LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005624.D
Acq On : 24 May 2016 00:12
Operator : UM/SJ
Sample : H3087-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK2

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\SOM02.2-EPA-BM052016.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	6.975	736	746	757	rVB	349686	591500	9.73%	0.757%
2	7.134	763	773	780	rBV	273534	432276	7.11%	0.554%
3	7.334	800	807	815	rBV	361738	579345	9.53%	0.742%
4	7.798	877	886	893	rBV	576672	922754	15.18%	1.182%
5	8.510	1000	1007	1013	rBV	421264	684677	11.26%	0.877%
6	8.957	1075	1083	1091	rVB	325478	550946	9.06%	0.706%
7	9.675	1199	1205	1212	rBV	274308	457272	7.52%	0.586%
8	10.216	1290	1297	1304	rBV	441884	735570	12.10%	0.942%
9	10.592	1349	1361	1367	rBV	838489	1458536	23.99%	1.868%
10	10.727	1377	1384	1395	rBV	290204	526049	8.65%	0.674%
11	13.757	1893	1899	1904	rBV	92557	156885	2.58%	0.201%
12	13.845	1904	1914	1918	rVV	740885	1128810	18.57%	1.445%
13	13.892	1918	1922	1930	rVB	465614	679393	11.17%	0.870%
14	14.127	1956	1962	1978	rVB2	887423	1608555	26.46%	2.060%
15	14.439	2004	2015	2021	rVV2	1177643	1948129	32.04%	2.495%
16	14.498	2021	2025	2033	rVB2	79965	137865	2.27%	0.177%
17	14.645	2045	2050	2059	rBV	308521	508493	8.36%	0.651%
18	14.833	2077	2082	2089	rVB	102030	161244	2.65%	0.206%
19	14.910	2089	2095	2099	rBV	72645	101249	1.67%	0.130%
20	15.051	2111	2119	2124	rBV3	56394	125234	2.06%	0.160%
21	15.227	2141	2149	2152	rBV5	53769	131720	2.17%	0.169%
22	15.427	2174	2183	2188	rBV	1127775	1661917	27.33%	2.128%
23	15.486	2188	2193	2200	rVB	251923	385628	6.34%	0.494%
24	15.551	2200	2204	2211	rBV	164271	253728	4.17%	0.325%
25	15.774	2237	2242	2250	rVB	62938	119337	1.96%	0.153%
26	15.927	2265	2268	2275	rVB2	58744	104453	1.72%	0.134%
27	16.145	2299	2305	2313	rBV6	120158	290677	4.78%	0.372%
28	16.486	2354	2363	2368	rBV3	124774	279761	4.60%	0.358%
29	16.533	2368	2371	2376	rVB2	71375	102829	1.69%	0.132%
30	16.633	2384	2388	2394	rVB	75586	117721	1.94%	0.151%
31	16.715	2394	2402	2405	rBV4	57240	123439	2.03%	0.158%
32	16.757	2405	2409	2417	rVV	65017	130826	2.15%	0.168%
33	16.839	2419	2423	2429	rVV3	64099	114020	1.88%	0.146%
34	16.933	2437	2439	2443	rVV2	71250	103829	1.71%	0.133%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005624.D
Acq On : 24 May 2016 00:12
Operator : UM/SJ
Sample : H3087-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK2

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\SOM02.2-EPA-BM052016.M
Title : SVOA CALIBRATION

35	16.998	2445	2450	2459	rVB	134247	235490	3.87%	0.302%
36	17.180	2475	2481	2484	rBV	1514062	2217263	36.47%	2.839%
37	17.221	2484	2488	2493	rVV	2365110	3410803	56.10%	4.368%
38	17.274	2493	2497	2501	rVV2	1165259	1836572	30.21%	2.352%
39	17.309	2501	2503	2508	rVB	614940	763242	12.55%	0.977%
40	17.368	2508	2513	2518	rBV2	86434	158720	2.61%	0.203%
41	17.580	2538	2549	2553	rBV2	102129	256128	4.21%	0.328%
42	17.698	2565	2569	2575	rVB	140644	186192	3.06%	0.238%
43	17.762	2575	2580	2588	rVB2	73260	139904	2.30%	0.179%
44	18.051	2624	2629	2633	rBV	439121	654532	10.77%	0.838%
45	18.098	2633	2637	2643	rVB	525260	783011	12.88%	1.003%
46	18.180	2646	2651	2657	rBV	213835	325909	5.36%	0.417%
47	18.251	2657	2663	2666	rVV2	756837	1351387	22.23%	1.730%
48	18.286	2666	2669	2675	rVB	349185	478590	7.87%	0.613%
49	18.362	2678	2682	2686	rBV5	67638	100342	1.65%	0.128%
50	18.551	2710	2714	2718	rVV	473611	627899	10.33%	0.804%
51	18.598	2718	2722	2727	rVB2	107126	160551	2.64%	0.206%
52	18.798	2752	2756	2760	rVB3	157167	204790	3.37%	0.262%
53	18.851	2761	2765	2768	rVV	98548	130081	2.14%	0.167%
54	18.886	2768	2771	2775	rVB2	82558	100028	1.65%	0.128%
55	18.968	2780	2785	2791	rBV	257839	499060	8.21%	0.639%
56	19.033	2791	2796	2799	rBV3	131197	208000	3.42%	0.266%
57	19.062	2799	2801	2805	rVB	157810	174841	2.88%	0.224%
58	19.109	2805	2809	2812	rBV	121750	208146	3.42%	0.267%
59	19.239	2824	2831	2836	rBV	4242840	6080133	100.00%	7.786%
60	19.298	2836	2841	2844	rBV2	145460	208544	3.43%	0.267%
61	19.333	2844	2847	2851	rVB2	112759	140383	2.31%	0.180%
62	19.386	2851	2856	2860	rBV	241729	332016	5.46%	0.425%
63	19.480	2868	2872	2875	rBV	87231	113833	1.87%	0.146%
64	19.568	2881	2887	2889	rBV3	1855320	2703621	44.47%	3.462%
65	19.603	2889	2893	2900	rVV	3883203	5747668	94.53%	7.360%
66	19.668	2900	2904	2911	rVB2	216168	371270	6.11%	0.475%
67	19.774	2918	2922	2928	rVB	189262	285805	4.70%	0.366%
68	19.839	2929	2933	2937	rVB	131395	194810	3.20%	0.249%
69	19.921	2941	2947	2954	rBV4	294215	696746	11.46%	0.892%
70	20.009	2959	2962	2965	rVV2	154451	187505	3.08%	0.240%
71	20.092	2965	2976	2982	rVB	796621	1562714	25.70%	2.001%

LSC Area Percent Report

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Data File : BM005624.D
Acq On : 24 May 2016 00:12
Operator : UM/SJ
Sample : H3087-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK2

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\SOM02.2-EPA-BM052016.M
Title : SVOA CALIBRATION

72	20.192	2988	2993	2997	rBV	734254	935422	15.38%	1.198%
73	20.250	2997	3003	3007	rVV3	406406	605402	9.96%	0.775%
74	20.339	3013	3018	3022	rBV3	76009	159748	2.63%	0.205%
75	20.392	3023	3027	3030	rBV	279451	379725	6.25%	0.486%
76	20.433	3030	3034	3039	rVB2	273988	394063	6.48%	0.505%
77	20.544	3050	3053	3058	rVB3	111027	155735	2.56%	0.199%
78	20.680	3073	3076	3079	rBV	86988	118757	1.95%	0.152%
79	20.797	3092	3096	3099	rBV2	110367	182524	3.00%	0.234%
80	20.839	3100	3103	3109	rVB2	182033	311556	5.12%	0.399%
81	21.003	3127	3131	3134	rBV	232255	278664	4.58%	0.357%
82	21.039	3134	3137	3140	rVV	347423	433718	7.13%	0.555%
83	21.080	3140	3144	3149	rVB2	310391	540718	8.89%	0.692%
84	21.350	3184	3190	3194	rBV2	2483876	5118875	84.19%	6.555%
85	21.392	3194	3197	3207	rVB	2165394	2833263	46.60%	3.628%
86	21.509	3213	3217	3222	rBV	300174	437798	7.20%	0.561%
87	21.562	3223	3226	3230	rVV	153095	192131	3.16%	0.246%
88	21.668	3241	3244	3249	rVB3	140097	221046	3.64%	0.283%
89	21.909	3282	3285	3289	rVB	282544	335770	5.52%	0.430%
90	21.962	3291	3294	3300	rVB	205996	283011	4.65%	0.362%
91	22.109	3316	3319	3322	rBV2	176867	254246	4.18%	0.326%
92	22.144	3322	3325	3331	rVB3	248809	370316	6.09%	0.474%
93	22.209	3332	3336	3345	rVB2	250714	420077	6.91%	0.538%
94	22.950	3455	3462	3467	rBV	1051433	2699387	44.40%	3.457%
95	23.121	3487	3491	3498	rVB	231566	385642	6.34%	0.494%
96	23.438	3539	3545	3549	rBV	662809	1301697	21.41%	1.667%
97	23.485	3549	3553	3557	rVV2	878951	1658680	27.28%	2.124%
98	23.533	3557	3561	3568	rVB	1165086	2135083	35.12%	2.734%
99	23.633	3572	3578	3583	rBV	1176047	2168653	35.67%	2.777%
100	25.932	3962	3969	3981	rVB	506609	1529894	25.16%	1.959%

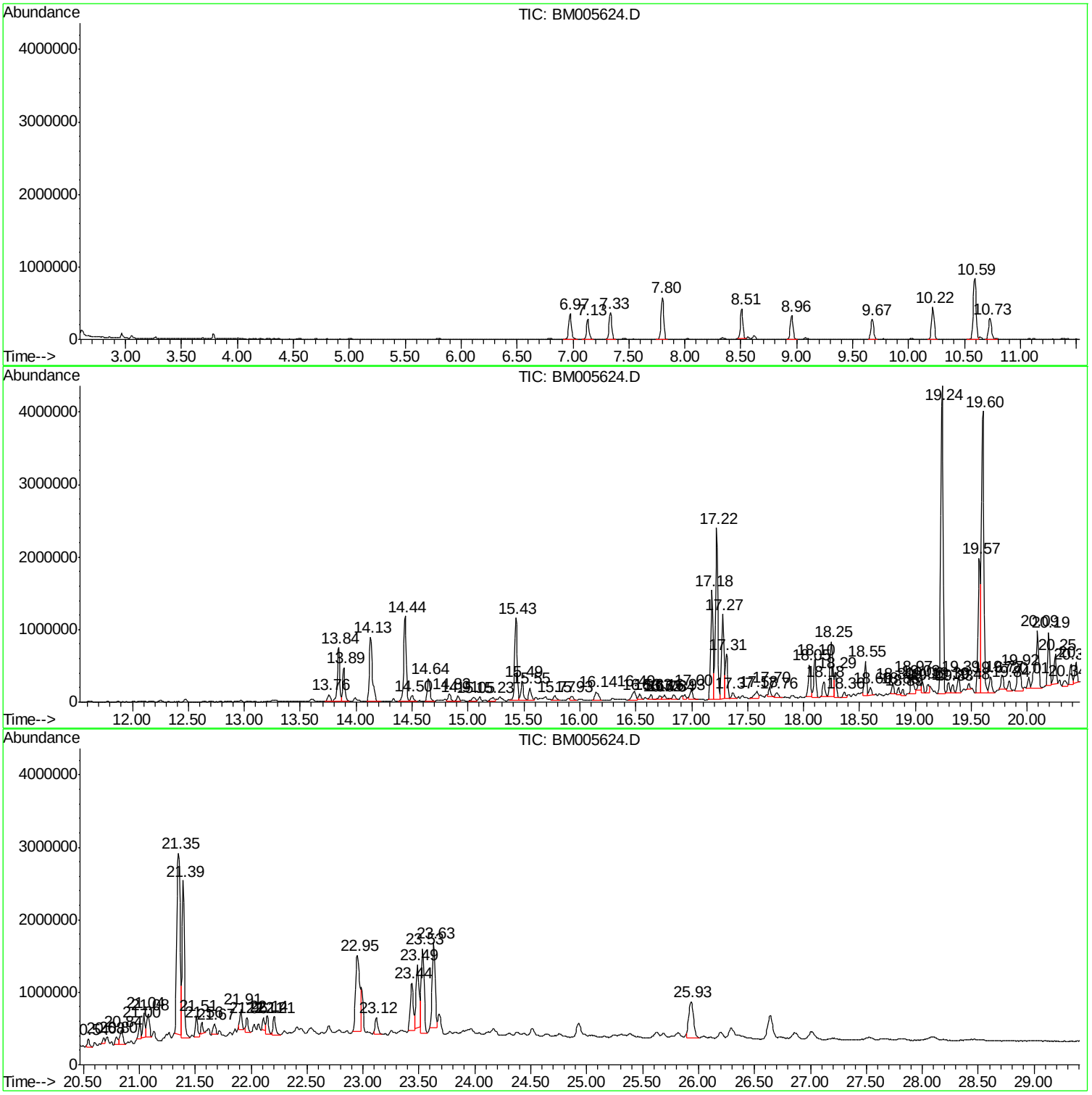
Sum of corrected areas: 78092797

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005624.D
Acq On : 24 May 2016 00:12
Operator : UM/SJ
Sample : H3087-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGK2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005624.D
Acq On : 24 May 2016 00:12
Operator : UM/SJ
Sample : H3087-07
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Instrument : BNA_M
ClientSampleId : JHGK2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

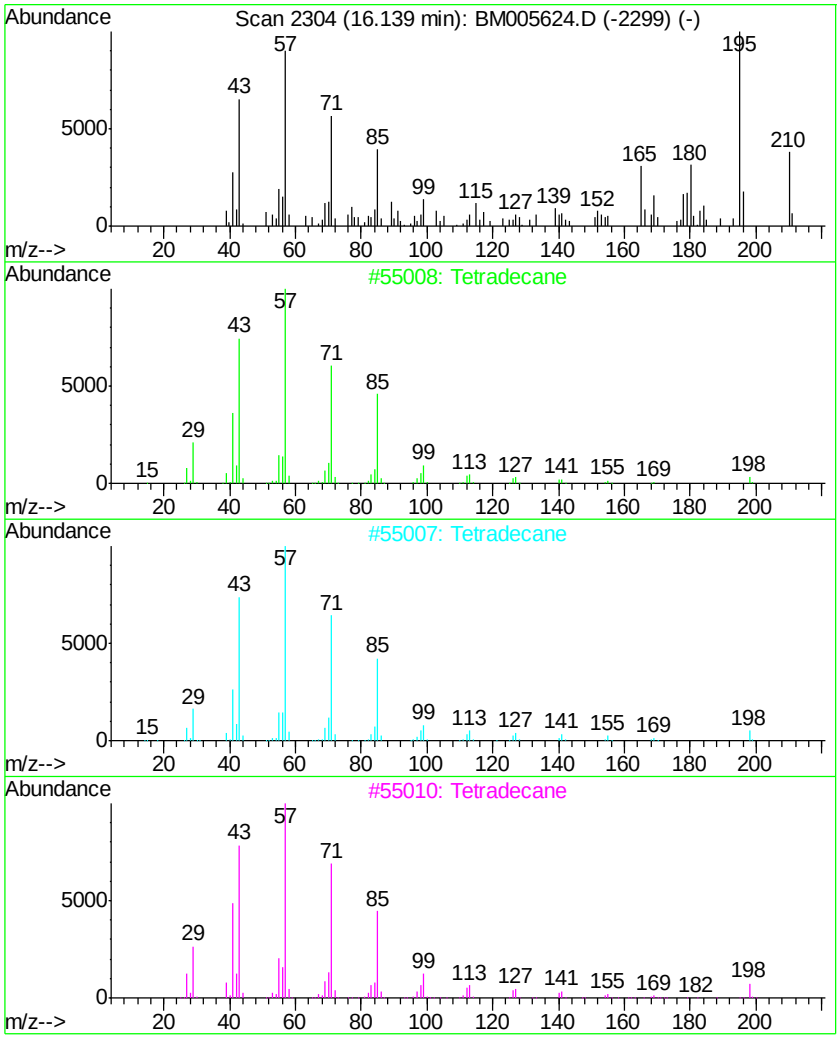
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

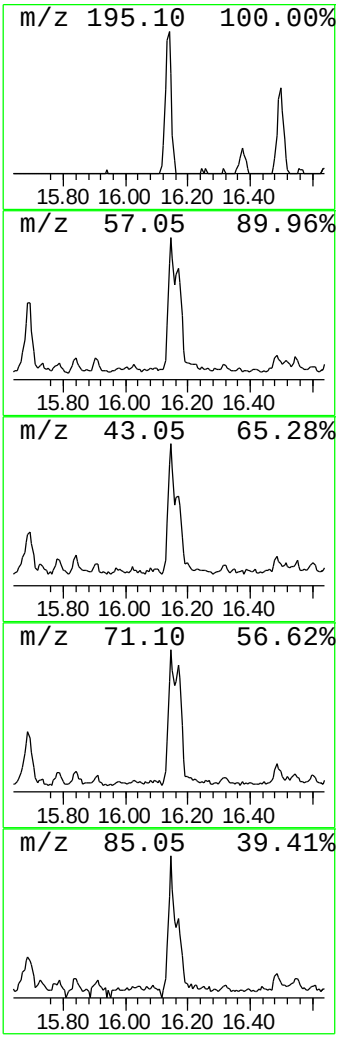
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.14	2.62 ng/ul	290677	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	80
2	Tetradecane	198	C14H30	000629-59-4	80
3	Tetradecane	198	C14H30	000629-59-4	59
4	Tridecane	184	C13H28	000629-50-5	55
5	Tridecane	184	C13H28	000629-50-5	55





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005624.D
Acq On : 24 May 2016 00:12
Operator : UM/SJ
Sample : H3087-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

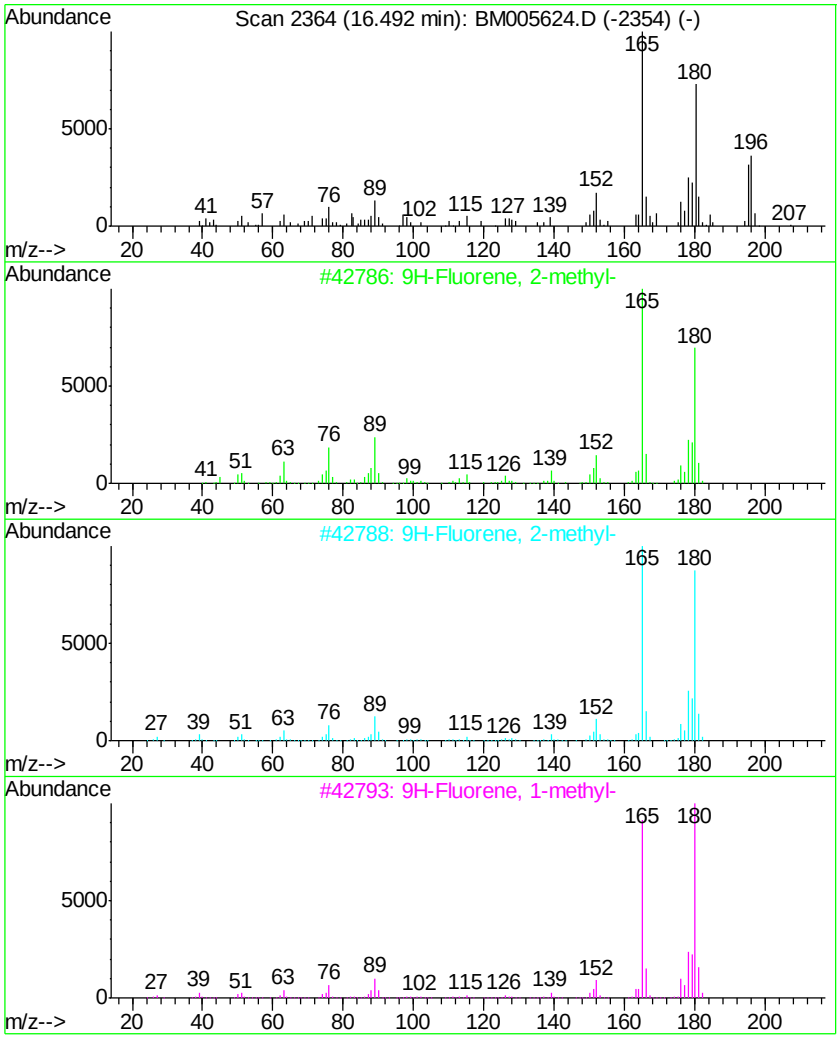
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

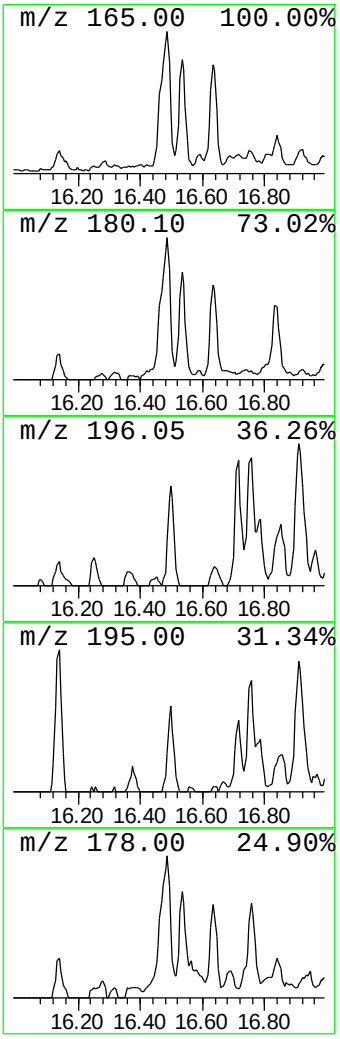
****

Peak Number 2 9H-Fluorene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	2.52 ng/ul	279761	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005624.D
Acq On : 24 May 2016 00:12
Operator : UM/SJ
Sample : H3087-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

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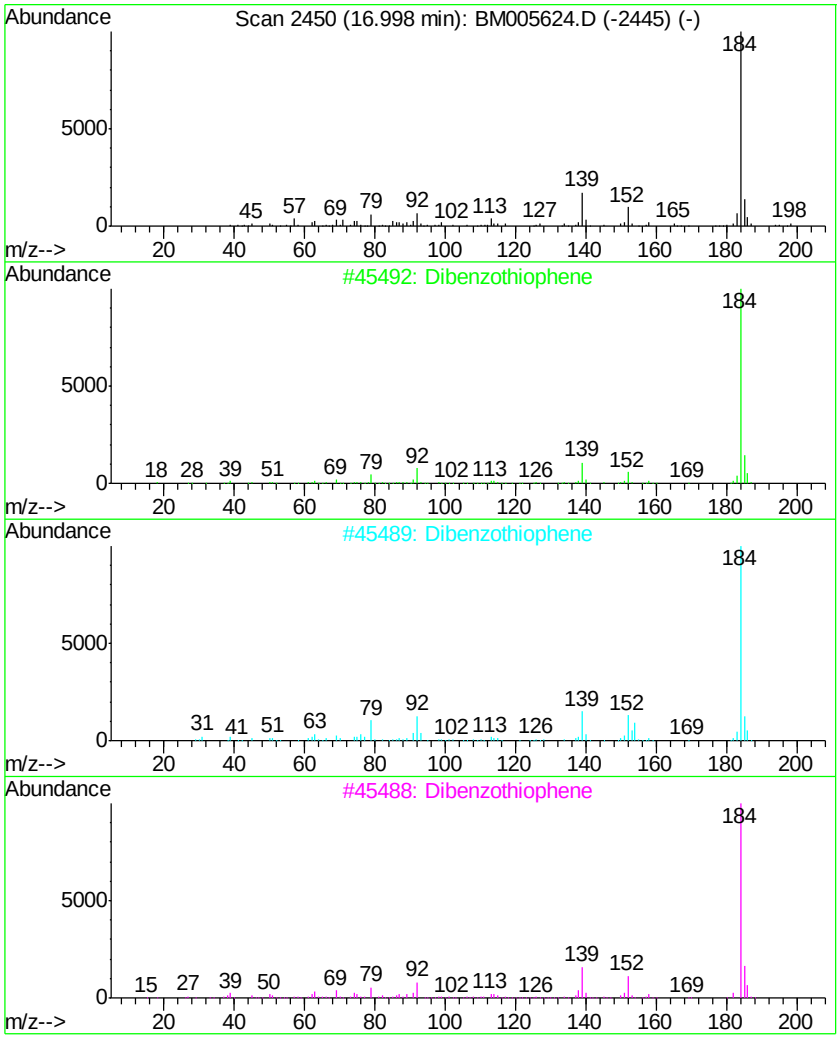
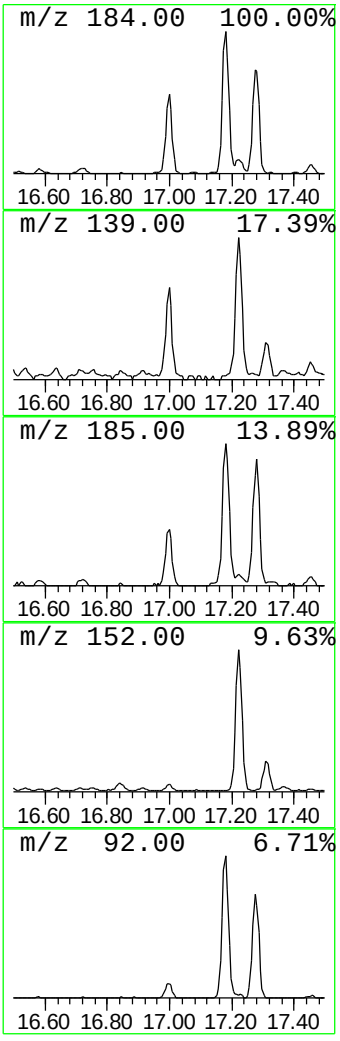
Peak Number 3 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.00	2.12 ng/ul	235490	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	93
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005624.D
Acq On : 24 May 2016 00:12
Operator : UM/SJ
Sample : H3087-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

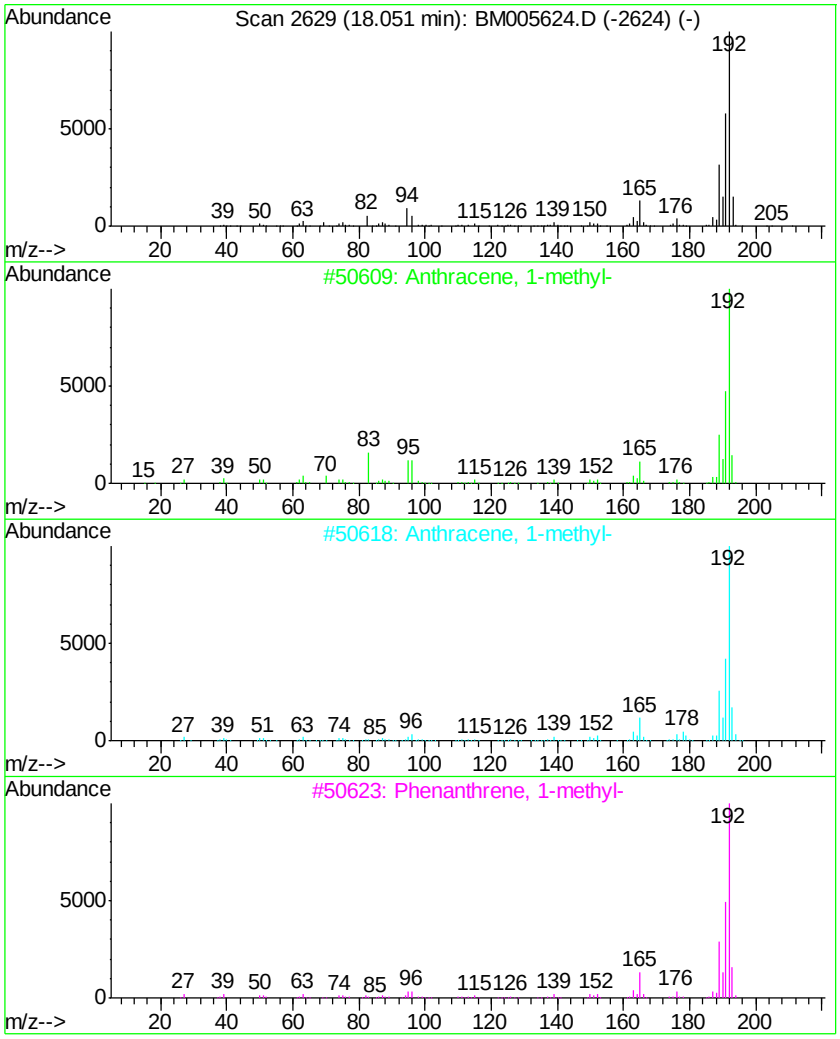
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

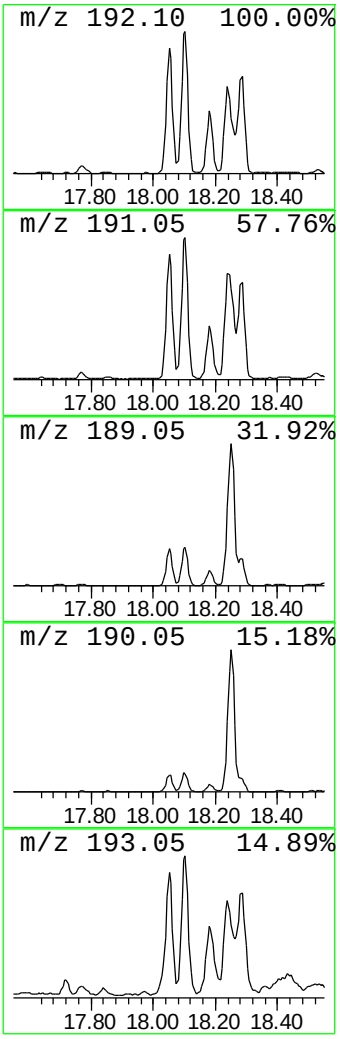
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	5.90 ng/ul	654532	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005624.D
Acq On : 24 May 2016 00:12
Operator : UM/SJ
Sample : H3087-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

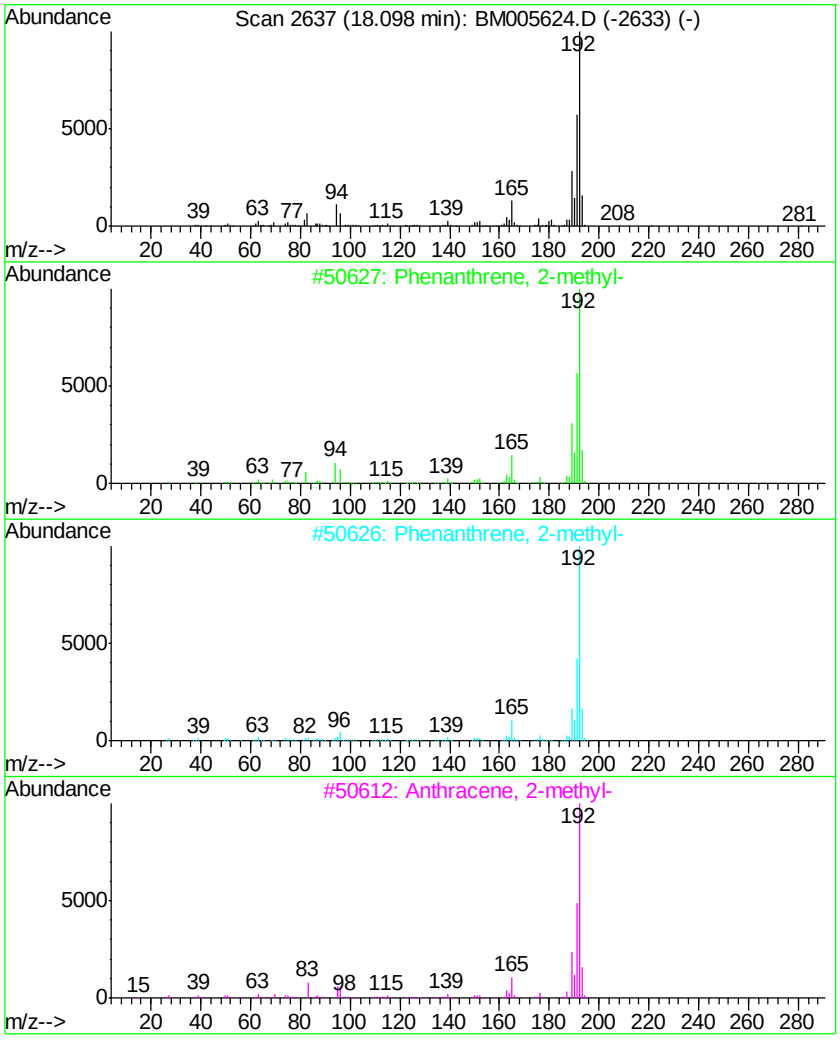
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

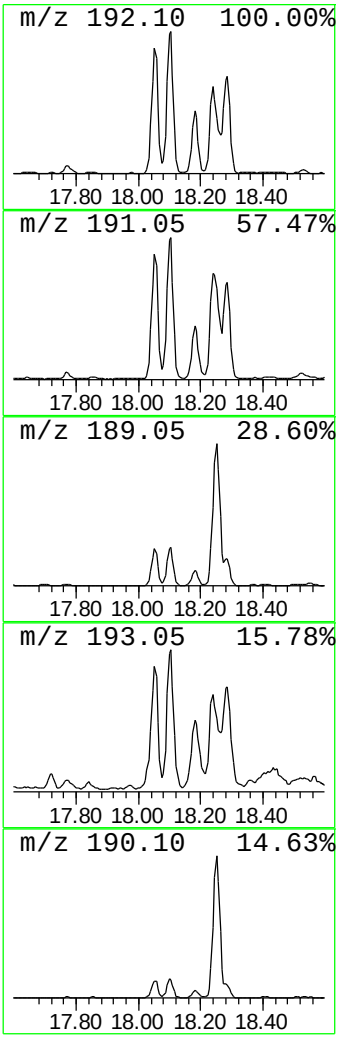
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	7.06 ng/ul	783011	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005624.D
Acq On : 24 May 2016 00:12
Operator : UM/SJ
Sample : H3087-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

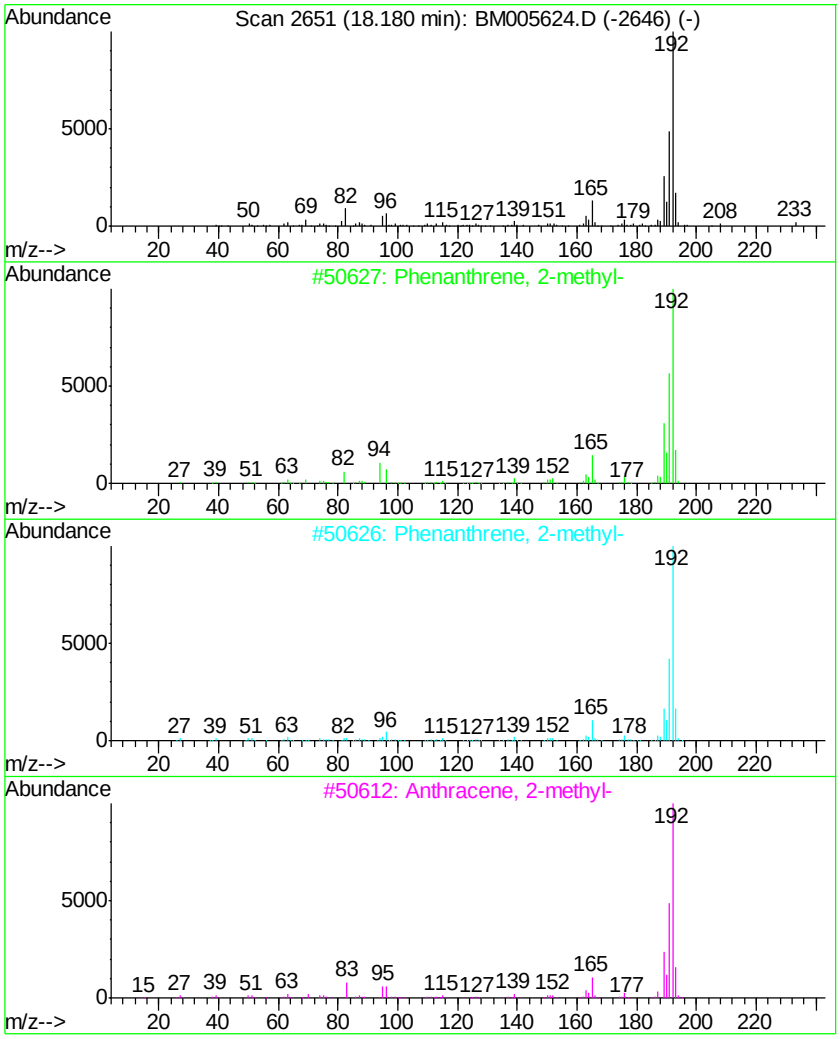
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

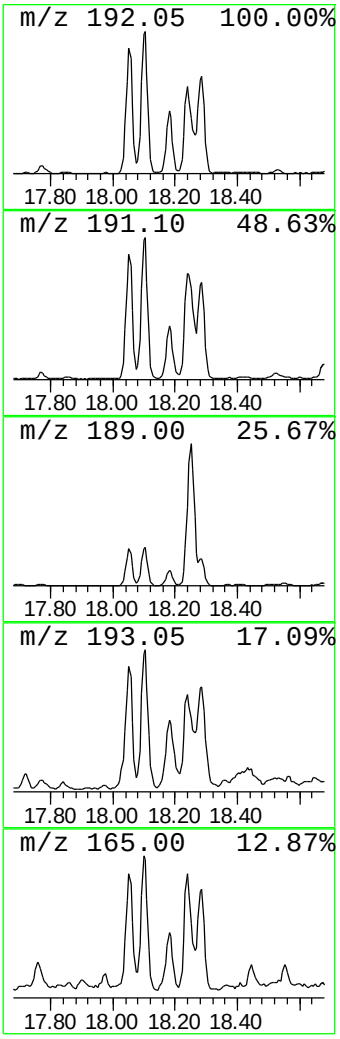
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	2.94 ng/ul	325909	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





Library Search Compound Report

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Operator : UM/SJ
Sample : H3087-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

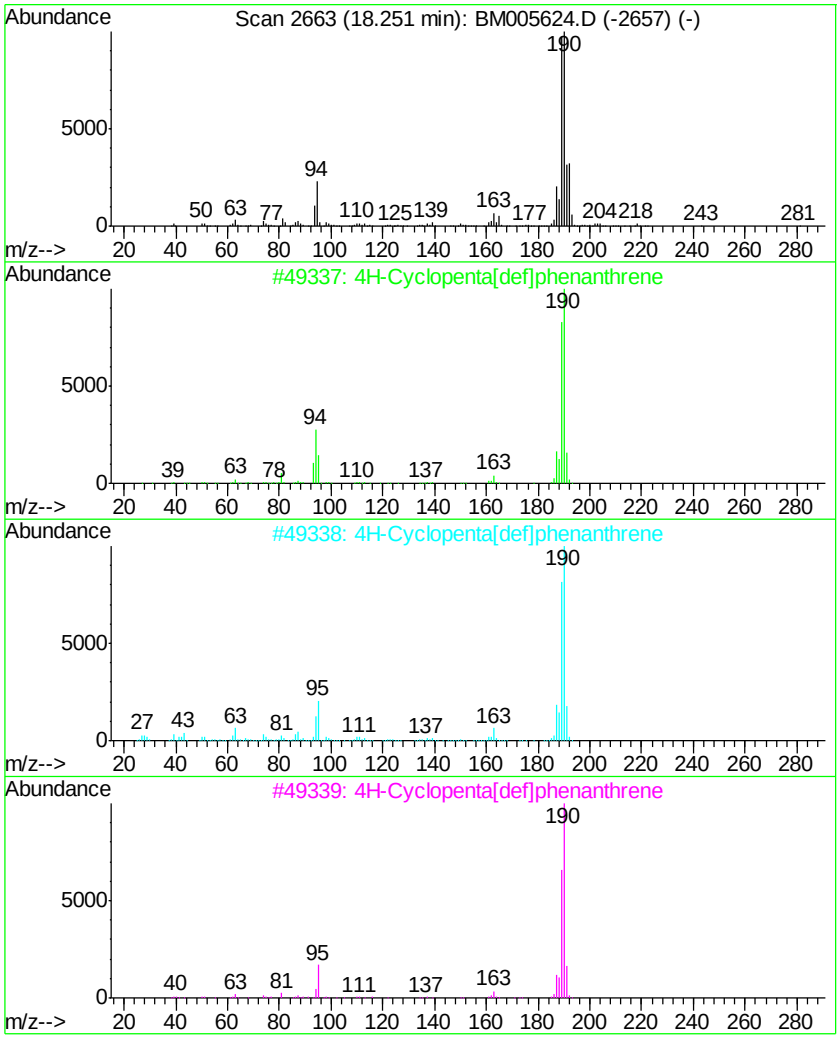
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

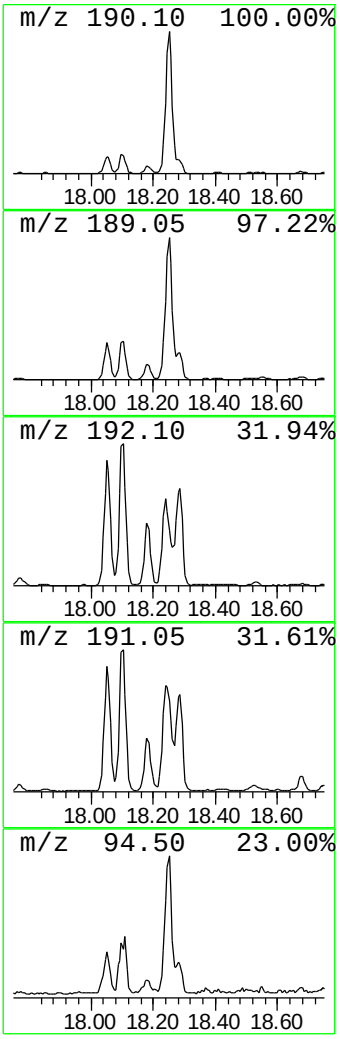
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	12.19 ng/ul	1351390	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50





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Sample : H3087-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

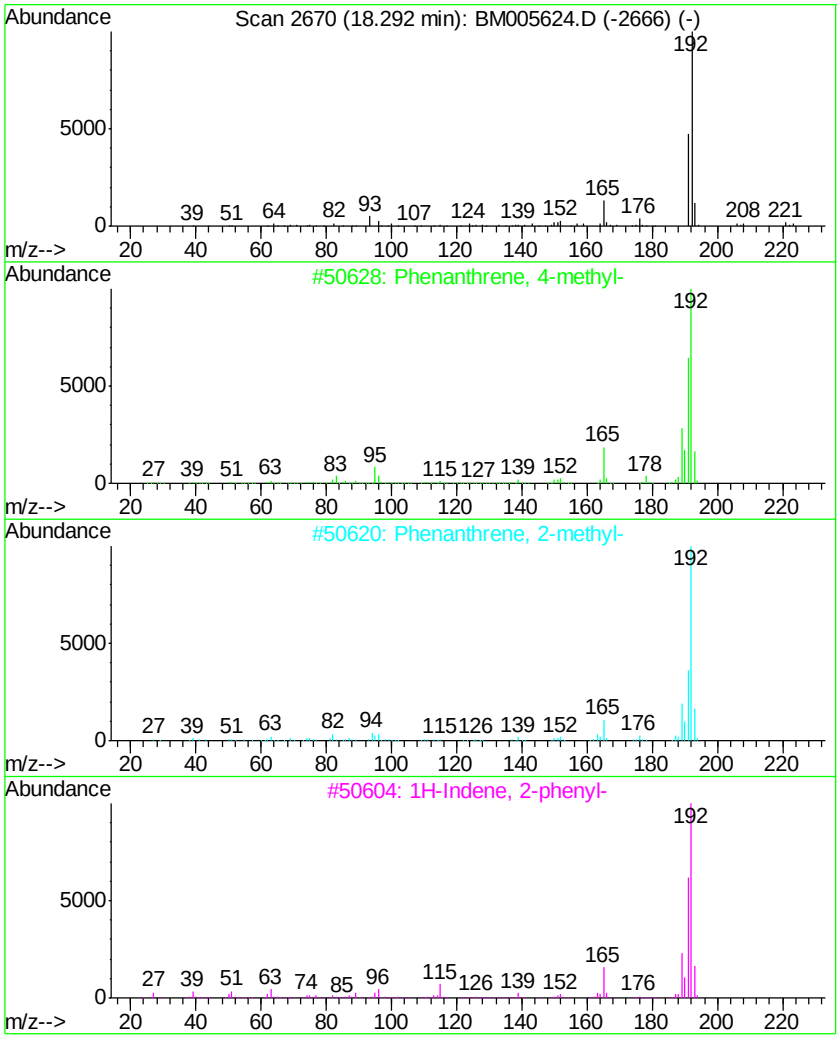
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

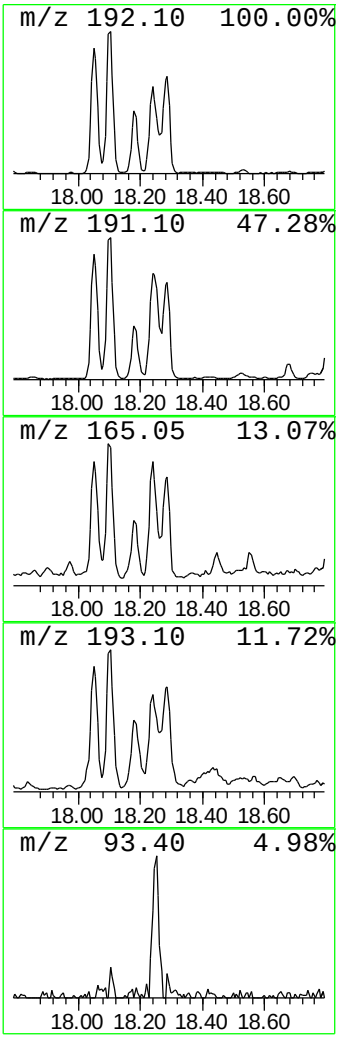
****

Peak Number 8 Phenanthrene, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	4.32 ng/ul	478590	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87





Library Search Compound Report

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Sample : H3087-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

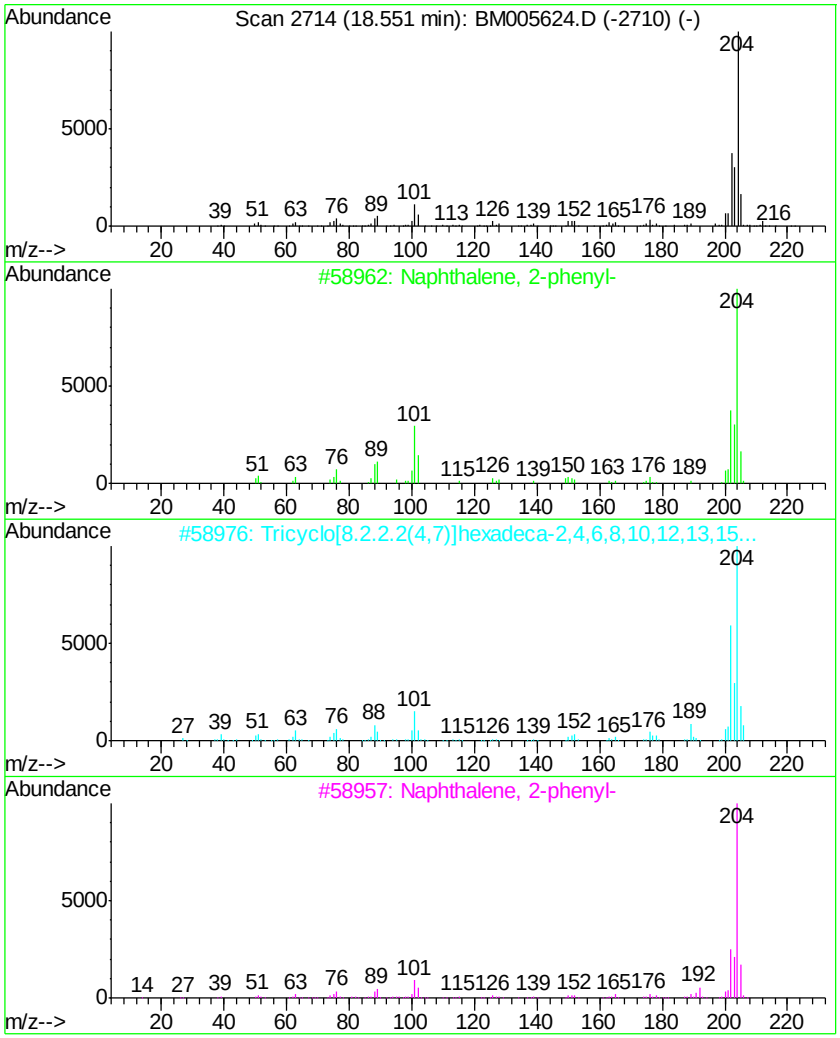
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

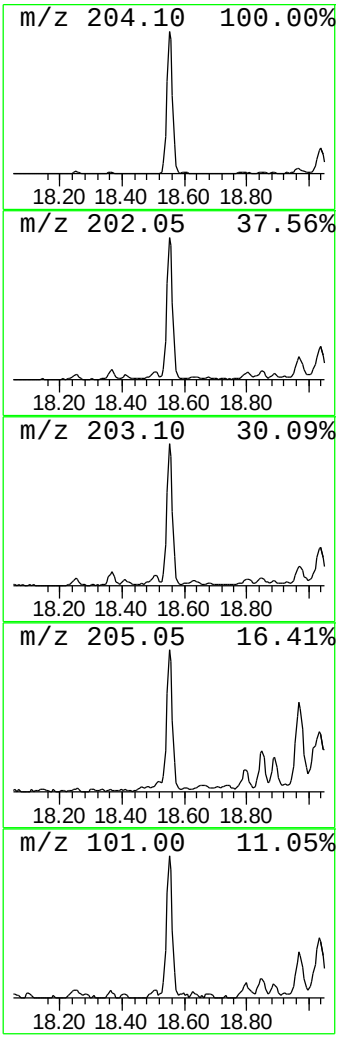
****

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	5.66 ng/ul	627899	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	83
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

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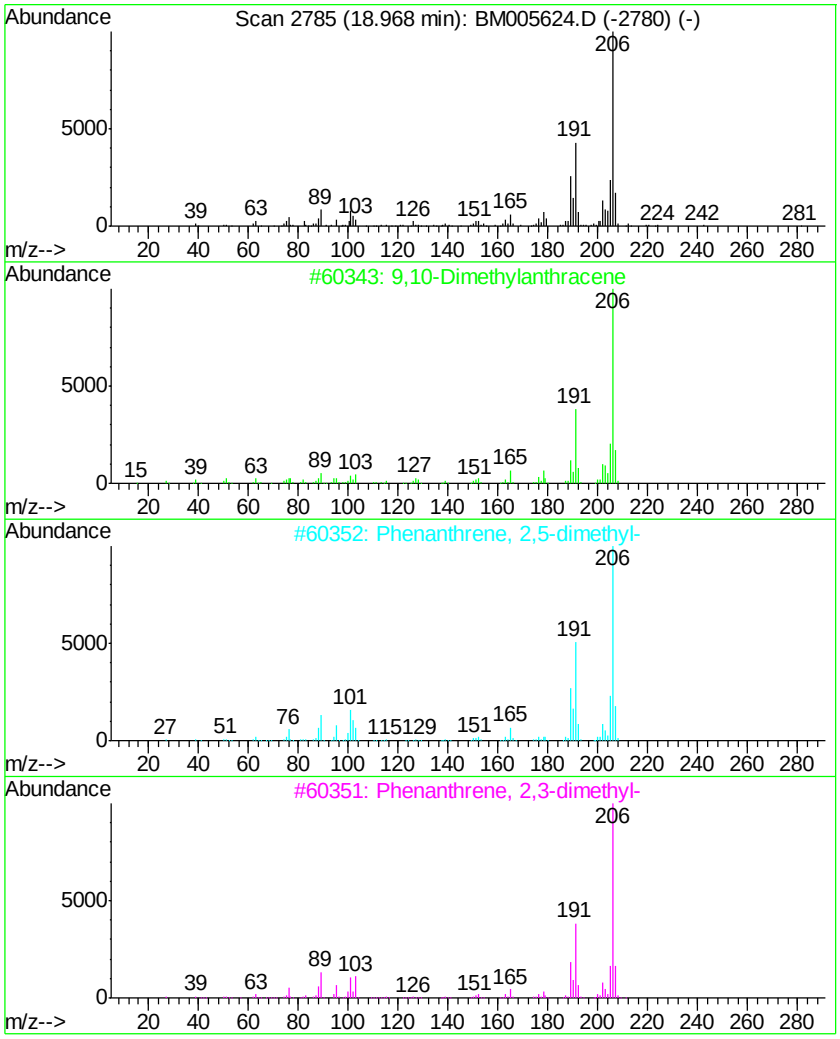
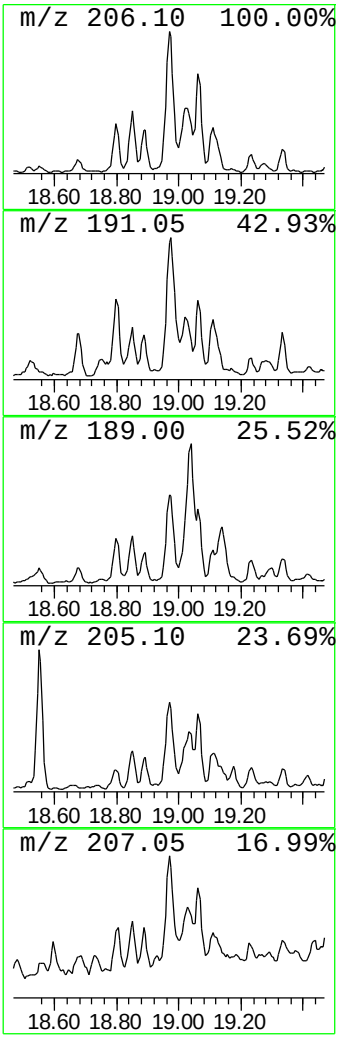
Peak Number 10 9,10-Dimethylanthracene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	4.50 ng/ul	499060	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





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Instrument : BNA_M
ClientSampleId : JHGK2

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Quant Title : SVOA CALIBRATION

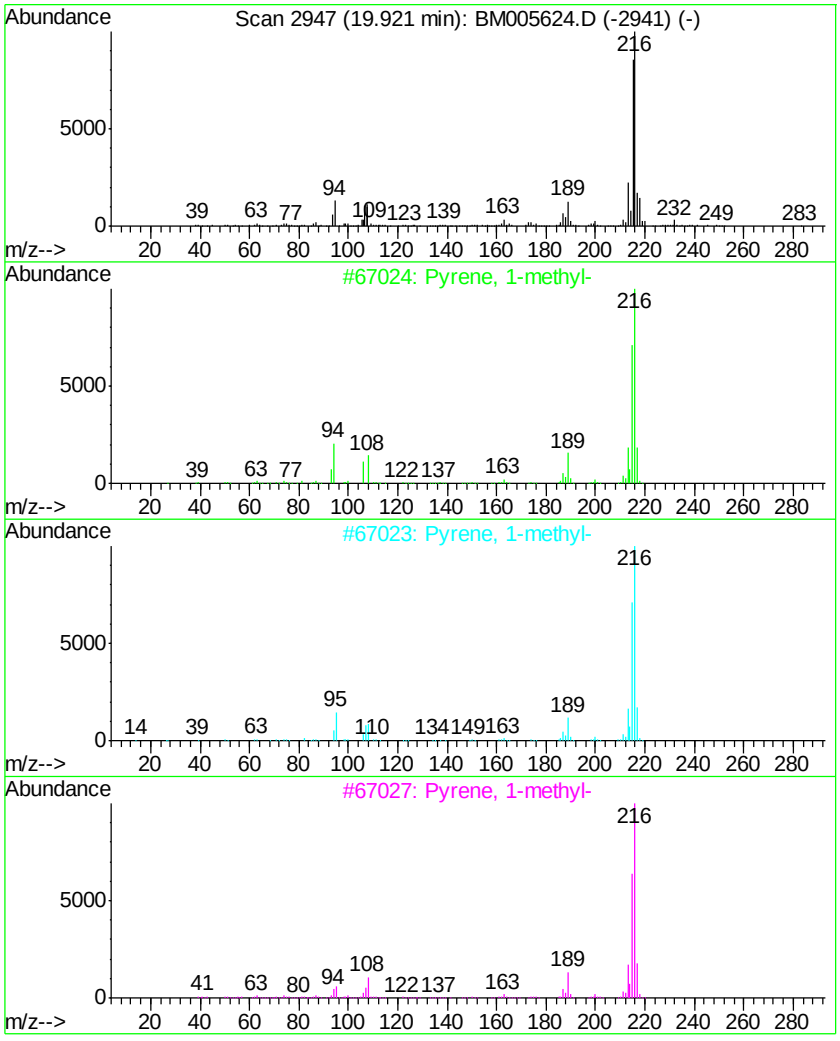
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

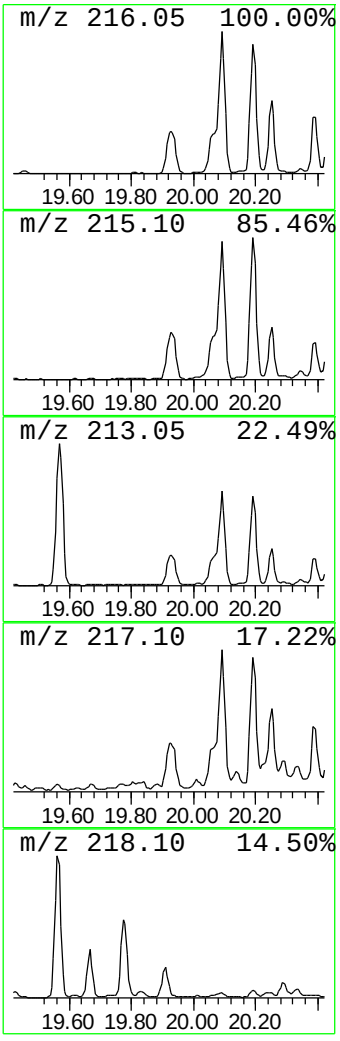
****

Peak Number 11 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	2.72 ng/ul	696746	Chrysene-d12	21.36

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	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90





Library Search Compound Report

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Operator : UM/SJ
Sample : H3087-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

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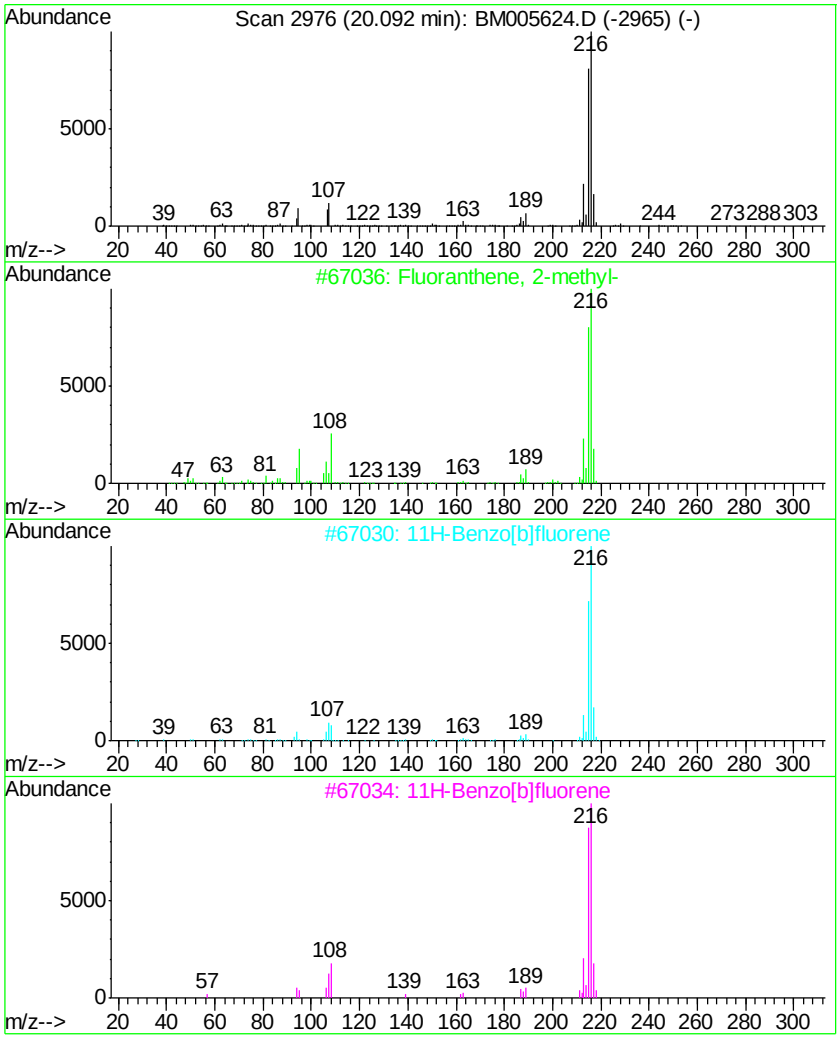
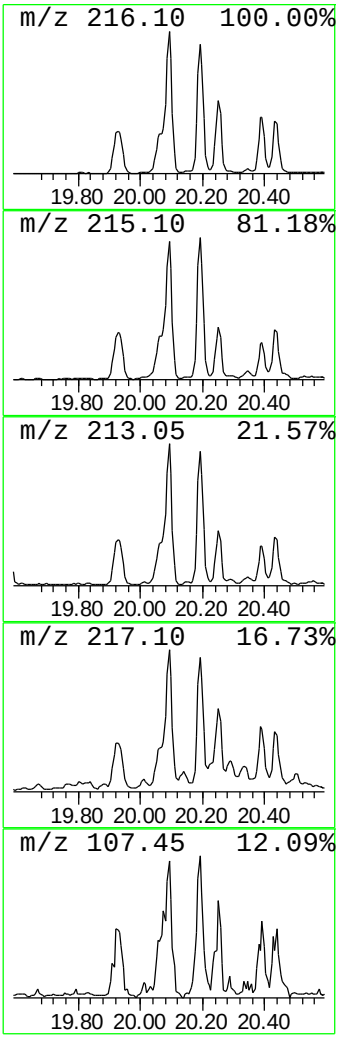
Peak Number 12 Fluoranthene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.09	6.11 ng/ul	1562710	Chrysene-d12	21.36

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





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

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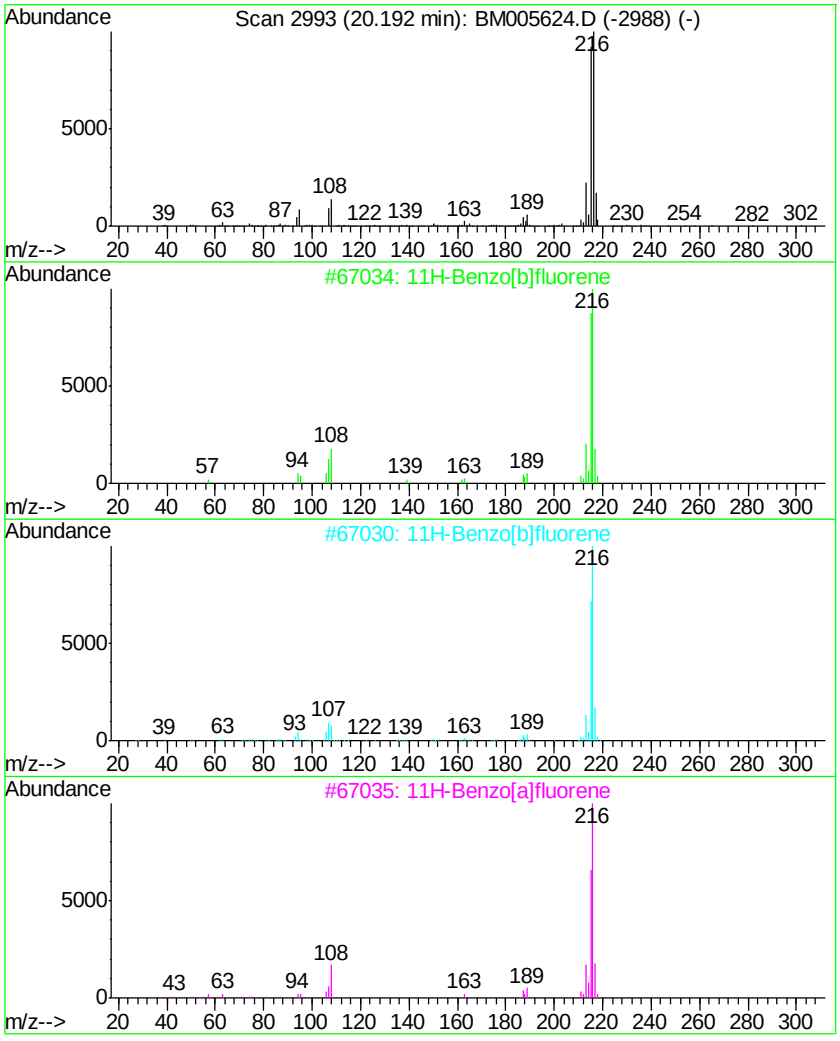
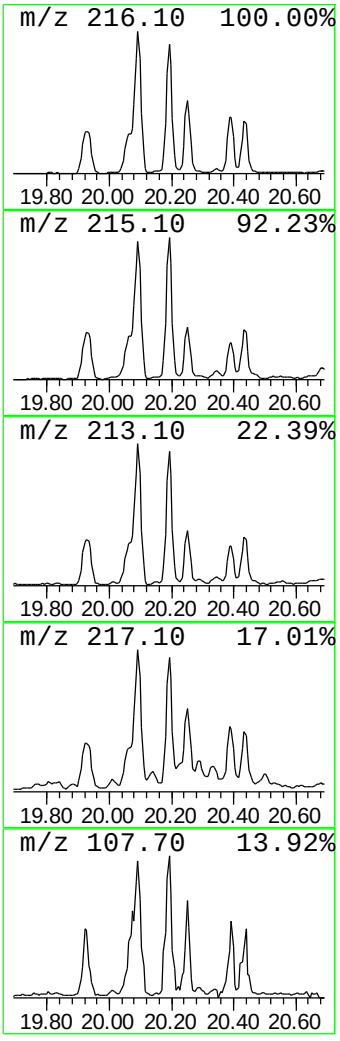
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.19	3.65 ng/ul	935422	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86





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Instrument : BNA_M
ClientSampleId : JHGK2

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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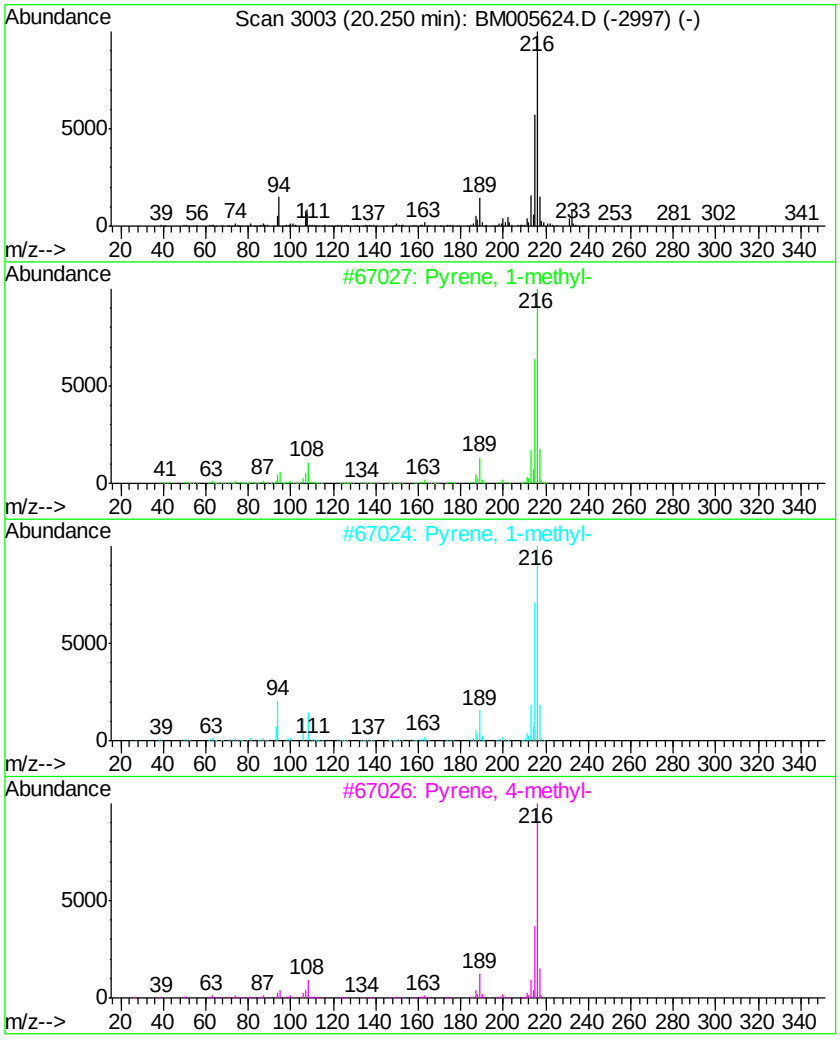
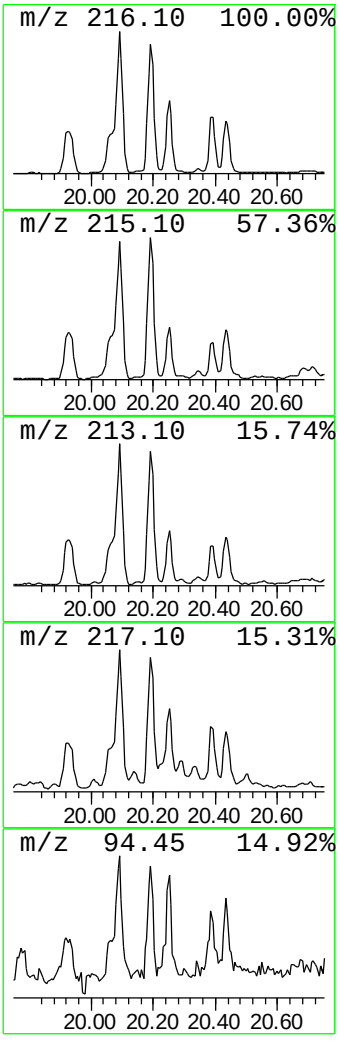
Peak Number 14 Pyrene, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.25	2.37 ng/ul	605402	Chrysene-d12	21.36

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	95
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

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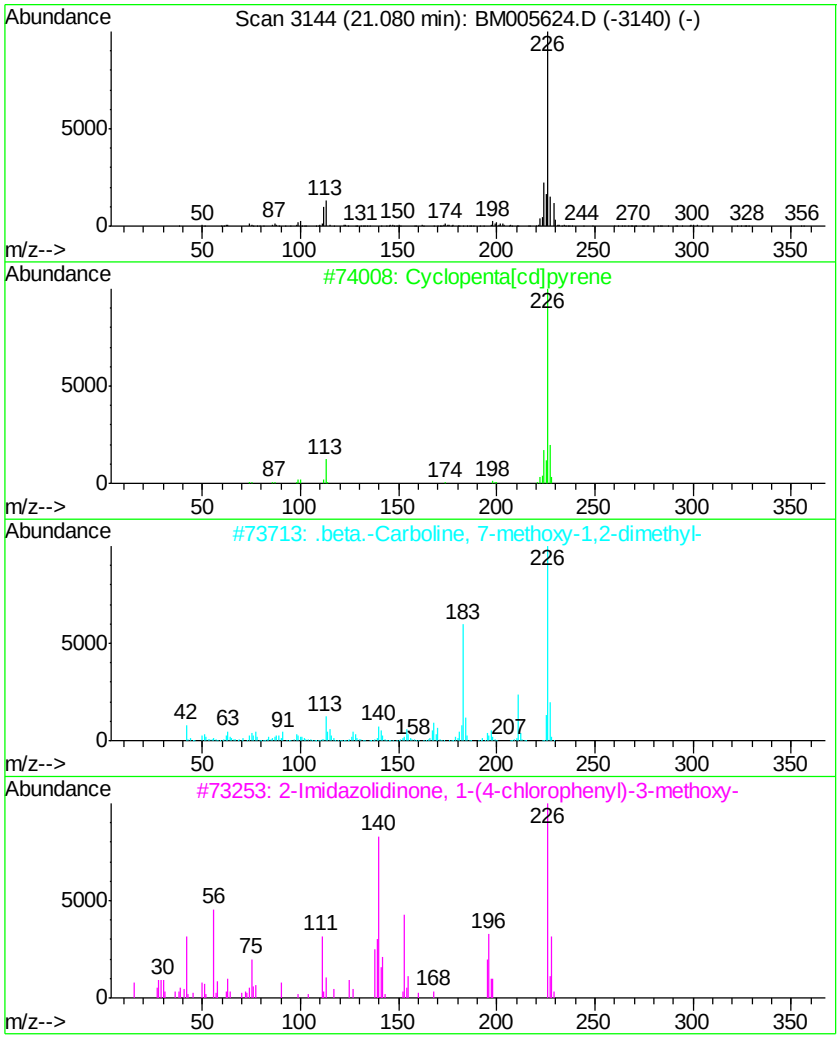
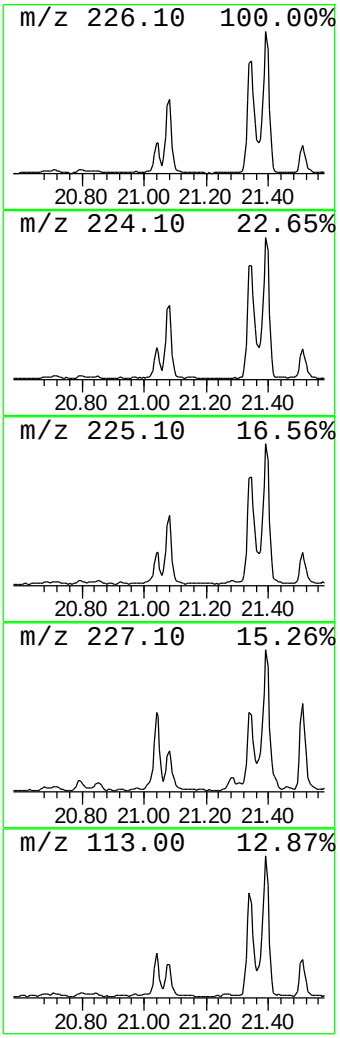
Peak Number 15 Cyclopenta[cd]pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.08	2.11 ng/ul	540718	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	76
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	40
3	2-Imidazolidinone, 1-(4-chloroph...	226	C10H11ClN2O2	052420-34-5	38
4	2-Thiazolamine, 4-(1-naphthalenyl)-	226	C13H10N2S	056503-96-9	38
5	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	37





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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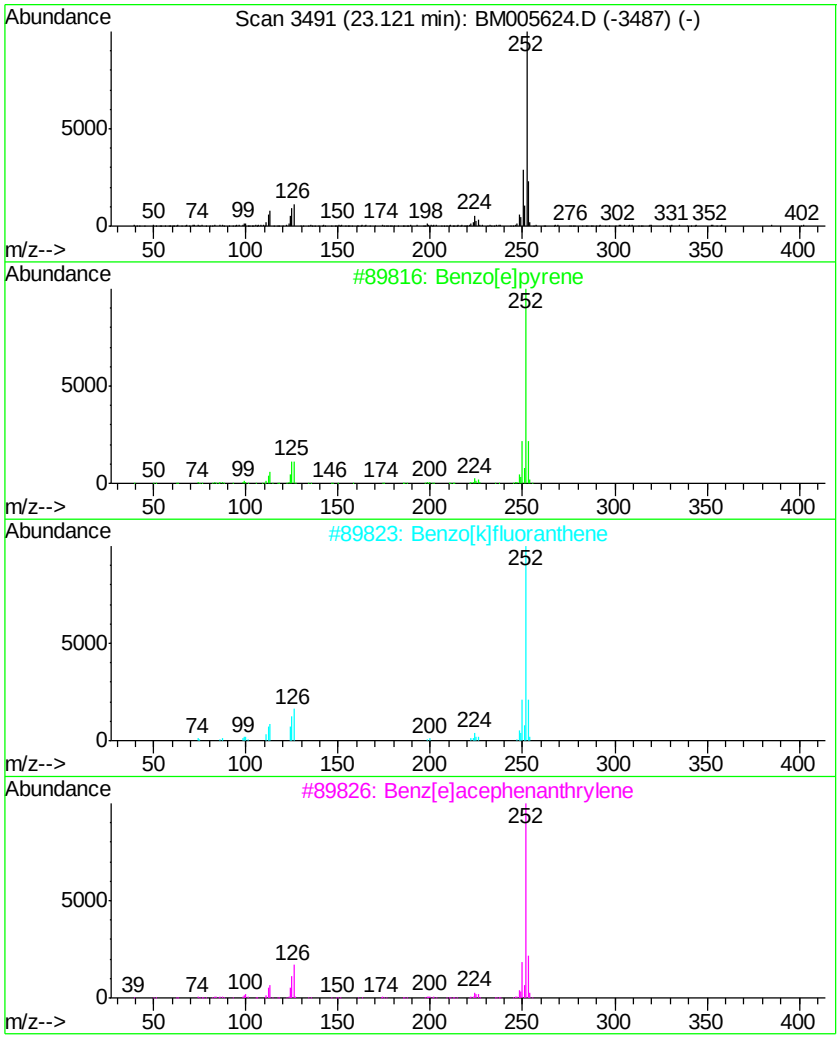
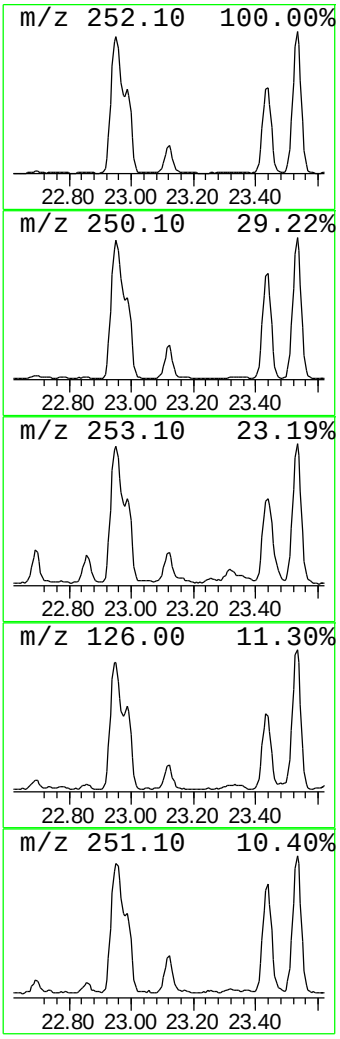
Peak Number 16 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.12	3.56 ng/ul	385642	Perylene-d12	23.63

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	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4	Benzo[a]pyrene	252	C20H12	000050-32-8	95
5	Perylene	252	C20H12	000198-55-0	87





Tentatively Identified Compound (LSC) summary

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Data File : BM005624.D
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Operator : UM/SJ
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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK2

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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
(DEL) Alkane: Str...	16.14	2.6	ng/ul	290677	4	17.18	2217260	20.0
9H-Fluorene, 2-me...	16.49	2.5	ng/ul	279761	4	17.18	2217260	20.0
Dibenzothiophene	17.00	2.1	ng/ul	235490	4	17.18	2217260	20.0
Anthracene, 1-met...	18.05	5.9	ng/ul	654532	4	17.18	2217260	20.0
Phenanthrene, 2-m...	18.10	7.1	ng/ul	783011	4	17.18	2217260	20.0
Anthracene, 2-met...	18.18	2.9	ng/ul	325909	4	17.18	2217260	20.0
4H-Cyclopenta[def...	18.25	12.2	ng/ul	1351390	4	17.18	2217260	20.0
Phenanthrene, 4-m...	18.29	4.3	ng/ul	478590	4	17.18	2217260	20.0
Naphthalene, 2-ph...	18.55	5.7	ng/ul	627899	4	17.18	2217260	20.0
9,10-Dimethylanth...	18.97	4.5	ng/ul	499060	4	17.18	2217260	20.0
Pyrene, 1-methyl-	19.92	2.7	ng/ul	696746	5	21.36	5118880	20.0
Fluoranthene, 2-m...	20.09	6.1	ng/ul	1562710	5	21.36	5118880	20.0
11H-Benzo[b]fluorene	20.19	3.6	ng/ul	935422	5	21.36	5118880	20.0
Pyrene, 4-methyl-	20.25	2.4	ng/ul	605402	5	21.36	5118880	20.0
Cyclopenta[cd]pyrene	21.08	2.1	ng/ul	540718	5	21.36	5118880	20.0
Benzo[e]pyrene	23.12	3.6	ng/ul	385642	6	23.63	2168650	20.0