LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005620.D
Acq On : 23 May 2016 21:46
Operator : UM/SJ
Sample : H3087-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK5

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	2.964	60	64	70	rBV	70917	78328	1.56%	0.114%
2	3.787	196	204	209	rBV	64856	88831	1.77%	0.129%
3	6.975	735	746	758	rVB	322081	543220	10.83%	0.788%
4	7.134	766	773	784	rBV	251504	395979	7.89%	0.575%
5	7.334	801	807	818	rVB	329866	530015	10.56%	0.769%
6	7.799	879	886	895	rVB	563686	912494	18.18%	1.324%
7	8.510	996	1007	1014	rBV	399145	641760	12.79%	0.931%
8	8.622	1020	1026	1033	rVB	77204	125192	2.49%	0.182%
9	8.957	1076	1083	1091	rBV	304050	498248	9.93%	0.723%
10	9.675	1199	1205	1213	rBV	250329	417562	8.32%	0.606%
11	10.216	1290	1297	1306	rVB	392480	666561	13.28%	0.967%
12	10.593	1353	1361	1367	rBV	842568	1433433	28.57%	2.080%
13	10.728	1376	1384	1395	rBV	247684	450992	8.99%	0.655%
14	13.604	1864	1873	1881	rBV4	33081	89428	1.78%	0.130%
15	13.757	1893	1899	1904	rBV	115844	195446	3.89%	0.284%
16	13.845	1904	1914	1918	rVV	697288	1026611	20.46%	1.490%
17	13.892	1918	1922	1931	rVV	184886	289501	5.77%	0.420%
18	13.992	1931	1939	1943	rVV	66772	115718	2.31%	0.168%
19	14.128	1956	1962	1966	rBV	769752	1293307	25.77%	1.877%
20	14.439	2004	2015	2021	rBV2	1170006	1910854	38.08%	2.773%
21	14.498	2021	2025	2033	rVB2	105801	173835	3.46%	0.252%
22	14.651	2043	2051	2060	rBV	274015	506391	10.09%	0.735%
23	14.833	2078	2082	2089	rVB	109881	168120	3.35%	0.244%
24	14.910	2089	2095	2100	rBV	82041	118246	2.36%	0.172%
25	15.051	2111	2119	2124	rBV3	72728	156004	3.11%	0.226%
26	15.210	2140	2146	2147	rBV3	53026	77096	1.54%	0.112%
27	15.428	2175	2183	2188	rBV	962672	1484487	29.58%	2.154%
28	15.486	2188	2193	2200	rVB	320444	510540	10.17%	0.741%
29	15.557	2200	2205	2210	rBV2	161616	236689	4.72%	0.344%
30	15.775	2237	2242	2249	rVB	81651	140004	2.79%	0.203%
31	15.898	2258	2263	2265	rBV	63600	98090	1.95%	0.142%
32	15.922	2265	2267	2275	rVB3	75039	145040	2.89%	0.211%
33	16.004	2275	2281	2290	rBV4	41018	89538	1.78%	0.130%
34	16.157	2301	2307	2314	rVB5	99165	212487	4.23%	0.308%

LSC Area Percent Report

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Acq On : 23 May 2016 21:46
Operator : UM/SJ
Sample : H3087-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK5

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	16.486	2355	2363	2368	rBV2	161803	345808	6.89%	0.502%
36	16.533	2368	2371	2377	rVB2	101914	151196	3.01%	0.219%
37	16.633	2384	2388	2393	rVB	114017	171990	3.43%	0.250%
38	16.716	2394	2402	2405	rBV3	64699	137203	2.73%	0.199%
39	16.839	2419	2423	2429	rVB4	74774	129819	2.59%	0.188%
40	16.916	2431	2436	2437	rBV2	53526	78512	1.56%	0.114%
41	16.998	2445	2450	2459	rVB	186390	324552	6.47%	0.471%
42	17.180	2475	2481	2485	rBV	1373626	2214153	44.13%	3.213%
43	17.222	2485	2488	2493	rVV	2601803	3680464	73.35%	5.342%
44	17.280	2493	2498	2501	rVV	1119742	1636027	32.60%	2.374%
45	17.310	2501	2503	2508	rVV	608852	801980	15.98%	1.164%
46	17.369	2508	2513	2519	rVV2	92688	169289	3.37%	0.246%
47	17.586	2546	2550	2553	rBV2	60245	84629	1.69%	0.123%
48	17.698	2561	2569	2573	rBV	154236	241672	4.82%	0.351%
49	17.763	2576	2580	2588	rVB2	87743	153376	3.06%	0.223%
50	17.904	2599	2604	2611	rVB	58493	107610	2.14%	0.156%
51	18.051	2624	2629	2634	rBV	552563	844901	16.84%	1.226%
52	18.104	2634	2638	2643	rVB	646316	884517	17.63%	1.284%
53	18.180	2646	2651	2656	rBV	240353	353449	7.04%	0.513%
54	18.251	2656	2663	2666	rVV2	871025	1581187	31.51%	2.295%
55	18.286	2666	2669	2675	rVB	426057	609220	12.14%	0.884%
56	18.516	2701	2708	2710	rBV6	48351	109086	2.17%	0.158%
57	18.557	2710	2715	2719	rVV	460459	658941	13.13%	0.956%
58	18.598	2719	2722	2726	rVV2	100314	145928	2.91%	0.212%
59	18.798	2752	2756	2760	rVV3	149432	186334	3.71%	0.270%
60	18.851	2761	2765	2768	rVV	114043	155501	3.10%	0.226%
61	18.886	2768	2771	2775	rVB	85857	115206	2.30%	0.167%
62	18.968	2781	2785	2791	rBV	286730	527555	10.51%	0.766%
63	19.033	2791	2796	2799	rVV2	166574	289336	5.77%	0.420%
64	19.063	2799	2801	2805	rVB	161146	181060	3.61%	0.263%
65	19.116	2805	2810	2811	rBV2	110791	160927	3.21%	0.234%
66	19.239	2825	2831	2836	rBV	3058587	4207953	83.86%	6.107%
67	19.298	2837	2841	2844	rVV2	123832	171143	3.41%	0.248%
68	19.333	2844	2847	2851	rVB3	112122	143013	2.85%	0.208%
69	19.386	2851	2856	2860	rBV	360357	486853	9.70%	0.707%
70	19.568	2882	2887	2889	rBV3	1516565	2121181	42.27%	3.079%
71	19.604	2889	2893	2900	rVV	3328009	5017870	100.00%	7.283%

LSC Area Percent Report

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Acq On : 23 May 2016 21:46
Operator : UM/SJ
Sample : H3087-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK5

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	19.674	2901	2905	2911	rVB4	190706	312508	6.23%	0.454%
73	19.774	2918	2922	2928	rVB2	106739	175453	3.50%	0.255%
74	19.839	2929	2933	2938	rVB2	110655	167658	3.34%	0.243%
75	19.921	2942	2947	2954	rBV4	233444	567200	11.30%	0.823%
76	20.010	2959	2962	2966	rVV	143518	199508	3.98%	0.290%
77	20.063	2966	2971	2972	rVV2	215901	331640	6.61%	0.481%
78	20.092	2972	2976	2982	rVB2	680843	1015100	20.23%	1.473%
79	20.192	2989	2993	2997	rBV	592621	761910	15.18%	1.106%
80	20.251	2998	3003	3007	rVB2	366904	526339	10.49%	0.764%
81	20.392	3023	3027	3031	rBV2	266855	347686	6.93%	0.505%
82	20.439	3031	3035	3043	rVB	336677	500874	9.98%	0.727%
83	20.686	3074	3077	3079	rBV3	64032	78717	1.57%	0.114%
84	20.798	3093	3096	3099	rBV2	90597	140399	2.80%	0.204%
85	21.004	3129	3131	3134	rVB	102769	104765	2.09%	0.152%
86	21.045	3134	3138	3141	rVV	290119	362301	7.22%	0.526%
87	21.080	3141	3144	3149	rVB2	225289	360094	7.18%	0.523%
88	21.357	3184	3191	3195	rBV2	2417768	4807755	95.81%	6.978%
89	21.398	3195	3198	3207	rVB	1509172	1950416	38.87%	2.831%
90	21.515	3214	3218	3222	rBV	220055	333012	6.64%	0.483%
91	21.562	3223	3226	3230	rVV2	163864	204677	4.08%	0.297%
92	21.915	3282	3286	3289	rVB	244675	335187	6.68%	0.486%
93	22.109	3316	3319	3322	rBV2	154243	215651	4.30%	0.313%
94	22.951	3456	3462	3467	rBV	729460	1859947	37.07%	2.699%
95	23.121	3487	3491	3497	rVB	213387	369193	7.36%	0.536%
96	23.439	3540	3545	3549	rBV	472746	902567	17.99%	1.310%
97	23.492	3549	3554	3557	rVV	760815	1388488	27.67%	2.015%
98	23.539	3557	3562	3569	rVB	1003881	1913253	38.13%	2.777%
99	23.639	3572	3579	3584	rBV	1153368	2321370	46.26%	3.369%
100	25.933	3963	3969	3981	rVB2	399168	1149314	22.90%	1.668%

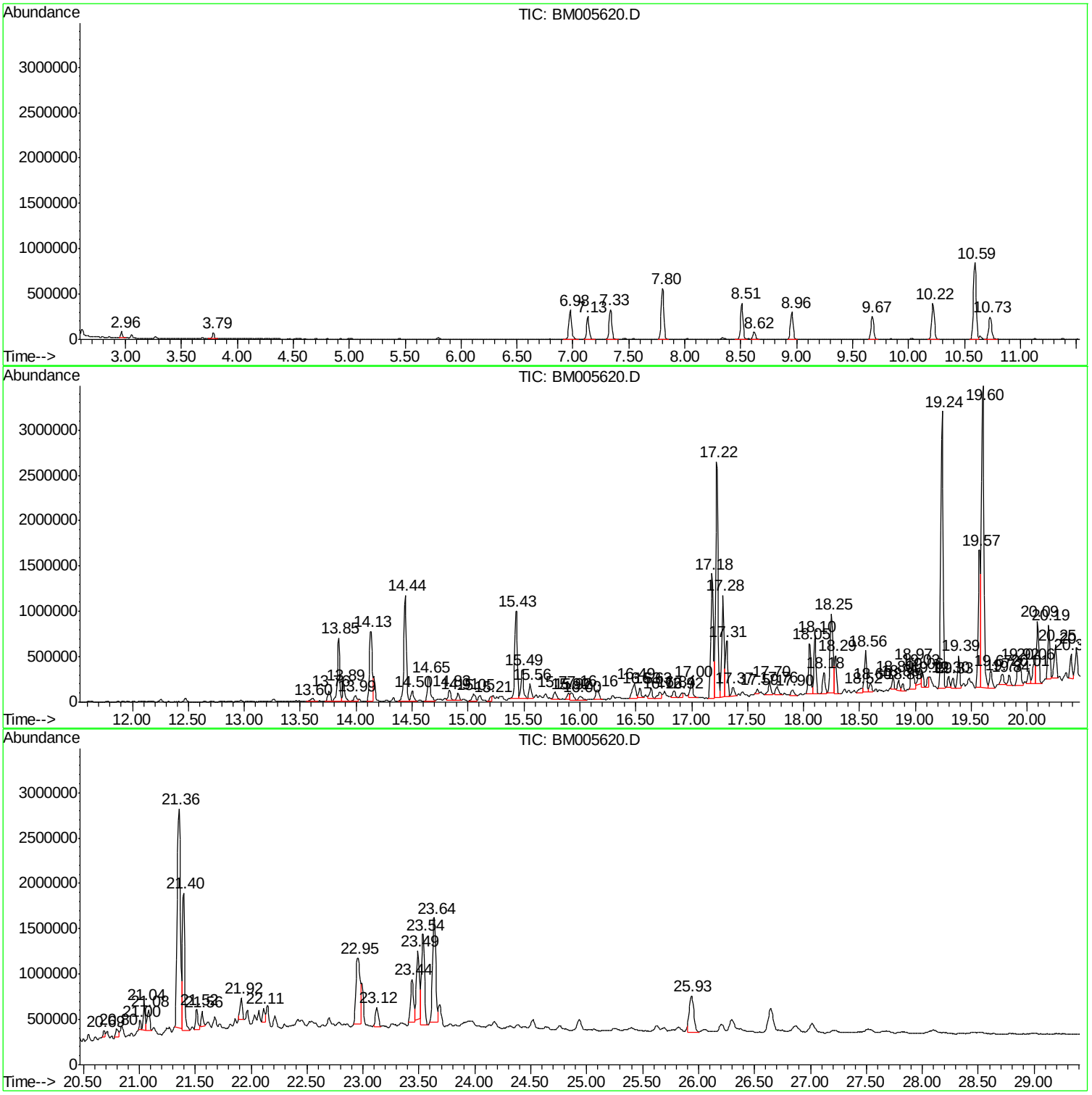
Sum of corrected areas: 68902470

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005620.D
Acq On : 23 May 2016 21:46
Operator : UM/SJ
Sample : H3087-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGK5

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005620.D
Acq On : 23 May 2016 21:46
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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

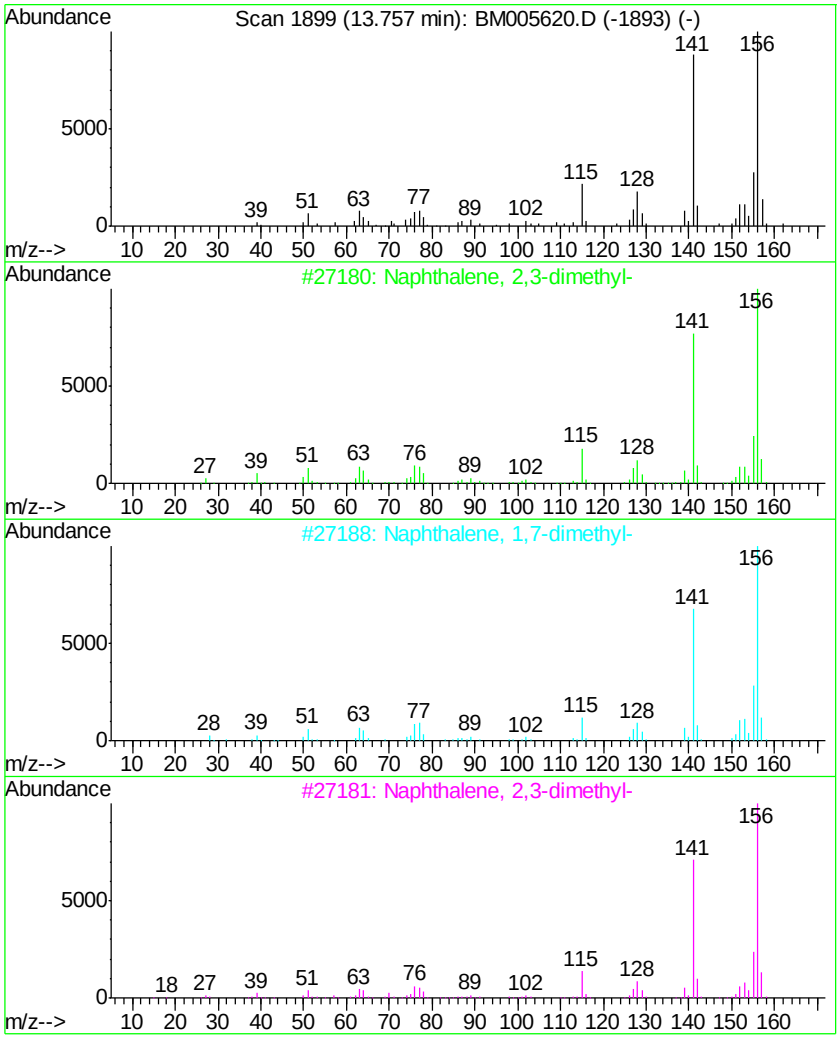
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

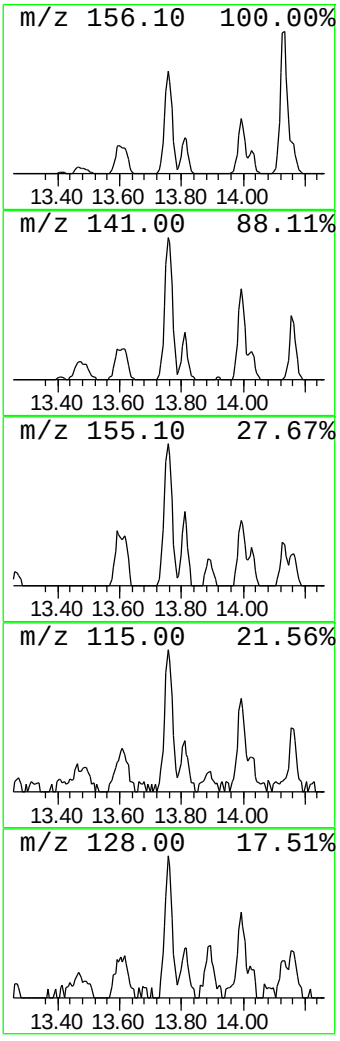
****

Peak Number 1 Naphthalene, 2,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	2.05 ng/ul	195446	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005620.D
Acq On : 23 May 2016 21:46
Operator : UM/SJ
Sample : H3087-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK5

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

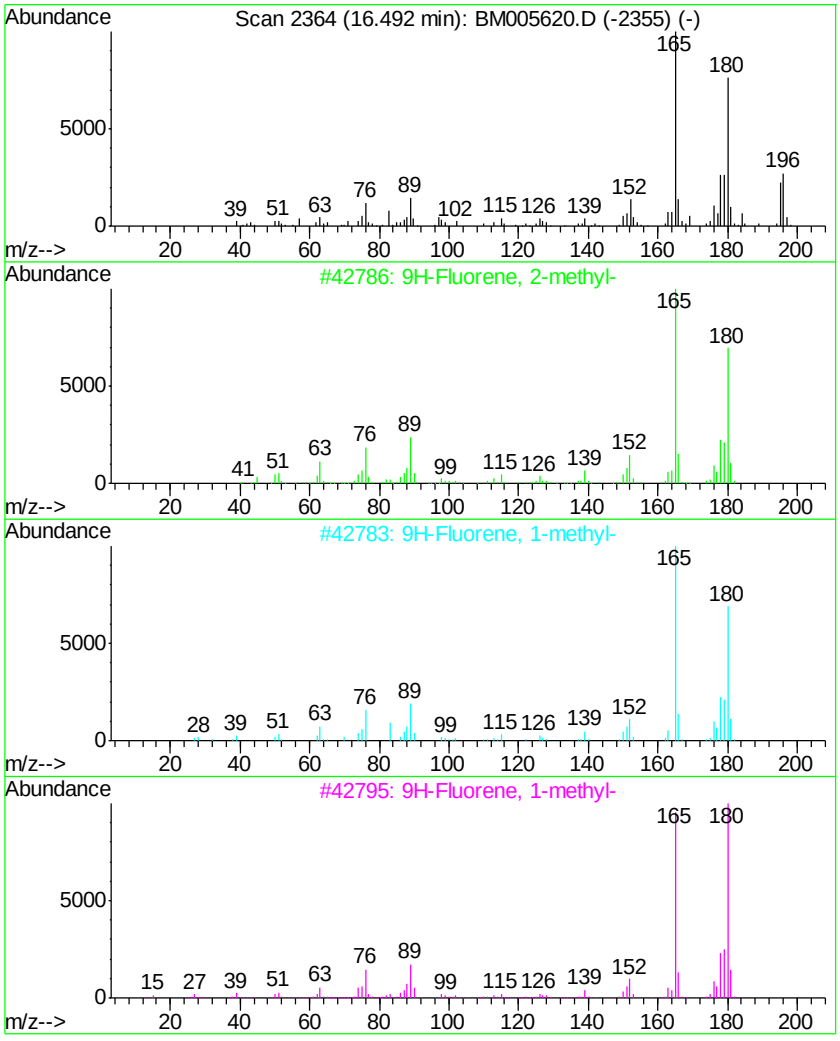
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

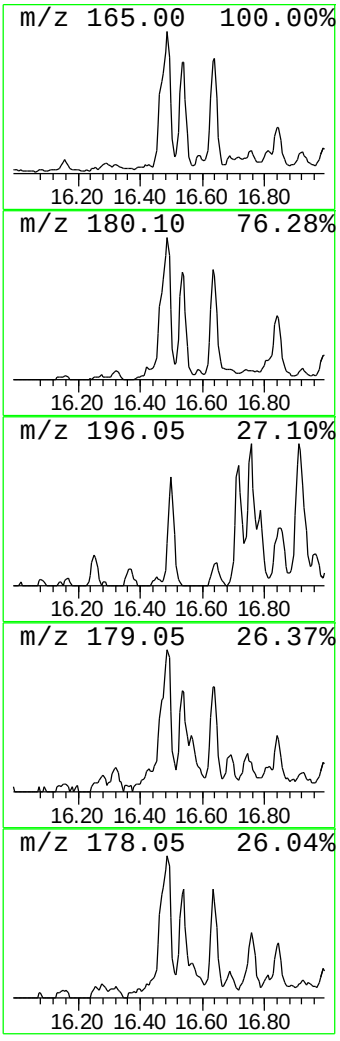
****

Peak Number 2 9H-Fluorene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	3.12 ng/ul	345808	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	91
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
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Operator : UM/SJ
Sample : H3087-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK5

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

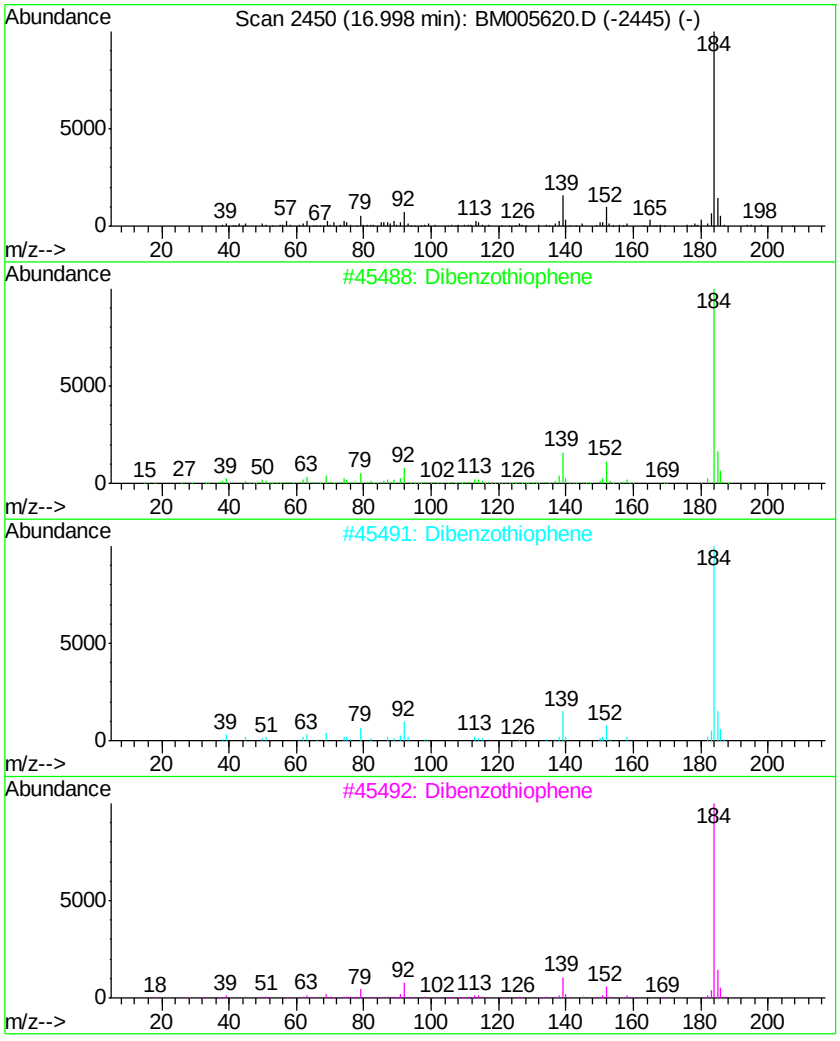
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

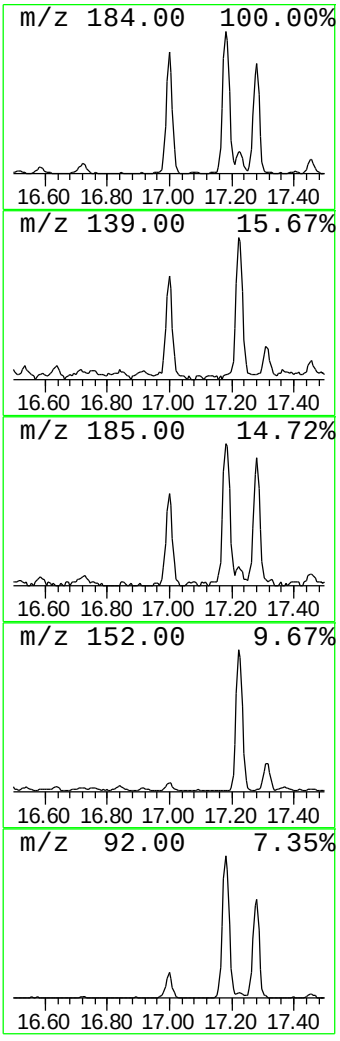
****

Peak Number 3 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.00	2.93 ng/ul	324552	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Dibenzothiophene	184	C12H8S	000132-65-0	91
4	Dibenzothiophene	184	C12H8S	000132-65-0	91
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005620.D
Acq On : 23 May 2016 21:46
Operator : UM/SJ
Sample : H3087-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK5

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

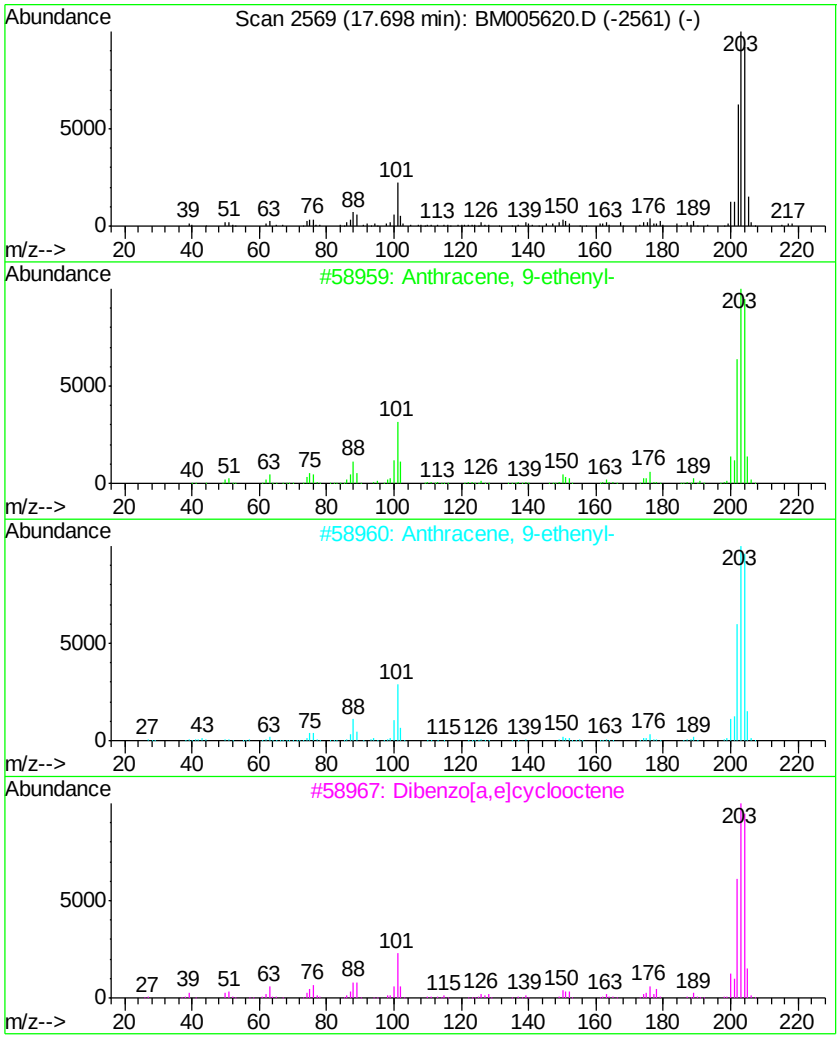
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

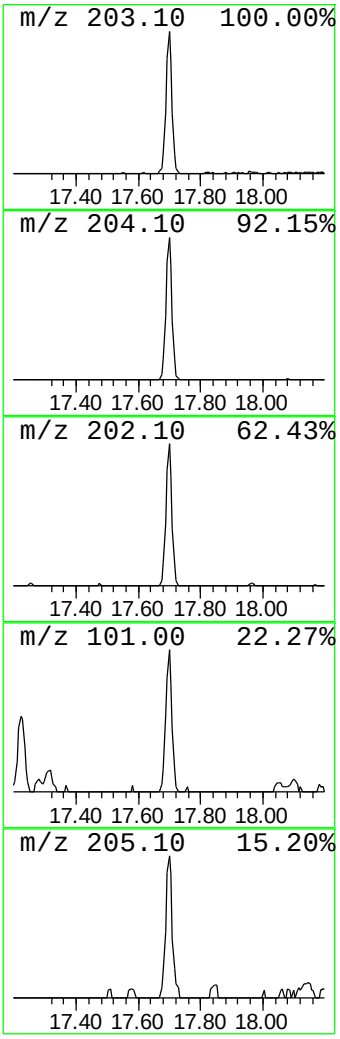
****

Peak Number 4 Anthracene, 9-ethenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.70	2.18 ng/ul	241672	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	95
2	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	94
3	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	89
4	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	89
5	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	89





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005620.D
Acq On : 23 May 2016 21:46
Operator : UM/SJ
Sample : H3087-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK5

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

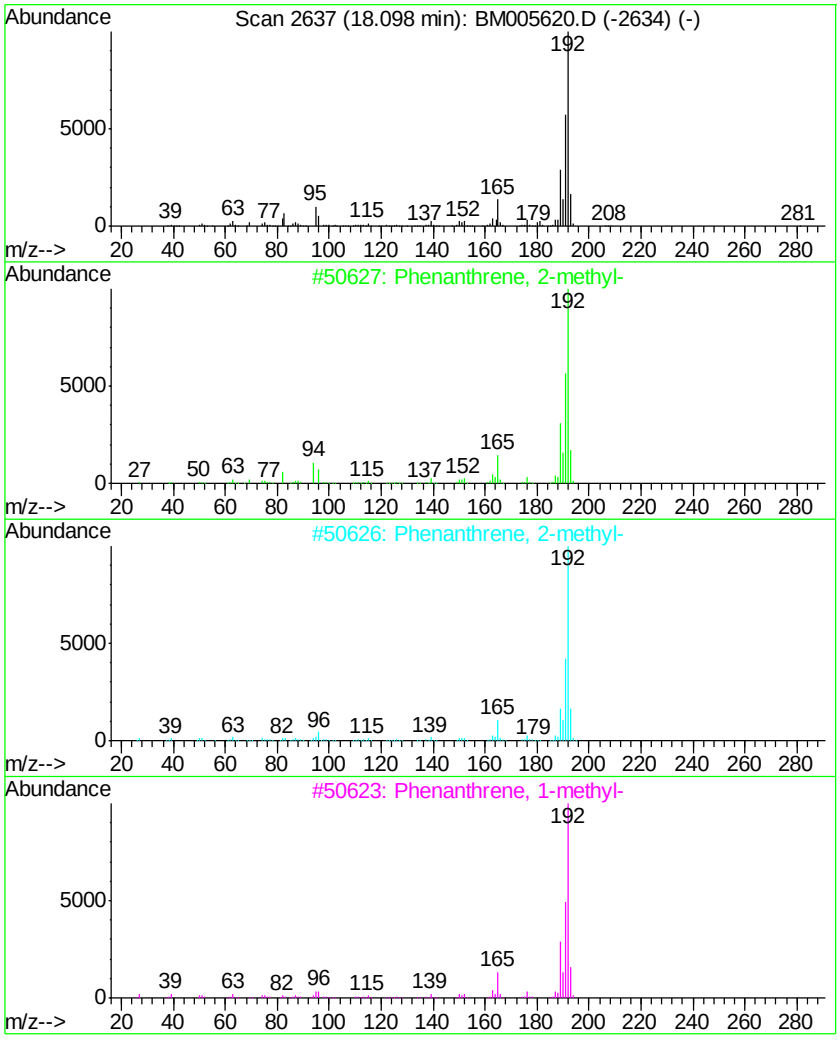
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

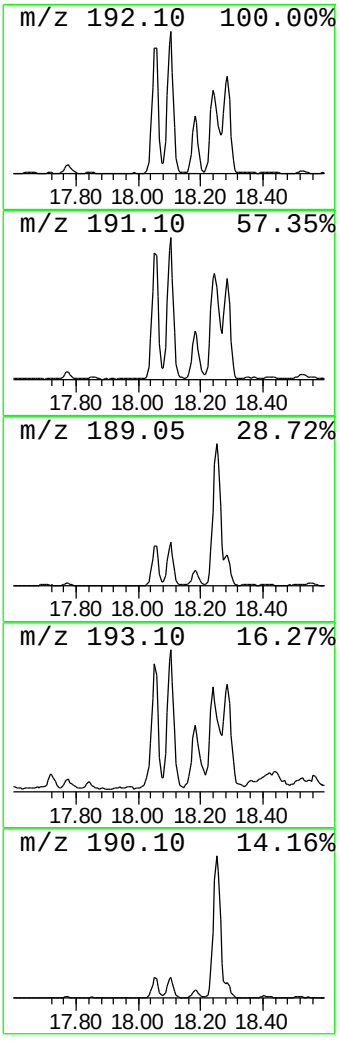
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	7.99 ng/ul	884517	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	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96





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Acq On : 23 May 2016 21:46
Operator : UM/SJ
Sample : H3087-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK5

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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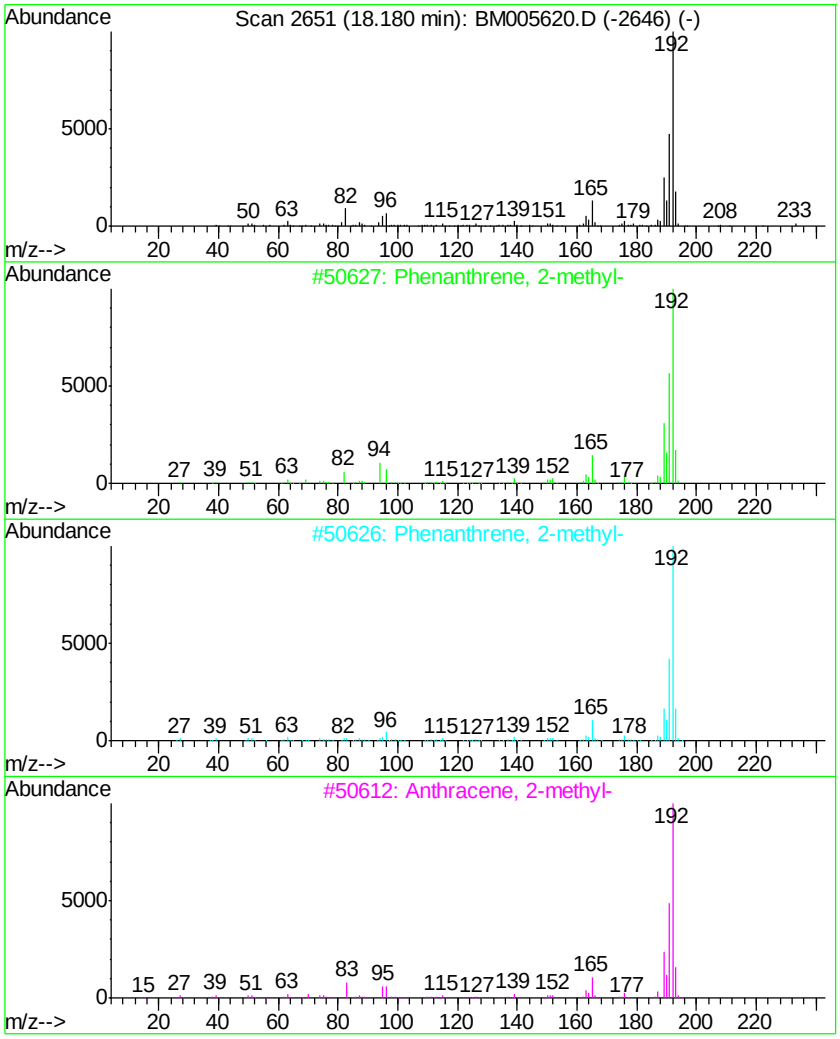
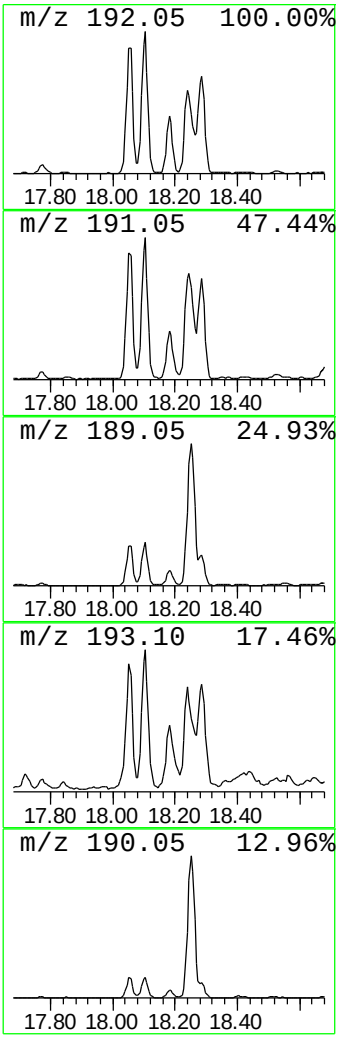
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	3.19 ng/ul	353449	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	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96





Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : JHGK5

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Quant Title : SVOA CALIBRATION

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

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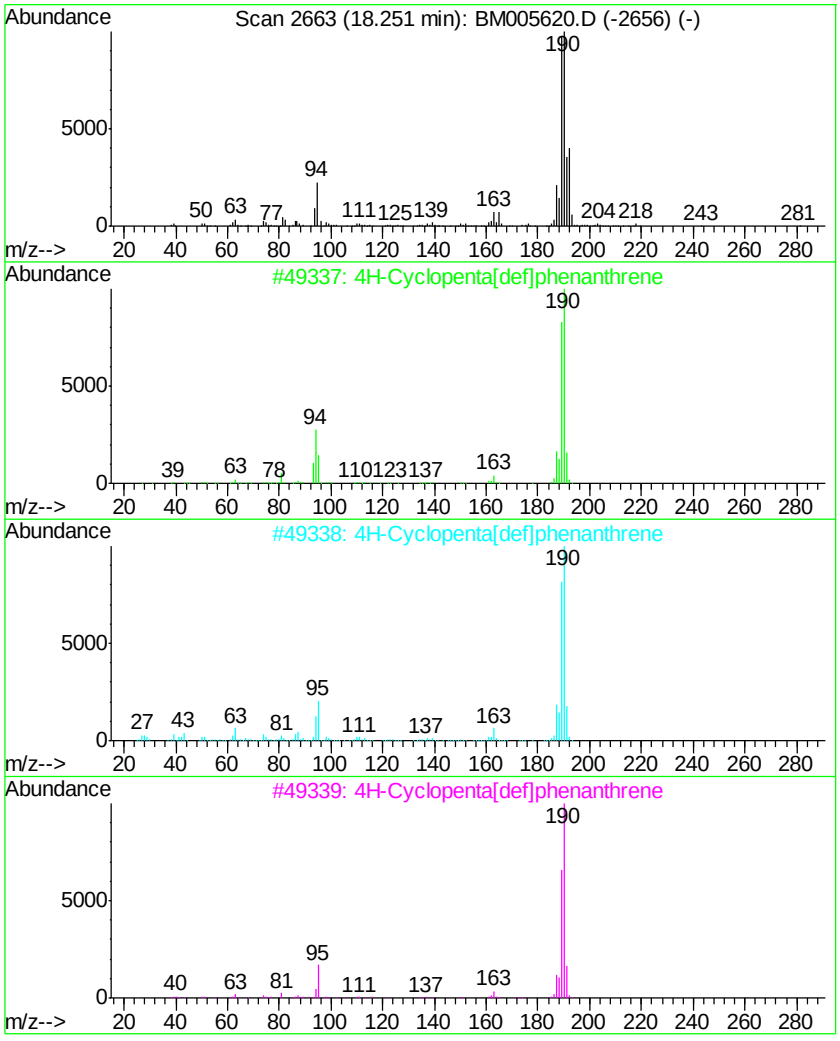
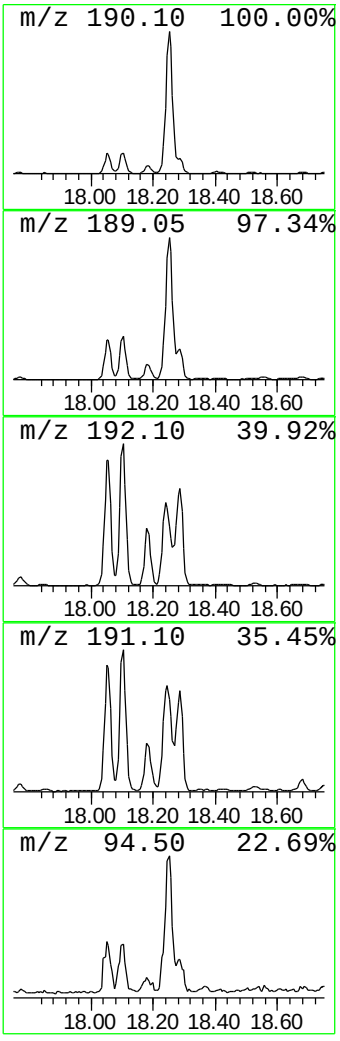
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	14.28 ng/ul	1581190	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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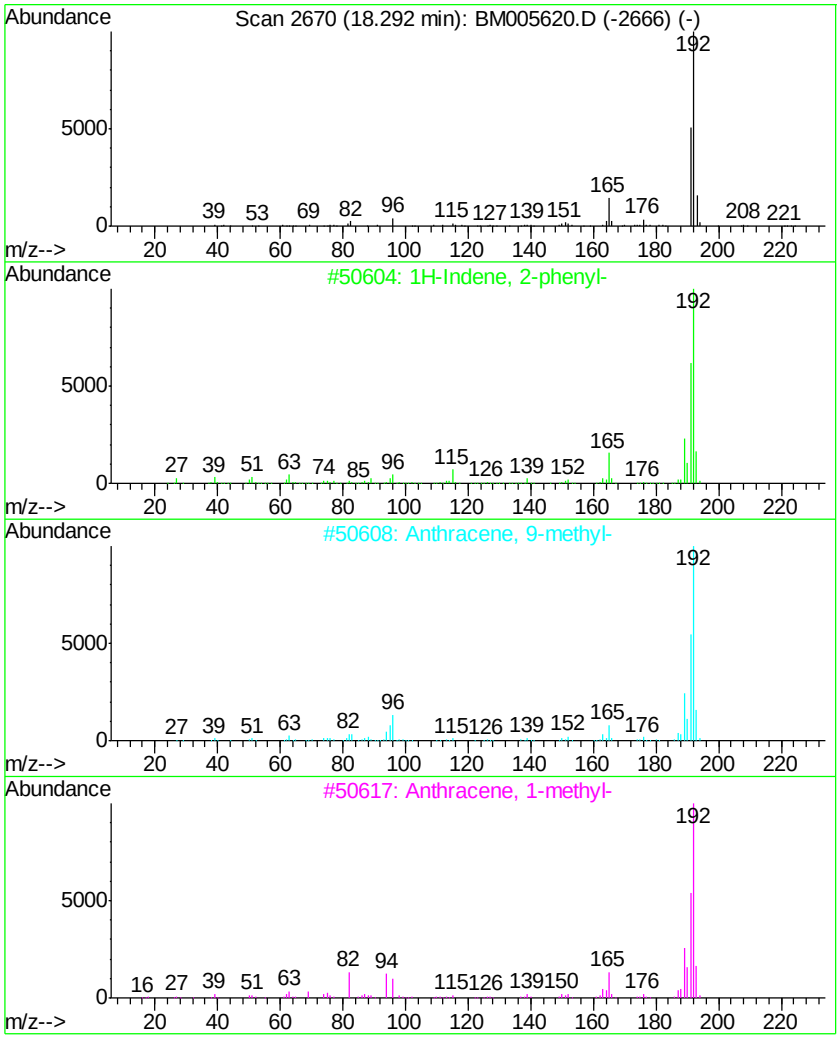
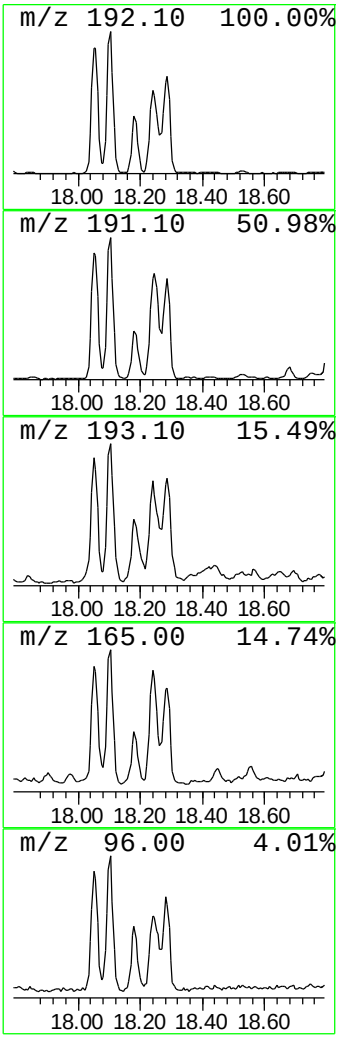
Peak Number 9 1H-Indene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	5.50 ng/ul	609220	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91





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Instrument : BNA_M
ClientSampleId : JHGK5

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Quant Title : SVOA CALIBRATION

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

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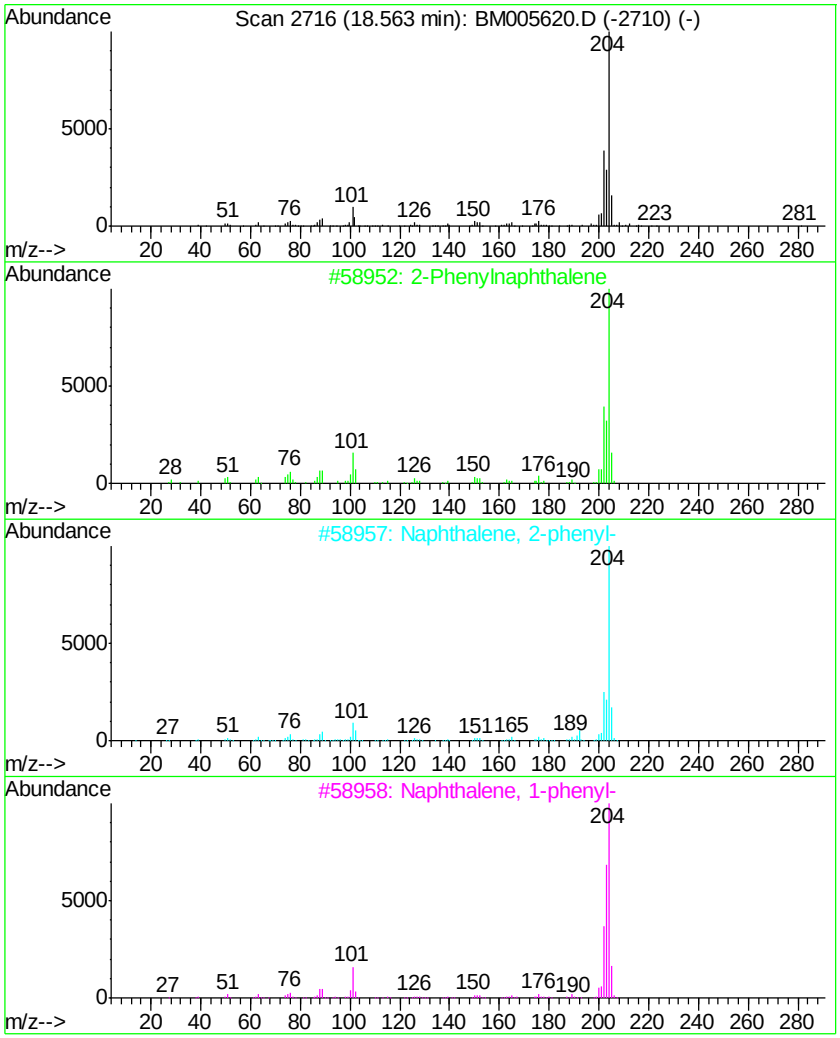
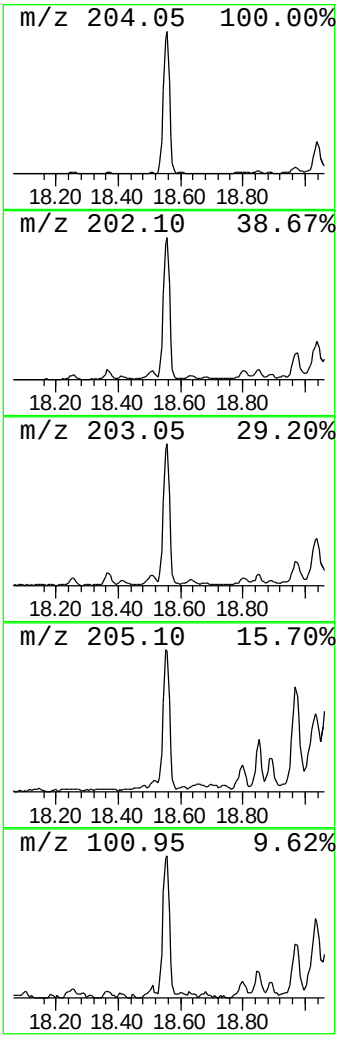
Peak Number 10 2-Phenylnaphthalene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	5.95 ng/ul	658941	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	87
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	83
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64





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Quant Title : SVOA CALIBRATION

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

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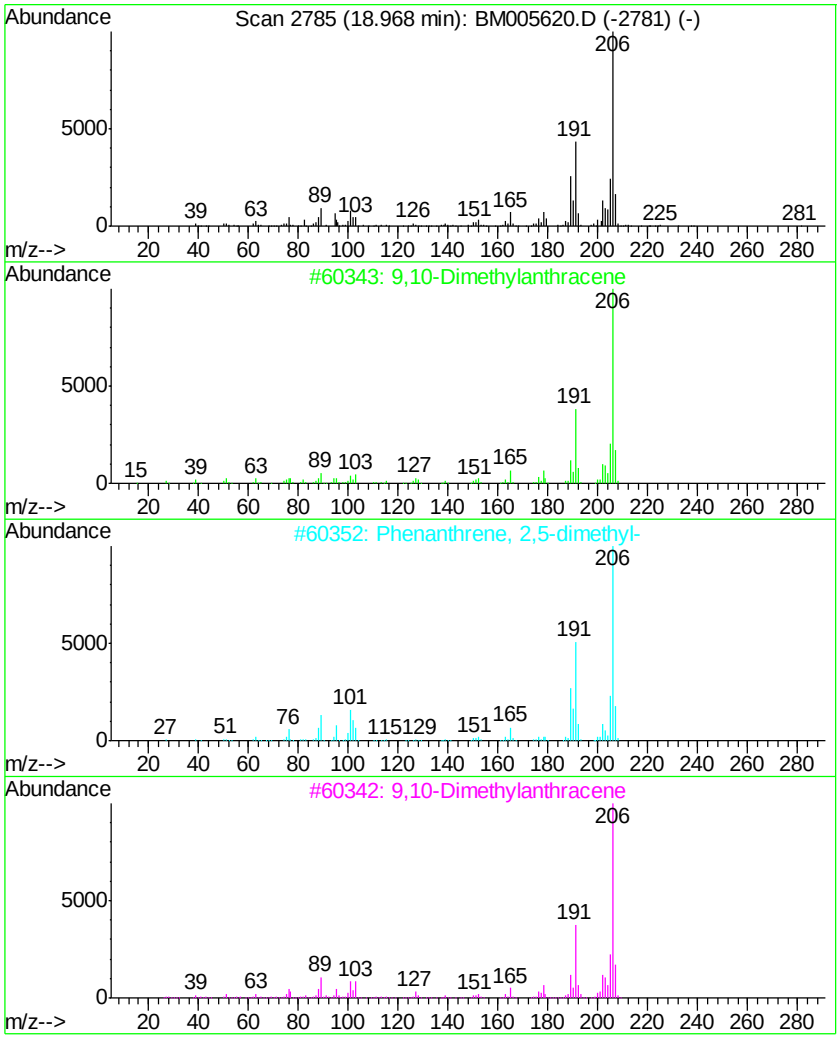
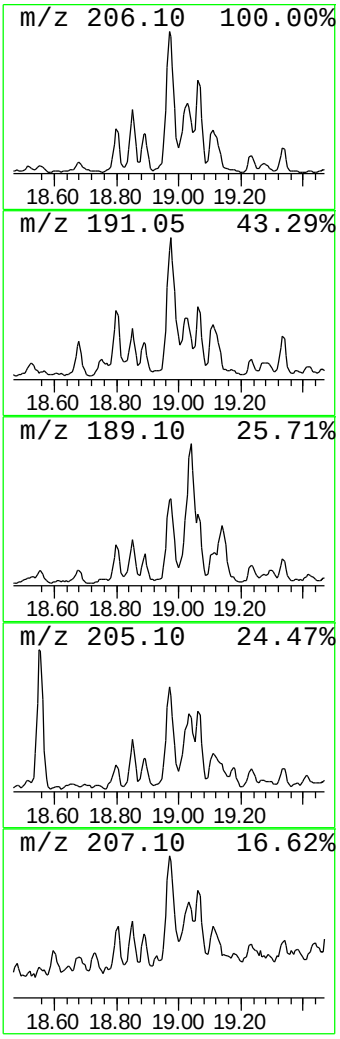
Peak Number 11 9,10-Dimethylanthracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	4.77 ng/ul	527555	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	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93





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Quant Title : SVOA CALIBRATION

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

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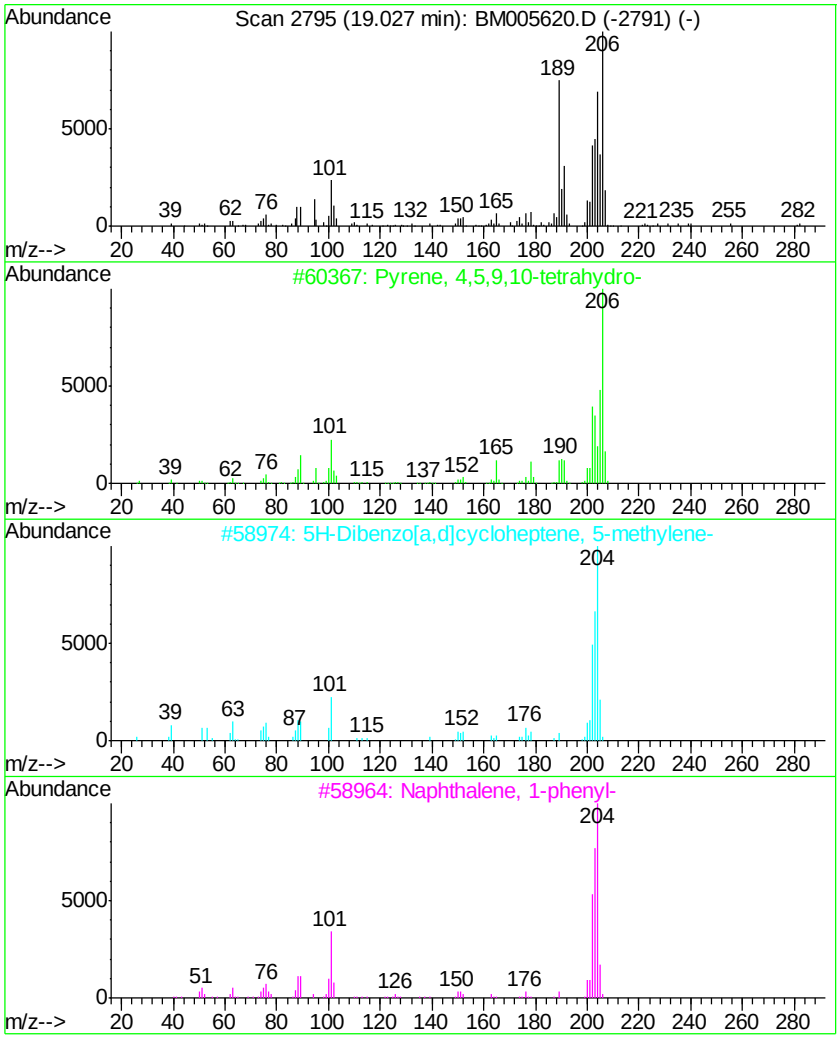
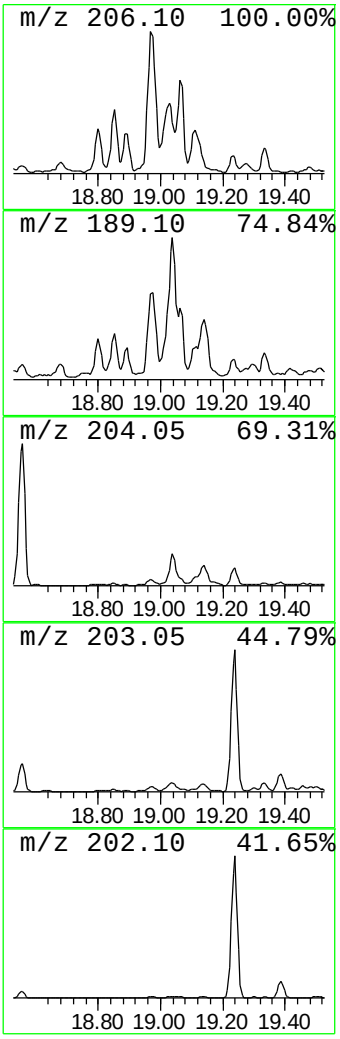
Peak Number 12 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.03	2.61 ng/ul	289336	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	51
2	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	51
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	45
4	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	42
5	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	41





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Instrument : BNA_M
ClientSampleId : JHGK5

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Quant Title : SVOA CALIBRATION

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

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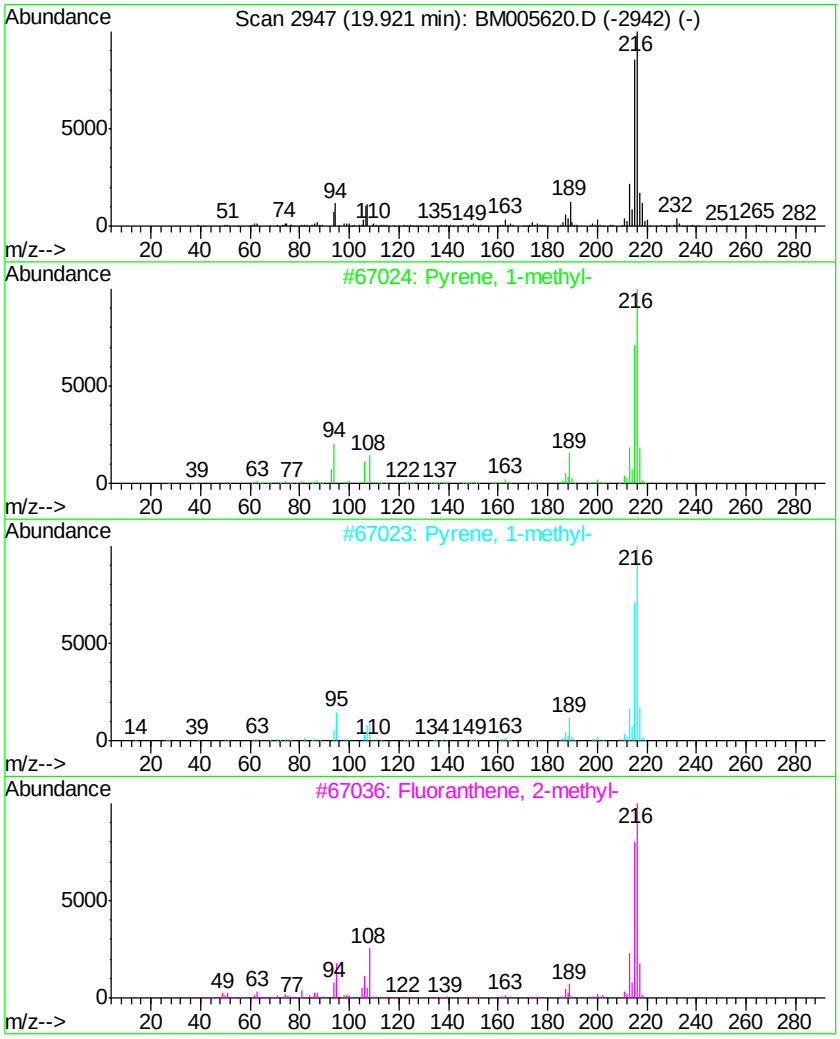
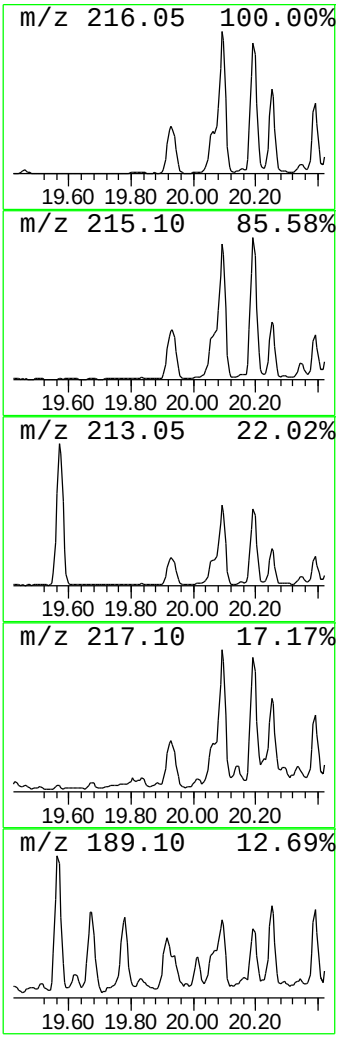
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	2.36 ng/ul	567200	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	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94





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Instrument : BNA_M
ClientSampleId : JHGK5

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Quant Title : SVOA CALIBRATION

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

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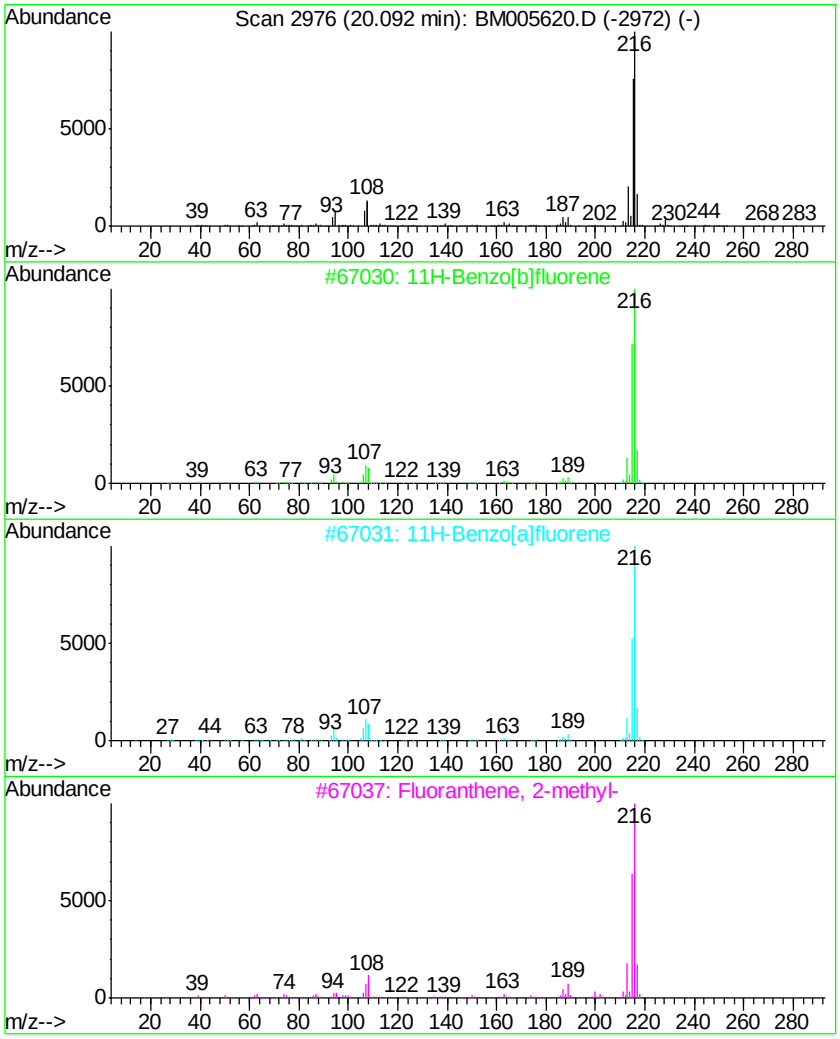
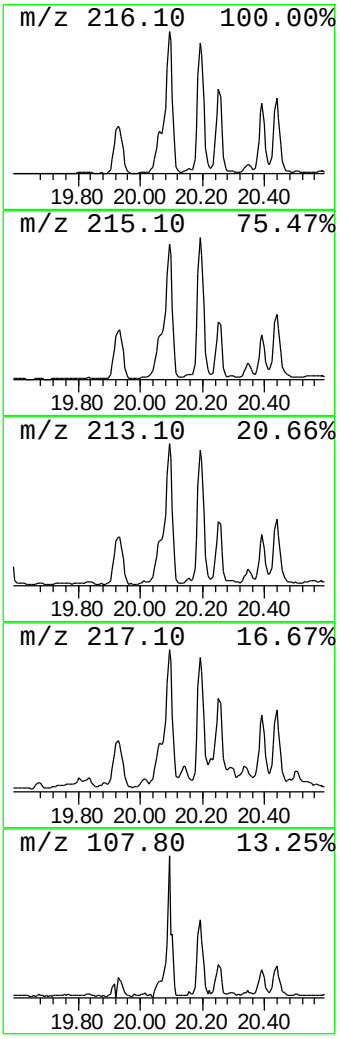
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.09	4.22 ng/ul	1015100	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





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Misc :
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Instrument : BNA_M
ClientSampleId : JHGK5

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Quant Title : SVOA CALIBRATION

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

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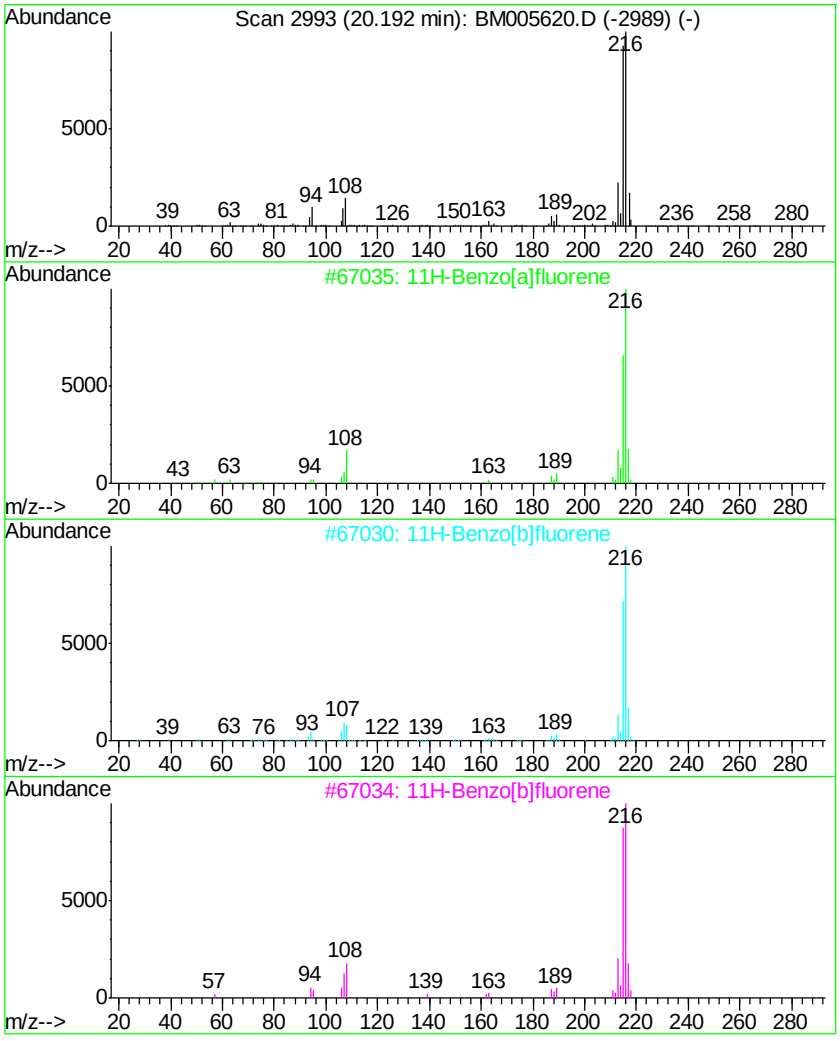
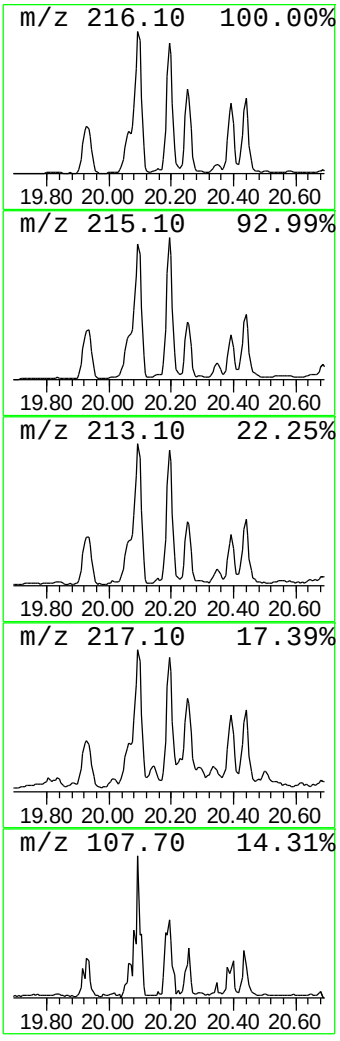
Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.19	3.17 ng/ul	761910	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83





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Quant Title : SVOA CALIBRATION

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

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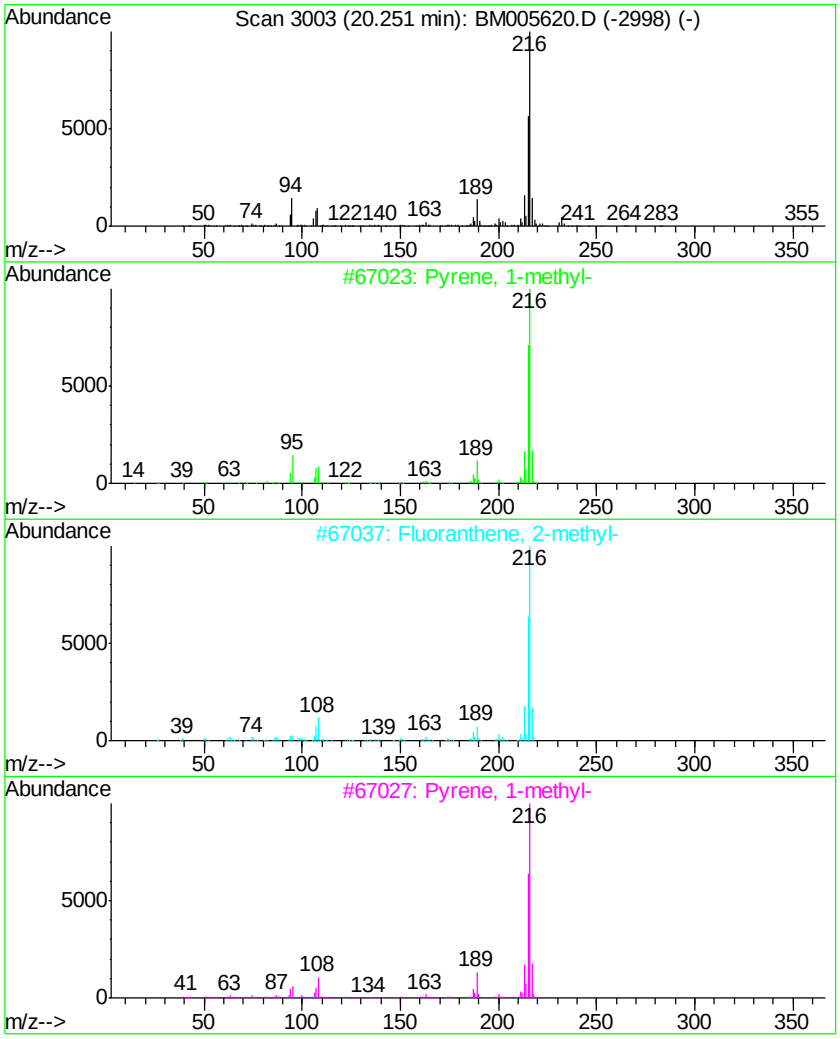
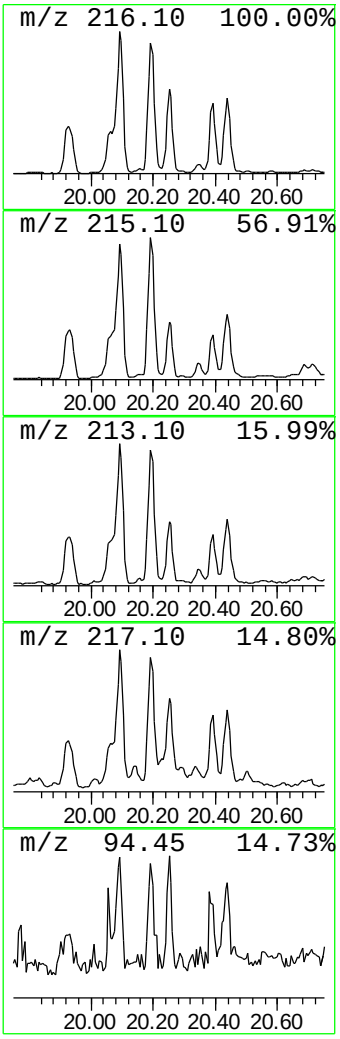
Peak Number 17 Pyrene, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.25	2.19 ng/ul	526339	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95





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Quant Title : SVOA CALIBRATION

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

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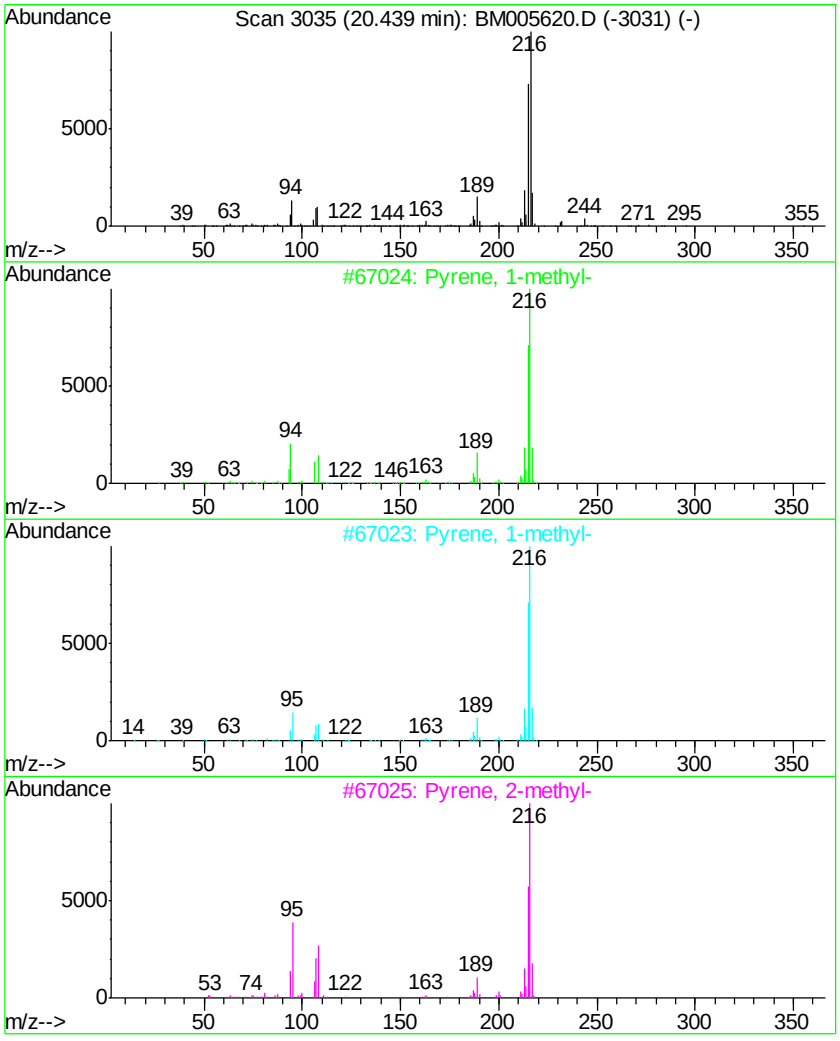
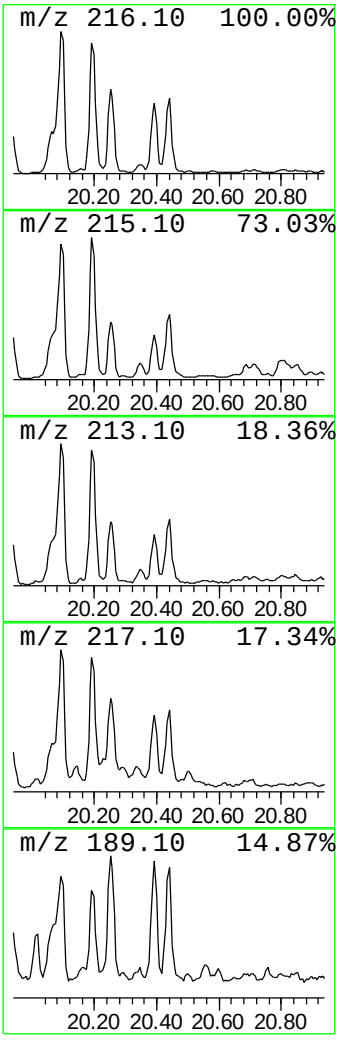
Peak Number 18 Pyrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.44	2.08 ng/ul	500874	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93





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Quant Title : SVOA CALIBRATION

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

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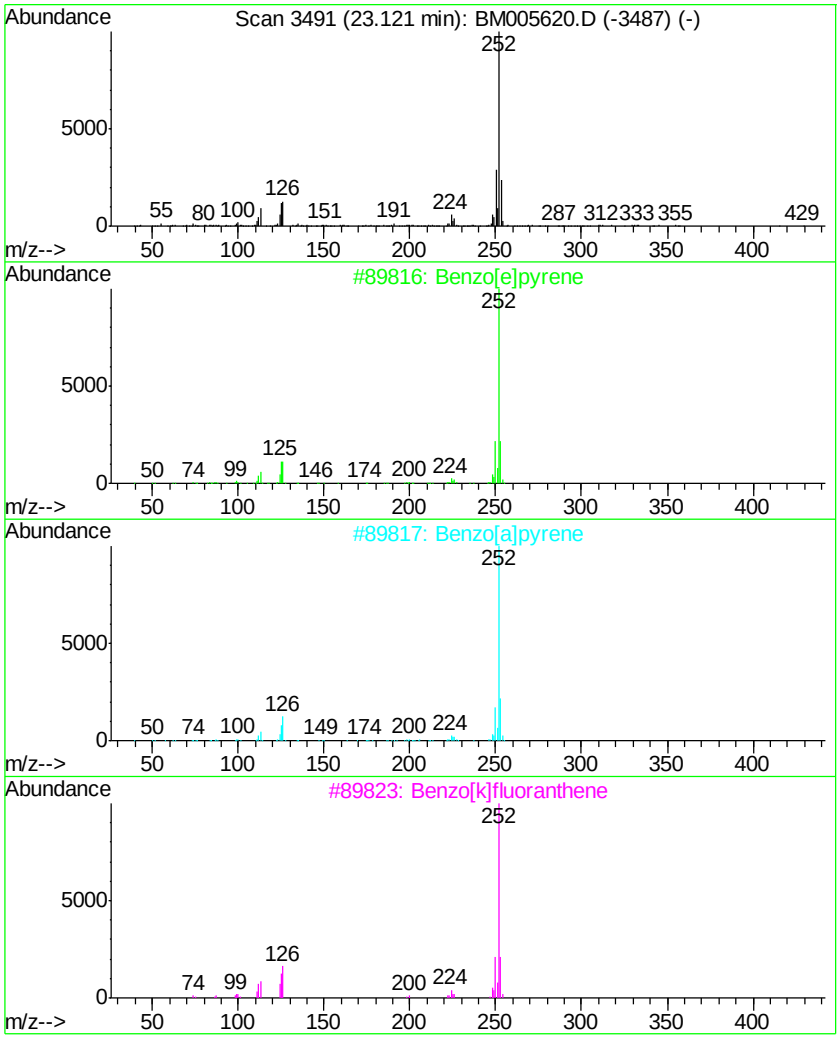
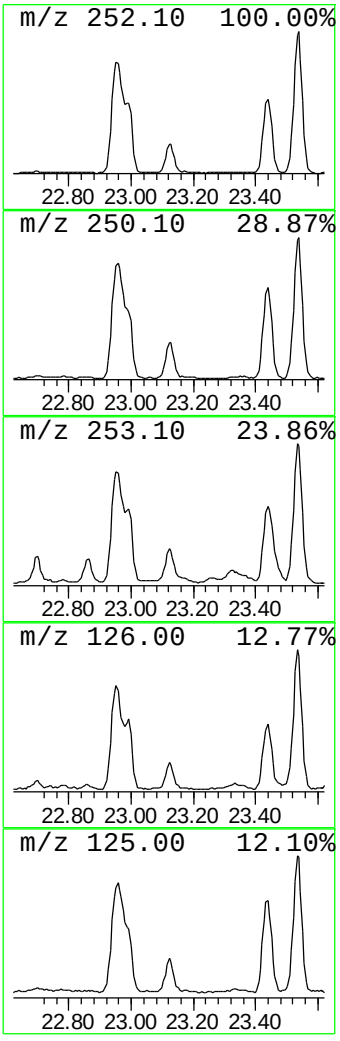
Peak Number 19 Benzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.12	3.18 ng/ul	369193	Perylene-d12	23.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	98
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
4	Perylene	252	C20H12	000198-55-0	96
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005620.D
Acq On : 23 May 2016 21:46
Operator : UM/SJ
Sample : H3087-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK5

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

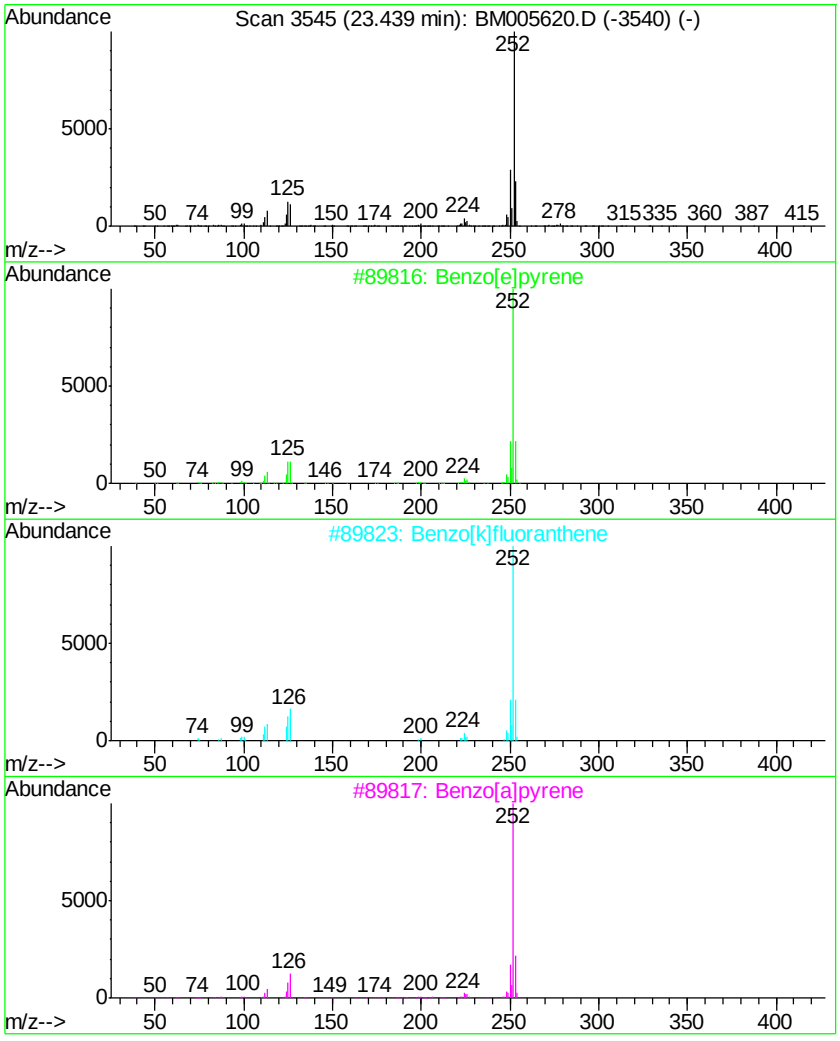
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

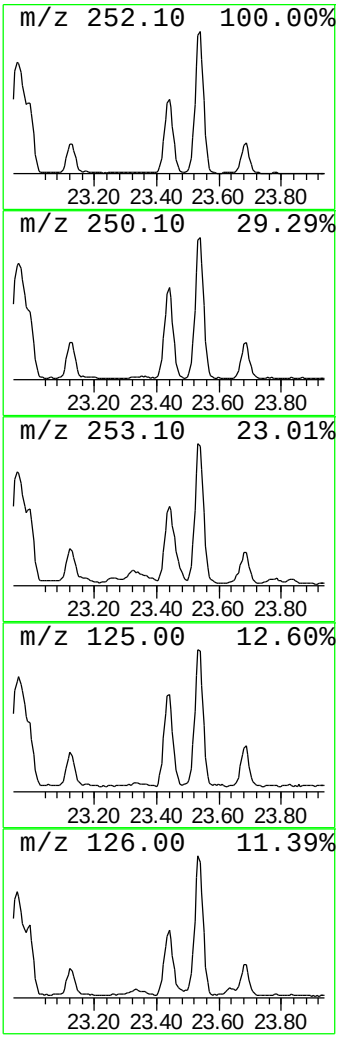
****

Peak Number 20 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.44	7.78 ng/ul	902567	Perylene-d12	23.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	97
4	Perylene	252	C20H12	000198-55-0	95
5	Perylene	252	C20H12	000198-55-0	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005620.D
Acq On : 23 May 2016 21:46
Operator : UM/SJ
Sample : H3087-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK5

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 2,3-...	13.76	2.0	ng/ul	195446	3	14.44	1910850	20.0
9H-Fluorene, 2-me...	16.49	3.1	ng/ul	345808	4	17.18	2214150	20.0
Dibenzothiophene	17.00	2.9	ng/ul	324552	4	17.18	2214150	20.0
Anthracene, 9-eth...	17.70	2.2	ng/ul	241672	4	17.18	2214150	20.0
Phenanthrene, 2-m...	18.10	8.0	ng/ul	884517	4	17.18	2214150	20.0
Anthracene, 2-met...	18.18	3.2	ng/ul	353449	4	17.18	2214150	20.0
4H-Cyclopenta[def...	18.25	14.3	ng/ul	1581190	4	17.18	2214150	20.0
1H-Indene, 2-phenyl-	18.29	5.5	ng/ul	609220	4	17.18	2214150	20.0
2-Phenylnaphthalene	18.56	6.0	ng/ul	658941	4	17.18	2214150	20.0
9,10-Dimethylanth...	18.97	4.8	ng/ul	527555	4	17.18	2214150	20.0
Pyrene, 4,5,9,10-...	19.03	2.6	ng/ul	289336	4	17.18	2214150	20.0
Pyrene, 1-methyl-	19.92	2.4	ng/ul	567200	5	21.36	4807760	20.0
11H-Benzo[b]fluorene	20.09	4.2	ng/ul	1015100	5	21.36	4807760	20.0
11H-Benzo[a]fluorene	20.19	3.2	ng/ul	761910	5	21.36	4807760	20.0
Pyrene, 4-methyl-	20.25	2.2	ng/ul	526339	5	21.36	4807760	20.0
Pyrene, 2-methyl-	20.44	2.1	ng/ul	500874	5	21.36	4807760	20.0
Benzo[e]pyrene	23.12	3.2	ng/ul	369193	6	23.64	2321370	20.0
Perylene	23.44	7.8	ng/ul	902567	6	23.64	2321370	20.0