LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017331.D
Acq On : 24 Oct 2018 23:32
Operator : MJ/SJ
Sample : J5598-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE2

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	648	654	668	rBV2	701995	1440973	5.11%	0.599%
2	6.998	676	682	697	rVB	554327	856320	3.04%	0.356%
3	7.193	708	715	726	rVB	730500	1151511	4.09%	0.479%
4	7.657	784	794	801	rBV	1024852	1673266	5.94%	0.695%
5	8.187	877	884	891	rBV	82692	141252	0.50%	0.059%
6	8.363	907	914	922	rBV	828981	1372861	4.87%	0.571%
7	8.804	983	989	998	rBV	661654	1114303	3.95%	0.463%
8	9.522	1104	1111	1122	rBV	561951	938497	3.33%	0.390%
9	10.057	1195	1202	1215	rBV	840338	1495449	5.31%	0.621%
10	10.428	1256	1265	1271	rBV	1567880	2611727	9.27%	1.085%
11	10.475	1271	1273	1281	rVB	96257	144238	0.51%	0.060%
12	10.575	1282	1290	1303	rBV	655593	1199794	4.26%	0.499%
13	11.969	1518	1527	1533	rVV2	103928	211473	0.75%	0.088%
14	13.716	1818	1824	1828	rVV	1706802	2345690	8.32%	0.975%
15	13.763	1828	1832	1839	rVV	351801	545627	1.94%	0.227%
16	13.986	1859	1870	1887	rBV2	1992424	3541151	12.56%	1.472%
17	14.298	1915	1923	1930	rBV2	2388431	3590769	12.74%	1.492%
18	14.522	1952	1961	1982	rBV	471051	1166409	4.14%	0.485%
19	14.698	1986	1991	1995	rBV	98285	148083	0.53%	0.062%
20	15.292	2086	2092	2098	rBV	2536997	3664355	13.00%	1.523%
21	15.421	2109	2114	2126	rVB	846387	1182342	4.20%	0.491%
22	16.027	2211	2217	2230	rVB5	129503	282786	1.00%	0.118%
23	16.704	2328	2332	2340	rVB	100529	162276	0.58%	0.067%
24	16.868	2356	2360	2364	rVB2	61517	83866	0.30%	0.035%
25	17.045	2384	2390	2395	rBV	3085356	4582091	16.26%	1.904%
26	17.086	2395	2397	2402	rVV	518560	681655	2.42%	0.283%
27	17.145	2402	2407	2411	rVV	3003917	4311167	15.30%	1.792%
28	17.180	2411	2413	2419	rVV	620754	762673	2.71%	0.317%
29	17.239	2419	2423	2430	rVB4	56298	115583	0.41%	0.048%
30	17.457	2450	2460	2464	rBV	224393	439624	1.56%	0.183%
31	17.568	2474	2479	2485	rVB2	114615	208232	0.74%	0.087%
32	17.921	2530	2539	2541	rBV	100889	186232	0.66%	0.077%
33	17.957	2541	2545	2555	rVB2	366733	650059	2.31%	0.270%
34	18.051	2555	2561	2566	rBV2	99734	164342	0.58%	0.068%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017331.D
Acq On : 24 Oct 2018 23:32
Operator : MJ/SJ
Sample : J5598-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE2

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	18.115	2567	2572	2577	rBV2	245530	468374	1.66%	0.195%
36	18.245	2590	2594	2597	rBV3	87871	119210	0.42%	0.050%
37	18.321	2603	2607	2611	rVB5	59876	85363	0.30%	0.035%
38	18.427	2622	2625	2629	rVV	129507	152948	0.54%	0.064%
39	18.474	2629	2633	2638	rVB2	212818	288096	1.02%	0.120%
40	18.674	2663	2667	2671	rVV2	103009	148014	0.53%	0.062%
41	18.727	2672	2676	2679	rVV	70193	93663	0.33%	0.039%
42	18.768	2679	2683	2687	rVB	114432	147960	0.52%	0.061%
43	18.851	2692	2697	2702	rBV2	226200	477303	1.69%	0.198%
44	18.904	2702	2706	2710	rVB4	93896	176850	0.63%	0.073%
45	18.945	2710	2713	2716	rVB	85180	87483	0.31%	0.036%
46	18.992	2716	2721	2725	rBV	868218	1288958	4.57%	0.536%
47	19.115	2736	2742	2749	rVB	8162345	11225039	39.83%	4.665%
48	19.180	2749	2753	2756	rBV	137633	195732	0.69%	0.081%
49	19.215	2756	2759	2761	rVV2	149330	185353	0.66%	0.077%
50	19.262	2764	2767	2771	rVB2	227074	283510	1.01%	0.118%
51	19.356	2771	2783	2787	rBV3	281824	739361	2.62%	0.307%
52	19.451	2793	2799	2801	rBV2	4894265	7764382	27.55%	3.227%
53	19.480	2801	2804	2812	rVV	11813668	15113881	53.63%	6.281%
54	19.551	2812	2816	2823	rVB2	356518	612543	2.17%	0.255%
55	19.656	2829	2834	2839	rBV	435234	709075	2.52%	0.295%
56	19.715	2840	2844	2849	rVB2	336094	569005	2.02%	0.236%
57	19.804	2853	2859	2866	rBV4	886509	2145079	7.61%	0.891%
58	19.951	2877	2884	2892	rBV3	1015380	3150694	11.18%	1.309%
59	20.074	2901	2905	2908	rBV	315710	337243	1.20%	0.140%
60	20.133	2908	2915	2919	rBV2	1365240	2392589	8.49%	0.994%
61	20.168	2919	2921	2925	rVB	319996	367734	1.30%	0.153%
62	20.215	2925	2929	2933	rVB	222400	289291	1.03%	0.120%
63	20.274	2934	2939	2942	rBV	946193	1261550	4.48%	0.524%
64	20.321	2942	2947	2951	rVV3	577944	907534	3.22%	0.377%
65	20.392	2957	2959	2964	rBV2	116669	148266	0.53%	0.062%
66	20.639	2998	3001	3004	rVB3	303732	317973	1.13%	0.132%
67	20.680	3005	3008	3011	rBV3	229514	288124	1.02%	0.120%
68	20.721	3011	3015	3022	rVV	1529371	2088768	7.41%	0.868%
69	20.886	3037	3043	3047	rBV2	1318251	2398401	8.51%	0.997%
70	20.927	3047	3050	3053	rVV	1579220	1970342	6.99%	0.819%
71	20.962	3053	3056	3062	rVV2	2751841	3915726	13.89%	1.627%

LSC Area Percent Report

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Acq On : 24 Oct 2018 23:32
Operator : MJ/SJ
Sample : J5598-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE2

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	21.021	3062	3066	3070	rVB2	1004396	1328128	4.71%	0.552%
73	21.133	3077	3085	3089	rBV2	513869	1349350	4.79%	0.561%
74	21.233	3094	3102	3108	rBV2	8401033	21019881	74.58%	8.735%
75	21.286	3108	3111	3118	rVB	7555257	10021809	35.56%	4.165%
76	21.403	3127	3131	3137	rBV3	866333	1734396	6.15%	0.721%
77	21.545	3152	3155	3161	rBV2	950463	1473063	5.23%	0.612%
78	21.603	3162	3165	3173	rVB2	743663	1100258	3.90%	0.457%
79	21.739	3184	3188	3190	rBV2	430712	611925	2.17%	0.254%
80	21.792	3191	3197	3201	rVV	1400531	2231627	7.92%	0.927%
81	21.839	3201	3205	3212	rVB3	1279158	2328792	8.26%	0.968%
82	21.915	3215	3218	3225	rVB3	551742	896428	3.18%	0.373%
83	21.986	3226	3230	3233	rBV	870996	1210993	4.30%	0.503%
84	22.086	3243	3247	3251	rVB2	626831	906679	3.22%	0.377%
85	22.262	3273	3277	3280	rBV	574992	833940	2.96%	0.347%
86	22.427	3301	3305	3311	rVB3	719779	1242620	4.41%	0.516%
87	22.544	3319	3325	3337	rVB3	932484	2487381	8.83%	1.034%
88	22.662	3342	3345	3351	rVB2	717116	1210188	4.29%	0.503%
89	22.809	3361	3370	3374	rBV	11633457	28183551	100.00%	11.712%
90	22.962	3392	3396	3402	rVB	1245934	1998607	7.09%	0.831%
91	23.092	3414	3418	3428	rBV	784947	1835330	6.51%	0.763%
92	23.274	3442	3449	3453	rBV	5804849	10795945	38.31%	4.486%
93	23.321	3453	3457	3460	rVV	3125512	5515362	19.57%	2.292%
94	23.362	3460	3464	3471	rVB	5429974	9597915	34.06%	3.989%
95	23.456	3474	3480	3485	rVV	3303504	6625790	23.51%	2.753%
96	23.503	3485	3488	3496	rVB2	1694828	3175727	11.27%	1.320%
97	23.986	3565	3570	3578	rVB3	629948	1291305	4.58%	0.537%
98	25.427	3811	3815	3823	rVB4	607855	1388728	4.93%	0.577%
99	25.662	3847	3855	3867	rVB	2806187	7843621	27.83%	3.260%
100	26.338	3962	3970	3981	rVB	1534982	4317072	15.32%	1.794%

Sum of corrected areas: 240634504

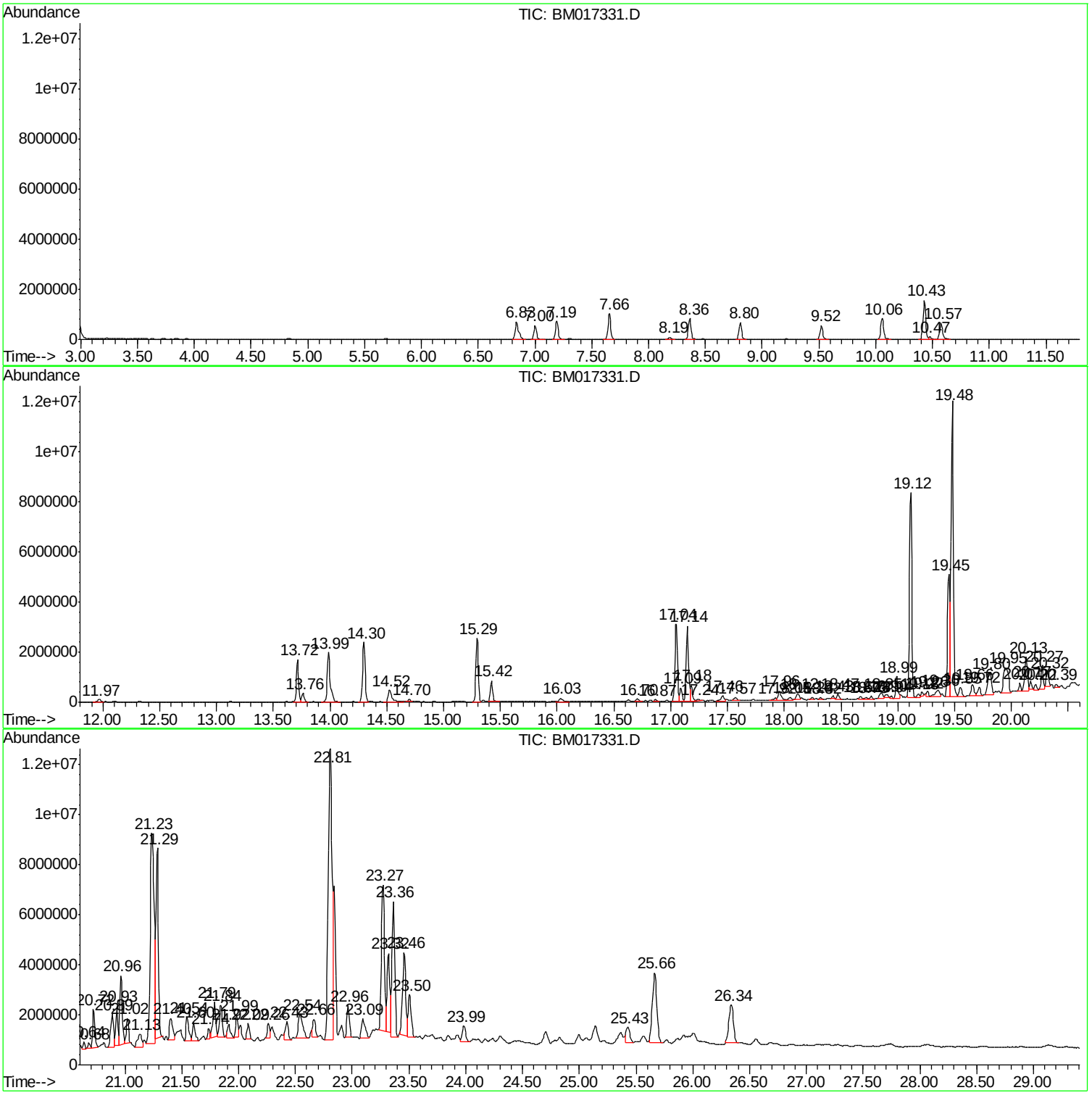
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017331.D
Acq On : 24 Oct 2018 23:32
Operator : MJ/SJ
Sample : J5598-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE2

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 : BM017331.D
Acq On : 24 Oct 2018 23:32
Operator : MJ/SJ
Sample : J5598-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AE2

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

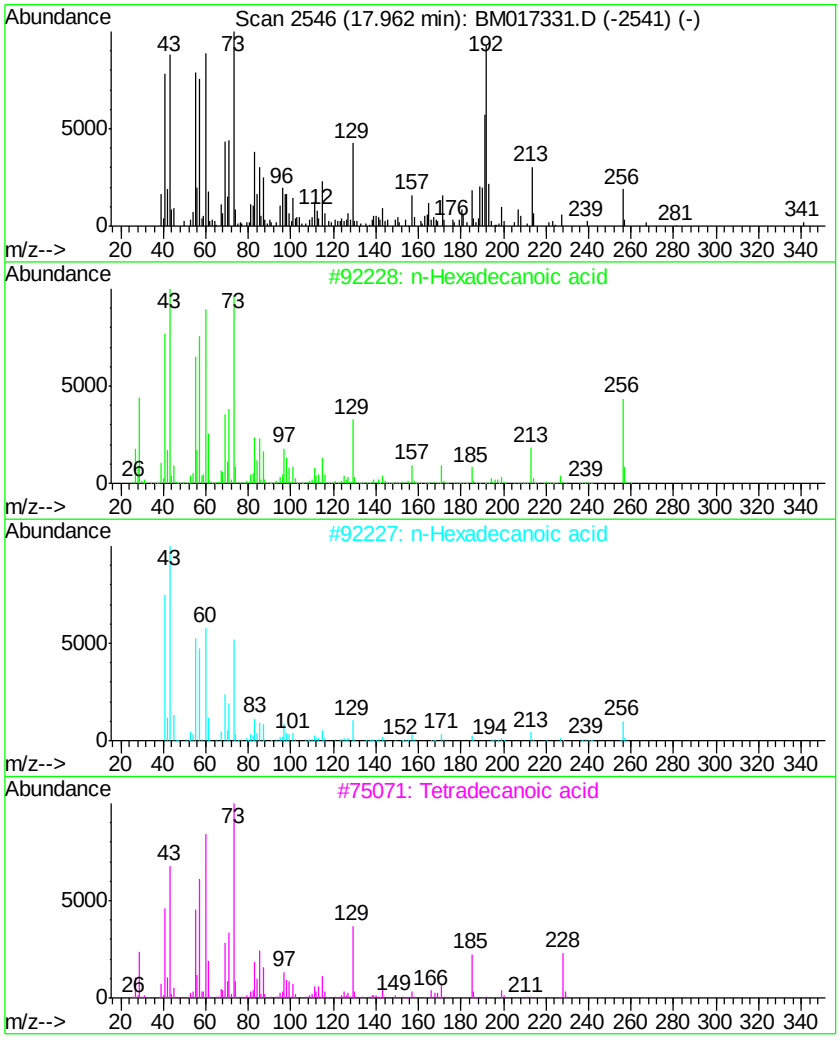
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

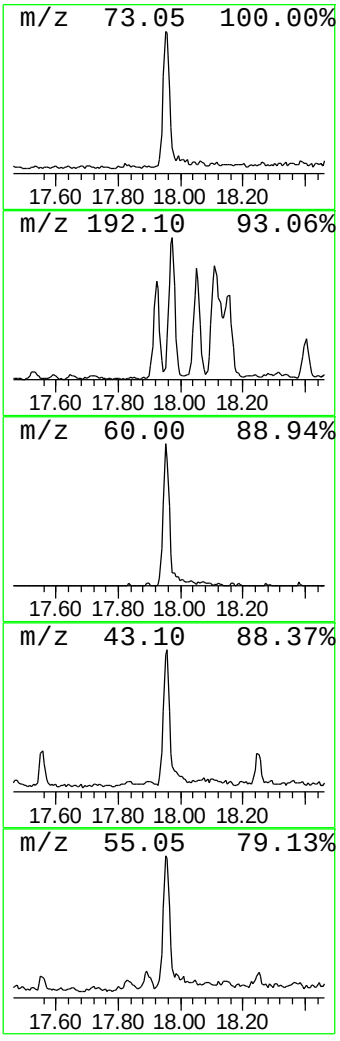
****

Peak Number 1 n-Hexadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	2.84 ng/ul	650059	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
4	Tridecanoic acid	214	C13H26O2	000638-53-9	76
5	Dodecanoic acid	200	C12H24O2	000143-07-7	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017331.D
Acq On : 24 Oct 2018 23:32
Operator : MJ/SJ
Sample : J5598-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE2

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

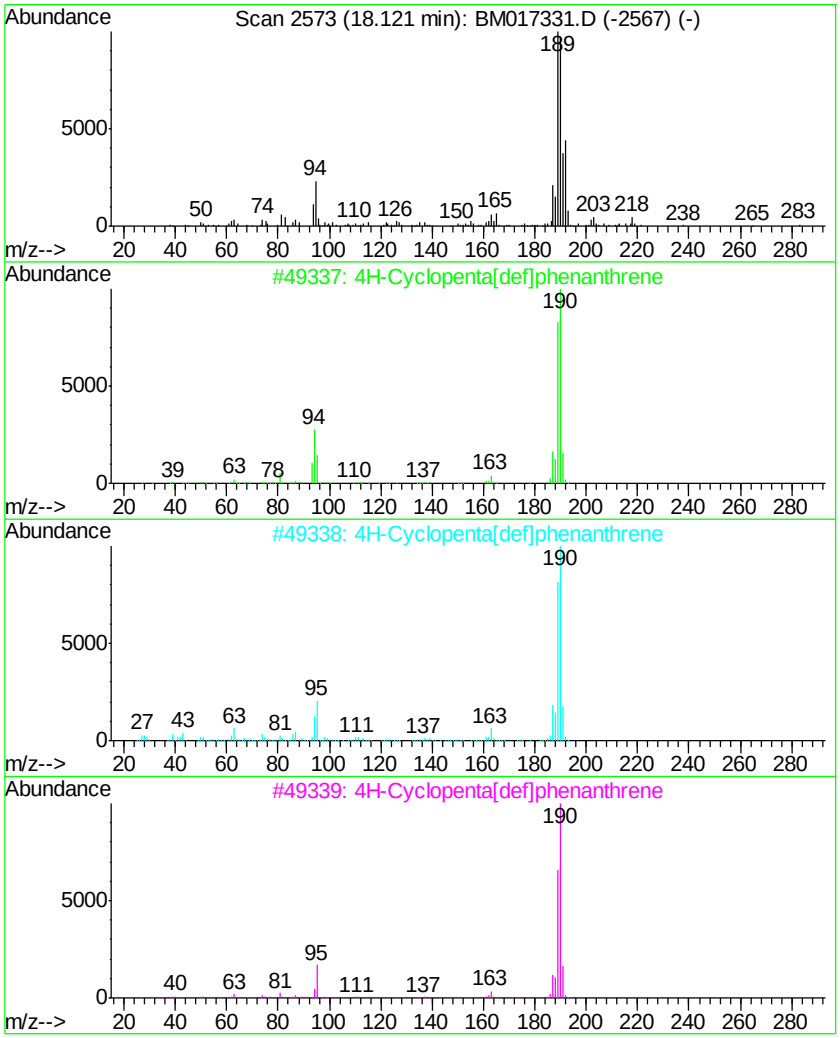
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

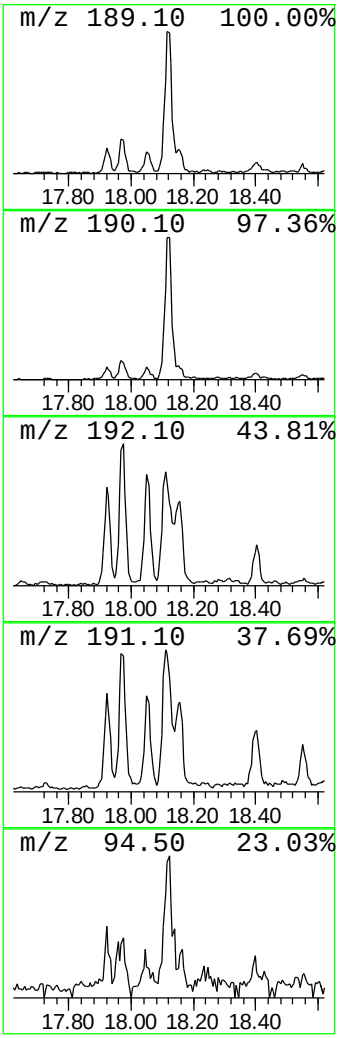
****

Peak Number 2 4H-Cyclopenta[def]phenanthrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	2.04 ng/ul	468374	Phenanthrene-d10	17.04

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	58
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
5	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	47





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017331.D
Acq On : 24 Oct 2018 23:32
Operator : MJ/SJ
Sample : J5598-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE2

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

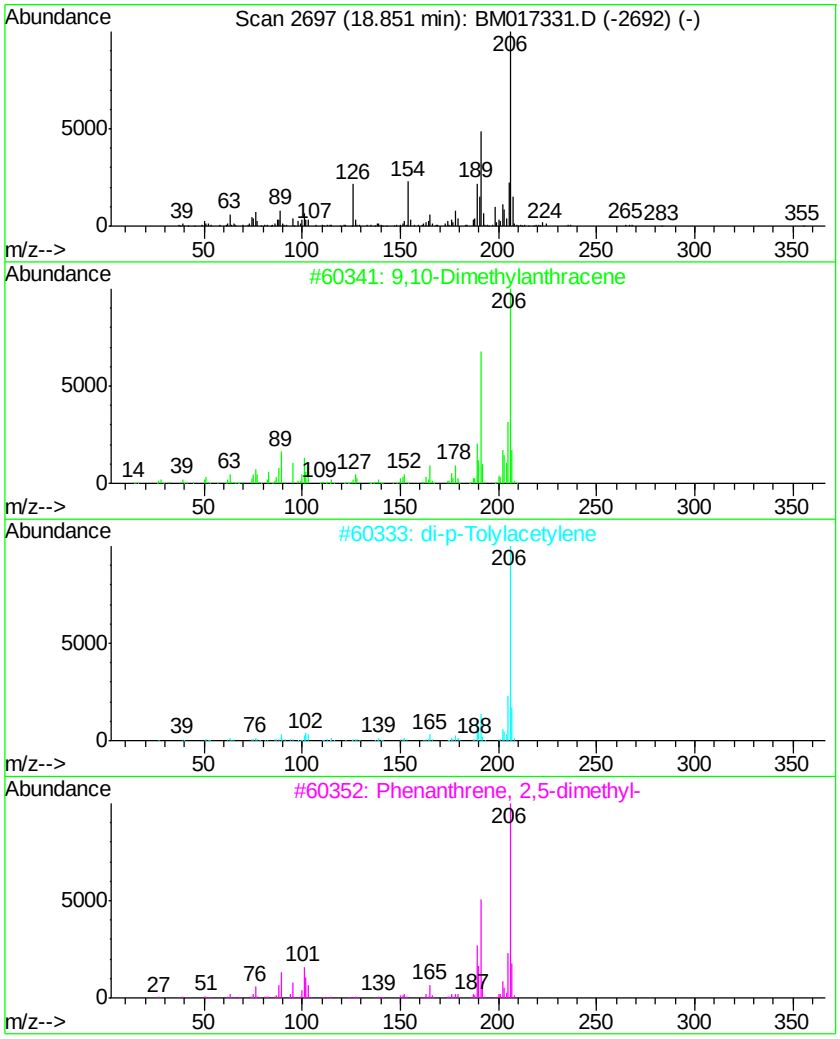
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

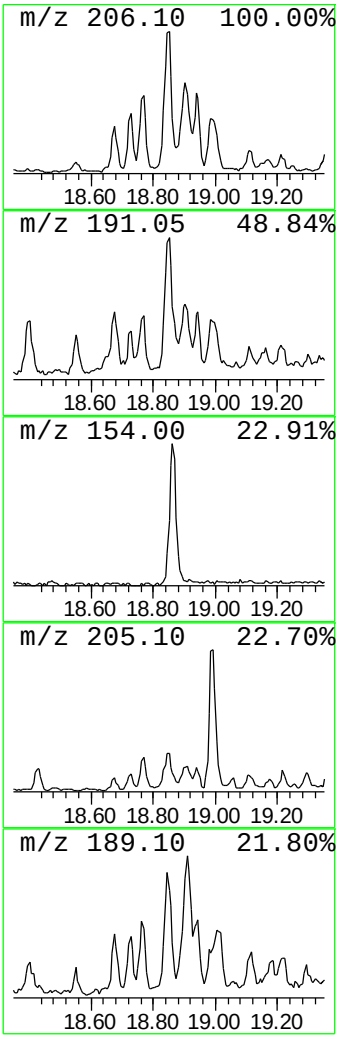
****

Peak Number 3 9,10-Dimethylanthracene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	2.08 ng/ul	477303	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	86
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	76
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017331.D
Acq On : 24 Oct 2018 23:32
Operator : MJ/SJ
Sample : J5598-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE2

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

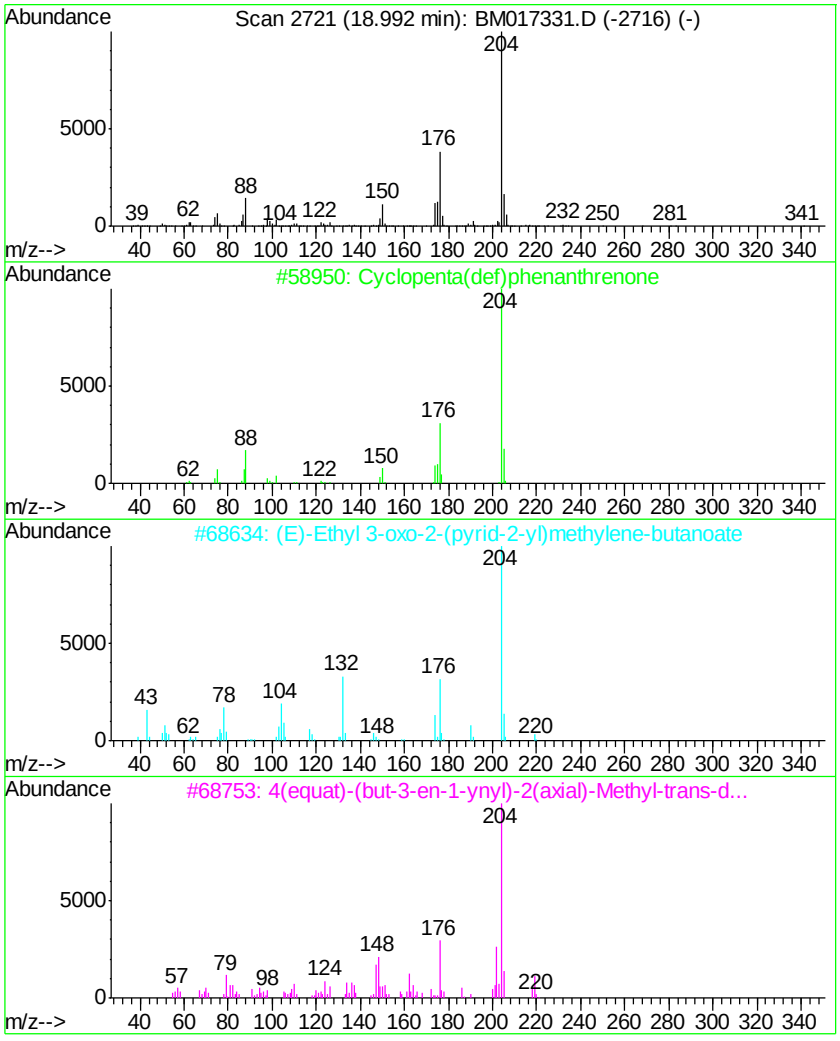
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

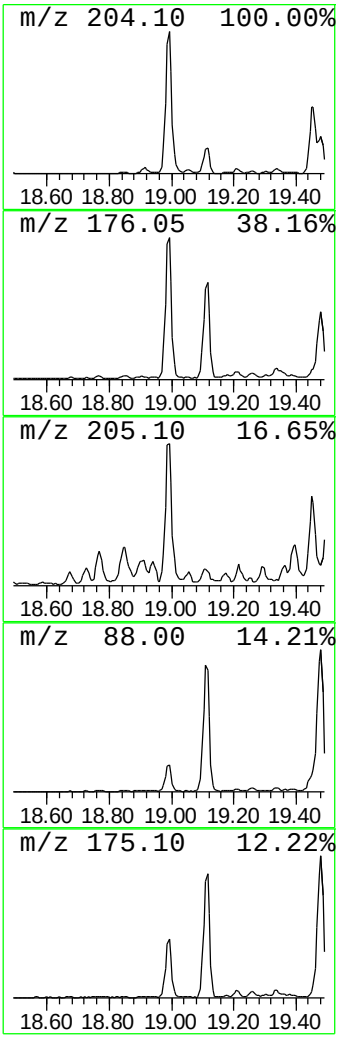
****

Peak Number 4 Cyclopenta(def)phenanthrenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	5.63 ng/ul	1288960	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	50
3	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	45
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	40
5	6-Phenyl-2-thiouracil	204	C10H8N2OS	005590-94-3	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\
Data File : BM017331.D
Acq On : 24 Oct 2018 23:32
Operator : MJ/SJ
Sample : J5598-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE2

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

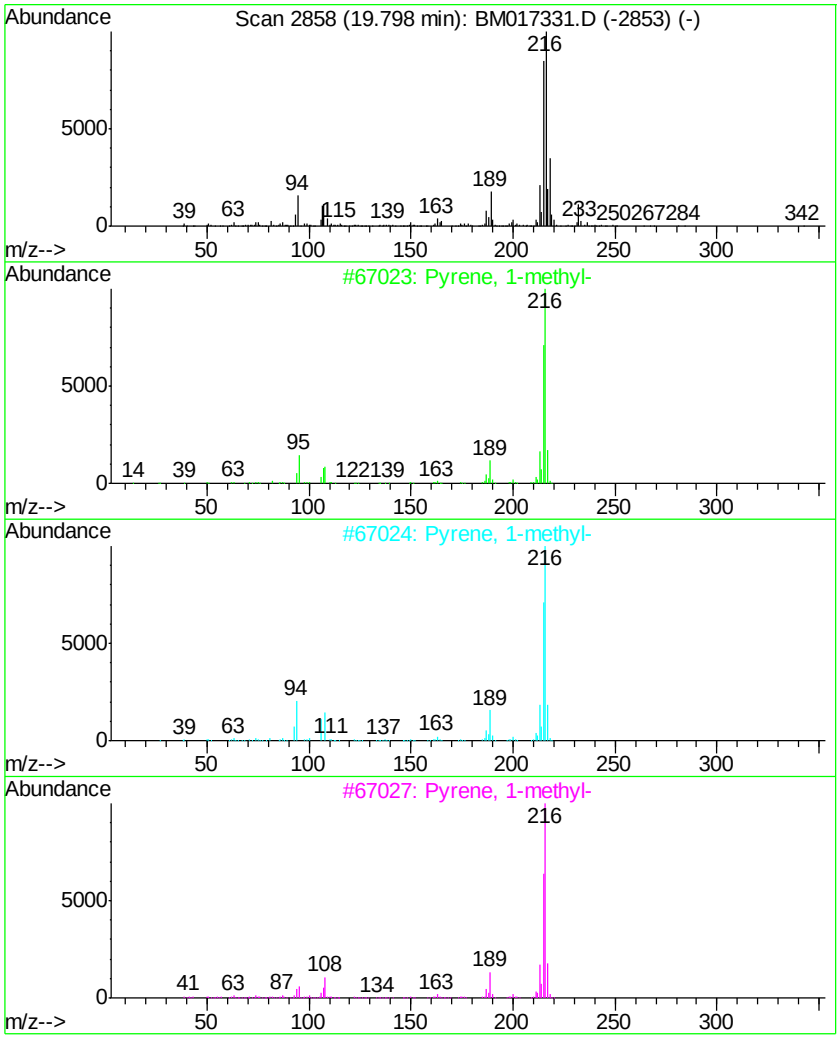
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

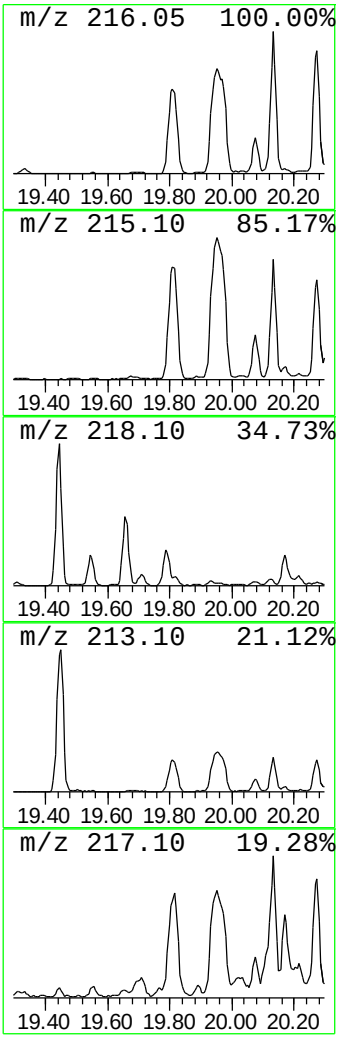
****

Peak Number 5 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.80	2.04 ng/ul	2145080	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90





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Data File : BM017331.D
Acq On : 24 Oct 2018 23:32
Operator : MJ/SJ
Sample : J5598-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE2

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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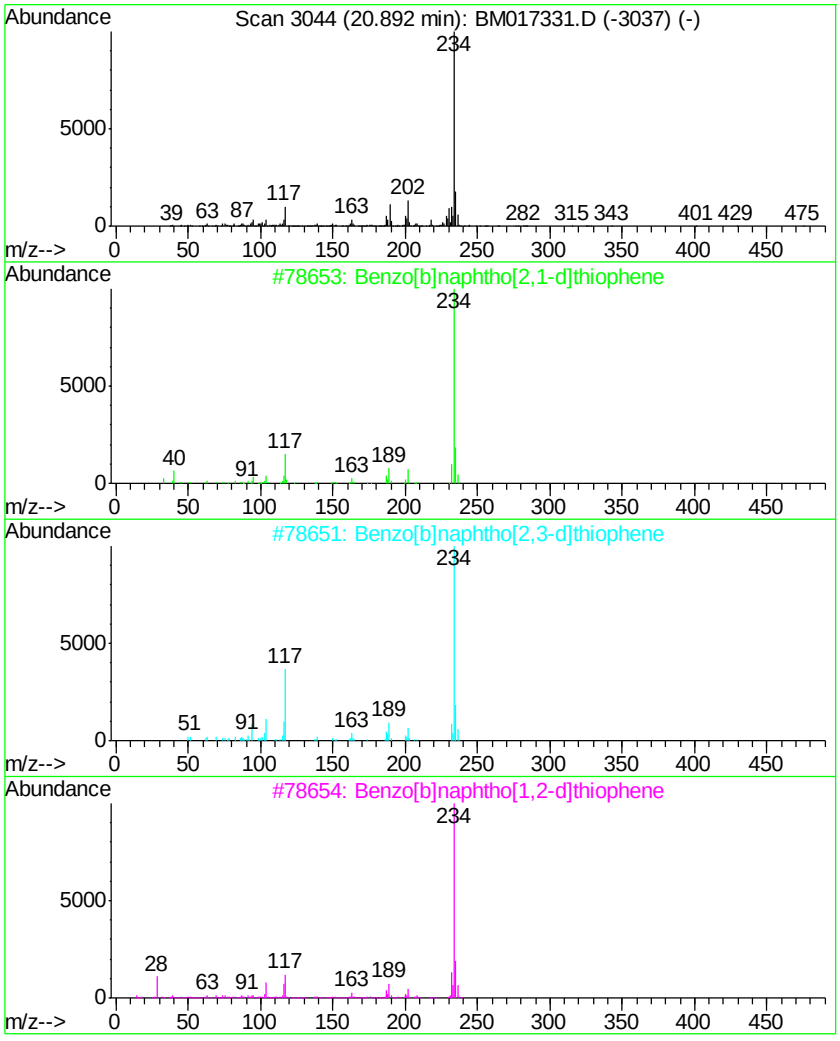
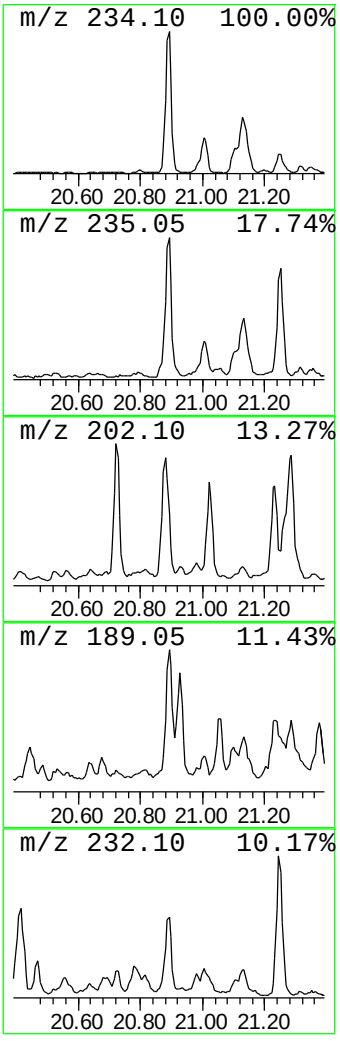
Peak Number 8 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.89	2.28 ng/ul	2398400	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	70
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	64
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	62
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	62





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Operator : MJ/SJ
Sample : J5598-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE2

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

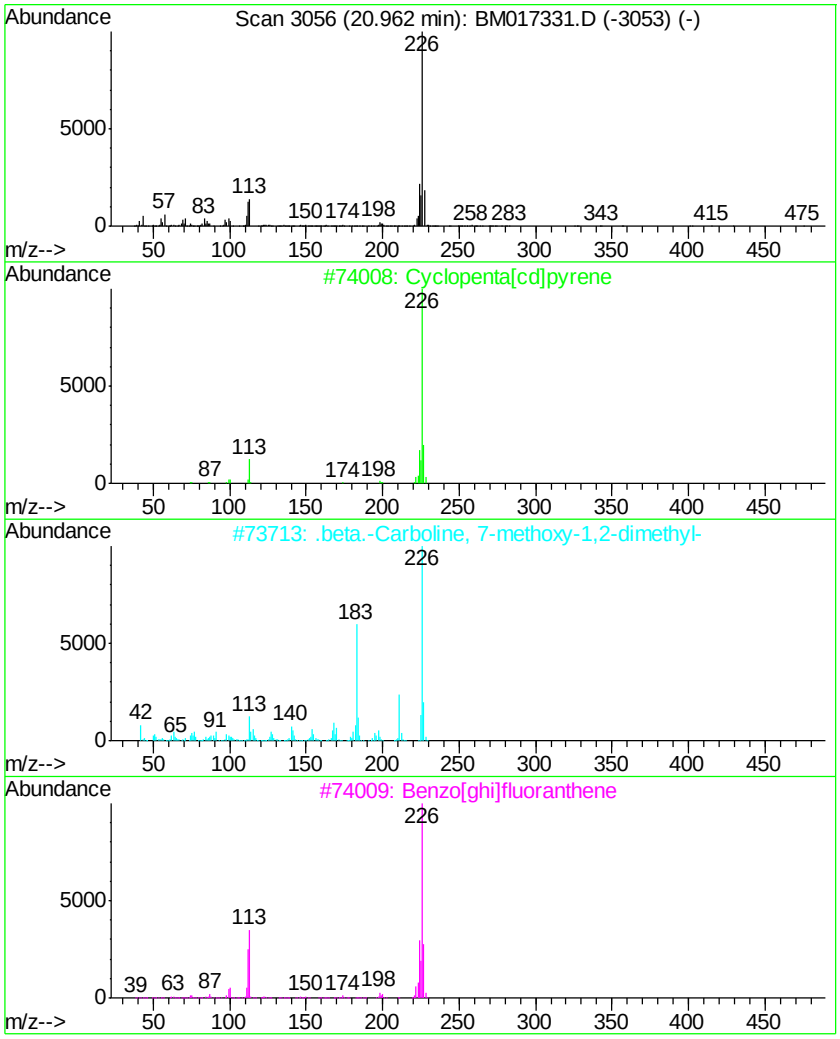
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

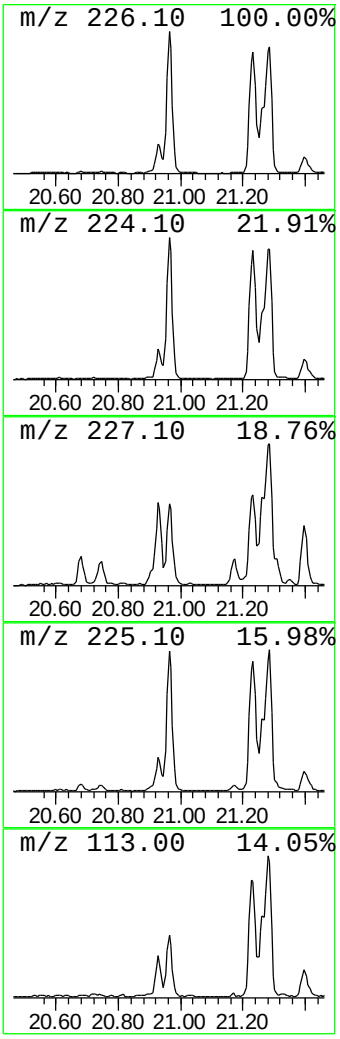
****

Peak Number 9 Cyclopenta[cd]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.96	3.73 ng/ul	3915730	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	93
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	58
3	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	43
4	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	38
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	33





Library Search Compound Report

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Acq On : 24 Oct 2018 23:32
Operator : MJ/SJ
Sample : J5598-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE2

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

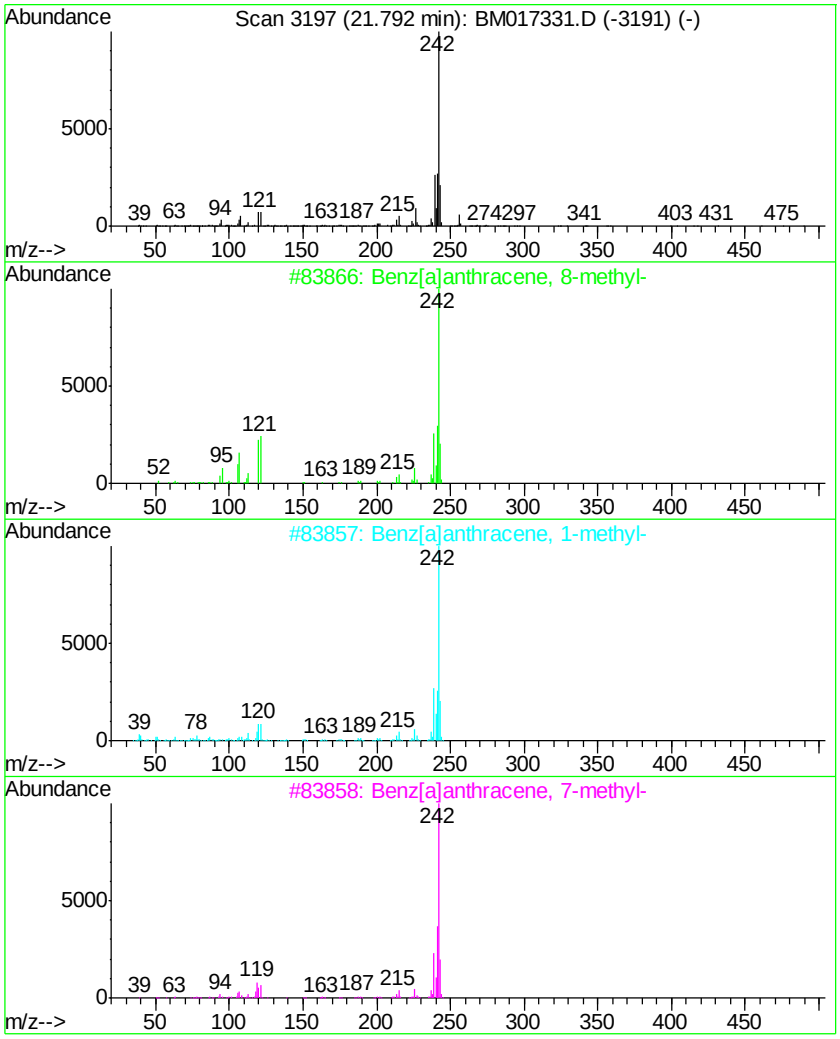
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

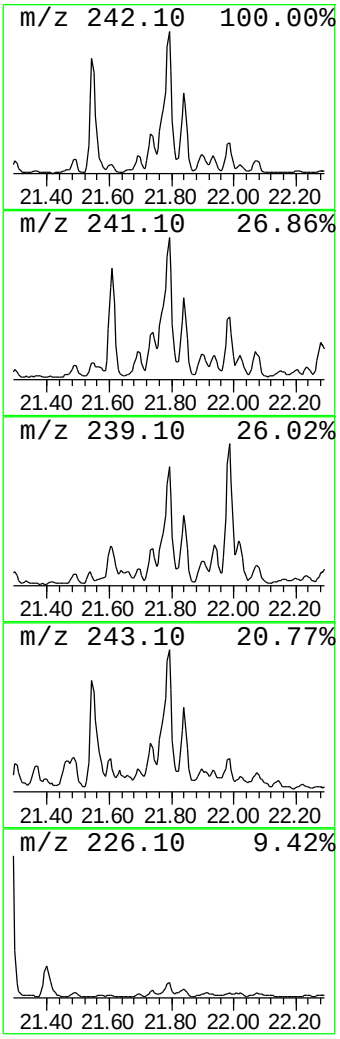
****

Peak Number 10 Benz[a]anthracene, 8-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.79	2.12 ng/ul	2231630	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	95
2	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	94
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
5	Chrysene, 6-methyl-	242	C19H14	001705-85-7	93





Library Search Compound Report

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Acq On : 24 Oct 2018 23:32
Operator : MJ/SJ
Sample : J5598-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE2

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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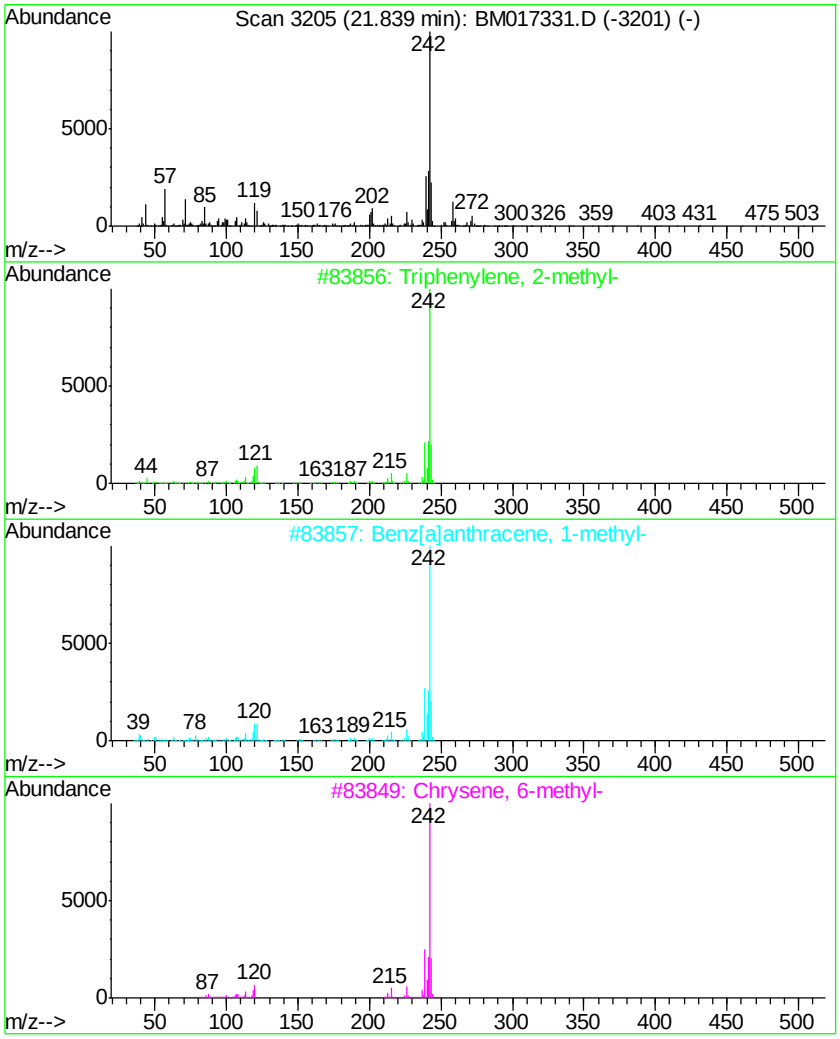
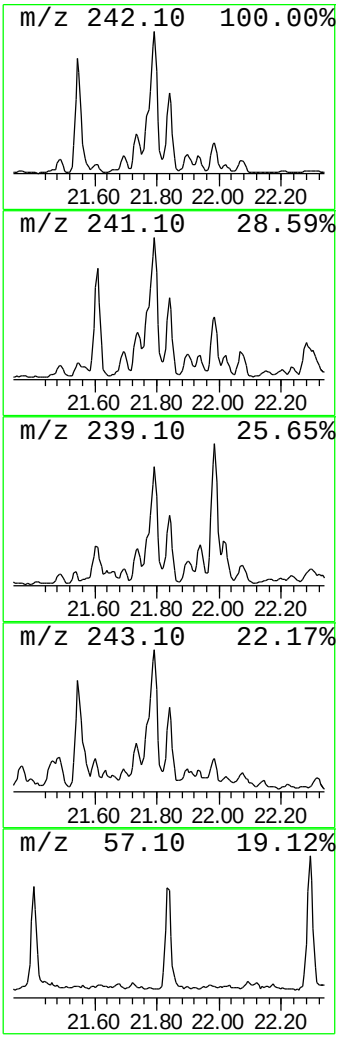
Peak Number 11 Triphenylene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.84	2.22 ng/ul	2328790	Chrysene-d12	21.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	96
2	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	96
3	Chrysene, 6-methyl-	242	C19H14	001705-85-7	95
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93





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Acq On : 24 Oct 2018 23:32
Operator : MJ/SJ
Sample : J5598-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE2

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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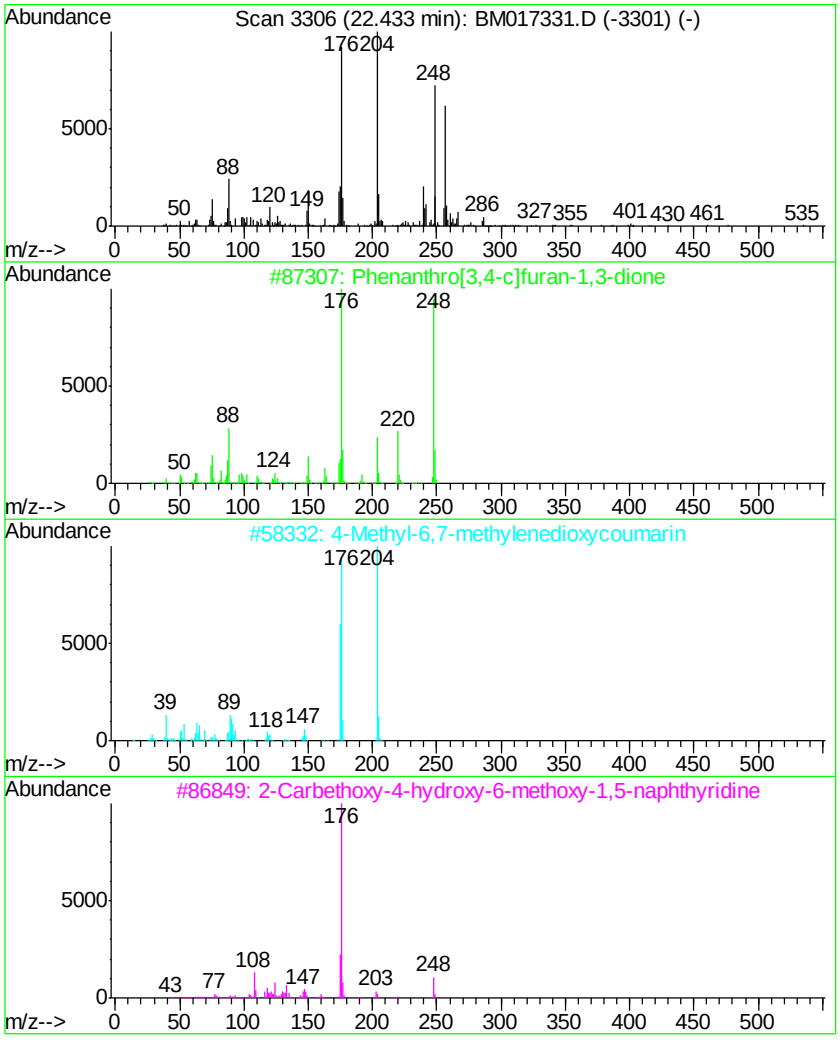
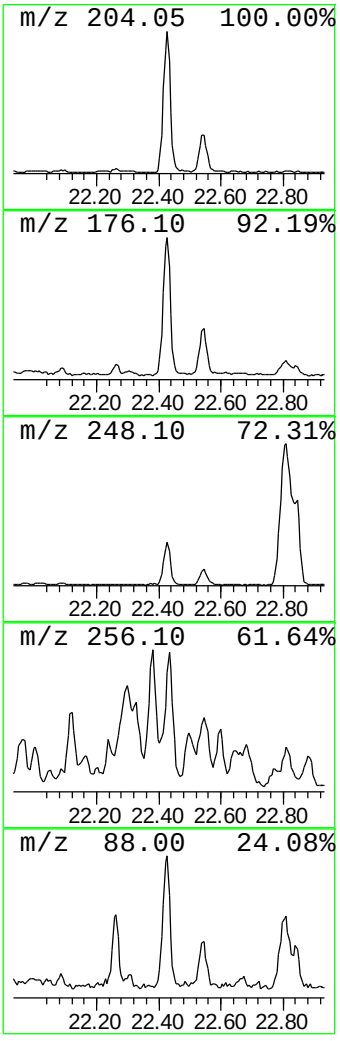
Peak Number 12 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.43	3.75 ng/ul	1242620	Perylene-d12	23.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthro[3,4-c]furan-1,3-dione	248	C16H8O3	005723-54-6	49
2	4-Methyl-6,7-methylenedioxycoumarin	204	C11H8O4	015071-04-2	46
3	2-Carbethoxy-4-hydroxy-6-methoxy...	248	C12H12N2O4	1000227-07-7	43
4	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	30
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	22





Library Search Compound Report

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Data File : BM017331.D
Acq On : 24 Oct 2018 23:32
Operator : MJ/SJ
Sample : J5598-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE2

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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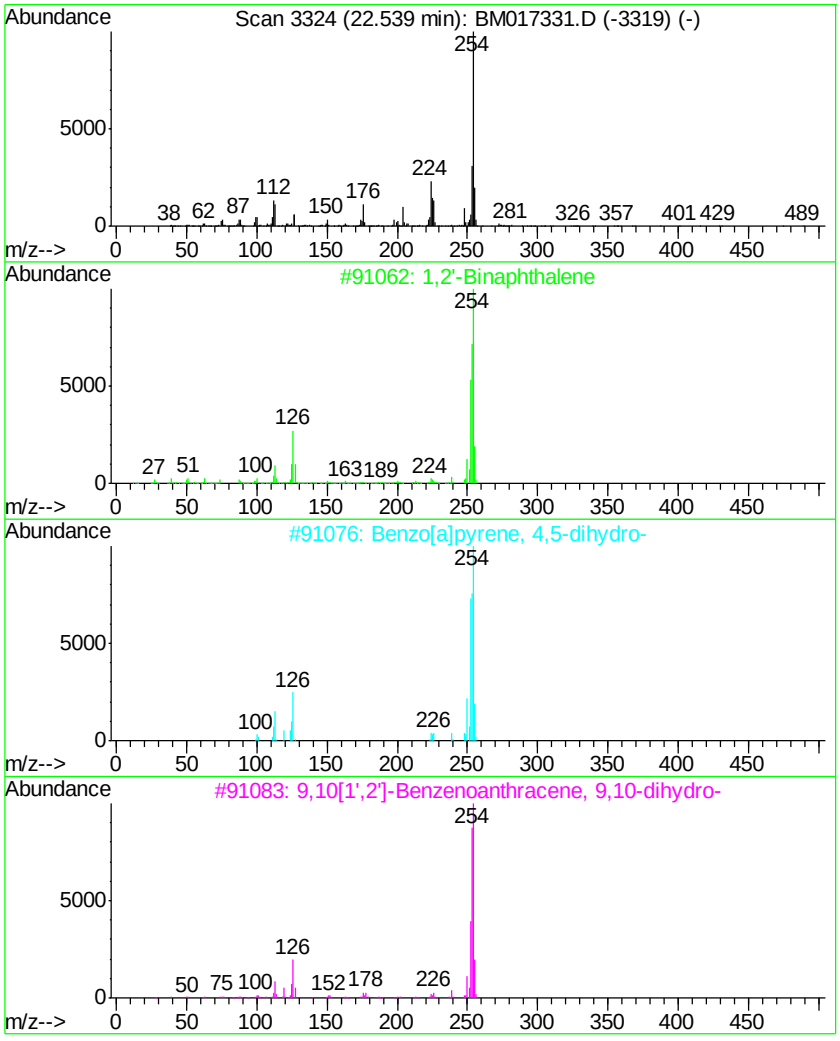
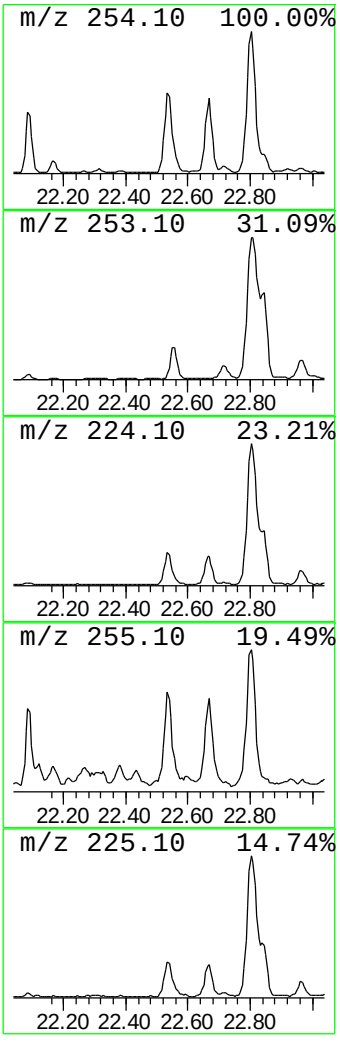
Peak Number 13 1,2'-Binaphthalene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.54	7.51 ng/ul	2487380	Perylene-d12	23.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2'-Binaphthalene	254	C20H14	004325-74-0	81
2	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	74
3	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	72
4	1,2'-Binaphthalene	254	C20H14	004325-74-0	72
5	1,1'-Binaphthalene	254	C20H14	000604-53-5	72





Library Search Compound Report

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Operator : MJ/SJ
Sample : J5598-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE2

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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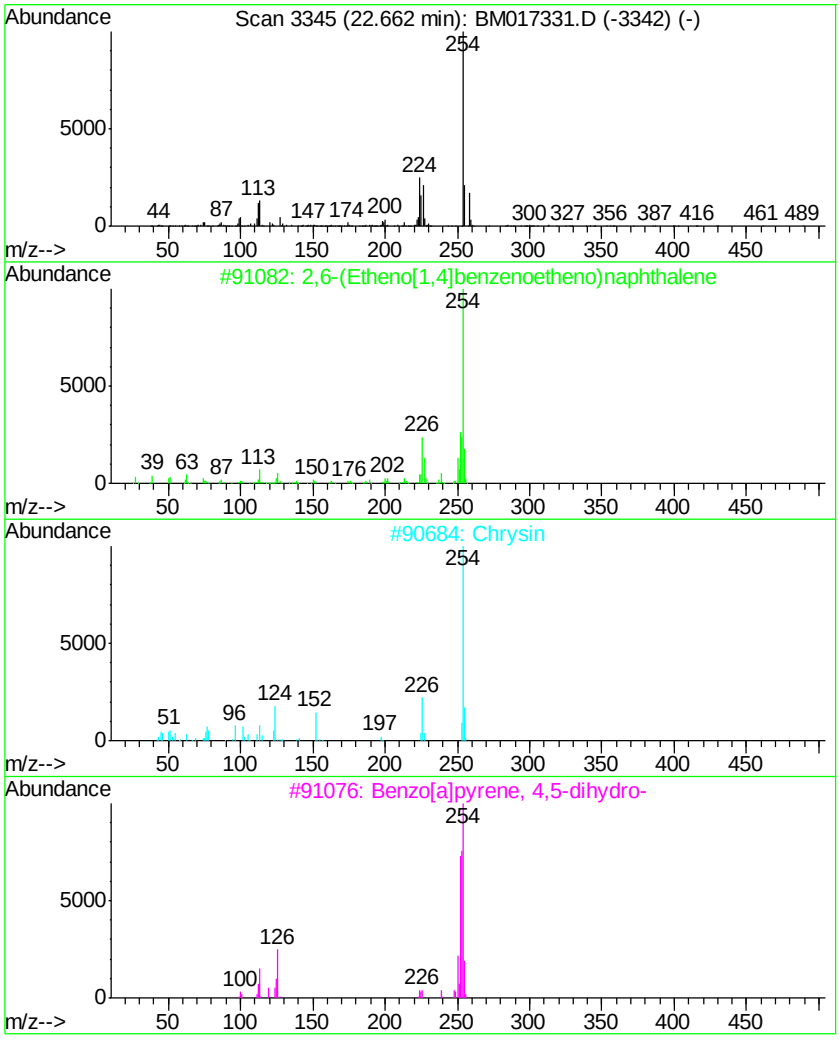
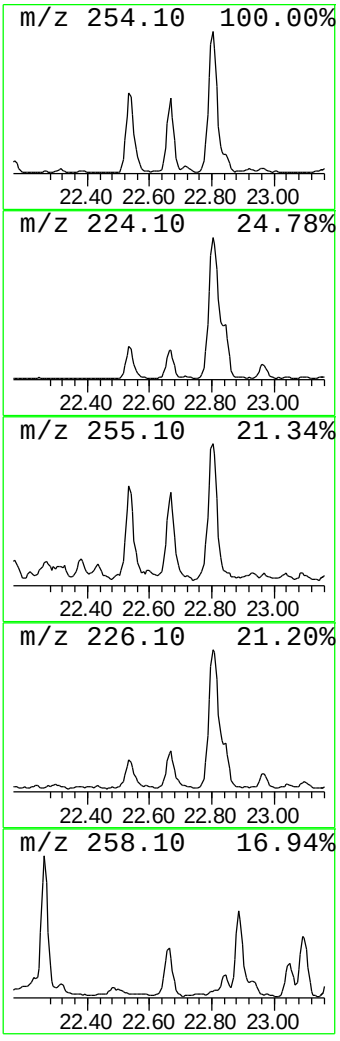
Peak Number 14 2,6-(Etheno[1,4]benzenoethe... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.66	3.65 ng/ul	1210190	Perylene-d12	23.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-(Etheno[1,4]benzenoetheno)na...	254	C20H14	117054-70-3	59
2	Chrysin	254	C15H10O4	000480-40-0	58
3	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	53
4	2,6-Di(2-furylmethylidene)cycloh...	254	C16H14O3	000893-00-5	53
5	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	50





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Operator : MJ/SJ
Sample : J5598-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE2

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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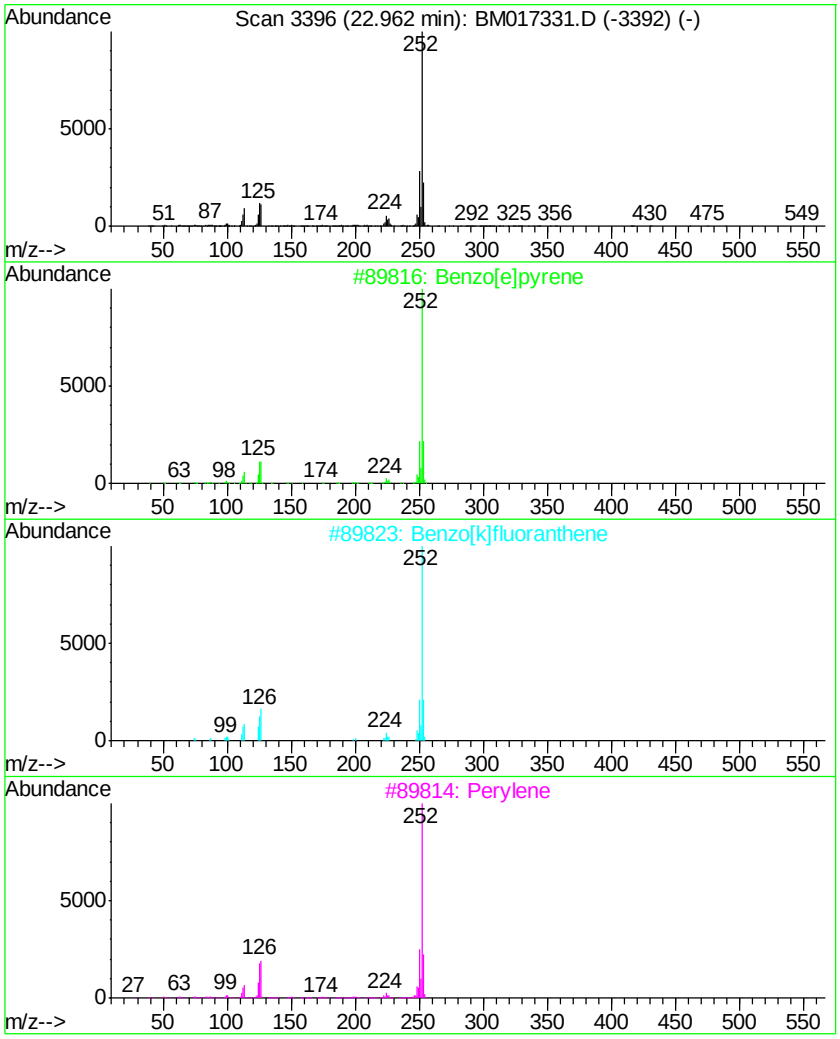
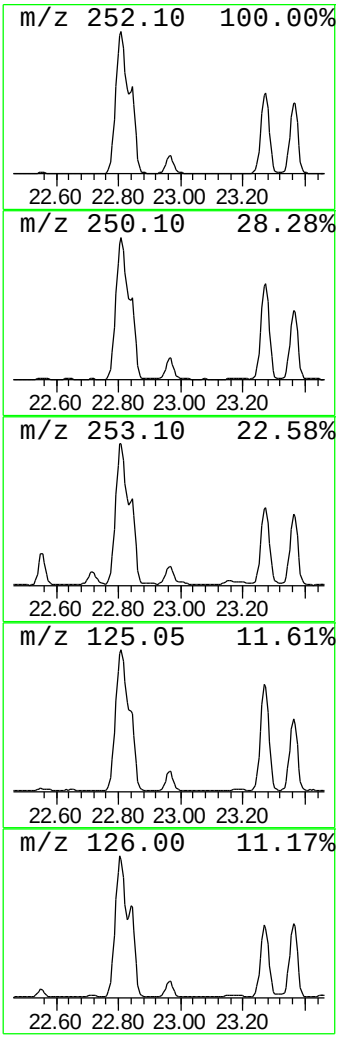
Peak Number 15 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.96	6.03 ng/ul	1998610	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	98
3	Perylene	252	C20H12	000198-55-0	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





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Sample : J5598-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE2

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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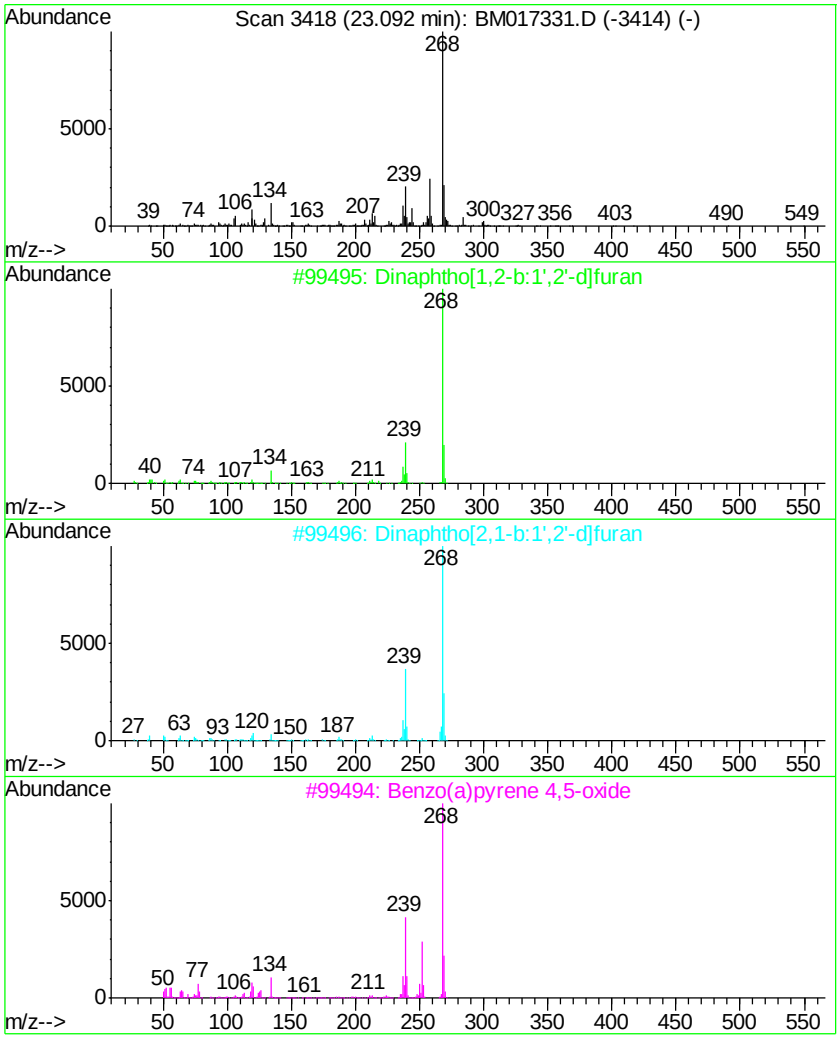
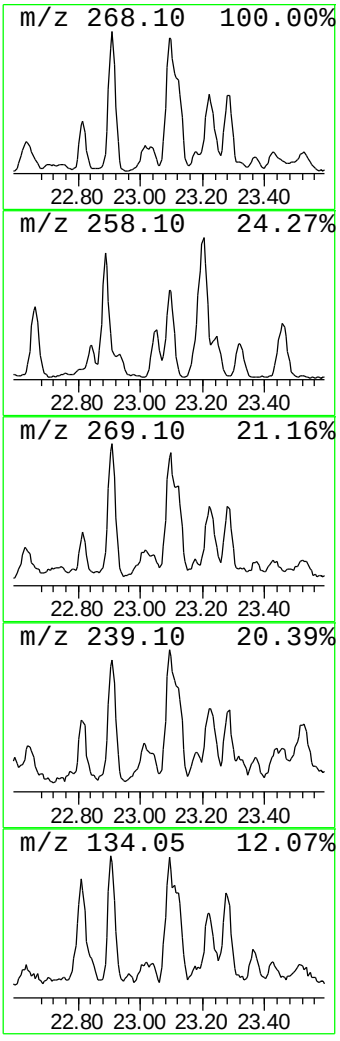
Peak Number 16 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.09	5.54 ng/ul	1835330	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	81
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	68
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	59
4	Benzo[c]pyren-6,7-diol, 4,5-dihy...	433	C29H23NO3	1000124-59-9	53
5	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	53





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Sample : J5598-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE2

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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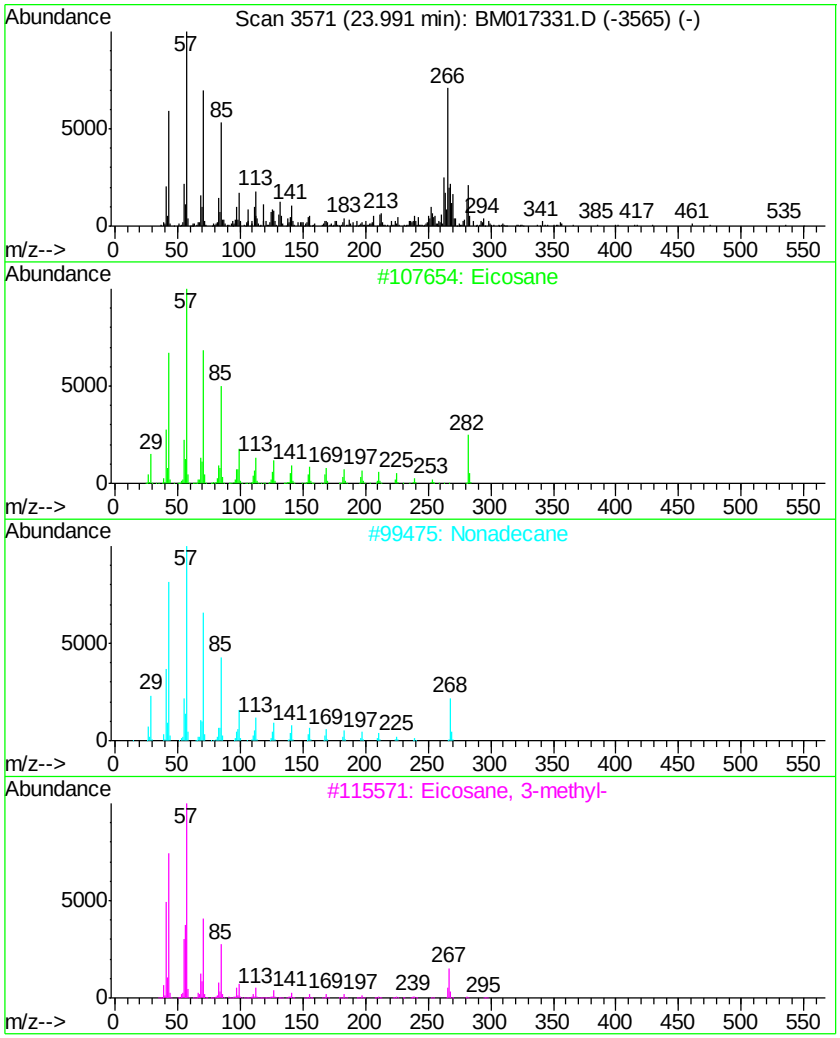
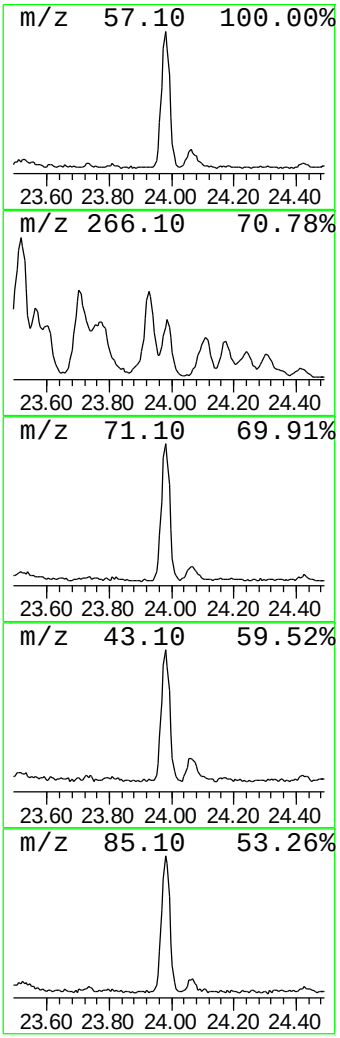
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.99	3.90 ng/ul	1291310	Perylene-d12	23.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	58
2	Nonadecane	268	C19H40	000629-92-5	46
3	Eicosane, 3-methyl-	296	C21H44	006418-46-8	22
4	Benzoic acid, 2-[(trimethylsilyl...	281	C13H23NO2Si2	018406-07-0	22
5	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	15





Tentatively Identified Compound (LSC) summary

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Sample : J5598-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AE2

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
n-Hexadecanoic acid	17.96	2.8	ng/ul	650059	4	17.04	4582090	20.0
4H-Cyclopenta[def...	18.12	2.0	ng/ul	468374	4	17.04	4582090	20.0
9,10-Dimethylanth...	18.85	2.1	ng/ul	477303	4	17.04	4582090	20.0
Cyclopenta(def)ph...	18.99	5.6	ng/ul	1288960	4	17.04	4582090	20.0
Pyrene, 1-methyl-	19.80	2.0	ng/ul	2145080	5	21.24	21019900	20.0
Benzo[b]naphtho[2...	20.89	2.3	ng/ul	2398400	5	21.24	21019900	20.0
Cyclopenta[cd]pyrene	20.96	3.7	ng/ul	3915730	5	21.24	21019900	20.0
Benz[a]anthracene...	21.79	2.1	ng/ul	2231630	5	21.24	21019900	20.0
Triphenylene, 2-m...	21.84	2.2	ng/ul	2328790	5	21.24	21019900	20.0
unknown-01	22.43	3.8	ng/ul	1242620	6	23.46	6625790	20.0
1,2'-Binaphthalene	22.54	7.5	ng/ul	2487380	6	23.46	6625790	20.0
2,6-(Etheno[1,4]b...	22.66	3.6	ng/ul	1210190	6	23.46	6625790	20.0
Benzo[e]pyrene	22.96	6.0	ng/ul	1998610	6	23.46	6625790	20.0
Dinaphtho[1,2-b:1...	23.09	5.5	ng/ul	1835330	6	23.46	6625790	20.0
(DEL) Alkane: Str...	23.99	3.9	ng/ul	1291310	6	23.46	6625790	20.0