LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100720\
Data File : BN012097.D
Acq On : 07 Oct 2020 15:11
Operator : CG/JU
Sample : L4184-04DL 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AK6DL

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-BN100220.M
Title : SVOA CALIBRATION

Signal : TIC: BN012097.D

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.828	644	653	664	rBV	265744	509815	2.99%	0.272%
2	6.993	675	681	692	rBV	228906	375149	2.20%	0.200%
3	7.187	707	714	722	rBV	300728	499911	2.93%	0.267%
4	7.652	786	793	801	rBV	1353500	2160388	12.65%	1.153%
5	8.358	906	913	921	rBV	348755	556693	3.26%	0.297%
6	8.475	928	933	940	rVB2	50026	83379	0.49%	0.045%
7	8.805	983	989	995	rVB	260298	432024	2.53%	0.231%
8	9.516	1100	1110	1117	rBV	205518	368373	2.16%	0.197%
9	10.052	1194	1201	1213	rBV	352986	609907	3.57%	0.326%
10	10.428	1257	1265	1270	rBV	1843720	2982175	17.46%	1.592%
11	10.475	1270	1273	1280	rVB	362620	568191	3.33%	0.303%
12	10.569	1280	1289	1301	rBV2	146524	365036	2.14%	0.195%
13	12.099	1542	1549	1559	rBV	367485	622788	3.65%	0.333%
14	12.316	1579	1586	1594	rVB	334122	523344	3.06%	0.279%
15	13.122	1714	1723	1731	rBV	110565	168979	0.99%	0.090%
16	13.322	1752	1757	1766	rVB	86932	187349	1.10%	0.100%
17	13.451	1771	1779	1780	rBV	178295	230734	1.35%	0.123%
18	13.616	1798	1807	1812	rBV	353292	638222	3.74%	0.341%
19	13.669	1812	1816	1819	rVV	214075	343342	2.01%	0.183%
20	13.704	1819	1822	1827	rVV	651647	872546	5.11%	0.466%
21	13.751	1827	1830	1839	rVB	332619	448590	2.63%	0.240%
22	13.851	1839	1847	1850	rBV	190642	292003	1.71%	0.156%
23	13.887	1850	1853	1858	rVB	65769	92850	0.54%	0.050%
24	13.987	1860	1870	1873	rBV	669330	1057646	6.19%	0.565%
25	14.016	1873	1875	1884	rVB2	179172	236744	1.39%	0.126%
26	14.298	1913	1923	1928	rVV	2526469	3946444	23.11%	2.107%
27	14.357	1928	1933	1942	rVV	845505	1300648	7.62%	0.694%
28	14.428	1942	1945	1951	rVB2	52554	74943	0.44%	0.040%
29	14.504	1951	1958	1967	rBV4	203608	471638	2.76%	0.252%
30	14.604	1968	1975	1980	rVV4	86177	193563	1.13%	0.103%
31	14.692	1980	1990	1999	rVV	899688	1422721	8.33%	0.760%
32	14.775	1999	2004	2009	rVB	165688	234423	1.37%	0.125%
33	14.916	2021	2028	2033	rBV	145106	283039	1.66%	0.151%
34	14.969	2033	2037	2042	rVB	128874	191195	1.12%	0.102%
35	15.092	2050	2058	2060	rBV2	116882	224417	1.31%	0.120%
36	15.292	2083	2092	2096	rVV	885578	1295868	7.59%	0.692%

LSC Area Percent Report

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Operator : CG/JU
Sample : L4184-04DL 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AK6DL

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-BN100220.M
Title : SVOA CALIBRATION

37	15.345	2096	2101	2106	rVV	1389211	1919986	11.24%	1.025%
38	15.469	2119	2122	2125	rVV	136267	168400	0.99%	0.090%
39	15.510	2125	2129	2134	rVB3	188416	269491	1.58%	0.144%
40	15.563	2134	2138	2140	rBV2	85371	108803	0.64%	0.058%
41	15.598	2141	2144	2147	rVV	63550	78870	0.46%	0.042%
42	15.639	2147	2151	2161	rVB	384373	638362	3.74%	0.341%
43	15.734	2161	2167	2168	rBV5	39610	69149	0.40%	0.037%
44	15.792	2172	2177	2185	rVB	370775	772344	4.52%	0.412%
45	15.881	2185	2192	2200	rVB4	104836	243403	1.43%	0.130%
46	16.022	2212	2216	2223	rVB2	210899	337697	1.98%	0.180%
47	16.163	2237	2240	2244	rVB	49792	62707	0.37%	0.033%
48	16.351	2263	2272	2277	rBV3	320378	740026	4.33%	0.395%
49	16.398	2277	2280	2286	rVB3	191408	265377	1.55%	0.142%
50	16.457	2286	2290	2292	rBV4	85587	113764	0.67%	0.061%
51	16.581	2303	2311	2314	rBV3	198366	422019	2.47%	0.225%
52	16.622	2315	2318	2322	rVB2	173611	223746	1.31%	0.119%
53	16.698	2327	2331	2338	rVB	391148	577482	3.38%	0.308%
54	16.781	2340	2345	2350	rBV2	215921	416996	2.44%	0.223%
55	16.863	2355	2359	2368	rVB	601294	917175	5.37%	0.490%
56	17.045	2384	2390	2393	rBV	2932619	4155043	24.33%	2.218%
57	17.086	2393	2397	2403	rVV	9840964	13885643	81.31%	7.414%
58	17.145	2403	2407	2409	rVV2	1031923	1505308	8.81%	0.804%
59	17.175	2409	2412	2418	rVB	3030899	4079102	23.88%	2.178%
60	17.234	2418	2422	2428	rBV2	186190	359773	2.11%	0.192%
61	17.445	2455	2458	2462	rBV	487650	618520	3.62%	0.330%
62	17.569	2475	2479	2483	rBV	167629	209269	1.23%	0.112%
63	17.628	2485	2489	2492	rVV	206348	259610	1.52%	0.139%
64	17.922	2534	2539	2542	rBV	1204671	1689784	9.89%	0.902%
65	17.969	2542	2547	2553	rVB	1783250	2666492	15.61%	1.424%
66	18.051	2556	2561	2566	rVV	755791	1076663	6.30%	0.575%
67	18.116	2566	2572	2576	rVV3	1972703	3561996	20.86%	1.902%
68	18.151	2576	2578	2584	rVB2	855292	1020510	5.98%	0.545%
69	18.428	2620	2625	2628	rBV	880384	1155004	6.76%	0.617%
70	18.463	2628	2631	2637	rVB2	555794	805950	4.72%	0.430%
71	18.675	2664	2667	2671	rVB	307604	363835	2.13%	0.194%
72	18.728	2673	2676	2679	rVB	226034	264682	1.55%	0.141%
73	18.845	2692	2696	2700	rBV2	760453	1166442	6.83%	0.623%
74	18.986	2716	2720	2728	rBV2	719393	1356470	7.94%	0.724%
75	19.116	2736	2742	2747	rBV	12982779	17078109	100.00%	9.118%
76	19.210	2756	2758	2762	rBV4	212156	227361	1.33%	0.121%

LSC Area Percent Report

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Sample : L4184-04DL 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AK6DL

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-BN100220.M
Title : SVOA CALIBRATION

77	19.357	2780	2783	2786	rVB	386858	422352	2.47%	0.225%
78	19.451	2794	2799	2800	rBV2	2865390	3937049	23.05%	2.102%
79	19.480	2800	2804	2812	rVV	10771103	14807434	86.70%	7.906%
80	19.551	2813	2816	2823	rVB2	564677	995735	5.83%	0.532%
81	19.657	2831	2834	2839	rVB	583658	744016	4.36%	0.397%
82	19.804	2854	2859	2865	rBV3	816517	1981123	11.60%	1.058%
83	19.975	2885	2888	2893	rVB	1895752	2439886	14.29%	1.303%
84	20.075	2902	2905	2909	rBV	1174895	1421289	8.32%	0.759%
85	20.133	2912	2915	2919	rVB2	1007047	1457534	8.53%	0.778%
86	20.275	2936	2939	2943	rBV	616219	766919	4.49%	0.409%
87	20.322	2945	2947	2951	rVB	656922	710643	4.16%	0.379%
88	20.727	3013	3016	3023	rVB	1009589	1395641	8.17%	0.745%
89	20.933	3048	3051	3054	rBV	930831	1008932	5.91%	0.539%
90	20.975	3054	3058	3063	rVV3	1197061	2052489	12.02%	1.096%
91	21.027	3064	3067	3075	rVB2	1574719	2392849	14.01%	1.278%
92	21.239	3098	3103	3108	rBV3	8280598	14306173	83.77%	7.638%
93	21.292	3108	3112	3121	rVB	5492670	7696949	45.07%	4.110%
94	21.404	3128	3131	3137	rBV	977750	1637222	9.59%	0.874%
95	22.810	3364	3370	3374	rBV	5296753	11320730	66.29%	6.044%
96	22.974	3395	3398	3405	rVB	1163681	1661415	9.73%	0.887%
97	23.280	3445	3450	3455	rBV	2512370	4223578	24.73%	2.255%
98	23.368	3461	3465	3473	rVB	4893900	8925112	52.26%	4.765%
99	23.468	3478	3482	3486	rVB	1747003	2905633	17.01%	1.551%
100	25.686	3853	3859	3870	rVB2	2778020	7368778	43.15%	3.934%

Sum of corrected areas: 187295921

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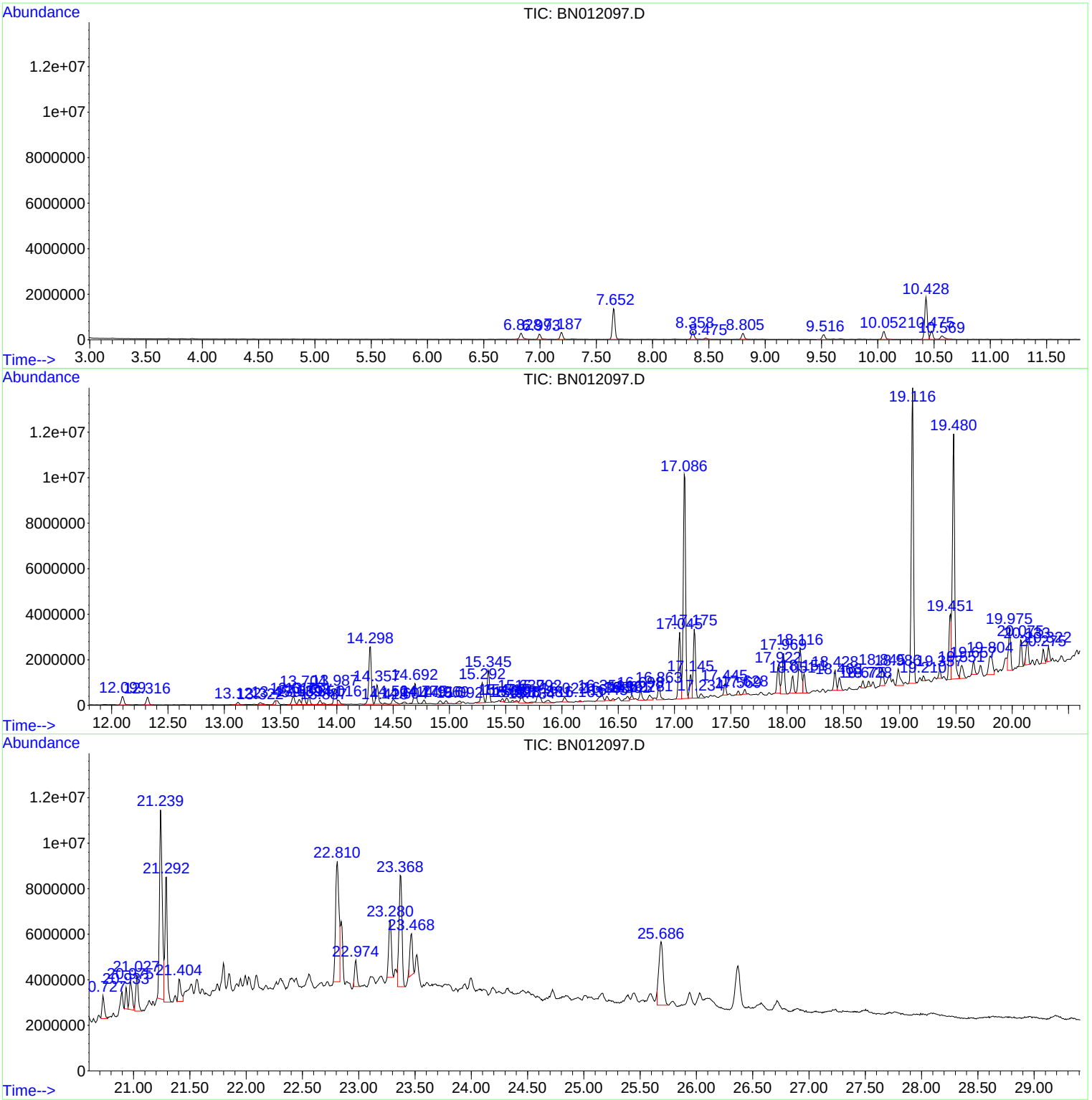
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AK6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100720\
Data File : BN012097.D
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Misc :
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Instrument : BNA_N
ClientSampleId : C0AK6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

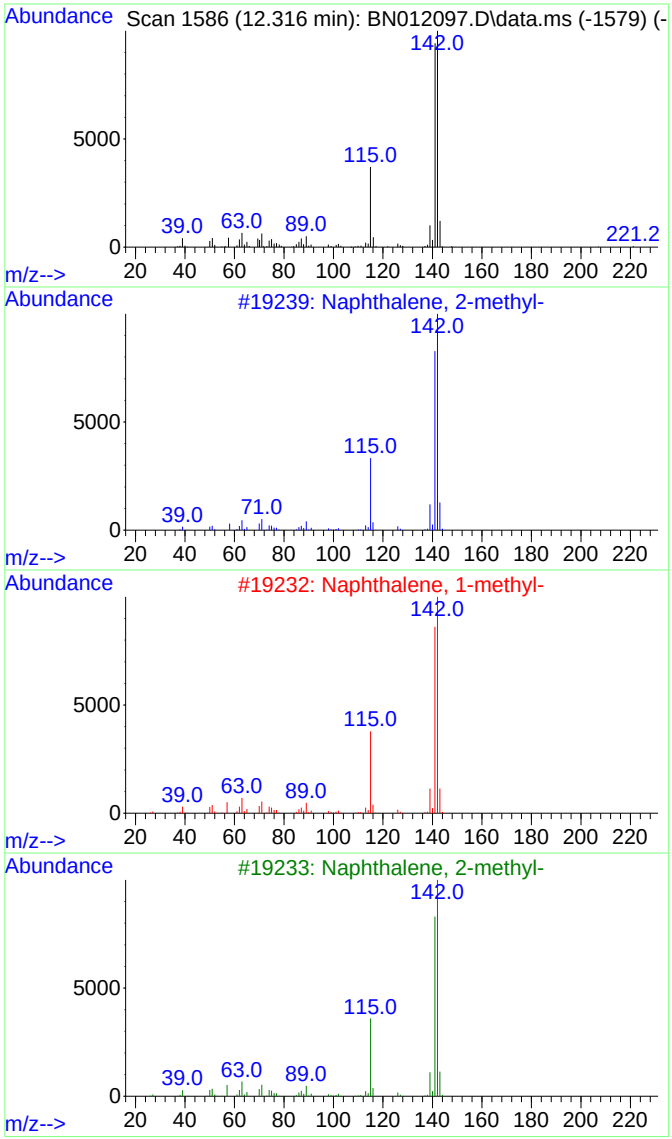
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

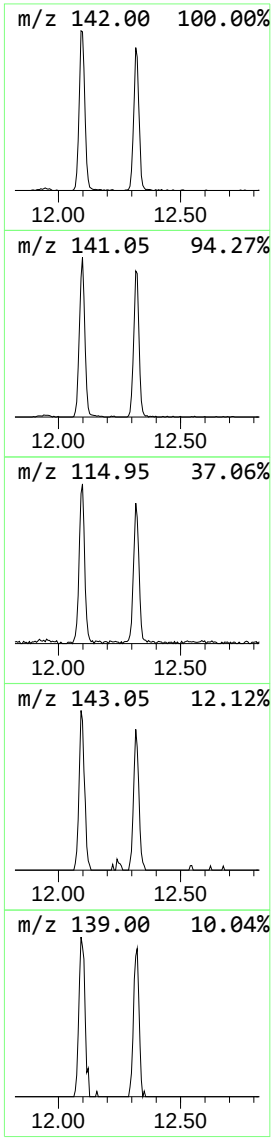
****

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.320	3.51 ng/ul	523344	Naphthalene-d8	10.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100720\
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Acq On : 07 Oct 2020 15:11
Operator : CG/JU
Sample : L4184-04DL 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AK6DL

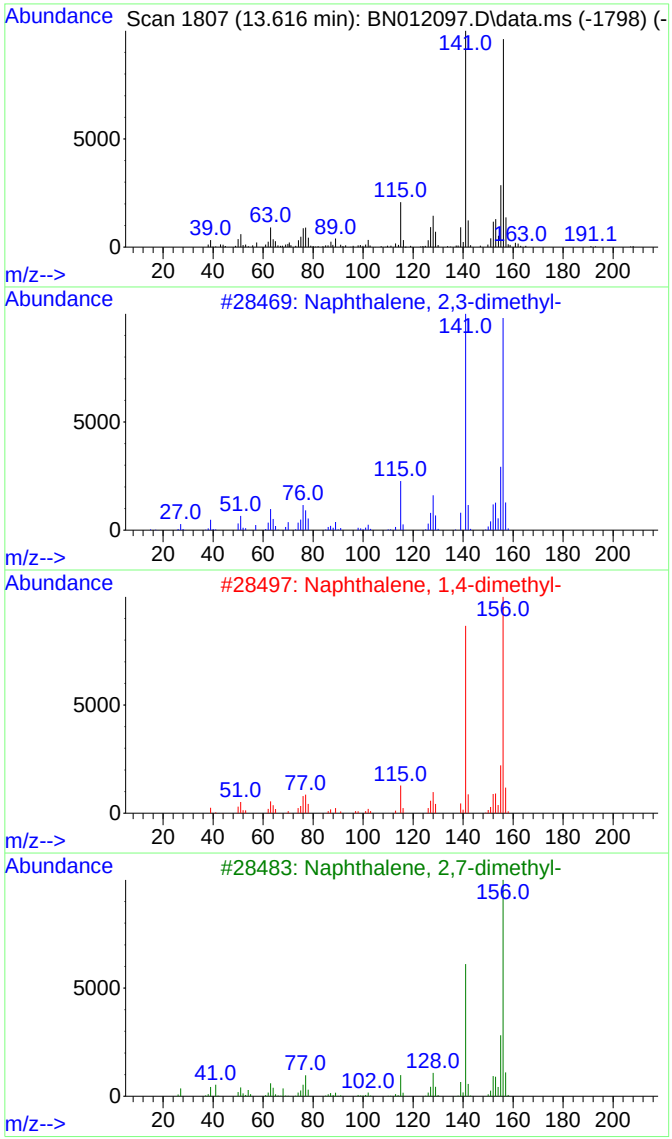
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

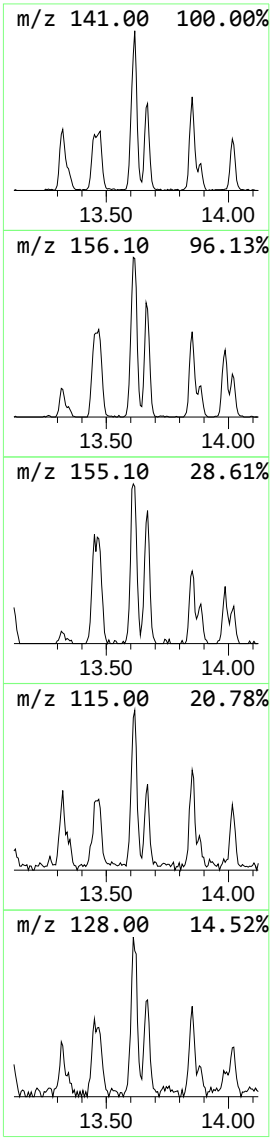
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.620	3.23 ng/ul	638222	Acenaphthene-d10	14.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





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Sample : L4184-04DL 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AK6DL

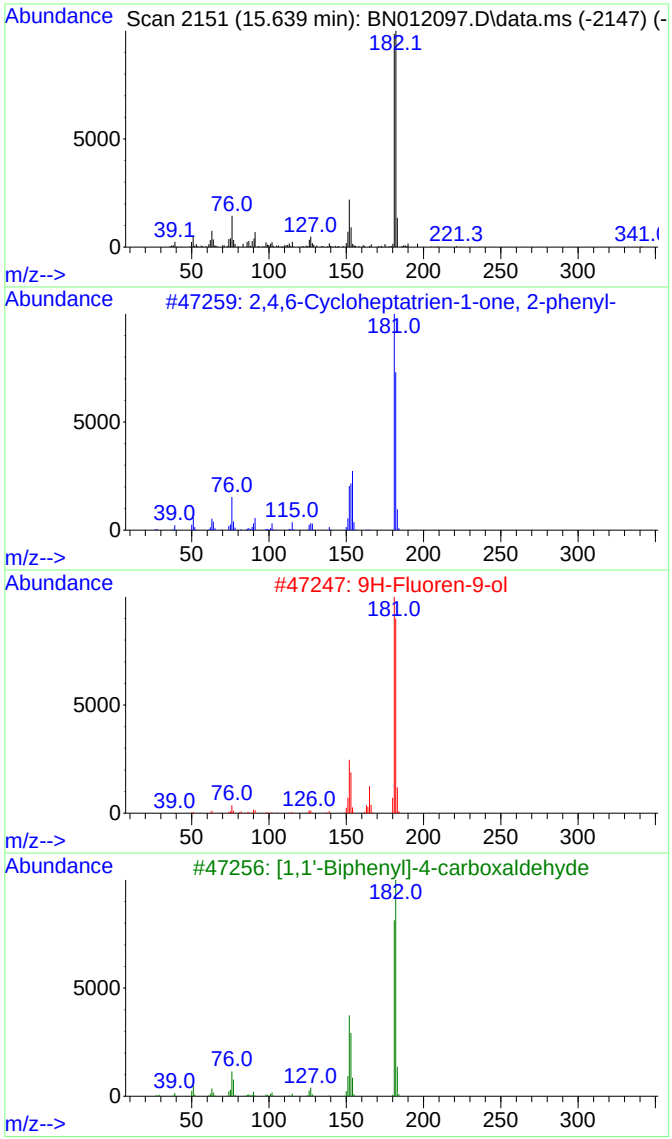
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

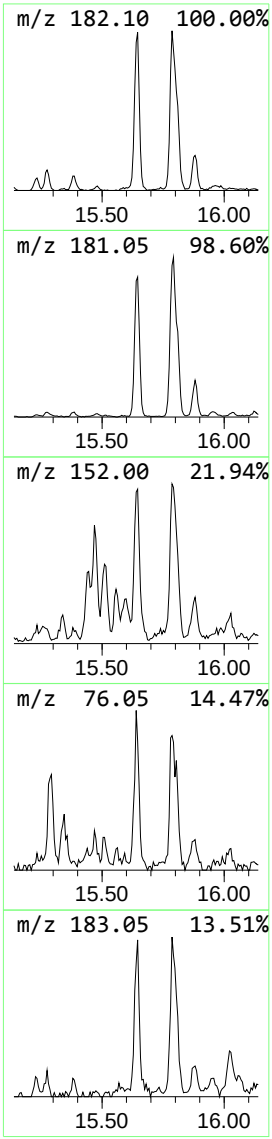
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2,4,6-Cycloheptatrien-1-one... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.640	3.24 ng/ul	638362	Acenaphthene-d10	14.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	90
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	87
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	74
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100720\
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Sample : L4184-04DL 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AK6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

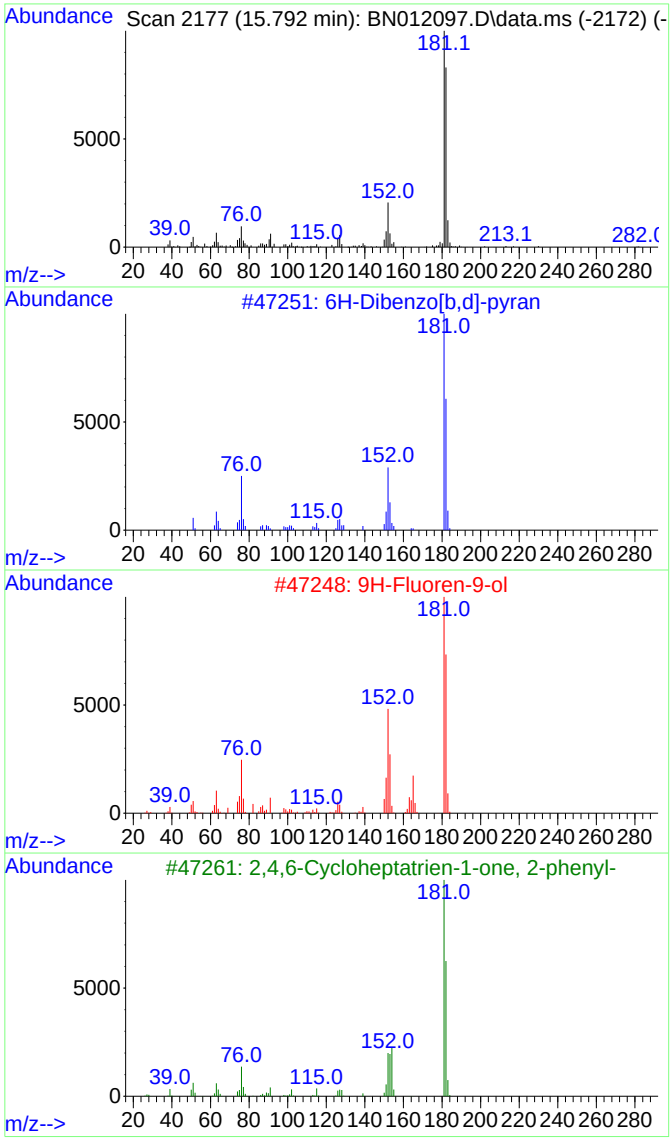
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

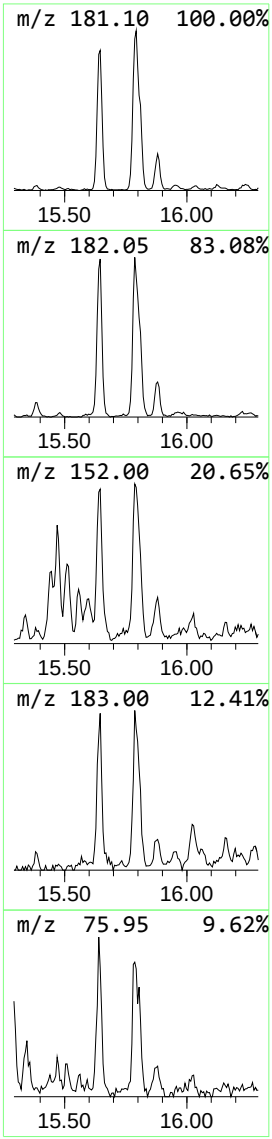
****

Peak Number 4 6H-Dibenzo[b,d]-pyran Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.790	3.72 ng/ul	772344	Phenanthrene-d10	17.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	91
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100720\
Data File : BN012097.D
Acq On : 07 Oct 2020 15:11
Operator : CG/JU
Sample : L4184-04DL 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AK6DL

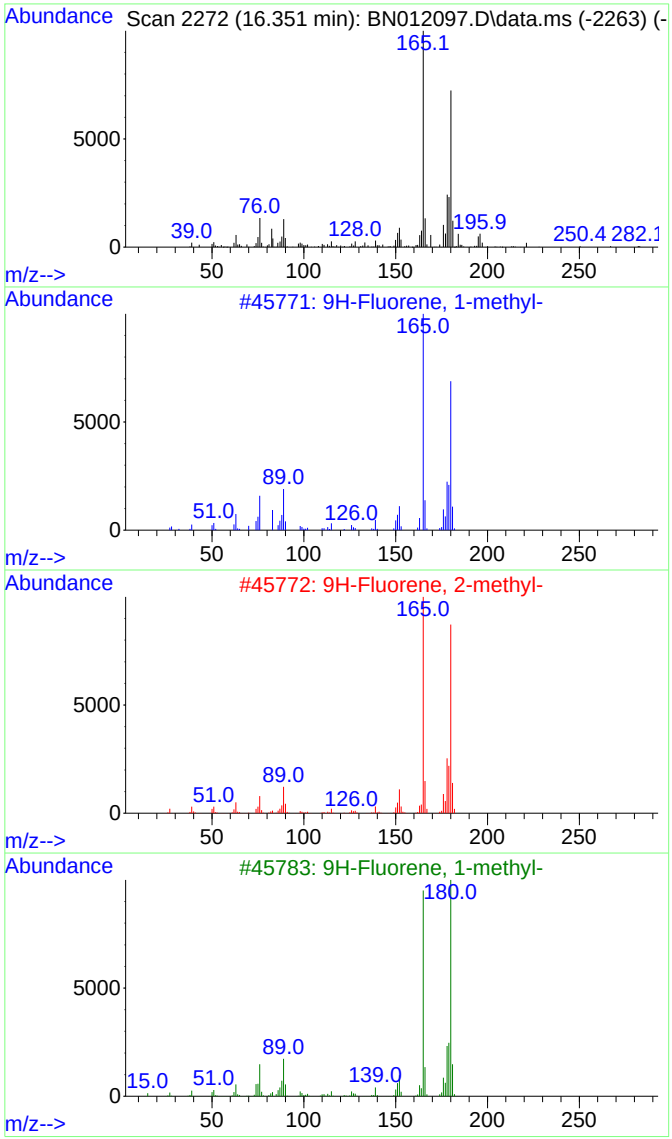
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

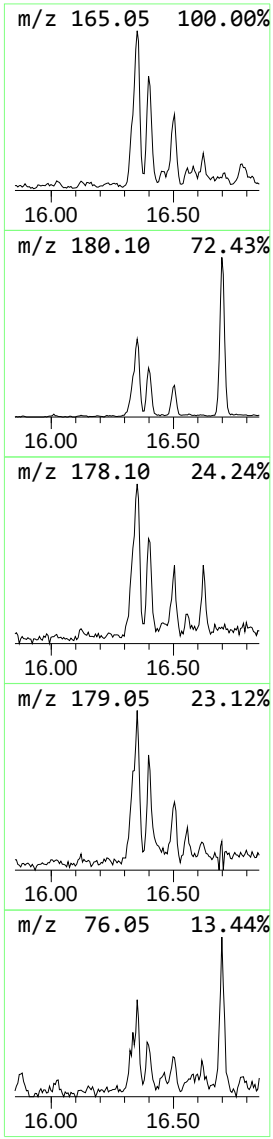
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 9H-Fluorene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.350	3.56 ng/ul	740026	Phenanthrene-d10	17.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89





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Acq On : 07 Oct 2020 15:11
Operator : CG/JU
Sample : L4184-04DL 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AK6DL

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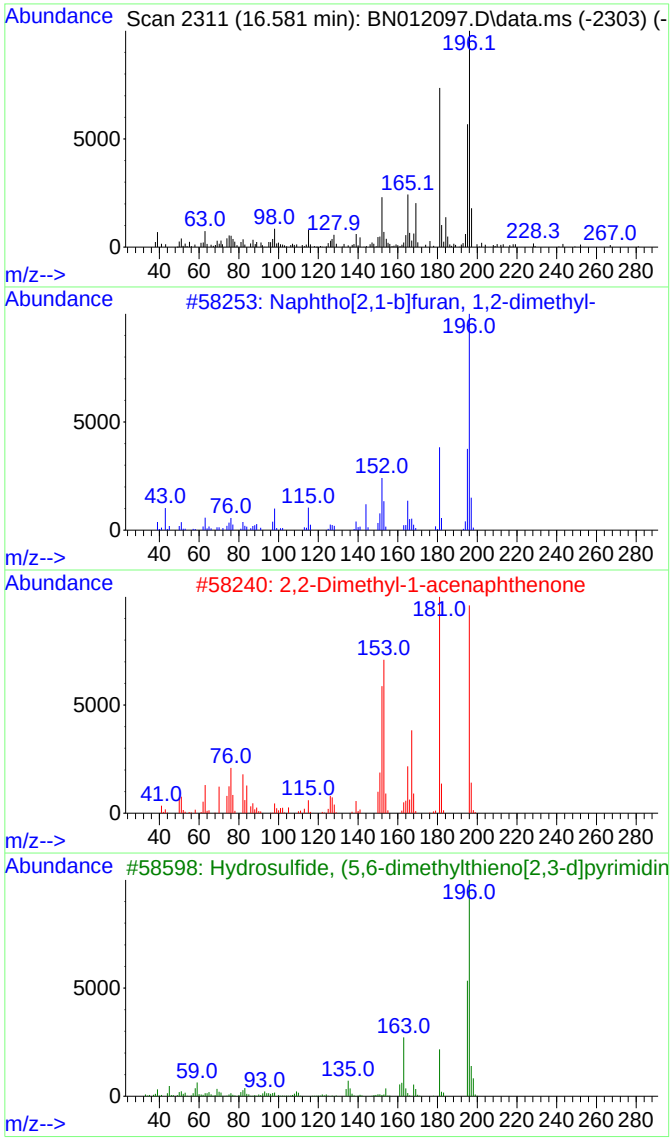
Quant Title : SVOA CALIBRATION

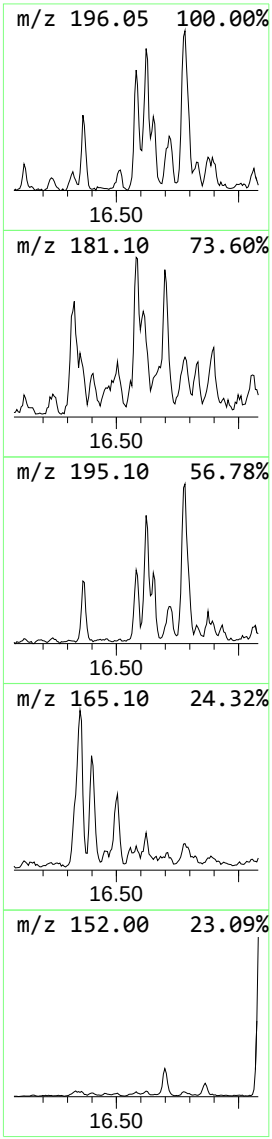
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Naphtho[2,1-b]furan, 1,2-di... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.580	2.03 ng/ul	422019	Phenanthrene-d10	17.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	70
2	2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	52
3	Hydrosulfide, (5,6-dimethylthien...	196	C8H8N2S2	1000362-41-8	43
4	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	43
5	Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	38





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Operator : CG/JU
Sample : L4184-04DL 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AK6DL

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Quant Title : SVOA CALIBRATION

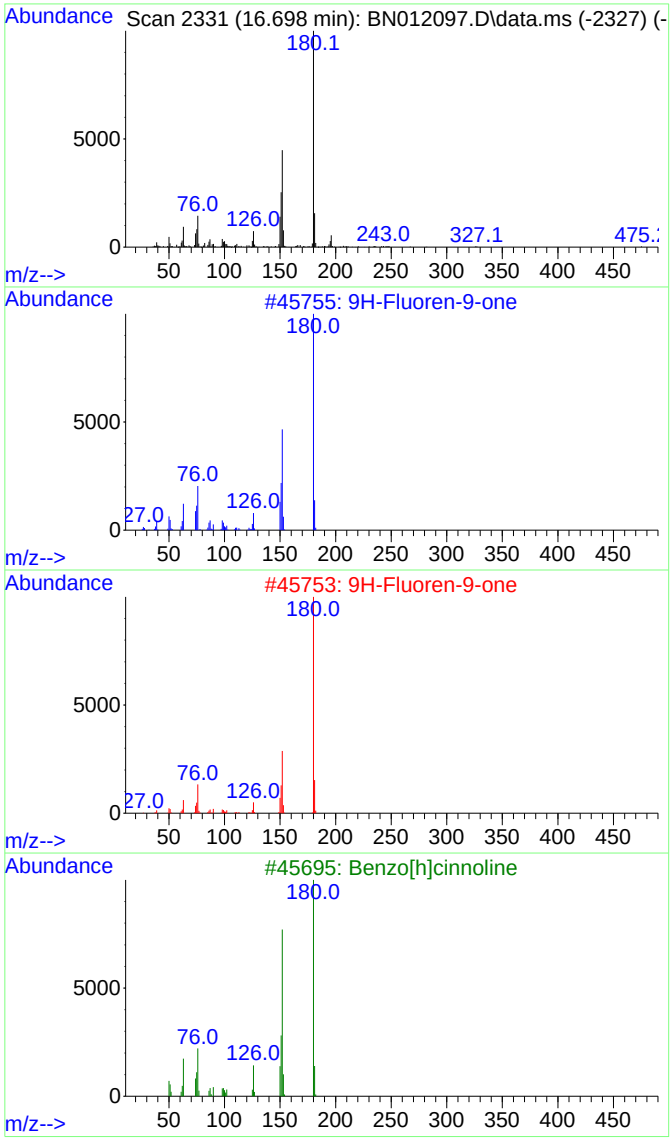
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

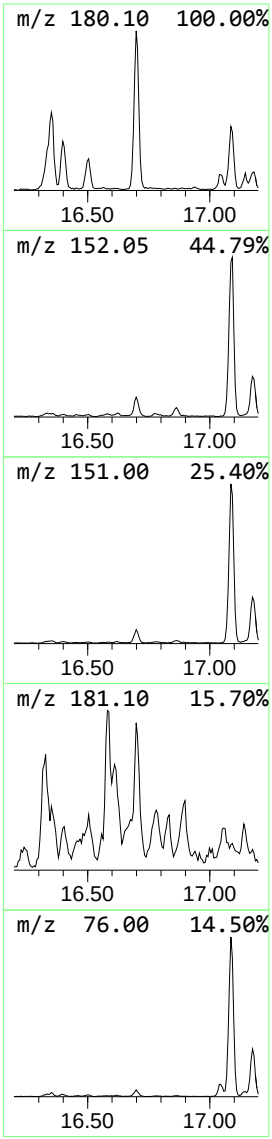
****

Peak Number 7 9H-Fluoren-9-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.700	2.78 ng/ul	577482	Phenanthrene-d10	17.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	90
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	76





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Sample : L4184-04DL 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AK6DL

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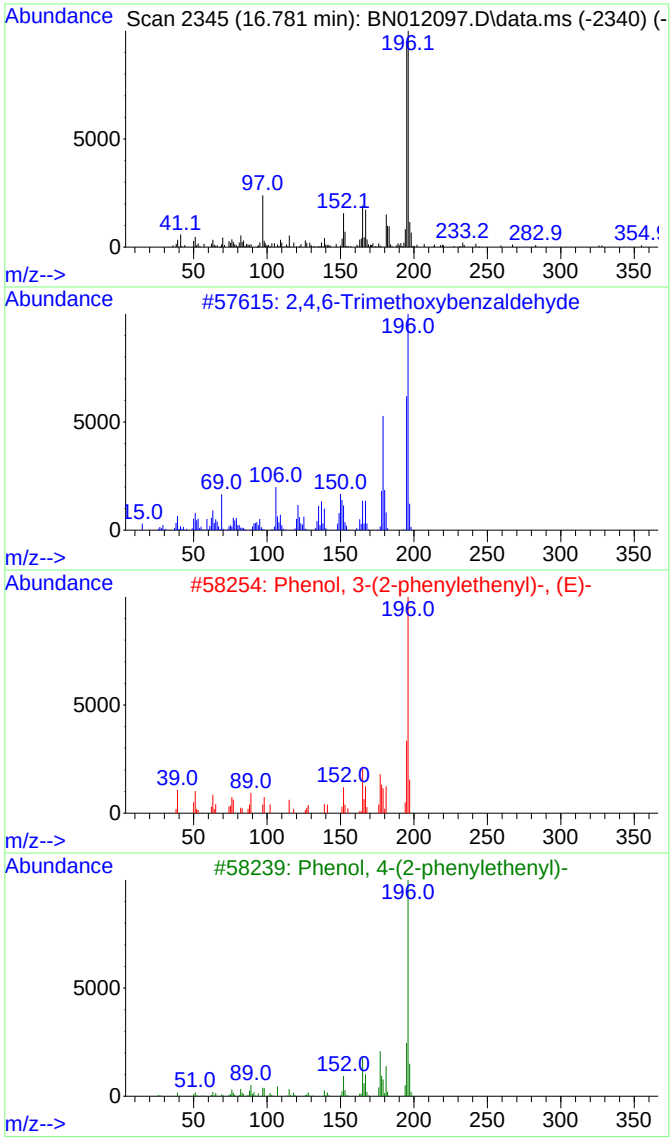
Quant Title : SVOA CALIBRATION

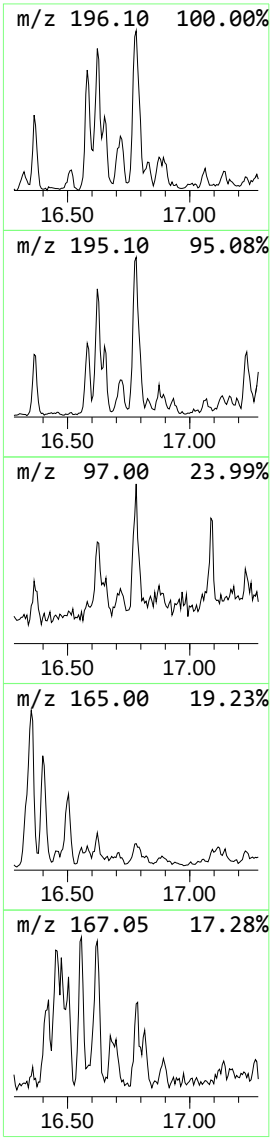
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 2,4,6-Trimethoxybenzaldehyde Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.780	2.01 ng/ul	416996	Phenanthrene-d10	17.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	50
2	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	49
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	49
4	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	47
5	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	43





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Sample : L4184-04DL 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AK6DL

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Quant Title : SVOA CALIBRATION

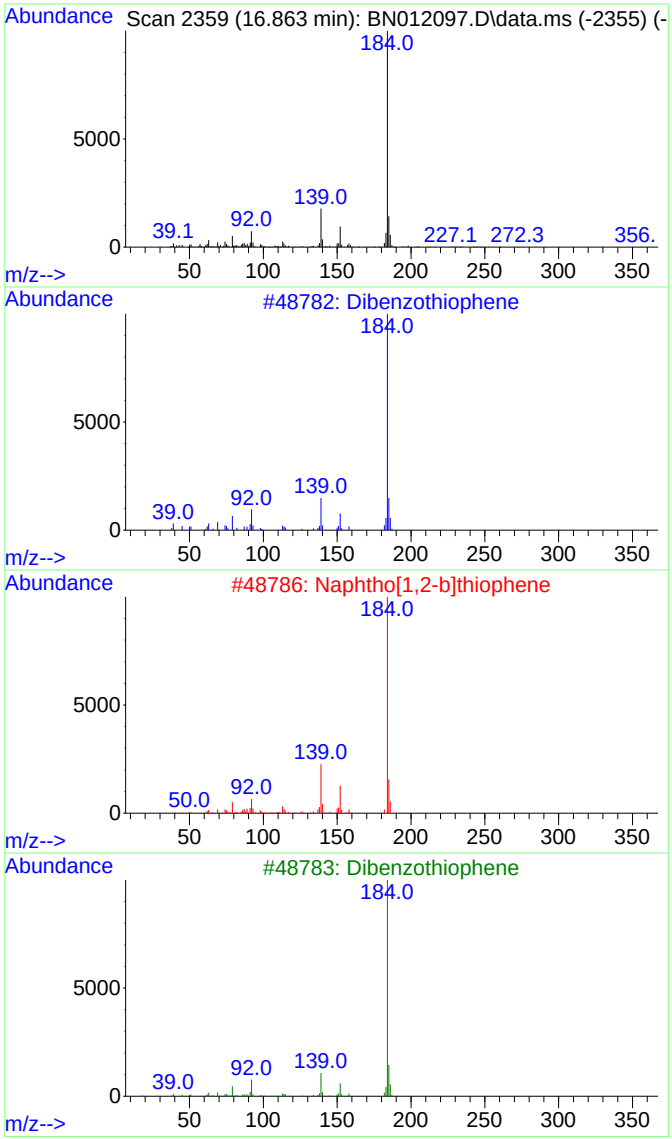
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

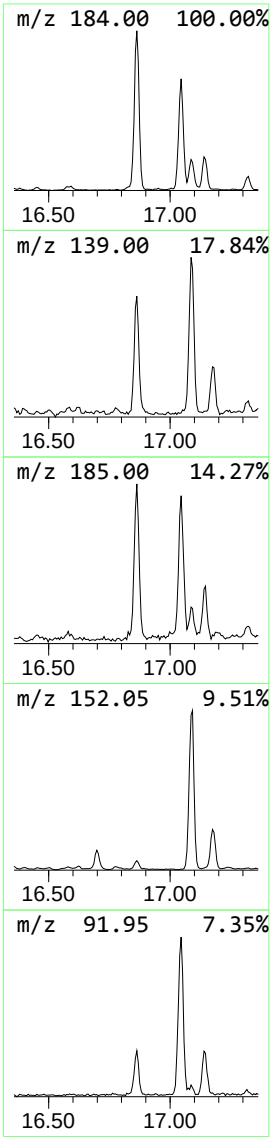
****

Peak Number 9 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.860	4.41 ng/ul	917175	Phenanthrene-d10	17.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	95
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





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Sample : L4184-04DL 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

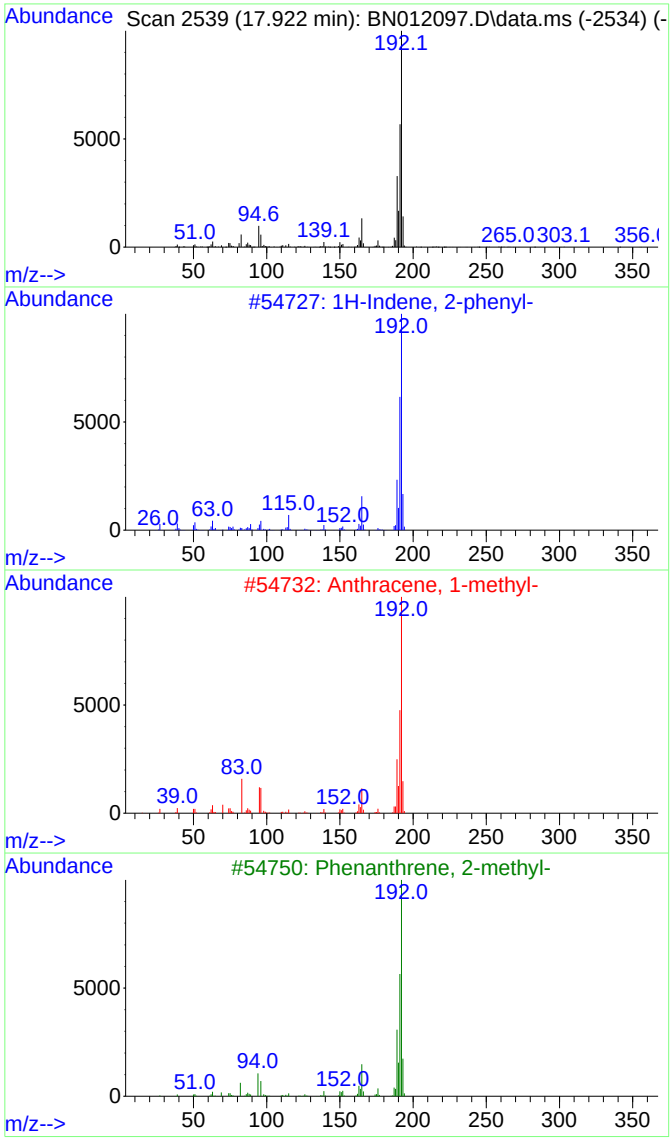
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

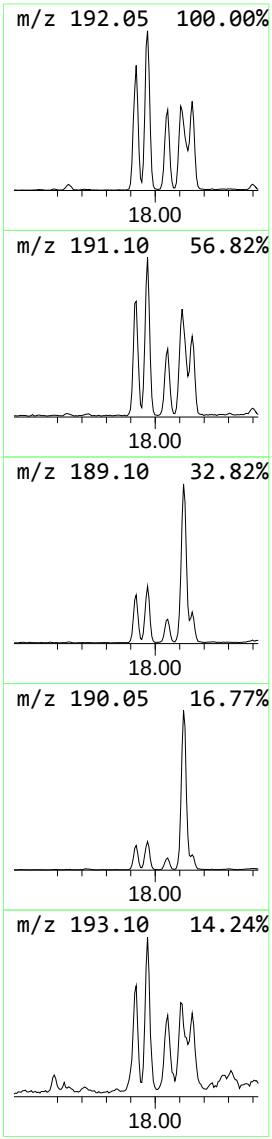
****

Peak Number 10 1H-Indene, 2-phenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.920	8.13 ng/ul	1689780	Phenanthrene-d10	17.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





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Sample : L4184-04DL 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AK6DL

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Quant Title : SVOA CALIBRATION

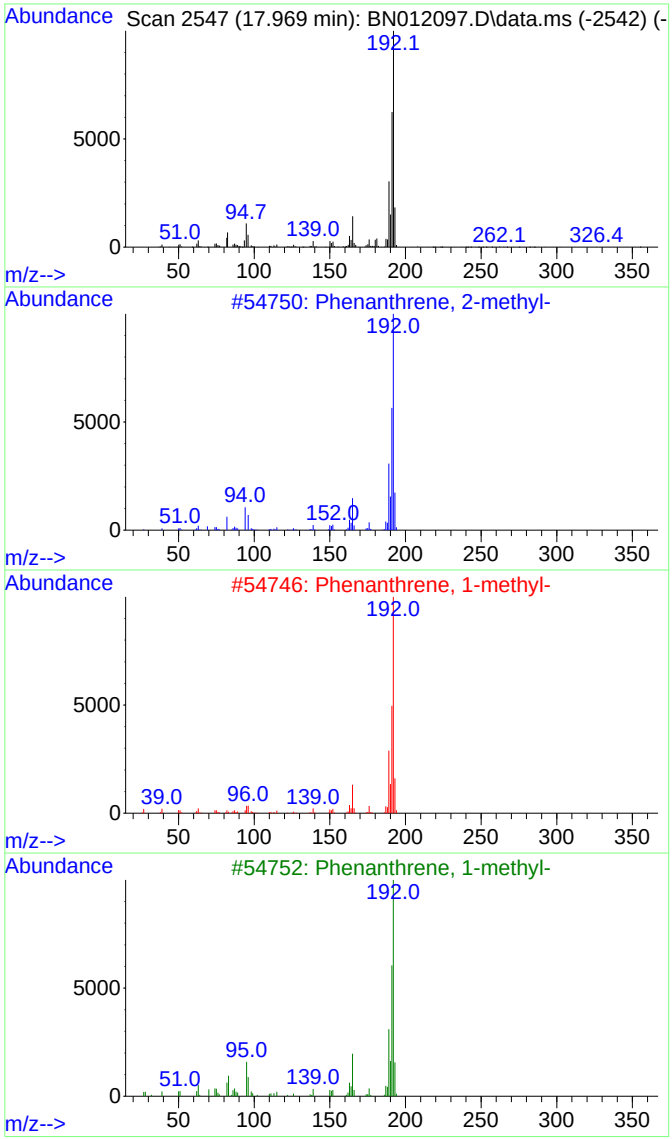
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

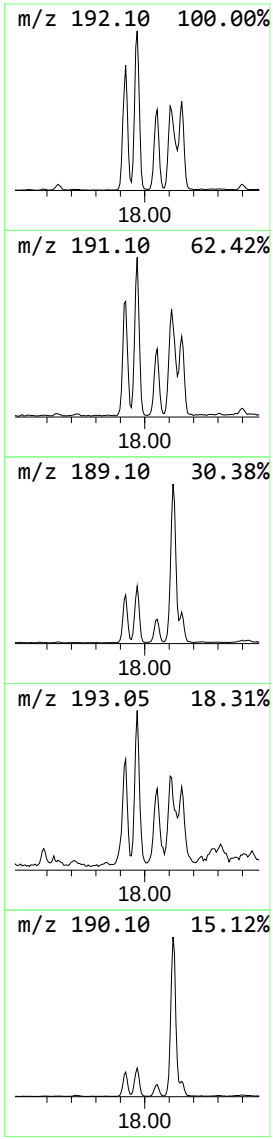
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.970	12.84 ng/ul	2666490	Phenanthrene-d10	17.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





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Acq On : 07 Oct 2020 15:11
Operator : CG/JU
Sample : L4184-04DL 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AK6DL

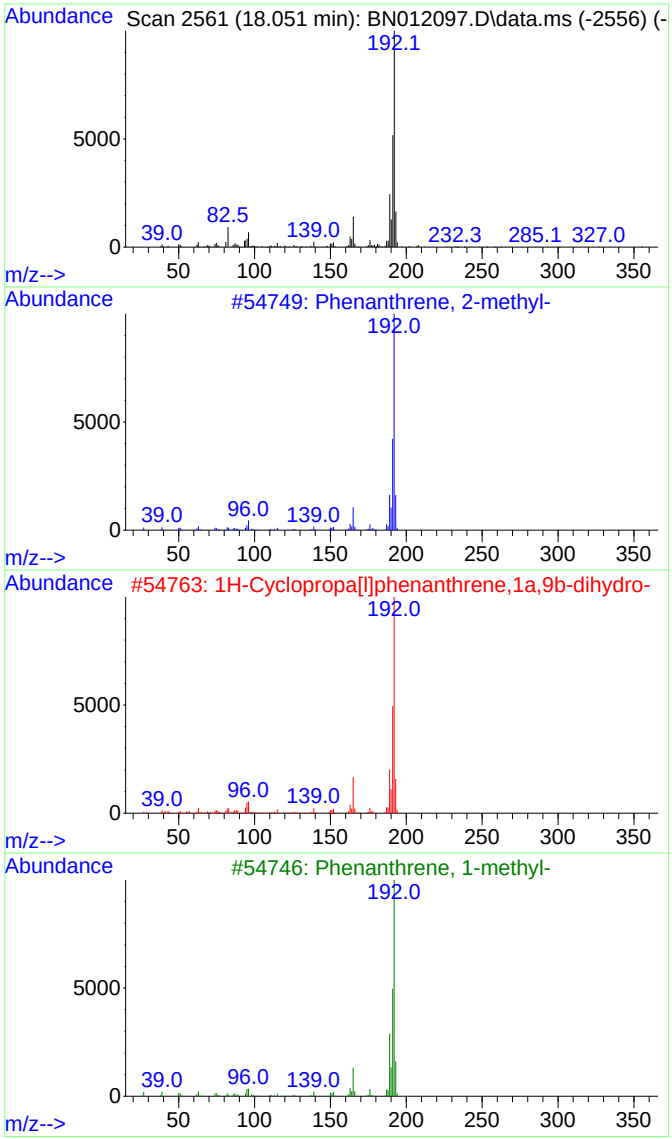
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

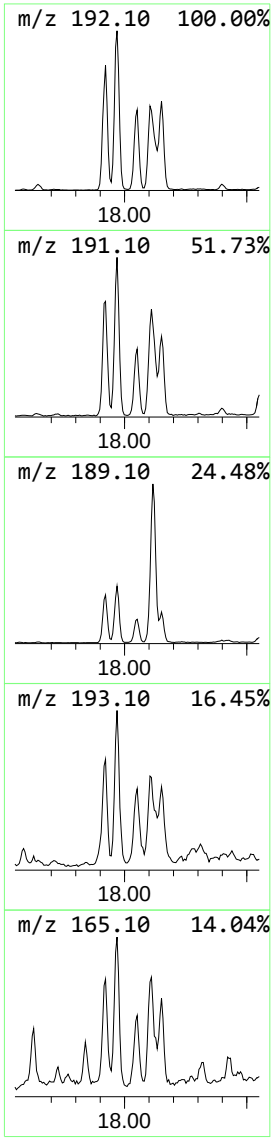
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.050	5.18 ng/ul	1076660	Phenanthrene-d10	17.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Sample : L4184-04DL 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AK6DL

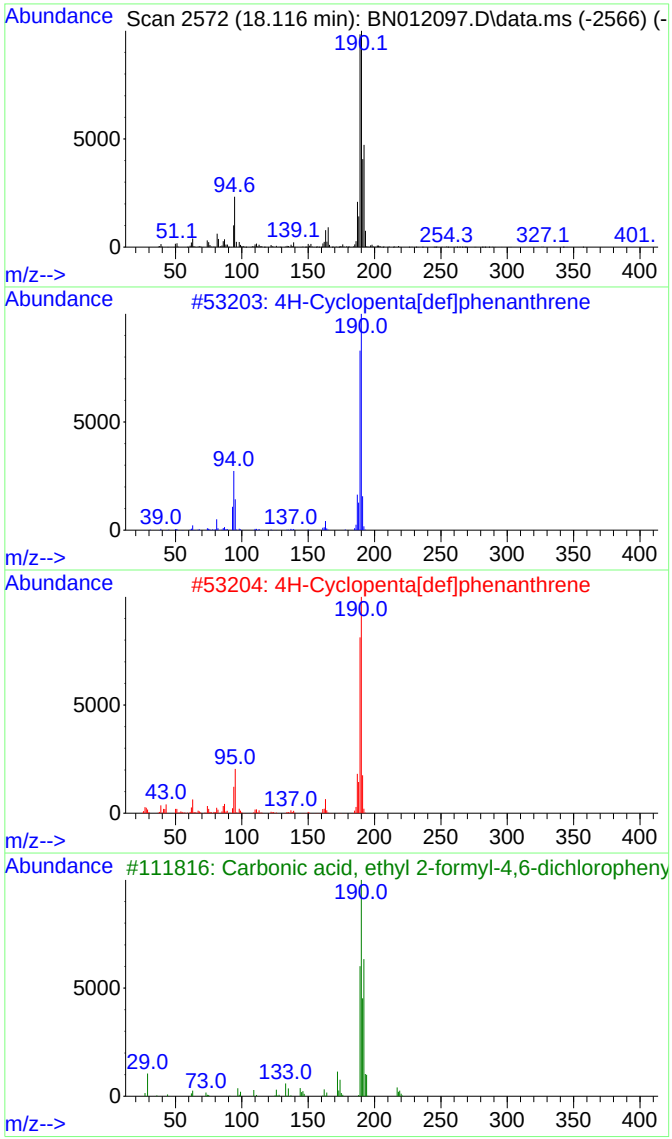
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

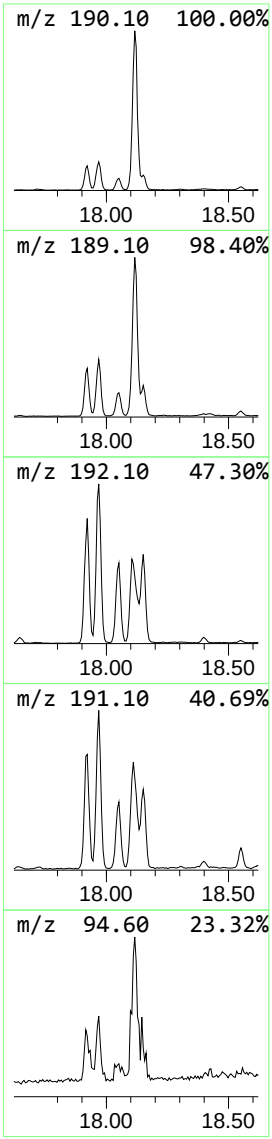
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.120	17.15 ng/ul	3562000	Phenanthrene-d10	17.045

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	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	47
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42





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Operator : CG/JU
Sample : L4184-04DL 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AK6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

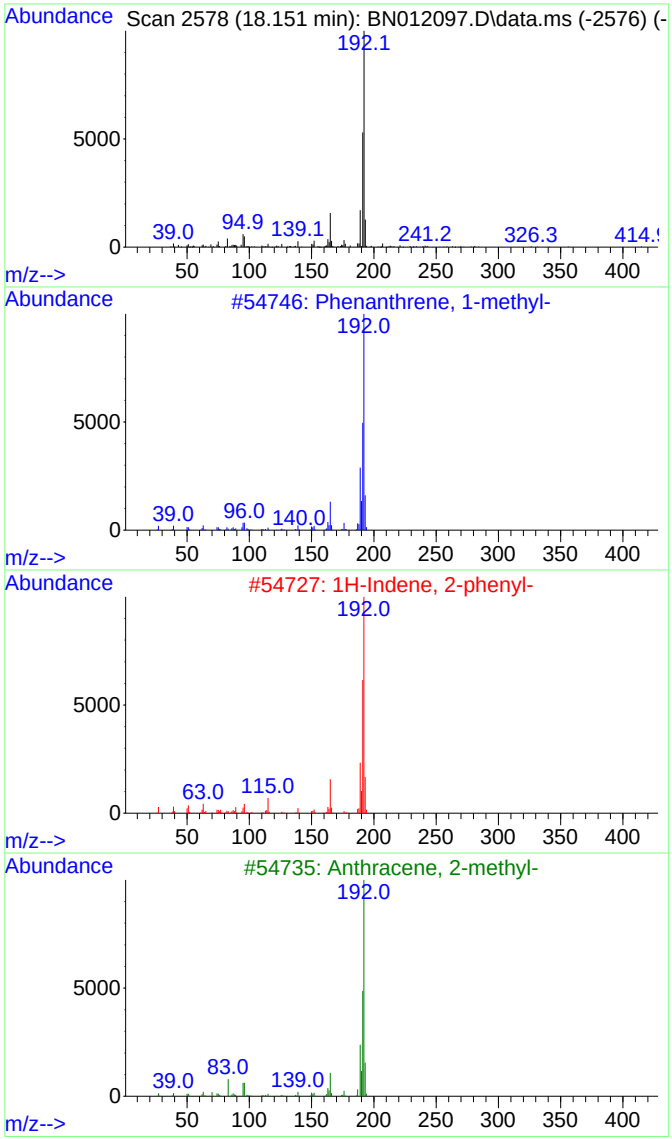
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

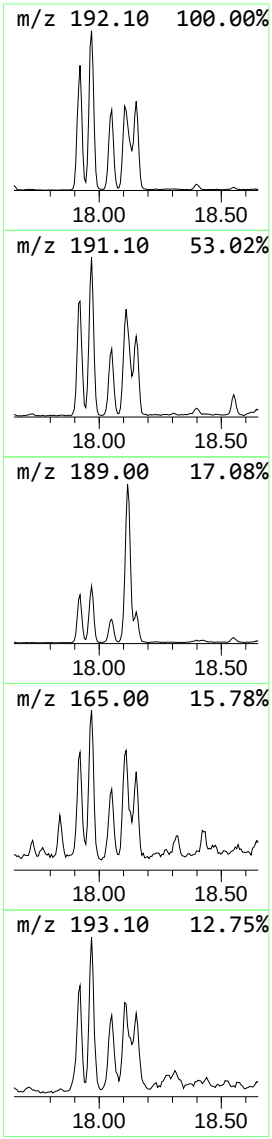
****

Peak Number 14 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.150	4.91 ng/ul	1020510	Phenanthrene-d10	17.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87





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Sample : L4184-04DL 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AK6DL

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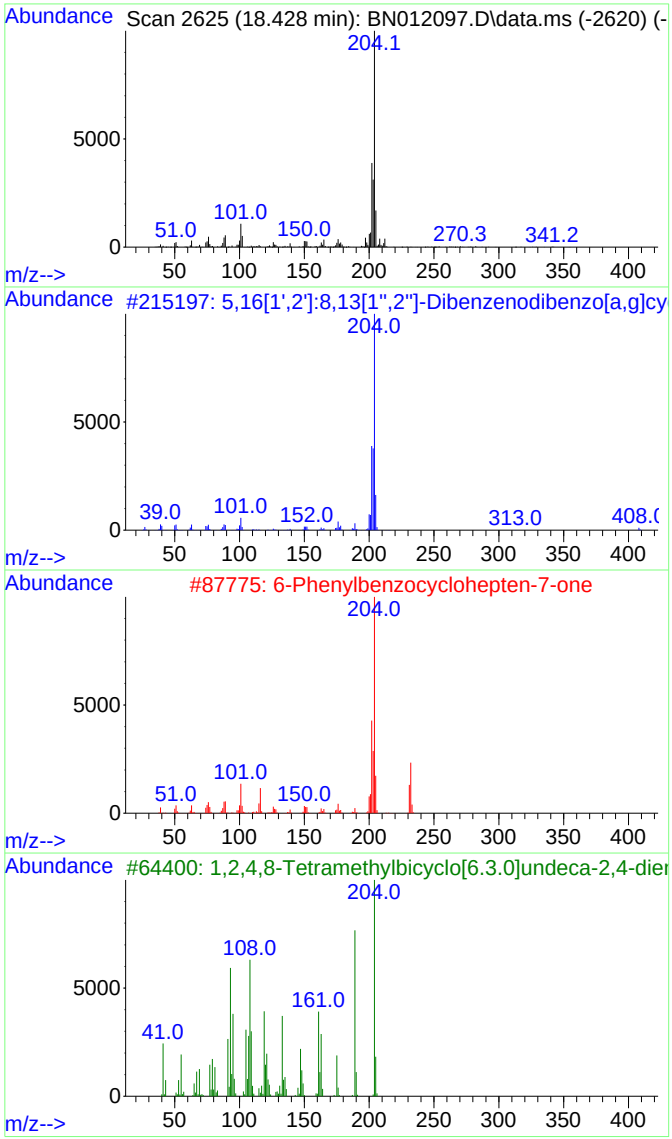
Quant Title : SVOA CALIBRATION

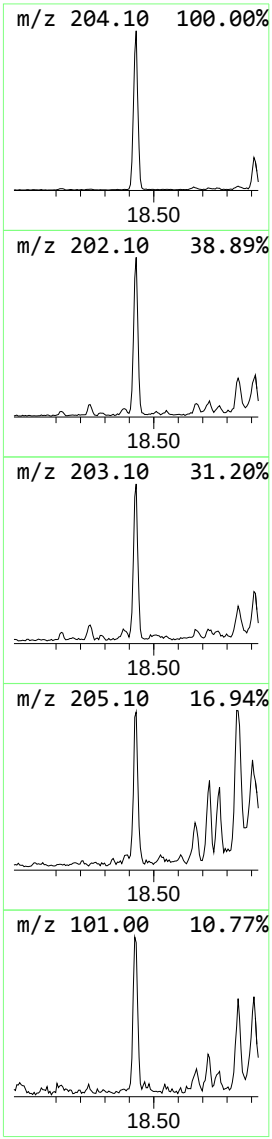
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.430	5.56 ng/ul	1155000	Phenanthrene-d10	17.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	80
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70





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ClientSampleId : C0AK6DL

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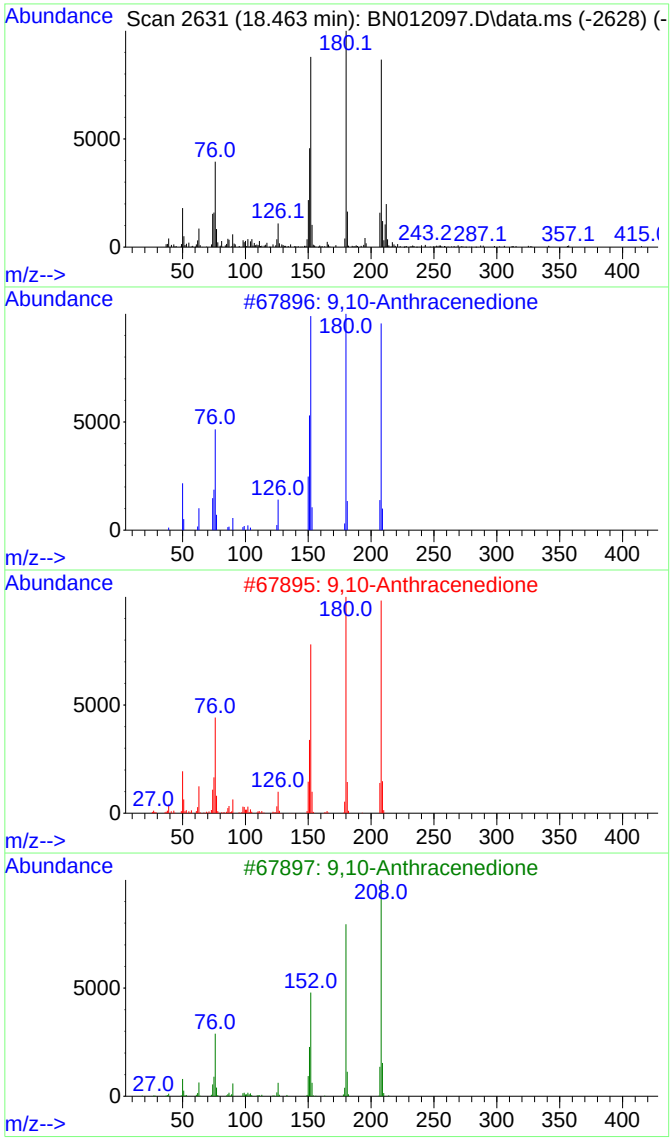
Quant Title : SVOA CALIBRATION

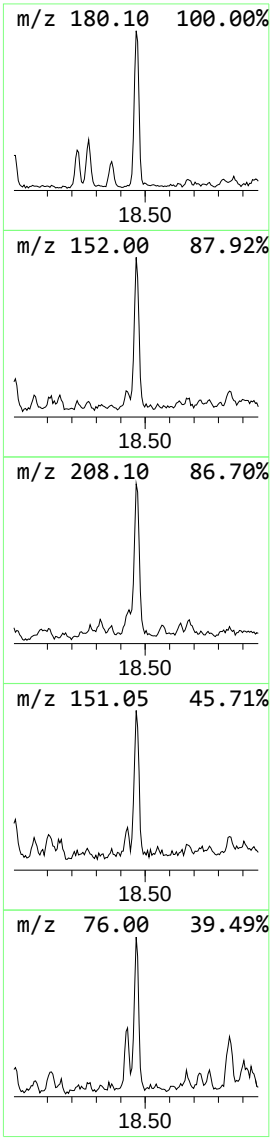
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.460	3.88 ng/ul	805950	Phenanthrene-d10	17.045

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	70
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64





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Acq On : 07 Oct 2020 15:11
Operator : CG/JU
Sample : L4184-04DL 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AK6DL

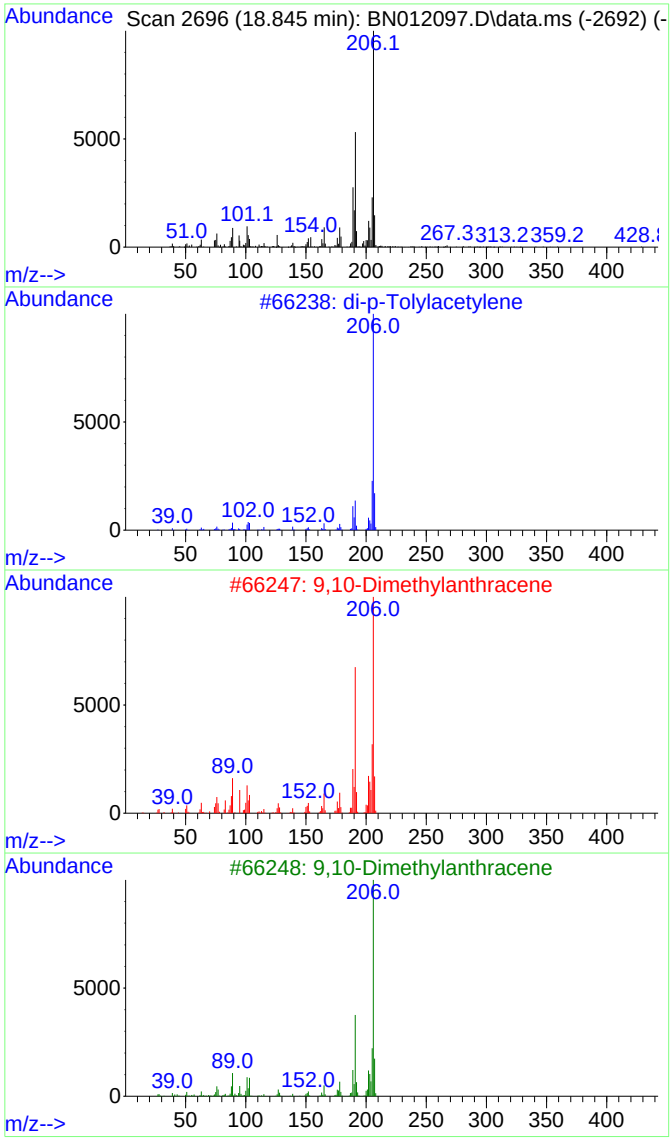
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

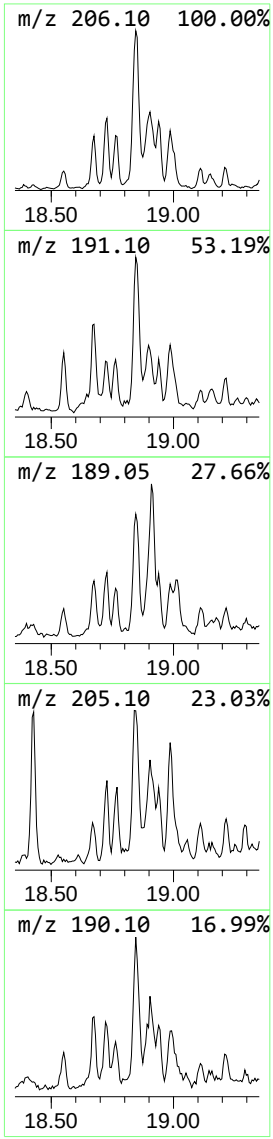
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 di-p-Tolylacetylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.850	5.61 ng/ul	1166440	Phenanthrene-d10	17.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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Acq On : 07 Oct 2020 15:11
Operator : CG/JU
Sample : L4184-04DL 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AK6DL

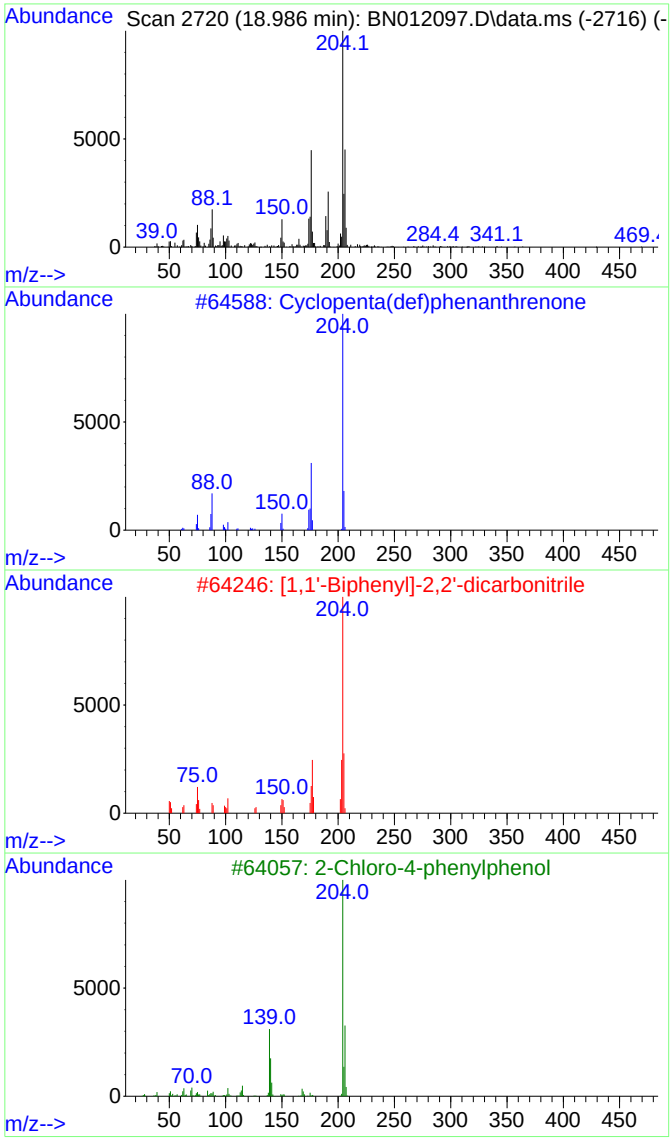
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

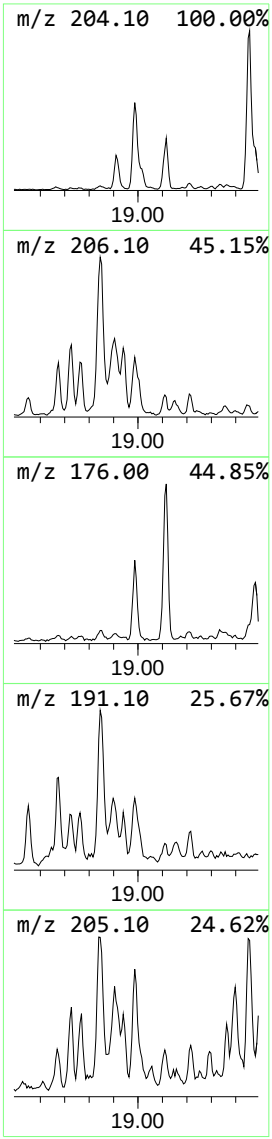
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.990	6.53 ng/ul	1356470	Phenanthrene-d10	17.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	45
3	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	38
5	1-(2-Acetylphenyl)-5-chloro-1H-p...	247	C13H10ClNO2	1000306-71-0	37





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Data File : BN012097.D
Acq On : 07 Oct 2020 15:11
Operator : CG/JU
Sample : L4184-04DL 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AK6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

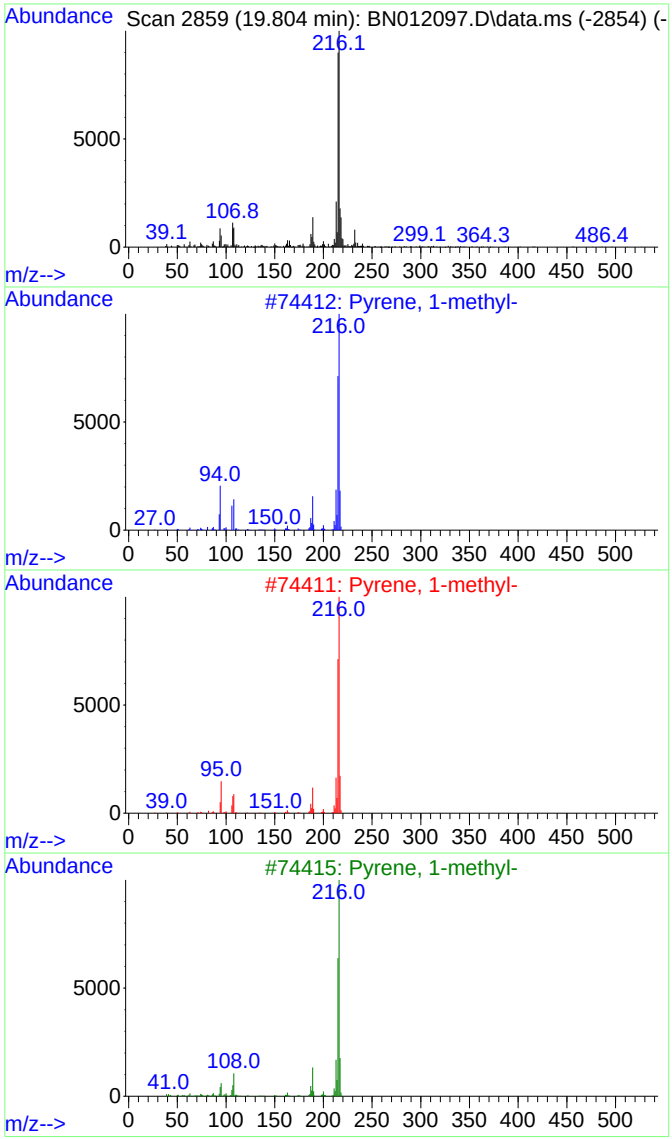
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

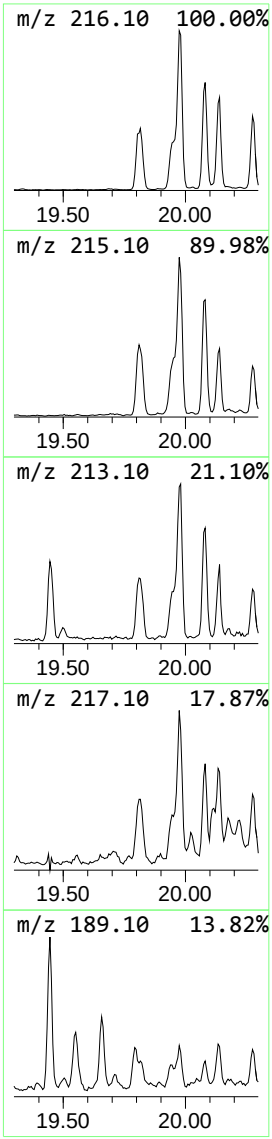
****

Peak Number 19 Pyrene, 1-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.800	2.77 ng/ul	1981120	Chrysene-d12	21.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	89
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89





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Data File : BN012097.D
Acq On : 07 Oct 2020 15:11
Operator : CG/JU
Sample : L4184-04DL 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AK6DL

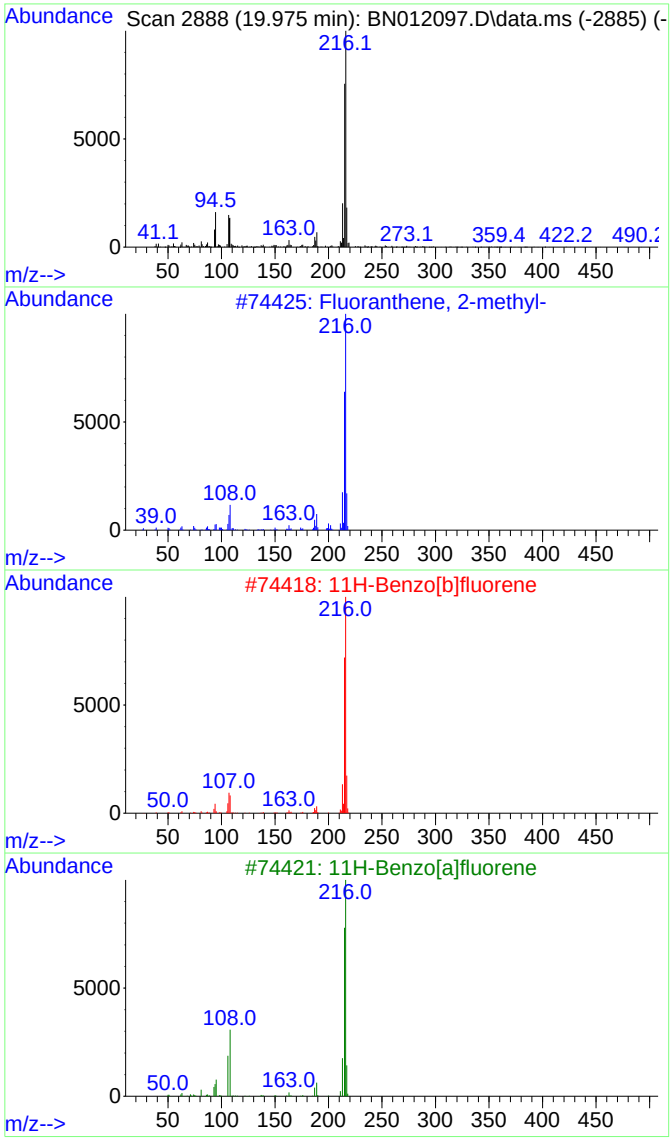
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

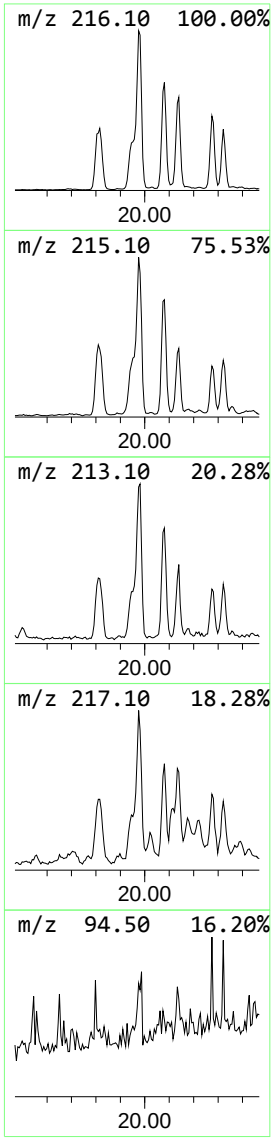
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Fluoranthene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.970	3.41 ng/ul	2439890	Chrysene-d12	21.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	89
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Data File : BN012097.D
Acq On : 07 Oct 2020 15:11
Operator : CG/JU
Sample : L4184-04DL 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AK6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

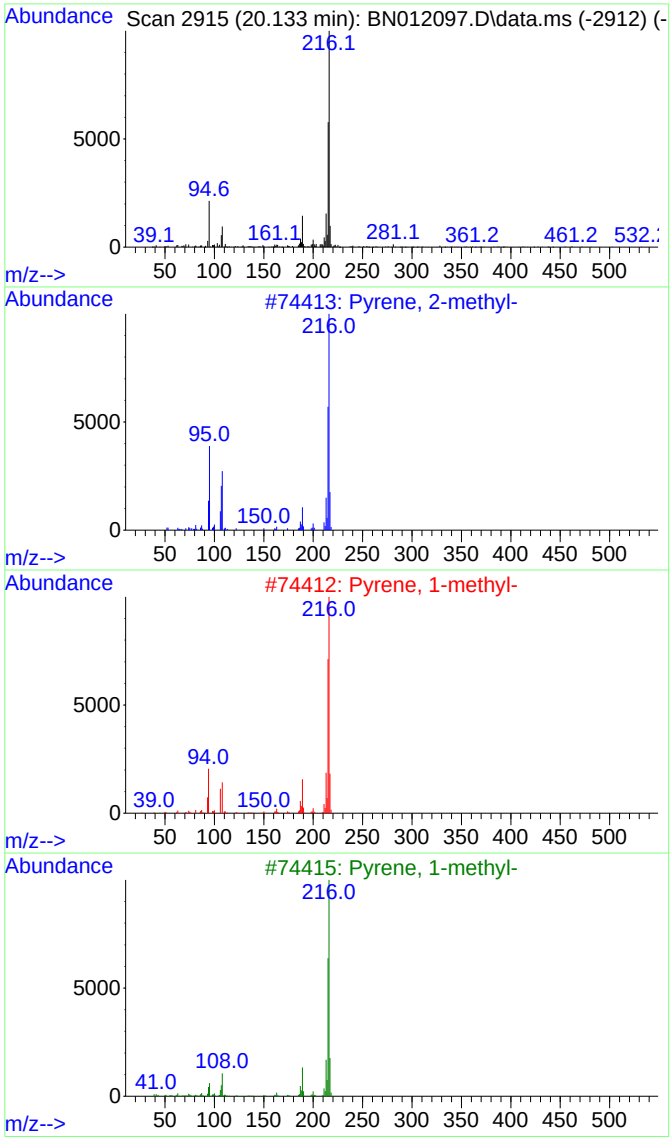
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

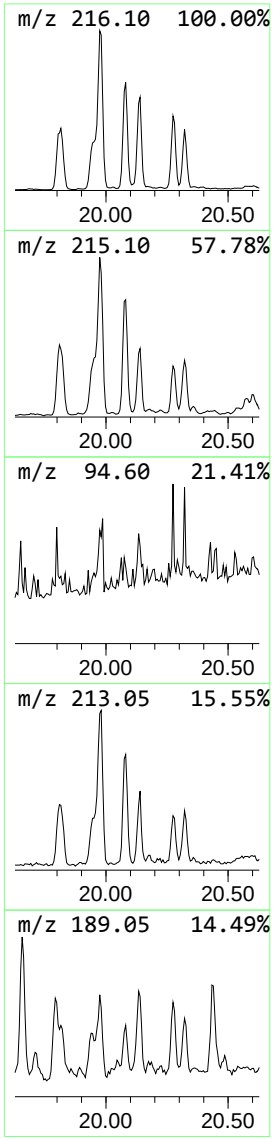
****

Peak Number 21 Pyrene, 2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.130	2.04 ng/ul	1457530	Chrysene-d12	21.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	70





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Data File : BN012097.D
Acq On : 07 Oct 2020 15:11
Operator : CG/JU
Sample : L4184-04DL 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AK6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

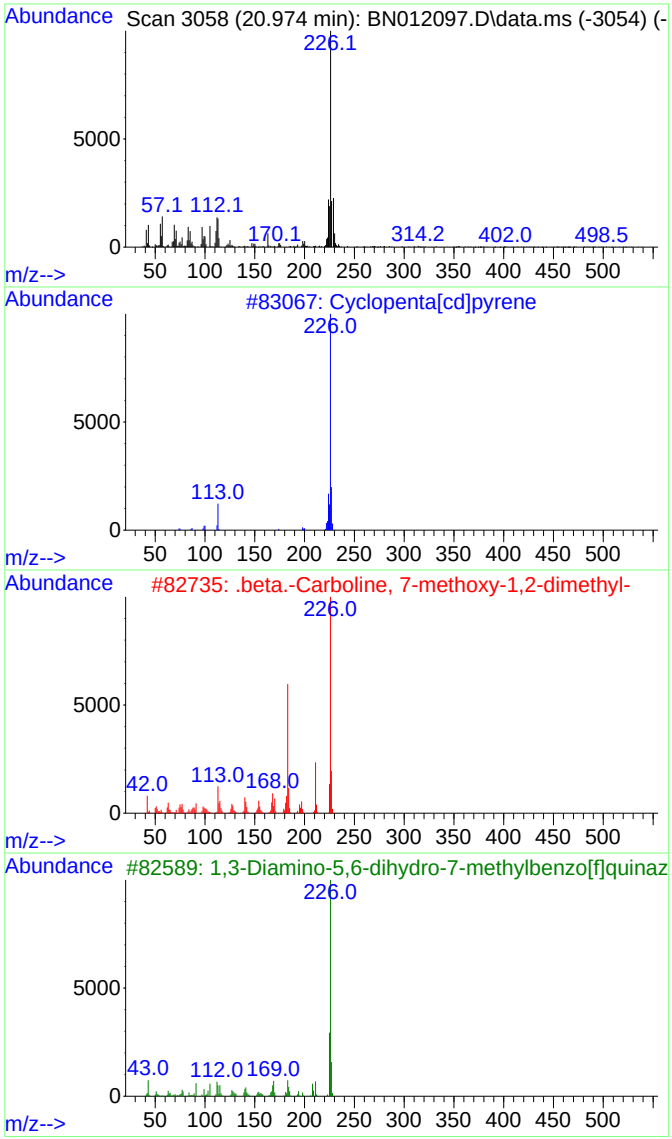
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

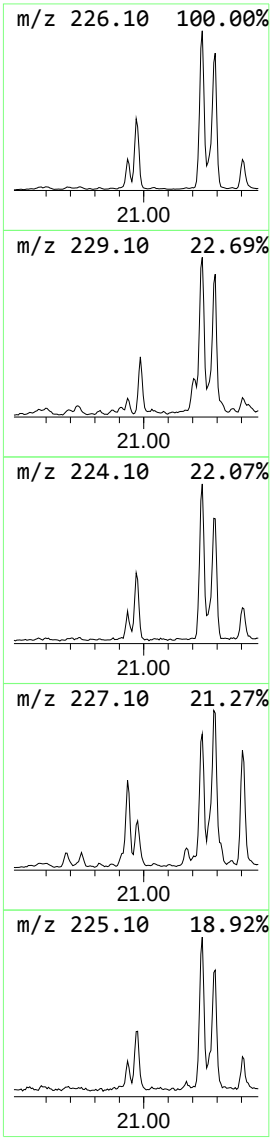
****

Peak Number 22 Cyclopenta[cd]pyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.970	2.87 ng/ul	2052490	Chrysene-d12	21.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	53
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	53
3	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	47
4	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	47
5	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	43





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Data File : BN012097.D
Acq On : 07 Oct 2020 15:11
Operator : CG/JU
Sample : L4184-04DL 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AK6DL

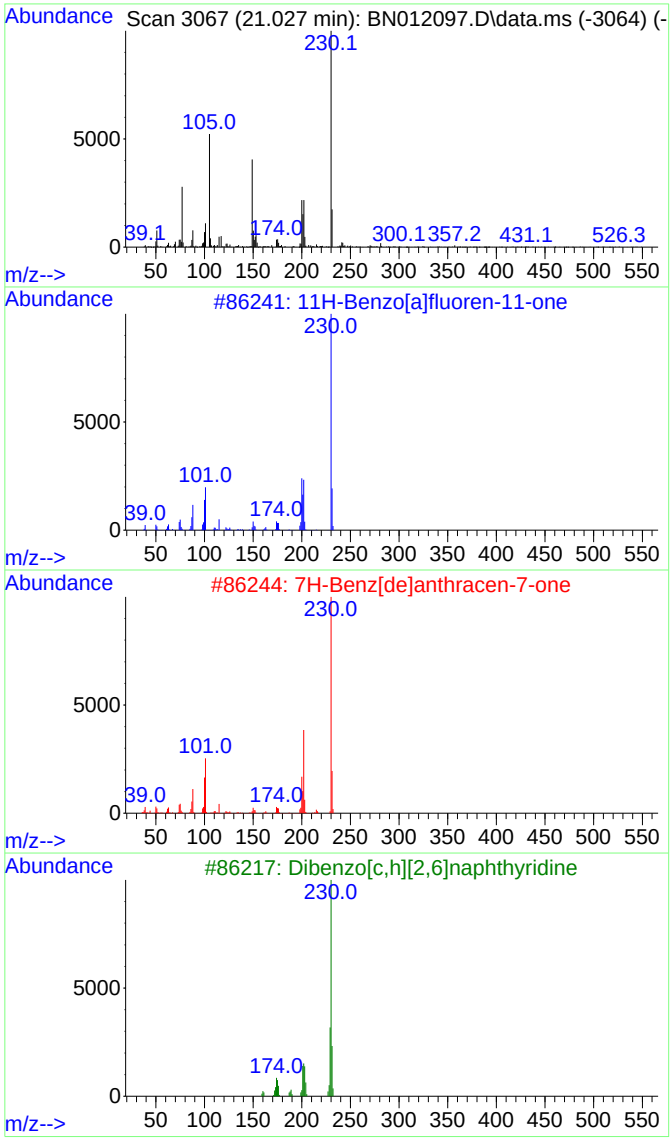
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

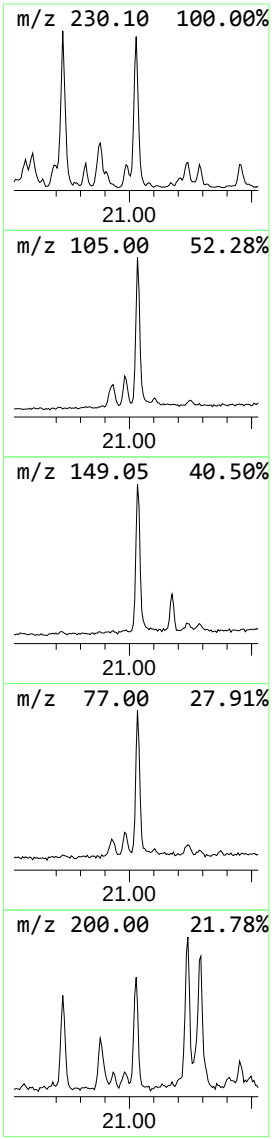
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 11H-Benzo[a]fluoren-11-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.030	3.35 ng/ul	2392850	Chrysene-d12	21.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	86
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	60
3	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	59
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	55
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	53





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Data File : BN012097.D
Acq On : 07 Oct 2020 15:11
Operator : CG/JU
Sample : L4184-04DL 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AK6DL

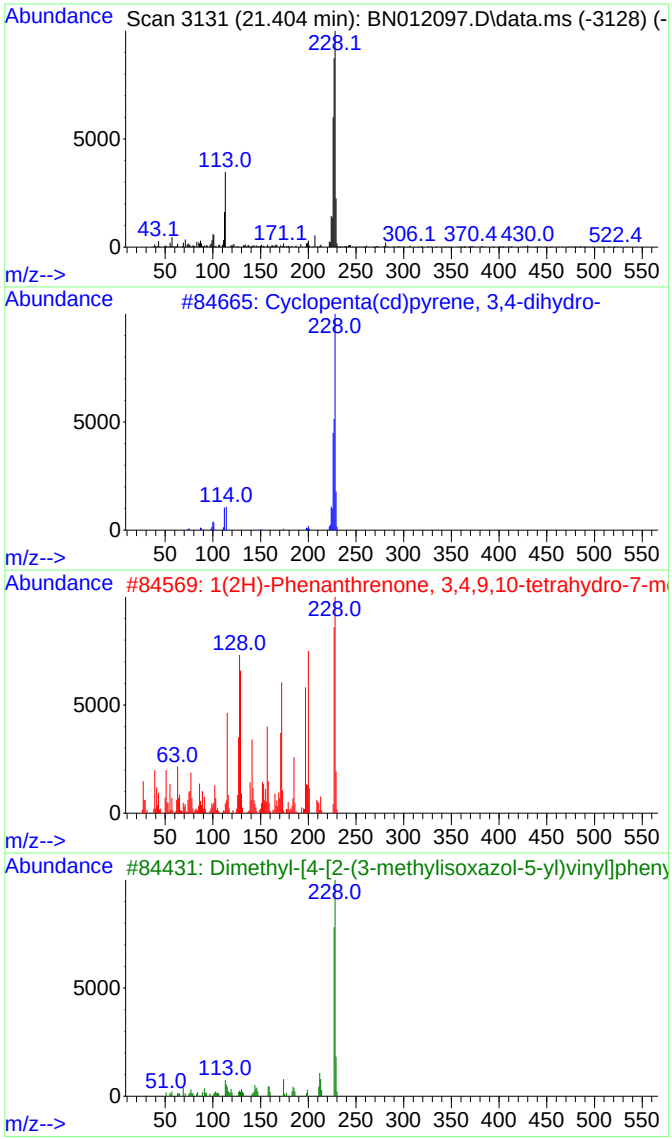
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

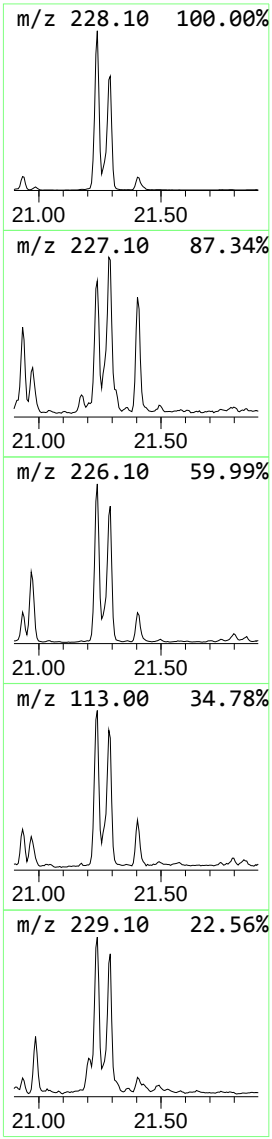
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.400	2.29 ng/ul	1637220	Chrysene-d12	21.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	55
2	1(2H)-Phenanthrenone, 3,4,9,10-t...	228	C15H16O2	014427-61-3	50
3	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	46
5	Triphenylene	228	C18H12	000217-59-4	43





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Acq On : 07 Oct 2020 15:11
Operator : CG/JU
Sample : L4184-04DL 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AK6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

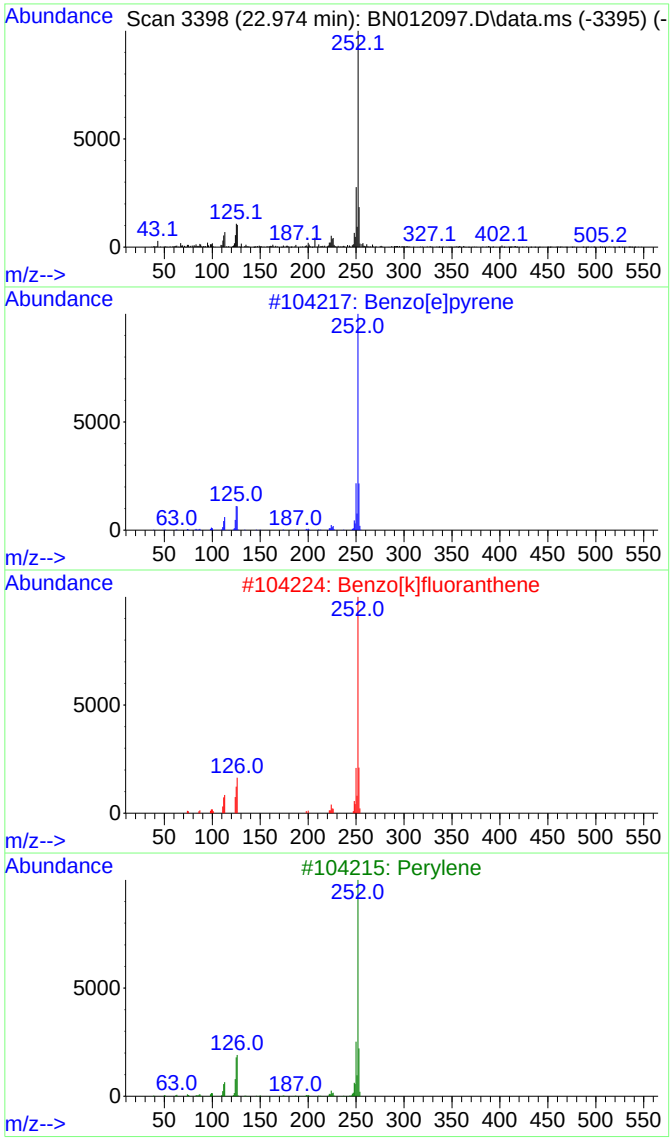
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

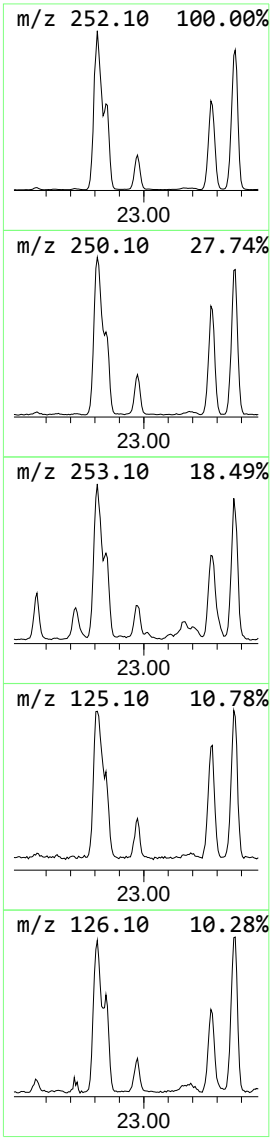
****

Peak Number 25 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.970	11.44 ng/ul	1661420	Perylene-d12	23.468

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Perylene	252	C20H12	000198-55-0	94
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100720\
Data File : BN012097.D
Acq On : 07 Oct 2020 15:11
Operator : CG/JU
Sample : L4184-04DL 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0AK6DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 1-...	12.320	3.5	ng/ul	523344	2	10.428	2982180	20.0
Naphthalene, 2,...	13.620	3.2	ng/ul	638222	3	14.298	3946440	20.0
2,4,6-Cyclohept...	15.640	3.2	ng/ul	638362	3	14.298	3946440	20.0
6H-Dibenzo[b,d]...	15.790	3.7	ng/ul	772344	4	17.045	4155040	20.0
9H-Fluorene, 1-...	16.350	3.6	ng/ul	740026	4	17.045	4155040	20.0
Naphtho[2,1-b]f...	16.580	2.0	ng/ul	422019	4	17.045	4155040	20.0
9H-Fluoren-9-one	16.700	2.8	ng/ul	577482	4	17.045	4155040	20.0
2,4,6-Trimethox...	16.780	2.0	ng/ul	416996	4	17.045	4155040	20.0
Dibenzothiophene	16.860	4.4	ng/ul	917175	4	17.045	4155040	20.0
1H-Indene, 2-ph...	17.920	8.1	ng/ul	1689780	4	17.045	4155040	20.0
Phenanthrene, 2...	17.970	12.8	ng/ul	2666490	4	17.045	4155040	20.0
1H-Cyclopropa[l...	18.050	5.2	ng/ul	1076660	4	17.045	4155040	20.0
4H-Cyclopenta[d...	18.120	17.1	ng/ul	3562000	4	17.045	4155040	20.0
Phenanthrene, 1...	18.150	4.9	ng/ul	1020510	4	17.045	4155040	20.0
5,16[1',2']:8,1...	18.430	5.6	ng/ul	1155000	4	17.045	4155040	20.0
9,10-Anthracene...	18.460	3.9	ng/ul	805950	4	17.045	4155040	20.0
di-p-Tolylacety...	18.850	5.6	ng/ul	1166440	4	17.045	4155040	20.0
Cyclopenta(def)...	18.990	6.5	ng/ul	1356470	4	17.045	4155040	20.0
Pyrene, 1-methyl-	19.800	2.8	ng/ul	1981120	5	21.251	14306200	20.0
Fluoranthene, 2...	19.970	3.4	ng/ul	2439890	5	21.251	14306200	20.0
Pyrene, 2-methyl-	20.130	2.0	ng/ul	1457530	5	21.251	14306200	20.0
Cyclopenta[cd]p...	20.970	2.9	ng/ul	2052490	5	21.251	14306200	20.0
11H-Benzo[a]flu...	21.030	3.4	ng/ul	2392850	5	21.251	14306200	20.0
Cyclopenta(cd)p...	21.400	2.3	ng/ul	1637220	5	21.251	14306200	20.0
Benzo[e]pyrene	22.970	11.4	ng/ul	1661420	6	23.468	2905630	20.0