LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\
Data File : BM023103.D
Acq On : 10 Oct 2019 04:06
Operator : JU
Sample : K5177-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEPA3

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_M\METHODS\SOM-EPA-BM092719MA.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.251	43	45	56	rVB	28863	45714	0.59%	0.061%
2	3.769	129	133	140	rVB	20171	29068	0.37%	0.039%
3	3.981	165	169	177	rVB	27062	36445	0.47%	0.049%
4	4.898	321	325	335	rVB	19901	36356	0.47%	0.049%
5	6.939	664	672	687	rVB2	433447	809208	10.37%	1.088%
6	7.104	694	700	715	rBV	355476	617481	7.92%	0.830%
7	7.304	727	734	745	rVB	499533	806119	10.33%	1.084%
8	7.769	806	813	822	rBV	698926	1090098	13.97%	1.466%
9	8.475	925	933	940	rBV	447726	745754	9.56%	1.003%
10	8.922	1002	1009	1018	rBV	430143	710931	9.11%	0.956%
11	9.639	1125	1131	1138	rBV	362560	587563	7.53%	0.790%
12	9.975	1182	1188	1195	rBV5	20649	38143	0.49%	0.051%
13	10.180	1214	1223	1232	rBV	550659	931820	11.94%	1.253%
14	10.557	1279	1287	1293	rBV	910987	1531731	19.64%	2.059%
15	10.604	1293	1295	1301	rVB	23933	32967	0.42%	0.044%
16	10.692	1303	1310	1326	rBV	198755	432806	5.55%	0.582%
17	12.227	1562	1571	1578	rVV2	39146	73921	0.95%	0.099%
18	12.439	1602	1607	1612	rBV	24263	38068	0.49%	0.051%
19	13.239	1739	1743	1748	rVB3	22187	30366	0.39%	0.041%
20	13.586	1794	1802	1806	rBV3	15989	36490	0.47%	0.049%
21	13.639	1806	1811	1816	rBV	151396	231291	2.96%	0.311%
22	13.680	1816	1818	1822	rVV3	34672	40931	0.52%	0.055%
23	13.733	1822	1827	1831	rVV2	40057	71430	0.92%	0.096%
24	13.815	1835	1841	1845	rVV	965500	1318616	16.90%	1.773%
25	13.862	1845	1849	1854	rVV	392205	511798	6.56%	0.688%
26	13.962	1859	1866	1869	rBV4	18561	30730	0.39%	0.041%
27	14.098	1878	1889	1907	rBV	1131168	1850428	23.72%	2.488%
28	14.257	1910	1916	1921	rVB6	17777	28616	0.37%	0.038%
29	14.315	1921	1926	1930	rBV2	21588	28644	0.37%	0.039%
30	14.404	1932	1941	1946	rBV	1311128	1978724	25.36%	2.660%
31	14.468	1950	1952	1961	rVB	65170	88860	1.14%	0.119%
32	14.551	1961	1966	1970	rBV	45060	61086	0.78%	0.082%
33	14.604	1970	1975	1978	rBV	244526	374897	4.81%	0.504%
34	14.657	1978	1984	1997	rVV	4989483	7801006	100.00%	10.489%

LSC Area Percent Report

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Operator : JU
Sample : K5177-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEPA3

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_M\METHODS\SOM-EPA-BM092719MA.M
Title : SVOA CALIBRATION

35	14.751	1997	2000	2005	rVV	49298	87019	1.12%	0.117%
36	14.809	2005	2010	2016	rVB3	56422	122364	1.57%	0.165%
37	14.880	2018	2022	2028	rVB	27013	41739	0.54%	0.056%
38	15.027	2039	2047	2051	rBV3	22631	50610	0.65%	0.068%
39	15.121	2059	2063	2070	rVB5	19705	33551	0.43%	0.045%
40	15.198	2070	2076	2078	rBV4	23188	42709	0.55%	0.057%
41	15.233	2078	2082	2086	rBV3	17681	29412	0.38%	0.040%
42	15.398	2100	2110	2116	rVV	1480525	2256158	28.92%	3.033%
43	15.451	2116	2119	2124	rVV2	70563	93275	1.20%	0.125%
44	15.515	2124	2130	2137	rVV	277352	402400	5.16%	0.541%
45	15.574	2137	2140	2143	rVV3	30597	36953	0.47%	0.050%
46	15.609	2143	2146	2152	rVV4	30332	60694	0.78%	0.082%
47	15.686	2152	2159	2167	rVV3	107553	182938	2.35%	0.246%
48	15.745	2167	2169	2179	rVB4	35647	73161	0.94%	0.098%
49	15.892	2187	2194	2195	rBV5	31200	49897	0.64%	0.067%
50	15.992	2202	2211	2215	rBV2	111054	194517	2.49%	0.262%
51	16.039	2215	2219	2224	rVB2	41856	59627	0.76%	0.080%
52	16.127	2228	2234	2237	rBV5	75044	134690	1.73%	0.181%
53	16.398	2275	2280	2283	rBV	67040	96906	1.24%	0.130%
54	16.433	2283	2286	2294	rVV2	84475	180274	2.31%	0.242%
55	16.498	2294	2297	2301	rVV4	66427	98769	1.27%	0.133%
56	16.551	2301	2306	2311	rVB2	80602	127278	1.63%	0.171%
57	16.680	2326	2328	2332	rVV3	23956	43203	0.55%	0.058%
58	16.751	2332	2340	2344	rVV3	87142	193243	2.48%	0.260%
59	16.798	2345	2348	2356	rVB3	48077	88592	1.14%	0.119%
60	16.915	2366	2368	2372	rVB2	40288	45752	0.59%	0.062%
61	16.968	2372	2377	2383	rVB2	111472	164378	2.11%	0.221%
62	17.056	2385	2392	2397	rVB	94491	151276	1.94%	0.203%
63	17.145	2401	2407	2411	rBV2	1426438	2127314	27.27%	2.860%
64	17.186	2411	2414	2419	rVV	1061207	1409244	18.06%	1.895%
65	17.245	2419	2424	2428	rVV	1560983	2239607	28.71%	3.011%
66	17.280	2428	2430	2434	rVB	231860	247943	3.18%	0.333%
67	17.333	2435	2439	2446	rBV4	57377	118831	1.52%	0.160%
68	17.545	2472	2475	2479	rBV	62780	70204	0.90%	0.094%
69	17.727	2503	2506	2512	rVB2	87349	121316	1.56%	0.163%
70	17.862	2526	2529	2536	rVB3	60205	97115	1.24%	0.131%
71	17.986	2546	2550	2552	rBV2	102924	139255	1.79%	0.187%

LSC Area Percent Report

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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEPA3

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_M\METHODS\SOM-EPA-BM092719MA.M
Title : SVOA CALIBRATION

72	18.021	2552	2556	2558	rBV	228798	323795	4.15%	0.435%
73	18.050	2558	2561	2562	rBV	239108	260506	3.34%	0.350%
74	18.115	2569	2572	2575	rBV	129272	140242	1.80%	0.189%
75	18.145	2575	2577	2581	rVB	90834	106291	1.36%	0.143%
76	18.215	2583	2589	2593	rBV2	443128	803665	10.30%	1.081%
77	18.250	2593	2595	2603	rVB	202104	283543	3.63%	0.381%
78	18.521	2638	2641	2644	rVV	133879	142956	1.83%	0.192%
79	18.562	2644	2648	2654	rVB2	178226	270151	3.46%	0.363%
80	18.768	2681	2683	2687	rVB	108020	106721	1.37%	0.143%
81	18.939	2709	2712	2716	rBV	229182	318182	4.08%	0.428%
82	18.986	2717	2720	2721	rBV	94885	114073	1.46%	0.153%
83	19.080	2732	2736	2743	rVB3	195291	328443	4.21%	0.442%
84	19.203	2752	2757	2763	rBV	2594809	3263577	41.84%	4.388%
85	19.539	2809	2814	2816	rBV2	2286280	3125960	40.07%	4.203%
86	19.568	2816	2819	2827	rVB	2642297	3410311	43.72%	4.585%
87	20.062	2900	2903	2906	rVB	520688	596531	7.65%	0.802%
88	20.162	2917	2920	2924	rVB	333240	391198	5.01%	0.526%
89	20.221	2927	2930	2934	rVB	303447	391424	5.02%	0.526%
90	21.044	3067	3070	3076	rVB3	1197174	1522335	19.51%	2.047%
91	21.244	3101	3104	3108	rVB	1860645	2071439	26.55%	2.785%
92	21.321	3112	3117	3121	rVV2	2398551	4906123	62.89%	6.596%
93	21.362	3121	3124	3135	rVB	1733509	2292004	29.38%	3.082%
94	21.486	3142	3145	3151	rBV3	508660	827364	10.61%	1.112%
95	21.933	3217	3221	3227	rVB3	1072717	1743971	22.36%	2.345%
96	22.903	3381	3386	3390	rBV2	1853699	3569344	45.75%	4.799%
97	23.385	3464	3468	3472	rBV	779514	1285455	16.48%	1.728%
98	23.438	3473	3477	3480	rVV	1262766	2303557	29.53%	3.097%
99	23.480	3481	3484	3492	rVB	1498586	2713252	34.78%	3.648%
100	23.579	3496	3501	3506	rVB	1141028	1972812	25.29%	2.653%

Sum of corrected areas: 74375545

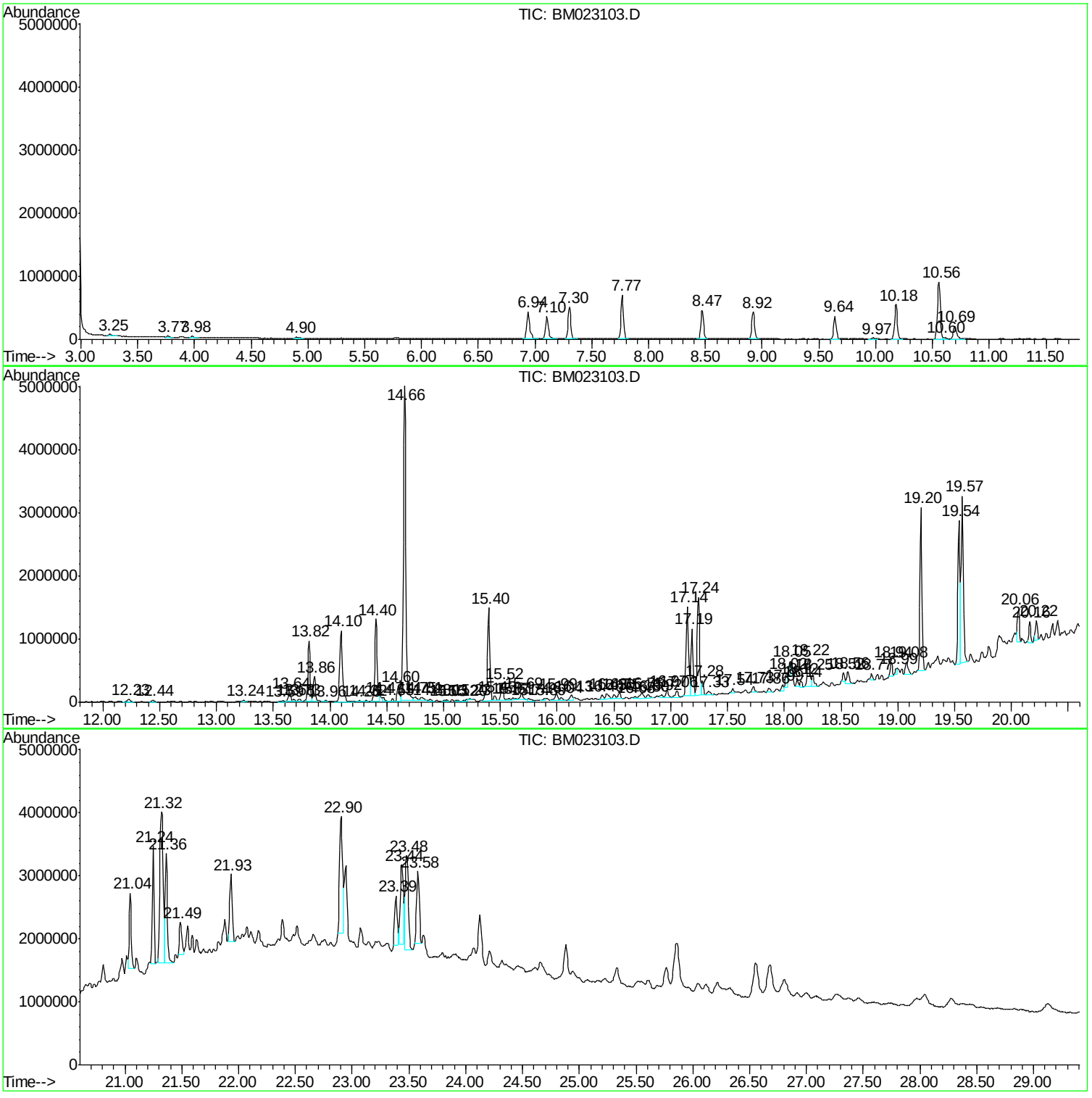
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\
Data File : BM023103.D
Acq On : 10 Oct 2019 04:06
Operator : JU
Sample : K5177-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEPA3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

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



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Quant Title : SVOA CALIBRATION

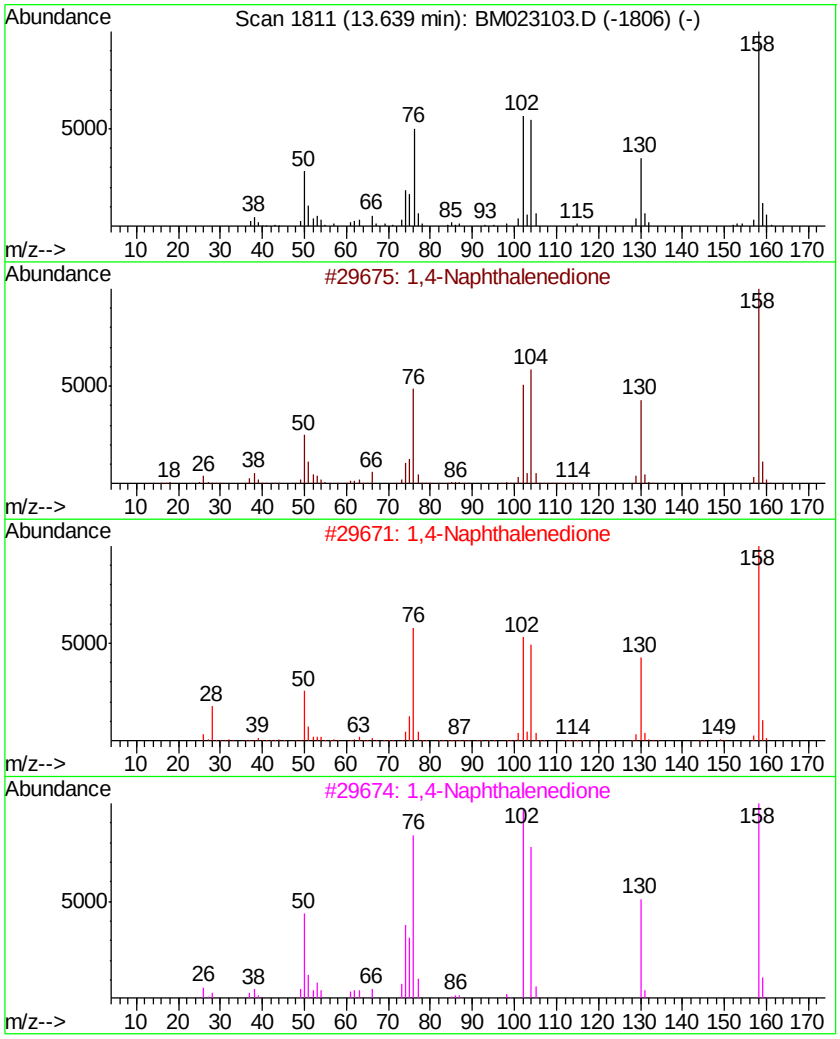
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

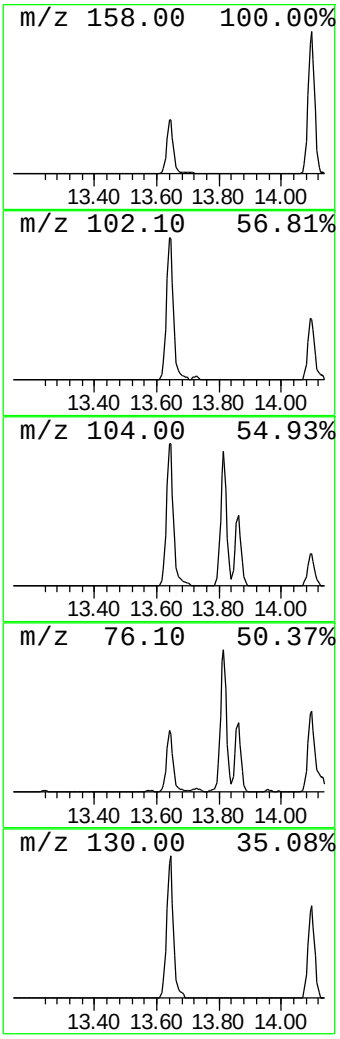
****

Peak Number 1 1,4-Naphthalenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.64	2.34 ng/ul	231291	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Naphthalenedione	158	C10H6O2	000130-15-4	97
2	1,4-Naphthalenedione	158	C10H6O2	000130-15-4	96
3	1,4-Naphthalenedione	158	C10H6O2	000130-15-4	94
4	Quinoxaline-2-carboxaldehyde	158	C9H6N2O	001593-08-4	59
5	2,3-Naphthalenediamine	158	C10H10N2	000771-97-1	38





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Acq On : 10 Oct 2019 04:06
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Sample : K5177-14
Misc :
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Instrument : BNA_M
ClientSampleId : BEPA3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

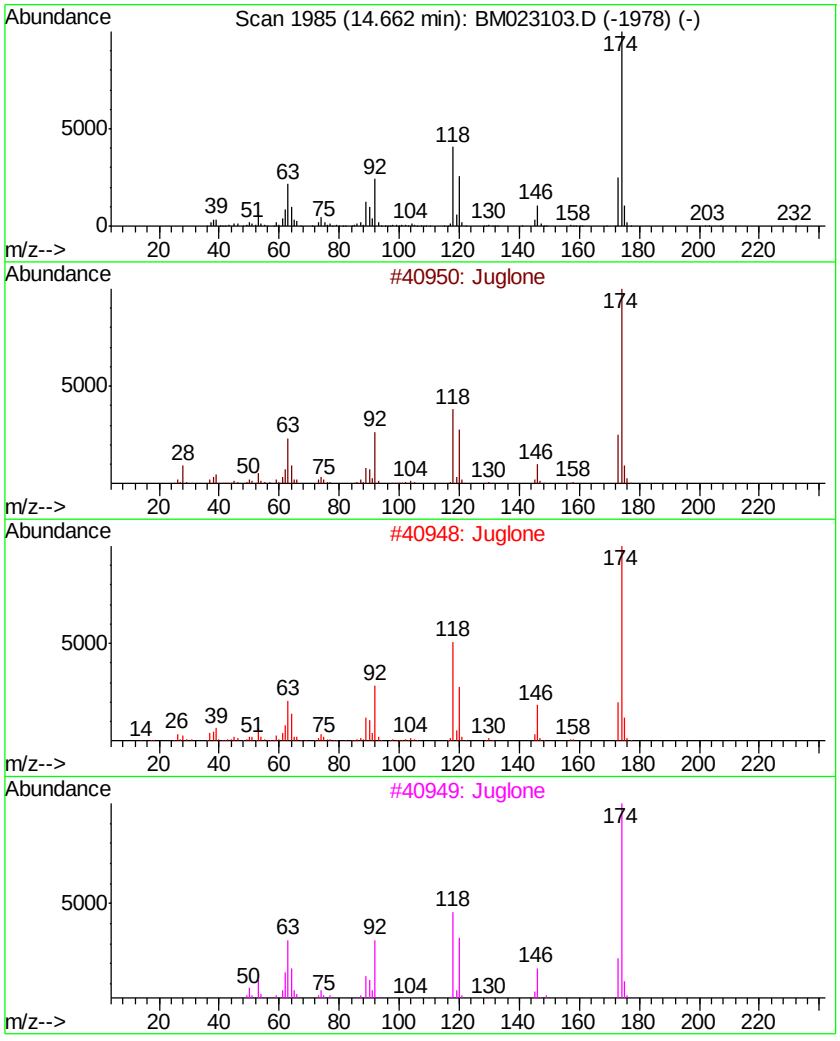
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

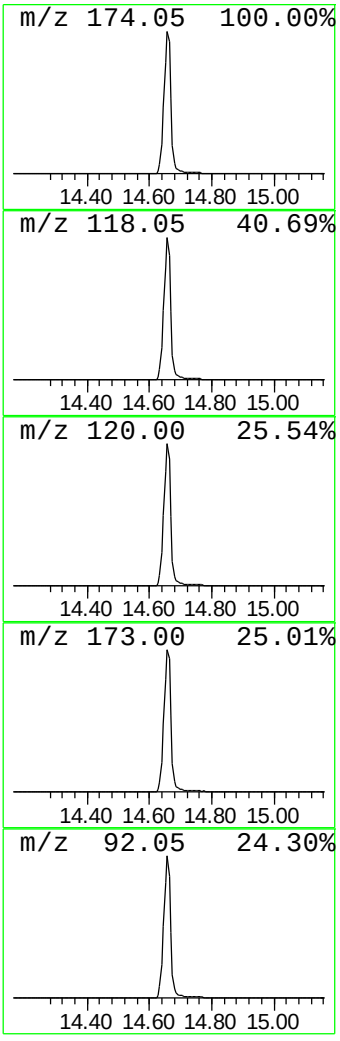
****

Peak Number 2 Juglone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.66	78.85 ng/ul	7801010	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Juglone	174	C10H6O3	000481-39-0	98
2	Juglone	174	C10H6O3	000481-39-0	94
3	Juglone	174	C10H6O3	000481-39-0	64
4	8-Quinolinol, 5-nitroso-	174	C9H6N2O2	003565-26-2	46
5	Benzene, 1,3-diisocyanato-2-methyl-	174	C9H6N2O2	000091-08-7	38





Library Search Compound Report

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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

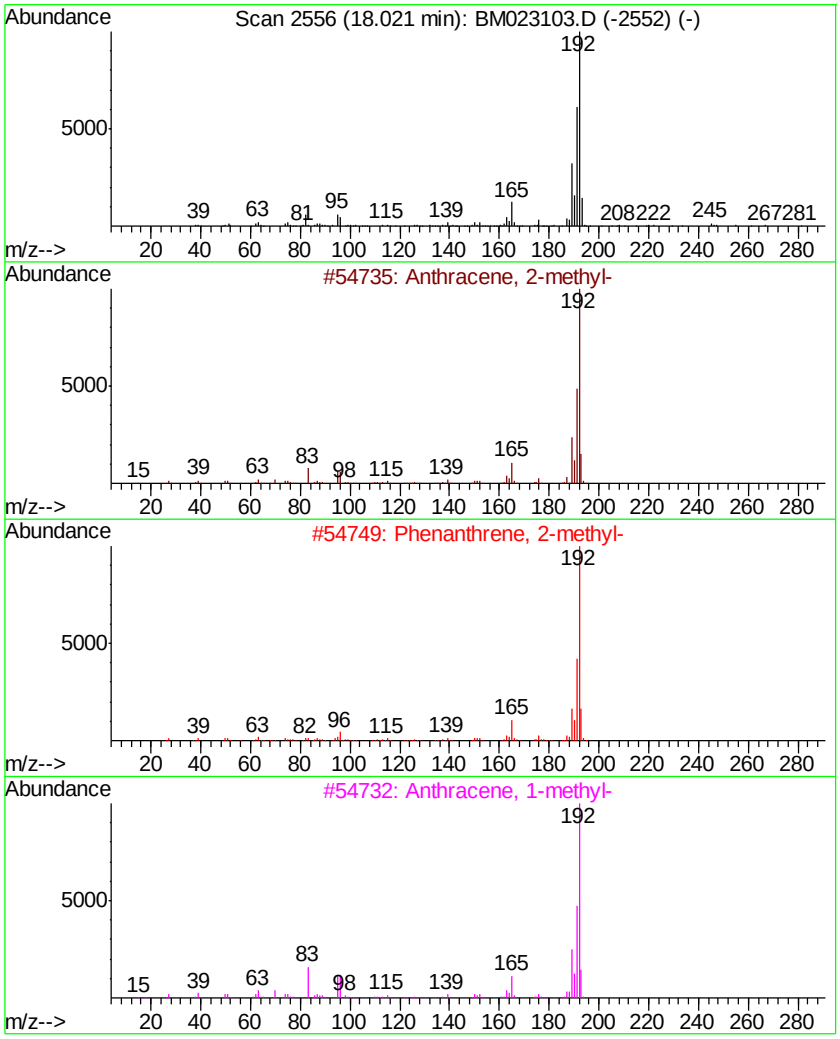
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

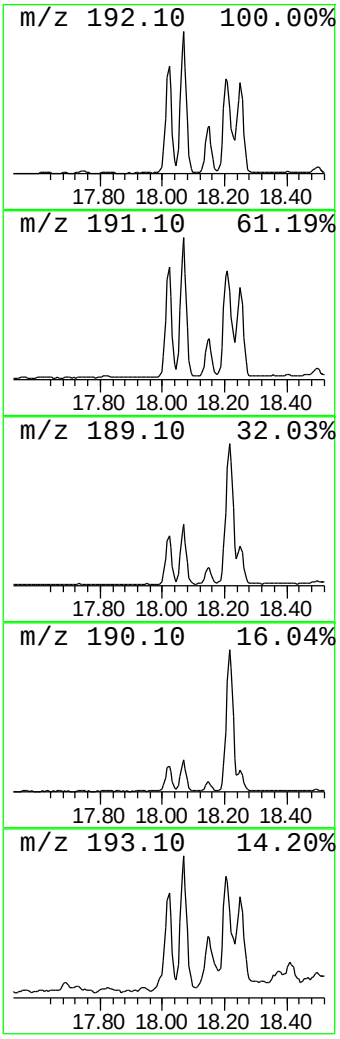
****

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	3.04 ng/ul	323795	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





Library Search Compound Report

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Instrument : BNA_M
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

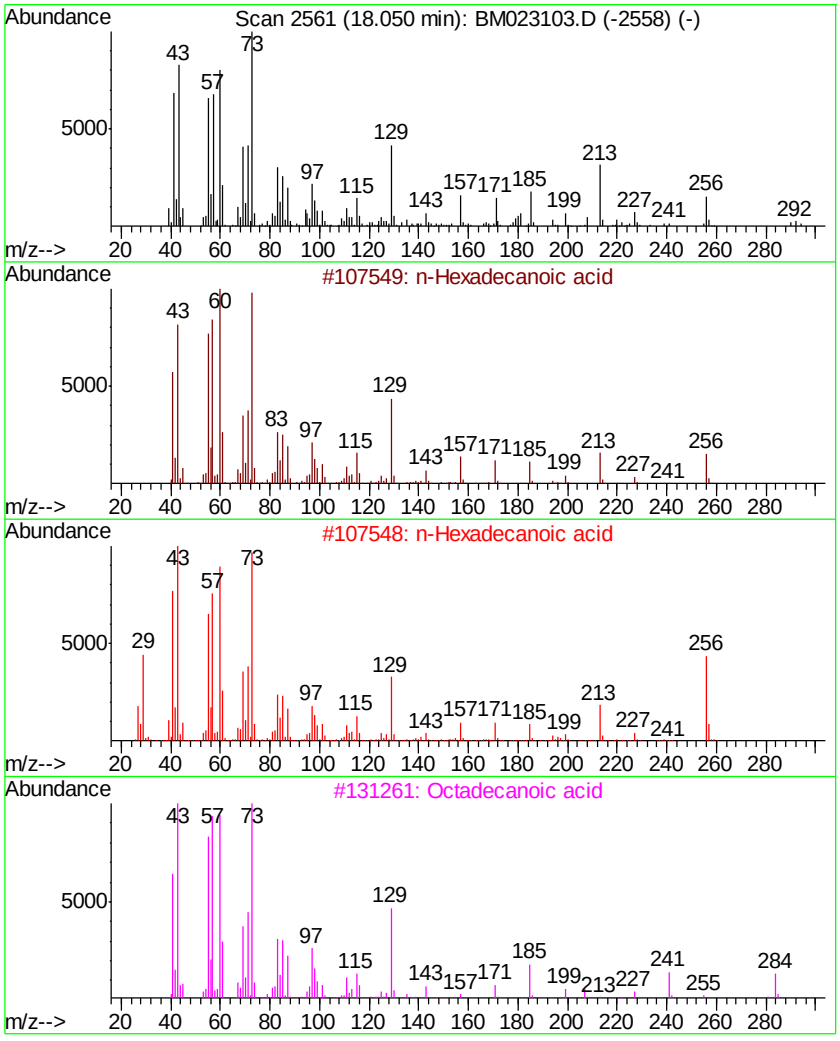
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

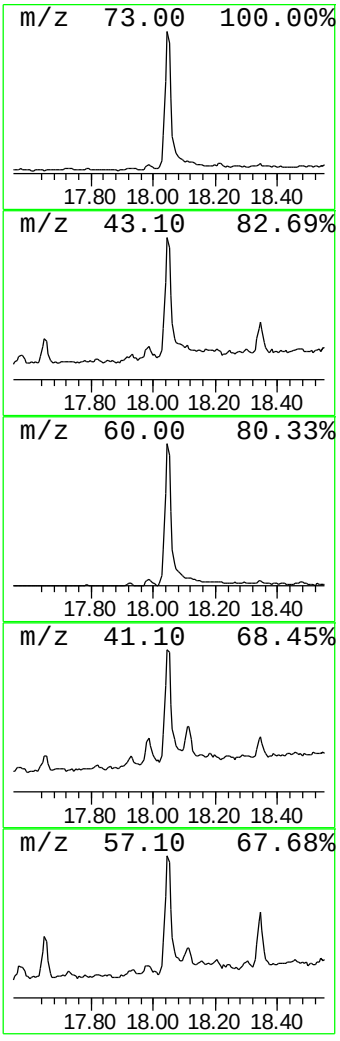
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	2.45 ng/ul	260506	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
3	Octadecanoic acid	284	C18H36O2	000057-11-4	93
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
5	Undecanoic acid	186	C11H22O2	000112-37-8	80





Library Search Compound Report

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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEPA3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

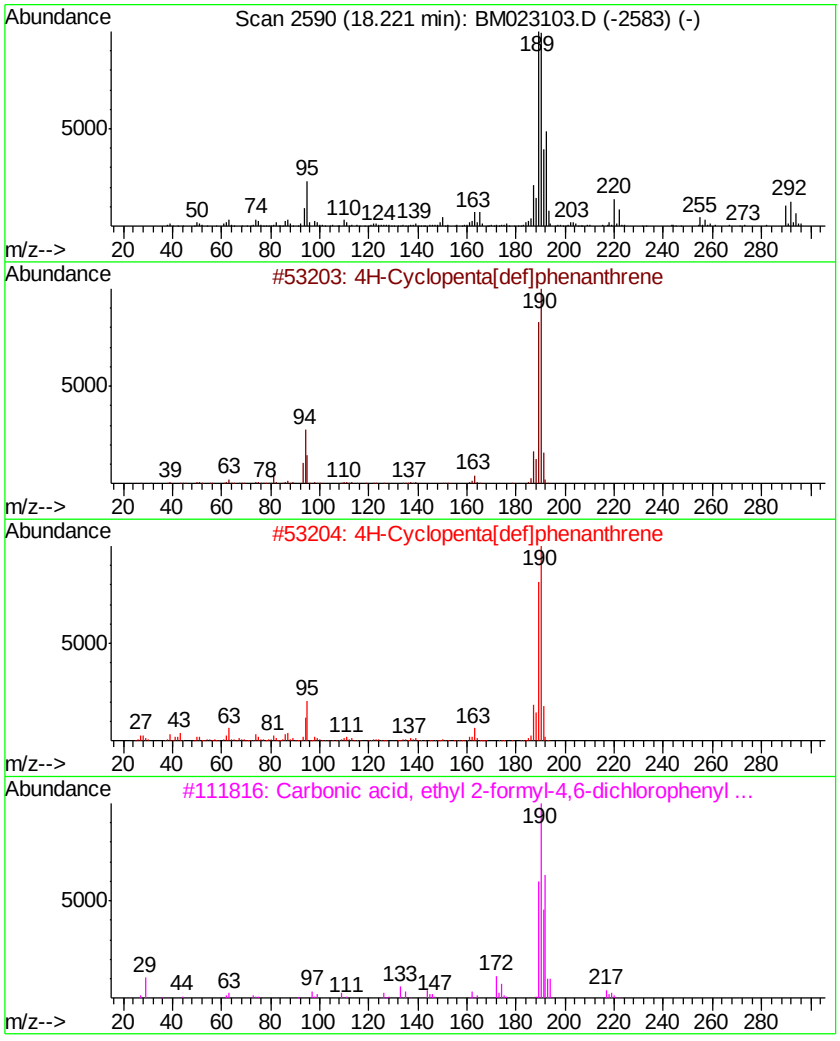
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

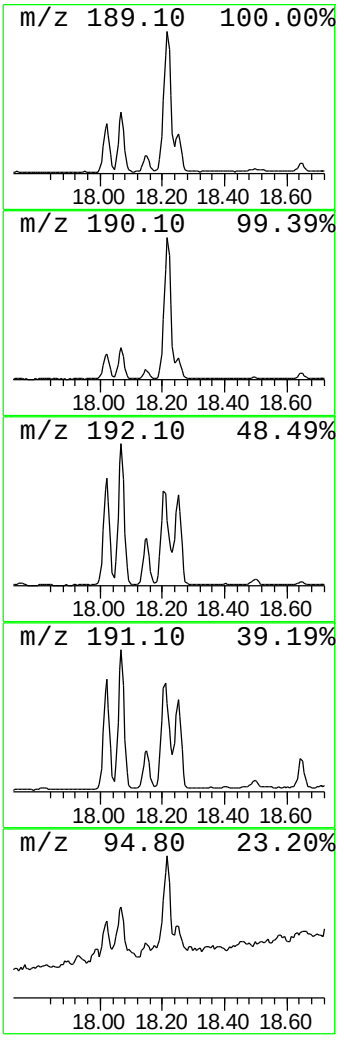
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.22	7.56 ng/ul	803665	Phenanthrene-d10	17.14

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	53
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	47
4	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	47
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\
Data File : BM023103.D
Acq On : 10 Oct 2019 04:06
Operator : JU
Sample : K5177-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEPA3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

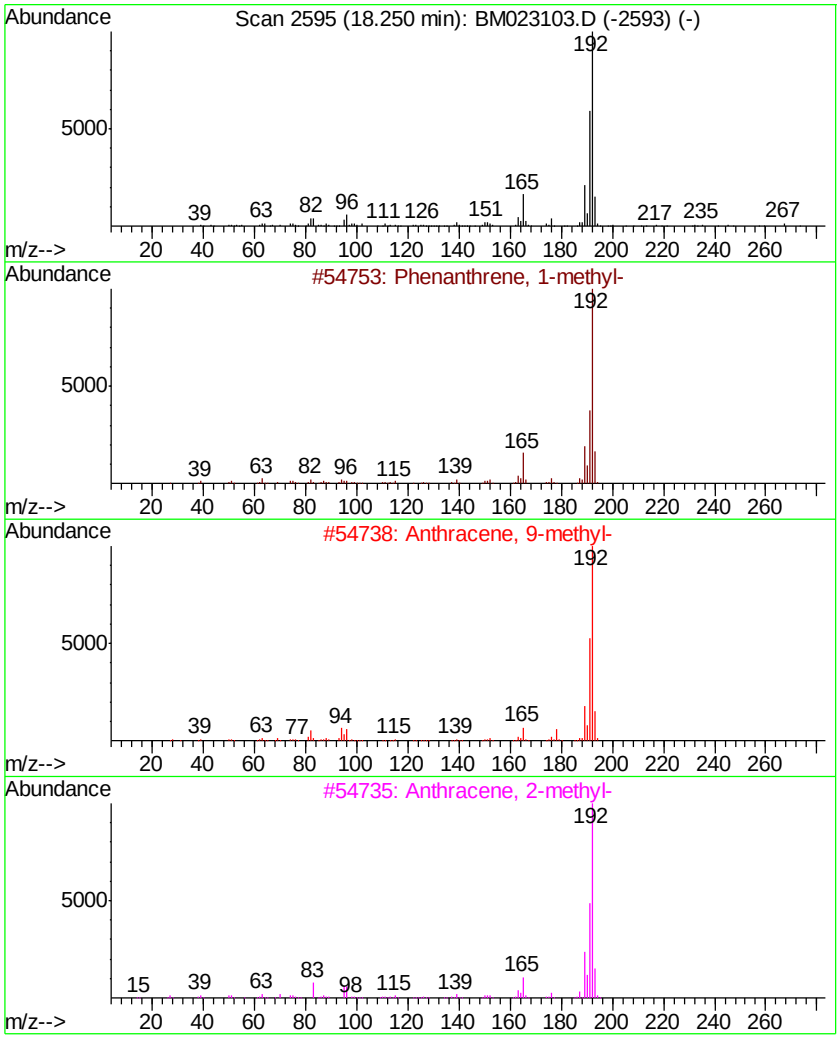
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

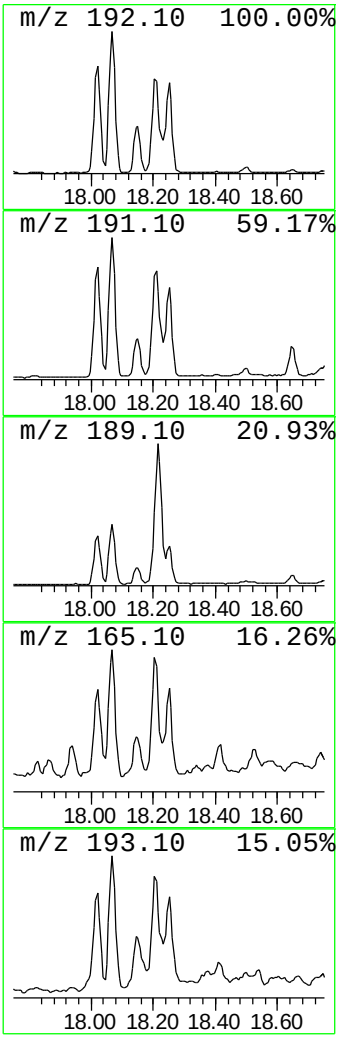
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	2.67 ng/ul	283543	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	91





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Sample : K5177-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEPA3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

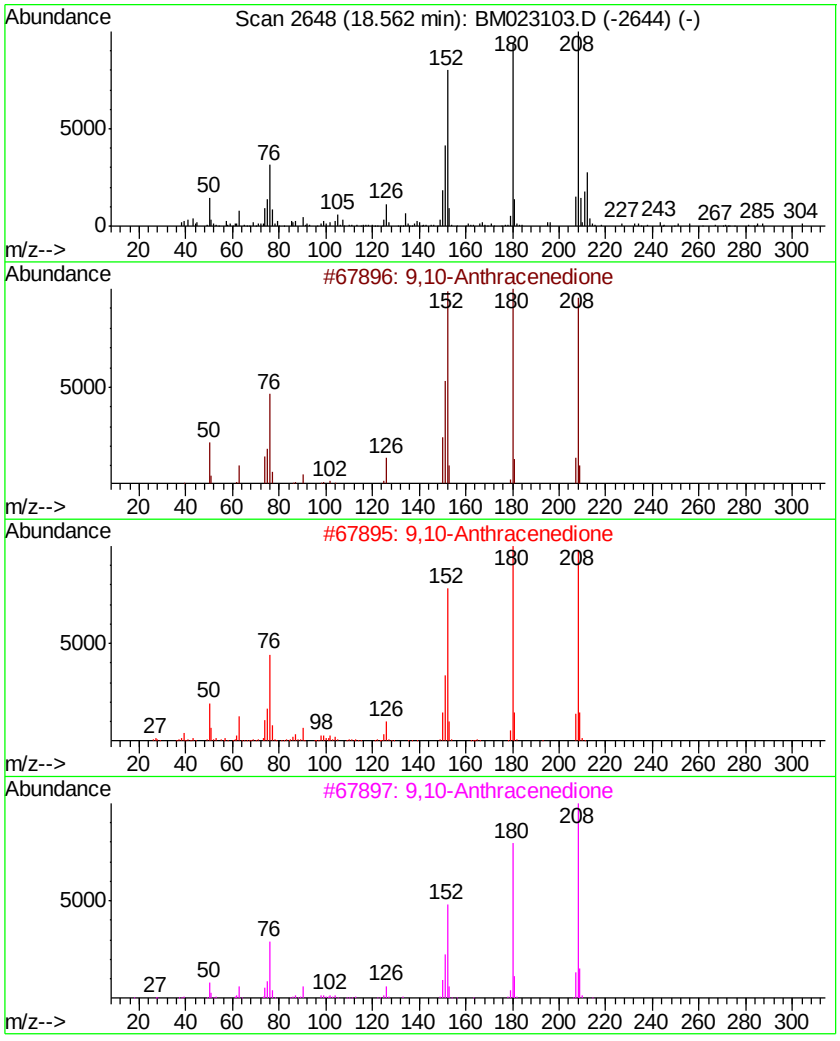
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

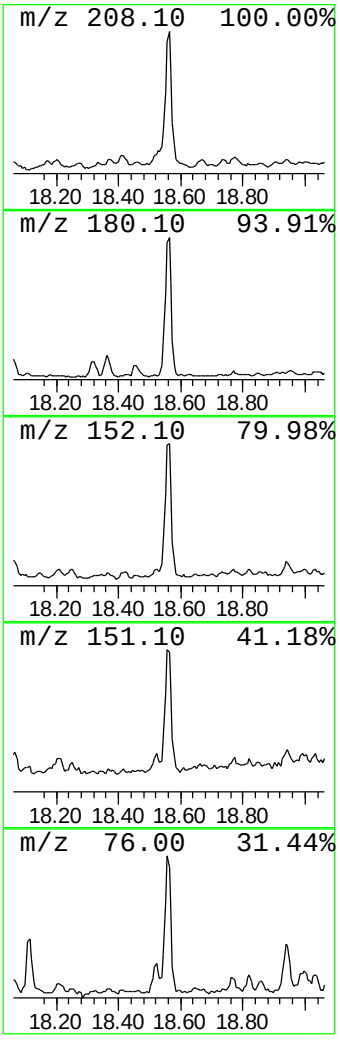
****

Peak Number 7 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	2.54 ng/ul	270151	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53





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Instrument : BNA_M
ClientSampleId : BEPA3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

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

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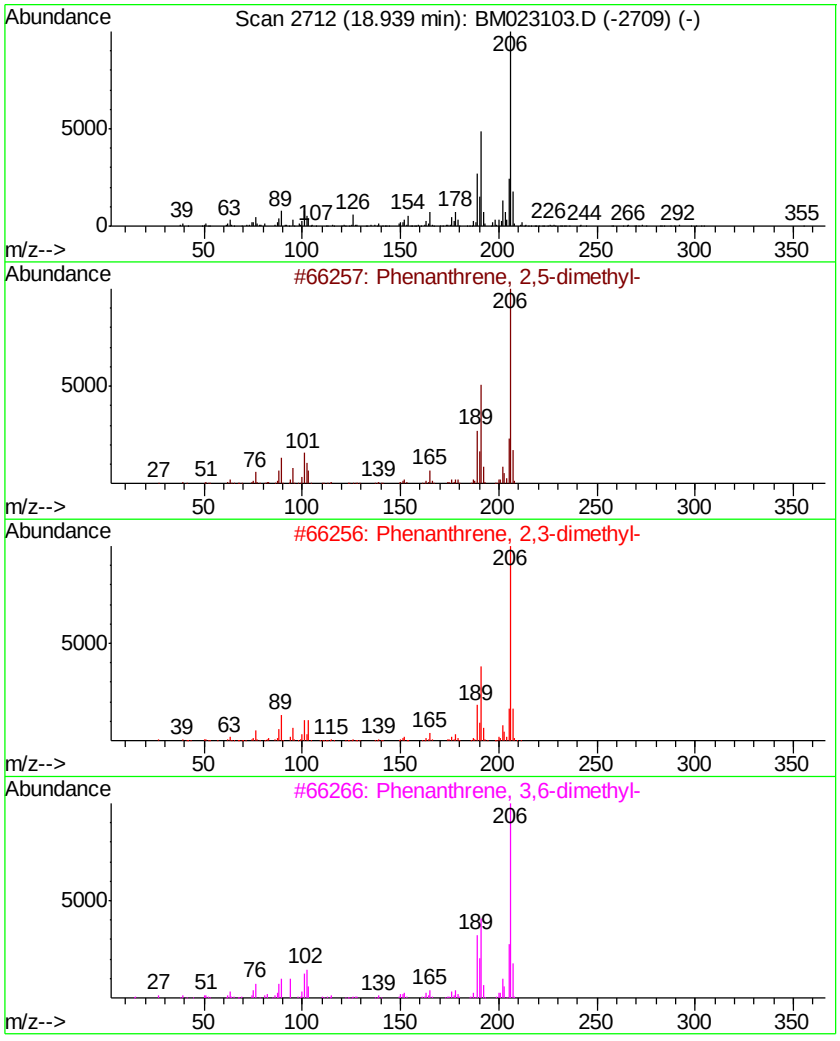
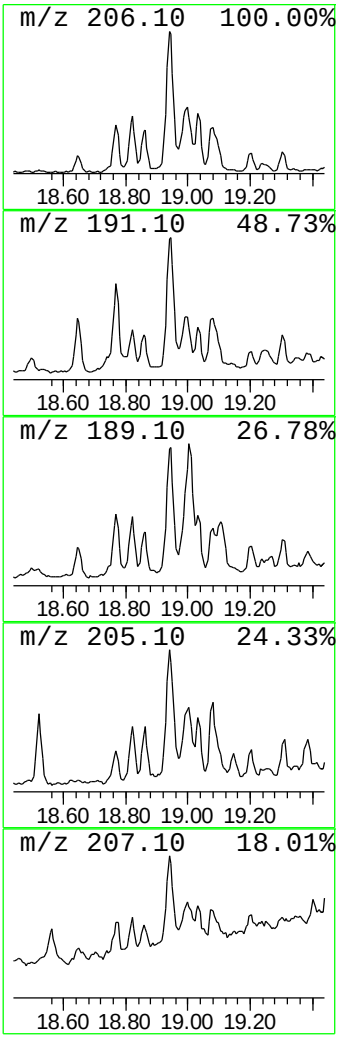
Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	2.99 ng/ul	318182	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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Acq On : 10 Oct 2019 04:06
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ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEPA3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

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

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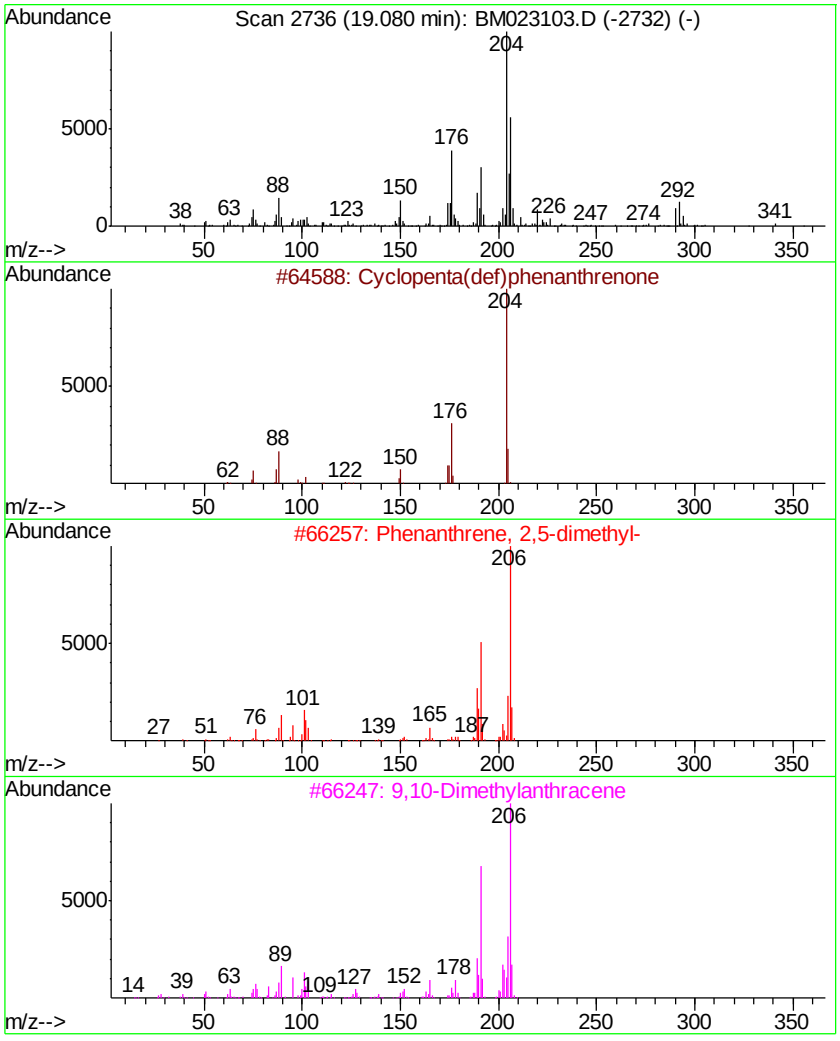
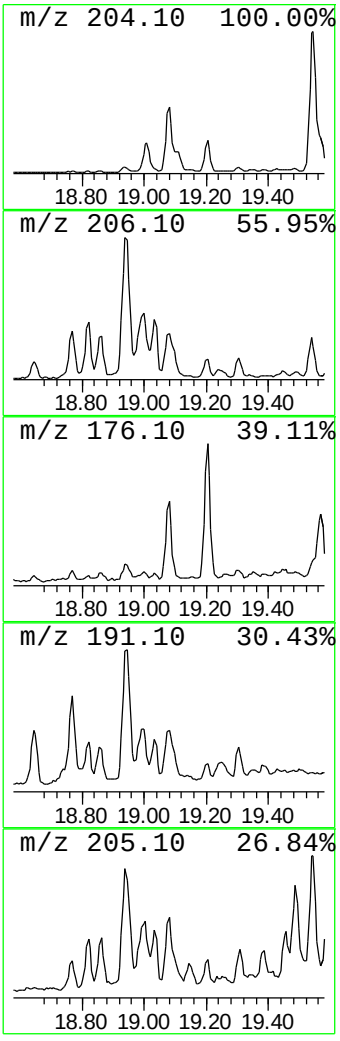
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.08	3.09 ng/ul	328443	Phenanthrene-d10	17.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	55
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	47
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	35
4	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	30
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	25





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Acq On : 10 Oct 2019 04:06
Operator : JU
Sample : K5177-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEPA3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

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

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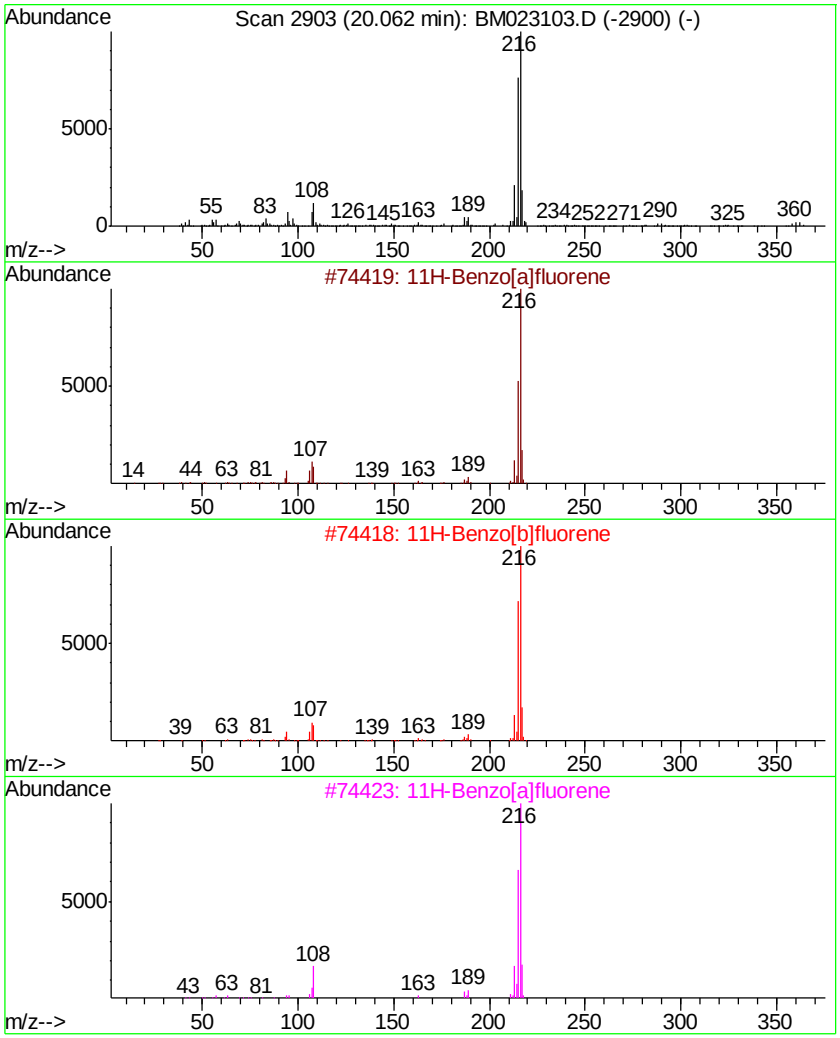
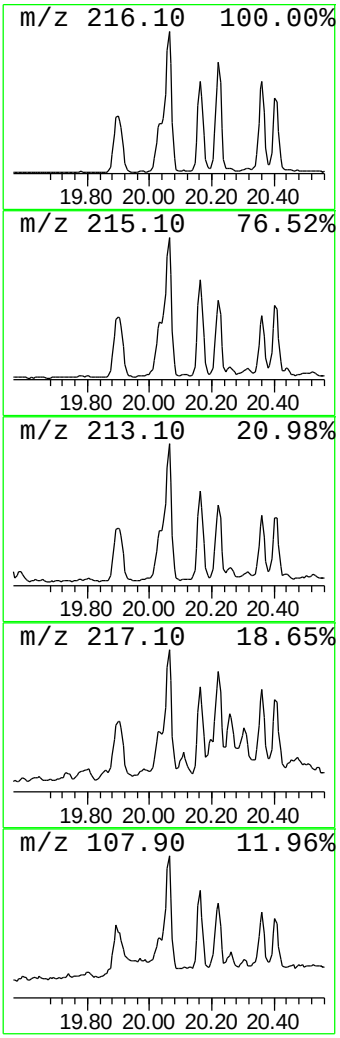
Peak Number 10 11H-Benzo[a]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.06	2.43 ng/ul	596531	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





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Acq On : 10 Oct 2019 04:06
Operator : JU
Sample : K5177-14
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ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEPA3

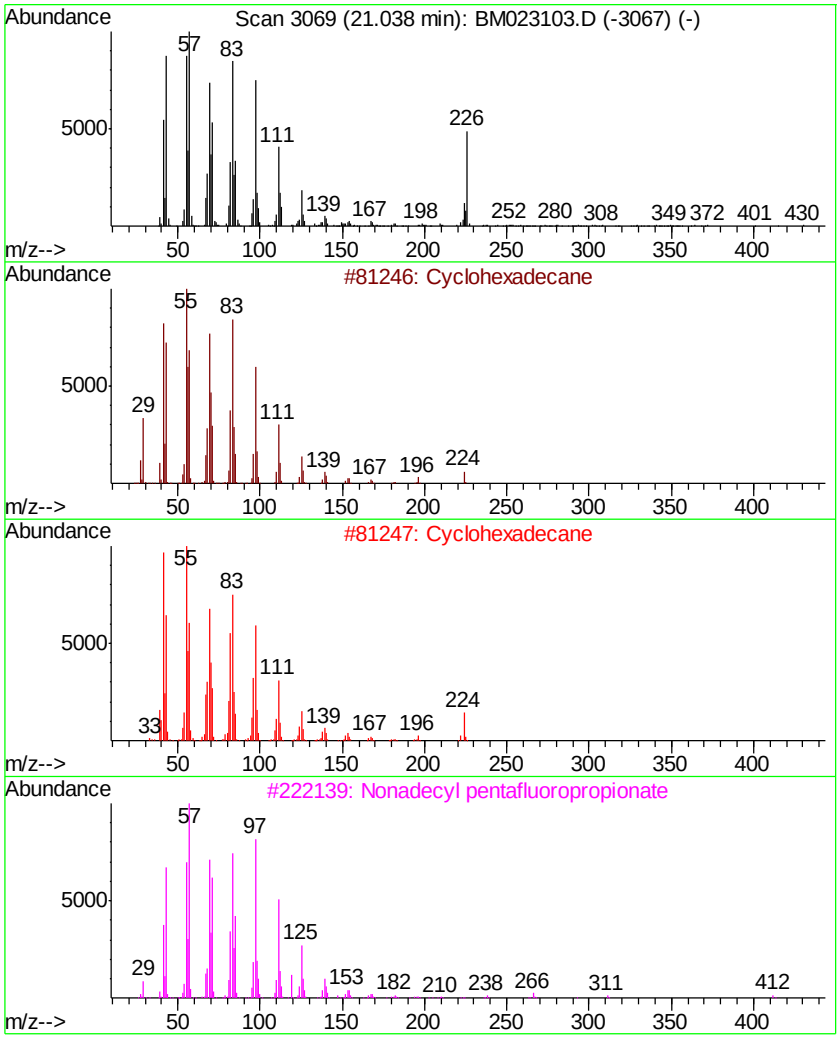
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

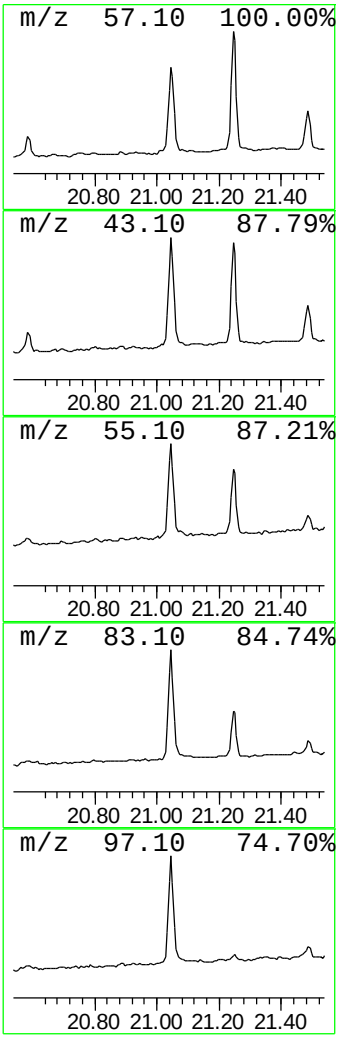
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Cyclic21.04 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.04	6.21 ng/ul	1522340	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	91
2	Cyclohexadecane	224	C16H32	000295-65-8	78
3	Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	70
4	Pentafluoropropionic acid, octad...	416	C21H37F5O2	959261-25-7	70
5	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	70





Library Search Compound Report

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Sample : K5177-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEPA3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

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

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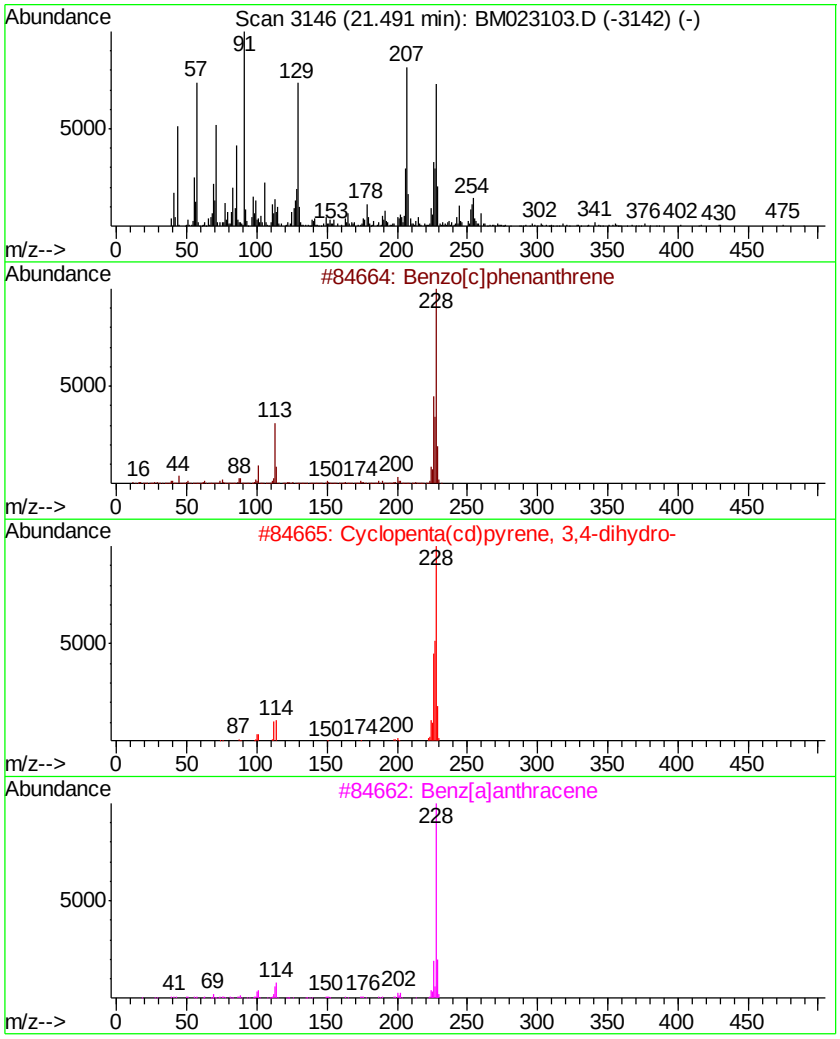
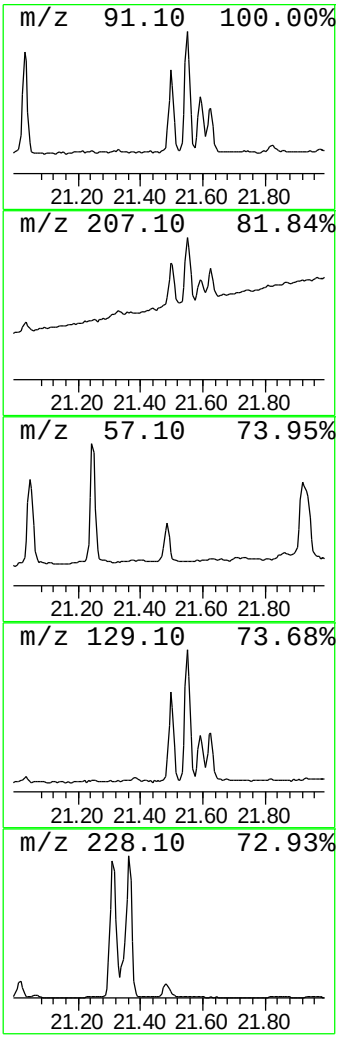
Peak Number 12 Benzo[c]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.49	3.37 ng/ul	827364	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	60
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	46
3	Benz[a]anthracene	228	C18H12	000056-55-3	30
4	Triphenylene	228	C18H12	000217-59-4	30
5	Chrysene	228	C18H12	000218-01-9	27





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Operator : JU
Sample : K5177-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEPA3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

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

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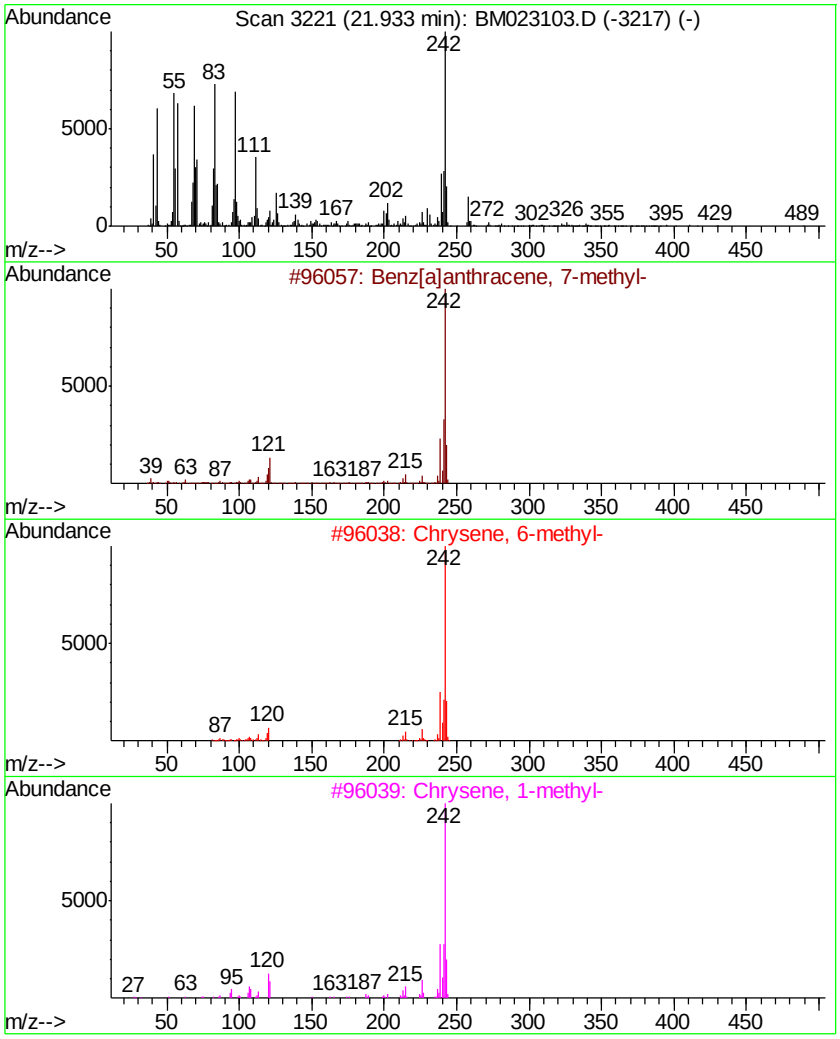
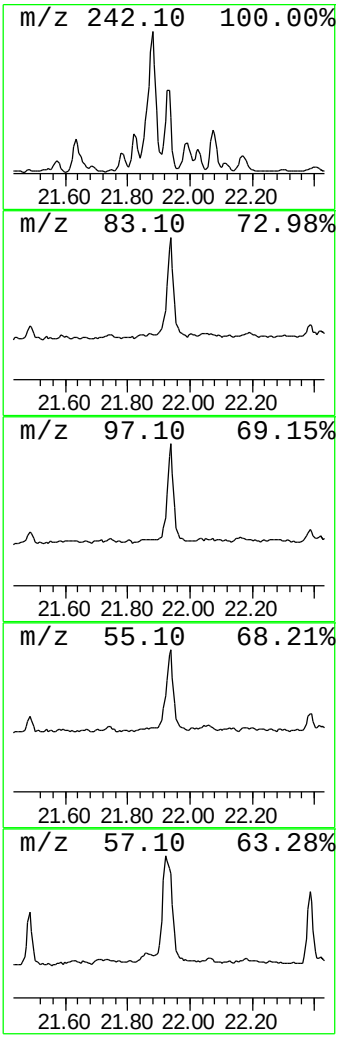
Peak Number 13 Benz[a]anthracene, 7-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.93	7.11 ng/ul	1743970	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	86
2	Chrysene, 6-methyl-	242	C19H14	001705-85-7	86
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	84
4	2-Methylchrysene	242	C19H14	003351-32-4	84
5	Benz[a]anthracene, 12-methyl-	242	C19H14	002422-79-9	84





Library Search Compound Report

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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEPA3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION

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

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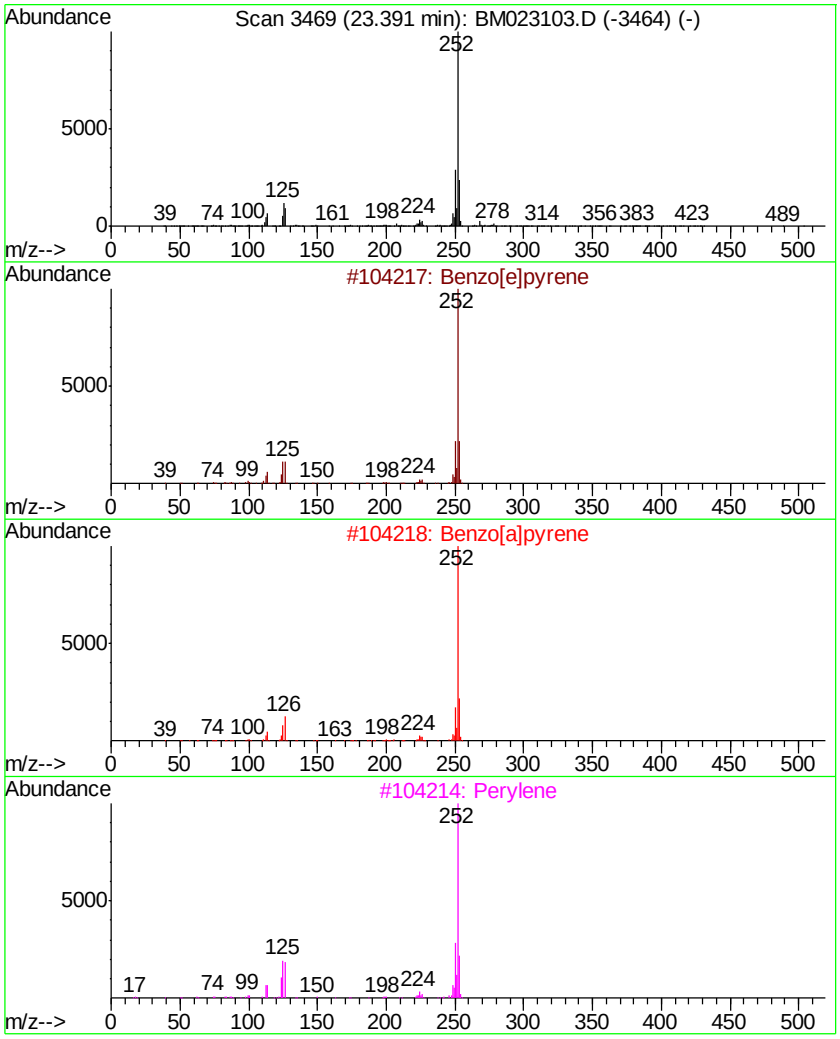
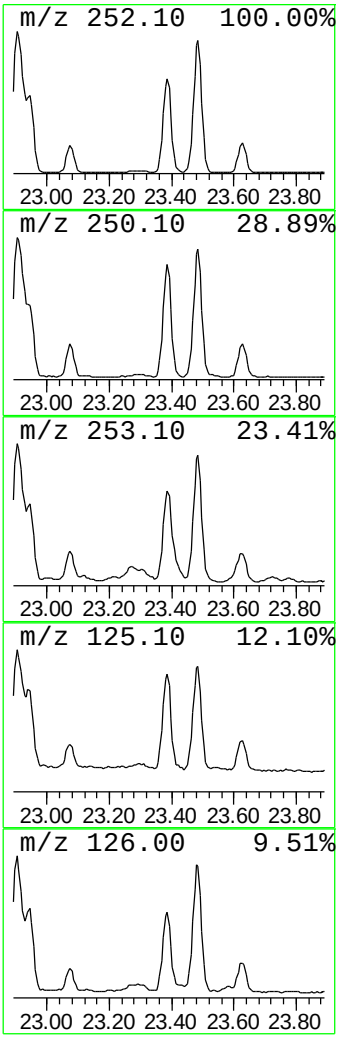
Peak Number 14 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.39	13.03 ng/ul	1285460	Perylene-d12	23.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	98
3	Perylene	252	C20H12	000198-55-0	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





Tentatively Identified Compound (LSC) summary

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Data File : BM023103.D
Acq On : 10 Oct 2019 04:06
Operator : JU
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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
1,4-Naphthalenedione	13.64	2.3	ng/ul	231291	3	14.40	1978720	20.0
Juglone	14.66	78.8	ng/ul	7801010	3	14.40	1978720	20.0
Anthracene, 2-met...	18.02	3.0	ng/ul	323795	4	17.14	2127310	20.0
n-Hexadecanoic acid	18.05	2.5	ng/ul	260506	4	17.14	2127310	20.0
4H-Cyclopenta[def...	18.22	7.6	ng/ul	803665	4	17.14	2127310	20.0
Phenanthrene, 1-m...	18.25	2.7	ng/ul	283543	4	17.14	2127310	20.0
9,10-Anthracenedione	18.56	2.5	ng/ul	270151	4	17.14	2127310	20.0
Phenanthrene, 2,5...	18.94	3.0	ng/ul	318182	4	17.14	2127310	20.0
Cyclopenta(def)ph...	19.08	3.1	ng/ul	328443	4	17.14	2127310	20.0
11H-Benzo[a]fluorene	20.06	2.4	ng/ul	596531	5	21.33	4906120	20.0
(DEL) Alkane: Cyc...	21.04	6.2	ng/ul	1522340	5	21.33	4906120	20.0
Benzo[c]phenanthrene	21.49	3.4	ng/ul	827364	5	21.33	4906120	20.0
Benz[a]anthracene...	21.93	7.1	ng/ul	1743970	5	21.33	4906120	20.0
Benzo[e]pyrene	23.39	13.0	ng/ul	1285460	6	23.58	1972810	20.0