LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014354.D
Acq On : 26 Feb 2018 13:47
Operator : SJ/JU
Sample : J1646-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X9

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.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	4.681	284	288	290	rBV2	43344	60966	1.23%	0.098%
2	6.716	627	634	652	rBV	372166	799705	16.09%	1.288%
3	6.875	655	661	671	rBV	293141	495624	9.97%	0.798%
4	7.063	686	693	704	rBV	434428	760710	15.31%	1.225%
5	7.528	765	772	782	rBV	263025	472253	9.50%	0.760%
6	8.239	887	893	907	rBV	501020	947836	19.07%	1.526%
7	8.681	960	968	979	rBV	469629	855025	17.21%	1.377%
8	9.398	1083	1090	1100	rBV2	419971	760222	15.30%	1.224%
9	9.933	1173	1181	1195	rBV	539592	1064844	21.43%	1.714%
10	10.292	1234	1242	1248	rBV	420108	686196	13.81%	1.105%
11	10.451	1262	1269	1288	rBV	403872	911287	18.34%	1.467%
12	13.604	1799	1805	1809	rBV	1258127	1715790	34.53%	2.763%
13	13.651	1809	1813	1821	rVB	281765	407196	8.19%	0.656%
14	13.868	1843	1850	1863	rBV	1350489	2055375	41.36%	3.309%
15	14.180	1895	1903	1909	rBV2	639146	975772	19.64%	1.571%
16	14.245	1909	1914	1920	rVB2	93590	135534	2.73%	0.218%
17	14.433	1938	1946	1968	rBV2	243380	721050	14.51%	1.161%
18	14.592	1968	1973	1978	rVB2	58094	90265	1.82%	0.145%
19	15.045	2043	2050	2055	rVB5	45166	81843	1.65%	0.132%
20	15.180	2067	2073	2079	rBV	1749989	2519415	50.70%	4.056%
21	15.239	2079	2083	2089	rVB	116118	186765	3.76%	0.301%
22	15.333	2094	2099	2109	rBV	525745	900860	18.13%	1.450%
23	15.457	2116	2120	2130	rVB	160428	242549	4.88%	0.391%
24	15.539	2130	2134	2142	rVB5	36044	71017	1.43%	0.114%
25	15.686	2150	2159	2165	rBV5	36391	79244	1.59%	0.128%
26	15.915	2191	2198	2205	rBV6	97440	218049	4.39%	0.351%
27	16.251	2246	2255	2259	rBV7	38354	87143	1.75%	0.140%
28	16.604	2310	2315	2320	rVV2	59932	79518	1.60%	0.128%
29	16.704	2329	2332	2336	rVV4	37510	57809	1.16%	0.093%
30	16.757	2336	2341	2348	rVB	79215	130229	2.62%	0.210%
31	16.939	2366	2372	2375	rBV	968124	1343393	27.03%	2.163%
32	16.980	2375	2379	2384	rVV	1619734	2202450	44.32%	3.546%
33	17.039	2384	2389	2393	rVV	2267470	3219929	64.80%	5.184%
34	17.074	2393	2395	2401	rVB	332916	384198	7.73%	0.619%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014354.D
Acq On : 26 Feb 2018 13:47
Operator : SJ/JU
Sample : J1646-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X9

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Title : SVOA CALIBRATION

35	17.145	2401	2407	2412	rBV6	29900	56063	1.13%	0.090%
36	17.357	2435	2443	2451	rBV2	151248	290717	5.85%	0.468%
37	17.815	2516	2521	2524	rBV	180503	267180	5.38%	0.430%
38	17.862	2524	2529	2538	rVV3	272752	622678	12.53%	1.003%
39	17.951	2538	2544	2549	rVV	84025	140409	2.83%	0.226%
40	18.009	2549	2554	2558	rVV2	276944	494563	9.95%	0.796%
41	18.051	2558	2561	2566	rVB2	130558	181665	3.66%	0.292%
42	18.321	2603	2607	2613	rBV	135663	205799	4.14%	0.331%
43	18.380	2613	2617	2625	rVB2	111936	170966	3.44%	0.275%
44	18.568	2641	2649	2655	rBV4	55223	110549	2.22%	0.178%
45	18.621	2655	2658	2662	rBV2	38665	53139	1.07%	0.086%
46	18.662	2662	2665	2672	rVB3	39483	54221	1.09%	0.087%
47	18.745	2673	2679	2684	rBV2	107064	197350	3.97%	0.318%
48	18.809	2684	2690	2692	rBV6	53860	90006	1.81%	0.145%
49	18.892	2698	2704	2711	rBV4	78976	163903	3.30%	0.264%
50	19.009	2714	2724	2731	rBV	2553515	3409490	68.61%	5.490%
51	19.115	2738	2742	2744	rBV5	39185	53462	1.08%	0.086%
52	19.250	2757	2765	2769	rBV3	93661	193270	3.89%	0.311%
53	19.345	2776	2781	2784	rBV	3525331	4969306	100.00%	8.001%
54	19.374	2784	2786	2795	rVV	2243010	2651668	53.36%	4.269%
55	19.451	2795	2799	2806	rVB2	116611	202911	4.08%	0.327%
56	19.562	2812	2818	2822	rBV	111974	174005	3.50%	0.280%
57	19.627	2824	2829	2834	rVB2	88499	143794	2.89%	0.232%
58	19.709	2837	2843	2850	rBV5	128202	329865	6.64%	0.531%
59	19.845	2861	2866	2868	rVV4	107435	189004	3.80%	0.304%
60	19.880	2868	2872	2880	rVB	264315	415386	8.36%	0.669%
61	19.980	2885	2889	2893	rBV	186813	219769	4.42%	0.354%
62	20.033	2893	2898	2902	rBV2	180330	296622	5.97%	0.478%
63	20.180	2918	2923	2926	rBV2	104323	158353	3.19%	0.255%
64	20.221	2926	2930	2935	rBV3	109851	164977	3.32%	0.266%
65	20.450	2963	2969	2970	rBV5	27493	56773	1.14%	0.091%
66	20.509	2976	2979	2983	rVB4	42917	56354	1.13%	0.091%
67	20.597	2990	2994	2997	rBV6	41558	74515	1.50%	0.120%
68	20.639	2997	3001	3006	rVB	160114	228338	4.59%	0.368%
69	20.792	3024	3027	3030	rBV	178981	220300	4.43%	0.355%
70	20.833	3030	3034	3037	rVV	183956	240502	4.84%	0.387%
71	20.874	3037	3041	3046	rVV4	222584	426618	8.59%	0.687%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014354.D
Acq On : 26 Feb 2018 13:47
Operator : SJ/JU
Sample : J1646-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X9

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Title : SVOA CALIBRATION

72	20.933	3048	3051	3057	rVB	184887	243029	4.89%	0.391%
73	21.033	3066	3068	3074	rVB3	47916	62080	1.25%	0.100%
74	21.145	3078	3087	3091	rBV2	2066860	4116854	82.85%	6.628%
75	21.186	3091	3094	3105	rVB	1121807	1442688	29.03%	2.323%
76	21.303	3110	3114	3119	rBV	192294	265291	5.34%	0.427%
77	21.474	3137	3143	3147	rBV2	118850	193885	3.90%	0.312%
78	21.639	3168	3171	3175	rBV4	62512	101820	2.05%	0.164%
79	21.692	3177	3180	3184	rVB	191612	238921	4.81%	0.385%
80	21.880	3209	3212	3215	rBV2	94276	130633	2.63%	0.210%
81	22.174	3259	3262	3266	rVB5	89934	121144	2.44%	0.195%
82	22.674	3341	3347	3352	rBV	840409	1882622	37.89%	3.031%
83	22.839	3372	3375	3381	rVB	160662	242568	4.88%	0.391%
84	23.133	3420	3425	3428	rBV	444633	741710	14.93%	1.194%
85	23.186	3428	3434	3438	rVV	2476594	4281943	86.17%	6.894%
86	23.227	3438	3441	3448	rVB	764689	1180235	23.75%	1.900%
87	23.315	3451	3456	3462	rBV2	950514	1690587	34.02%	2.722%
88	25.468	3815	3822	3832	rVB2	311950	810730	16.31%	1.305%
89	26.127	3926	3934	3945	rBV3	183108	667132	13.43%	1.074%

Sum of corrected areas: 62108423

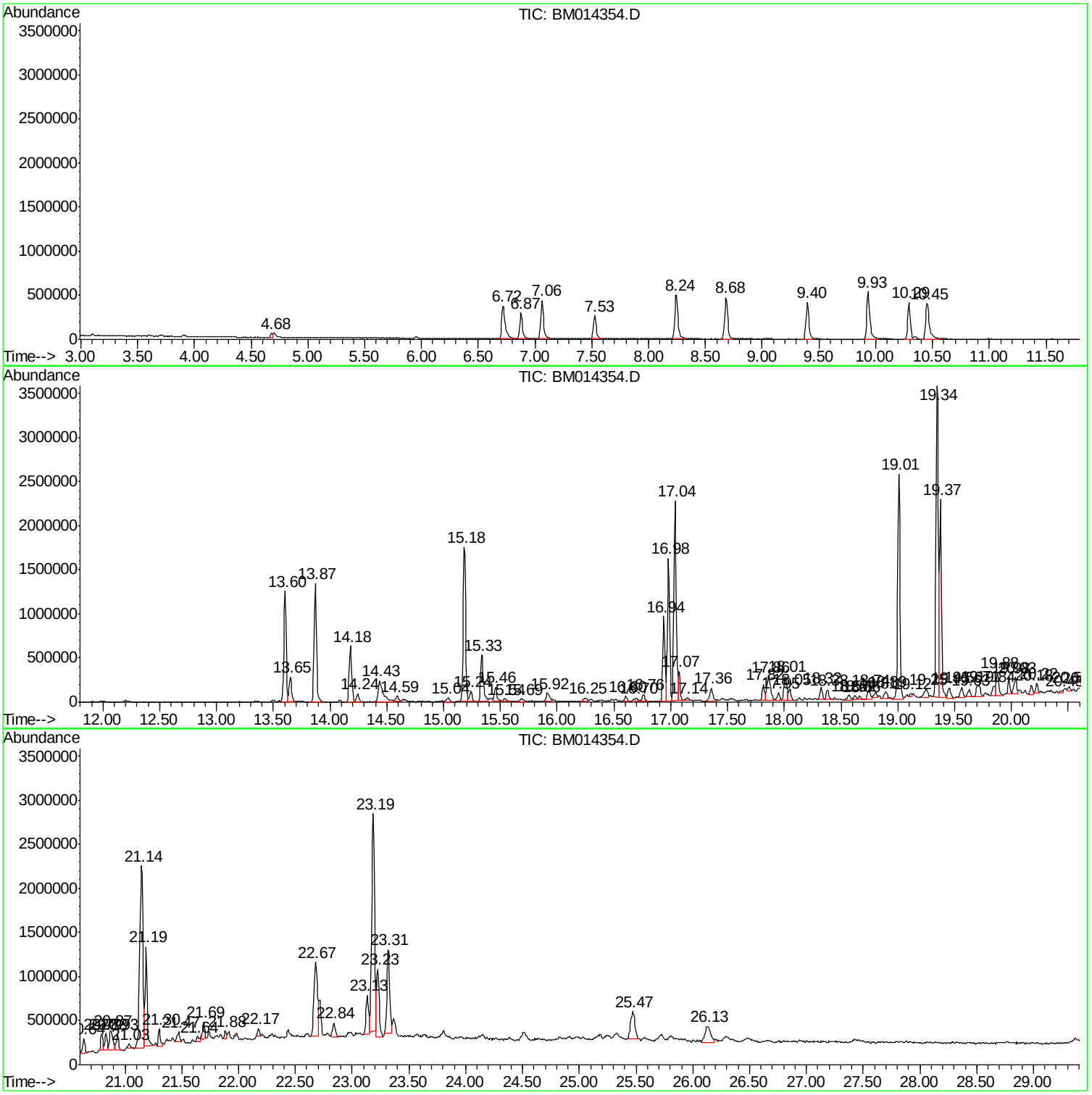
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014354.D
Acq On : 26 Feb 2018 13:47
Operator : SJ/JU
Sample : J1646-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014354.D
Acq On : 26 Feb 2018 13:47
Operator : SJ/JU
Sample : J1646-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

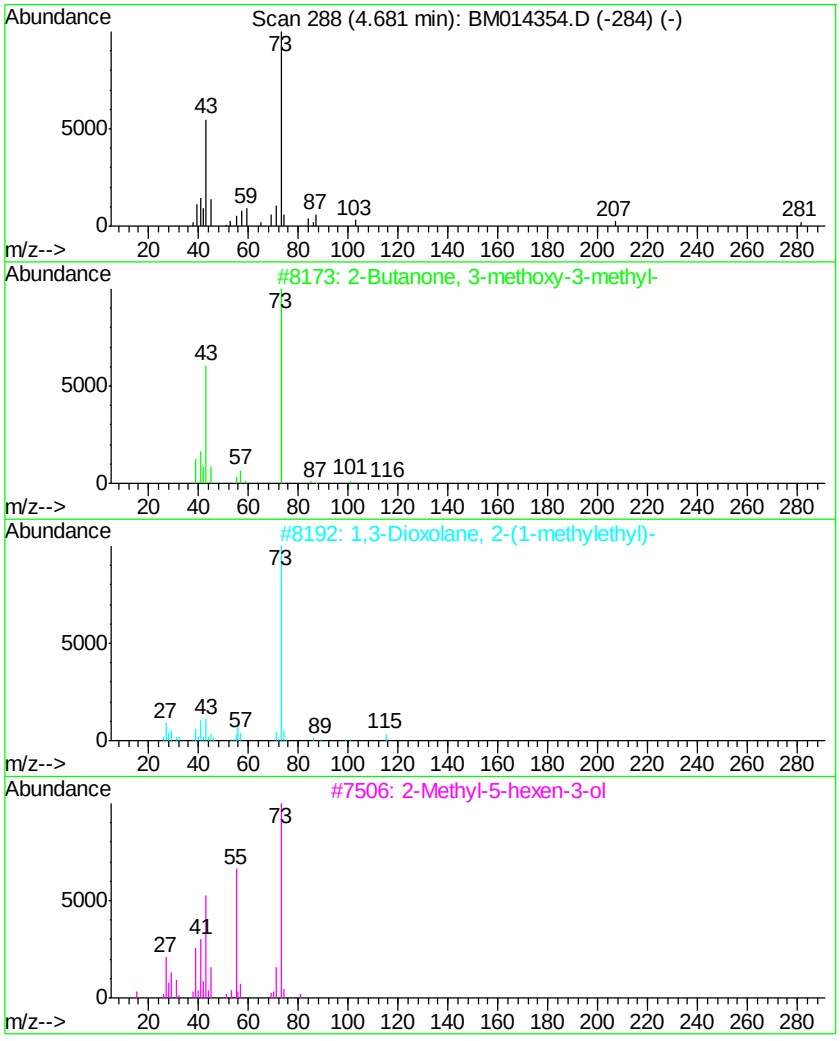
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

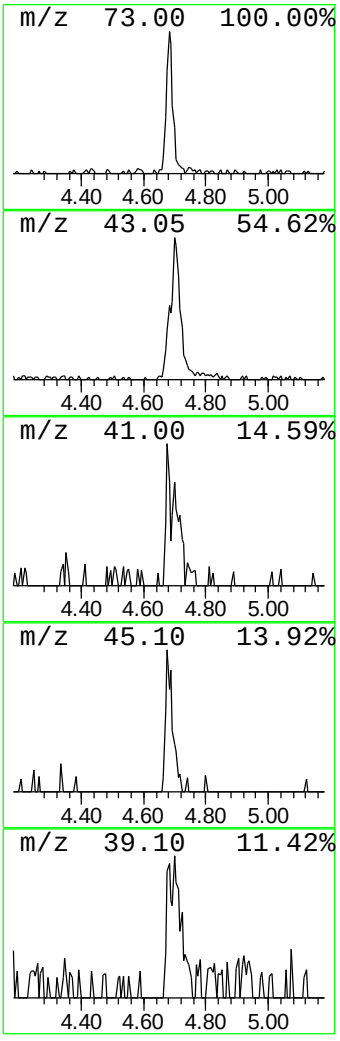
****

Peak Number 1 unknown-01 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.68	2.58 ng/ul	60966	1,4-Dichlorobenzene-d4	7.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanone, 3-methoxy-3-methyl-	116	C6H12O2	036687-98-6	25
2	1,3-Dioxolane, 2-(1-methylethyl)-	116	C6H12O2	000822-83-3	23
3	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	12
4	1-Propanol, 3-mercapto-	92	C3H8OS	019721-22-3	9
5	Pentanol, 5-amino-	103	C5H13NO	002508-29-4	9





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014354.D
Acq On : 26 Feb 2018 13:47
Operator : SJ/JU
Sample : J1646-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

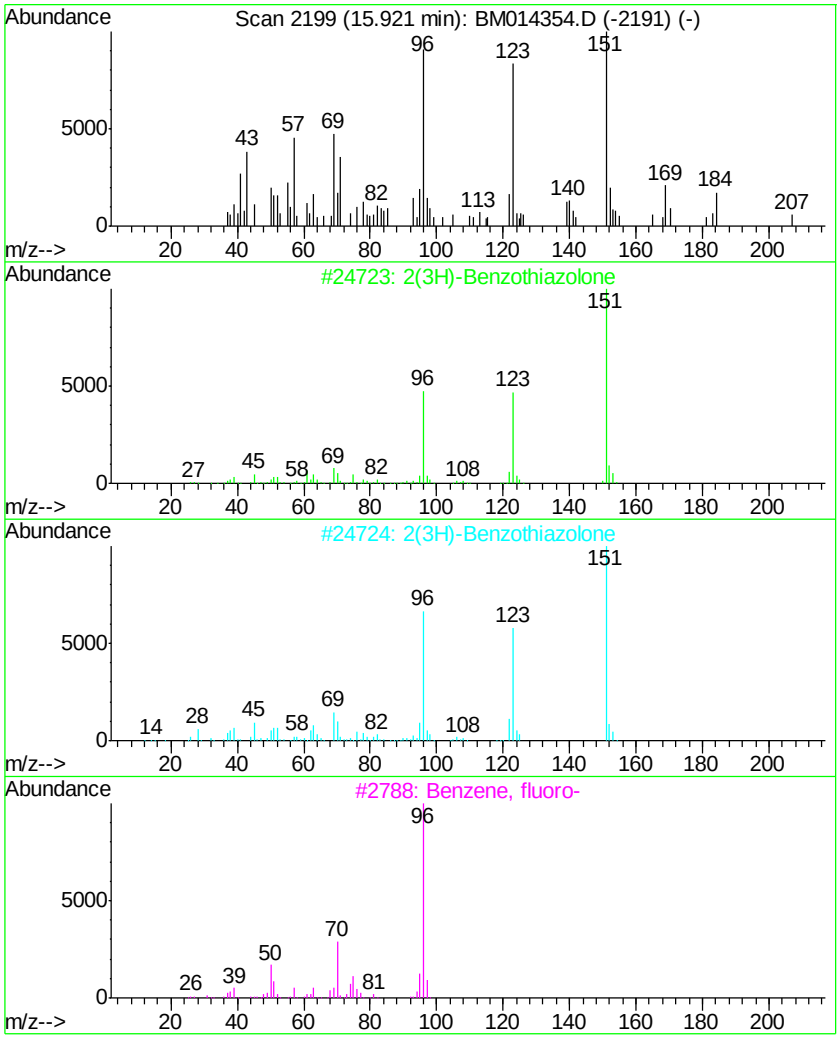
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

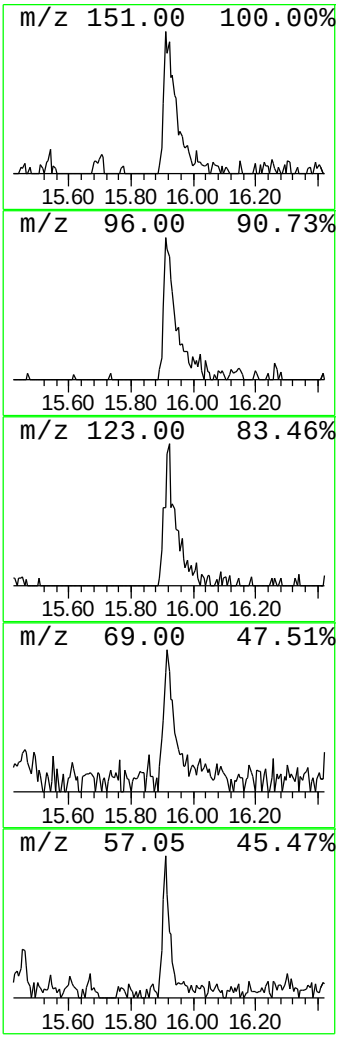
****

Peak Number 2 2(3H)-Benzothiazolone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	3.25 ng/ul	218049	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(3H)-Benzothiazolone	151	C7H5NOS	000934-34-9	53
2	2(3H)-Benzothiazolone	151	C7H5NOS	000934-34-9	43
3	Benzene, fluoro-	96	C6H5F	000462-06-6	15
4	Benzene, fluoro-	96	C6H5F	000462-06-6	14
5	3,8-Decanedione, 2,2,9,9-tetrame...	226	C14H26O2	001490-36-4	14





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014354.D
Acq On : 26 Feb 2018 13:47
Operator : SJ/JU
Sample : J1646-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

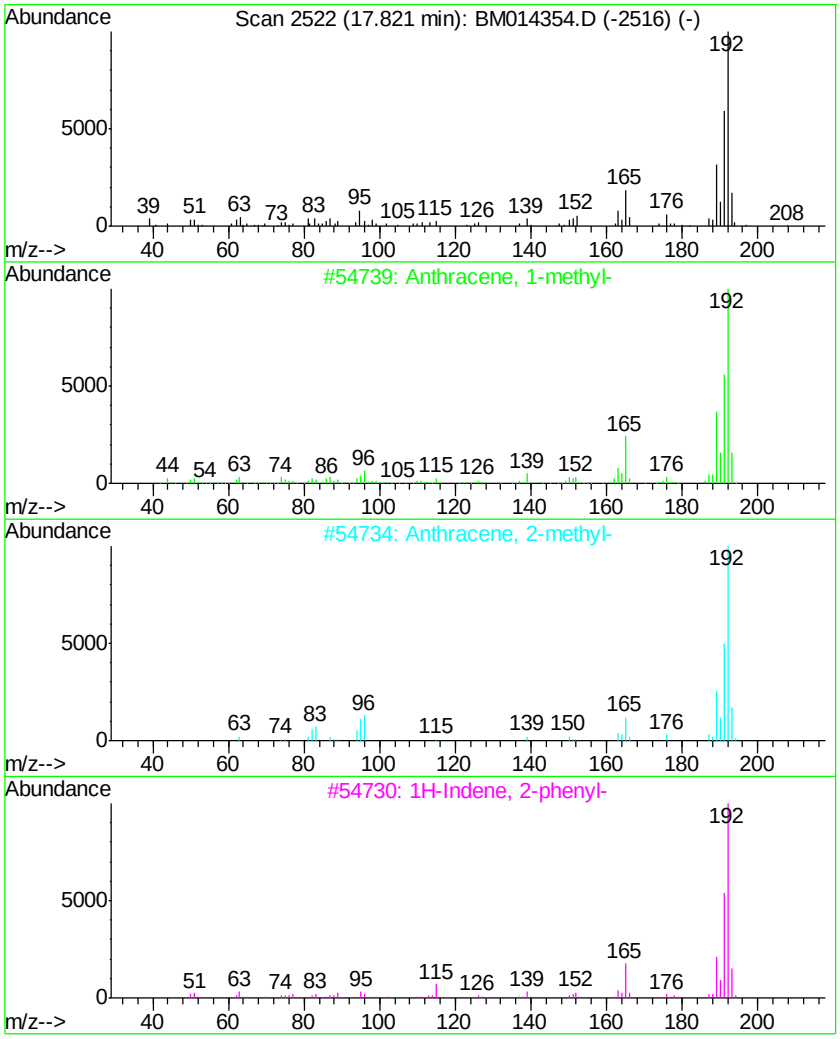
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

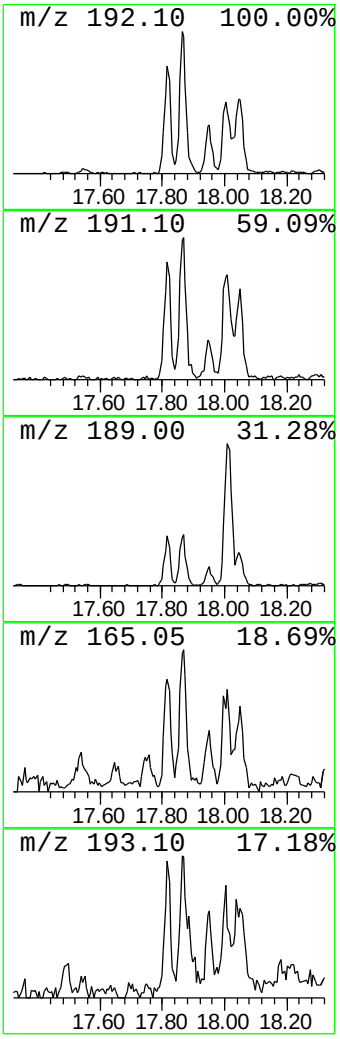
****

Peak Number 3 Anthracene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	3.98 ng/ul	267180	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014354.D
Acq On : 26 Feb 2018 13:47
Operator : SJ/JU
Sample : J1646-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

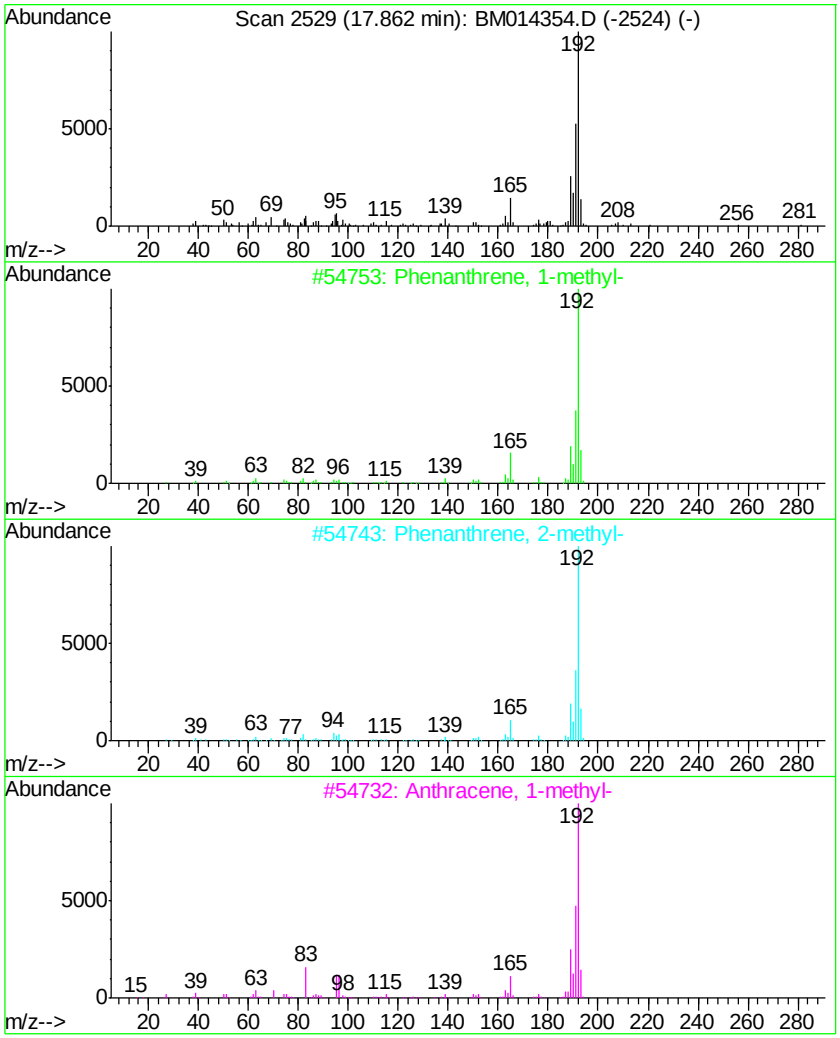
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

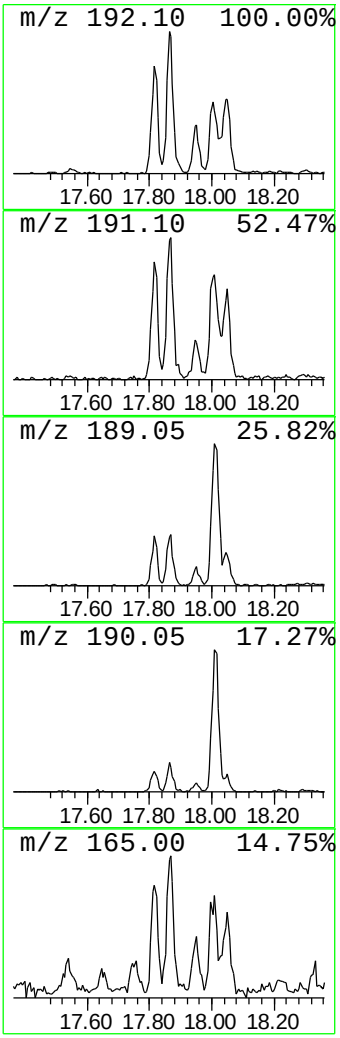
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	9.27 ng/ul	622678	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014354.D
Acq On : 26 Feb 2018 13:47
Operator : SJ/JU
Sample : J1646-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

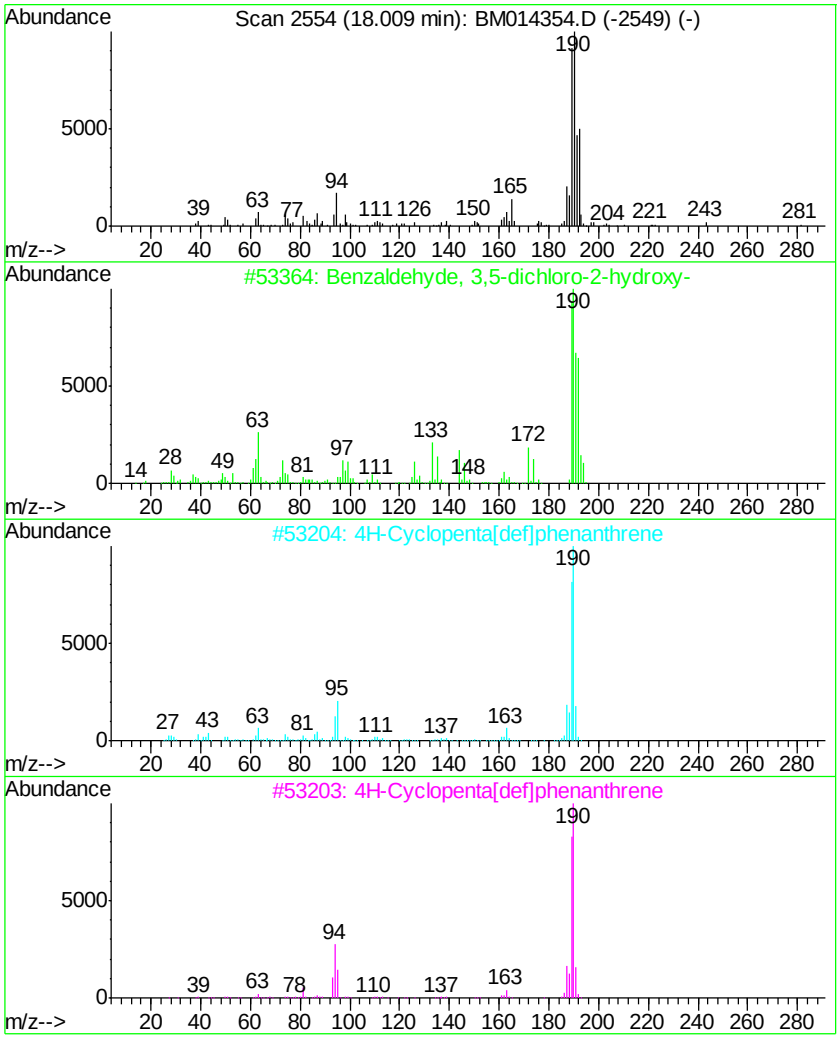
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

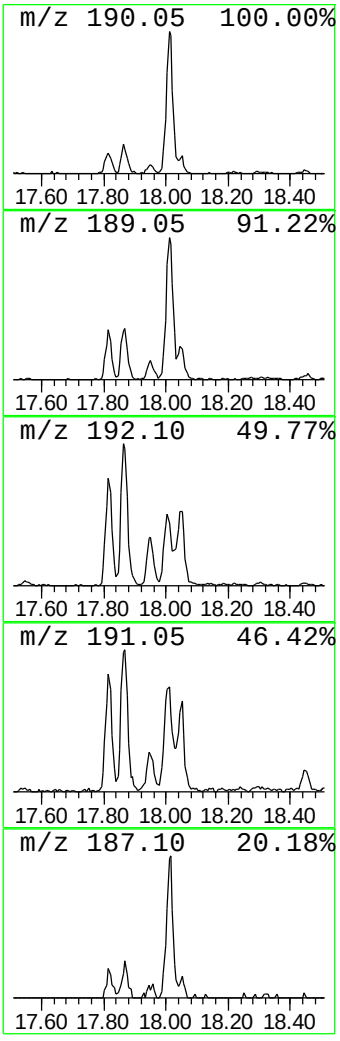
****

Peak Number 6 Benzaldehyde, 3,5-dichloro-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	7.36 ng/ul	494563	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
4	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	42





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014354.D
Acq On : 26 Feb 2018 13:47
Operator : SJ/JU
Sample : J1646-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

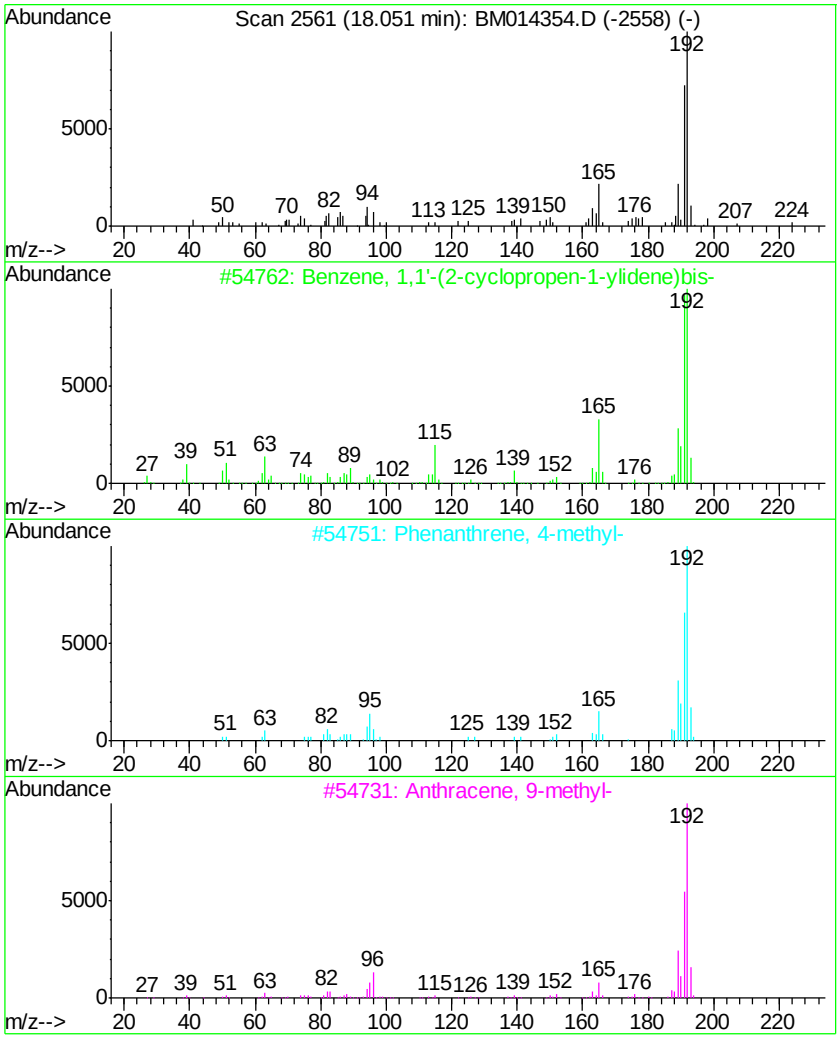
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

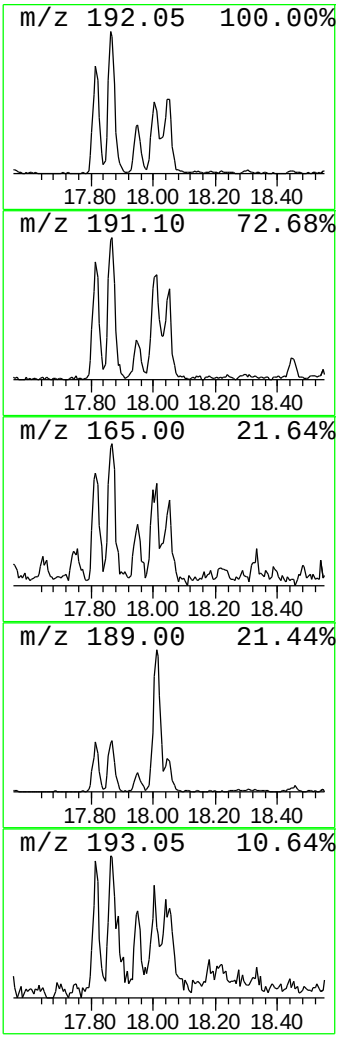
****

Peak Number 7 Benzene, 1,1'-(2-cycloprope... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	2.70 ng/ul	181665	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	74
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	74
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	68
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	64
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	59





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014354.D
Acq On : 26 Feb 2018 13:47
Operator : SJ/JU
Sample : J1646-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

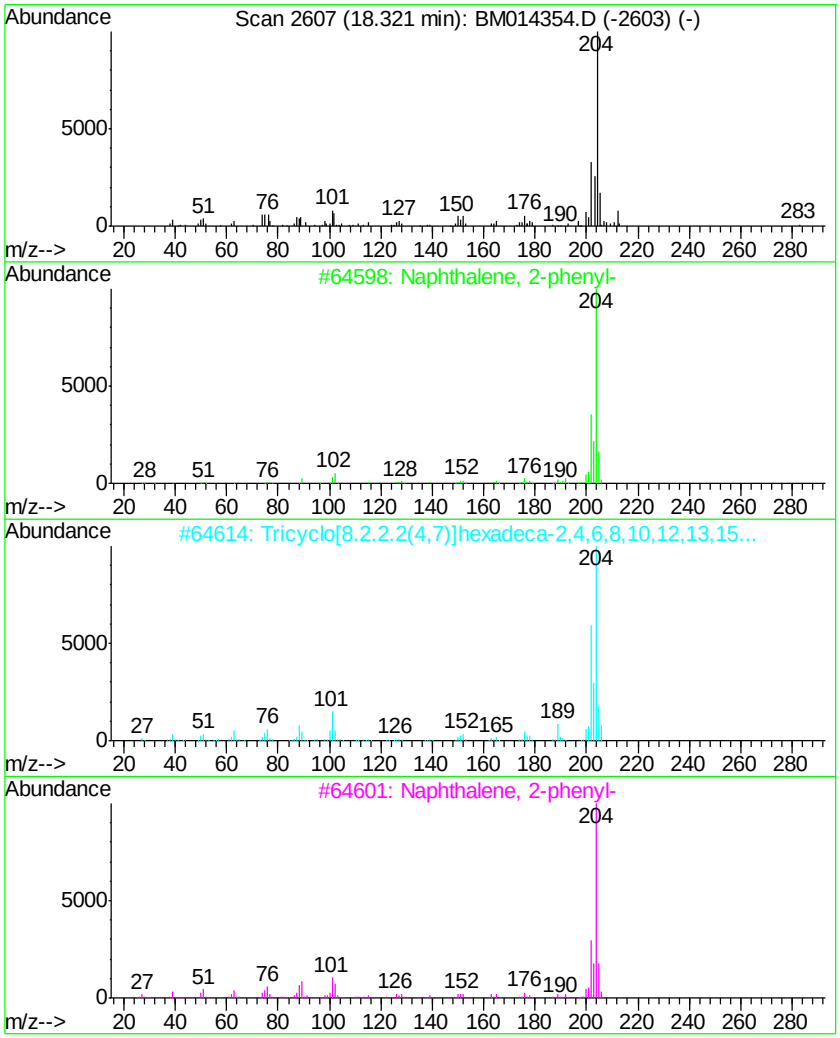
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

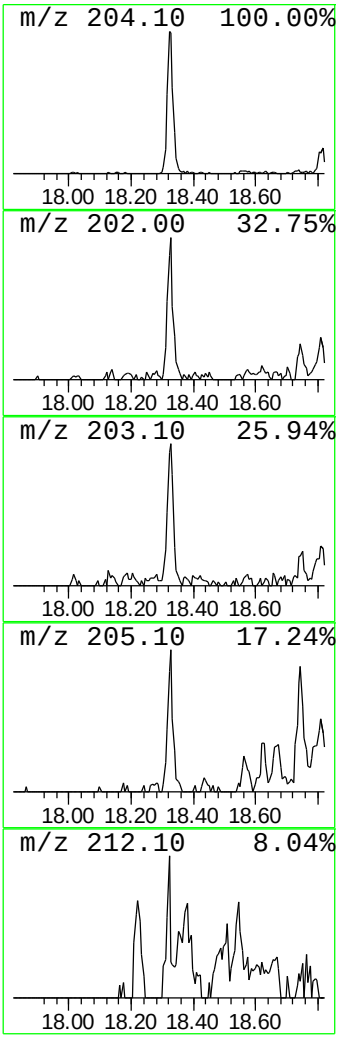
****

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	3.06 ng/ul	205799	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	74
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	68
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	68
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014354.D
Acq On : 26 Feb 2018 13:47
Operator : SJ/JU
Sample : J1646-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

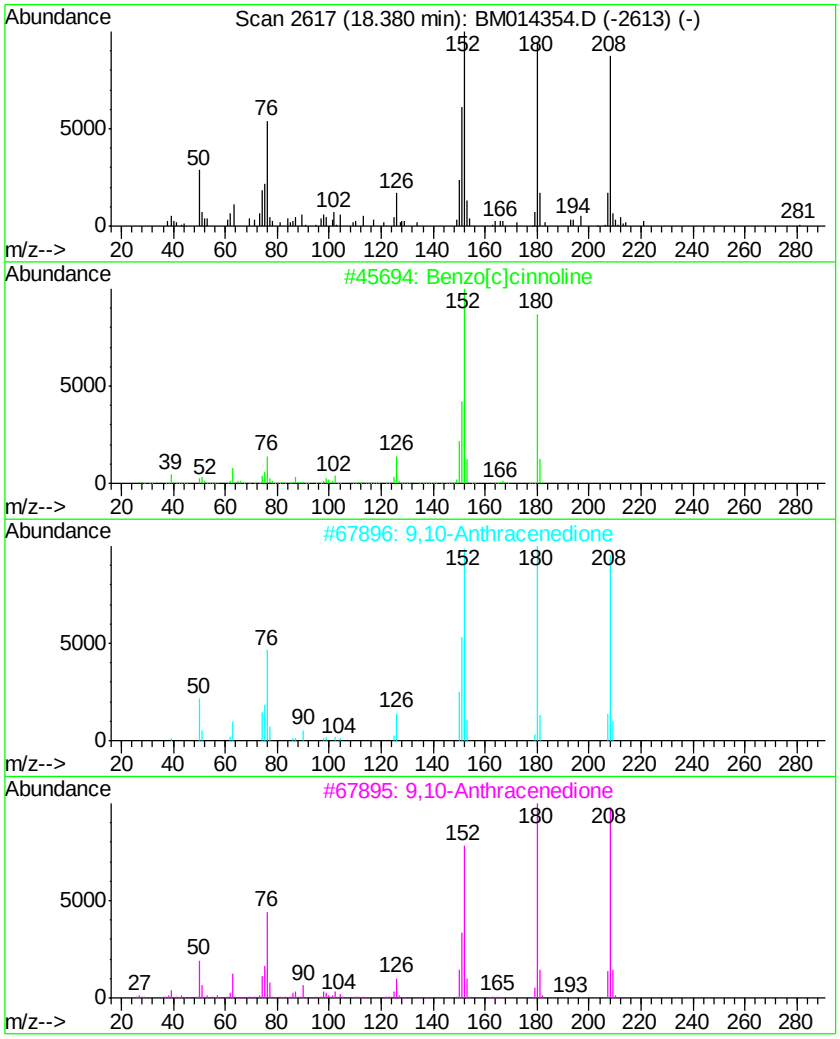
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

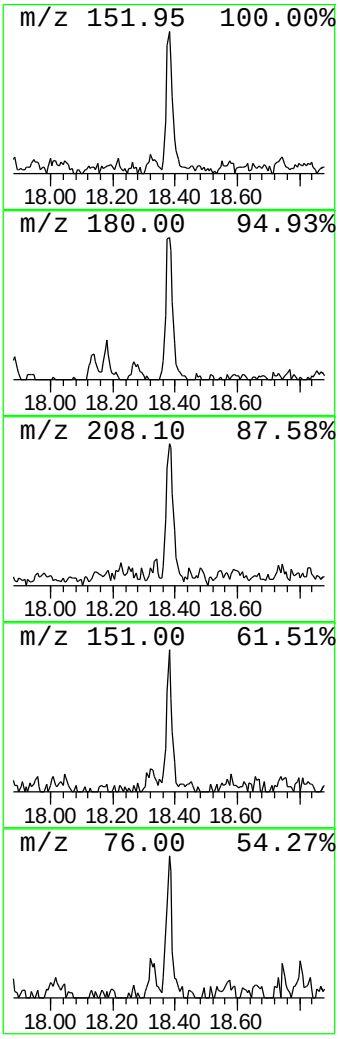
****

Peak Number 9 Benzo[c]cinnoline Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	2.55 ng/ul	170966	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	87





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014354.D
Acq On : 26 Feb 2018 13:47
Operator : SJ/JU
Sample : J1646-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

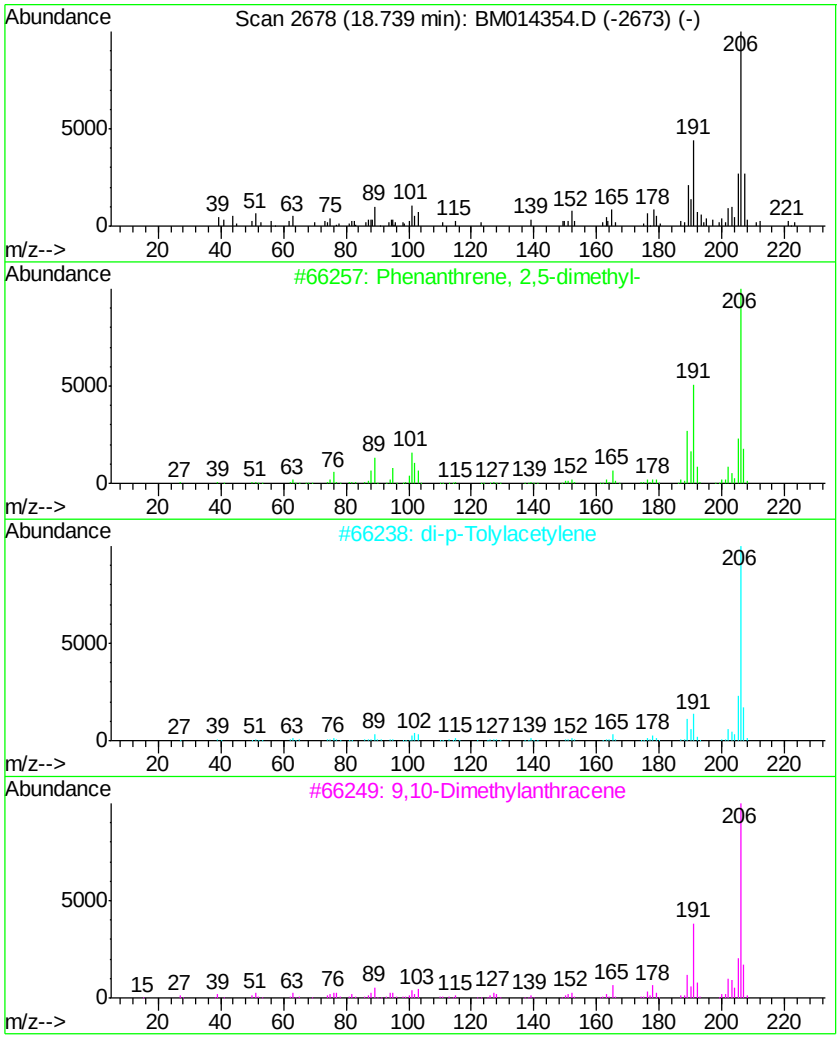
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

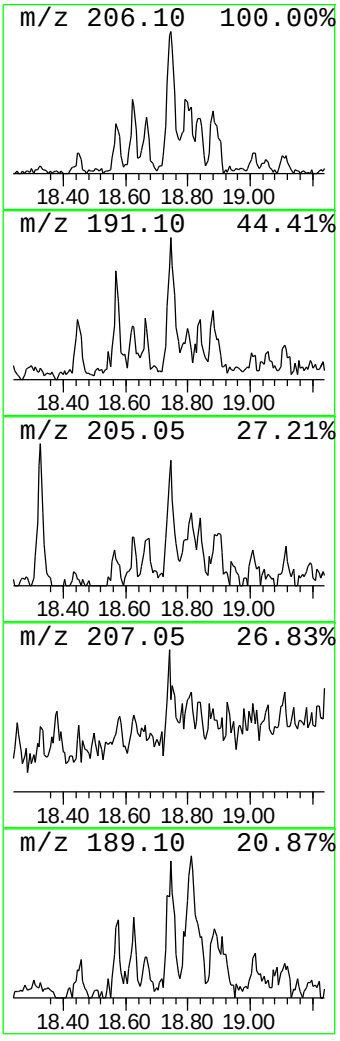
****

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.74	2.94 ng/ul	197350	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	81
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	74
4	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	72
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	70





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014354.D
Acq On : 26 Feb 2018 13:47
Operator : SJ/JU
Sample : J1646-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

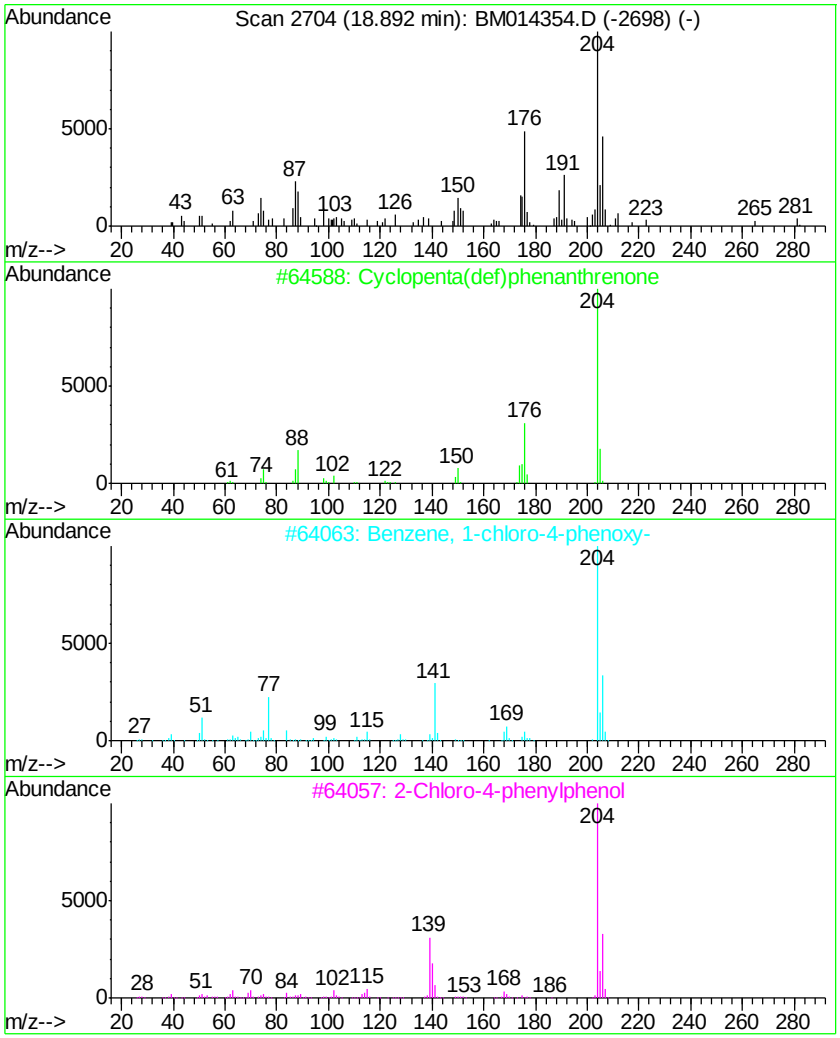
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

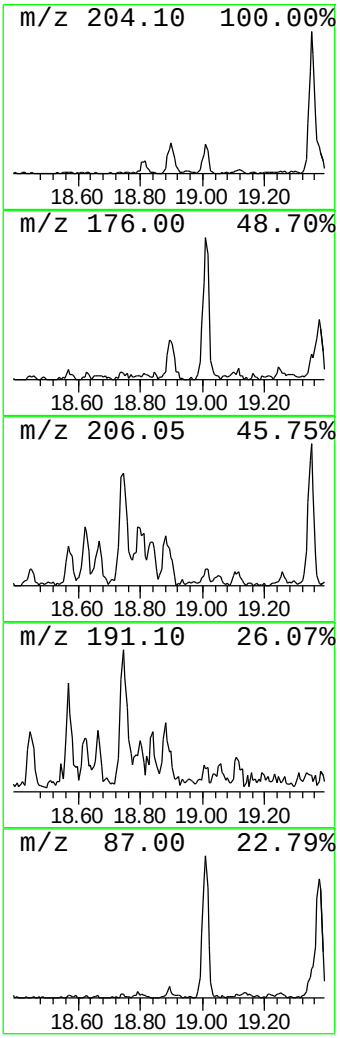
****

Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.89	2.44 ng/ul	163903	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	55
2	Benzene, 1-chloro-4-phenoxy-	204	C12H9ClO	007005-72-3	47
3	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43
4	3,5-Dichloro-2,4-dimethyl-1-meth...	204	C9H10Cl2O	1000250-17-8	43
5	[1,1'-Biphenyl-4-ol], 2-chloro-	204	C12H9ClO	023719-22-4	38





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014354.D
Acq On : 26 Feb 2018 13:47
Operator : SJ/JU
Sample : J1646-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

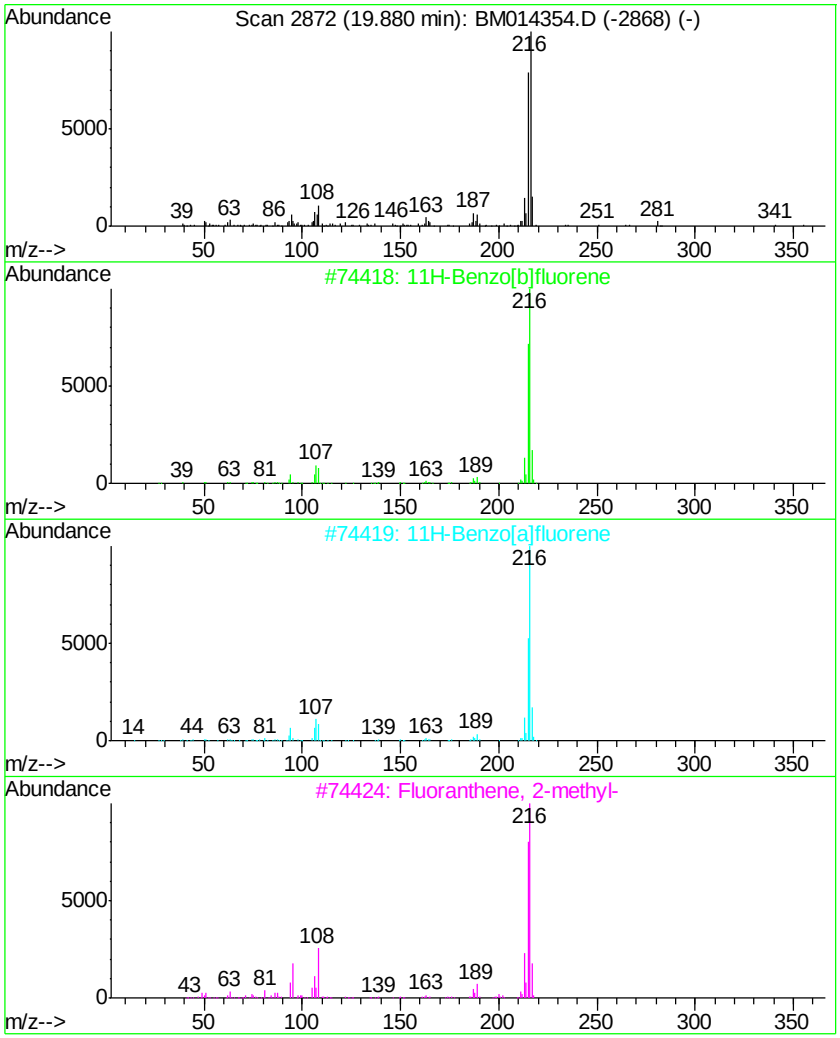
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

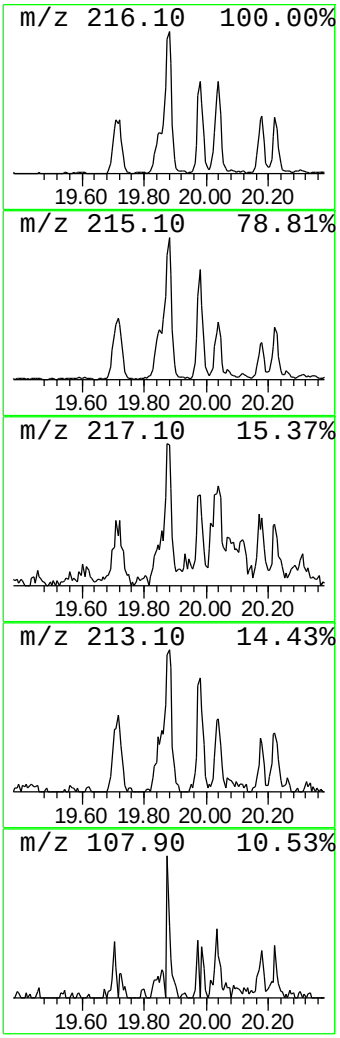
****

Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.88	2.02 ng/ul	415386	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014354.D
Acq On : 26 Feb 2018 13:47
Operator : SJ/JU
Sample : J1646-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

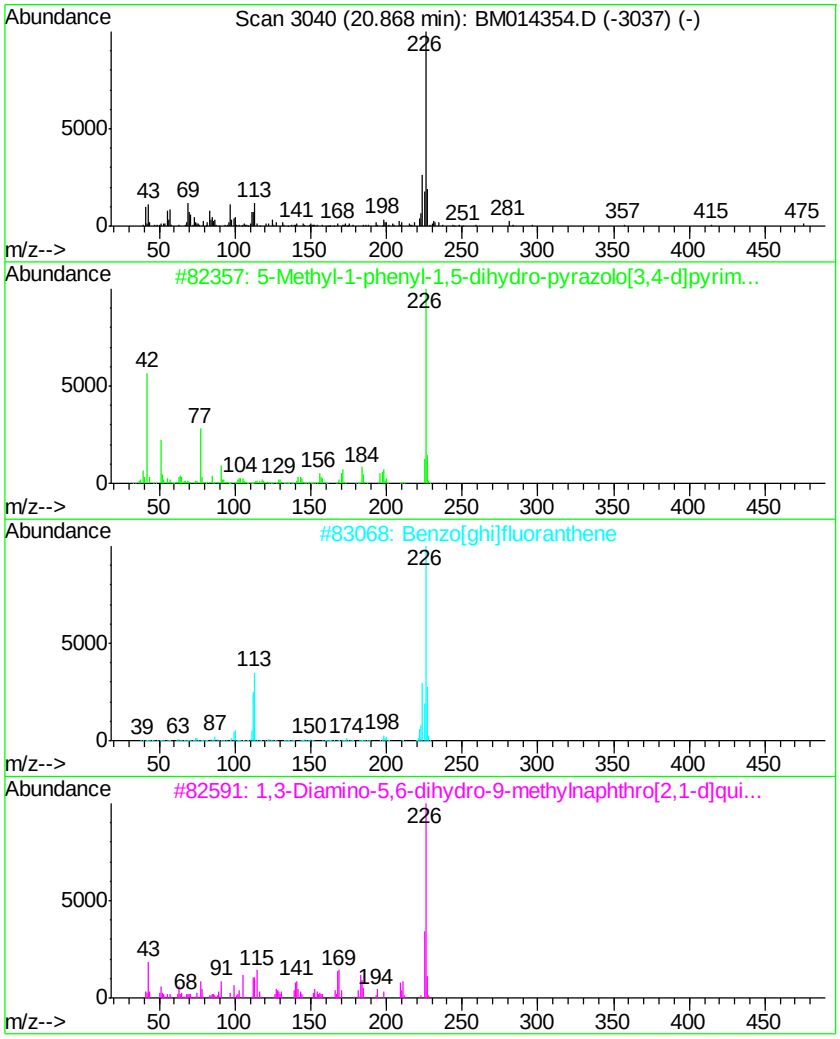
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

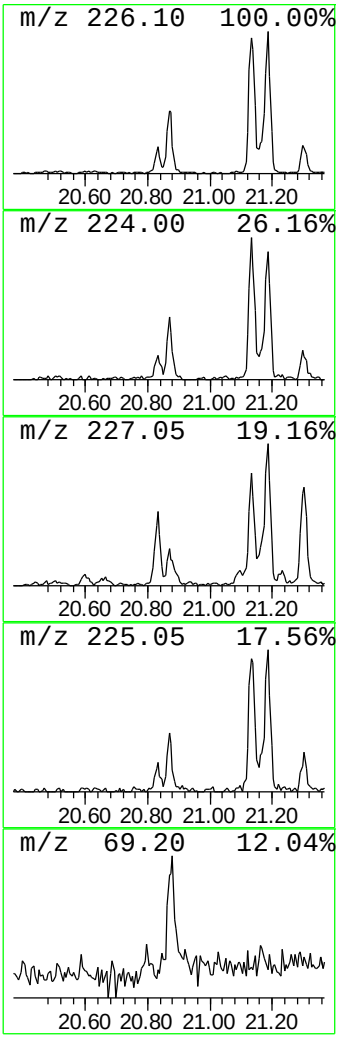
****

Peak Number 13 unknown-02 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	2.07 ng/ul	426618	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Methyl-1-phenyl-1,5-dihydro-py...	226	C12H10N4O	1000300-02-1	49
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	49
3	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	47
4	p-Anisaldehyde phenylhydrazone	226	C14H14N2O	000622-73-1	47
5	2,2'-Oxydibenzaldehyde	226	C14H10O3	049590-51-4	38





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014354.D
Acq On : 26 Feb 2018 13:47
Operator : SJ/JU
Sample : J1646-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

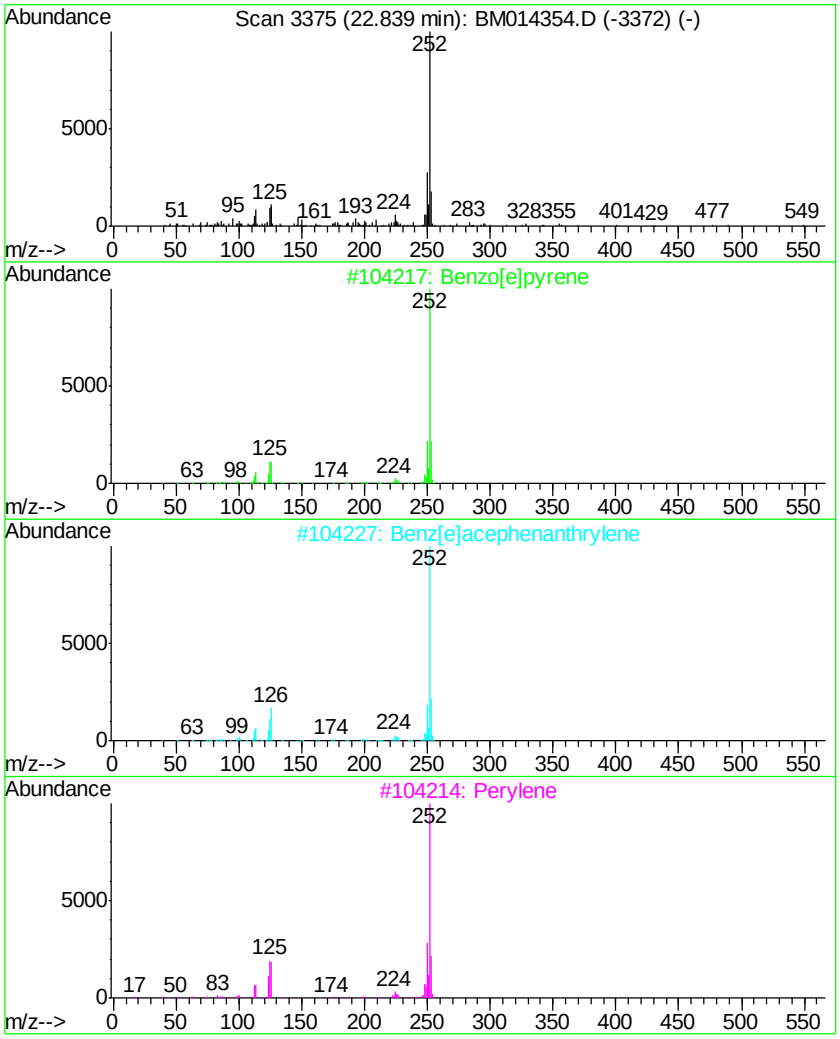
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

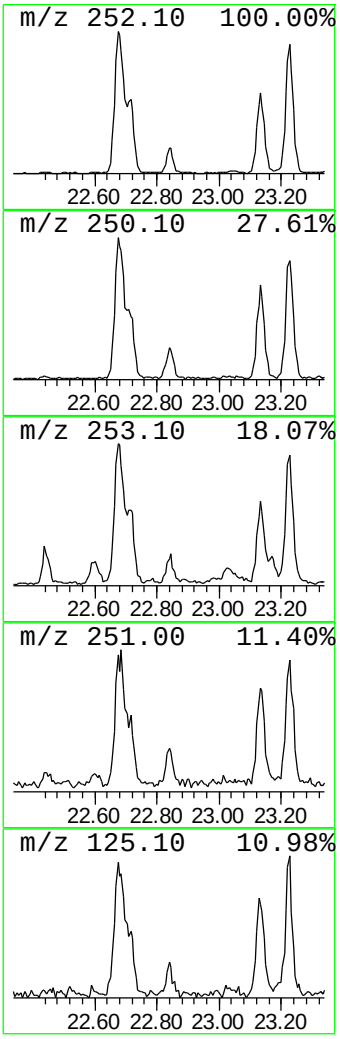
****

Peak Number 14 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.84	2.87 ng/ul	242568	Perylene-d12	23.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	90
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	86
3	Perylene	252	C20H12	000198-55-0	81
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	81
5	Perylene	252	C20H12	000198-55-0	74





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014354.D
Acq On : 26 Feb 2018 13:47
Operator : SJ/JU
Sample : J1646-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown-01	4.68	2.6	ng/ul	60966	1	7.53	472253	20.0
2(3H)-Benzothiazo...	15.92	3.3	ng/ul	218049	4	16.94	1343390	20.0
Anthracene, 1-met...	17.82	4.0	ng/ul	267180	4	16.94	1343390	20.0
Phenanthrene, 1-m...	17.86	9.3	ng/ul	622678	4	16.94	1343390	20.0
Benzaldehyde, 3,5...	18.01	7.4	ng/ul	494563	4	16.94	1343390	20.0
Benzene, 1,1'-(2-...	18.05	2.7	ng/ul	181665	4	16.94	1343390	20.0
Naphthalene, 2-ph...	18.32	3.1	ng/ul	205799	4	16.94	1343390	20.0
Benzo[c]cinnoline	18.38	2.5	ng/ul	170966	4	16.94	1343390	20.0
Phenanthrene, 2,5...	18.74	2.9	ng/ul	197350	4	16.94	1343390	20.0
Cyclopenta(def)ph...	18.89	2.4	ng/ul	163903	4	16.94	1343390	20.0
11H-Benzo[b]fluorene	19.88	2.0	ng/ul	415386	5	21.15	4116850	20.0
unknown-02	20.87	2.1	ng/ul	426618	5	21.15	4116850	20.0
Benzo[e]pyrene	22.84	2.9	ng/ul	242568	6	23.32	1690590	20.0