LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101720\
Data File : BN012312.D
Acq On : 18 Oct 2020 03:22
Operator : CG/JU
Sample : L4235-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

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-BN101720.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	6.781	638	645	659	rBV	559742	961211	5.04%	0.449%
2	6.946	667	673	686	rVB	456083	715825	3.75%	0.335%
3	7.134	699	705	716	rVB	614321	950918	4.99%	0.444%
4	7.599	775	784	793	rBV	1189126	1790312	9.39%	0.837%
5	8.305	897	904	917	rBV	623675	979746	5.14%	0.458%
6	8.746	972	979	988	rBV	569866	943499	4.95%	0.441%
7	9.463	1095	1101	1109	rBV	447928	750164	3.93%	0.351%
8	9.999	1185	1192	1204	rVB	690123	1141511	5.99%	0.533%
9	10.369	1247	1255	1261	rBV	1547000	2561829	13.44%	1.197%
10	10.516	1269	1280	1289	rBV	314818	613297	3.22%	0.287%
11	13.557	1791	1797	1802	rBV	297146	514869	2.70%	0.241%
12	13.657	1809	1814	1818	rVV	1326374	1774654	9.31%	0.829%
13	13.704	1818	1822	1832	rVB	502992	674236	3.54%	0.315%
14	13.934	1852	1861	1873	rBV	1462630	2370895	12.44%	1.108%
15	14.240	1902	1913	1919	rVV	2320017	3456213	18.13%	1.615%
16	14.304	1919	1924	1932	rVV	728129	1058165	5.55%	0.495%
17	14.451	1943	1949	1959	rVV2	392064	727916	3.82%	0.340%
18	14.640	1971	1981	1989	rVV2	583985	971777	5.10%	0.454%
19	14.722	1989	1995	2001	rVV	195184	281314	1.48%	0.131%
20	14.863	2013	2019	2024	rBV2	158512	266161	1.40%	0.124%
21	15.240	2069	2083	2088	rVV	2012904	2952122	15.49%	1.380%
22	15.292	2088	2092	2097	rVV	989714	1433898	7.52%	0.670%
23	15.369	2101	2105	2110	rVV2	450350	771065	4.04%	0.360%
24	15.416	2110	2113	2116	rVV2	205073	299341	1.57%	0.140%
25	15.457	2116	2120	2125	rVV6	174403	317386	1.66%	0.148%
26	15.587	2138	2142	2151	rVB	403127	660220	3.46%	0.309%
27	15.734	2160	2167	2175	rVB	400014	842023	4.42%	0.394%
28	15.969	2202	2207	2215	rVB3	179715	302569	1.59%	0.141%
29	16.298	2252	2263	2268	rBV3	321698	748290	3.93%	0.350%
30	16.345	2268	2271	2277	rVV3	207705	328229	1.72%	0.153%
31	16.528	2299	2302	2305	rVV2	230217	329850	1.73%	0.154%
32	16.569	2305	2309	2312	rVV2	264118	399835	2.10%	0.187%
33	16.645	2317	2322	2329	rVV	489299	754723	3.96%	0.353%
34	16.722	2330	2335	2340	rVV	251742	472435	2.48%	0.221%

LSC Area Percent Report

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Operator : CG/JU
Sample : L4235-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

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-BN101720.M
Title : SVOA CALIBRATION

35	16.810	2345	2350	2359	rVB	550667	867069	4.55%	0.405%
36	16.992	2375	2381	2384	rBV	2750975	3980520	20.88%	1.860%
37	17.034	2384	2388	2393	rVV	10381680	14440111	75.74%	6.748%
38	17.086	2393	2397	2400	rVV2	2097158	3043130	15.96%	1.422%
39	17.122	2400	2403	2409	rVV	2965205	3941918	20.68%	1.842%
40	17.392	2440	2449	2453	rBV	321573	512236	2.69%	0.239%
41	17.510	2465	2469	2474	rVV2	250091	317979	1.67%	0.149%
42	17.569	2475	2479	2488	rVB3	298784	509100	2.67%	0.238%
43	17.863	2520	2529	2533	rBV	1462874	2136608	11.21%	0.999%
44	17.910	2533	2537	2544	rVB	2030753	2857738	14.99%	1.336%
45	17.992	2544	2551	2556	rBV	852544	1190681	6.25%	0.556%
46	18.057	2556	2562	2566	rBV2	1898324	3468500	18.19%	1.621%
47	18.092	2566	2568	2575	rVB	955124	1211119	6.35%	0.566%
48	18.369	2610	2615	2619	rVV	933141	1268238	6.65%	0.593%
49	18.410	2619	2622	2628	rVB2	688346	918796	4.82%	0.429%
50	18.616	2654	2657	2661	rVV	372727	498082	2.61%	0.233%
51	18.669	2662	2666	2669	rVV	364828	462496	2.43%	0.216%
52	18.704	2669	2672	2677	rVB	297782	405986	2.13%	0.190%
53	18.792	2681	2687	2691	rVV	741787	1307887	6.86%	0.611%
54	18.851	2691	2697	2701	rVV3	476094	1096076	5.75%	0.512%
55	18.886	2701	2703	2706	rVB	283706	268480	1.41%	0.125%
56	18.933	2706	2711	2718	rBV	736179	1248374	6.55%	0.583%
57	19.063	2726	2733	2739	rVB	14012135	19064237	100.00%	8.909%
58	19.122	2739	2743	2746	rBV	224090	285733	1.50%	0.134%
59	19.157	2746	2749	2754	rVB3	233799	302639	1.59%	0.141%
60	19.257	2760	2766	2769	rBV4	224130	430739	2.26%	0.201%
61	19.298	2769	2773	2777	rVV	493046	729515	3.83%	0.341%
62	19.392	2783	2789	2791	rVV2	4535782	6546181	34.34%	3.059%
63	19.422	2791	2794	2802	rVV	11594986	15294829	80.23%	7.148%
64	19.492	2802	2806	2813	rVB2	598444	973781	5.11%	0.455%
65	19.598	2820	2824	2830	rVB	668606	928112	4.87%	0.434%
66	19.657	2830	2834	2840	rVB5	210142	353041	1.85%	0.165%
67	19.745	2843	2849	2856	rBV2	771513	2007273	10.53%	0.938%
68	19.880	2867	2872	2874	rBV3	606303	900008	4.72%	0.421%
69	19.916	2875	2878	2883	rVB2	1418010	1921364	10.08%	0.898%
70	20.022	2891	2896	2899	rBV	762972	960080	5.04%	0.449%
71	20.075	2899	2905	2909	rVV2	1111887	1789646	9.39%	0.836%

LSC Area Percent Report

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Operator : CG/JU
Sample : L4235-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

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-BN101720.M
Title : SVOA CALIBRATION

72	20.157	2916	2919	2924	rVB2	230432	312853	1.64%	0.146%
73	20.216	2925	2929	2932	rBV2	608863	712540	3.74%	0.333%
74	20.263	2932	2937	2941	rVV2	578868	806266	4.23%	0.377%
75	20.380	2954	2957	2961	rVB3	261957	363619	1.91%	0.170%
76	20.669	3002	3006	3012	rVB	1110693	1520532	7.98%	0.711%
77	20.833	3027	3034	3037	rBV2	1009331	1758904	9.23%	0.822%
78	20.869	3037	3040	3044	rVV	1060827	1375554	7.22%	0.643%
79	20.910	3044	3047	3052	rVV3	1897925	2687677	14.10%	1.256%
80	20.963	3052	3056	3065	rVB2	1239768	1821770	9.56%	0.851%
81	21.075	3068	3075	3084	rBV2	307155	888985	4.66%	0.415%
82	21.174	3086	3092	3097	rBV2	8430181	14665261	76.93%	6.854%
83	21.227	3097	3101	3110	rVB	5905209	7631974	40.03%	3.567%
84	21.339	3117	3120	3126	rBV2	769134	1124655	5.90%	0.526%
85	21.492	3142	3146	3152	rBV2	610509	1142733	5.99%	0.534%
86	21.545	3152	3155	3158	rVV3	231301	282183	1.48%	0.132%
87	21.674	3174	3177	3180	rBV	300953	380378	2.00%	0.178%
88	21.727	3180	3186	3190	rVV	1216270	1761640	9.24%	0.823%
89	21.774	3191	3194	3201	rVB	771716	1221534	6.41%	0.571%
90	21.916	3215	3218	3221	rBV2	469899	613280	3.22%	0.287%
91	22.716	3348	3354	3359	rBV	4612658	10048863	52.71%	4.696%
92	22.880	3378	3382	3388	rVB	761548	1166217	6.12%	0.545%
93	23.180	3427	3433	3437	rBV	2186943	3739335	19.61%	1.748%
94	23.227	3437	3441	3444	rVV	1773503	3010312	15.79%	1.407%
95	23.274	3444	3449	3455	rVB	3896005	6898763	36.19%	3.224%
96	23.363	3459	3464	3469	rVV	2345698	4408761	23.13%	2.060%
97	23.410	3469	3472	3481	rVB2	1060027	1905162	9.99%	0.890%
98	23.880	3548	3552	3559	rVB2	723266	1272776	6.68%	0.595%
99	25.539	3826	3834	3846	rVB3	1758054	4854161	25.46%	2.269%
100	26.204	3940	3947	3957	rVB2	1119589	3047612	15.99%	1.424%

Sum of corrected areas: 213979100

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101720\
Data File : BN012312.D
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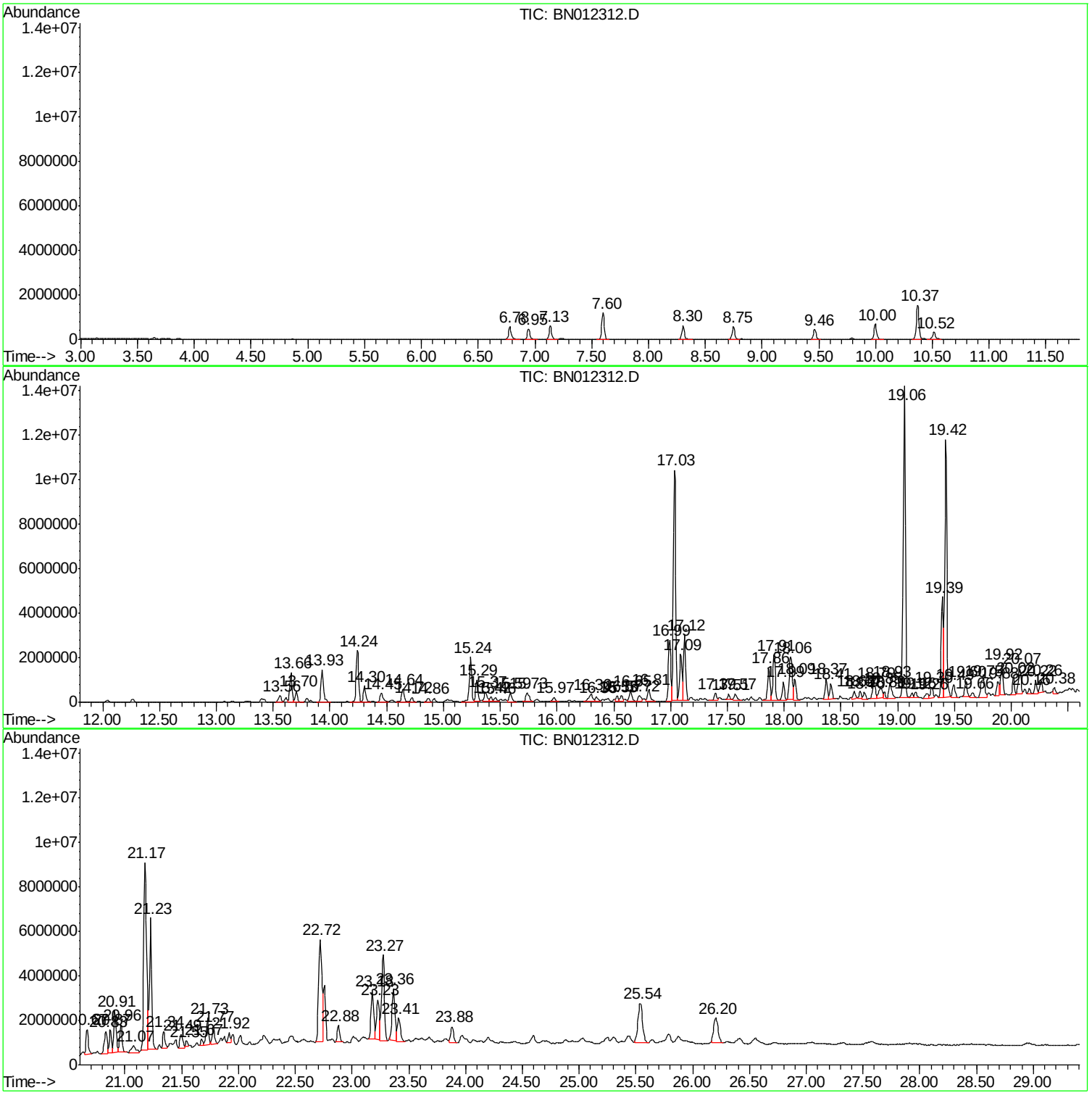
Sample : L4235-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN101720.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101720\
Data File : BN012312.D
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Instrument : BNA_N
ClientSampleId : C0AS9

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Quant Title : SVOA CALIBRATION

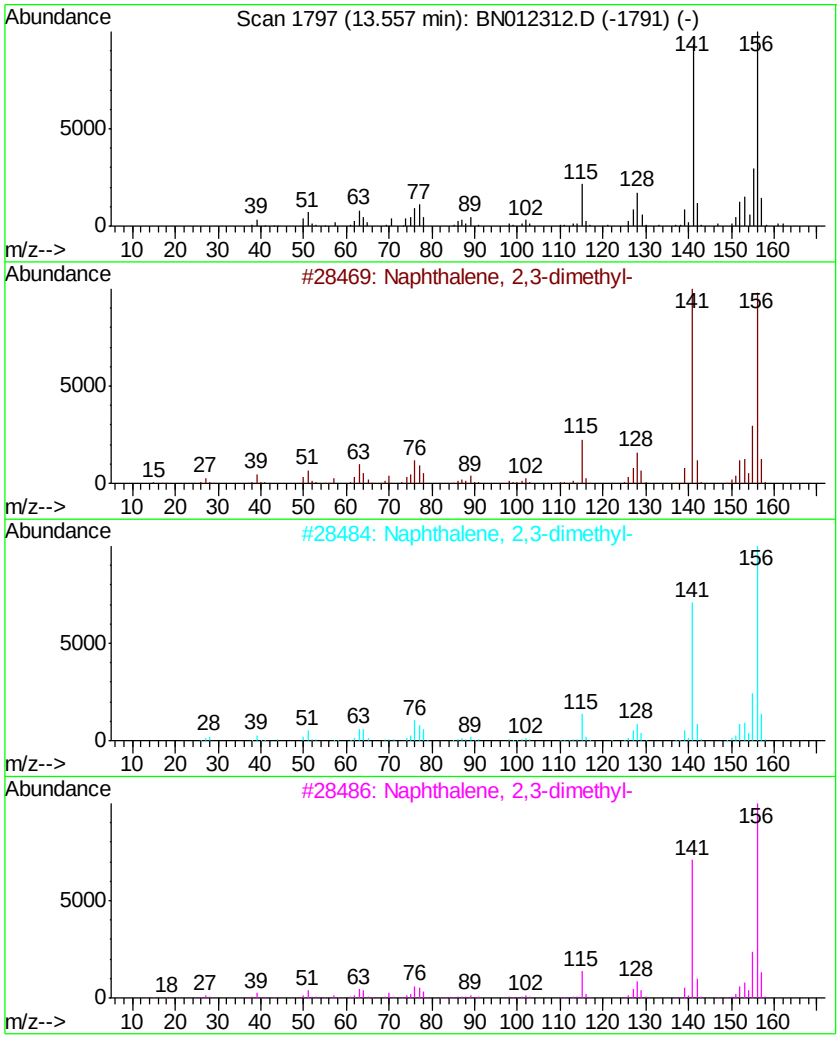
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

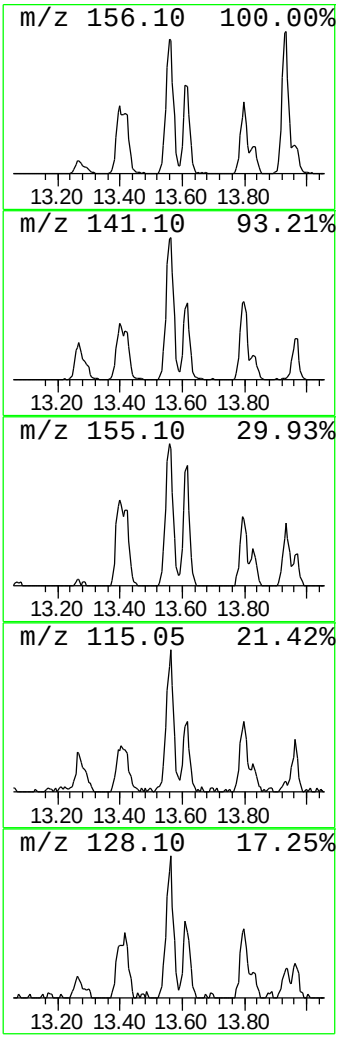
****

Peak Number 1 Naphthalene, 2,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.56	2.98 ng/ul	514869	Acenaphthene-d10	14.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101720\
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Operator : CG/JU
Sample : L4235-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN101720.M
Quant Title : SVOA CALIBRATION

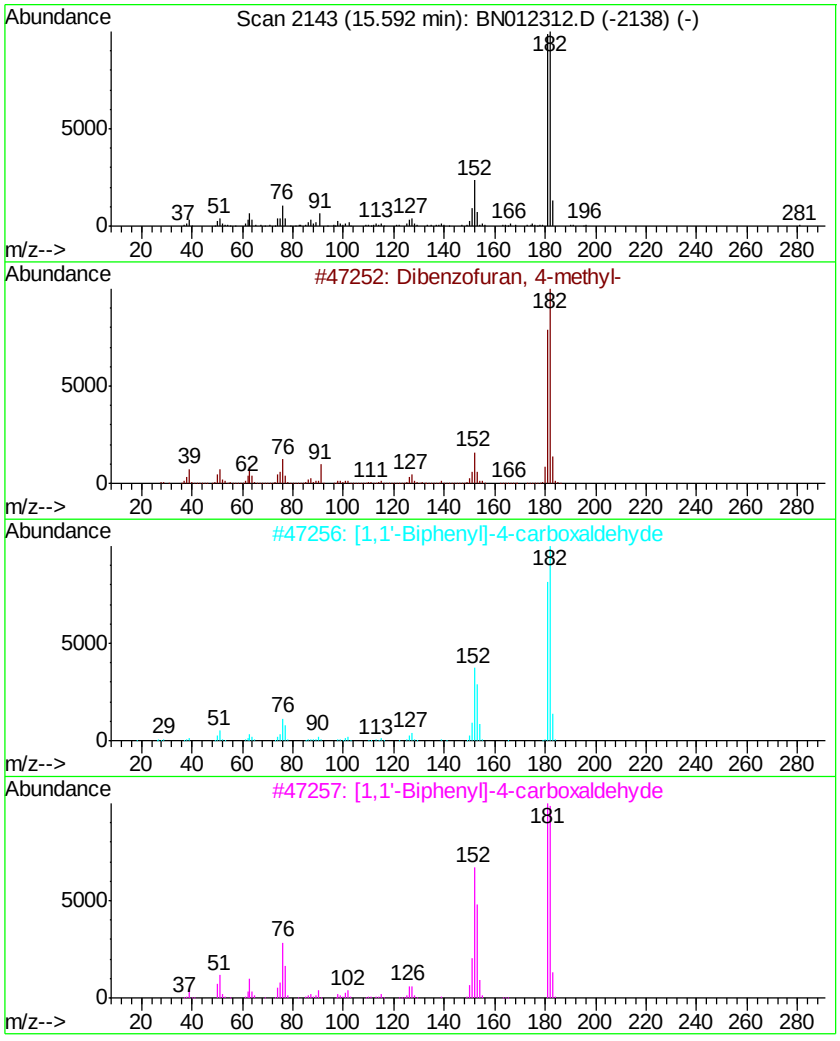
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

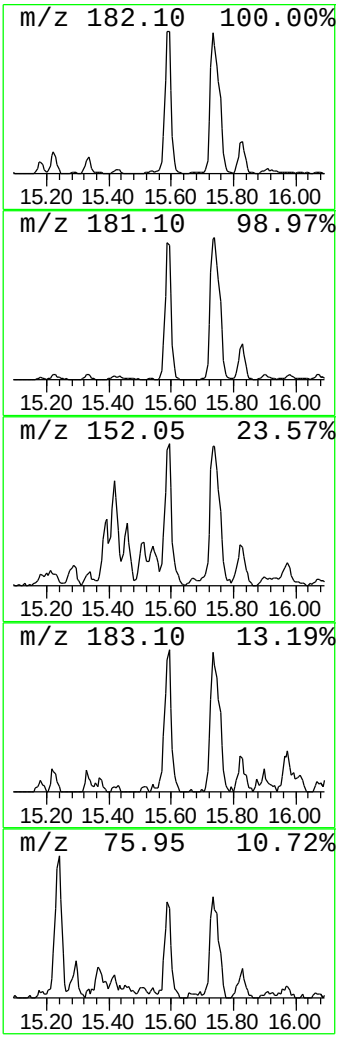
****

Peak Number 2 Dibenzofuran, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.59	3.82 ng/ul	660220	Acenaphthene-d10	14.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	93
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	9H-Xanthene	182	C13H10O	000092-83-1	72





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Instrument : BNA_N
ClientSampleId : C0AS9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN101720.M
Quant Title : SVOA CALIBRATION

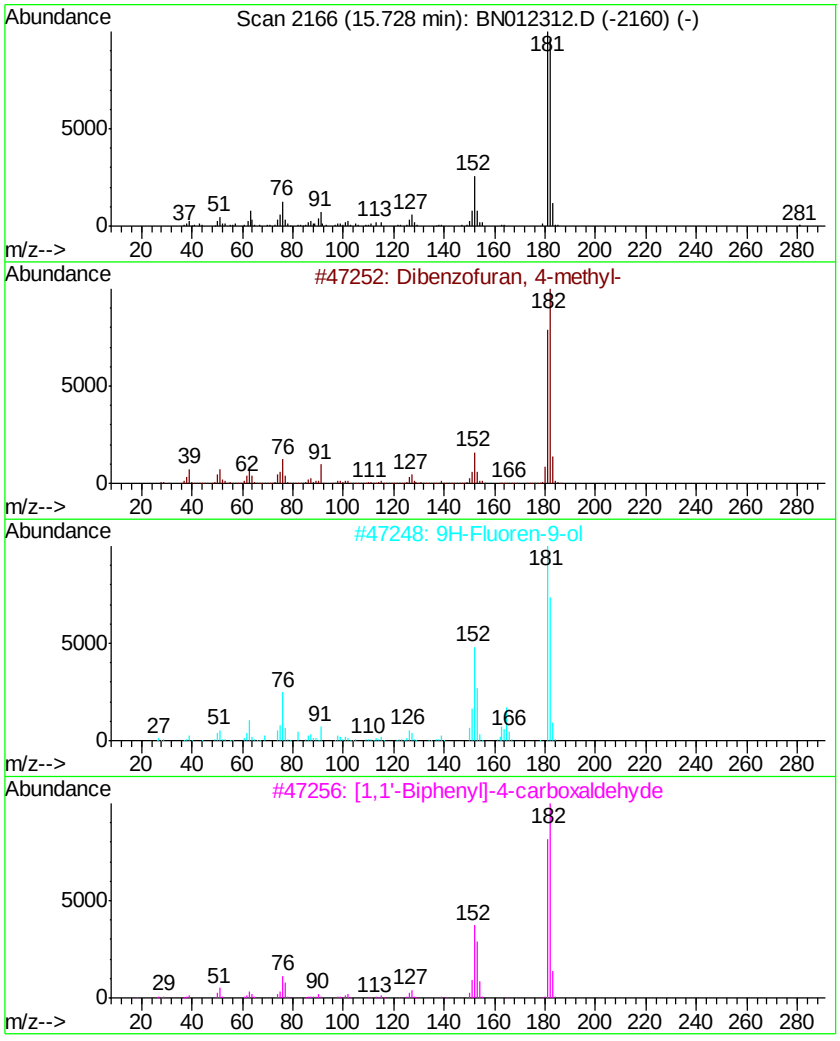
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

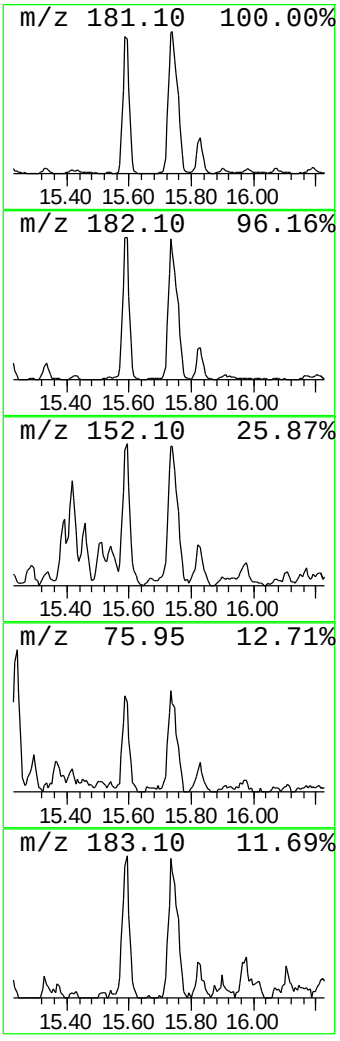
****

Peak Number 3 9H-Fluoren-9-ol Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	4.23 ng/ul	842023	Phenanthrene-d10	16.99

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





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Misc :
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Instrument : BNA_N
ClientSampleId : C0AS9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN101720.M
Quant Title : SVOA CALIBRATION

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

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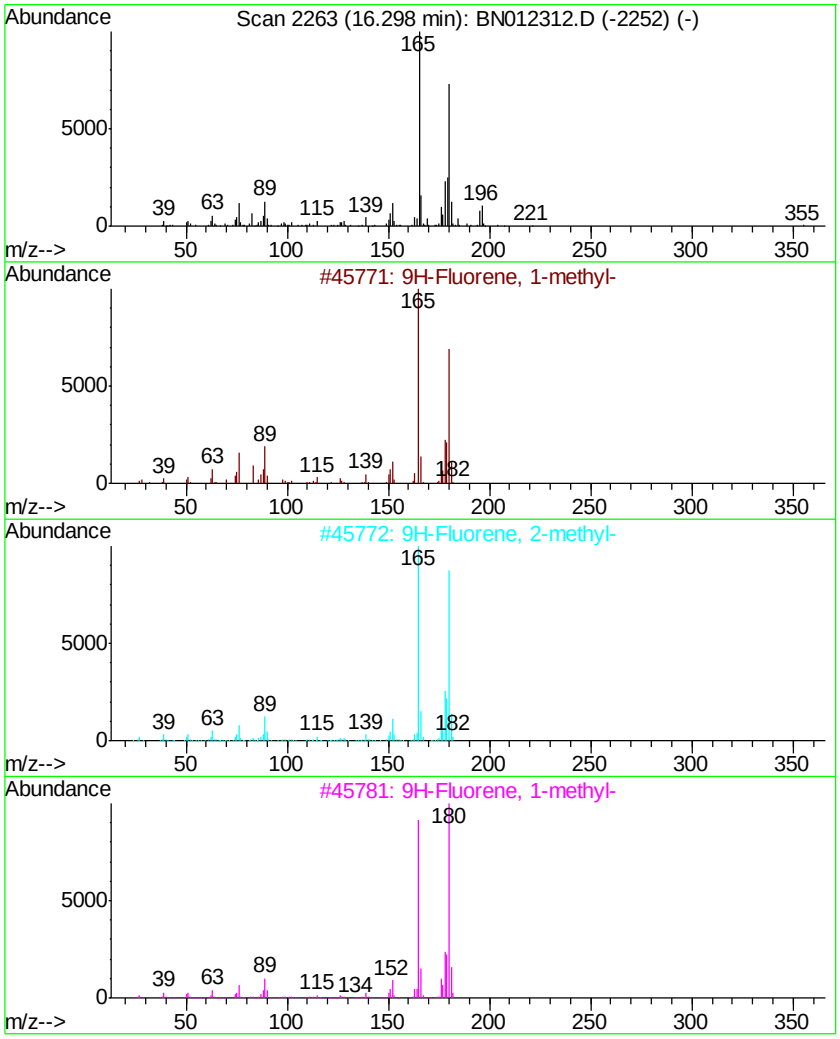
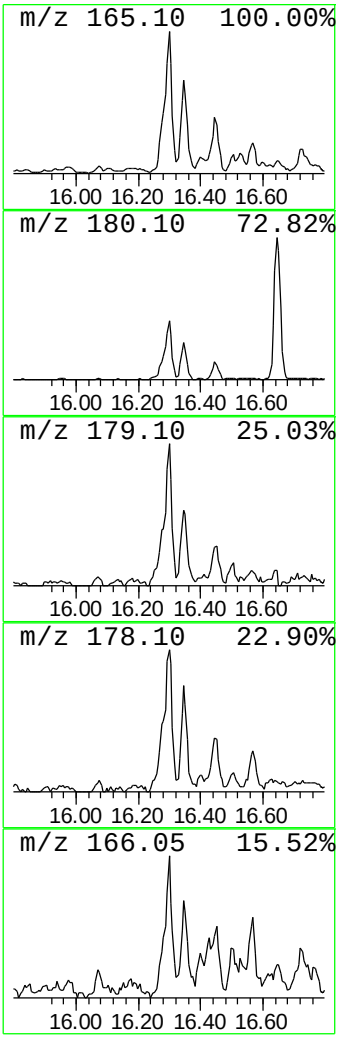
Peak Number 4 9H-Fluorene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.30	3.76 ng/ul	748290	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101720\
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Operator : CG/JU
Sample : L4235-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN101720.M
Quant Title : SVOA CALIBRATION

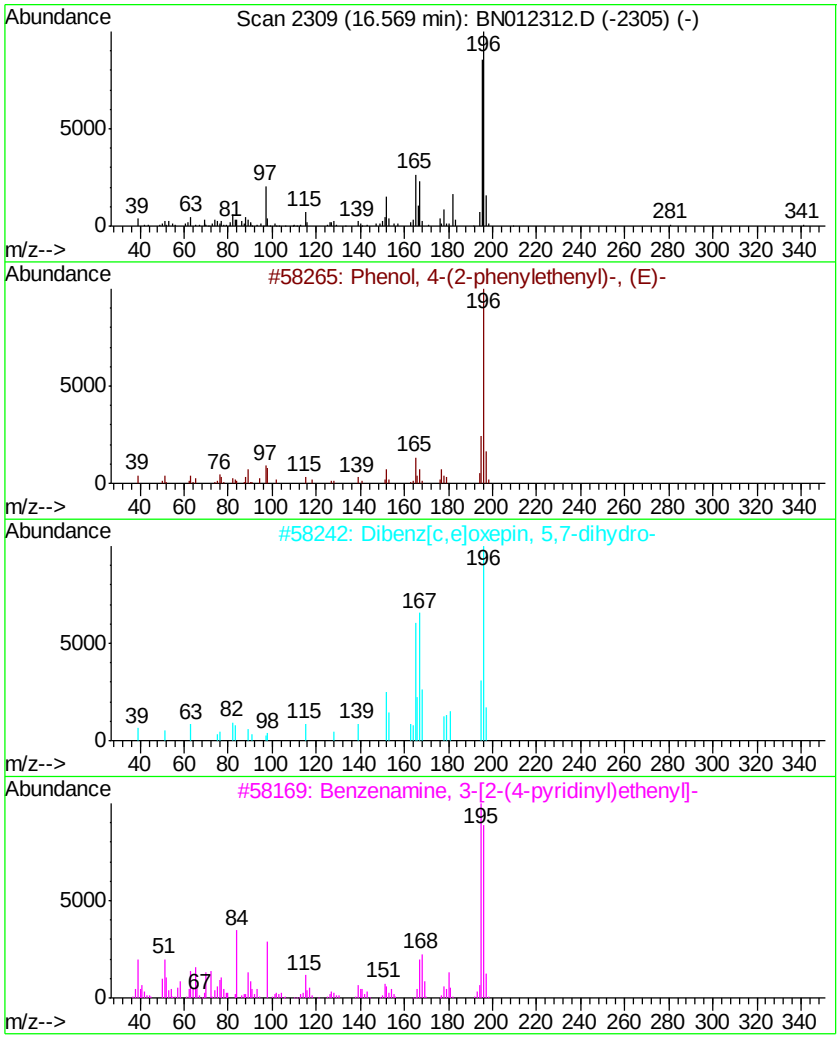
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

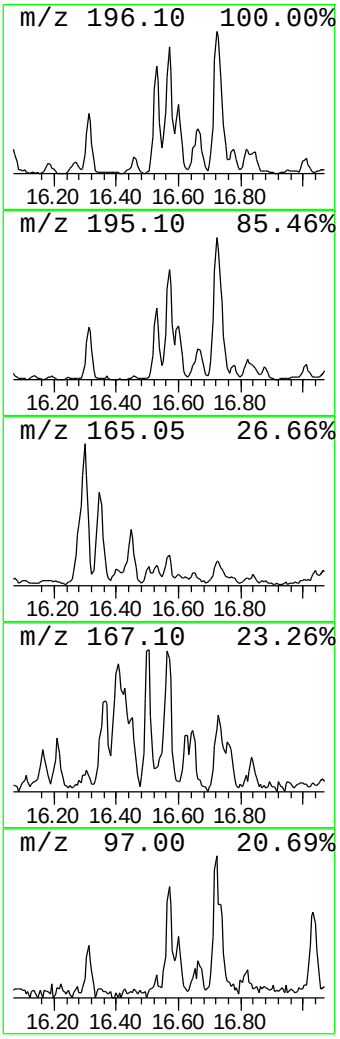
****

Peak Number 5 Phenol, 4-(2-phenylethenyl)... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.57	2.01 ng/ul	399835	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	64
2	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	60
3	Benzenamine, 3-[2-(4-pyridinyl)e...	196	C13H12N2	1000337-31-3	58
4	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	50
5	Methanone, diphenyl-, hydrazone	196	C13H12N2	005350-57-2	49





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Operator : CG/JU
Sample : L4235-06
Misc :
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Instrument : BNA_N
ClientSampleId : C0AS9

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Quant Title : SVOA CALIBRATION

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

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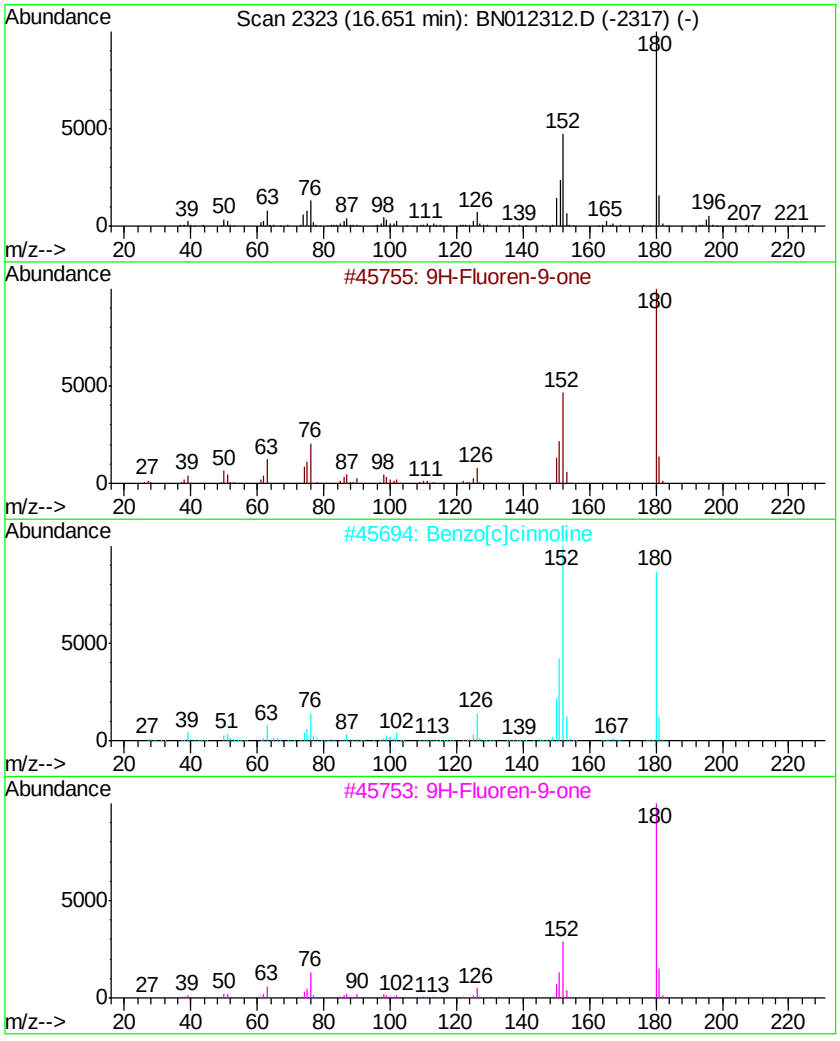
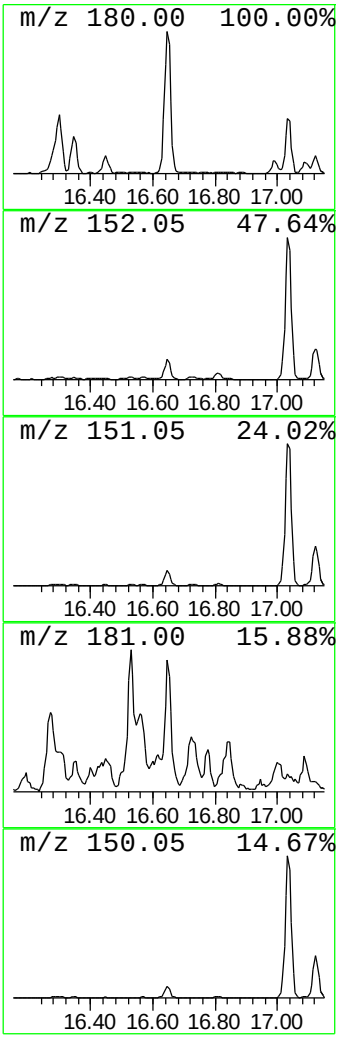
Peak Number 6 9H-Fluoren-9-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.65	3.79 ng/ul	754723	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91





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Sample : L4235-06
Misc :
ALS Vial : 27 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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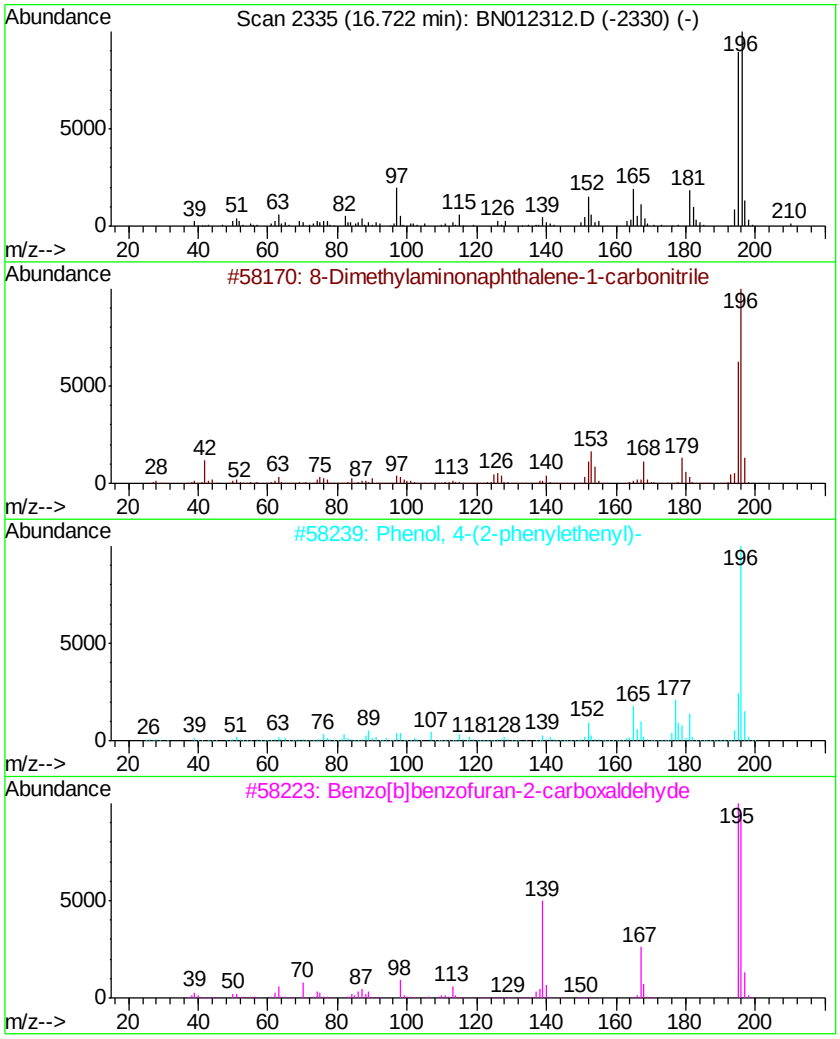
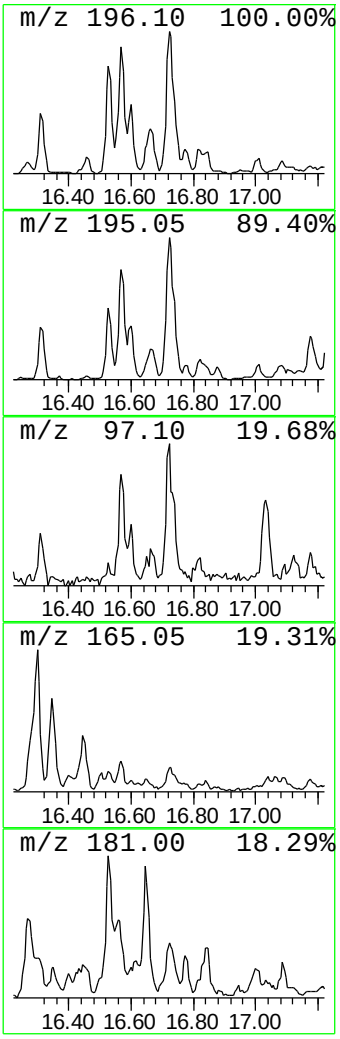
Peak Number 7 8-Dimethylaminonaphthalene-... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	2.37 ng/ul	472435	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	64
2	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	64
3	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	62
4	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	58
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	47





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Instrument : BNA_N
ClientSampleId : C0AS9

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Quant Title : SVOA CALIBRATION

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

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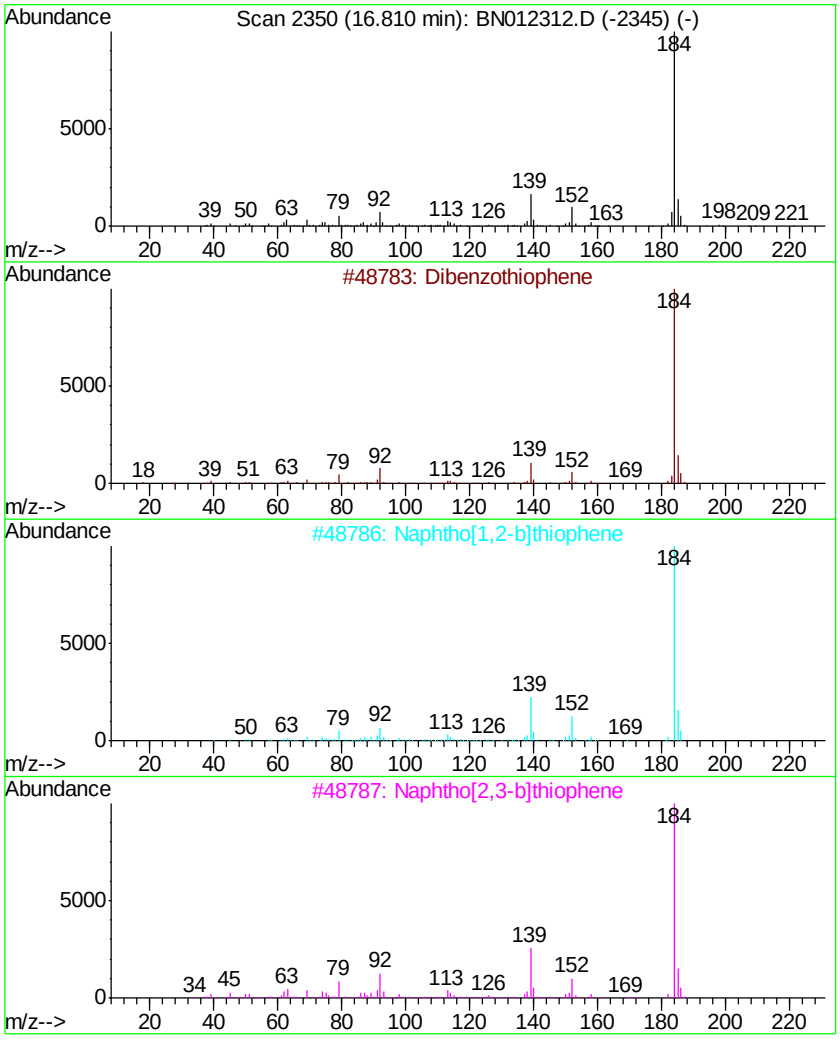
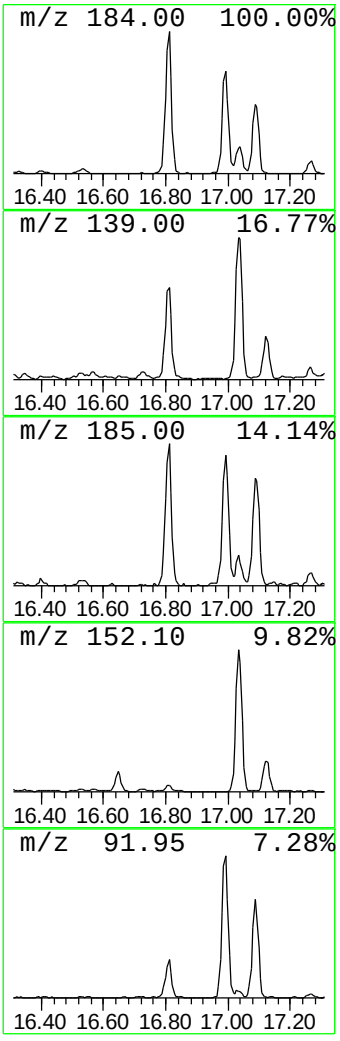
Peak Number 8 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.81	4.36 ng/ul	867069	Phenanthrene-d10	16.99

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





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Quant Title : SVOA CALIBRATION

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

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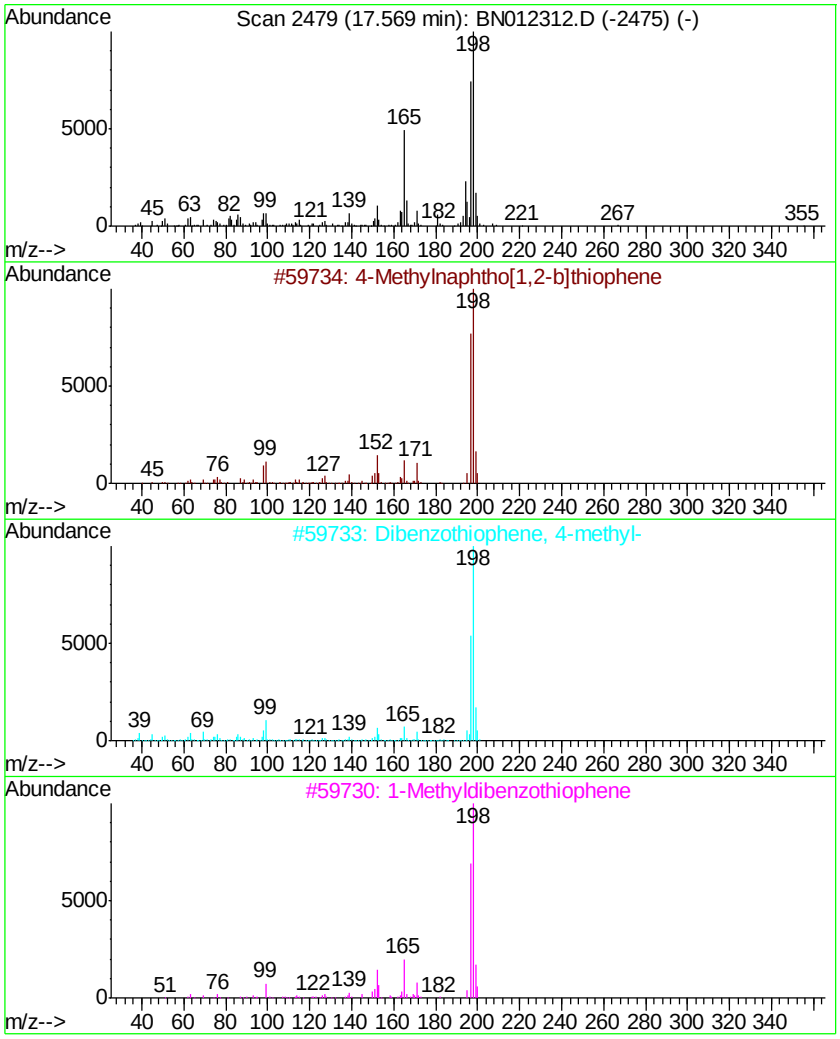
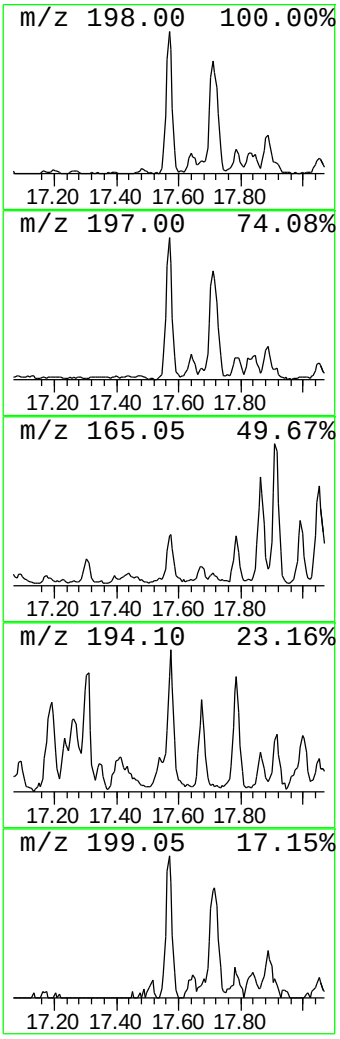
Peak Number 9 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.57	2.56 ng/ul	509100	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	93
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	76
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	76
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	53
5	Tacrine	198	C13H14N2	000321-64-2	50





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Quant Title : SVOA CALIBRATION

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

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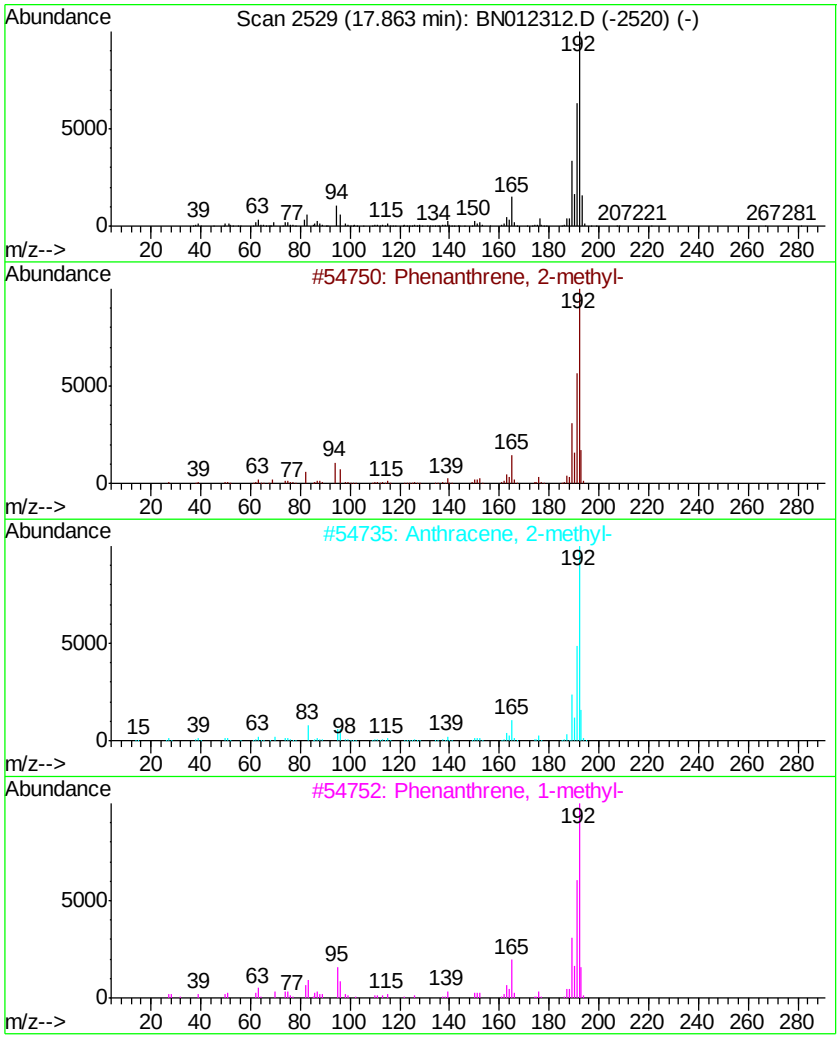
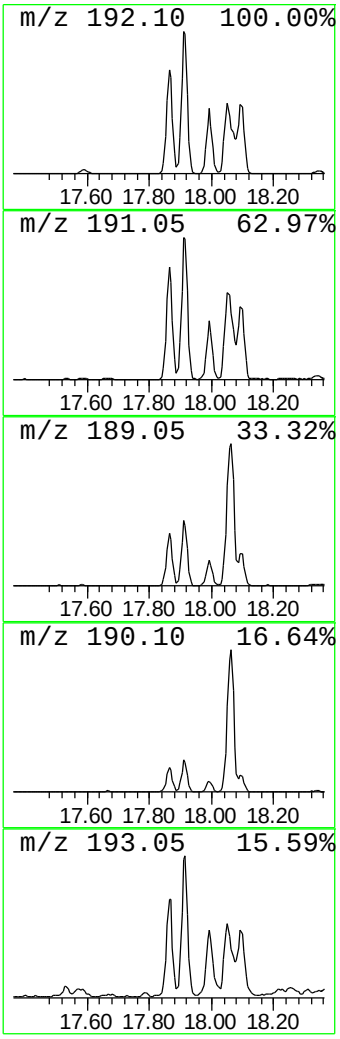
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	10.74 ng/ul	2136610	Phenanthrene-d10	16.99

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, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





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Sample : L4235-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

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Quant Title : SVOA CALIBRATION

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

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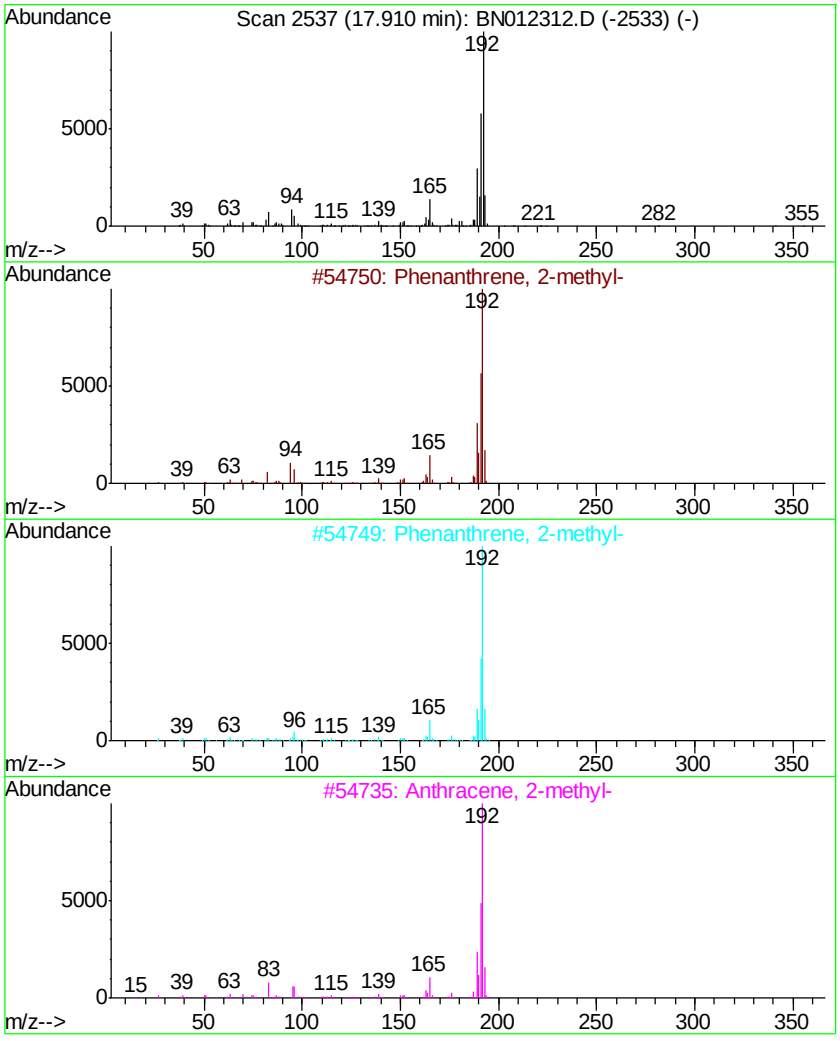
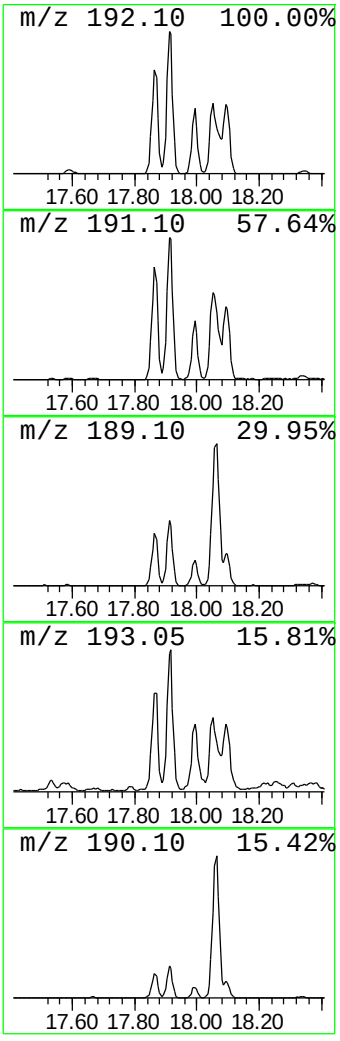
Peak Number 11 Anthracene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.91	14.36 ng/ul	2857740	Phenanthrene-d10	16.99

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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





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Operator : CG/JU
Sample : L4235-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

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Quant Title : SVOA CALIBRATION

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

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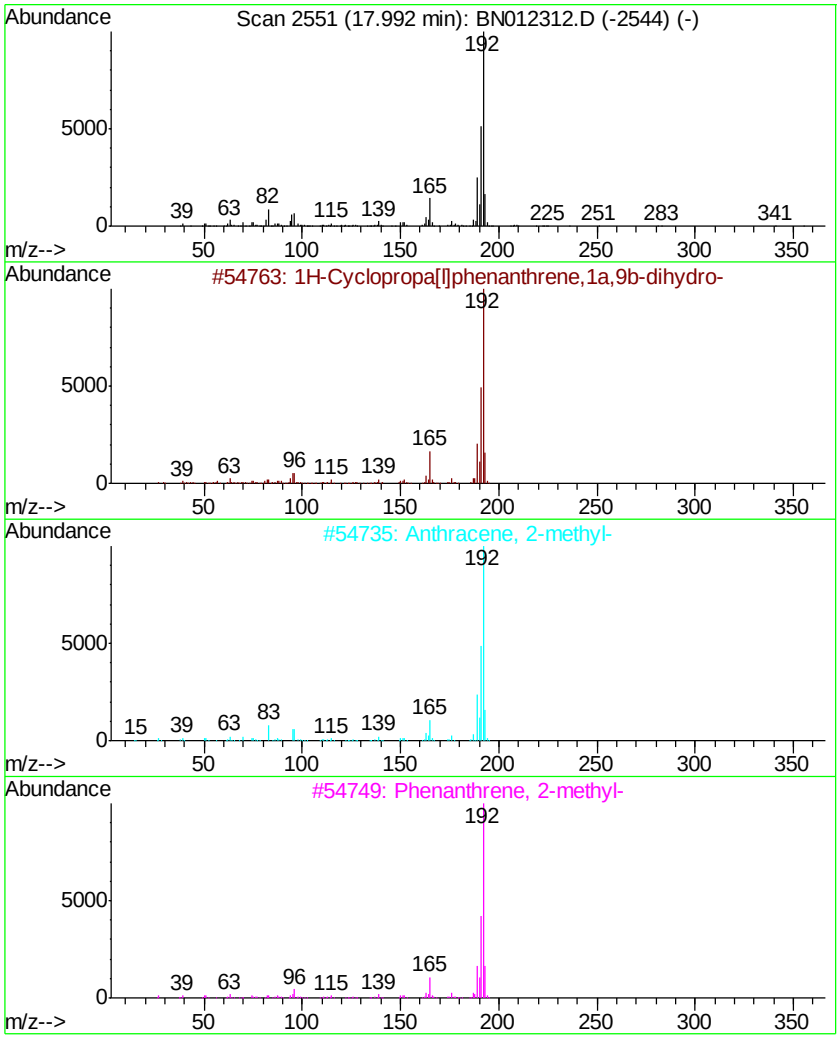
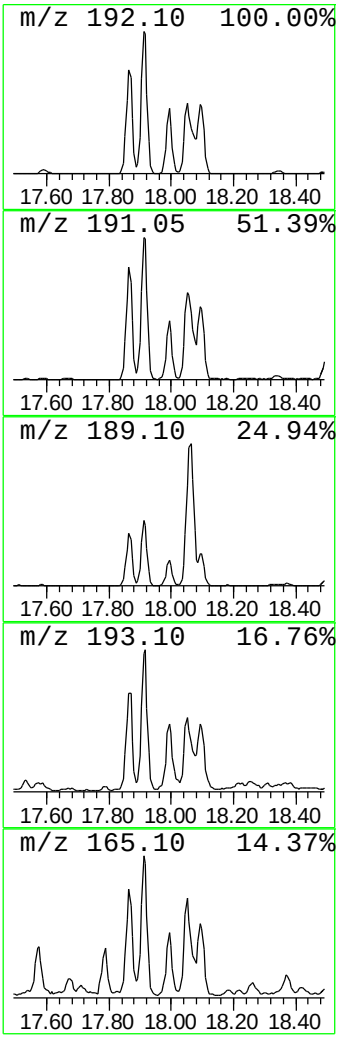
Peak Number 12 1H-Cyclopropa[l]phenanthren... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	5.98 ng/ul	1190680	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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

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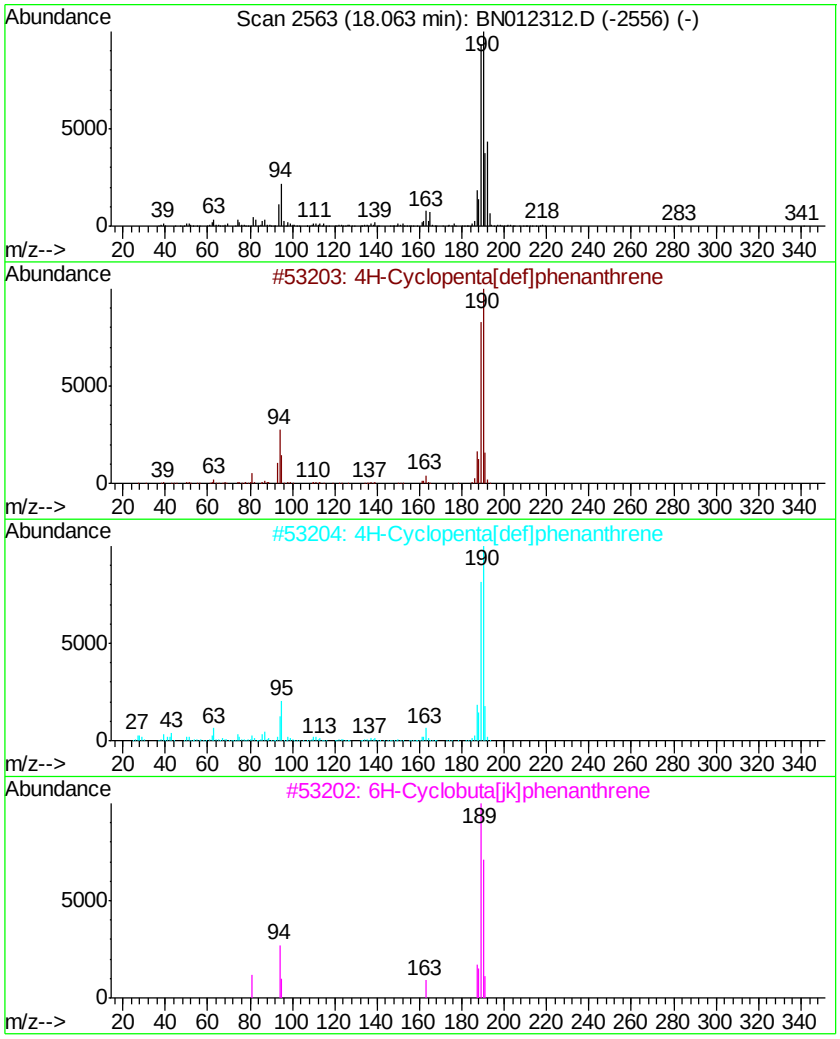
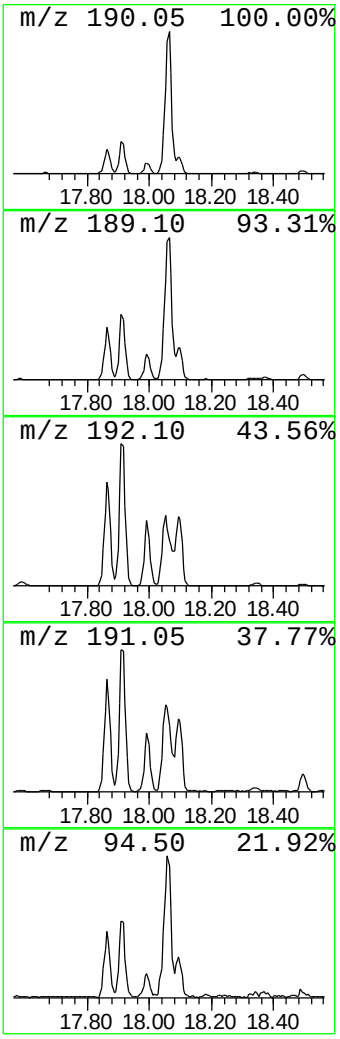
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	17.43 ng/ul	3468500	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
5	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	27





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Quant Title : SVOA CALIBRATION

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

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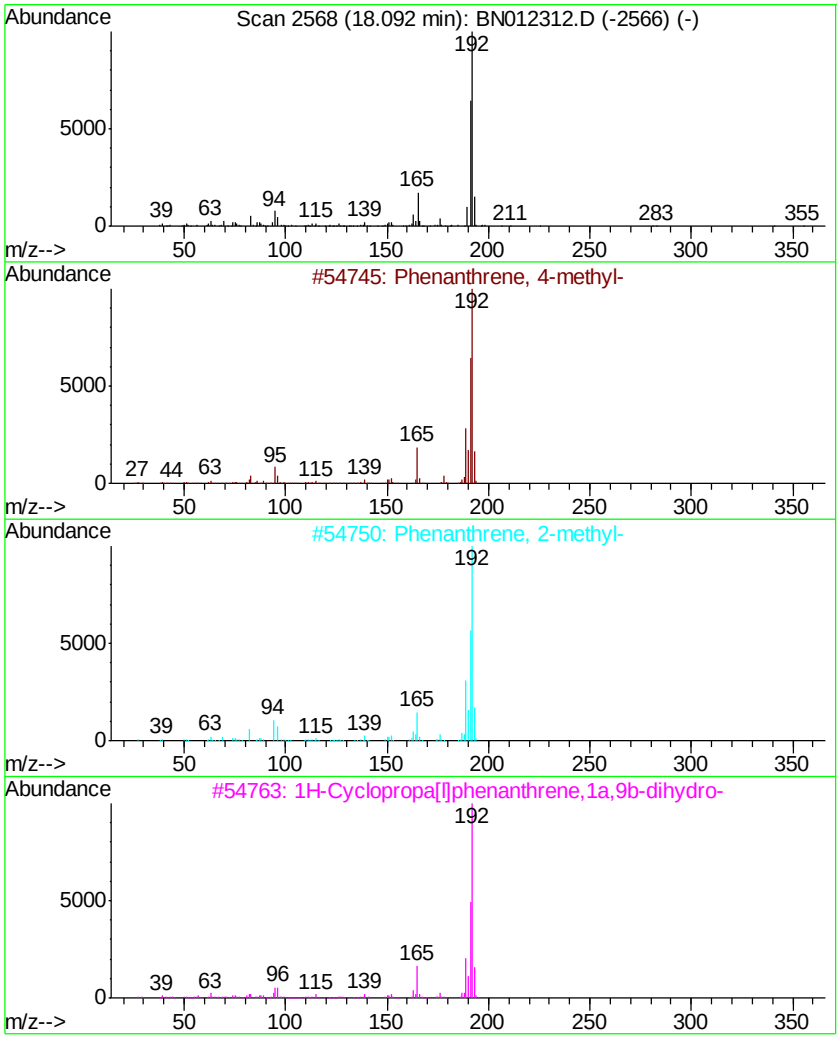
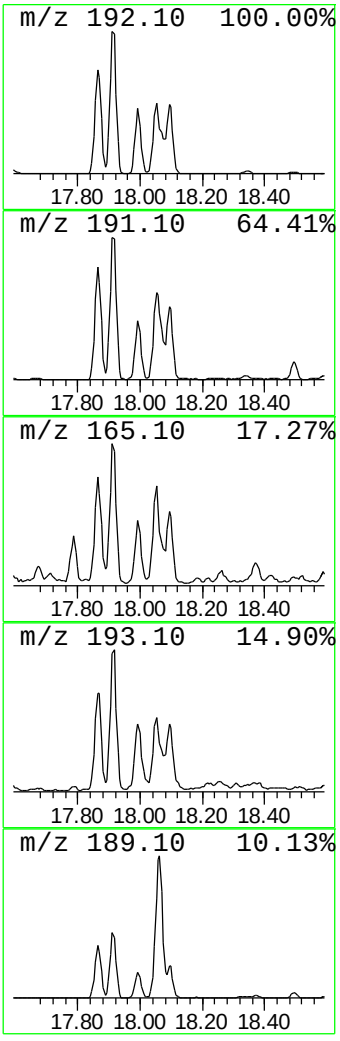
Peak Number 14 Phenanthrene, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	6.09 ng/ul	1211120	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





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Quant Title : SVOA CALIBRATION

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

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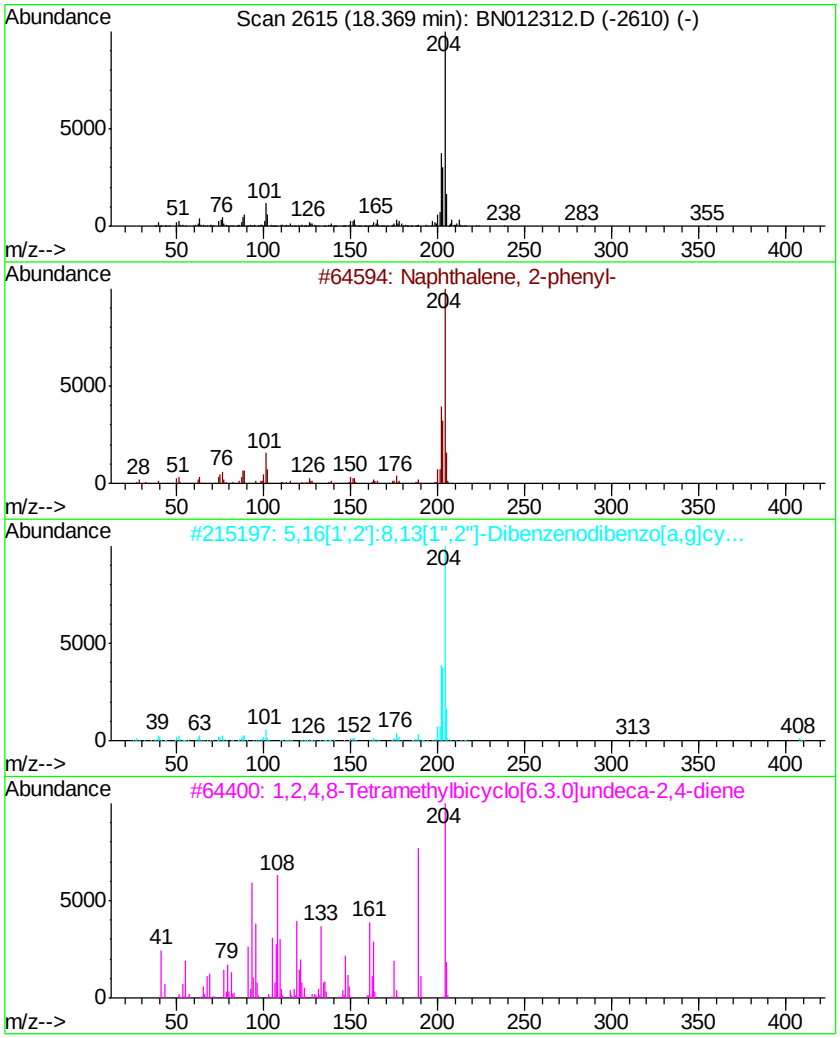
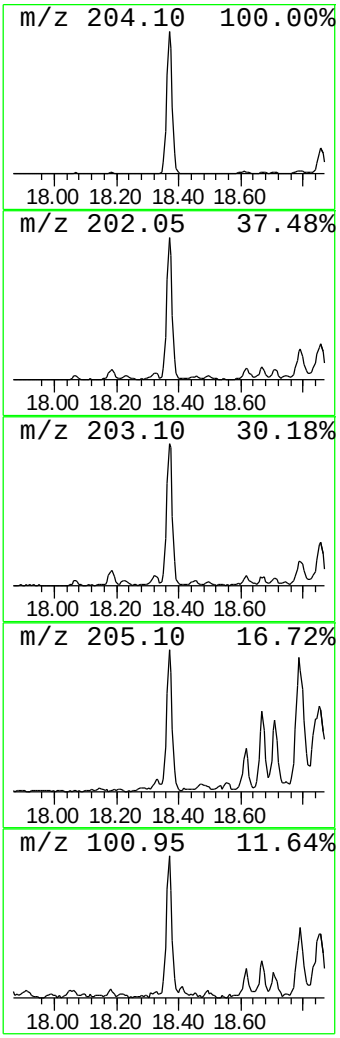
Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	6.37 ng/ul	1268240	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81





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Quant Title : SVOA CALIBRATION

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

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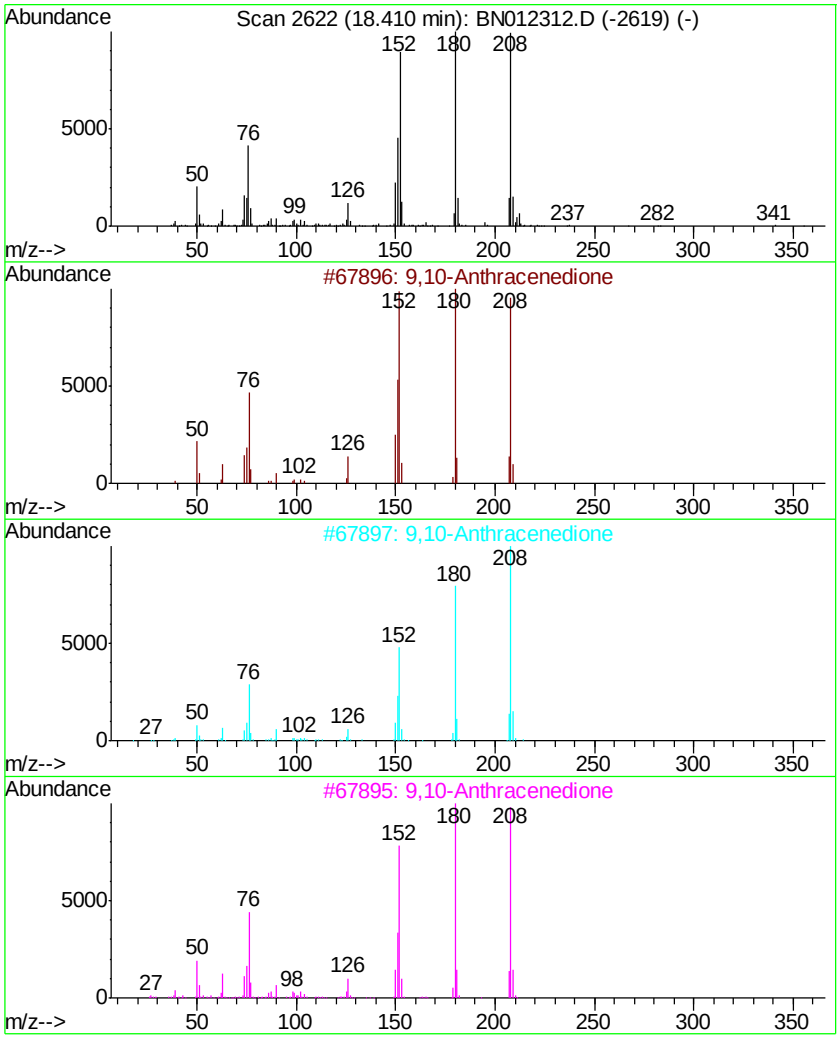
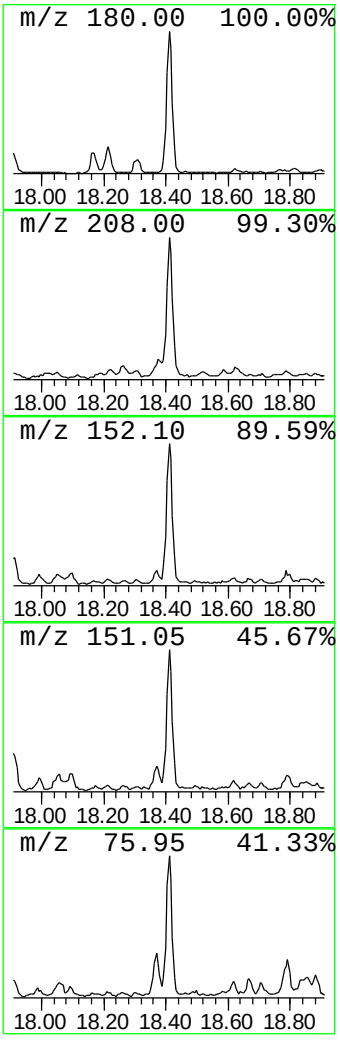
Peak Number 16 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.41	4.62 ng/ul	918796	Phenanthrene-d10	16.99

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	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62





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ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_N
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TIC Integration Parameters: LSCINT.P

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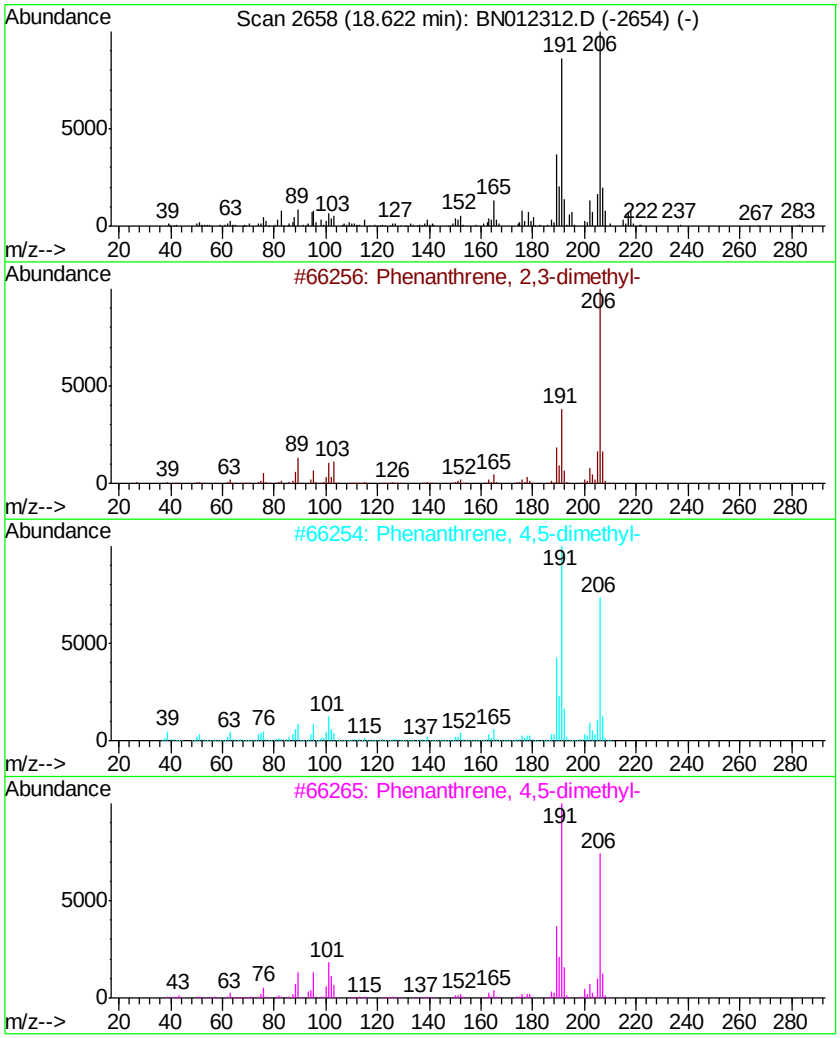
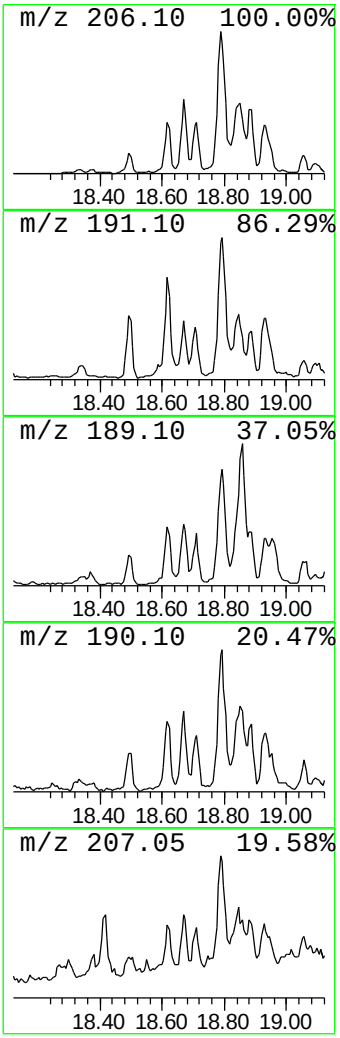
Peak Number 17 Phenanthrene, 2,3-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	2.50 ng/ul	498082	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	91





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Operator : CG/JU
Sample : L4235-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

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Quant Title : SVOA CALIBRATION

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

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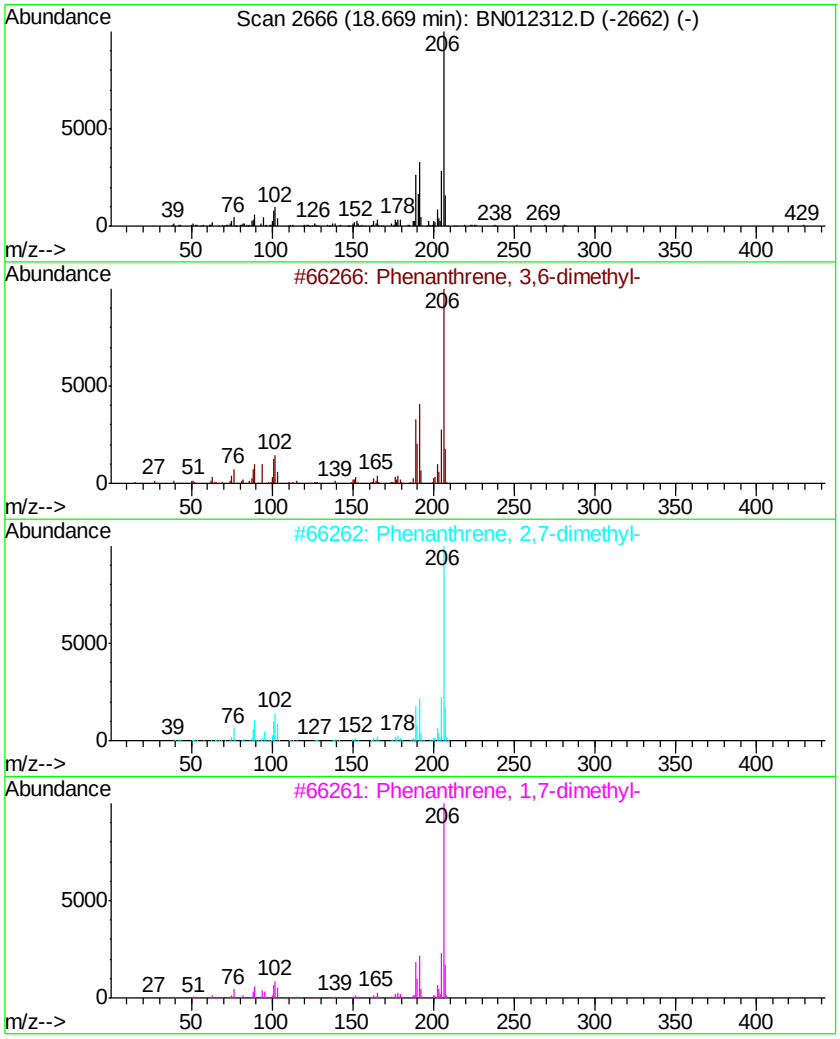
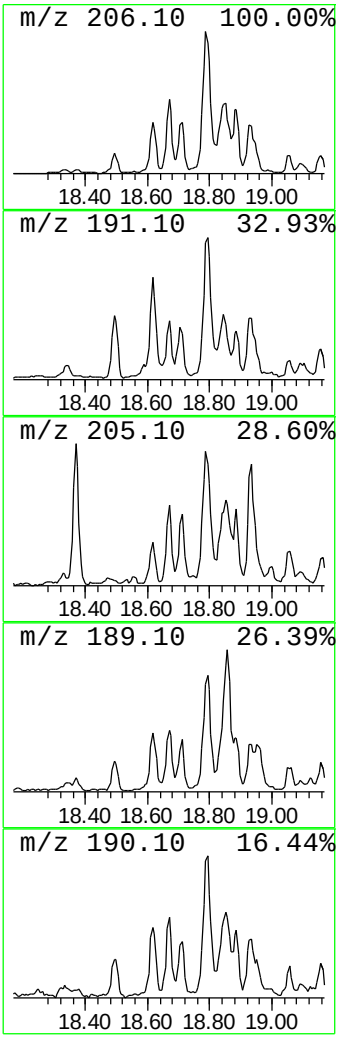
Peak Number 18 Phenanthrene, 3,6-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.67	2.32 ng/ul	462496	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





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Quant Title : SVOA CALIBRATION

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

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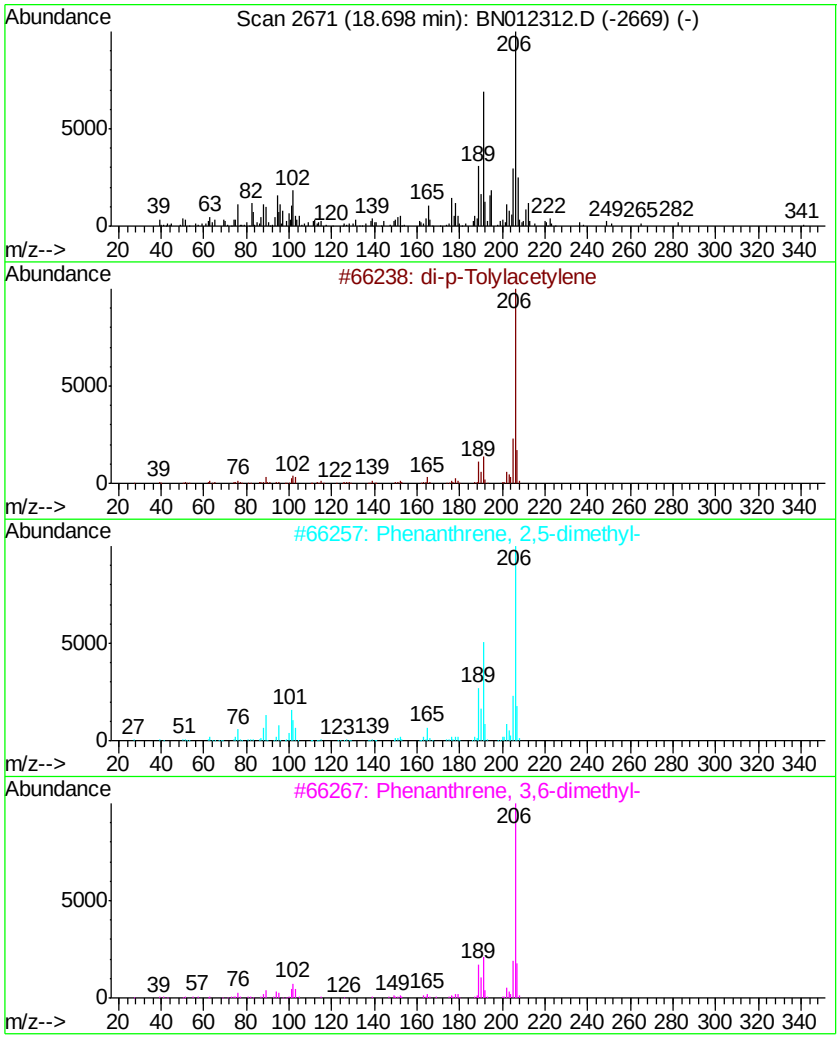
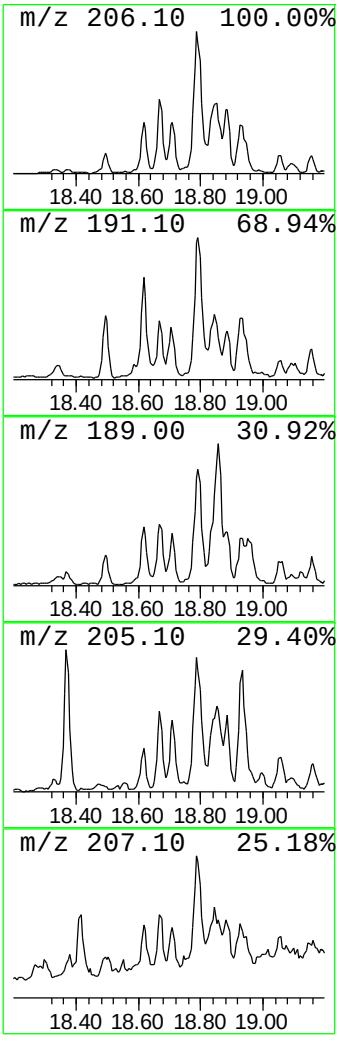
Peak Number 19 di-p-Tolylacetylene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	2.04 ng/ul	405986	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	81
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	81
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	81
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	81





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Quant Title : SVOA CALIBRATION

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

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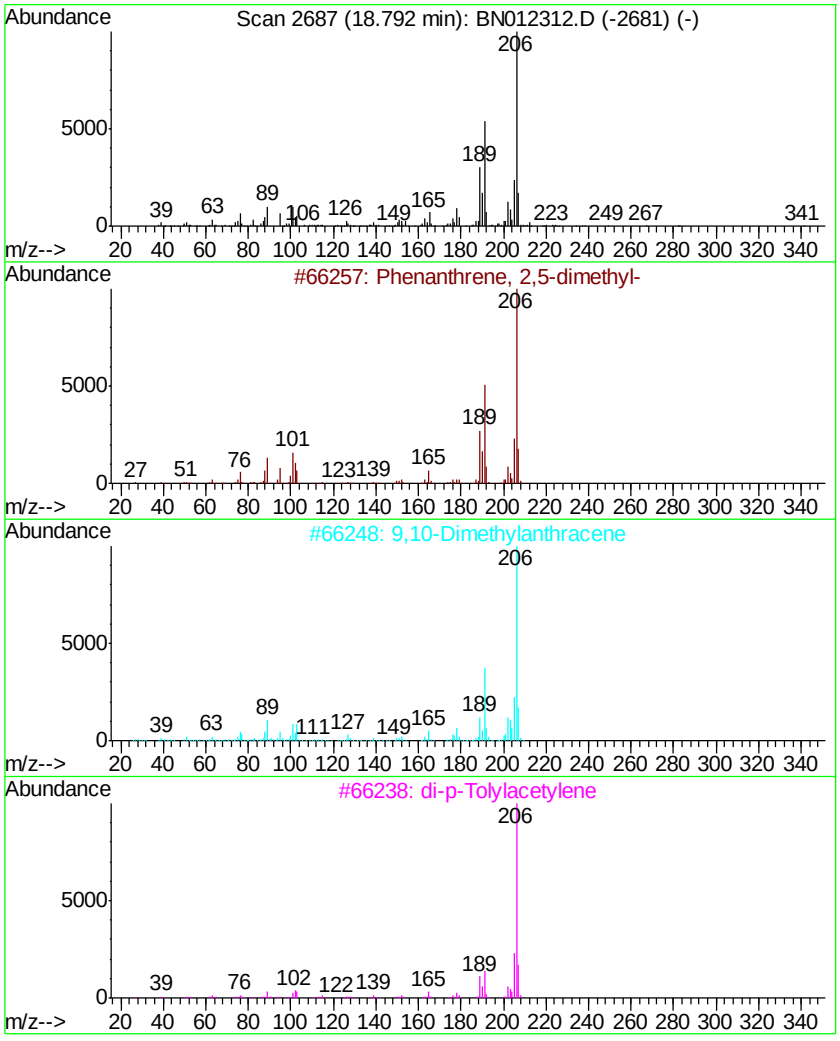
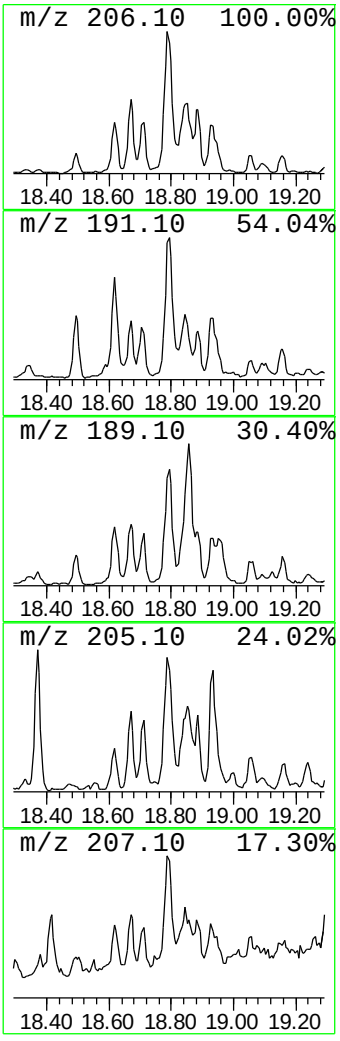
Peak Number 20 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	6.57 ng/ul	1307890	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89





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ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

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Quant Title : SVOA CALIBRATION

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

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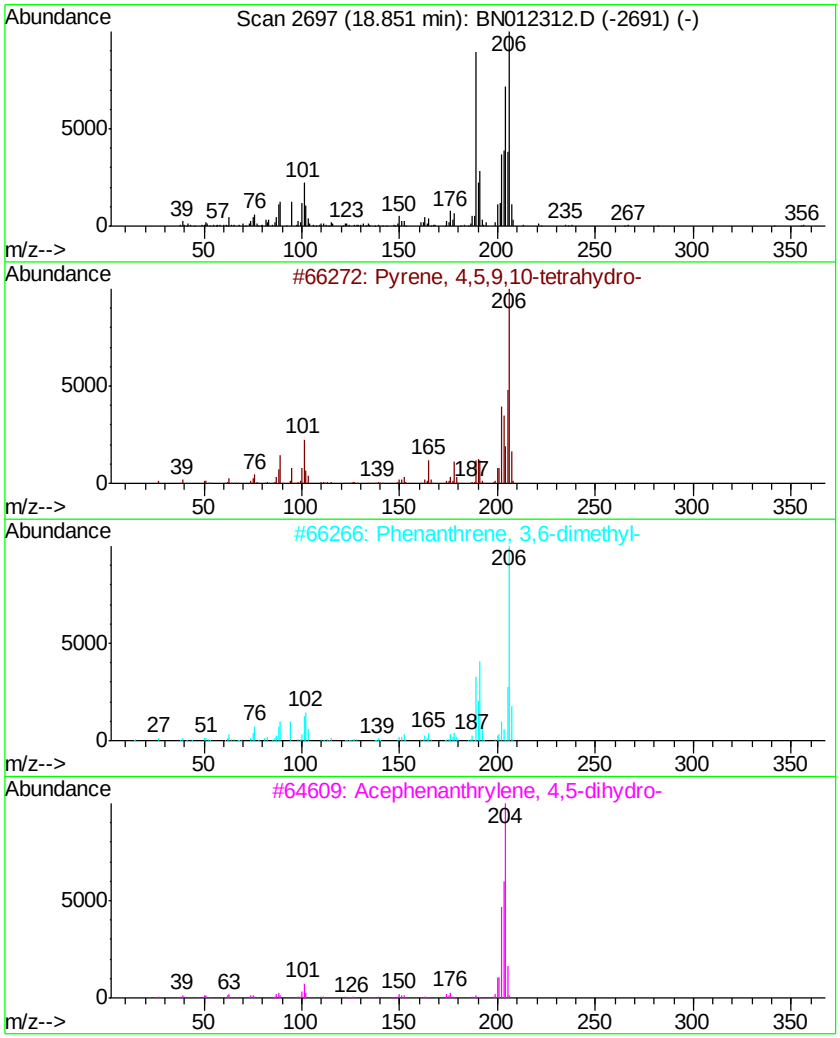
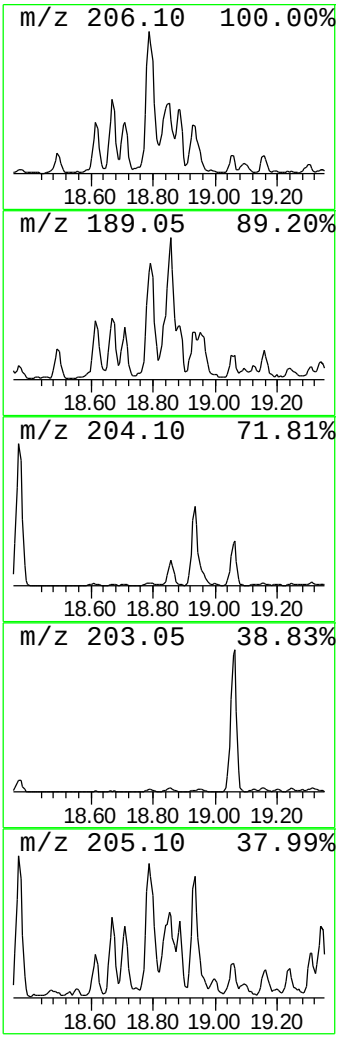
Peak Number 21 unknown-01 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	5.51 ng/ul	1096080	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	46
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
3	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	35
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	35
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	27





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Quant Title : SVOA CALIBRATION

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

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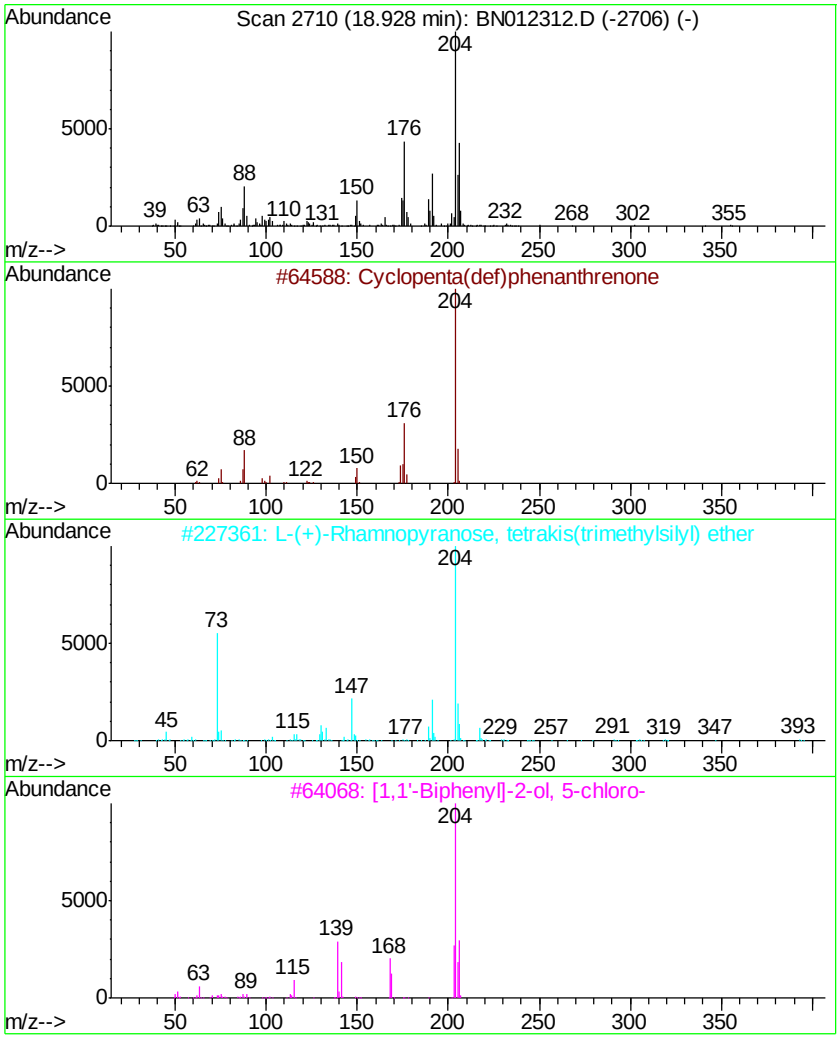
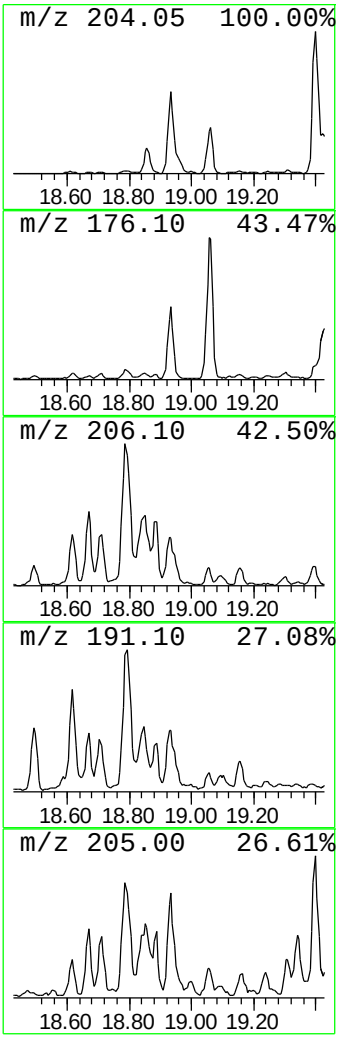
Peak Number 22 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	6.27 ng/ul	1248370	Phenanthrene-d10	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	43
3	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38





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Quant Title : SVOA CALIBRATION

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

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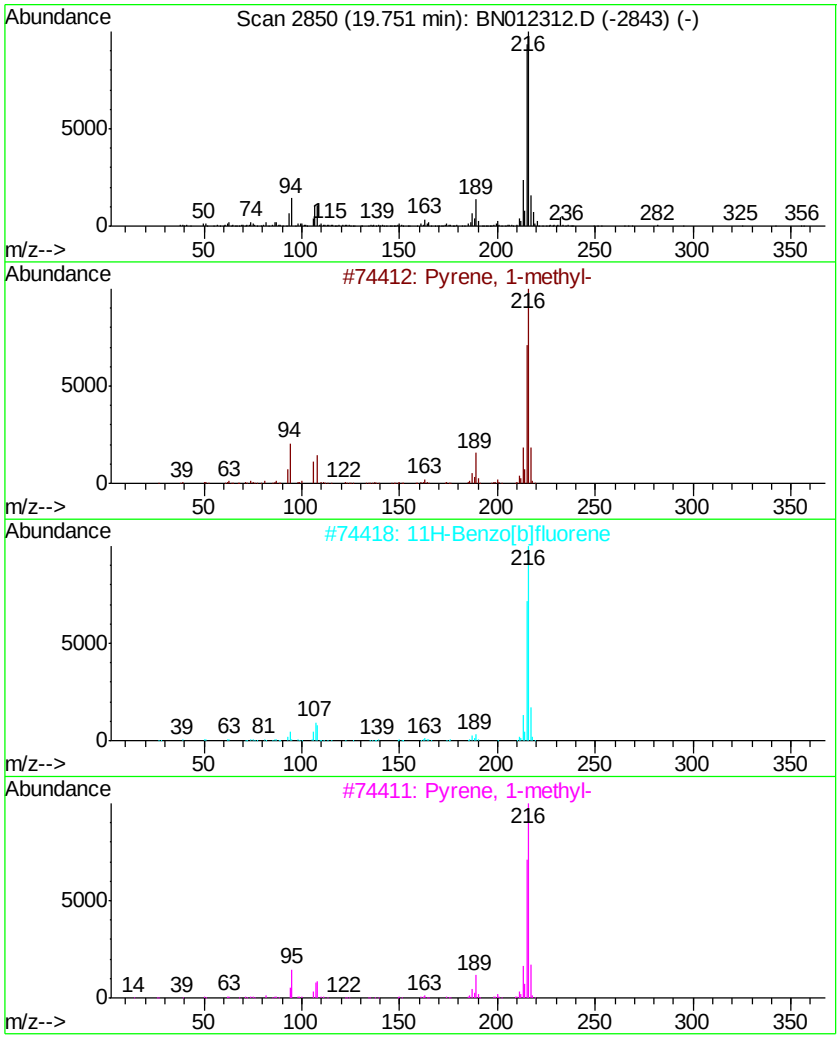
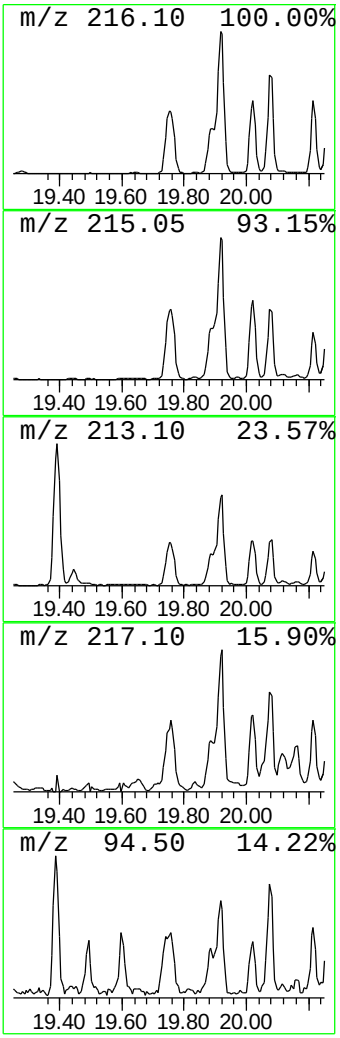
Peak Number 23 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.75	2.74 ng/ul	2007270	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70





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Quant Title : SVOA CALIBRATION

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

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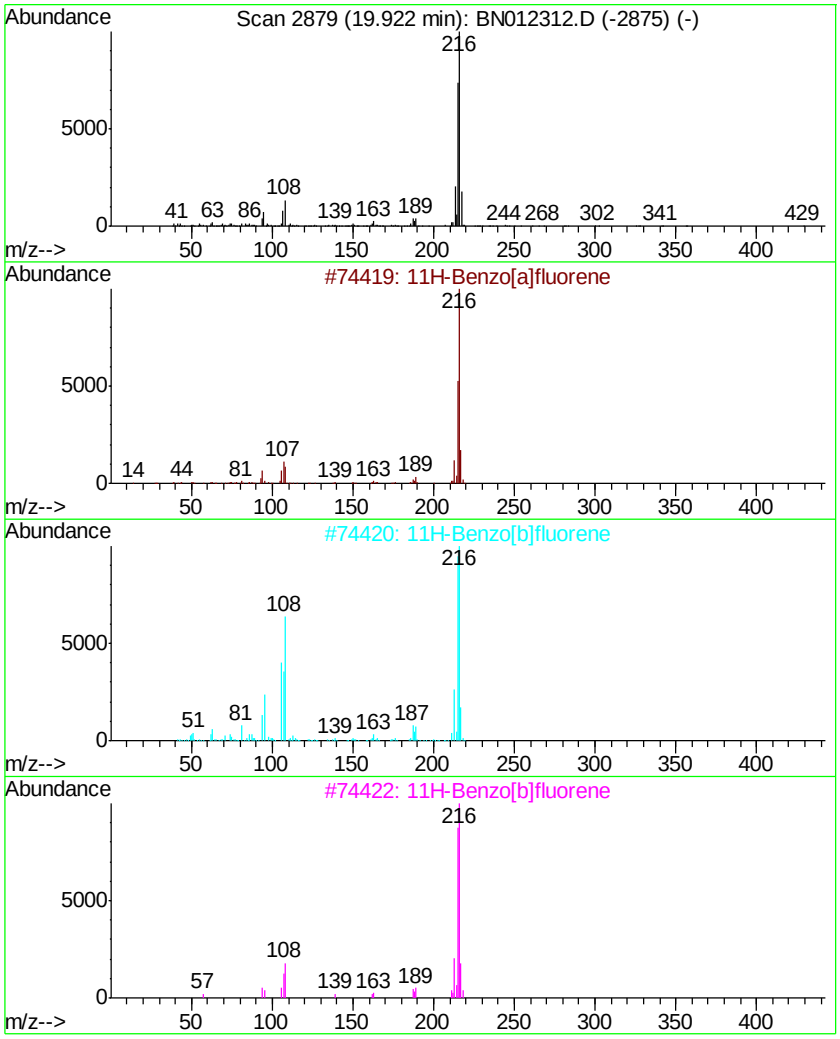
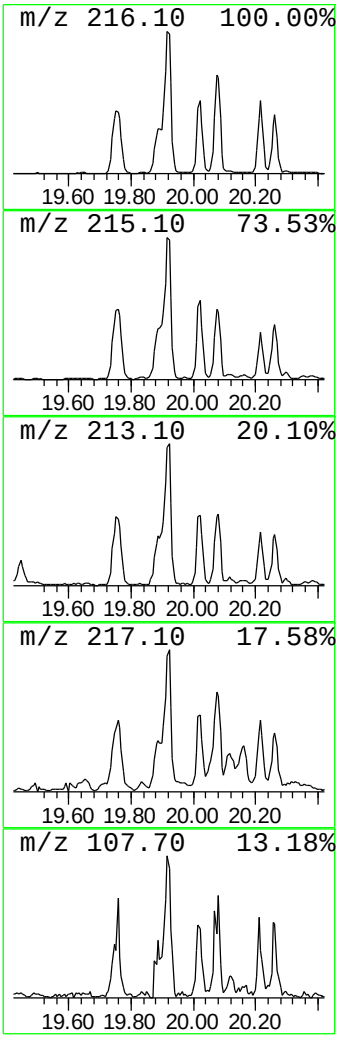
Peak Number 24 11H-Benzo[a]fluorene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	2.62 ng/ul	1921360	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91





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

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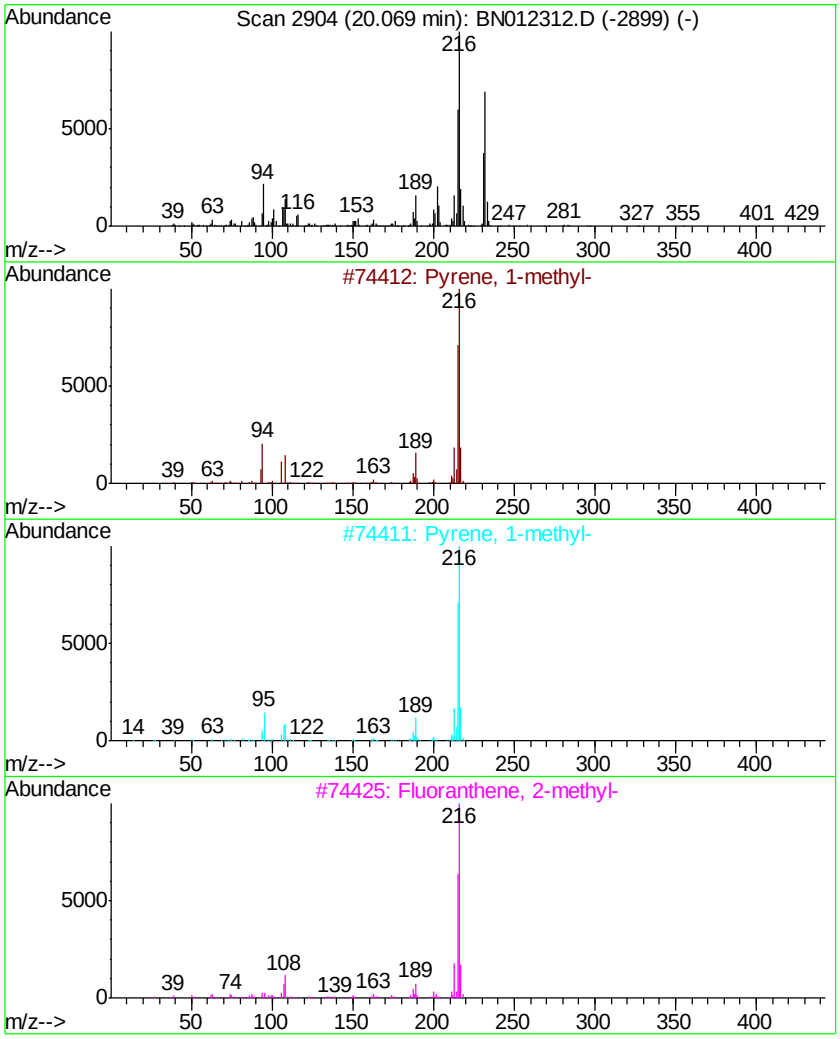
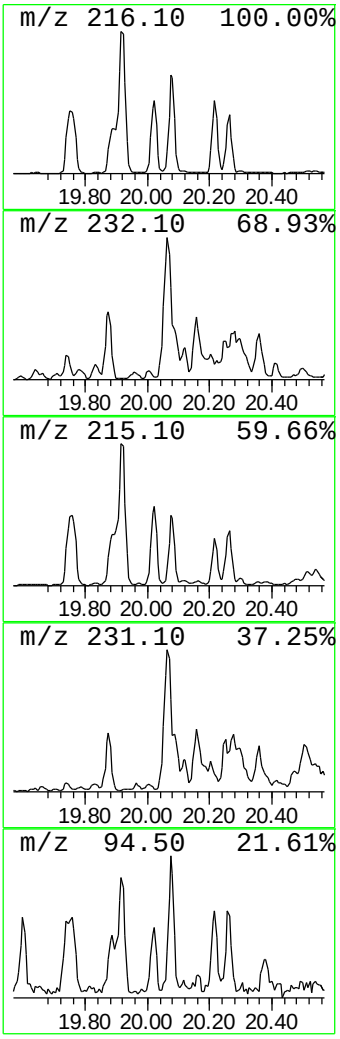
Peak Number 25 Fluoranthene, 2-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.07	2.44 ng/ul	1789650	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	92





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Quant Title : SVOA CALIBRATION

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

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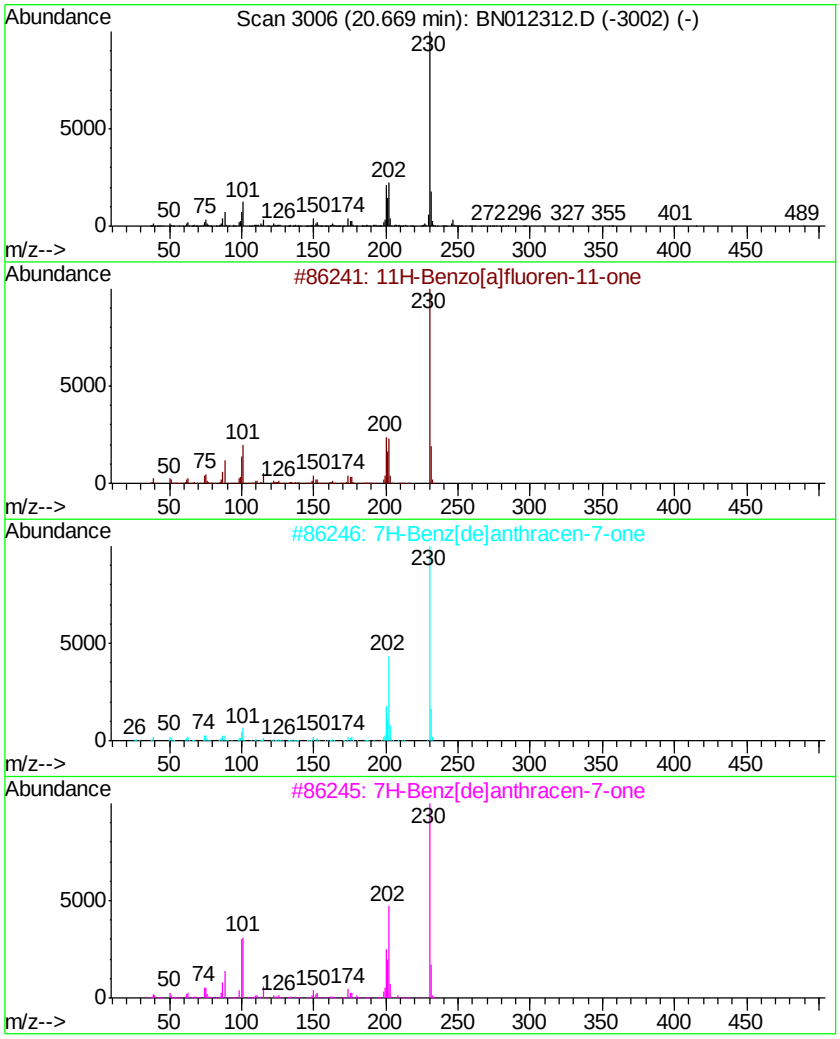
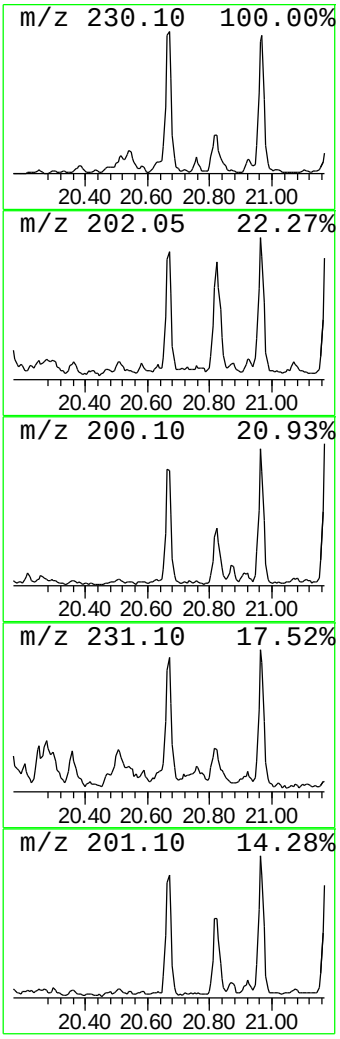
Peak Number 26 11H-Benzo[a]fluoren-11-one Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.67	2.07 ng/ul	1520530	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	98
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	83
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76





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

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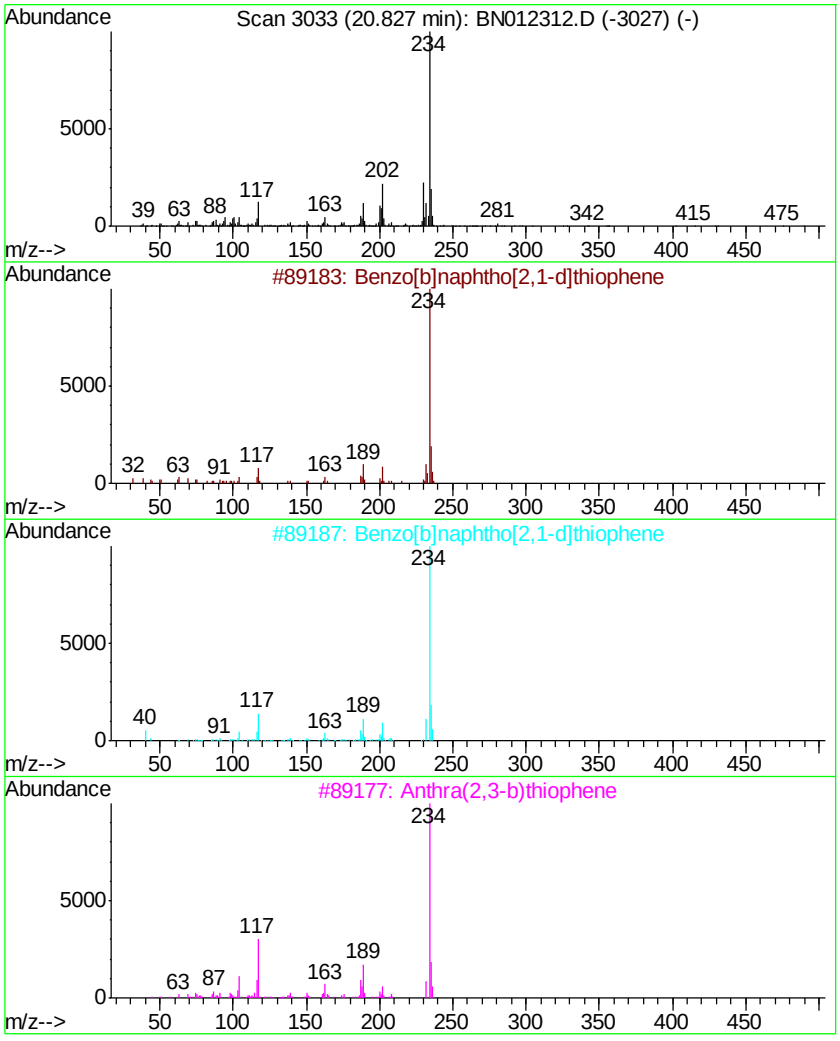
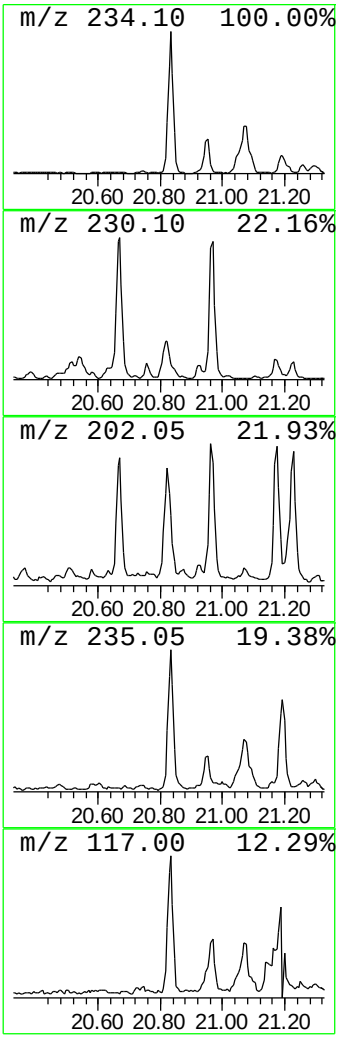
Peak Number 27 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.83	2.40 ng/ul	1758900	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	97
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	97
3	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	95
4	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	94
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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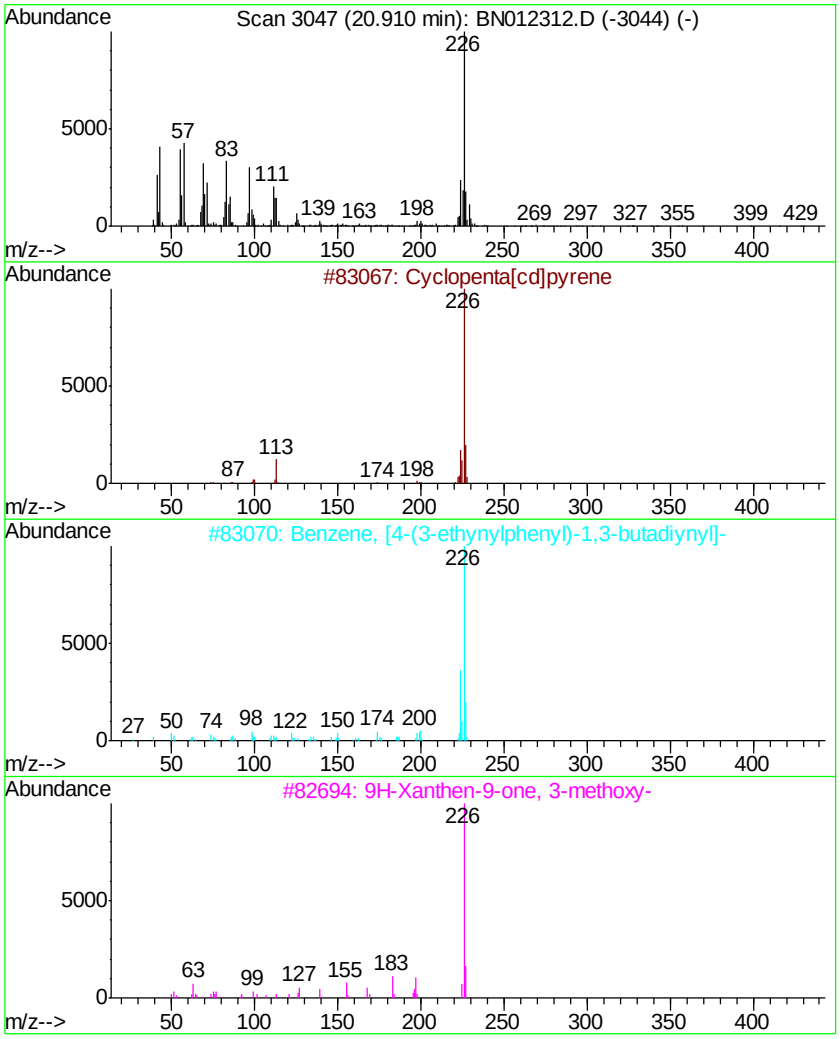
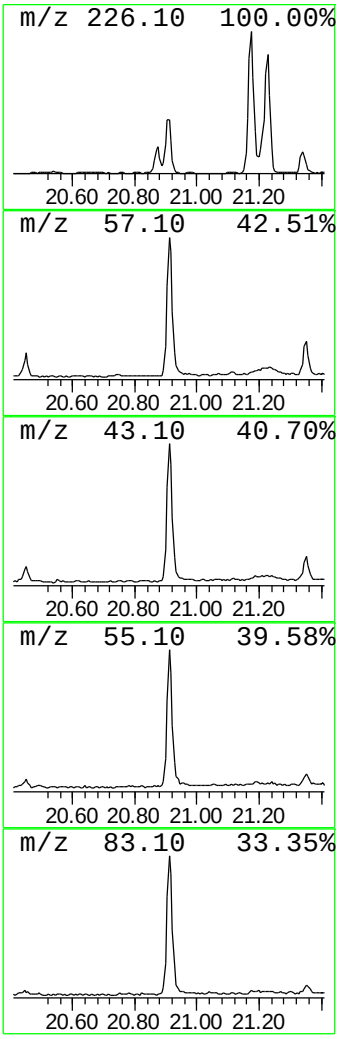
Peak Number 28 Cyclopenta[cd]pyrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.91	3.67 ng/ul	2687680	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	60
2	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	50
3	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	38
4	Diheptylisobutylamine	269	C18H39N	1000310-32-0	38
5	2-Phenyl-4,5-methylenedioxybenza...	226	C14H10O3	004432-95-5	38





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Data File : BN012312.D
Acq On : 18 Oct 2020 03:22
Operator : CG/JU
Sample : L4235-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN101720.M
Quant Title : SVOA CALIBRATION

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

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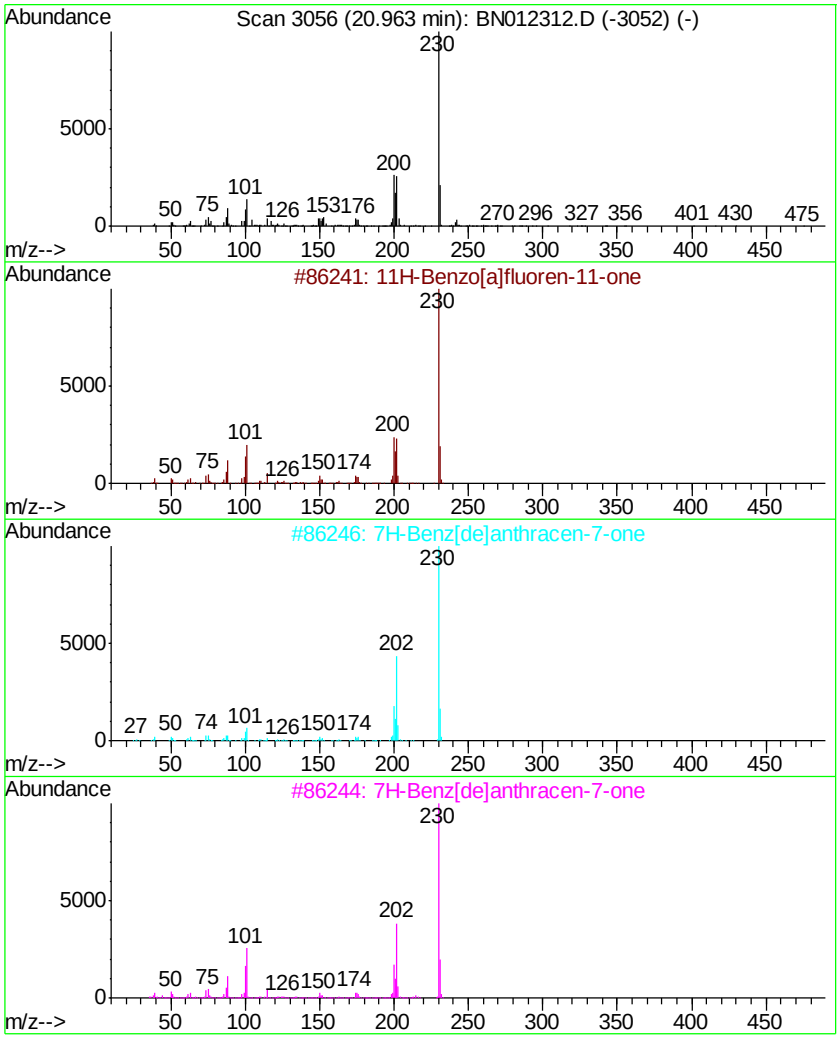
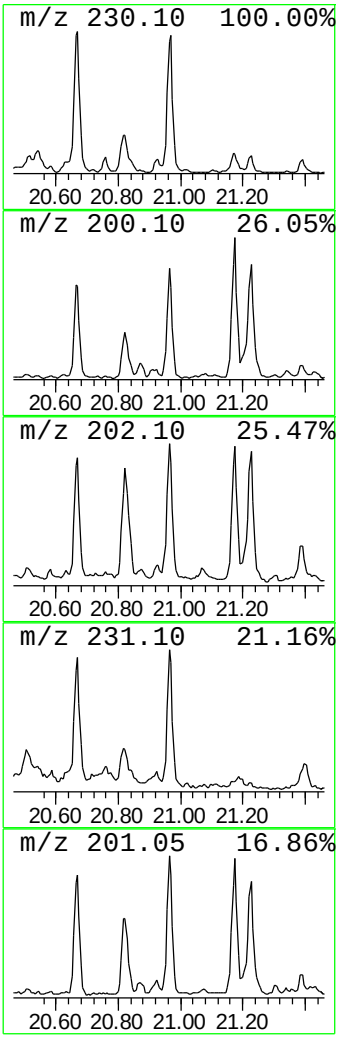
Peak Number 29 7H-Benz[de]anthracen-7-one Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.96	2.48 ng/ul	1821770	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101720\
Data File : BN012312.D
Acq On : 18 Oct 2020 03:22
Operator : CG/JU
Sample : L4235-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN101720.M
Quant Title : SVOA CALIBRATION

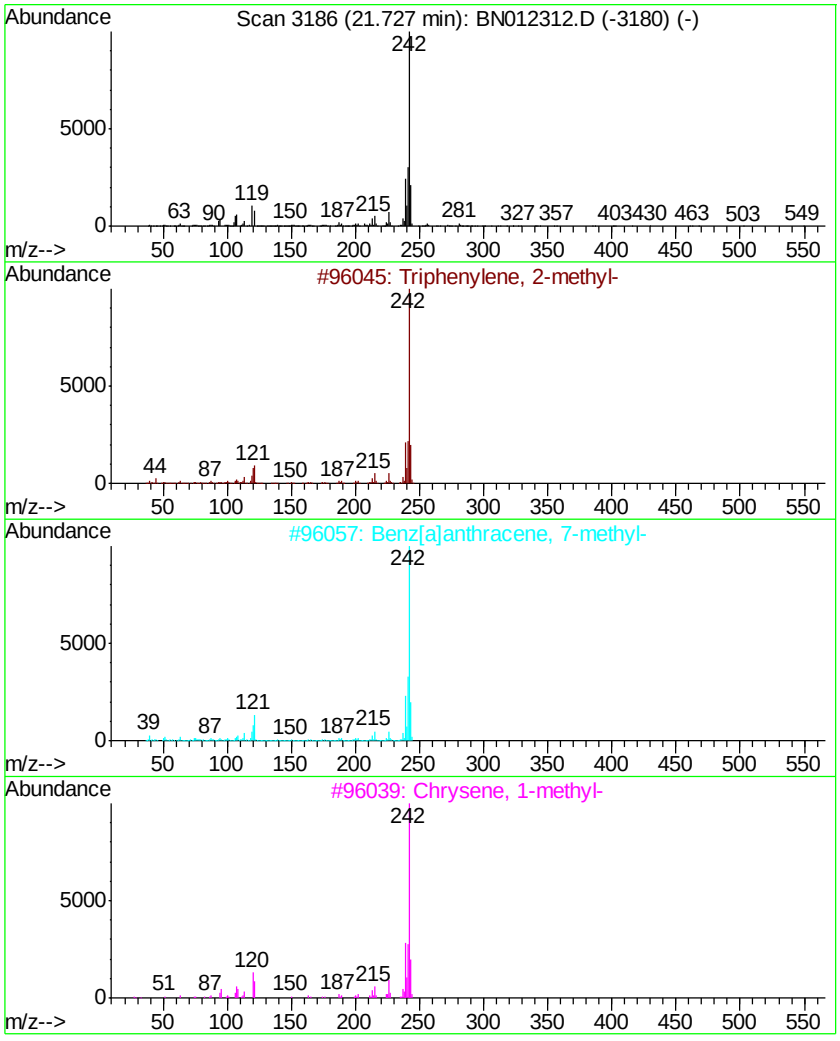
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

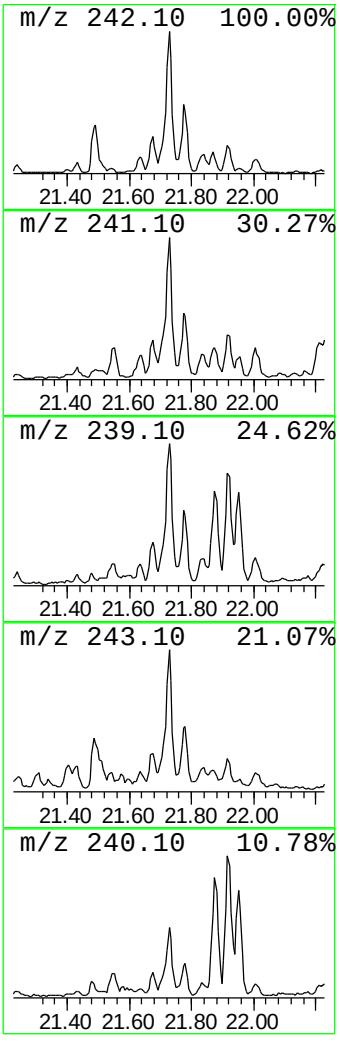
****

Peak Number 30 Triphenylene, 2-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.73	2.40 ng/ul	1761640	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	96
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	95
4	Chrysene, 3-methyl-	242	C19H14	003351-31-3	93
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101720\
Data File : BN012312.D
Acq On : 18 Oct 2020 03:22
Operator : CG/JU
Sample : L4235-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

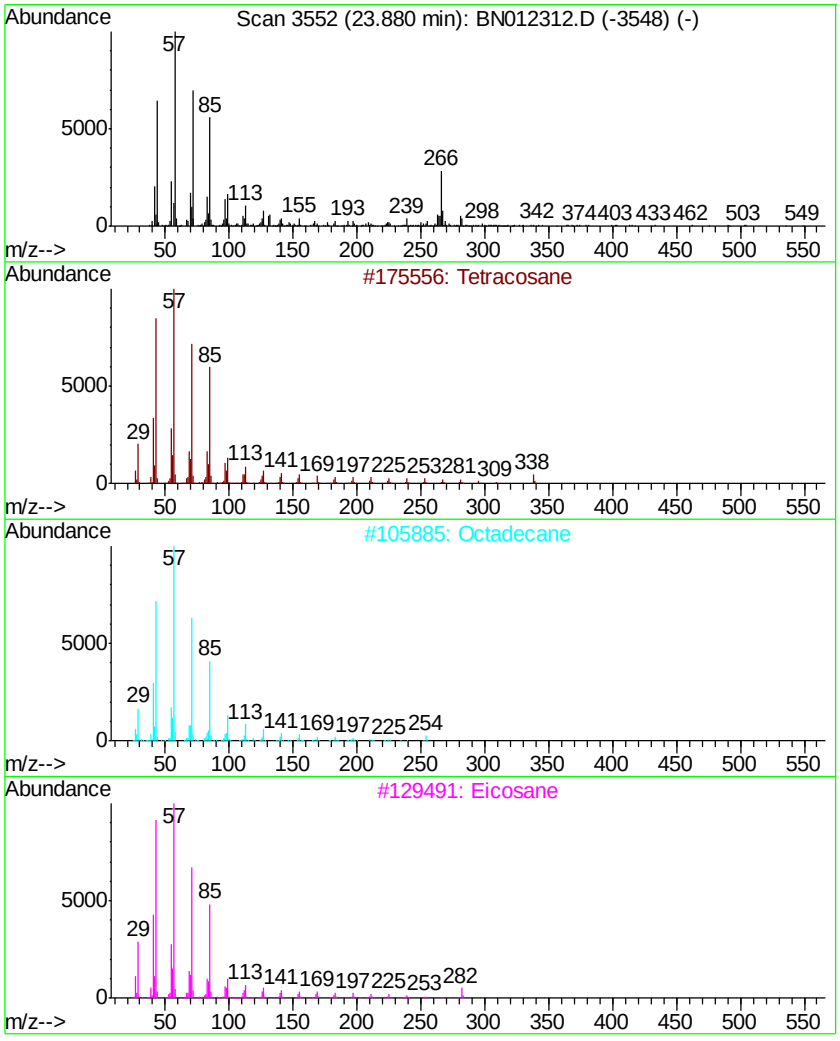
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN101720.M
Quant Title : SVOA CALIBRATION

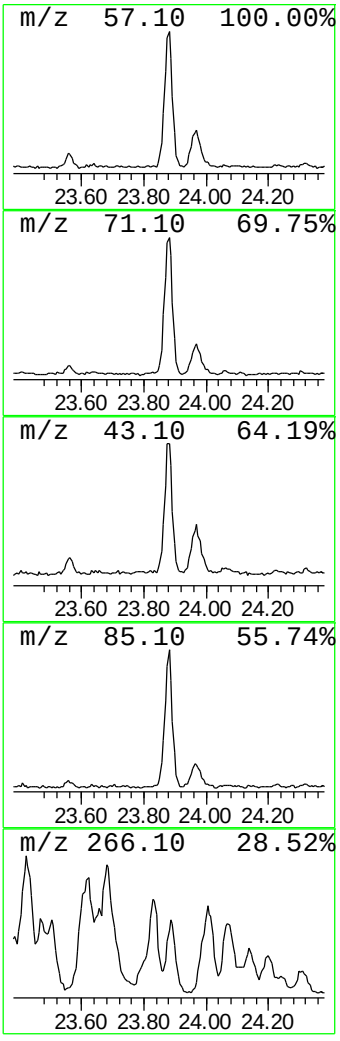
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.88	5.77 ng/ul	1272780	Perylene-d12	23.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	91
2	Octadecane	254	C18H38	000593-45-3	78
3	Eicosane	282	C20H42	000112-95-8	64
4	Hexacosane	366	C26H54	000630-01-3	60
5	2-methyloctacosane	408	C29H60	1000376-72-8	60





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN101720\
Data File : BN012312.D
Acq On : 18 Oct 2020 03:22
Operator : CG/JU
Sample : L4235-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AS9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN101720.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 2,3-...	13.56	3.0	ng/ul	514869	3	14.24	3456210	20.0
Dibenzofuran, 4-m...	15.59	3.8	ng/ul	660220	3	14.24	3456210	20.0
9H-Fluoren-9-ol	15.73	4.2	ng/ul	842023	4	16.99	3980520	20.0
9H-Fluorene, 1-me...	16.30	3.8	ng/ul	748290	4	16.99	3980520	20.0
Phenol, 4-(2-phen...	16.57	2.0	ng/ul	399835	4	16.99	3980520	20.0
9H-Fluoren-9-one	16.65	3.8	ng/ul	754723	4	16.99	3980520	20.0
8-Dimethylaminona...	16.72	2.4	ng/ul	472435	4	16.99	3980520	20.0
Dibenzothiophene	16.81	4.4	ng/ul	867069	4	16.99	3980520	20.0
4-Methylnaphtho[1...	17.57	2.6	ng/ul	509100	4	16.99	3980520	20.0
Phenanthrene, 2-m...	17.86	10.7	ng/ul	2136610	4	16.99	3980520	20.0
Anthracene, 2-met...	17.91	14.4	ng/ul	2857740	4	16.99	3980520	20.0
1H-Cyclopropa[l]p...	17.99	6.0	ng/ul	1190680	4	16.99	3980520	20.0
4H-Cyclopenta[def...	18.06	17.4	ng/ul	3468500	4	16.99	3980520	20.0
Phenanthrene, 4-m...	18.09	6.1	ng/ul	1211120	4	16.99	3980520	20.0
Naphthalene, 2-ph...	18.37	6.4	ng/ul	1268240	4	16.99	3980520	20.0
9,10-Anthracenedione	18.41	4.6	ng/ul	918796	4	16.99	3980520	20.0
Phenanthrene, 2,3...	18.62	2.5	ng/ul	498082	4	16.99	3980520	20.0
Phenanthrene, 3,6...	18.67	2.3	ng/ul	462496	4	16.99	3980520	20.0
di-p-Tolylacetylene	18.70	2.0	ng/ul	405986	4	16.99	3980520	20.0
Phenanthrene, 2,5...	18.79	6.6	ng/ul	1307890	4	16.99	3980520	20.0
unknown-01	18.85	5.5	ng/ul	1096080	4	16.99	3980520	20.0
Cyclopenta(def)ph...	18.93	6.3	ng/ul	1248370	4	16.99	3980520	20.0
Pyrene, 1-methyl-	19.75	2.7	ng/ul	2007270	5	21.19	14665300	20.0
11H-Benzo[a]fluorene	19.92	2.6	ng/ul	1921360	5	21.19	14665300	20.0
Fluoranthene, 2-m...	20.07	2.4	ng/ul	1789650	5	21.19	14665300	20.0
11H-Benzo[a]fluor...	20.67	2.1	ng/ul	1520530	5	21.19	14665300	20.0
Benzo[b]naphtho[2...	20.83	2.4	ng/ul	1758900	5	21.19	14665300	20.0
Cyclopenta[cd]pyrene	20.91	3.7	ng/ul	2687680	5	21.19	14665300	20.0
7H-Benz[de]anthra...	20.96	2.5	ng/ul	1821770	5	21.19	14665300	20.0
Triphenylene, 2-m...	21.73	2.4	ng/ul	1761640	5	21.19	14665300	20.0
(DEL) Alkane: Str...	23.88	5.8	ng/ul	1272780	6	23.36	4408760	20.0