LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017334.D
Acq On : 25 Oct 2018 01:21
Operator : MJ/SJ
Sample : J5598-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD9

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-BM102418MA.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	6.834	644	654	676	rBV2	953990	2064098	5.25%	0.587%
2	6.999	676	682	693	rBV	765815	1166406	2.97%	0.332%
3	7.193	705	715	725	rBV	998012	1601162	4.07%	0.456%
4	7.651	784	793	801	rBV	1228874	1980426	5.04%	0.564%
5	8.187	876	884	893	rBV	147374	274990	0.70%	0.078%
6	8.363	907	914	921	rBV	1087700	1799087	4.58%	0.512%
7	8.804	982	989	997	rBV	927505	1537108	3.91%	0.438%
8	9.522	1103	1111	1123	rBV	800590	1351485	3.44%	0.385%
9	10.057	1194	1202	1213	rBV	1242859	2119701	5.39%	0.603%
10	10.428	1257	1265	1270	rBV	1867111	3174339	8.08%	0.904%
11	10.475	1270	1273	1280	rVB	814002	1302050	3.31%	0.371%
12	10.575	1280	1290	1306	rBV	890668	1672200	4.26%	0.476%
13	11.963	1517	1526	1532	rBV4	148295	323487	0.82%	0.092%
14	12.098	1542	1549	1558	rVB	306531	488939	1.24%	0.139%
15	12.316	1579	1586	1596	rVB	130878	221641	0.56%	0.063%
16	13.122	1717	1723	1734	rBV	131787	224897	0.57%	0.064%
17	13.716	1818	1824	1828	rVV	2221939	3124493	7.95%	0.889%
18	13.763	1828	1832	1838	rVV	544744	812829	2.07%	0.231%
19	13.986	1858	1870	1873	rBV	2705323	4162279	10.59%	1.185%
20	14.298	1912	1923	1930	rBV2	2782586	4333485	11.03%	1.233%
21	14.357	1930	1933	1942	rVB	172253	266853	0.68%	0.076%
22	14.522	1953	1961	1972	rBV	659597	1414128	3.60%	0.402%
23	14.698	1985	1991	2002	rVV	498335	825601	2.10%	0.235%
24	15.292	2086	2092	2098	rBV	3264131	4857799	12.36%	1.383%
25	15.345	2098	2101	2109	rVB3	132390	224343	0.57%	0.064%
26	15.422	2109	2114	2120	rBV	1108648	1471588	3.74%	0.419%
27	15.792	2170	2177	2185	rVB2	113827	251097	0.64%	0.071%
28	16.027	2211	2217	2227	rBV3	328546	641529	1.63%	0.183%
29	16.627	2315	2319	2323	rVV	192489	252339	0.64%	0.072%
30	16.704	2327	2332	2340	rVB	535679	791158	2.01%	0.225%
31	16.868	2356	2360	2369	rVB	214251	338652	0.86%	0.096%
32	17.045	2384	2390	2394	rBV	3449068	5139293	13.08%	1.463%
33	17.092	2394	2398	2402	rVV	2580286	3561501	9.06%	1.014%
34	17.145	2402	2407	2410	rVV2	3700092	5321004	13.54%	1.514%

LSC Area Percent Report

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Acq On : 25 Oct 2018 01:21
Operator : MJ/SJ
Sample : J5598-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD9

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-BM102418MA.M
Title : SVOA CALIBRATION

35	17.180	2410	2413	2419	rVV	2504163	3362015	8.56%	0.957%
36	17.239	2419	2423	2428	rVB2	194186	310428	0.79%	0.088%
37	17.457	2451	2460	2470	rBV2	734460	1500963	3.82%	0.427%
38	17.568	2474	2479	2485	rVV3	183918	378239	0.96%	0.108%
39	17.727	2503	2506	2510	rVB2	166619	210771	0.54%	0.060%
40	17.921	2536	2539	2542	rBV2	197202	229802	0.58%	0.065%
41	17.957	2542	2545	2554	rVB2	1086035	1791388	4.56%	0.510%
42	18.051	2557	2561	2566	rVB	292263	411834	1.05%	0.117%
43	18.121	2567	2573	2577	rBV2	539003	1053886	2.68%	0.300%
44	18.321	2603	2607	2612	rVB	509620	693790	1.77%	0.197%
45	18.427	2622	2625	2629	rVV	264379	320724	0.82%	0.091%
46	18.474	2629	2633	2639	rVB	1208264	1611946	4.10%	0.459%
47	18.768	2679	2683	2687	rBV	206626	258396	0.66%	0.074%
48	18.857	2692	2698	2703	rBV2	470364	1073010	2.73%	0.305%
49	18.910	2704	2707	2711	rVB2	464290	546814	1.39%	0.156%
50	18.992	2716	2721	2727	rBV	1644687	2319884	5.90%	0.660%
51	19.115	2734	2742	2749	rBV	14722994	20503889	52.18%	5.836%
52	19.180	2750	2753	2755	rBV	243146	299148	0.76%	0.085%
53	19.209	2755	2758	2761	rVV	440291	638923	1.63%	0.182%
54	19.262	2761	2767	2771	rVB2	500219	1041904	2.65%	0.297%
55	19.451	2793	2799	2801	rBV2	6416762	9467251	24.09%	2.695%
56	19.480	2801	2804	2812	rVV	15482762	21640877	55.07%	6.160%
57	19.551	2812	2816	2822	rVV2	592168	917833	2.34%	0.261%
58	19.657	2830	2834	2840	rBV	813080	1237593	3.15%	0.352%
59	19.721	2840	2845	2850	rVB	1555157	2167059	5.51%	0.617%
60	19.815	2853	2861	2866	rBV3	1498509	3570229	9.09%	1.016%
61	19.939	2877	2882	2886	rBV4	1587073	3601757	9.17%	1.025%
62	20.074	2902	2905	2908	rVB2	573950	611060	1.56%	0.174%
63	20.133	2908	2915	2919	rBV2	2018455	3647838	9.28%	1.038%
64	20.174	2919	2922	2926	rVB	557083	629754	1.60%	0.179%
65	20.215	2926	2929	2933	rVB	342700	437045	1.11%	0.124%
66	20.274	2935	2939	2942	rBV	1519727	1853113	4.72%	0.527%
67	20.321	2942	2947	2952	rBV2	988301	1652620	4.21%	0.470%
68	20.639	2998	3001	3004	rVB2	469221	495282	1.26%	0.141%
69	20.686	3006	3009	3012	rVV2	384140	479523	1.22%	0.136%
70	20.727	3012	3016	3023	rVV	2968461	4050029	10.31%	1.153%
71	20.886	3037	3043	3047	rBV2	2208299	4097774	10.43%	1.166%

LSC Area Percent Report

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Acq On : 25 Oct 2018 01:21
Operator : MJ/SJ
Sample : J5598-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD9

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-BM102418MA.M
Title : SVOA CALIBRATION

72	20.933	3047	3051	3053	rVV	2395178	3026198	7.70%	0.861%
73	20.968	3053	3057	3062	rVV2	4241249	6318395	16.08%	1.798%
74	21.027	3062	3067	3071	rVB2	1856072	2626857	6.68%	0.748%
75	21.133	3078	3085	3090	rBV2	763478	2225430	5.66%	0.633%
76	21.239	3094	3103	3108	rVV2	12062130	28716694	73.08%	8.174%
77	21.286	3108	3111	3121	rVB	12102435	17608179	44.81%	5.012%
78	21.415	3128	3133	3137	rBV3	1140276	2337360	5.95%	0.665%
79	21.551	3152	3156	3162	rBV2	1646619	2792178	7.11%	0.795%
80	21.603	3162	3165	3169	rBV4	1148605	1628181	4.14%	0.463%
81	21.739	3184	3188	3190	rBV2	784168	1144935	2.91%	0.326%
82	21.792	3194	3197	3201	rVV	2140547	2757935	7.02%	0.785%
83	21.845	3202	3206	3212	rVB3	1878896	3529784	8.98%	1.005%
84	21.915	3215	3218	3225	rVB	778330	1203504	3.06%	0.343%
85	21.986	3226	3230	3233	rBV	1203306	1714106	4.36%	0.488%
86	22.086	3244	3247	3252	rVB	926669	1354695	3.45%	0.386%
87	22.268	3274	3278	3280	rBV	795208	1092489	2.78%	0.311%
88	22.550	3320	3326	3337	rVB4	1621936	4417706	11.24%	1.257%
89	22.668	3344	3346	3352	rVB	1197433	1768708	4.50%	0.503%
90	22.815	3362	3371	3375	rBV	16392090	39296199	100.00%	11.185%
91	22.968	3392	3397	3402	rBV	2139939	3202664	8.15%	0.912%
92	23.097	3415	3419	3428	rBV2	1160727	2425120	6.17%	0.690%
93	23.280	3443	3450	3454	rBV	7497455	14424131	36.71%	4.105%
94	23.327	3454	3458	3461	rVV	3005199	5544742	14.11%	1.578%
95	23.374	3461	3466	3471	rVB	7237127	12590894	32.04%	3.584%
96	23.462	3476	3481	3485	rVV	2879758	5453896	13.88%	1.552%
97	23.509	3485	3489	3496	rVB2	2128477	4401916	11.20%	1.253%
98	23.986	3565	3570	3578	rVB3	1082541	2151819	5.48%	0.612%
99	25.674	3848	3857	3869	rVB	3942686	11624766	29.58%	3.309%
100	26.350	3963	3972	3981	rVB	2048960	5751681	14.64%	1.637%

Sum of corrected areas: 351337540

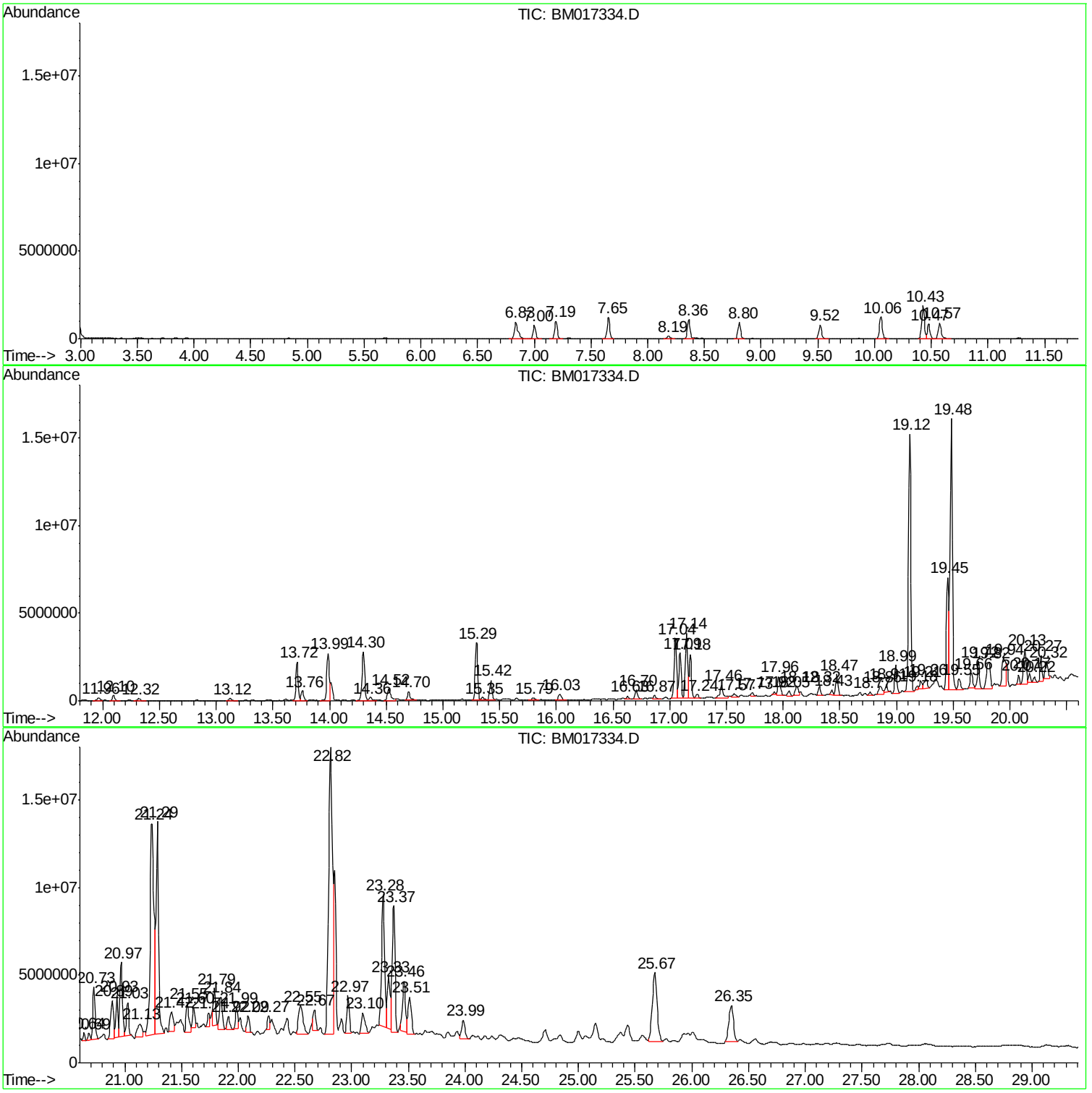
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017334.D
Acq On : 25 Oct 2018 01:21
Operator : MJ/SJ
Sample : J5598-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017334.D
Acq On : 25 Oct 2018 01:21
Operator : MJ/SJ
Sample : J5598-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

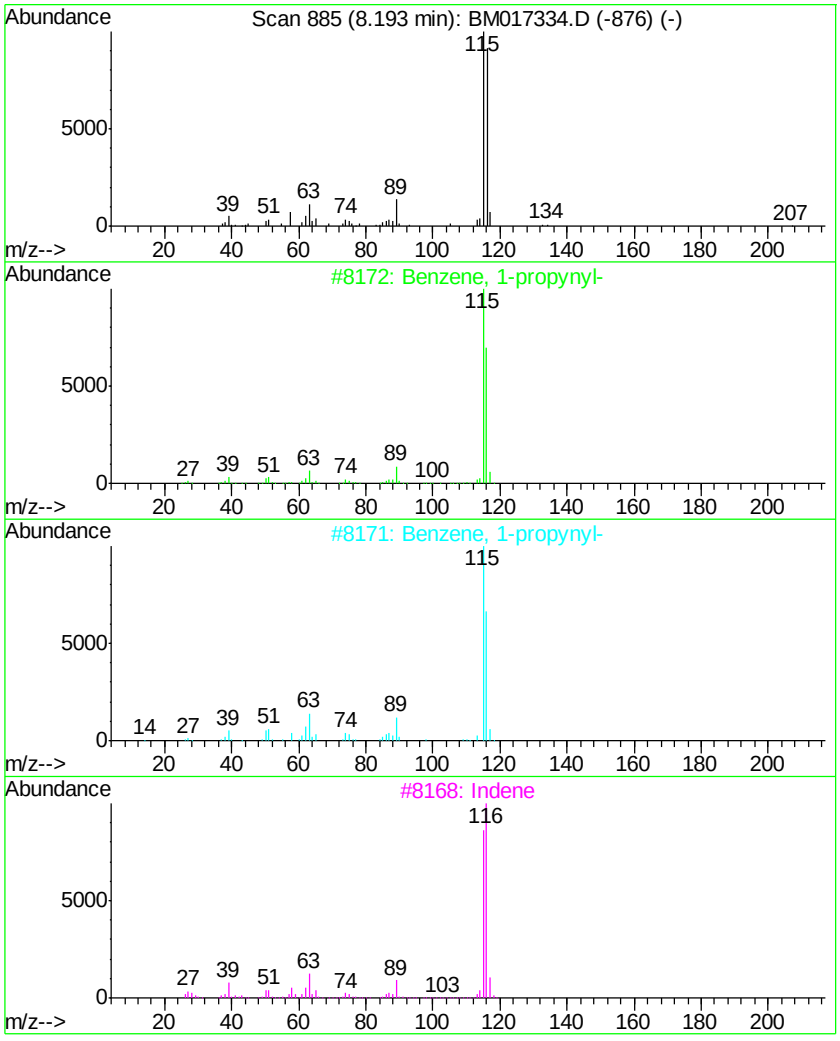
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

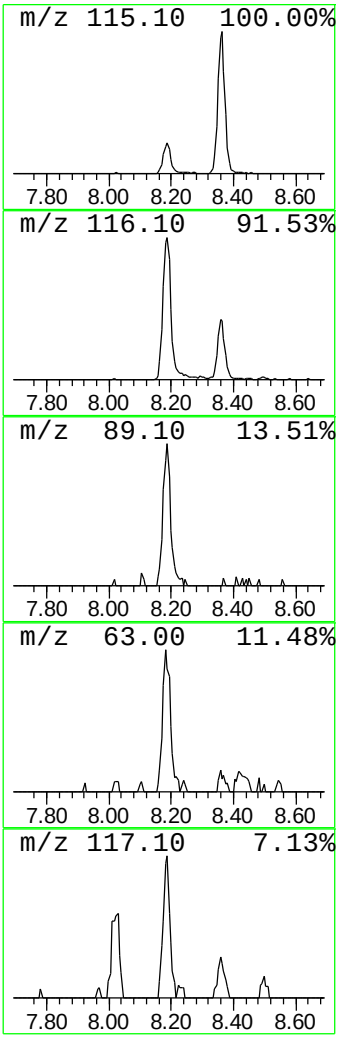
****

Peak Number 1 Benzene, 1-propynyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.19	2.78 ng/ul	274990	1,4-Dichlorobenzene-d4	7.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
3	Indene	116	C9H8	000095-13-6	94
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	Indene	116	C9H8	000095-13-6	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017334.D
Acq On : 25 Oct 2018 01:21
Operator : MJ/SJ
Sample : J5598-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

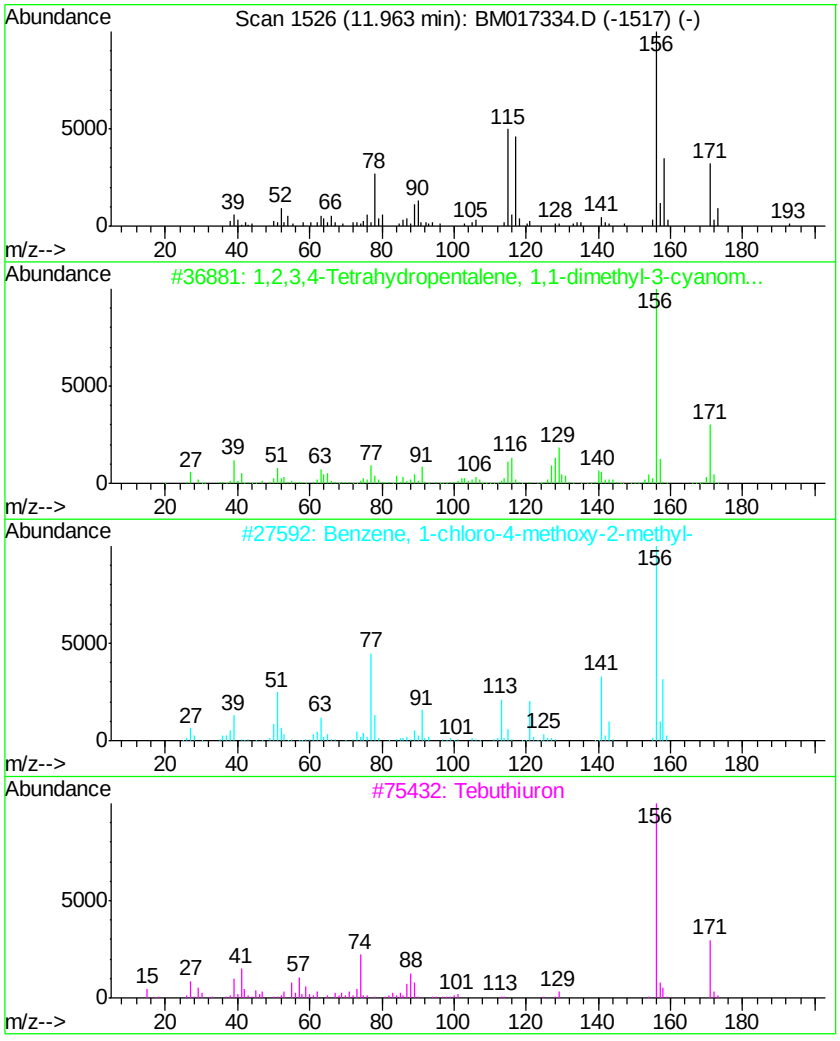
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

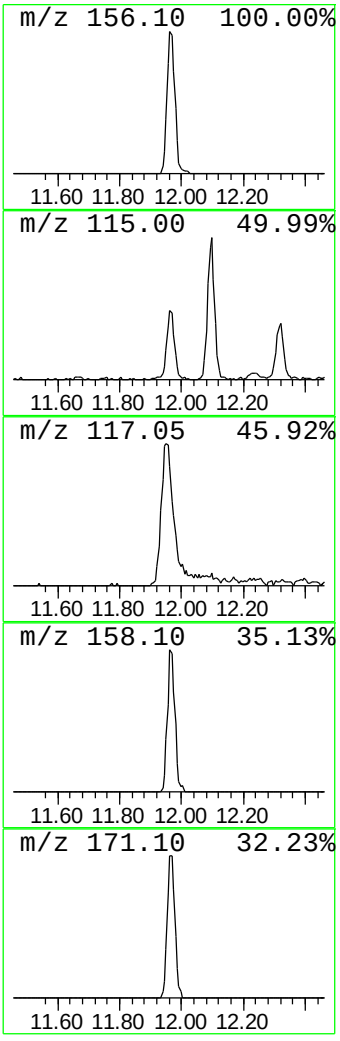
****

Peak Number 2 unknown-01 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	2.04 ng/ul	323487	Naphthalene-d8	10.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,3,4-Tetrahydropentalene, 1,1...	171	C12H13N	1000217-18-6	35
2	Benzene, 1-chloro-4-methoxy-2-me...	156	C8H9ClO	013334-71-9	32
3	Tebuthiuron	228	C9H16N4OS	034014-18-1	23
4	N-Acetyl-veratramine	451	C29H41NO3	1000256-72-3	22
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	22





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017334.D
Acq On : 25 Oct 2018 01:21
Operator : MJ/SJ
Sample : J5598-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

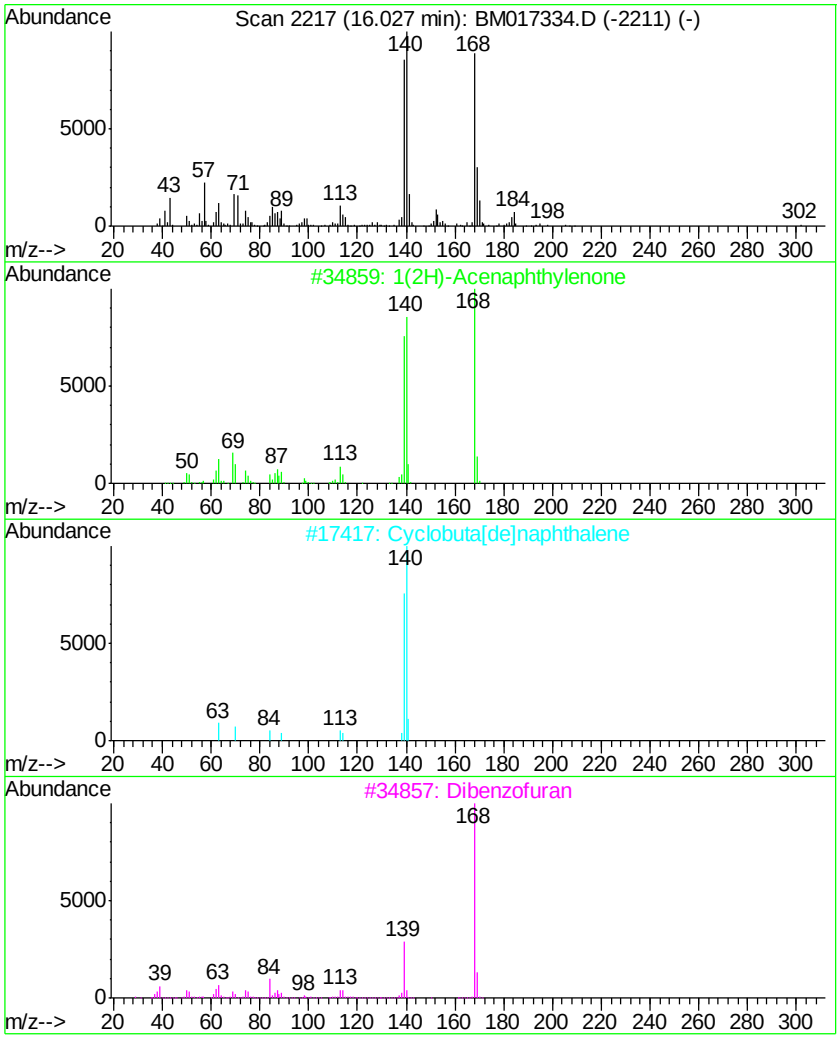
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

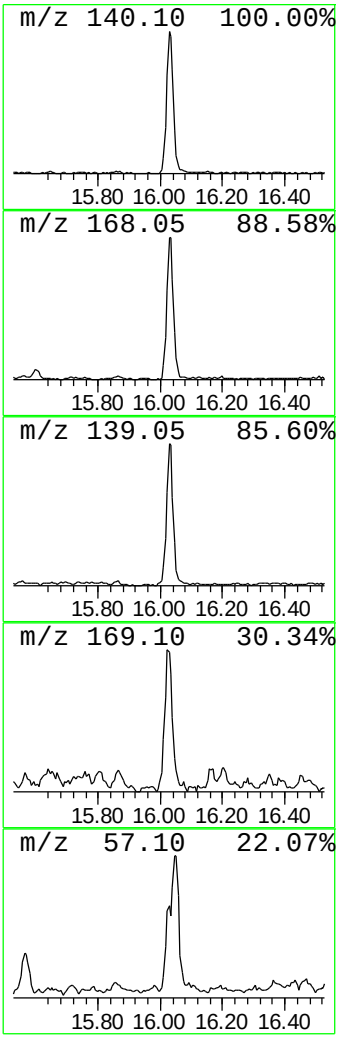
****

Peak Number 3 1(2H)-Acenaphthylenone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	2.50 ng/ul	641529	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	95
2	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	60
3	Dibenzofuran	168	C12H8O	000132-64-9	53
4	Dibenzofuran	168	C12H8O	000132-64-9	53
5	Benzaldehyde, 4-fluoro-3-hydroxy-	140	C7H5FO2	103438-85-3	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017334.D
Acq On : 25 Oct 2018 01:21
Operator : MJ/SJ
Sample : J5598-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

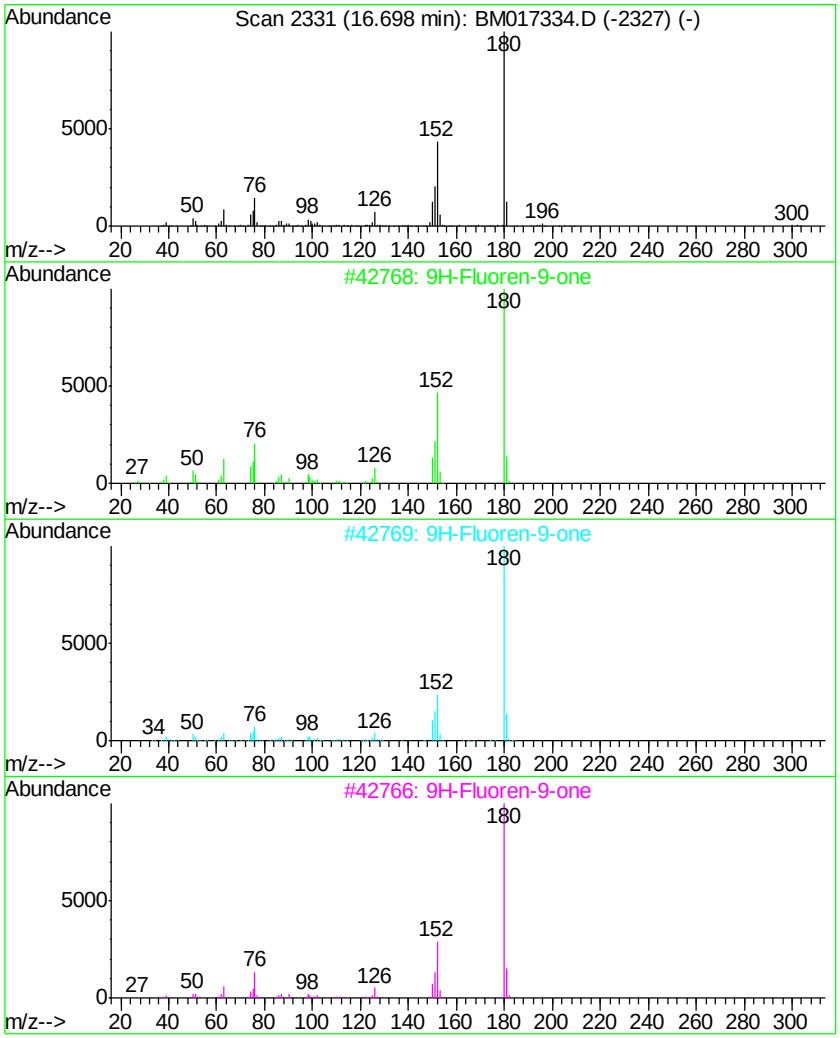
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

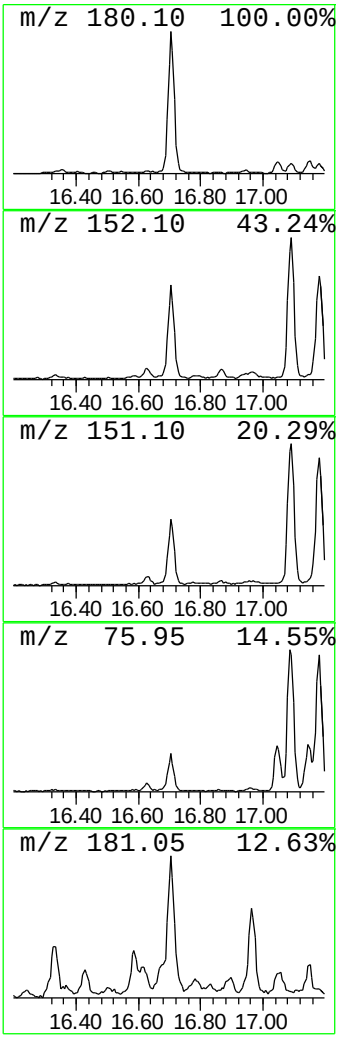
****

Peak Number 4 9H-Fluoren-9-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	3.08 ng/ul	791158	Phenanthrene-d10	17.04

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	93
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	91
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017334.D
Acq On : 25 Oct 2018 01:21
Operator : MJ/SJ
Sample : J5598-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

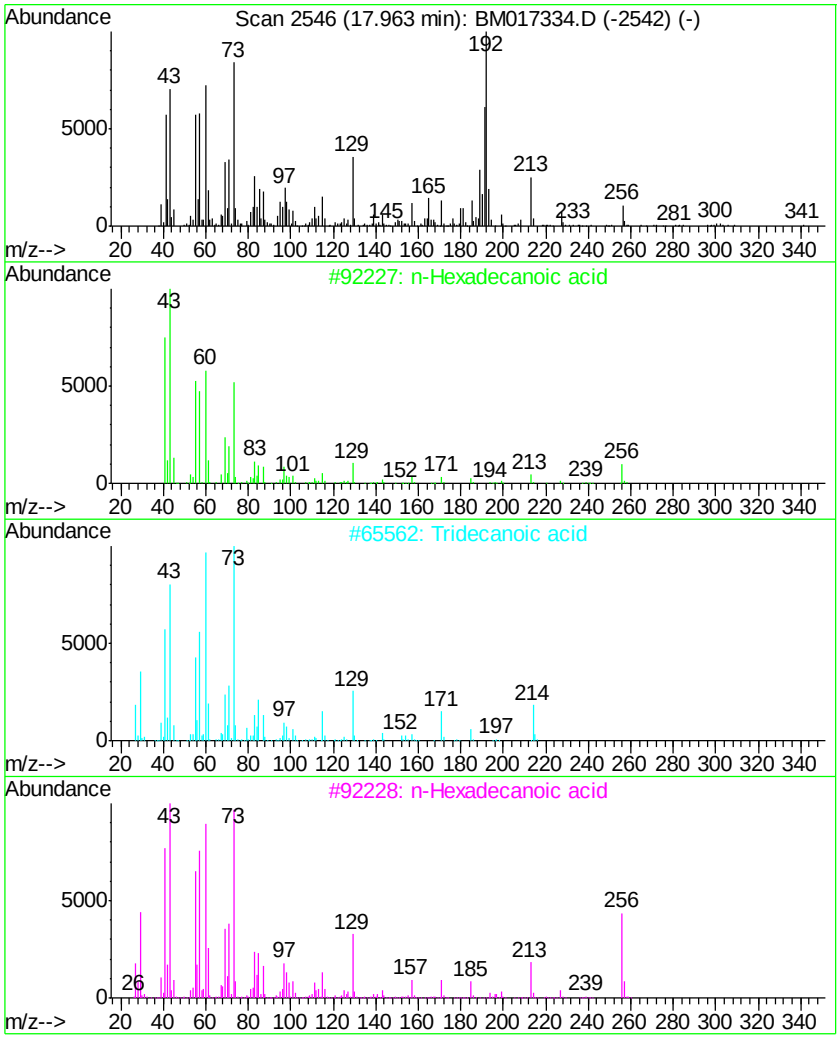
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

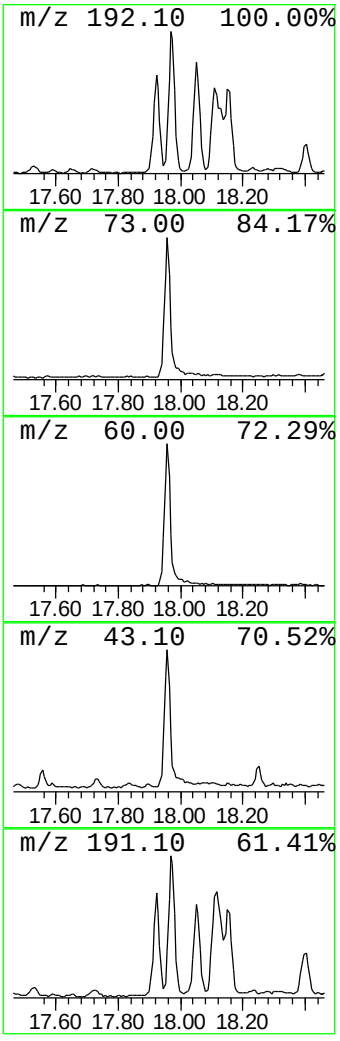
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	6.97 ng/ul	1791390	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2	Tridecanoic acid	214	C13H26O2	000638-53-9	86
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	83
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	81
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	74





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Operator : MJ/SJ
Sample : J5598-08
Misc :
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Instrument : BNA_M
ClientSampleId : C0AD9

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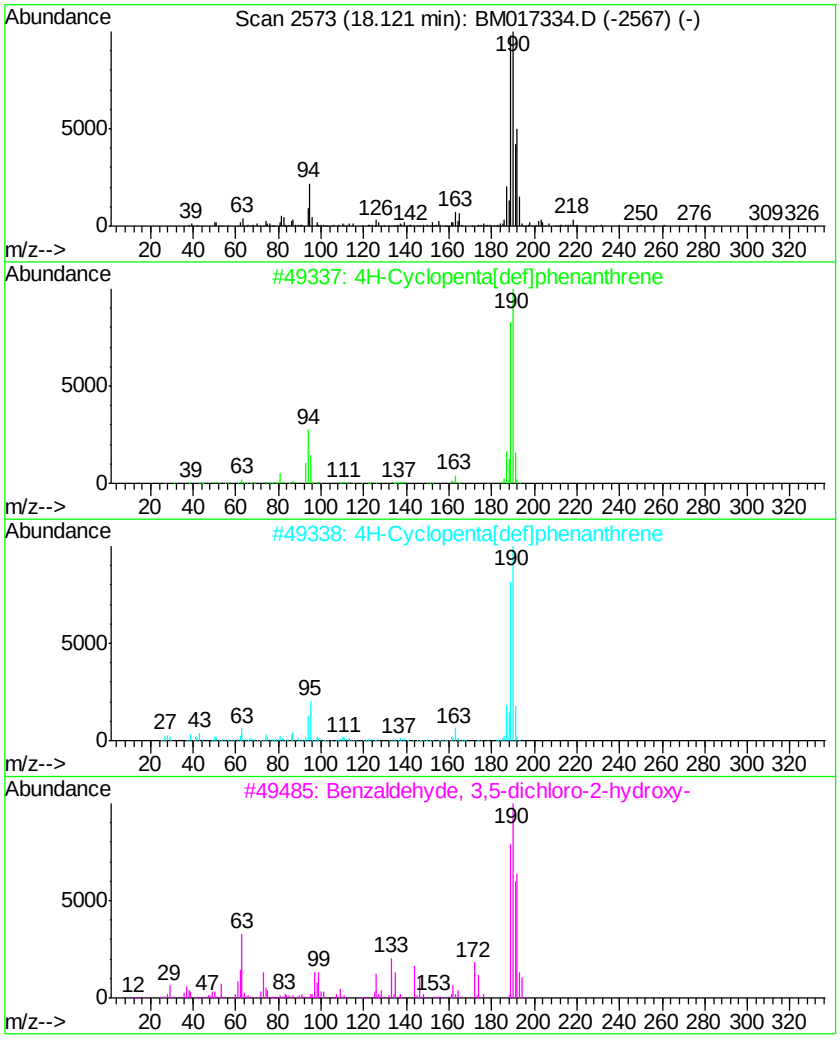
Quant Title : SVOA CALIBRATION

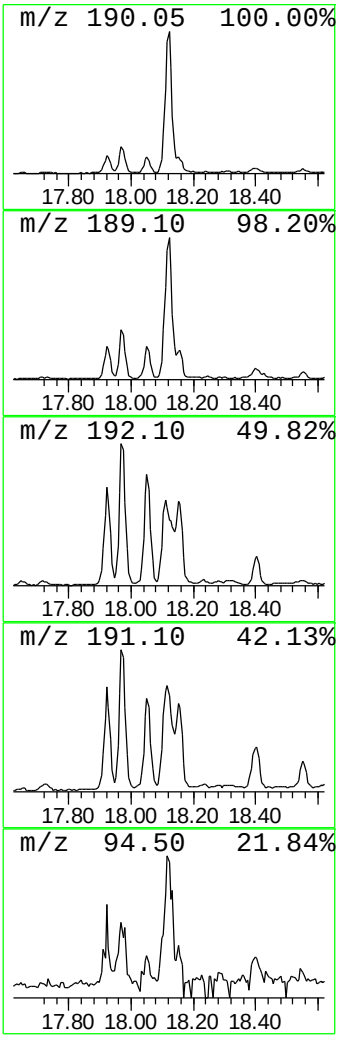
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	4.10 ng/ul	1053890	Phenanthrene-d10	17.04

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	53
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	52
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40





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Sample : J5598-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD9

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Quant Title : SVOA CALIBRATION

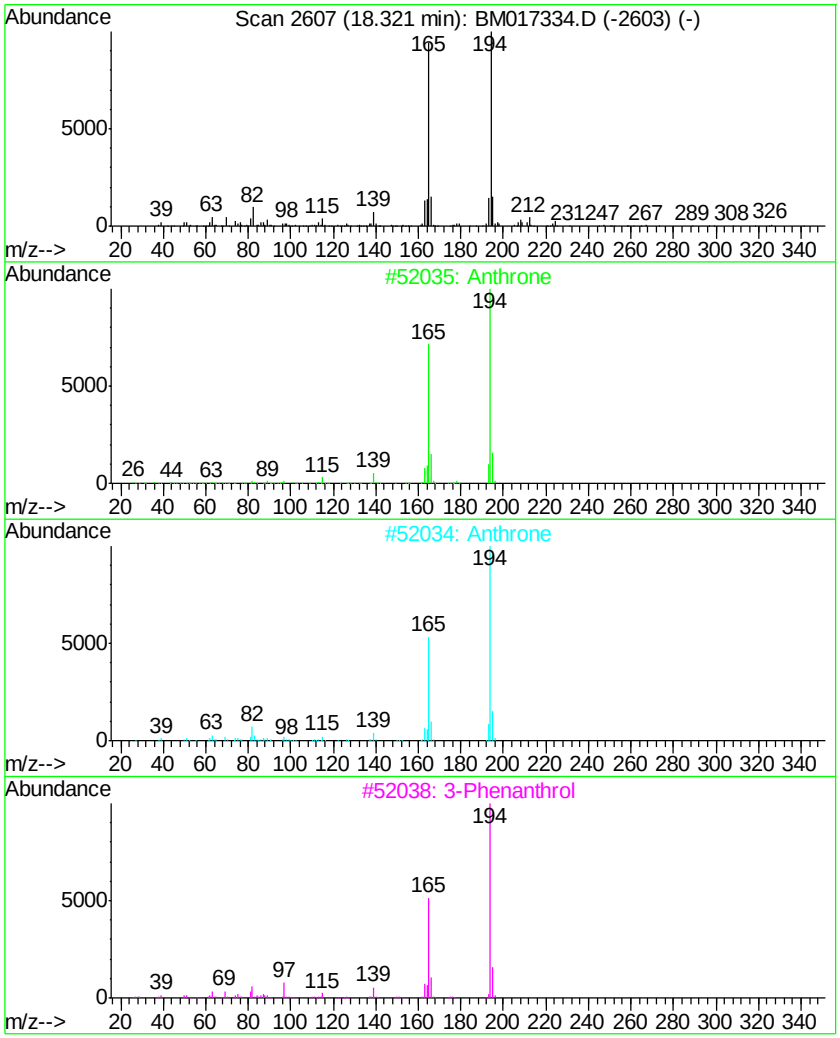
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

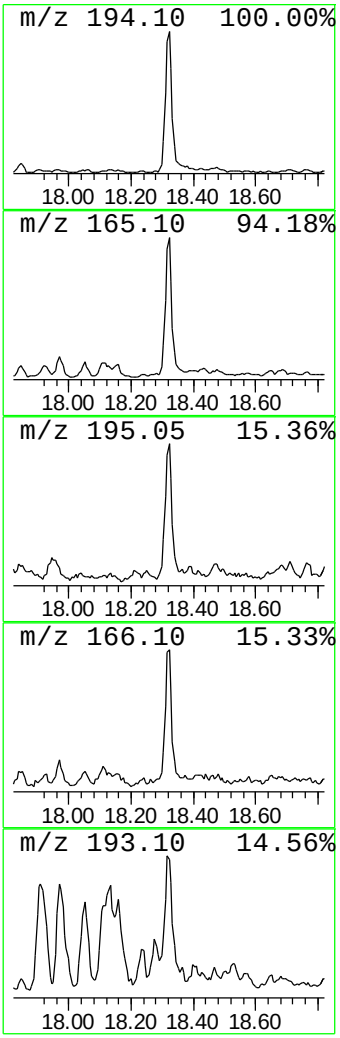
****

Peak Number 7 Anthrone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	2.70 ng/ul	693790	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthrone	194	C14H10O	000090-44-8	94
2	Anthrone	194	C14H10O	000090-44-8	94
3	3-Phenanthrol	194	C14H10O	000605-87-8	90
4	5H-Dibenzo[a,d]cycloheptane-10,1...	222	C15H10O2	052559-75-8	90
5	Ethenone, 2,2-diphenyl-	194	C14H10O	000525-06-4	87





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Sample : J5598-08
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Instrument : BNA_M
ClientSampleId : C0AD9

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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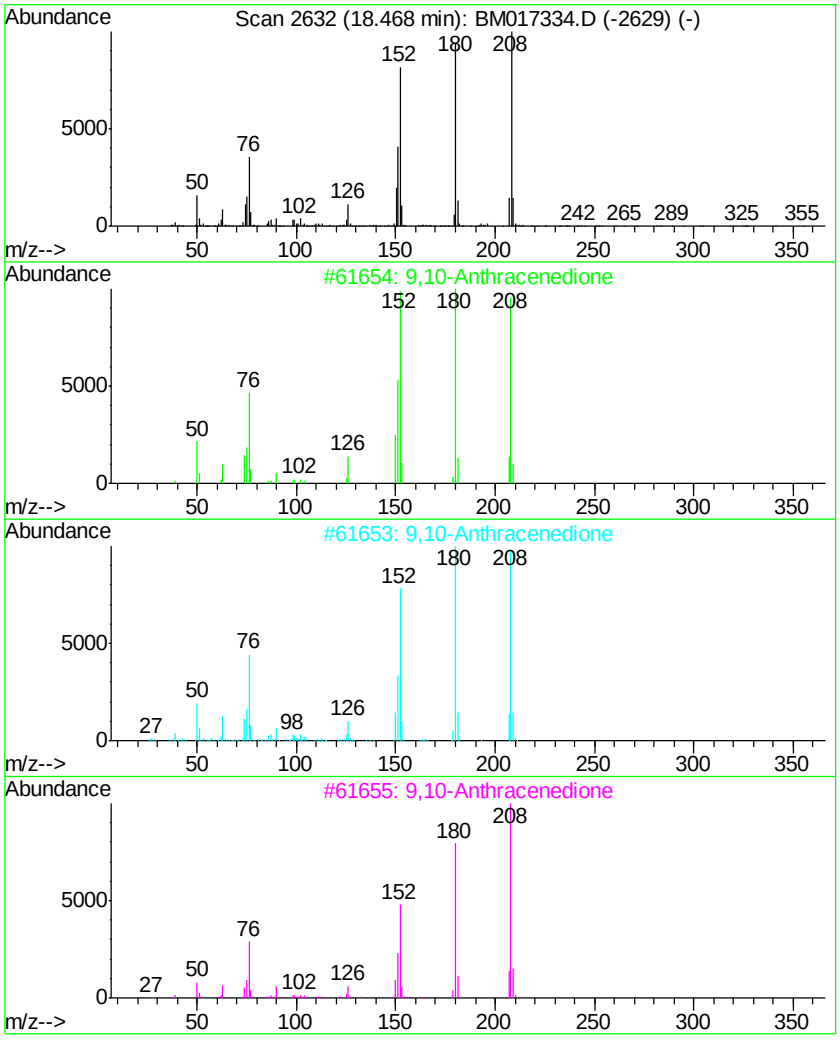
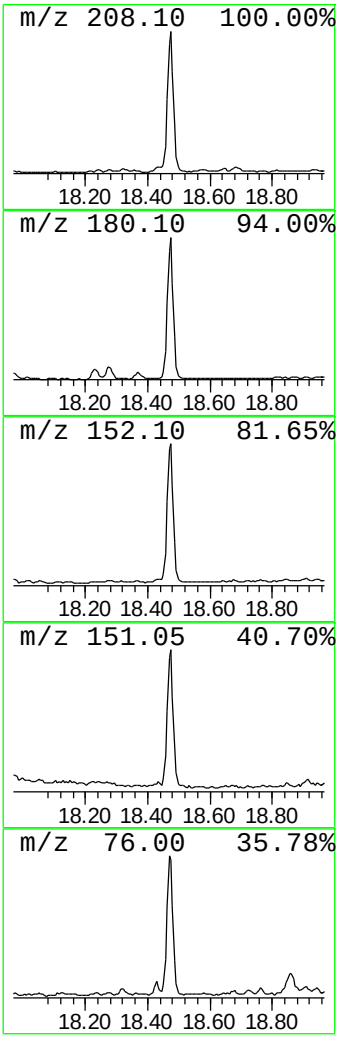
Peak Number 8 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	6.27 ng/ul	1611950	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62





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Sample : J5598-08
Misc :
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Instrument : BNA_M
ClientSampleId : C0AD9

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Quant Title : SVOA CALIBRATION

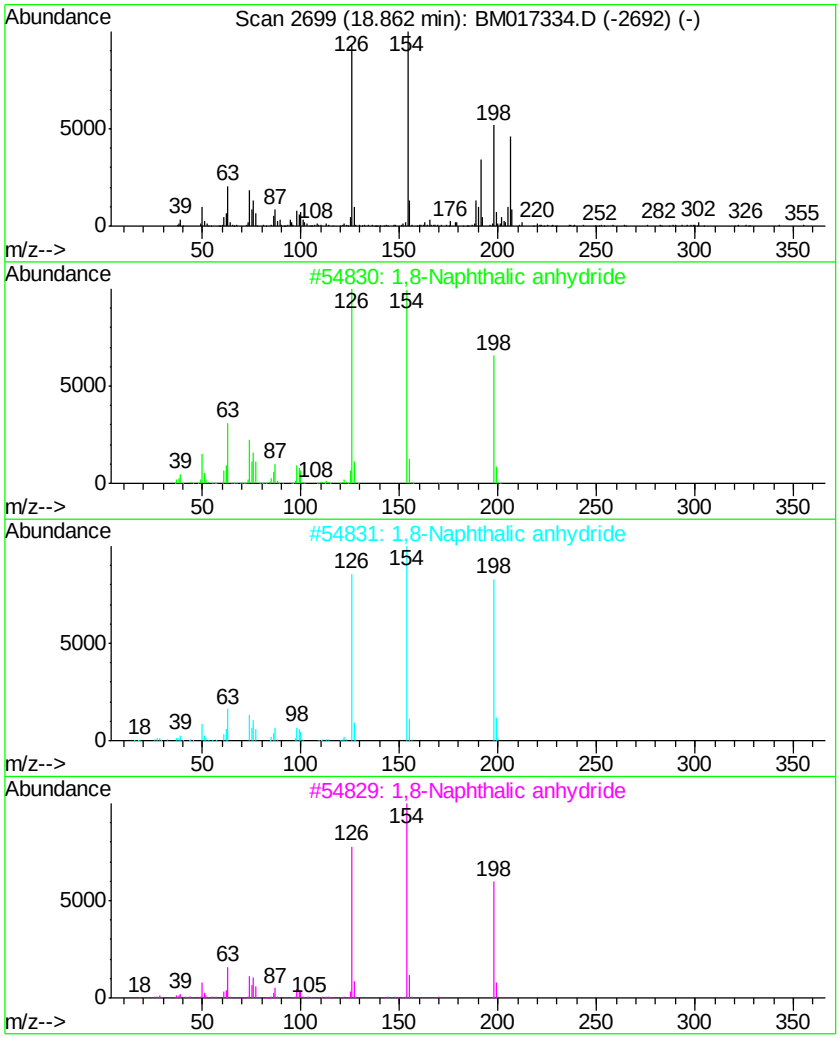
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

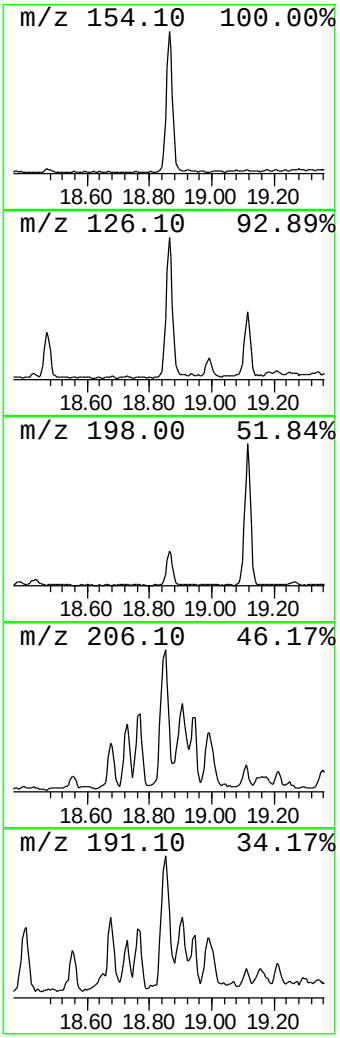
****

Peak Number 9 1,8-Naphthalic anhydride Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	4.18 ng/ul	1073010	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,8-Naphthalic anhydride	198	C12H6O3	000081-84-5	96
2	1,8-Naphthalic anhydride	198	C12H6O3	000081-84-5	95
3	1,8-Naphthalic anhydride	198	C12H6O3	000081-84-5	95
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	56
5	1,8-Naphthalic anhydride	198	C12H6O3	000081-84-5	53





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Misc :
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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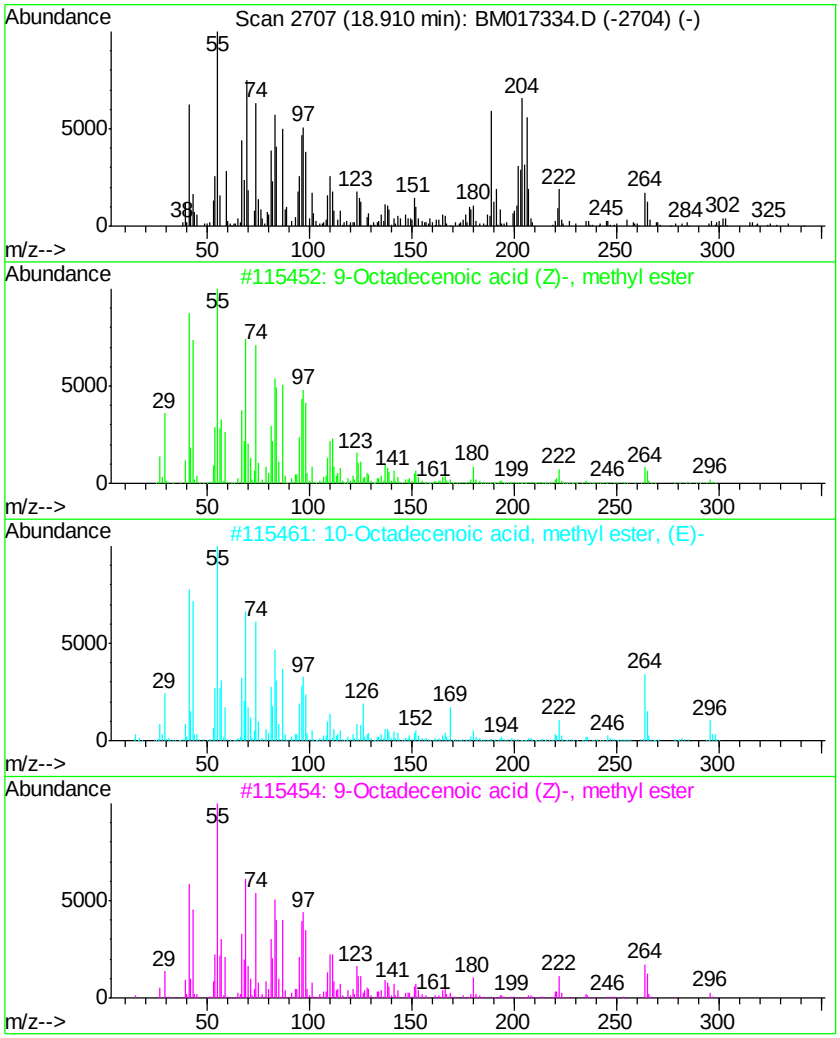
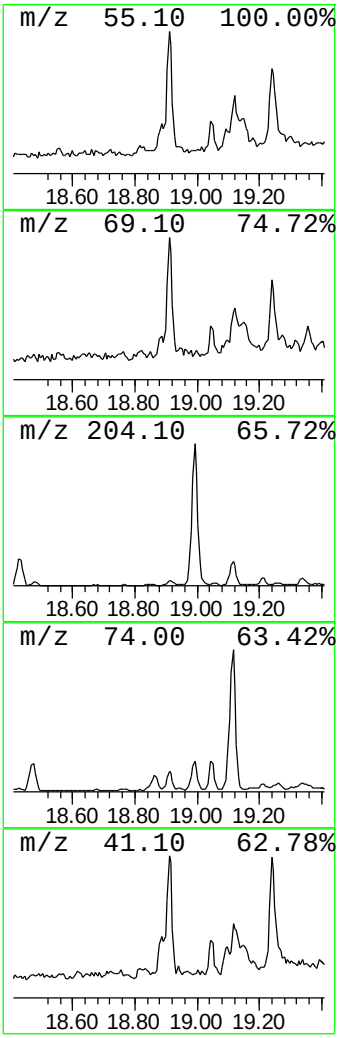
Peak Number 10 9-Octadecenoic acid (Z)-, m... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	2.13 ng/ul	546814	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
2	10-Octadecenoic acid, methyl est...	296	C19H36O2	013038-45-4	97
3	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	96
4	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	86
5	7-Octadecenoic acid, methyl ester	296	C19H36O2	057396-98-2	78





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Operator : MJ/SJ
Sample : J5598-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD9

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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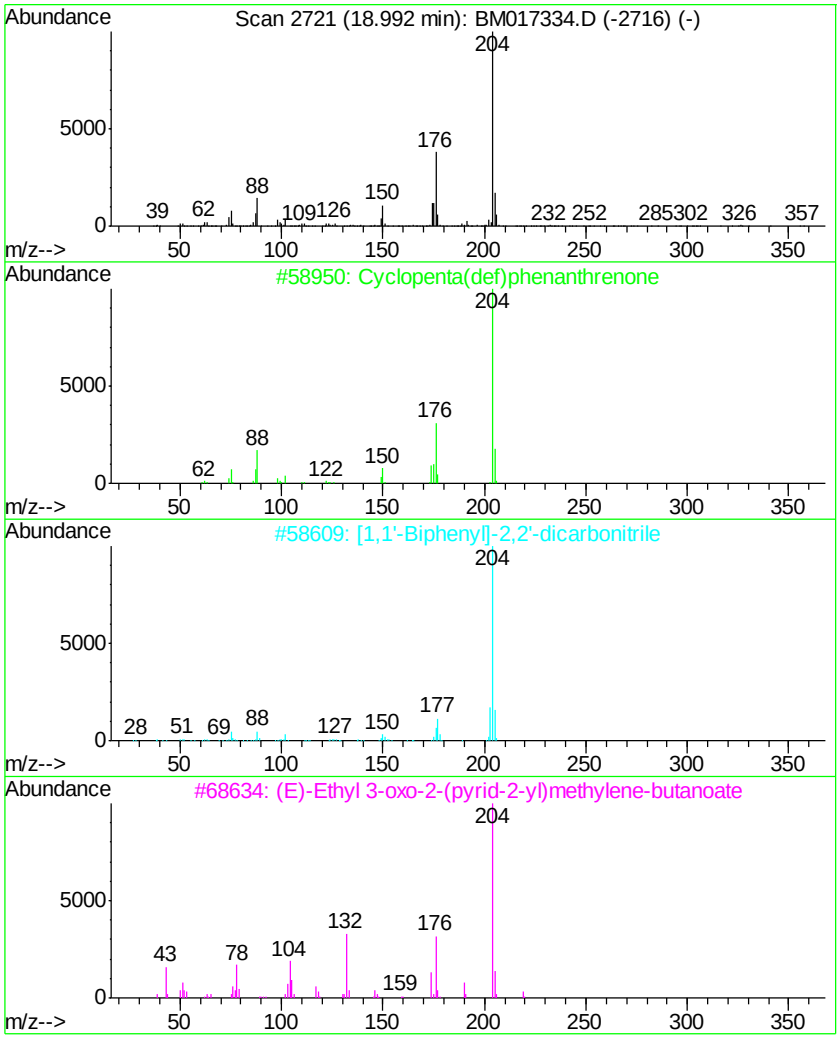
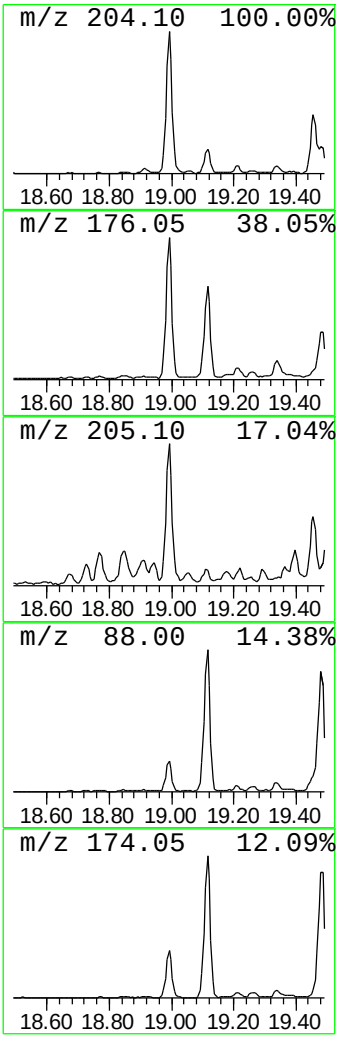
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	9.03 ng/ul	2319880	Phenanthrene-d10	17.04

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	52
3	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	50
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	47





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Operator : MJ/SJ
Sample : J5598-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD9

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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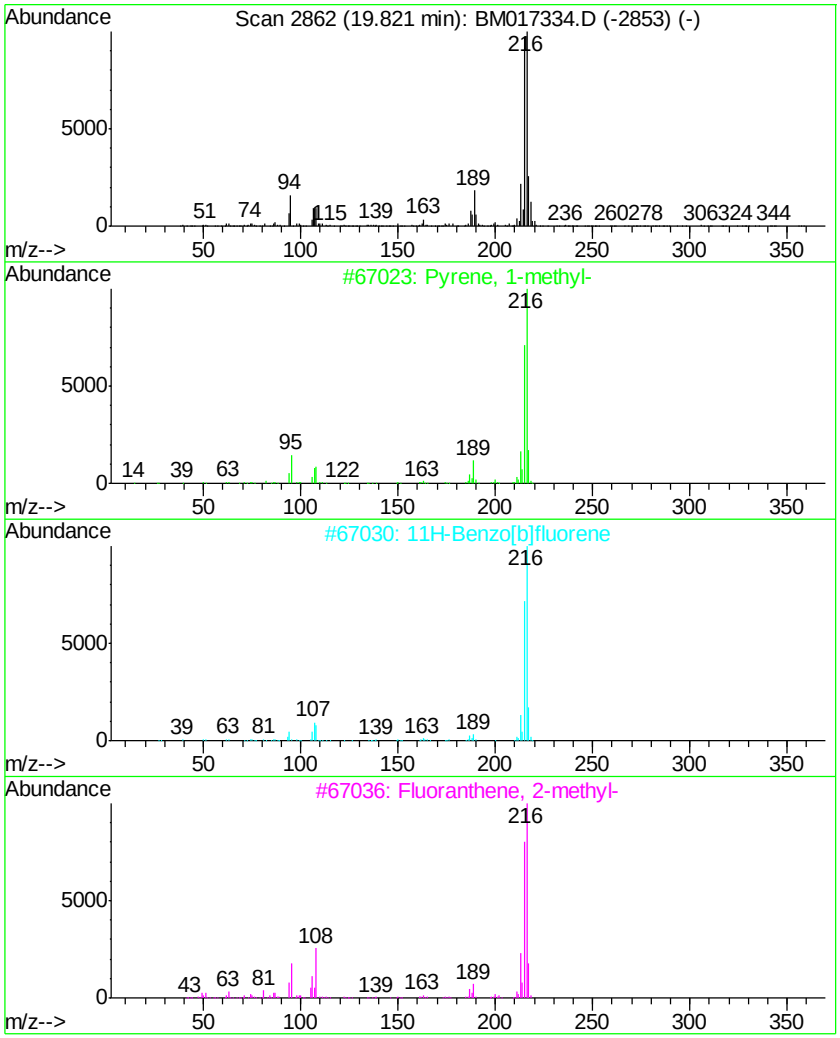
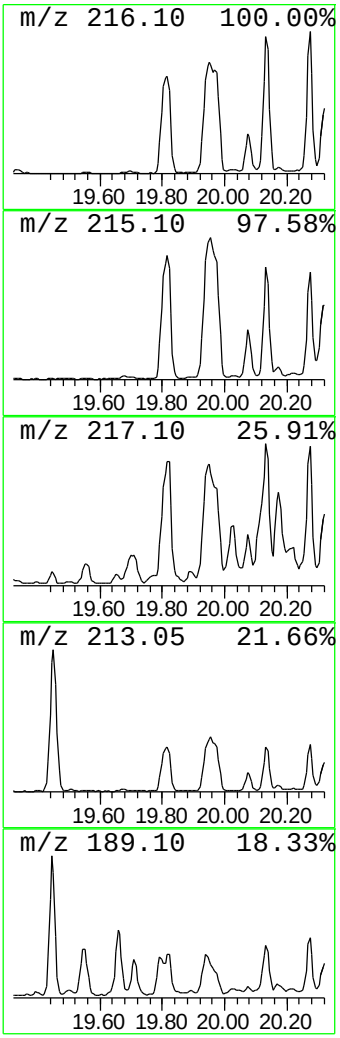
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.82	2.49 ng/ul	3570230	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





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Misc :
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Instrument : BNA_M
ClientSampleId : C0AD9

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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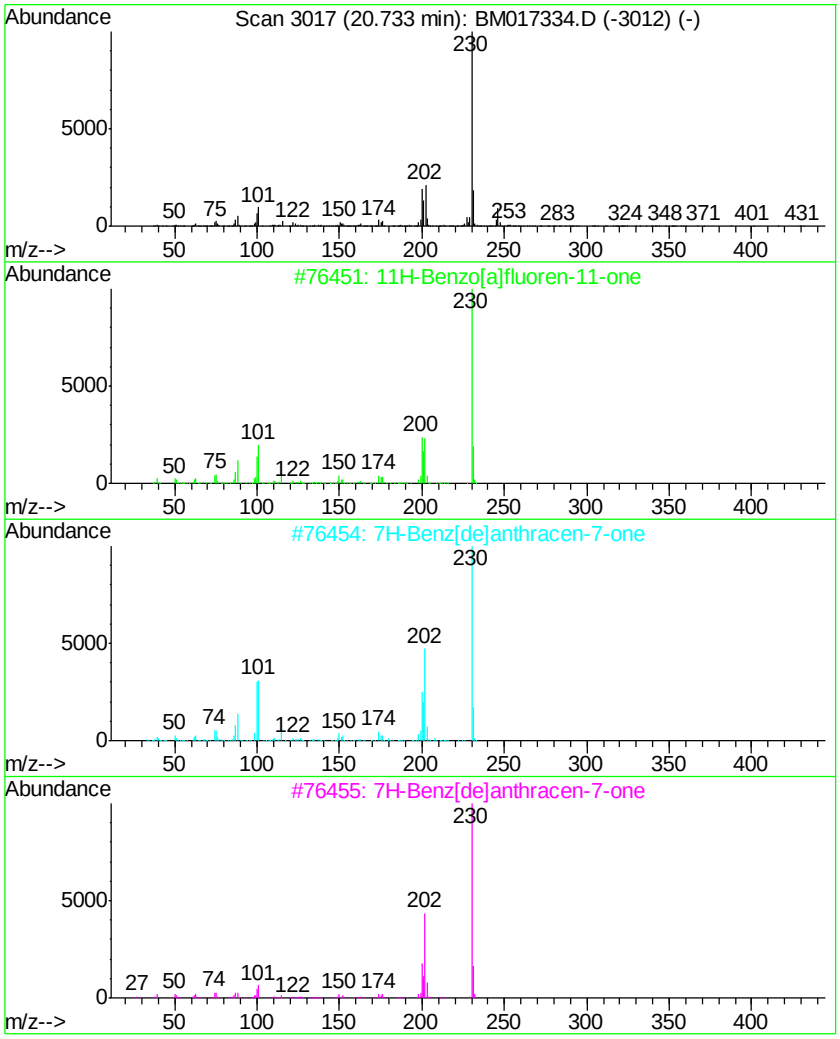
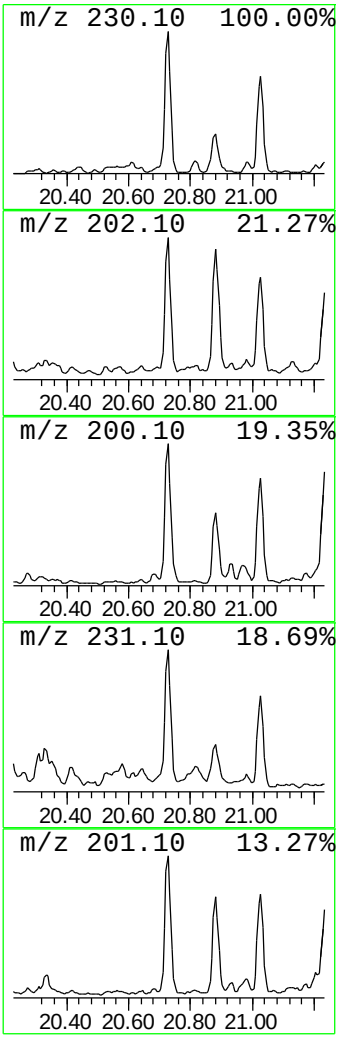
Peak Number 15 11H-Benzo[a]fluoren-11-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.73	2.82 ng/ul	4050030	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	93
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83





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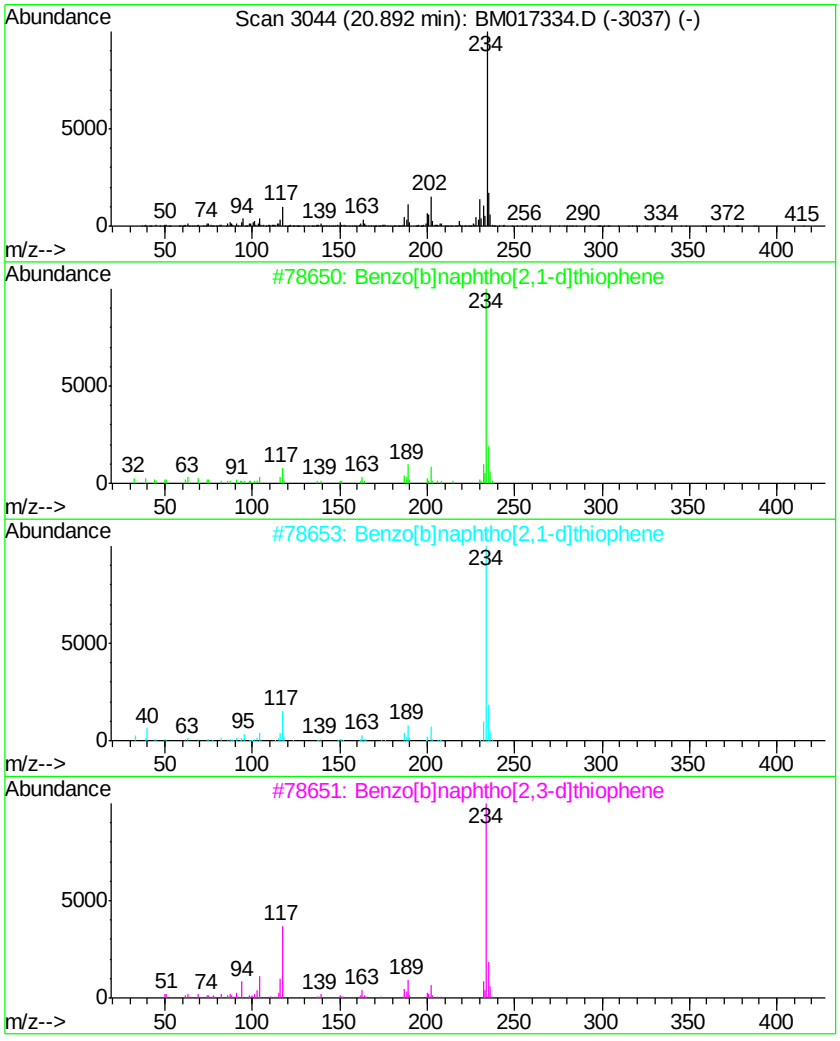
Quant Title : SVOA CALIBRATION

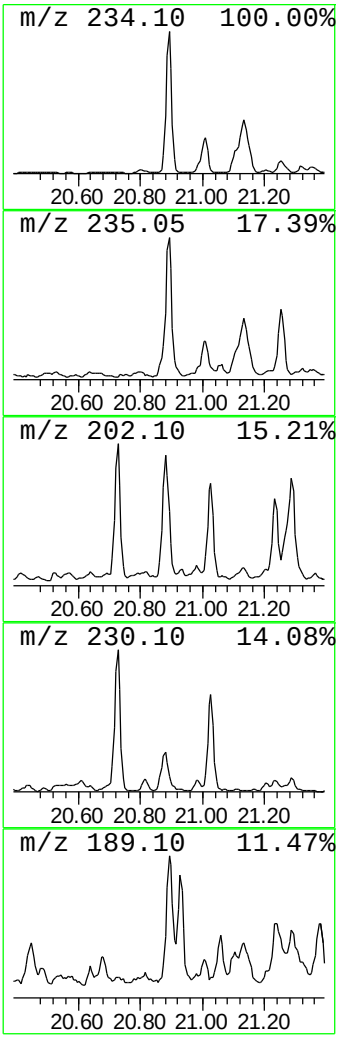
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.89	2.85 ng/ul	4097770	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	70
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	64
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	62





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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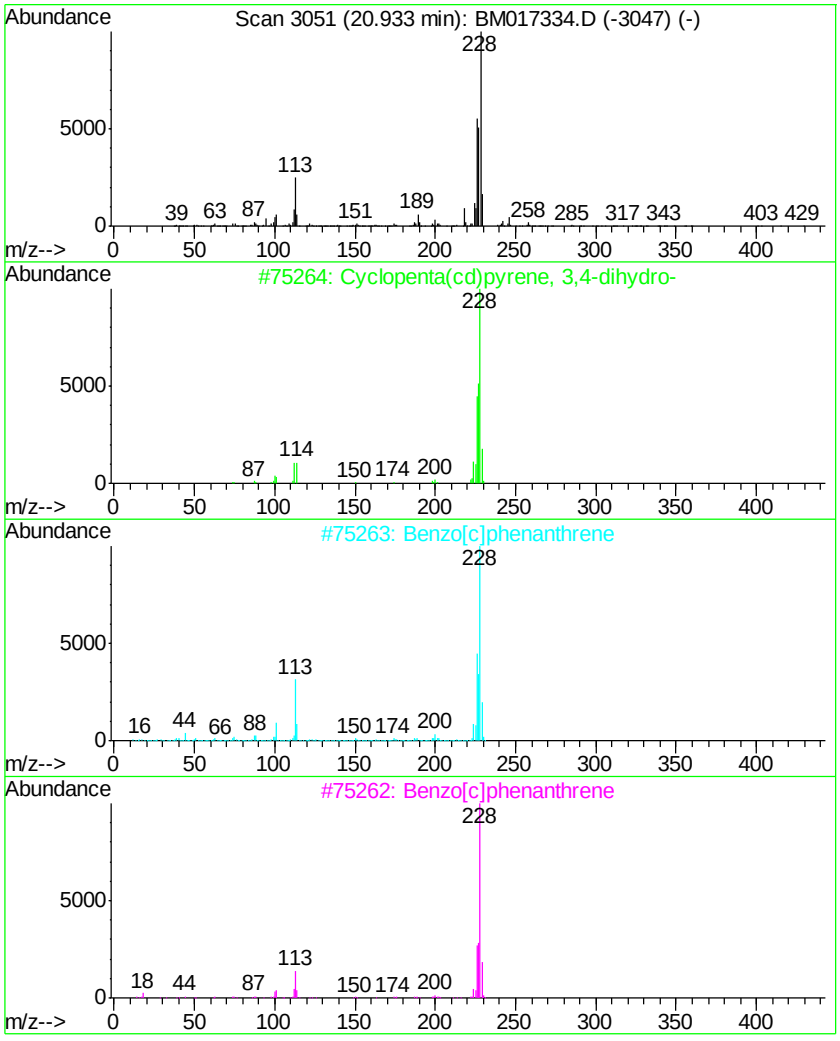
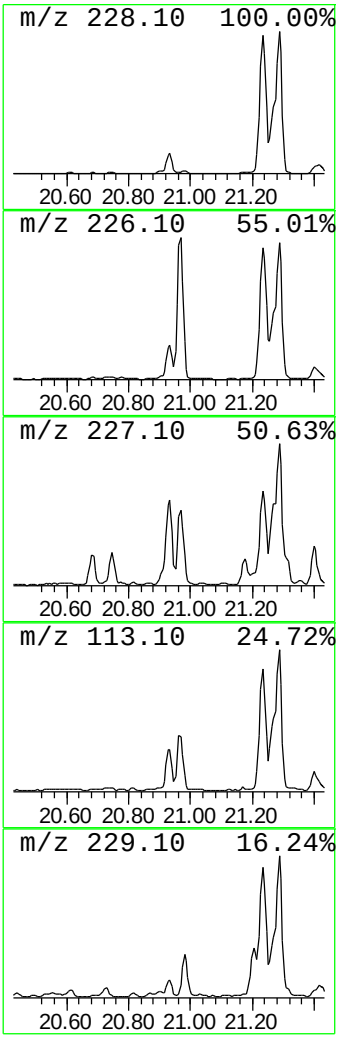
Peak Number 17 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	2.11 ng/ul	3026200	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	60
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	46
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	46
4	Triphenylene	228	C18H12	000217-59-4	45
5	2-Nitrophenyl selenocyanate	228	C7H4N2O2Se	051694-22-5	43





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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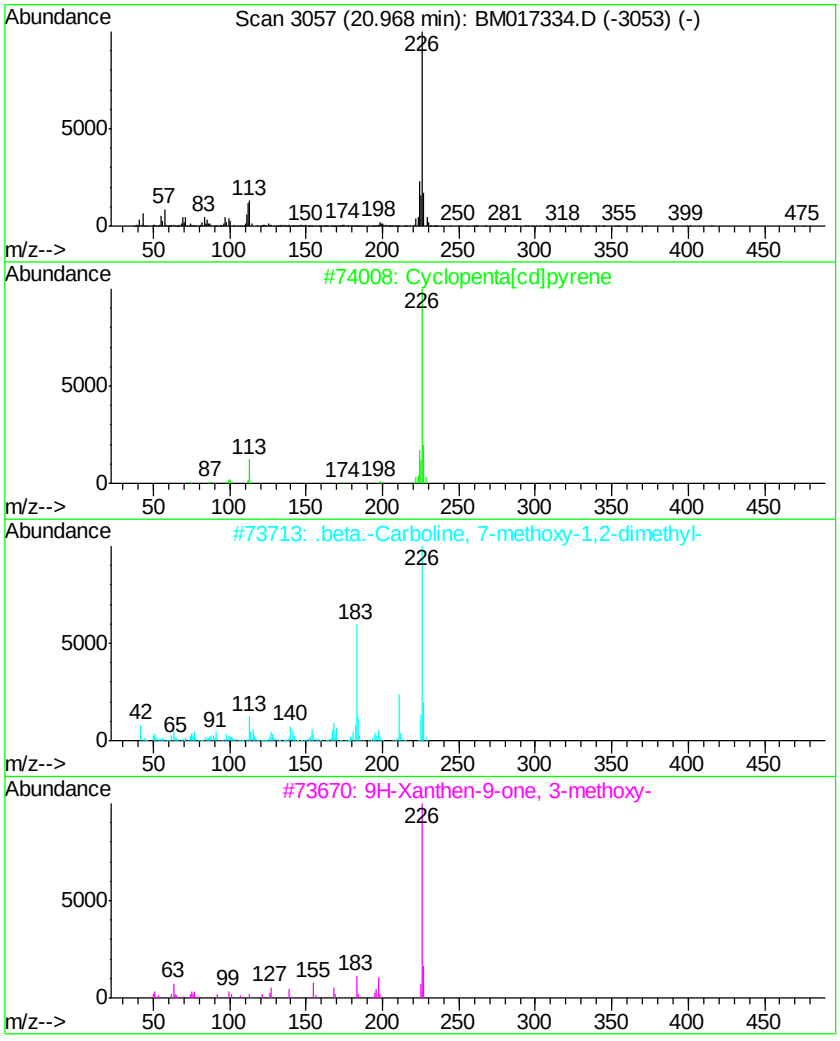
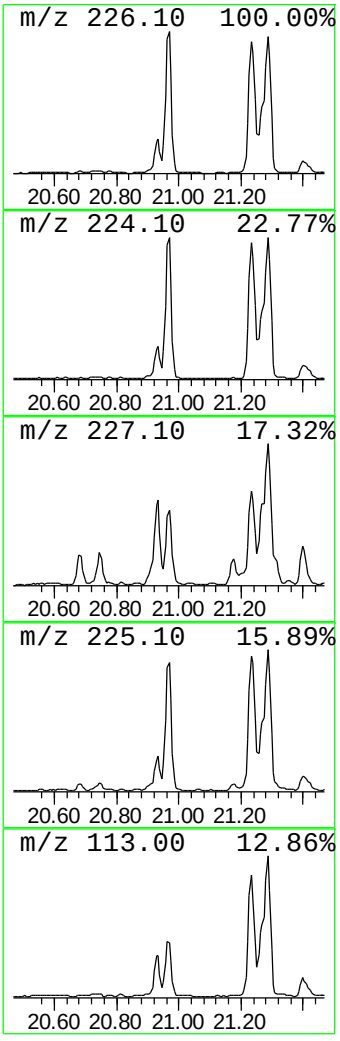
Peak Number 18 Cyclopenta[cd]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	4.40 ng/ul	6318400	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	76
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	58
3	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	50
4	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	43
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	33





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Acq On : 25 Oct 2018 01:21
Operator : MJ/SJ
Sample : J5598-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

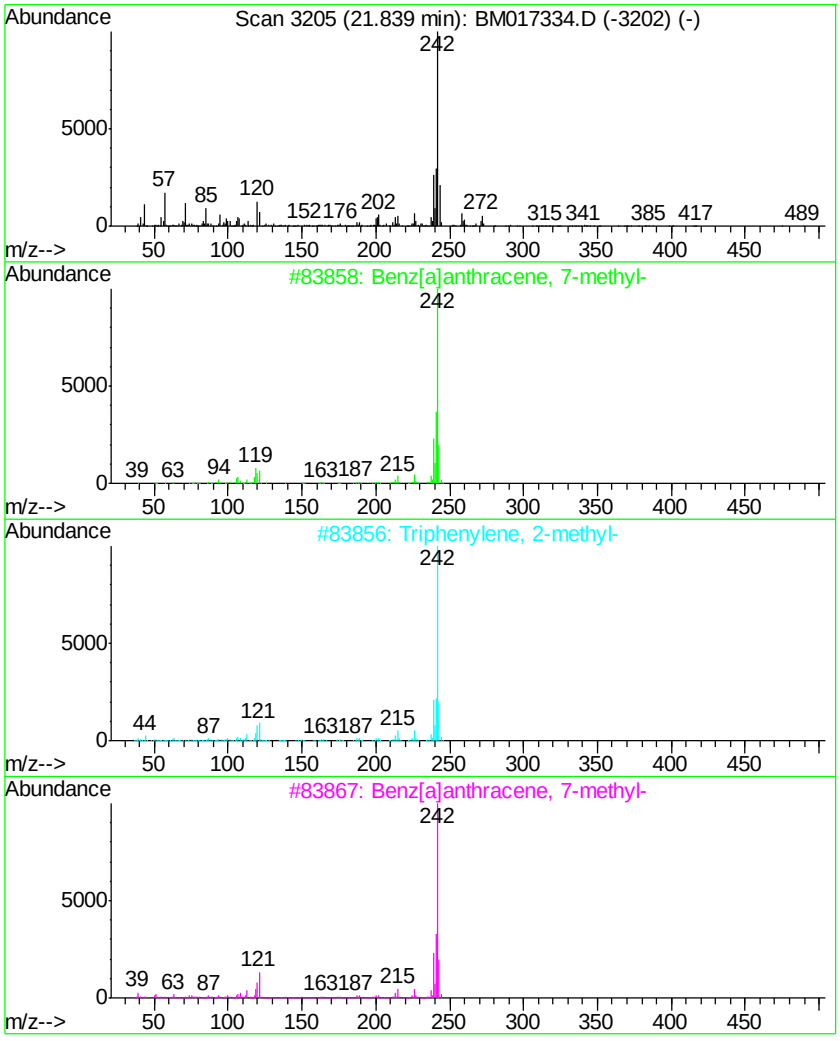
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

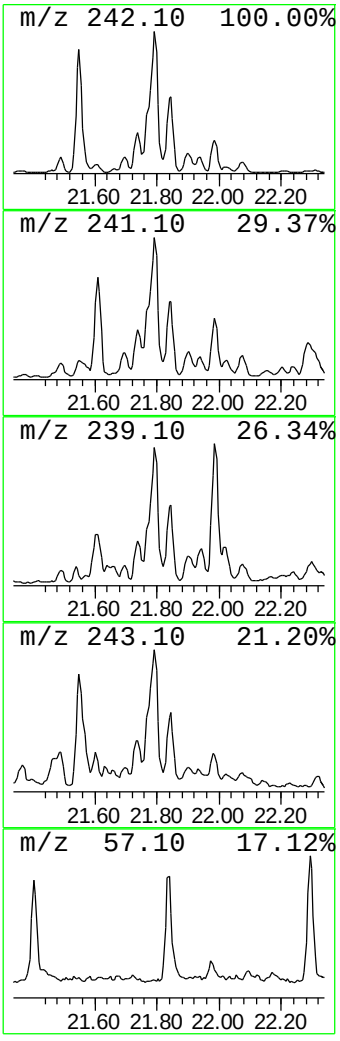
****

Peak Number 19 Benz[a]anthracene, 7-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.84	2.46 ng/ul	3529780	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	86
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	83
5	Benz[a]anthracene, 12-methyl-	242	C19H14	002422-79-9	78





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Acq On : 25 Oct 2018 01:21
Operator : MJ/SJ
Sample : J5598-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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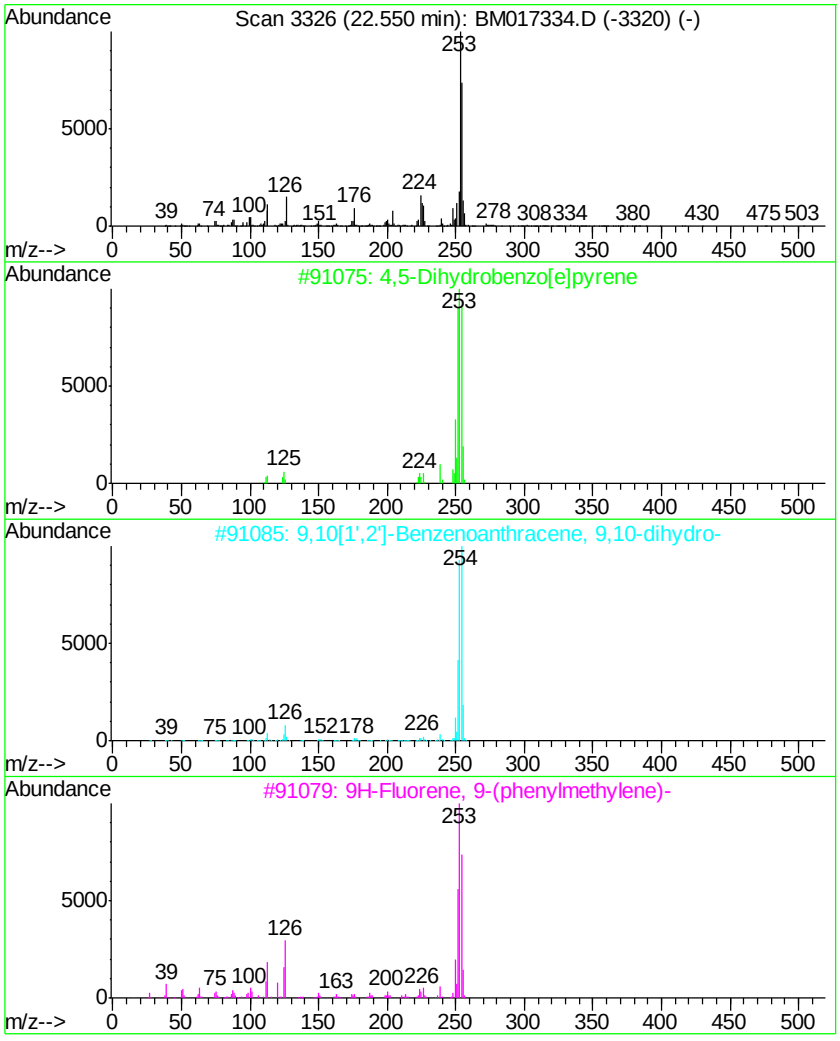
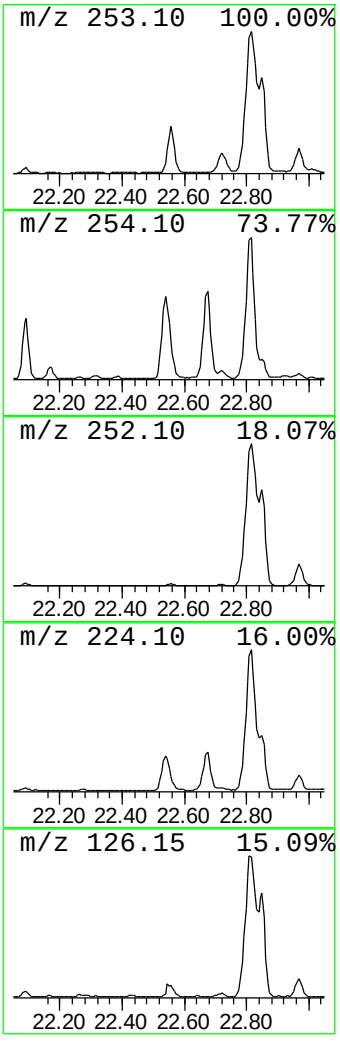
Peak Number 20 4,5-Dihydrobenzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.55	16.20 ng/ul	4417710	Perylene-d12	23.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	87
2	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	83
3	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	72
4	1,2'-Binaphthalene	254	C20H14	004325-74-0	72
5	1-(2-Acetoxy-4-methoxyphenyl)-2,...	454	C18H16Br2O4	1000243-60-3	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017334.D
Acq On : 25 Oct 2018 01:21
Operator : MJ/SJ
Sample : J5598-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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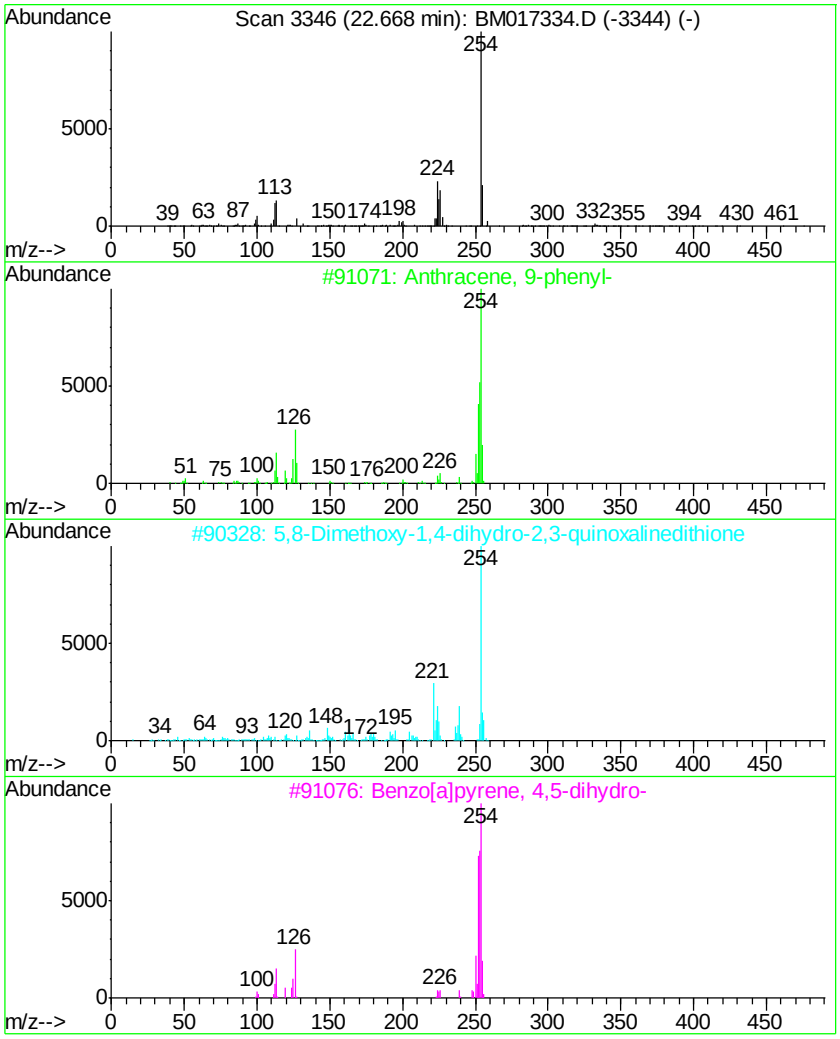
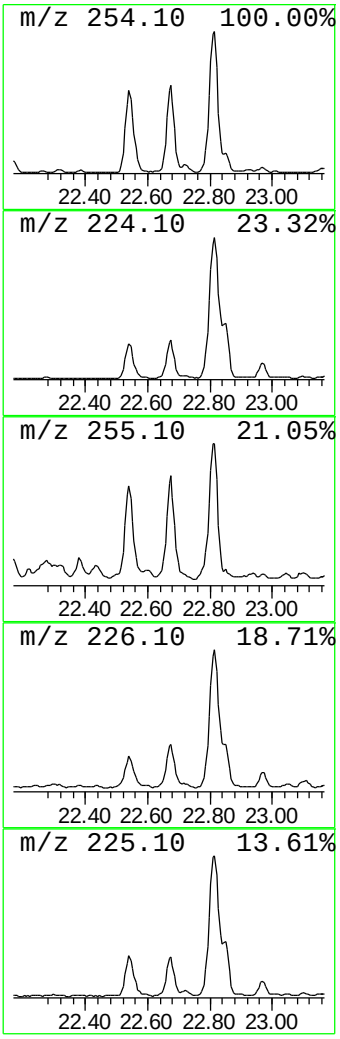
Peak Number 21 Anthracene, 9-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.67	6.49 ng/ul	1768710	Perylene-d12	23.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	59
2	5,8-Dimethoxy-1,4-dihydro-2,3-qu...	254	C10H10N2O2S2	001790-96-1	59
3	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	59
4	Chrysin	254	C15H10O4	000480-40-0	58
5	3-(2-Furan-2-yl-2-oxo-ethylidene...	254	C14H10N2O3	1000297-32-1	53





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Data File : BM017334.D
Acq On : 25 Oct 2018 01:21
Operator : MJ/SJ
Sample : J5598-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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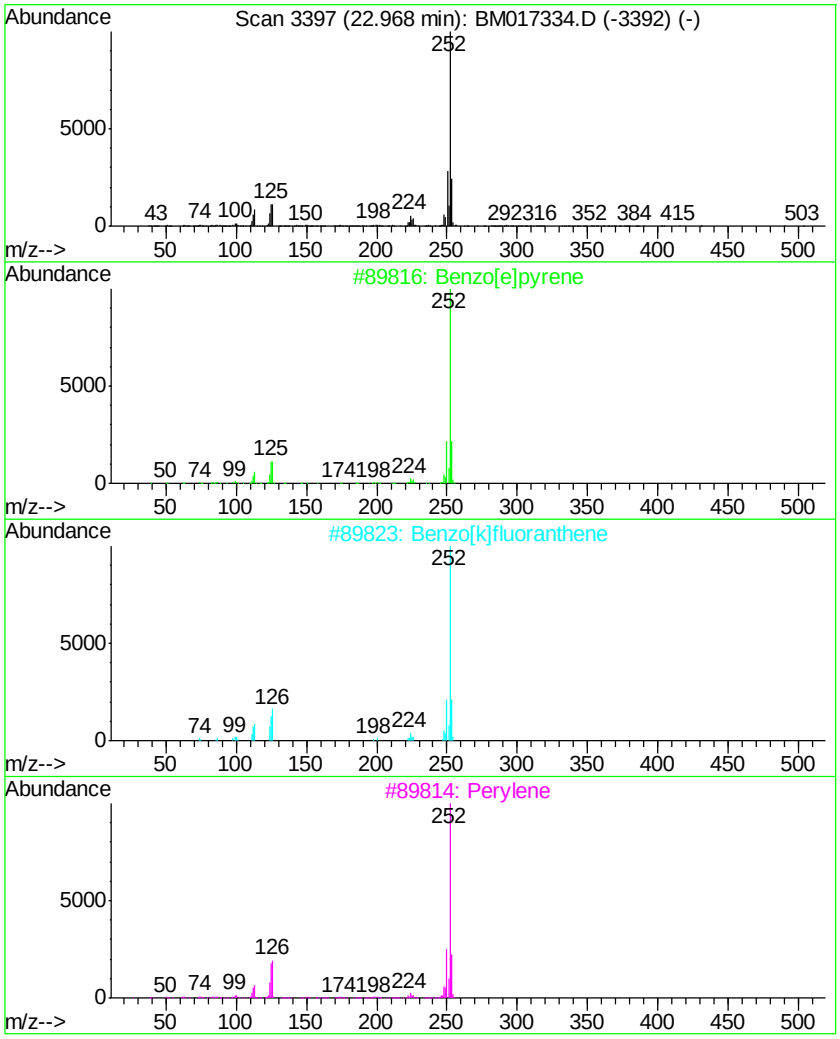
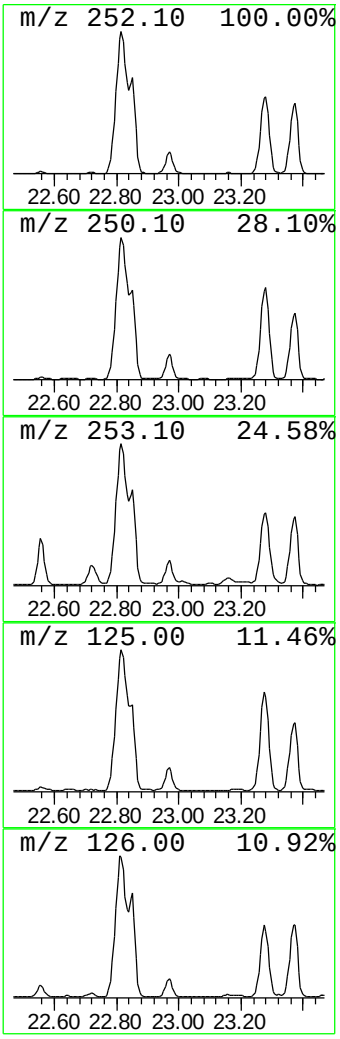
Peak Number 22 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.97	11.74 ng/ul	3202660	Perylene-d12	23.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	93
4	Perylene	252	C20H12	000198-55-0	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017334.D
Acq On : 25 Oct 2018 01:21
Operator : MJ/SJ
Sample : J5598-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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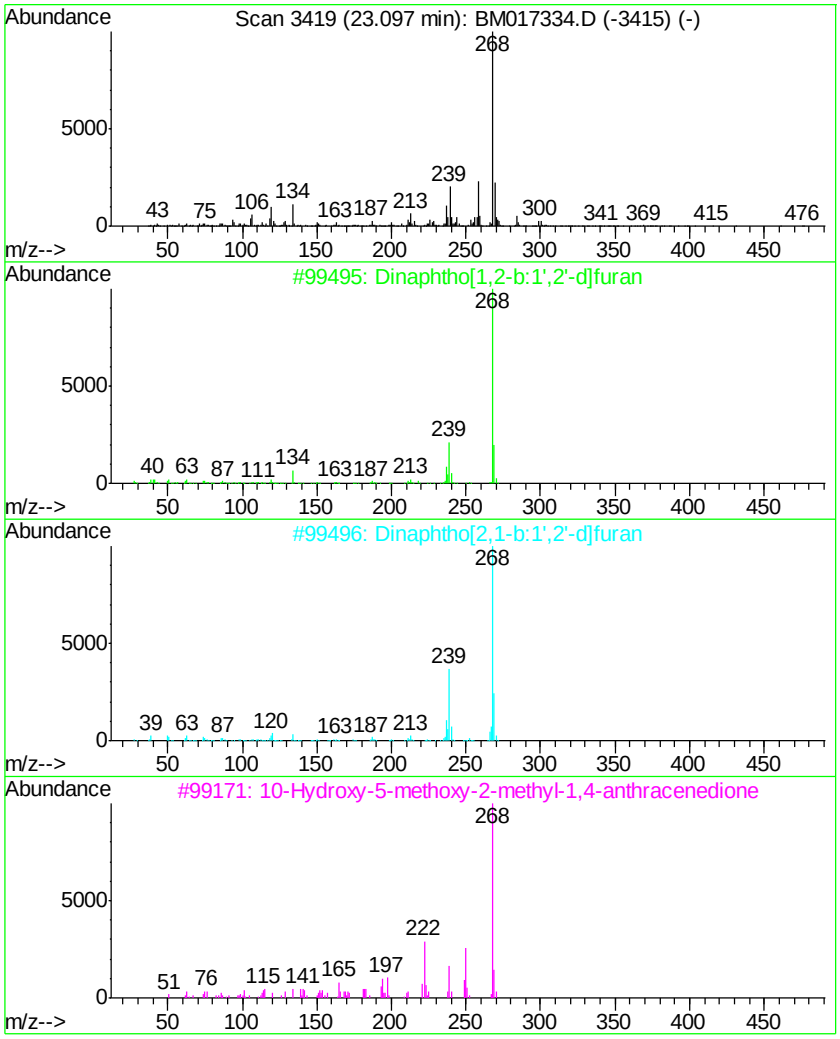
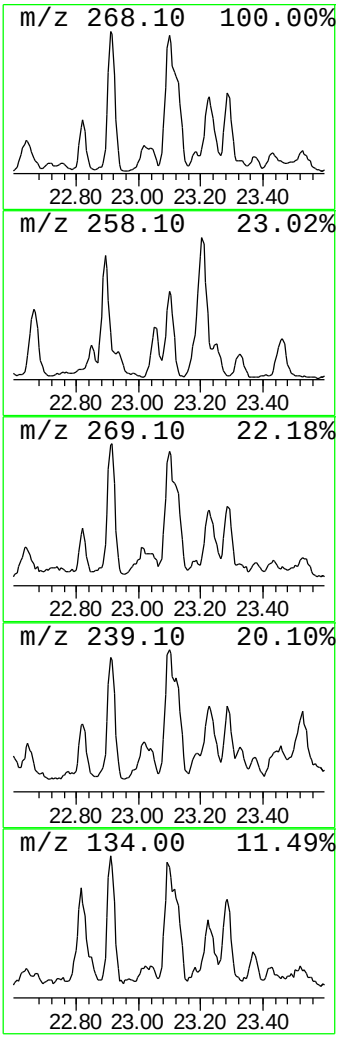
Peak Number 23 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.10	8.89 ng/ul	2425120	Perylene-d12	23.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	93
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	68
3	10-Hydroxy-5-methoxy-2-methyl-1,...	268	C16H12O4	084542-45-0	53
4	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	53
5	Benzo[c]pyren-6,7-diol, 4,5-dihy...	433	C29H23NO3	1000124-59-9	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017334.D
Acq On : 25 Oct 2018 01:21
Operator : MJ/SJ
Sample : J5598-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD9

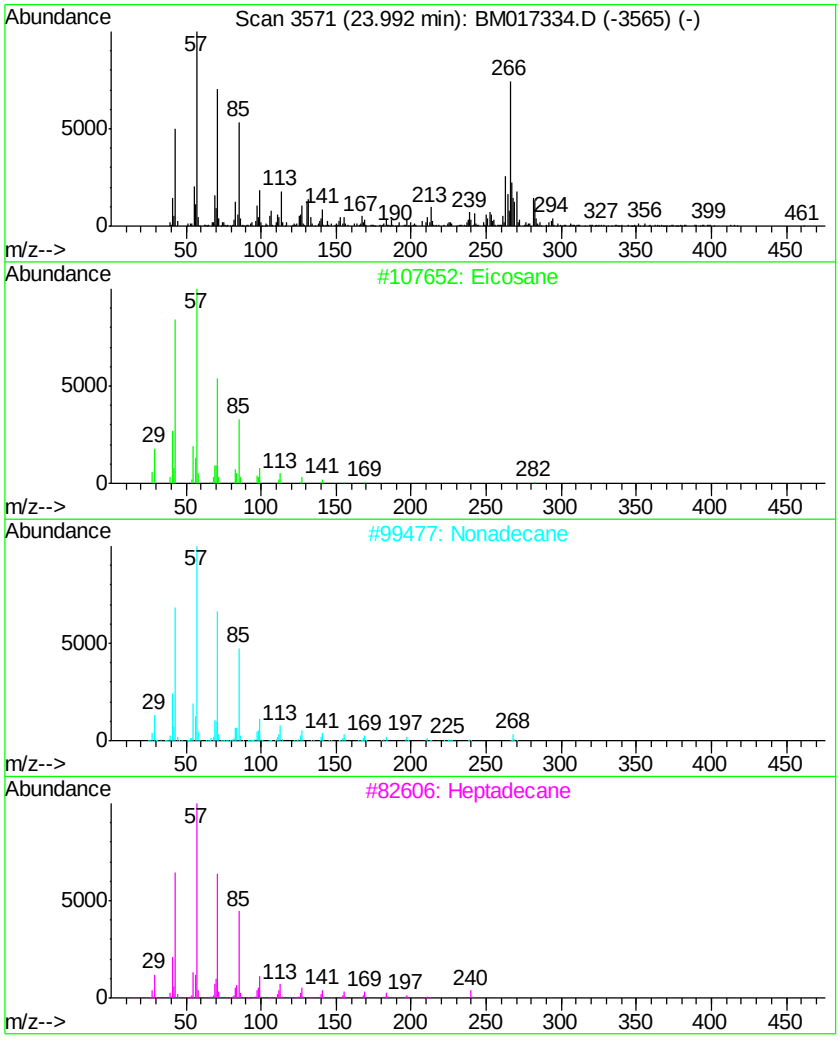
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

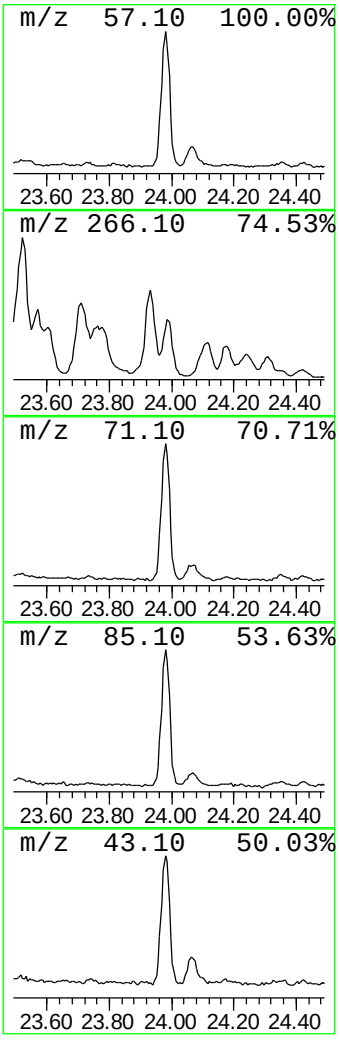
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.99	7.89 ng/ul	2151820	Perylene-d12	23.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	96
2	Nonadecane	268	C19H40	000629-92-5	95
3	Heptadecane	240	C17H36	000629-78-7	89
4	Eicosane	282	C20H42	000112-95-8	86
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017334.D
Acq On : 25 Oct 2018 01:21
Operator : MJ/SJ
Sample : J5598-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1-propynyl-	8.19	2.8	ng/ul	274990	1	7.65	1980430	20.0
unknown-01	11.96	2.0	ng/ul	323487	2	10.43	3174340	20.0
1(2H)-Acenaphthyl...	16.03	2.5	ng/ul	641529	4	17.04	5139290	20.0
9H-Fluoren-9-one	16.70	3.1	ng/ul	791158	4	17.04	5139290	20.0
n-Hexadecanoic acid	17.96	7.0	ng/ul	1791390	4	17.04	5139290	20.0
4H-Cyclopenta[def...	18.12	4.1	ng/ul	1053890	4	17.04	5139290	20.0
Anthrone	18.32	2.7	ng/ul	693790	4	17.04	5139290	20.0
9,10-Anthracenedione	18.47	6.3	ng/ul	1611950	4	17.04	5139290	20.0
1,8-Naphthalic an...	18.86	4.2	ng/ul	1073010	4	17.04	5139290	20.0
9-Octadecenoic ac...	18.91	2.1	ng/ul	546814	4	17.04	5139290	20.0
Cyclopenta(def)ph...	18.99	9.0	ng/ul	2319880	4	17.04	5139290	20.0
Pyrene, 1-methyl-	19.82	2.5	ng/ul	3570230	5	21.25	28716700	20.0
11H-Benzo[a]fluor...	20.73	2.8	ng/ul	4050030	5	21.25	28716700	20.0
Benzo[b]naphtho[2...	20.89	2.9	ng/ul	4097770	5	21.25	28716700	20.0
Cyclopenta(cd)pyr...	20.93	2.1	ng/ul	3026200	5	21.25	28716700	20.0
Cyclopenta[cd]pyrene	20.97	4.4	ng/ul	6318400	5	21.25	28716700	20.0
Benz[a]anthracene...	21.84	2.5	ng/ul	3529780	5	21.25	28716700	20.0
4,5-Dihydrobenzo[...	22.55	16.2	ng/ul	4417710	6	23.46	5453900	20.0
Anthracene, 9-phe...	22.67	6.5	ng/ul	1768710	6	23.46	5453900	20.0
Benzo[e]pyrene	22.97	11.7	ng/ul	3202660	6	23.46	5453900	20.0
Dinaphtho[1,2-b:1...	23.10	8.9	ng/ul	2425120	6	23.46	5453900	20.0
(DEL) Alkane: Str...	23.99	7.9	ng/ul	2151820	6	23.46	5453900	20.0