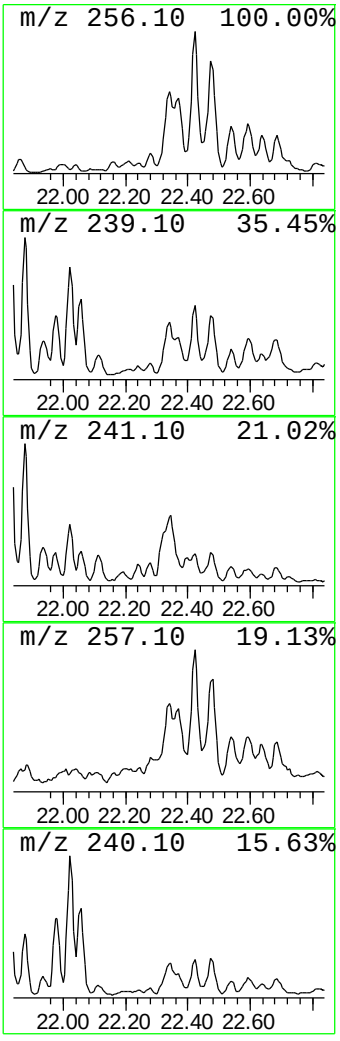
Peak Number 22 Benz(a)anthracene, 6,8-dime... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.34	3.25 ng/ul	6133600	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene, 6,8-dimethyl-	256	C20H16	000317-64-6	87
2	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	86
3	Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	81
4	5,12-Dimethylbenz[a]anthracene	256	C20H16	021297-22-3	81
5	4,12-Dimethylbenz[a]anthracene	256	C20H16	035187-19-0	76





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Misc :
ALS Vial : 6 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

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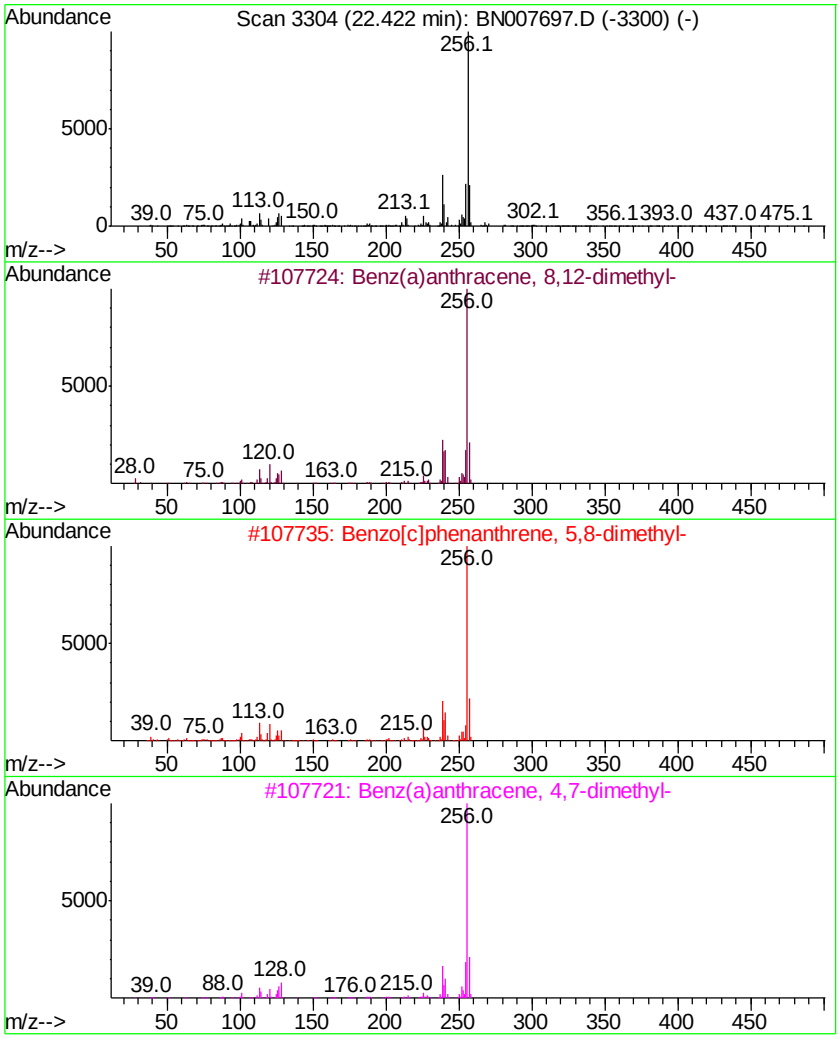
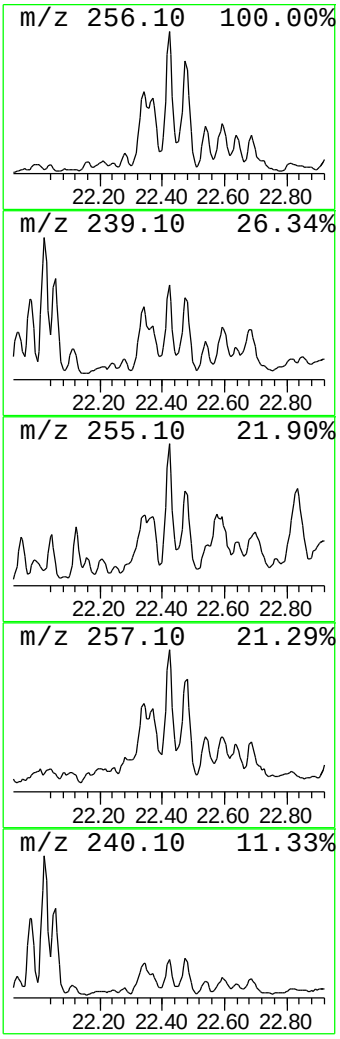
Peak Number 23 Benz(a)anthracene, 8,12-dim... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.42	6.71 ng/ul	3429120	Perylene-d12	23.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene, 8,12-dimethyl-	256	C20H16	020627-31-0	93
2	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	93
3	Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	93
4	Benz(a)anthracene, 7,8-dimethyl-	256	C20H16	000604-81-9	92
5	3,9-Dimethylbenz[a]anthracene	256	C20H16	000316-51-8	89





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Misc :
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Quant Title : SVOA CALIBRATION

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

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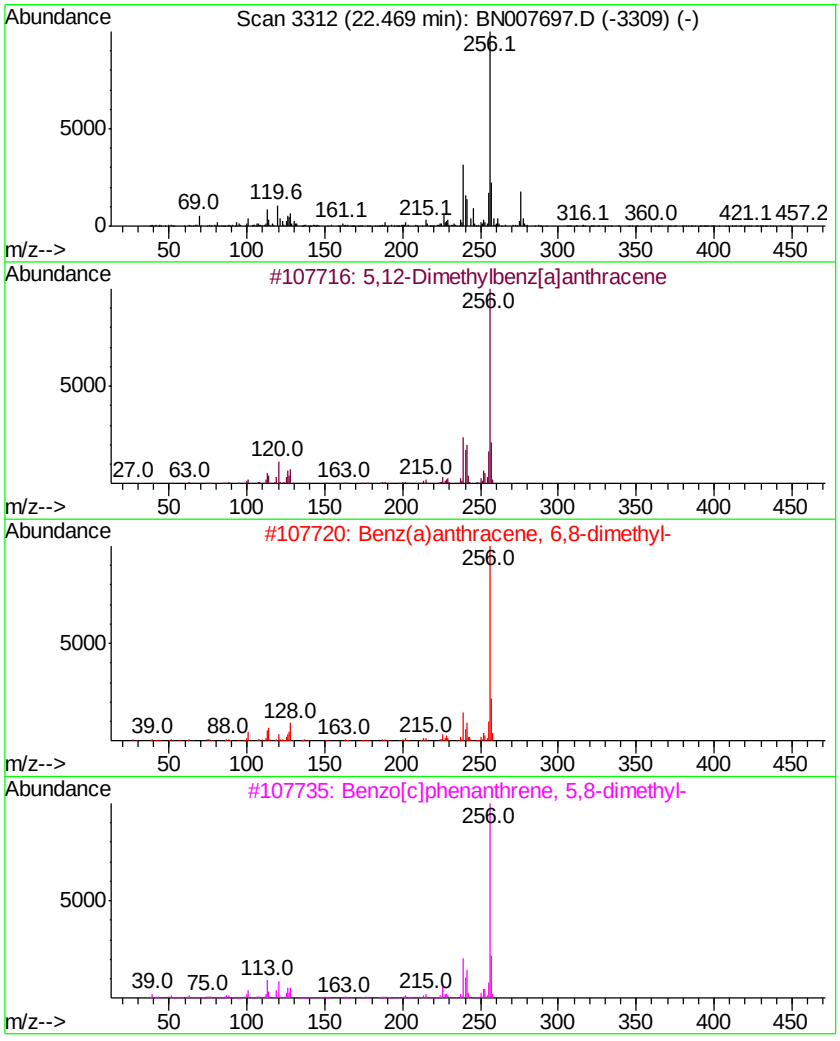
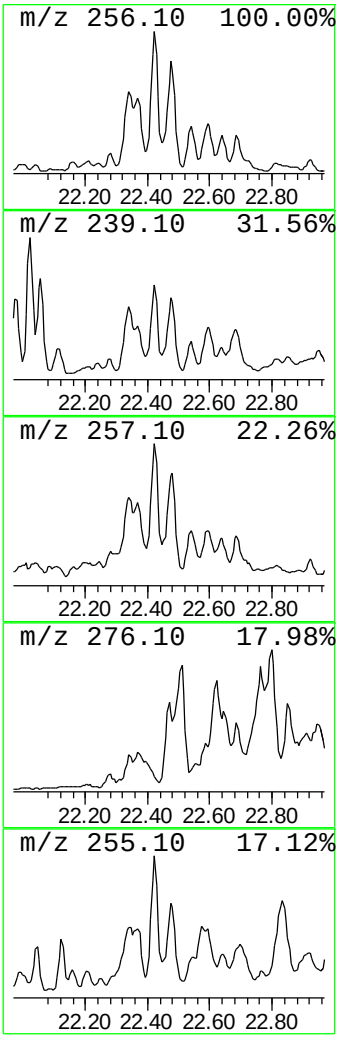
Peak Number 24 5,12-Dimethylbenz[a]anthracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.47	6.55 ng/ul	3344660	Perylene-d12	23.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,12-Dimethylbenz[a]anthracene	256	C20H16	021297-22-3	91
2	Benz(a)anthracene, 6,8-dimethyl-	256	C20H16	000317-64-6	91
3	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	90
4	4,12-Dimethylbenz[a]anthracene	256	C20H16	035187-19-0	87
5	Benz(a)anthracene, 6,7-dimethyl-	256	C20H16	020627-28-5	76





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Quant Title : SVOA CALIBRATION

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

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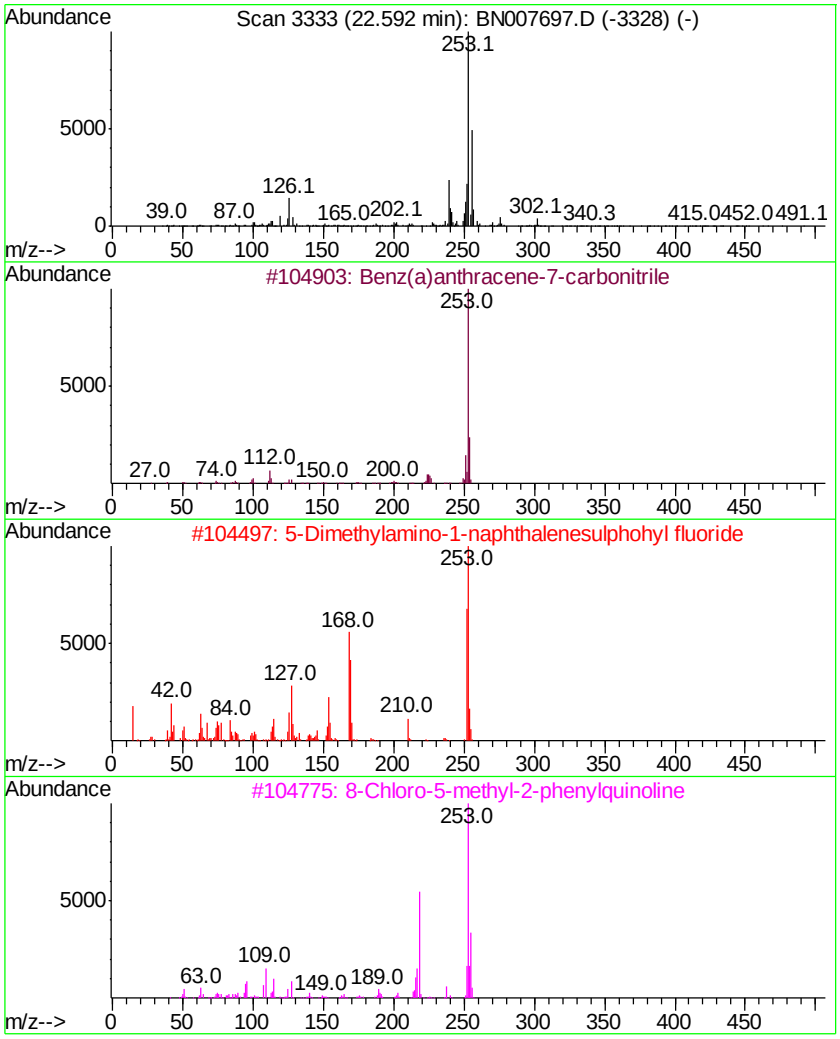
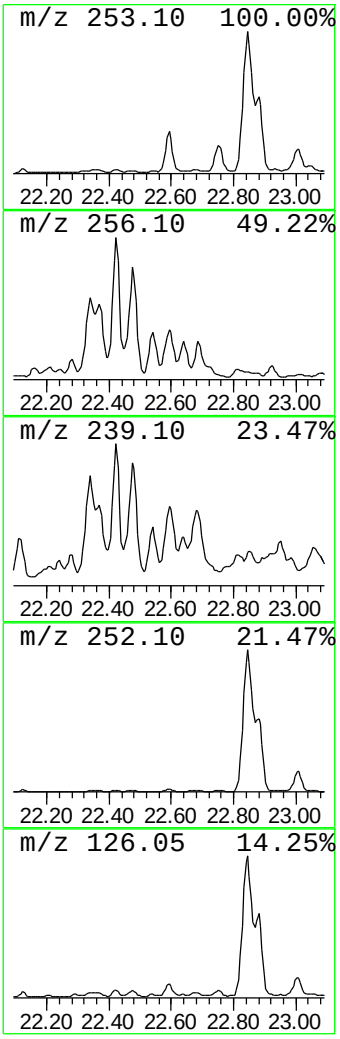
Peak Number 25 unknown-01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.59	6.35 ng/ul	3245600	Perylene-d12	23.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	16
2	5-Dimethylamino-1-naphthalenesul...	253	C12H12FNO2S	1000342-78-6	12
3	8-Chloro-5-methyl-2-phenylquinoline	253	C16H12ClN	025413-16-5	9
4	Phthalic acid, di(2,3-dimethylph...	374	C24H22O4	1000357-09-2	9
5	4-Ethylsulfanyl-3-nitro-N-(2-p-t...	360	C18H20N2O4S	345991-11-9	9





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Misc :
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Quant Title : SVOA CALIBRATION

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

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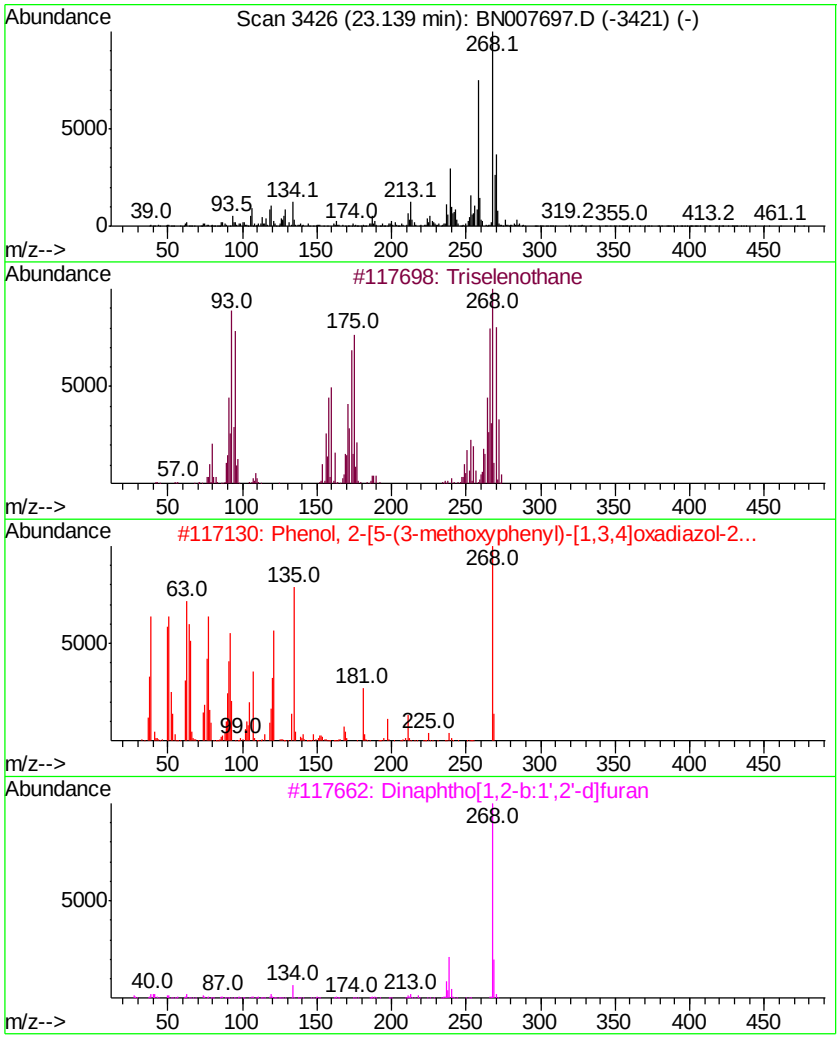
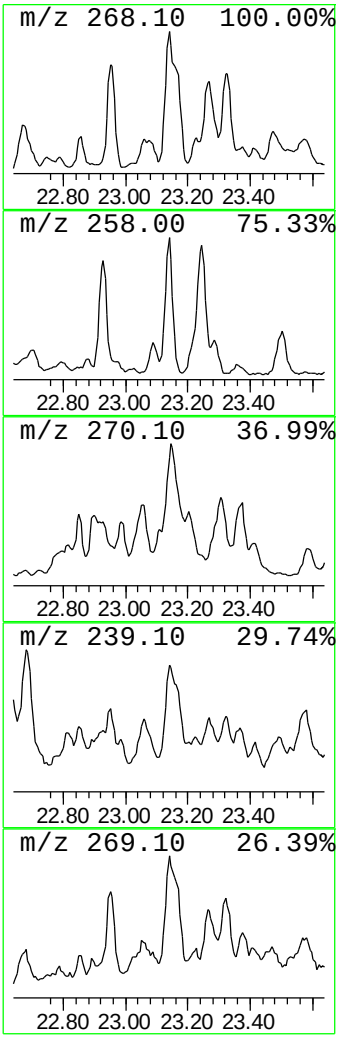
Peak Number 27 Triselenothane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.14	8.12 ng/ul	4145390	Perylene-d12	23.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triselenothane	268	C2H4Se3	121400-83-7	74
2	Phenol, 2-[5-(3-methoxyphenyl)-[...	268	C15H12N2O3	1000303-05-4	60
3	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	50
4	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	49
5	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	38





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Misc :
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Quant Title : SVOA CALIBRATION

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

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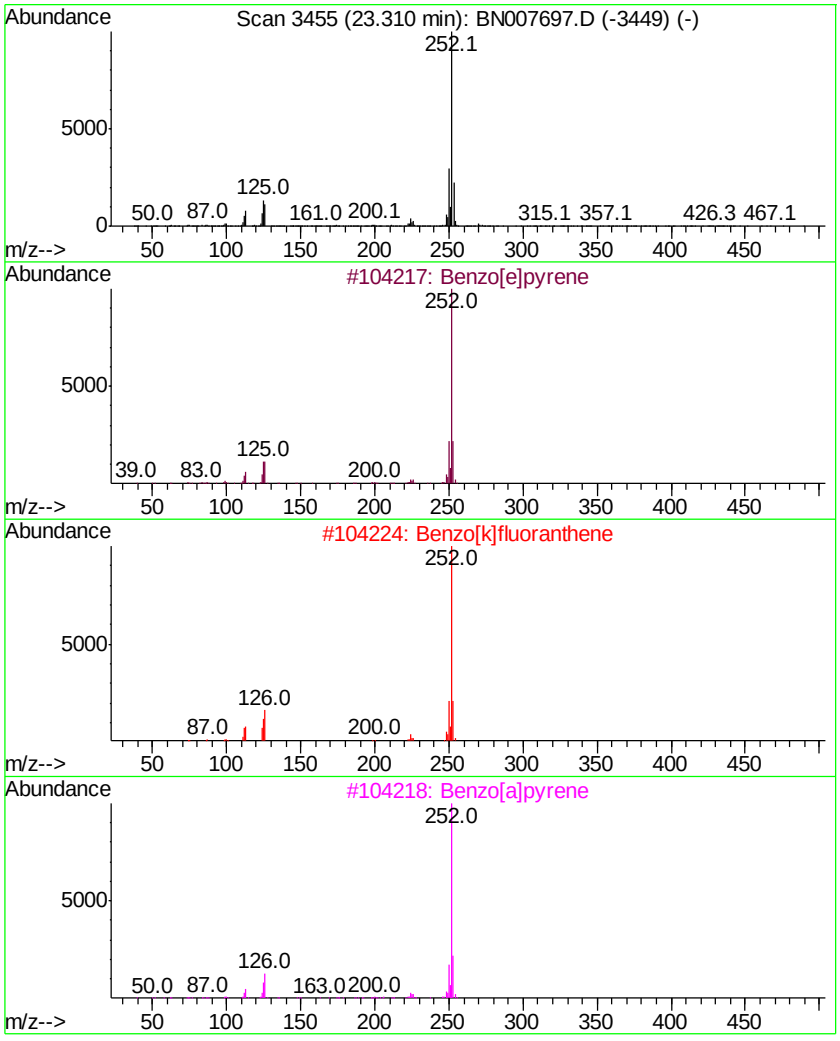
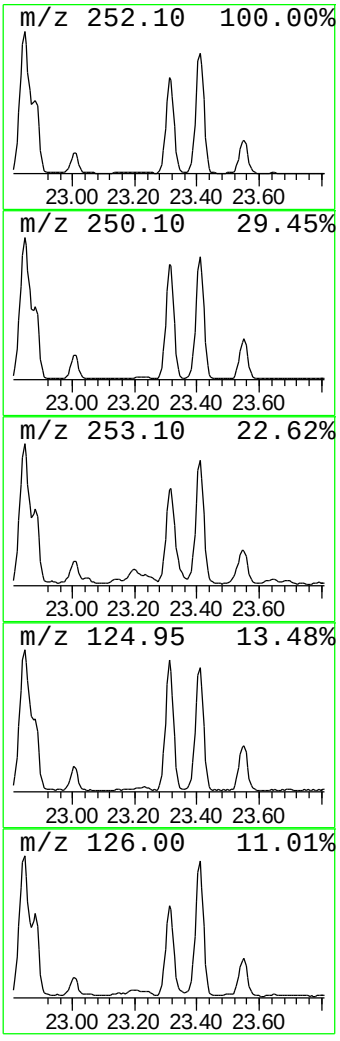
Peak Number 28 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.31	35.48 ng/ul	18119100	Perylene-d12	23.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Perylene	252	C20H12	000198-55-0	95
5	Perylene	252	C20H12	000198-55-0	95





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Quant Title : SVOA CALIBRATION

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

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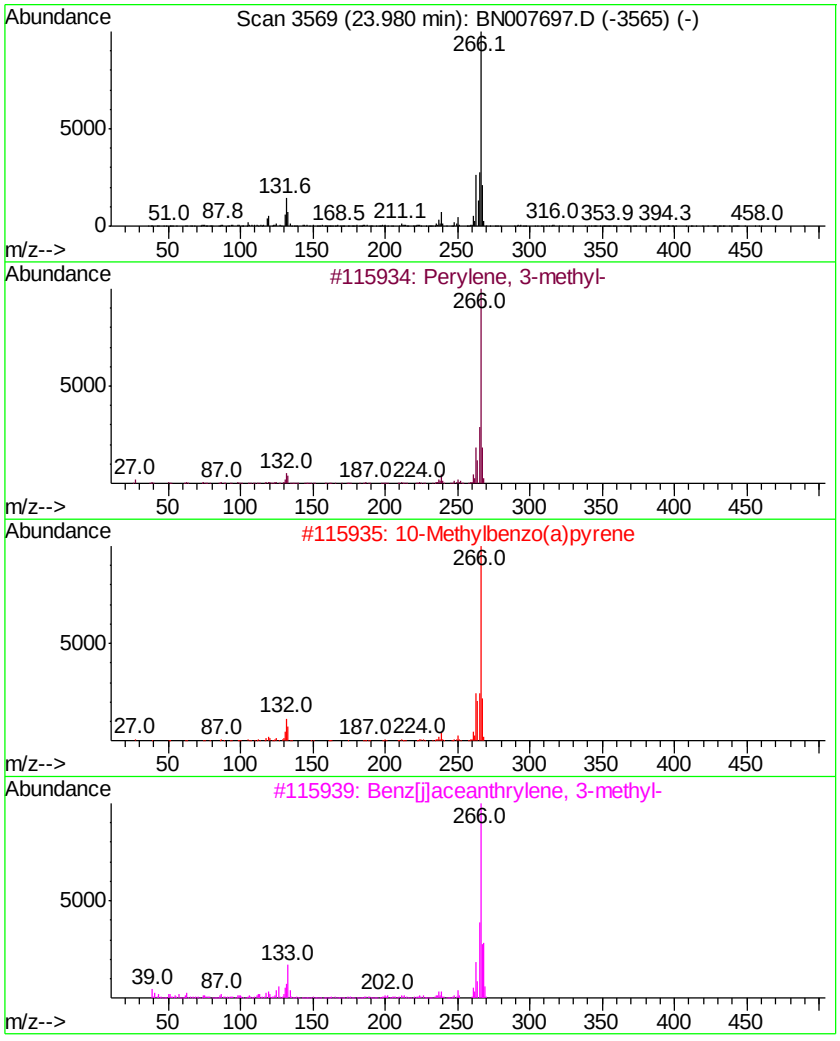
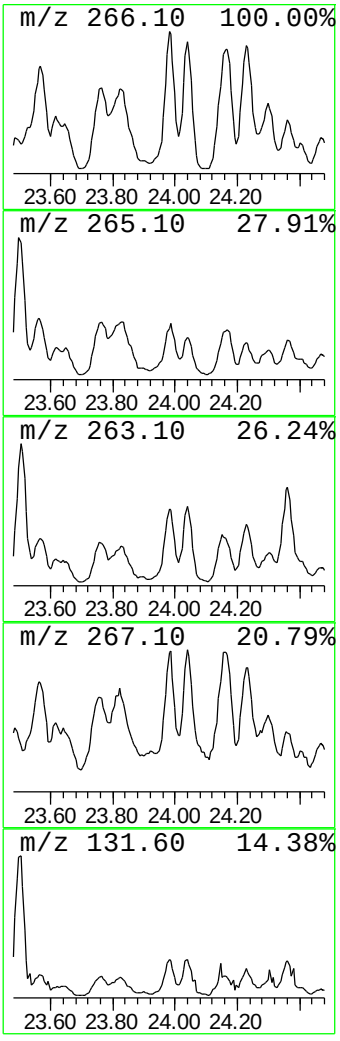
Peak Number 29 Perylene, 3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.98	3.88 ng/ul	1981920	Perylene-d12	23.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene, 3-methyl-	266	C21H14	024471-47-4	97
2	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	70
3	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	70
4	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	70
5	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	60





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Misc :
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Quant Title : SVOA CALIBRATION

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

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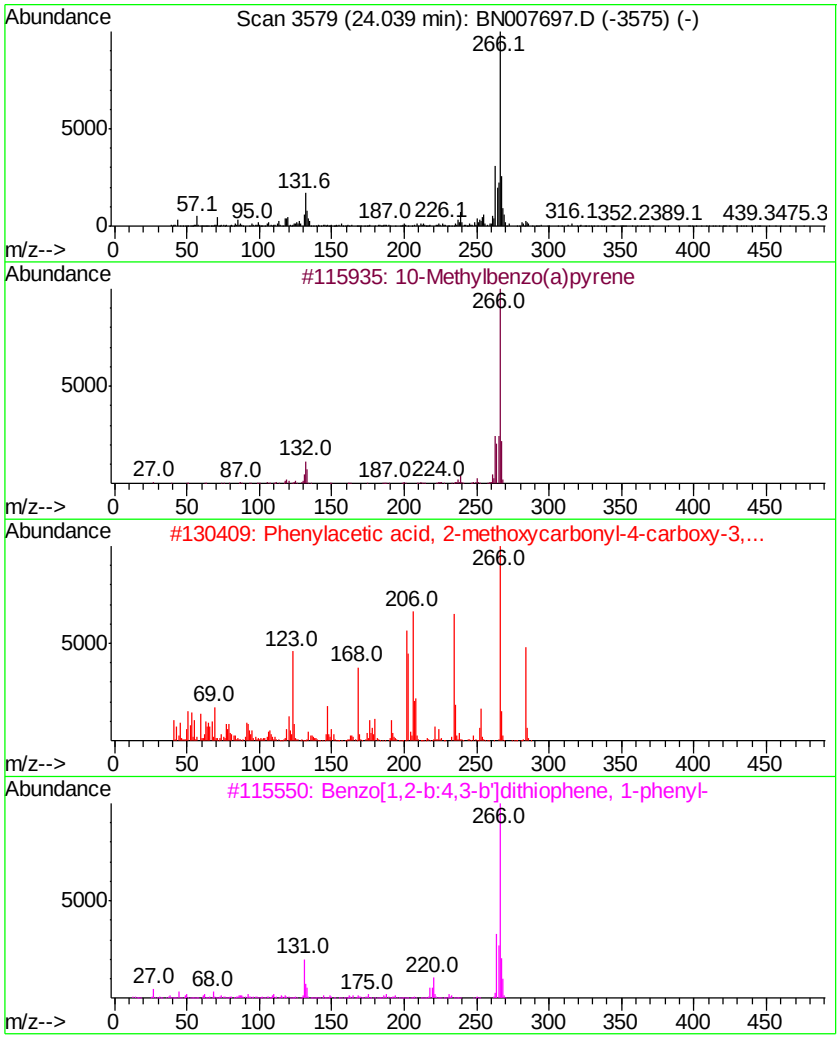
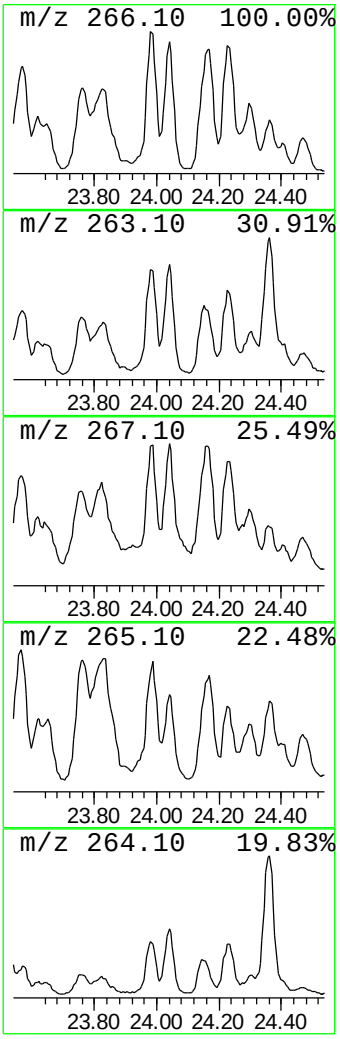
Peak Number 30 10-Methylbenzo(a)pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.04	8.39 ng/ul	4286560	Perylene-d12	23.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	91
2	Phenylacetic acid, 2-methoxycarb...	284	C12H12O8	006121-79-5	83
3	Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	64
4	Perylene, 3-methyl-	266	C21H14	024471-47-4	60
5	3-Chloro-6-methyl-11H-indolo[3,2...	282	C16H11ClN2O	1000212-76-7	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN091719\
Data File : BN007697.D
Acq On : 17 Sep 2019 15:19
Operator : HP/JU
Sample : K4633-08DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : F2D06DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	3.02	49.3	ng/ul	8516760	1	7.70	3458210	20.0
Phenanthrene, 2-m...	17.95	5.4	ng/ul	2398070	4	17.07	8939280	20.0
Anthracene, 2-met...	18.00	7.6	ng/ul	3395830	4	17.07	8939280	20.0
4H-Cyclopenta[def...	18.15	6.1	ng/ul	2708870	4	17.07	8939280	20.0
Phenanthrene, 1-m...	18.18	2.2	ng/ul	964287	4	17.07	8939280	20.0
Naphthalene, 2-ph...	18.45	3.1	ng/ul	1388960	4	17.07	8939280	20.0
9,10-Anthracenedione	18.49	4.9	ng/ul	2202430	4	17.07	8939280	20.0
Phenanthrene, 4,5...	18.70	2.3	ng/ul	1028460	4	17.07	8939280	20.0
Phenanthrene, 3,6...	18.76	2.5	ng/ul	1137360	4	17.07	8939280	20.0
di-p-Tolylacetylene	18.79	2.3	ng/ul	1036370	4	17.07	8939280	20.0
Phenanthrene, 1,7...	18.87	4.1	ng/ul	1846620	4	17.07	8939280	20.0
Cyclopenta(def)ph...	19.02	3.8	ng/ul	1678400	4	17.07	8939280	20.0
11H-Benzo[b]fluorene	20.00	2.1	ng/ul	4003760	5	21.27	37767500	20.0
Pyrene, 1-methyl-	20.16	3.7	ng/ul	6957350	5	21.27	37767500	20.0
Benzo[b]naphtho[2...	20.92	4.8	ng/ul	9161610	5	21.27	37767500	20.0
Benz[c]acridine	21.00	2.4	ng/ul	4436440	5	21.27	37767500	20.0
11H-Benzo[a]fluor...	21.05	2.4	ng/ul	4567300	5	21.27	37767500	20.0
Benzo(b)carbazole	21.59	2.6	ng/ul	4868260	5	21.27	37767500	20.0
Triphenylene, 2-m...	21.83	6.1	ng/ul	11481000	5	21.27	37767500	20.0
1H-Benz[f]indene,...	21.87	2.9	ng/ul	5421100	5	21.27	37767500	20.0
Benz(a)anthracene...	22.34	3.3	ng/ul	6133600	5	21.27	37767500	20.0
Benz(a)anthracene...	22.42	6.7	ng/ul	3429120	6	23.50	10214600	20.0
5,12-Dimethylbenz...	22.47	6.5	ng/ul	3344660	6	23.50	10214600	20.0
unknown-01	22.59	6.3	ng/ul	3245600	6	23.50	10214600	20.0
Triselenothane	23.14	8.1	ng/ul	4145390	6	23.50	10214600	20.0
Benzo[e]pyrene	23.31	35.5	ng/ul	18119100	6	23.50	10214600	20.0
Perylene, 3-methyl-	23.98	3.9	ng/ul	1981920	6	23.50	10214600	20.0
10-Methylbenzo(a)...	24.04	8.4	ng/ul	4286560	6	23.50	10214600	20.0