LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004205.D
Acq On : 08 Feb 2016 18:11
Operator : SJ/IZ
Sample : H1340-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K6

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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.640	90	94	102	rBB	28849	38166	2.25%	0.188%
2	4.081	165	169	181	rBV2	33903	49893	2.94%	0.246%
3	4.493	235	239	247	rBV2	25492	36226	2.14%	0.179%
4	6.840	633	638	646	rBB	54918	85893	5.07%	0.424%
5	6.992	659	664	672	rBB	43850	66525	3.93%	0.328%
6	7.192	693	698	705	rBB	60526	90821	5.36%	0.448%
7	7.657	771	777	783	rBB	83452	125234	7.39%	0.618%
8	8.375	894	899	907	rBB	38739	59106	3.49%	0.292%
9	8.816	968	974	982	rBB	56092	88438	5.22%	0.436%
10	9.533	1091	1096	1102	rBB	46405	70963	4.19%	0.350%
11	10.075	1183	1188	1197	rBB	74325	119687	7.06%	0.591%
12	10.445	1244	1251	1257	rBV	132949	214161	12.64%	1.057%
13	10.586	1270	1275	1291	rBB	55160	94517	5.58%	0.466%
14	13.727	1803	1809	1813	rVV	159287	215245	12.70%	1.062%
15	13.774	1813	1817	1822	rVB	60940	80386	4.74%	0.397%
16	14.004	1850	1856	1865	rBB	181889	266120	15.71%	1.313%
17	14.316	1903	1909	1915	rBV2	204791	307938	18.18%	1.520%
18	14.380	1915	1920	1925	rVB	57299	78435	4.63%	0.387%
19	14.545	1942	1948	1959	rBV	41400	67680	3.99%	0.334%
20	14.715	1973	1977	1982	rVB	16997	21867	1.29%	0.108%
21	15.168	2050	2054	2058	rVB	15147	17686	1.04%	0.087%
22	15.315	2073	2079	2084	rBV	249783	352937	20.83%	1.742%
23	15.368	2084	2088	2094	rVB2	41056	55198	3.26%	0.272%
24	15.451	2098	2102	2106	rBV	39397	49443	2.92%	0.244%
25	16.033	2197	2201	2211	rBV3	16939	31586	1.86%	0.156%
26	16.374	2253	2259	2264	rVV6	8718	15779	0.93%	0.078%
27	16.821	2327	2335	2339	rBV4	21672	34290	2.02%	0.169%
28	16.886	2339	2346	2351	rVB	21025	30262	1.79%	0.149%
29	17.068	2371	2377	2380	rBV	278007	381591	22.52%	1.883%
30	17.109	2380	2384	2389	rVV	455477	644109	38.02%	3.179%
31	17.168	2389	2394	2397	rVV	296193	409271	24.16%	2.020%
32	17.204	2397	2400	2406	rVV	117036	150429	8.88%	0.742%
33	17.474	2438	2446	2455	rVV2	53130	83545	4.93%	0.412%
34	17.774	2493	2497	2505	rVB2	13148	21228	1.25%	0.105%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004205.D
Acq On : 08 Feb 2016 18:11
Operator : SJ/IZ
Sample : H1340-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K6

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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Title : SVOA CALIBRATION

35	17.945	2519	2526	2531	rBV	50172	91057	5.37%	0.449%
36	17.992	2531	2534	2540	rVB	80047	102484	6.05%	0.506%
37	18.074	2542	2548	2553	rVB	27524	39359	2.32%	0.194%
38	18.145	2553	2560	2564	rBV3	102955	178358	10.53%	0.880%
39	18.180	2564	2566	2573	rVB	32802	35976	2.12%	0.178%
40	18.451	2605	2612	2616	rBV	42975	57609	3.40%	0.284%
41	18.498	2616	2620	2627	rVB	31032	41044	2.42%	0.203%
42	18.698	2650	2654	2658	rBV3	12856	16651	0.98%	0.082%
43	18.874	2678	2684	2691	rBV3	26721	64102	3.78%	0.316%
44	18.939	2691	2695	2698	rVV2	19024	33423	1.97%	0.165%
45	19.015	2704	2708	2716	rVV4	28226	52472	3.10%	0.259%
46	19.139	2723	2729	2736	rVB	981696	1379096	81.40%	6.806%
47	19.203	2736	2740	2743	rVB4	13203	16649	0.98%	0.082%
48	19.239	2743	2746	2751	rVB	21545	25914	1.53%	0.128%
49	19.333	2757	2762	2765	rBV5	8288	15836	0.93%	0.078%
50	19.386	2765	2771	2775	rVV2	28107	42043	2.48%	0.207%
51	19.480	2781	2787	2789	rBV2	571978	894958	52.82%	4.417%
52	19.509	2789	2792	2799	rVB	863894	1110020	65.52%	5.478%
53	19.574	2799	2803	2810	rVB2	42069	66762	3.94%	0.329%
54	19.686	2810	2822	2827	rBV	62259	104207	6.15%	0.514%
55	19.750	2828	2833	2837	rBV	47208	69330	4.09%	0.342%
56	19.827	2841	2846	2848	rBV	53655	93096	5.49%	0.459%
57	19.892	2853	2857	2864	rVB2	28336	53025	3.13%	0.262%
58	19.968	2864	2870	2872	rBV3	39245	72559	4.28%	0.358%
59	20.003	2872	2876	2882	rVB	172999	245345	14.48%	1.211%
60	20.103	2888	2893	2897	rBV	153961	196781	11.61%	0.971%
61	20.162	2897	2903	2907	rVV2	89506	163369	9.64%	0.806%
62	20.197	2907	2909	2914	rVV	66174	84662	5.00%	0.418%
63	20.245	2914	2917	2922	rVB3	23047	32163	1.90%	0.159%
64	20.303	2923	2927	2931	rBV	42223	57949	3.42%	0.286%
65	20.350	2931	2935	2939	rVB3	46284	60898	3.59%	0.301%
66	20.568	2969	2972	2974	rVV4	12656	16774	0.99%	0.083%
67	20.597	2975	2977	2980	rVV3	24147	33196	1.96%	0.164%
68	20.633	2980	2983	2987	rVB2	29631	47097	2.78%	0.232%
69	20.715	2993	2997	3001	rBV4	30624	53822	3.18%	0.266%
70	20.756	3001	3004	3010	rVB	73386	107008	6.32%	0.528%
71	20.921	3026	3032	3035	rBV3	111344	164103	9.69%	0.810%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004205.D
Acq On : 08 Feb 2016 18:11
Operator : SJ/IZ
Sample : H1340-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K6

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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Title : SVOA CALIBRATION

72	20.962	3035	3039	3041	rVV	102061	137075	8.09%	0.677%
73	21.003	3041	3046	3050	rVV2	100493	224223	13.23%	1.107%
74	21.056	3051	3055	3066	rVB2	81736	137918	8.14%	0.681%
75	21.192	3066	3078	3082	rBV2	265720	431023	25.44%	2.127%
76	21.268	3082	3091	3096	rBV3	827223	1694290	100.00%	8.362%
77	21.315	3096	3099	3109	rVB	627529	862696	50.92%	4.258%
78	21.397	3109	3113	3115	rBV2	29047	37847	2.23%	0.187%
79	21.433	3115	3119	3125	rBV	144766	205591	12.13%	1.015%
80	21.544	3135	3138	3142	rVB	56250	71330	4.21%	0.352%
81	21.592	3142	3146	3151	rVB2	89114	144449	8.53%	0.713%
82	21.639	3152	3154	3158	rVB3	23342	23606	1.39%	0.117%
83	21.827	3180	3186	3190	rBV	105475	173070	10.21%	0.854%
84	21.880	3192	3195	3200	rVB	50989	71927	4.25%	0.355%
85	21.980	3209	3212	3216	rVV3	39486	52029	3.07%	0.257%
86	22.027	3216	3220	3223	rVV2	75838	128095	7.56%	0.632%
87	22.056	3223	3225	3231	rVV2	96388	140647	8.30%	0.694%
88	22.121	3232	3236	3241	rVB2	60046	97145	5.73%	0.479%
89	22.315	3264	3269	3273	rBV5	53554	119929	7.08%	0.592%
90	22.850	3353	3360	3365	rBV	507160	1214885	71.70%	5.996%
91	23.015	3384	3388	3393	rVB	85794	133548	7.88%	0.659%
92	23.144	3407	3410	3418	rBV3	31611	68243	4.03%	0.337%
93	23.327	3435	3441	3445	rBV	262679	515032	30.40%	2.542%
94	23.374	3445	3449	3453	rVV	308672	580498	34.26%	2.865%
95	23.421	3453	3457	3463	rVB	444874	742494	43.82%	3.664%
96	23.515	3467	3473	3478	rVV	307578	592338	34.96%	2.923%
97	23.562	3478	3481	3489	rVB2	138644	252640	14.91%	1.247%
98	25.768	3846	3856	3866	rVB	194769	588458	34.73%	2.904%
99	26.026	3894	3900	3906	rBV	31455	71388	4.21%	0.352%
100	26.456	3966	3973	3991	rVB	110124	376015	22.19%	1.856%

Sum of corrected areas: 20262281

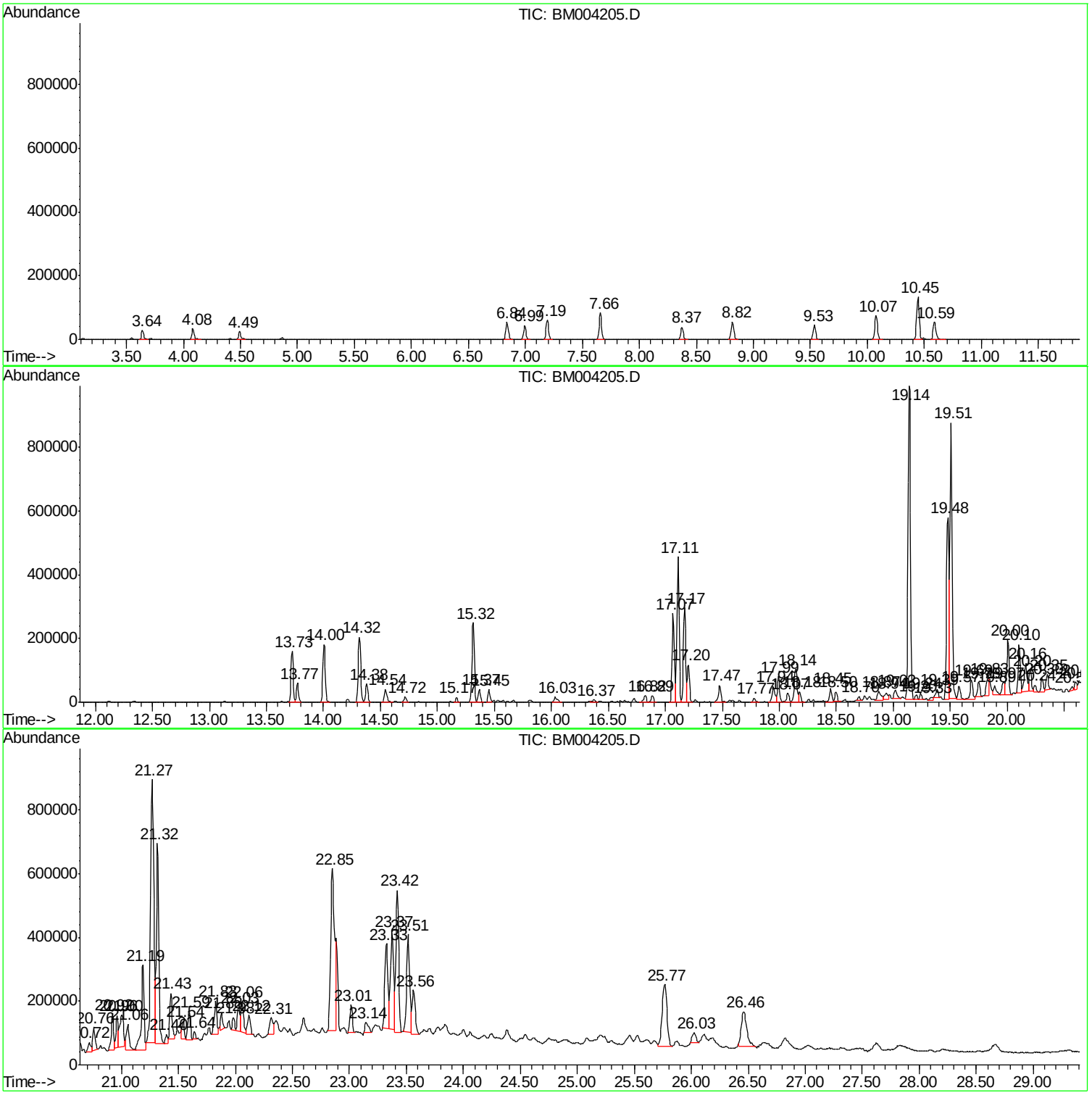
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004205.D
Acq On : 08 Feb 2016 18:11
Operator : SJ/IZ
Sample : H1340-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C04K6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004205.D
Acq On : 08 Feb 2016 18:11
Operator : SJ/IZ
Sample : H1340-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

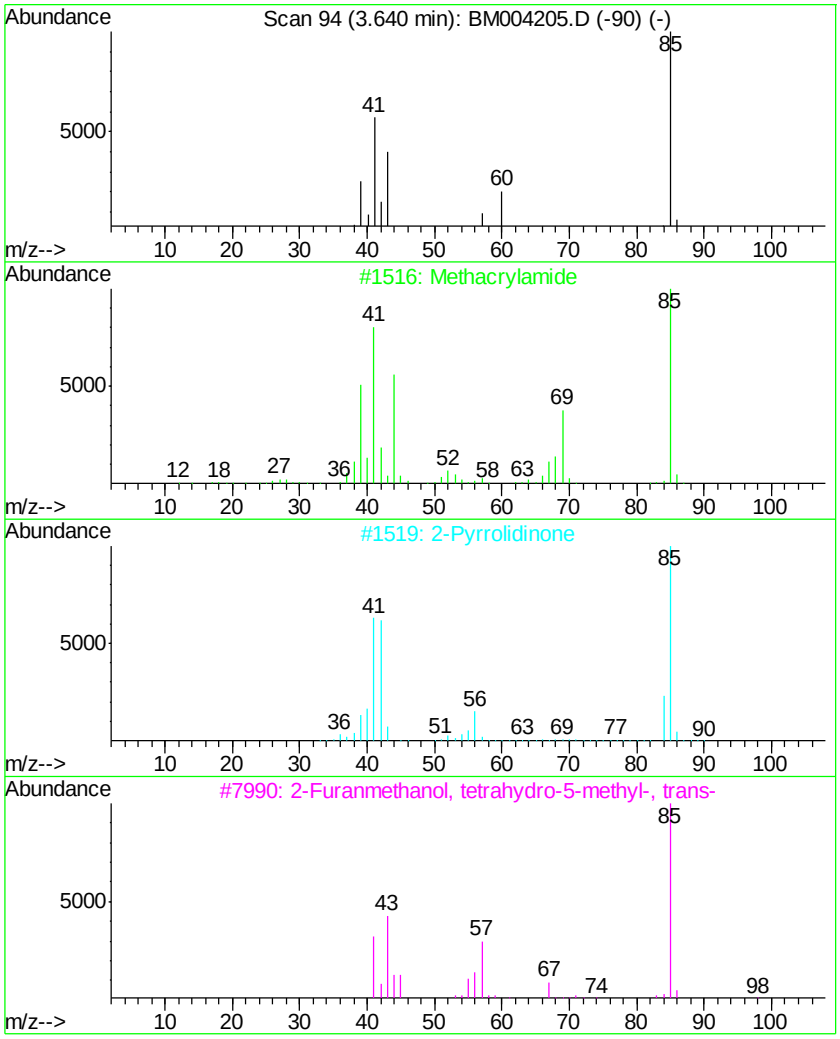
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

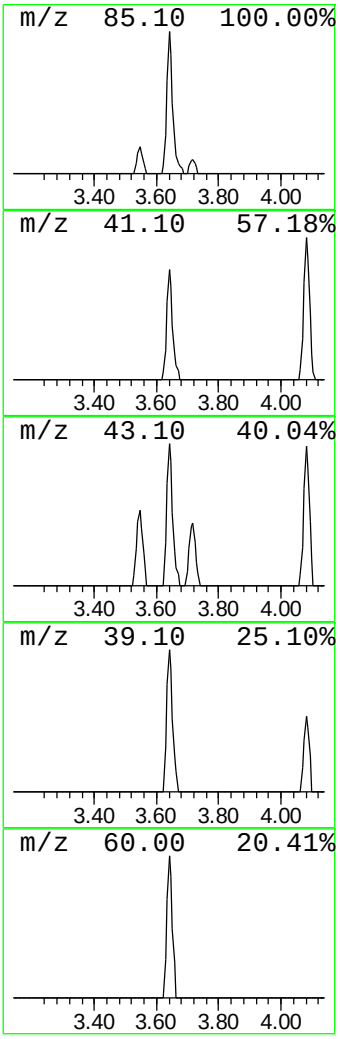
****

Peak Number 1 unknown-01 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.64	6.10 ng/ul	38166	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methacrylamide	85	C4H7NO	000079-39-0	36
2	2-Pyrrolidinone	85	C4H7NO	000616-45-5	9
3	2-Furanmethanol, tetrahydro-5-me...	116	C6H12O2	054774-28-6	9
4	Methacrylamide	85	C4H7NO	000079-39-0	7
5	2-Pyrrolidinone	85	C4H7NO	000616-45-5	7





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004205.D
Acq On : 08 Feb 2016 18:11
Operator : SJ/IZ
Sample : H1340-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

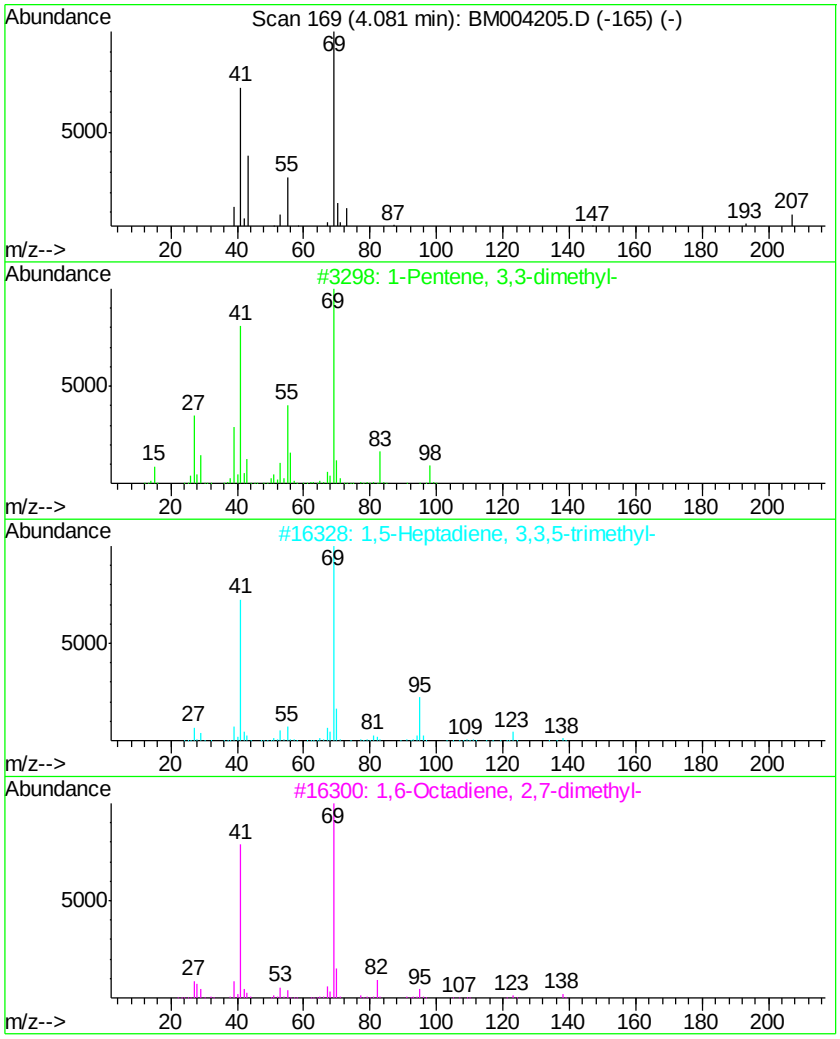
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

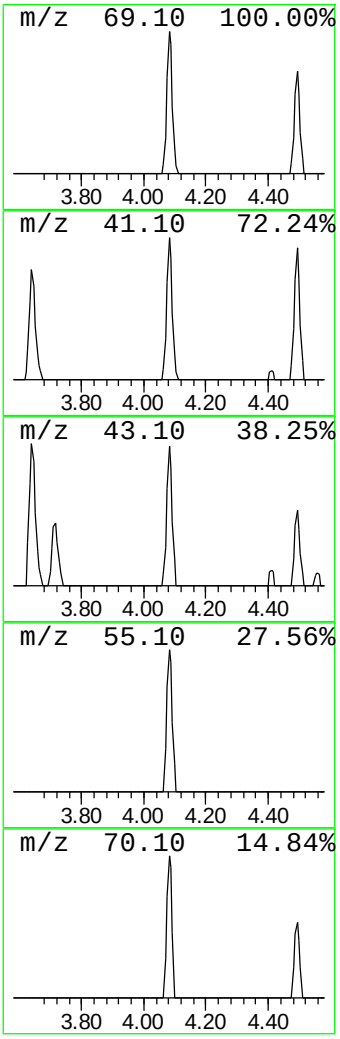
****

Peak Number 2 (DEL) Alkane: Cyclic4.08 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.08	7.97 ng/ul	49893	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 3,3-dimethyl-	98	C7H14	003404-73-7	42
2	1,5-Heptadiene, 3,3,5-trimethyl-	138	C10H18	074630-29-8	36
3	1,6-Octadiene, 2,7-dimethyl-	138	C10H18	040195-09-3	36
4	4-Heptanol, 2,6-dimethyl-	144	C9H20O	000108-82-7	9
5	4-Trifluoroacetoxyoctane	226	C10H17F3O2	116465-17-9	9





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004205.D
Acq On : 08 Feb 2016 18:11
Operator : SJ/IZ
Sample : H1340-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

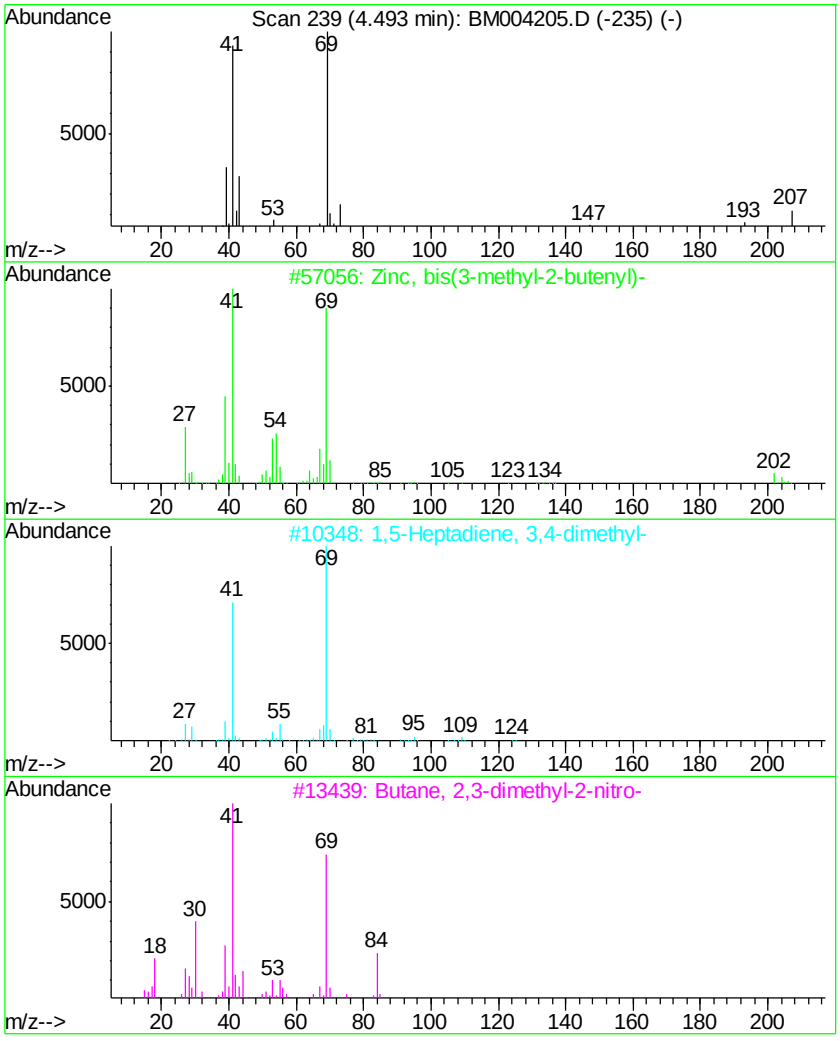
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

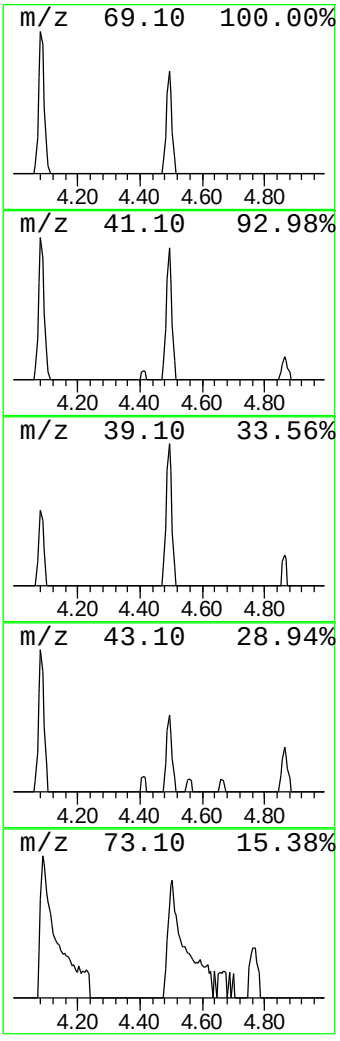
****

Peak Number 3 unknown-02 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.49	5.79 ng/ul	36226	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Zinc, bis(3-methyl-2-butenyl)-	202	C10H18Zn	066094-28-8	38
2	1,5-Heptadiene, 3,4-dimethyl-	124	C9H16	1000061-77-9	9
3	Butane, 2,3-dimethyl-2-nitro-	131	C6H13NO2	034075-28-0	9
4	4-Trifluoroacetoxyoctane	226	C10H17F3O2	116465-17-9	9
5	2-Undecanethiol, 2-methyl-	202	C12H26S	010059-13-9	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004205.D
Acq On : 08 Feb 2016 18:11
Operator : SJ/IZ
Sample : H1340-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

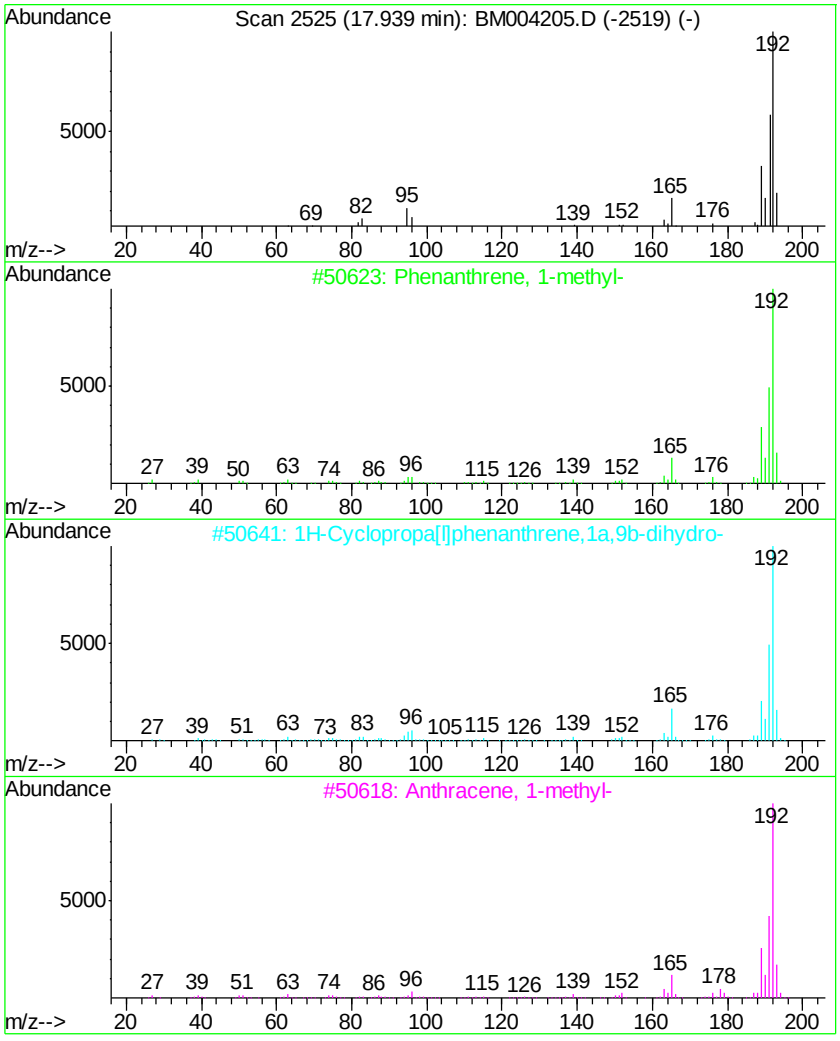
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

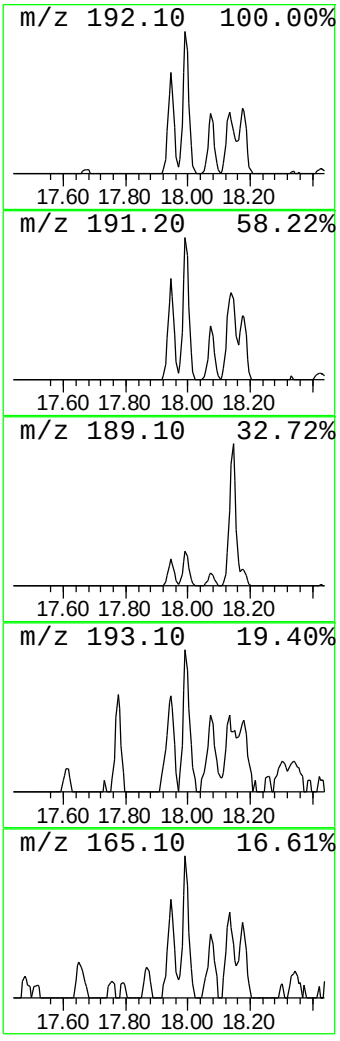
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	4.77 ng/ul	91057	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004205.D
Acq On : 08 Feb 2016 18:11
Operator : SJ/IZ
Sample : H1340-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

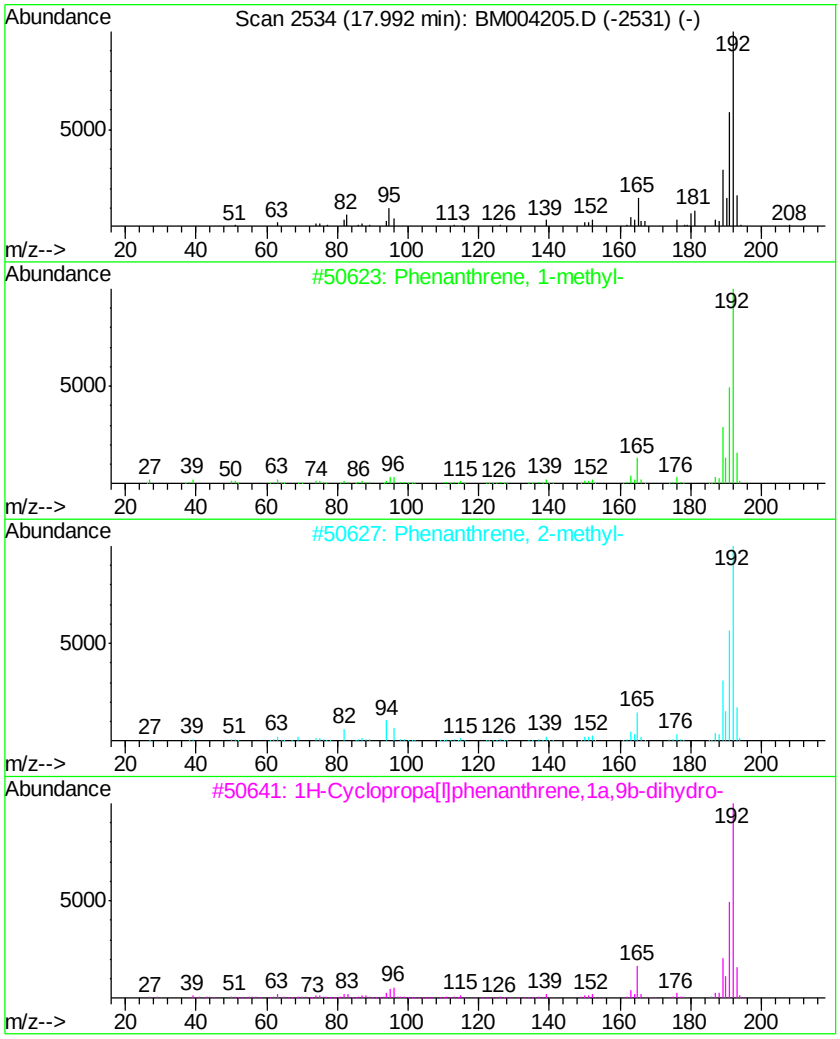
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

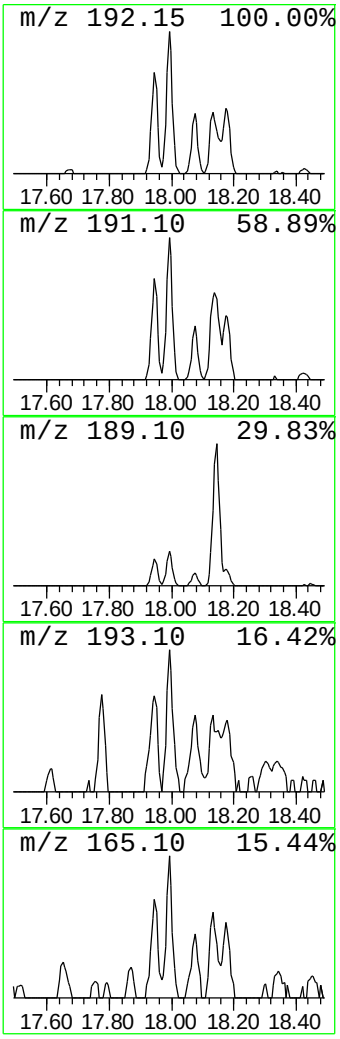
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	5.37 ng/ul	102484	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004205.D
Acq On : 08 Feb 2016 18:11
Operator : SJ/IZ
Sample : H1340-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

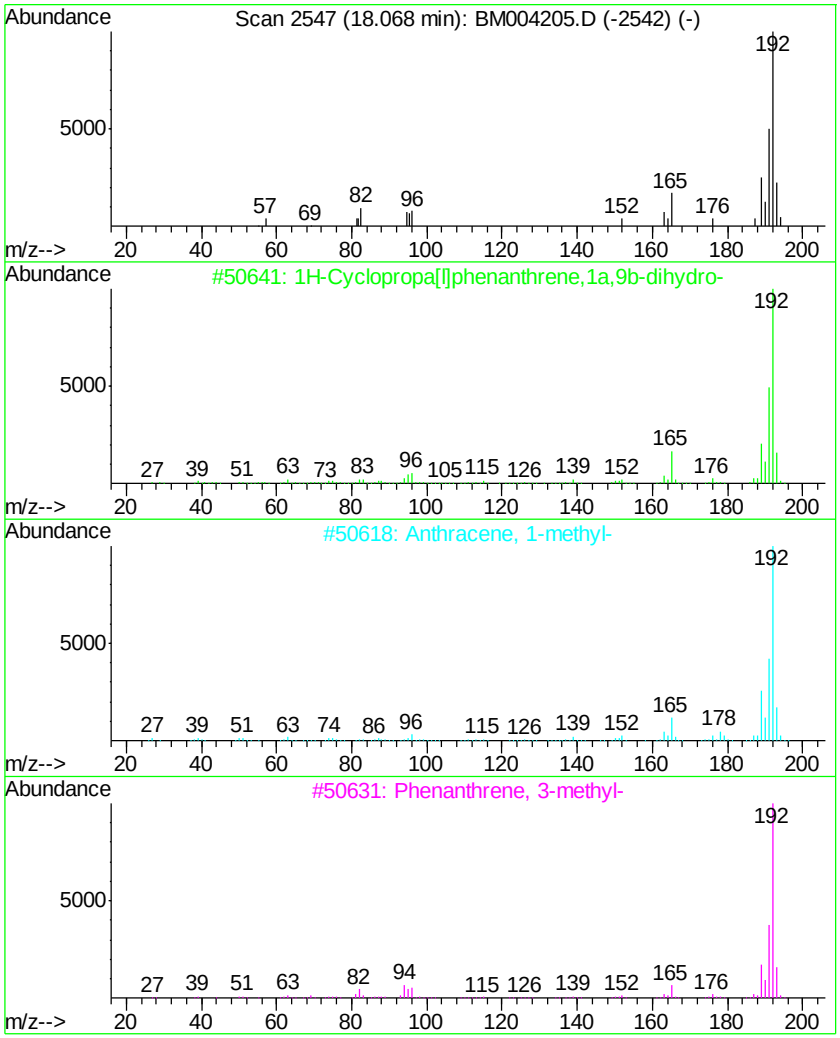
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

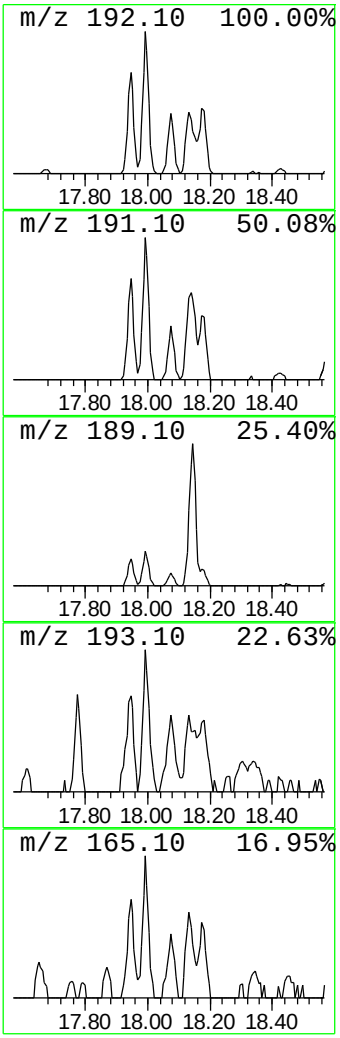
****

Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	2.06 ng/ul	39359	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004205.D
Acq On : 08 Feb 2016 18:11
Operator : SJ/IZ
Sample : H1340-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

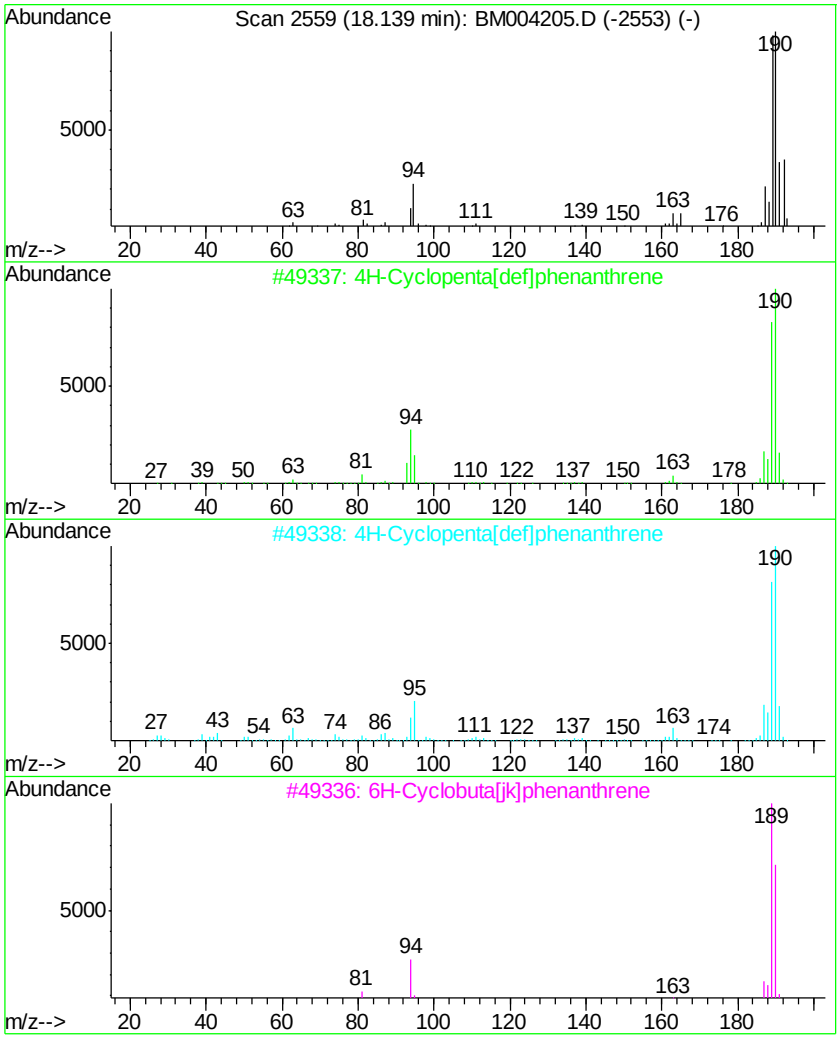
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

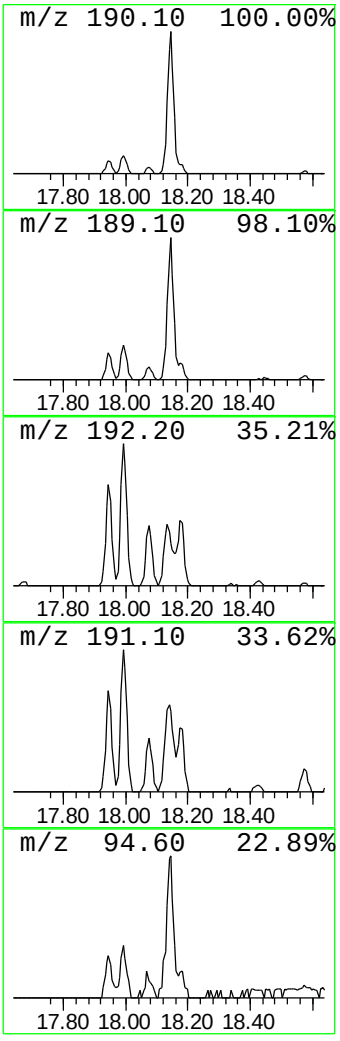
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	9.35 ng/ul	178358	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
4	Methyl diselenide	190	C2H6Se2	007101-31-7	55
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004205.D
Acq On : 08 Feb 2016 18:11
Operator : SJ/IZ
Sample : H1340-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

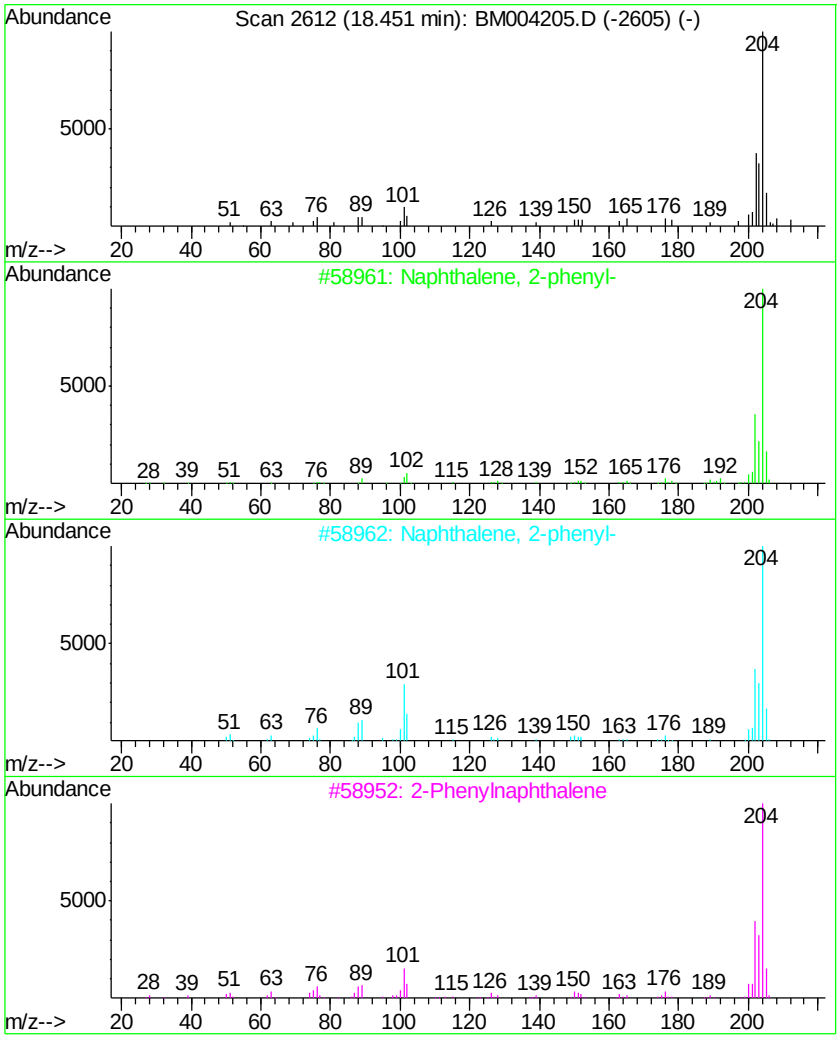
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

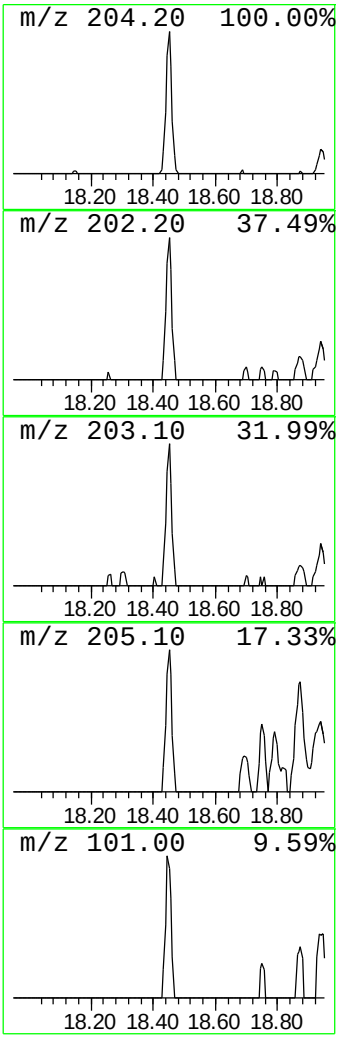
****

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	3.02 ng/ul	57609	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	81
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004205.D
Acq On : 08 Feb 2016 18:11
Operator : SJ/IZ
Sample : H1340-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

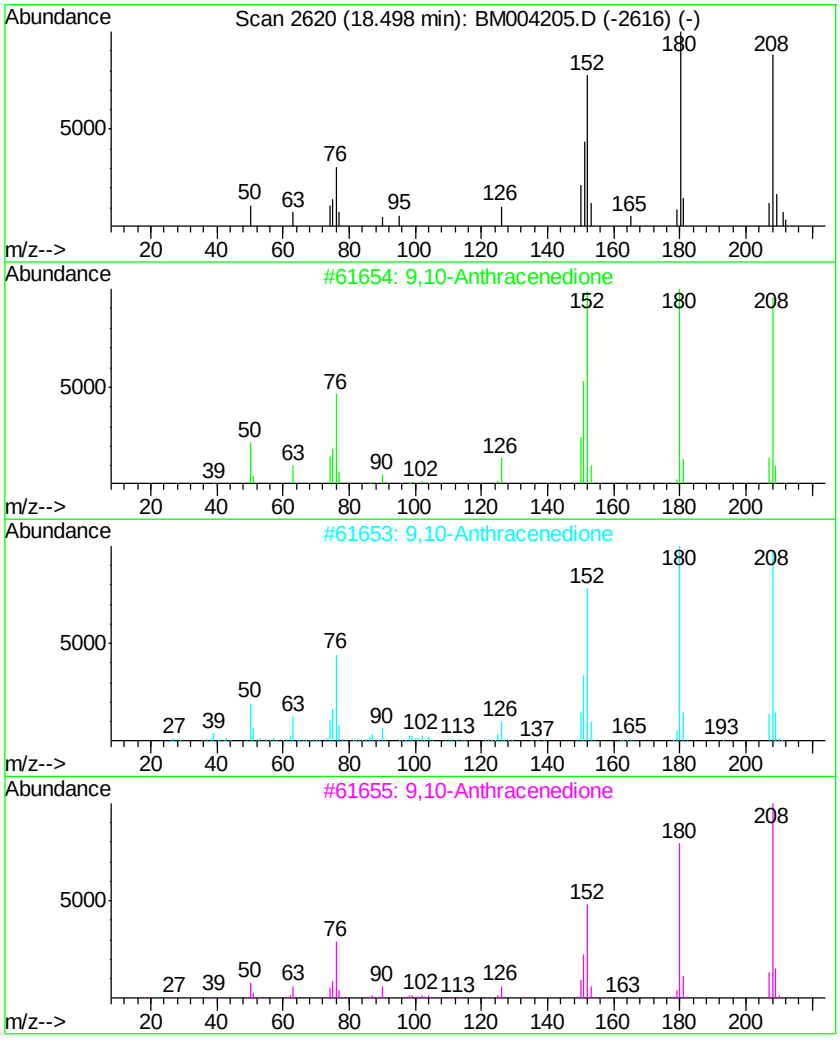
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

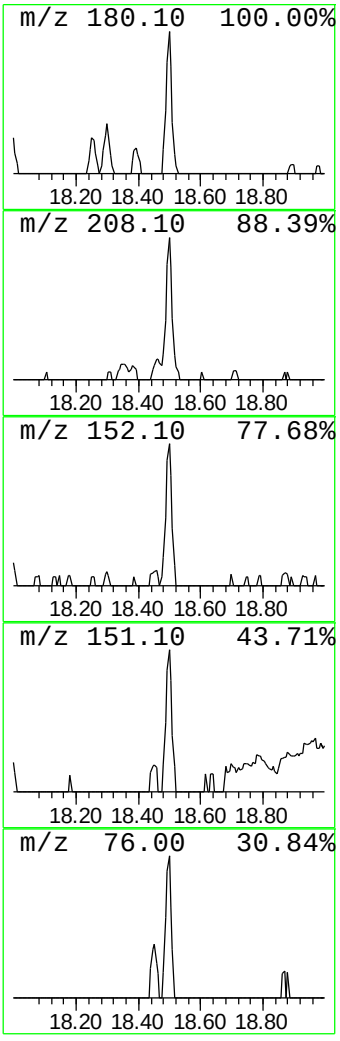
****

Peak Number 9 9,10-Anthracenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	2.15 ng/ul	41044	Phenanthrene-d10	17.07

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	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	62





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004205.D
Acq On : 08 Feb 2016 18:11
Operator : SJ/IZ
Sample : H1340-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

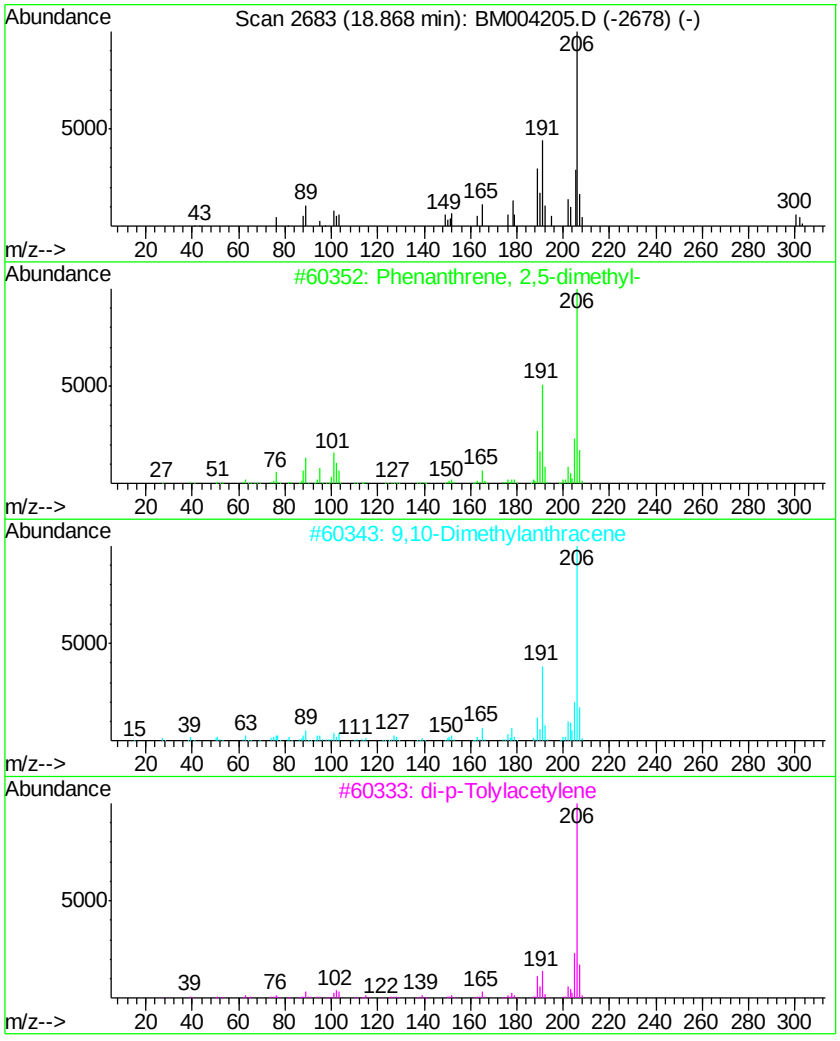
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

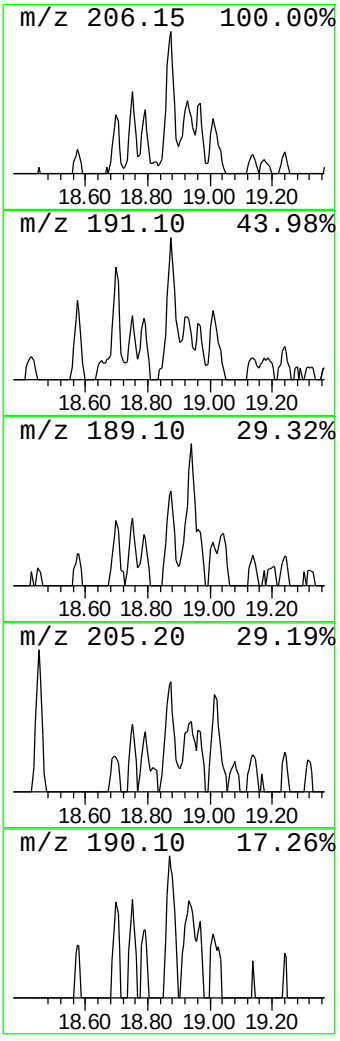
****

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	3.36 ng/ul	64102	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004205.D
Acq On : 08 Feb 2016 18:11
Operator : SJ/IZ
Sample : H1340-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

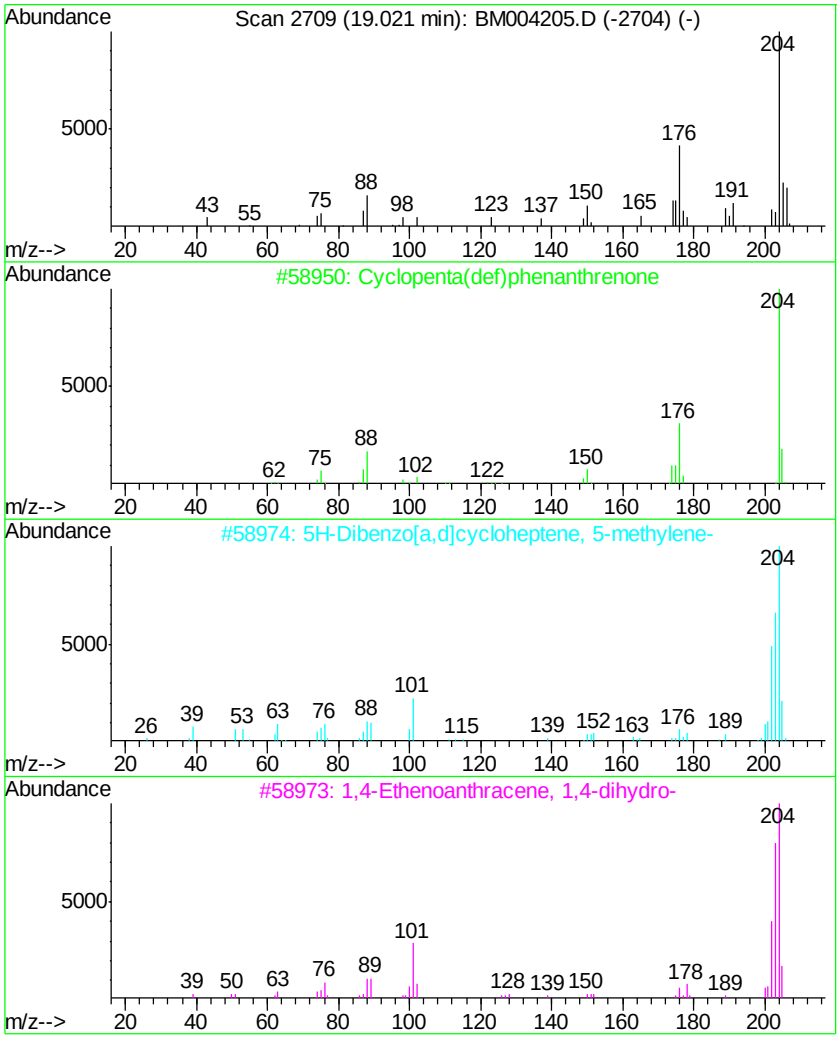
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

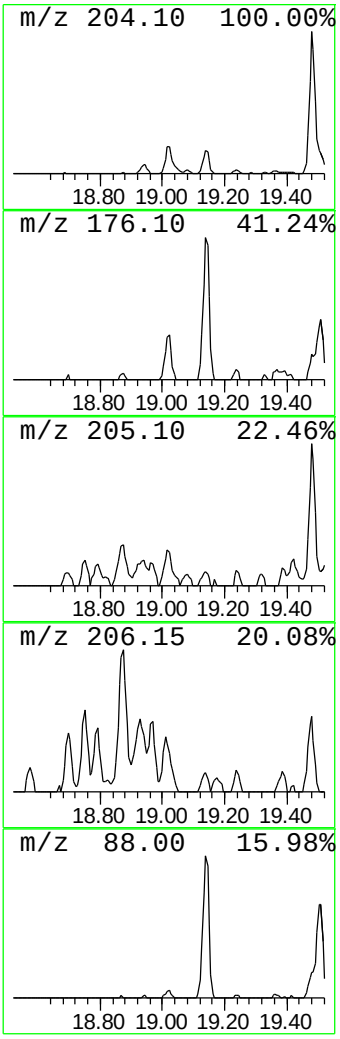
****

Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	2.75 ng/ul	52472	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	92
2	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	43
3	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	38
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	38
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	35





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004205.D
Acq On : 08 Feb 2016 18:11
Operator : SJ/IZ
Sample : H1340-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

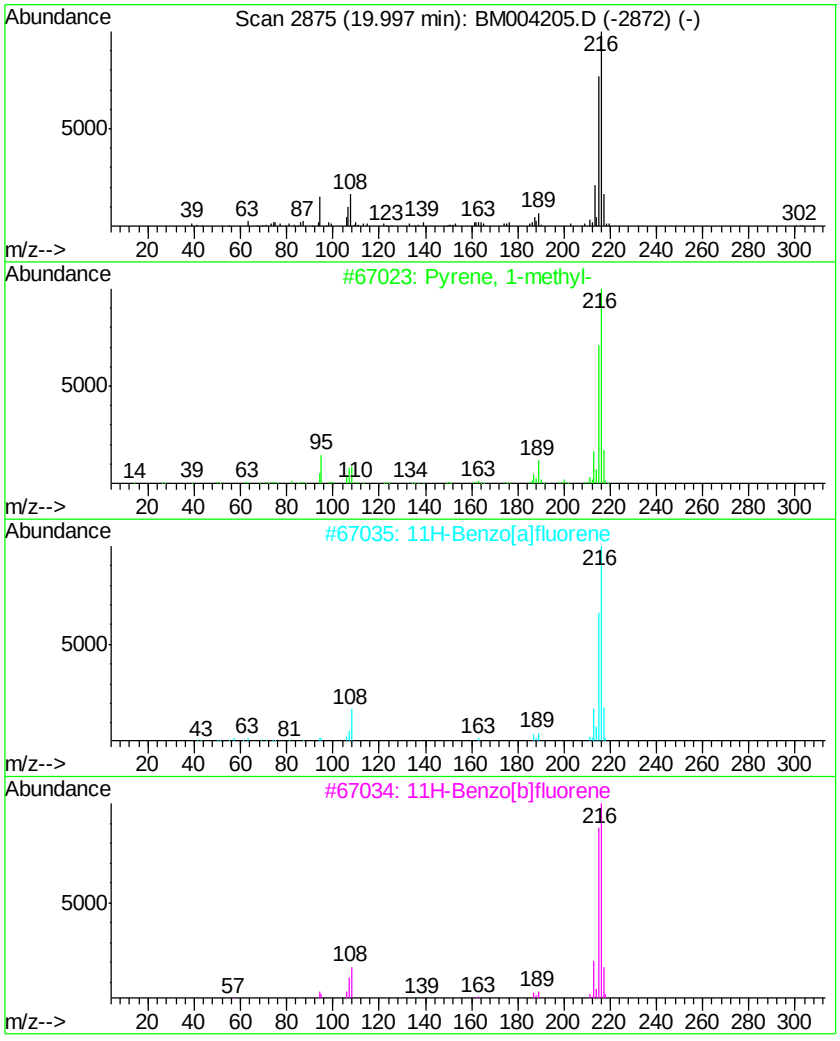
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

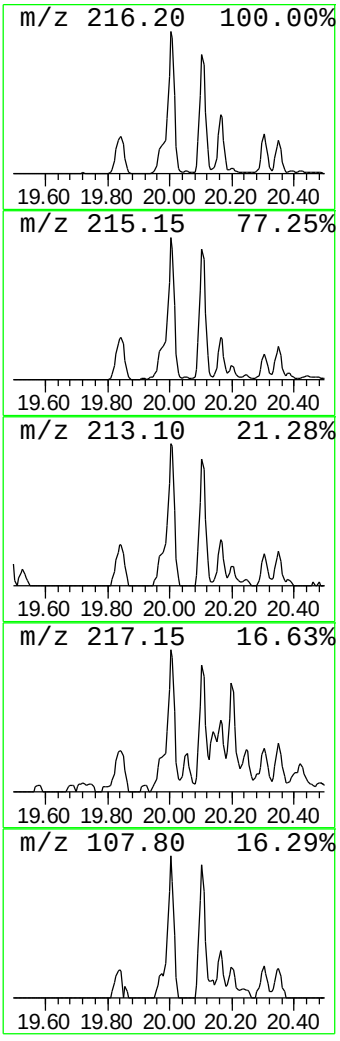
****

Peak Number 12 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	2.90 ng/ul	245345	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004205.D
Acq On : 08 Feb 2016 18:11
Operator : SJ/IZ
Sample : H1340-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

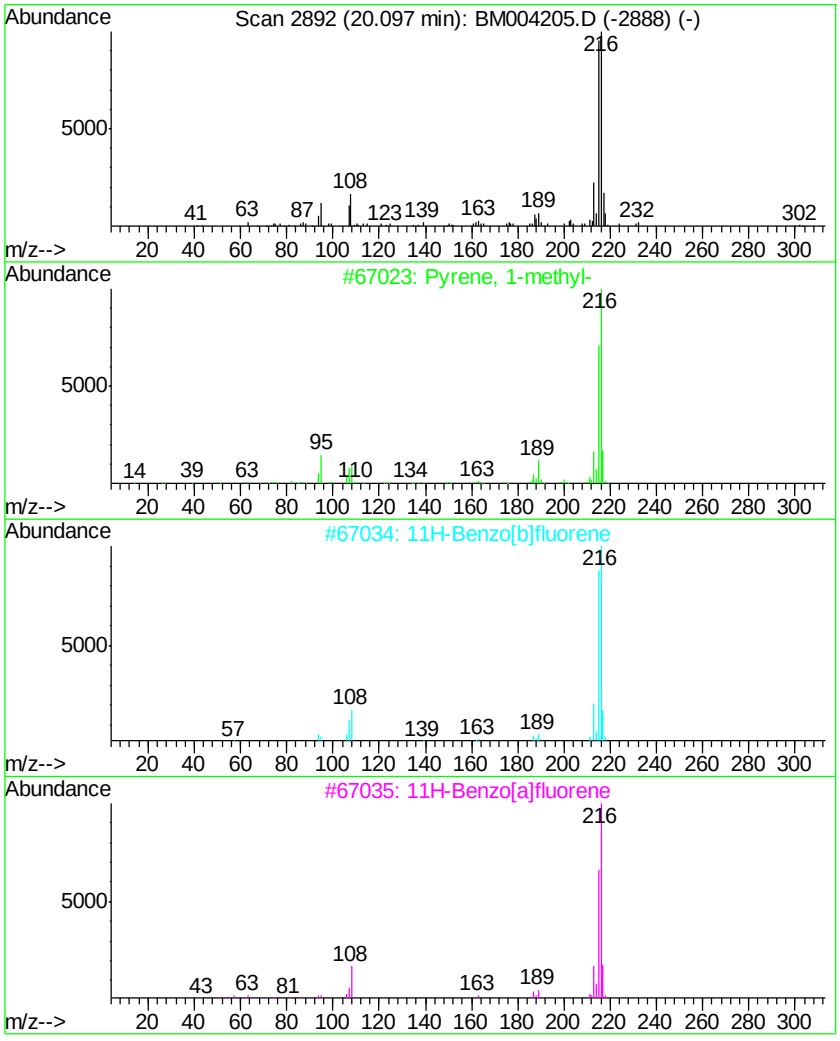
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

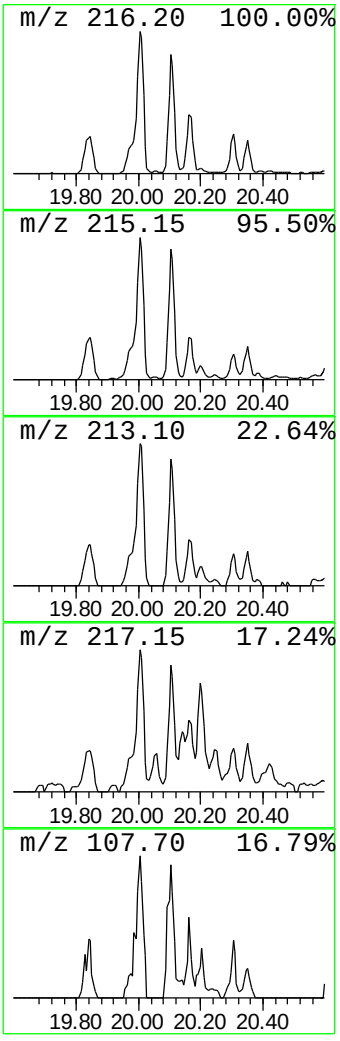
****

Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	2.32 ng/ul	196781	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004205.D
Acq On : 08 Feb 2016 18:11
Operator : SJ/IZ
Sample : H1340-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

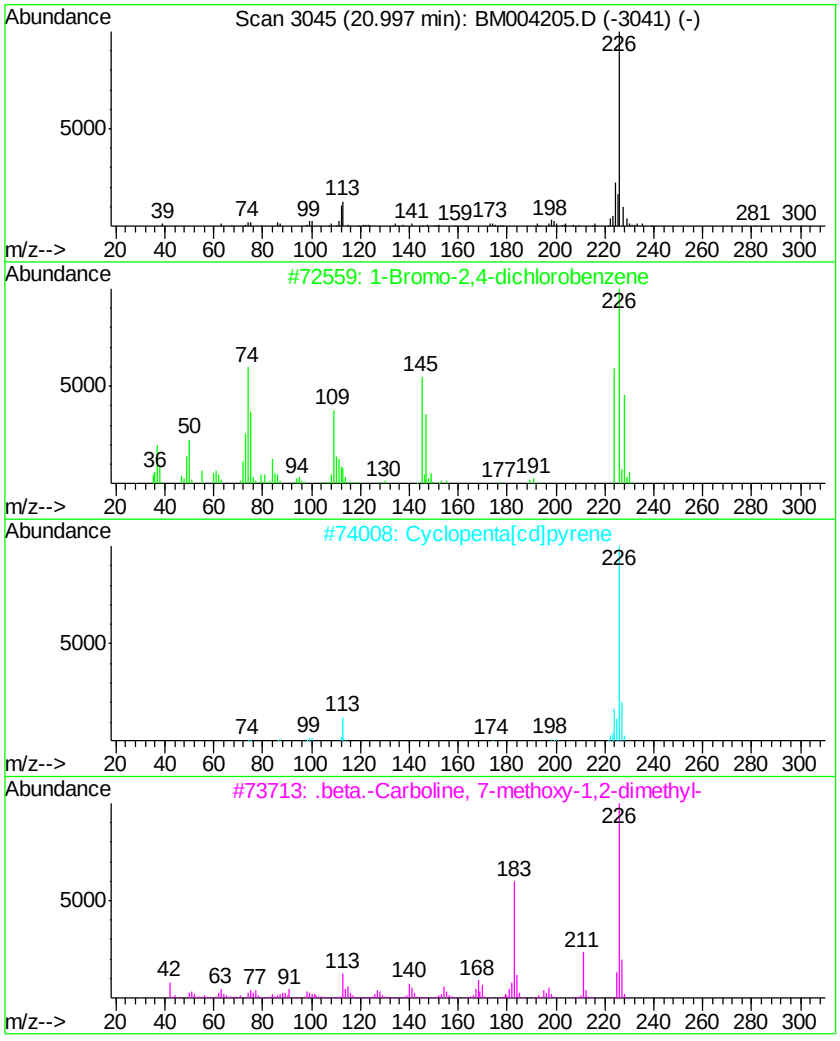
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

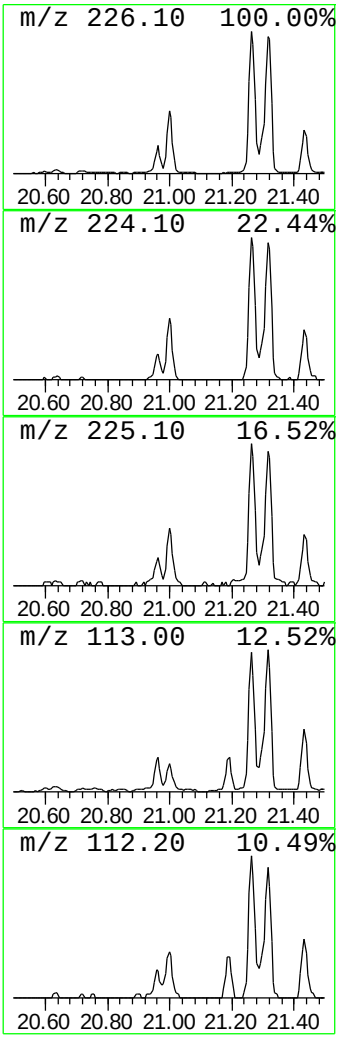
****

Peak Number 14 1-Bromo-2,4-dichlorobenzene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.00	2.65 ng/ul	224223	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Bromo-2,4-dichlorobenzene	224	C6H3BrCl2	001193-72-2	50
2	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	47
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	47
4	1,1,3,3-Tetrachloro-1,3-disilacy...	224	C2H4Cl4Si2	002146-97-6	40
5	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	37





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004205.D
Acq On : 08 Feb 2016 18:11
Operator : SJ/IZ
Sample : H1340-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

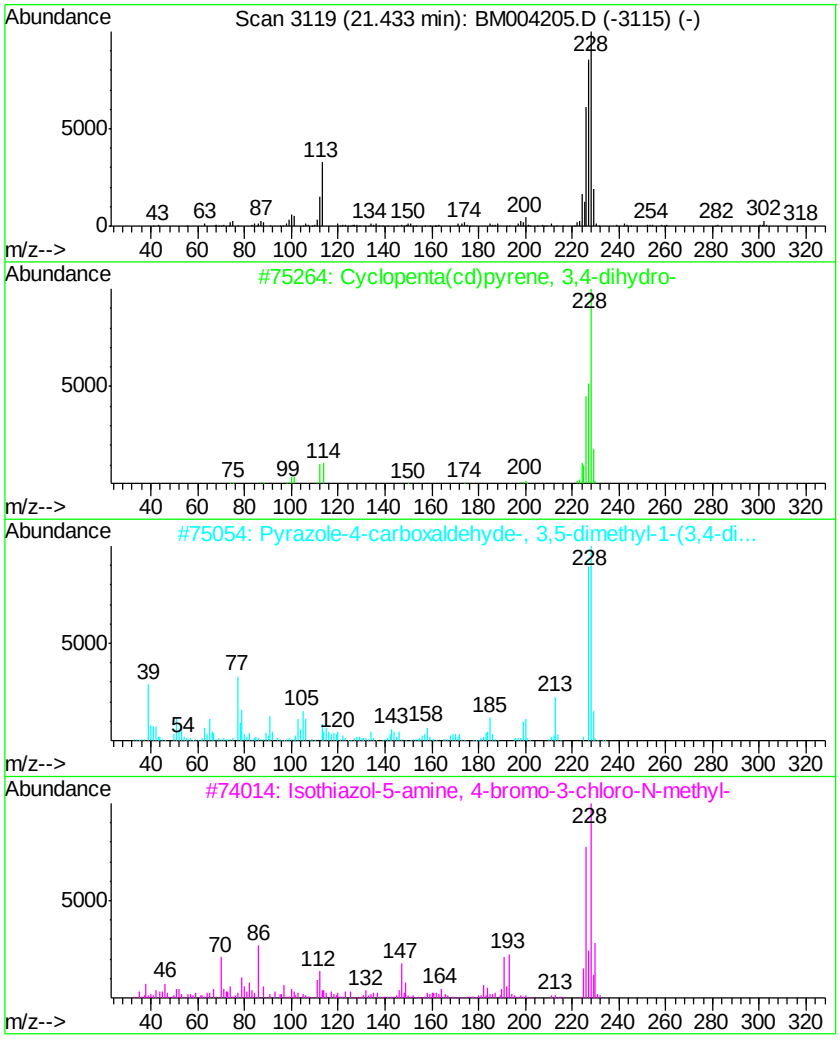
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

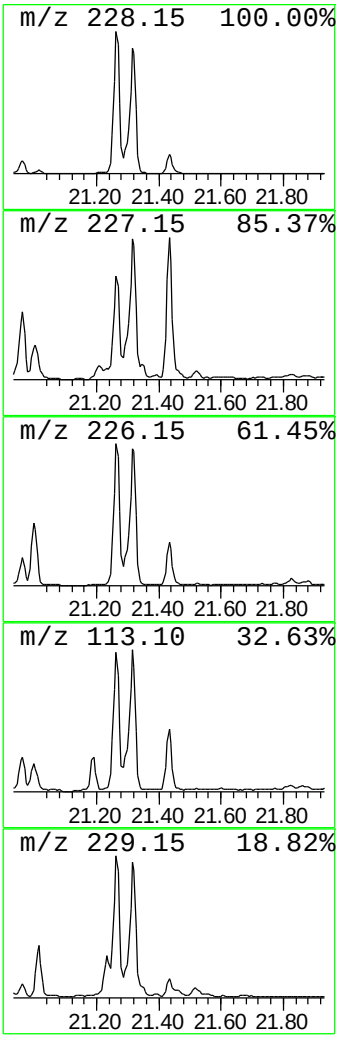
****

Peak Number 15 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.43	2.43 ng/ul	205591	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	55
2	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	50
3	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	50
4	2-Nitrophenyl selenocyanate	228	C7H4N2O2Se	051694-22-5	43
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004205.D
Acq On : 08 Feb 2016 18:11
Operator : SJ/IZ
Sample : H1340-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

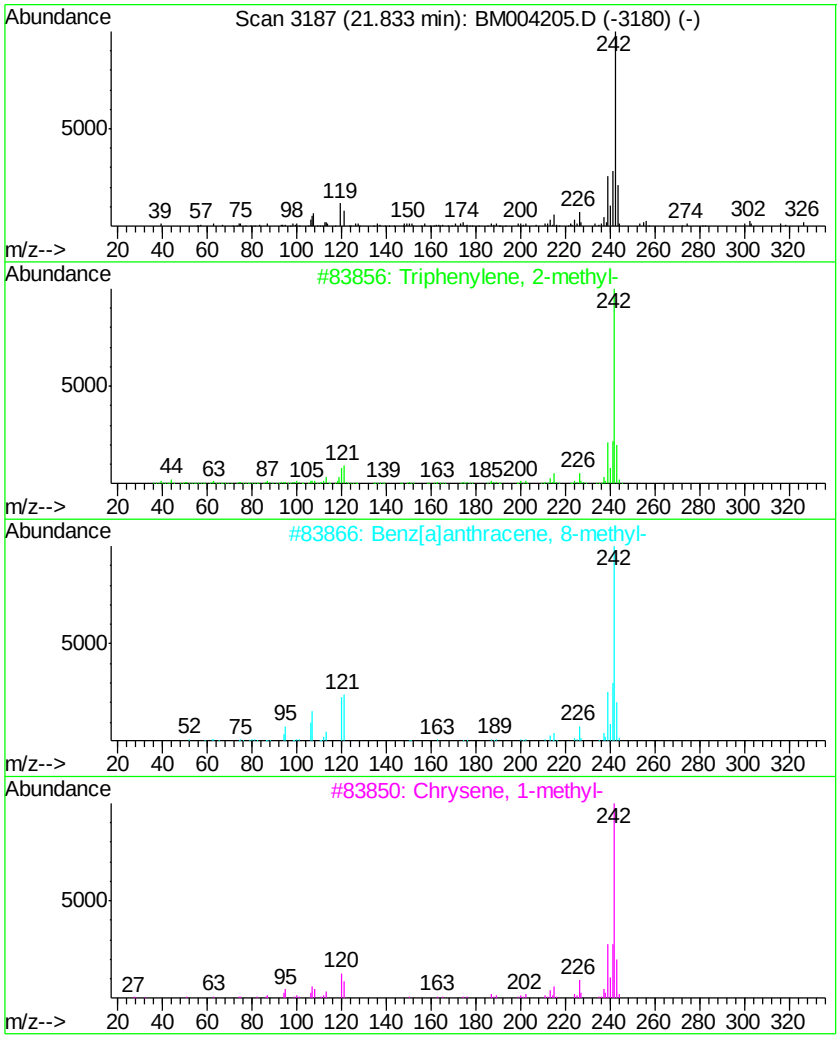
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

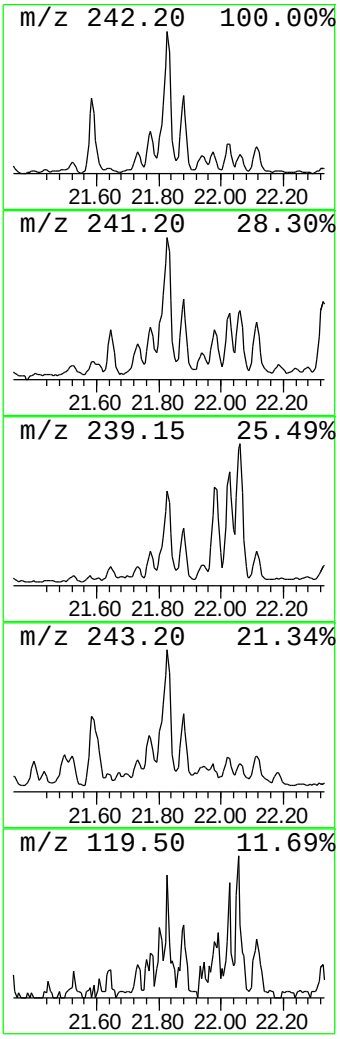
****

Peak Number 16 Triphenylene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.83	2.04 ng/ul	173070	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	97
2	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	95
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
4	Chrysene, 6-methyl-	242	C19H14	003697-24-3	89
5	Benzo[c]phenanthrene, 5-methyl-	242	C19H14	000652-04-0	89





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004205.D
Acq On : 08 Feb 2016 18:11
Operator : SJ/IZ
Sample : H1340-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

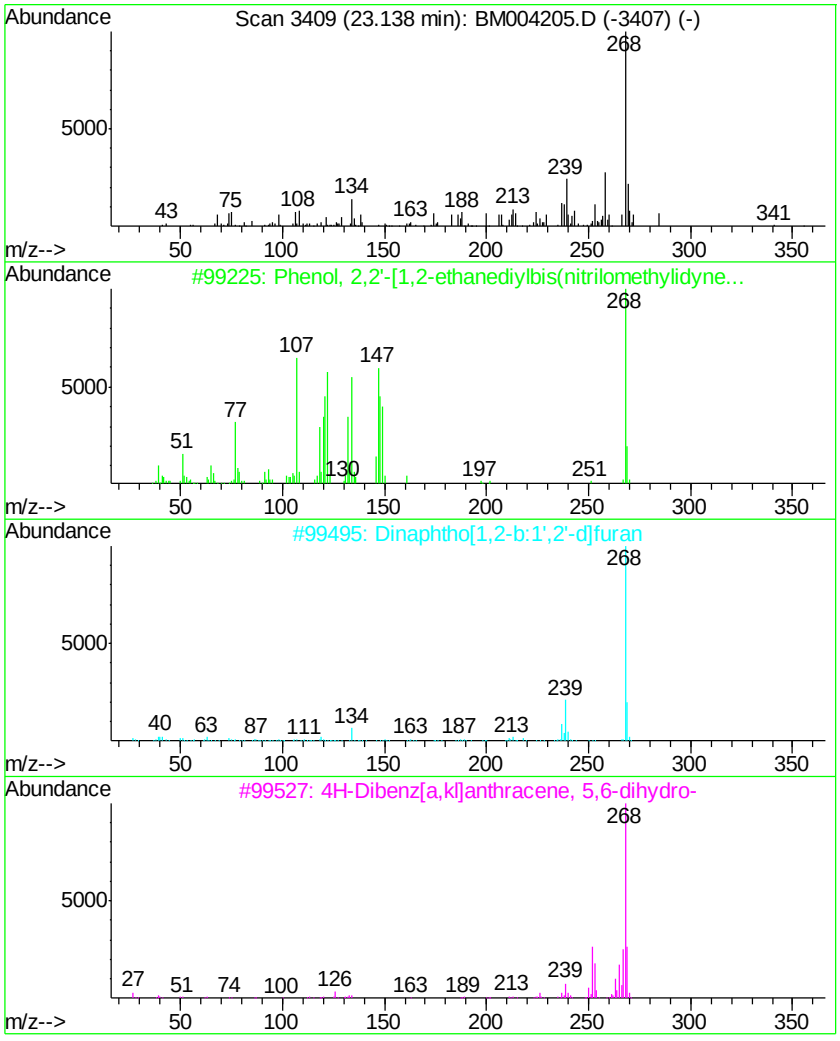
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

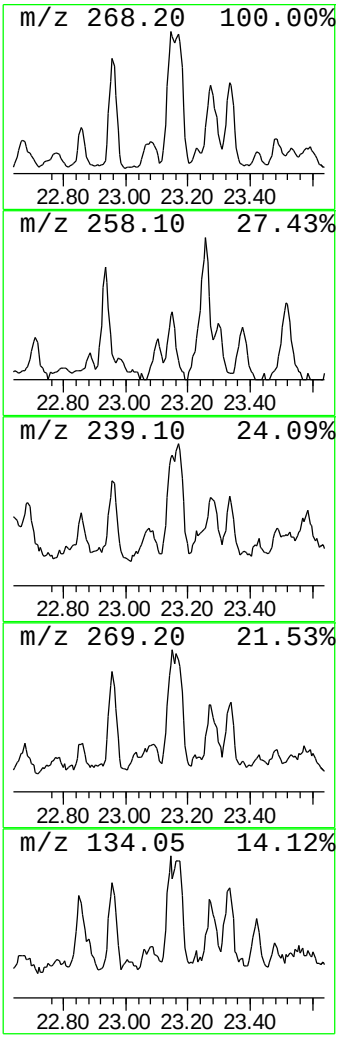
****

Peak Number 18 Phenol, 2,2'-[1,2-ethanediy... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.14	2.30 ng/ul	68243	Perylene-d12	23.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,2'-[1,2-ethanediylbis(...	268	C16H16N2O2	000094-93-9	90
2	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	64
3	4H-Dibenz[a,kl]anthracene, 5,6-d...	268	C21H16	007198-87-0	60
4	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	58
5	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	58





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004205.D
Acq On : 08 Feb 2016 18:11
Operator : SJ/IZ
Sample : H1340-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.M
Quant Title : SVOA CALIBRATION

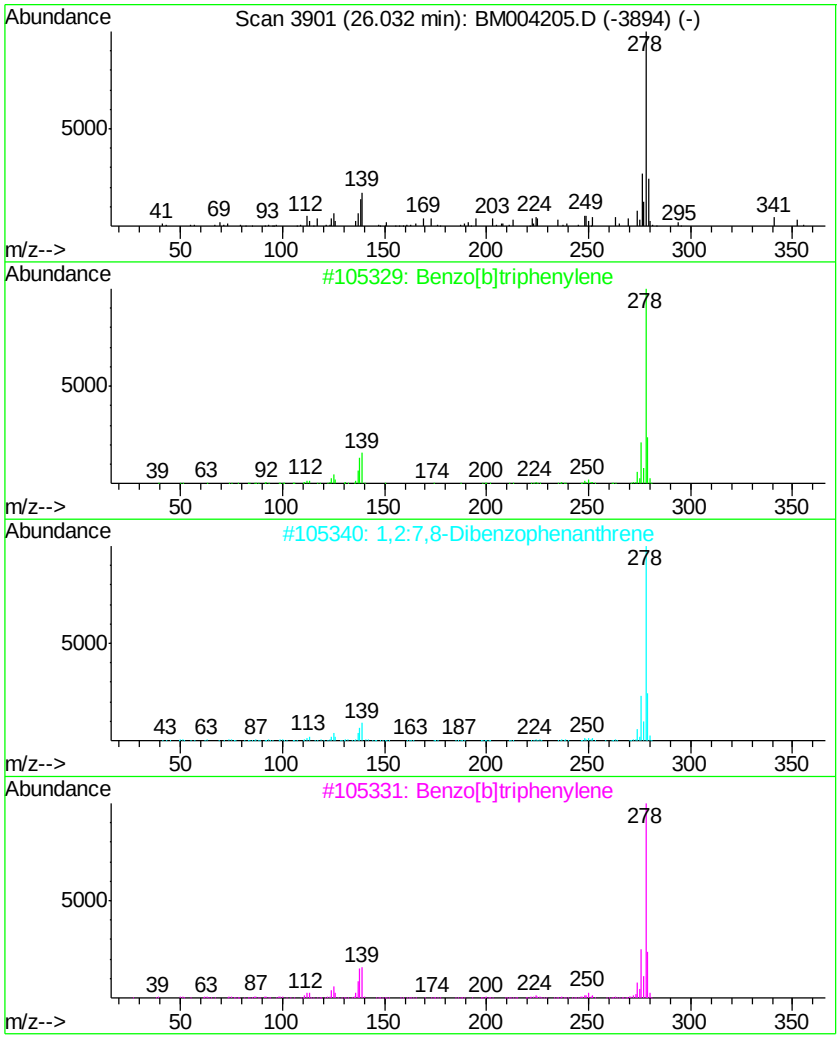
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

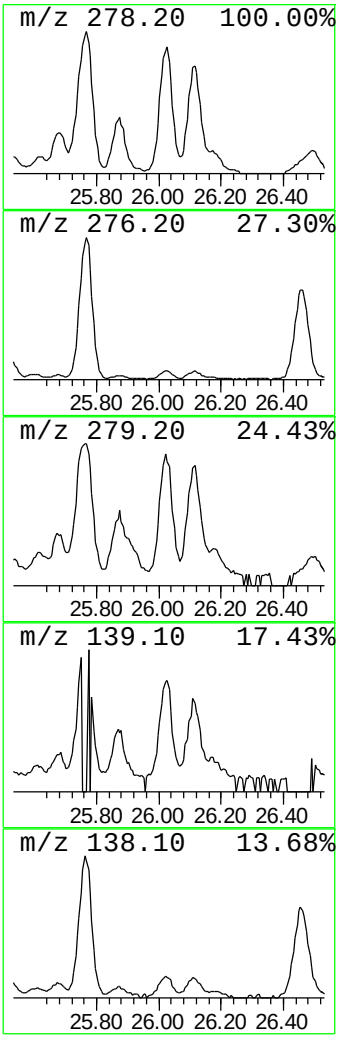
****

Peak Number 19 Benzo[b]triphenylene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.03	2.41 ng/ul	71388	Perylene-d12	23.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	94
2	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	93
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	89
4	Pentaphene	278	C22H14	000222-93-5	81
5	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020816\
Data File : BM004205.D
Acq On : 08 Feb 2016 18:11
Operator : SJ/IZ
Sample : H1340-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C04K6

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012016.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
unknown-01	3.64	6.1	ng/ul	38166	1	7.66	125234	20.0
(DEL) Alkane: Cyc...	4.08	8.0	ng/ul	49893	1	7.66	125234	20.0
unknown-02	4.49	5.8	ng/ul	36226	1	7.66	125234	20.0
Phenanthrene, 1-m...	17.94	4.8	ng/ul	91057	4	17.07	381591	20.0
Phenanthrene, 2-m...	17.99	5.4	ng/ul	102484	4	17.07	381591	20.0
1H-Cyclopropa[l]p...	18.07	2.1	ng/ul	39359	4	17.07	381591	20.0
4H-Cyclopenta[def...	18.14	9.3	ng/ul	178358	4	17.07	381591	20.0
Naphthalene, 2-ph...	18.45	3.0	ng/ul	57609	4	17.07	381591	20.0
9,10-Anthracenedione	18.50	2.1	ng/ul	41044	4	17.07	381591	20.0
Phenanthrene, 2,5...	18.87	3.4	ng/ul	64102	4	17.07	381591	20.0
Cyclopenta(def)ph...	19.02	2.8	ng/ul	52472	4	17.07	381591	20.0
Pyrene, 1-methyl-	20.00	2.9	ng/ul	245345	5	21.28	1694290	20.0
11H-Benzo[b]fluorene	20.10	2.3	ng/ul	196781	5	21.28	1694290	20.0
1-Bromo-2,4-dichl...	21.00	2.6	ng/ul	224223	5	21.28	1694290	20.0
Cyclopenta(cd)pyr...	21.43	2.4	ng/ul	205591	5	21.28	1694290	20.0
Triphenylene, 2-m...	21.83	2.0	ng/ul	173070	5	21.28	1694290	20.0
Phenol, 2,2'-[1,2...	23.14	2.3	ng/ul	68243	6	23.51	592338	20.0
Benzo[b]triphenylene	26.03	2.4	ng/ul	71388	6	23.51	592338	20.0