LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005591.D
Acq On : 22 May 2016 17:49
Operator : UM/SJ
Sample : H3087-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK4

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	2.634	3	8	16	rVB3	15058	28281	1.23%	0.089%
2	6.981	738	747	756	rBV	137546	237858	10.38%	0.752%
3	7.145	769	775	784	rBB	101718	155770	6.80%	0.493%
4	7.345	803	809	816	rBB	128520	208970	9.12%	0.661%
5	7.810	882	888	895	rBB	155245	242740	10.60%	0.768%
6	8.516	1002	1008	1014	rBV	177373	275438	12.02%	0.871%
7	8.963	1078	1084	1091	rBB	134510	226374	9.88%	0.716%
8	9.686	1199	1207	1213	rBB	119731	197776	8.63%	0.626%
9	9.839	1228	1233	1238	rBB2	25506	37244	1.63%	0.118%
10	10.222	1292	1298	1306	rBB	190375	311276	13.59%	0.985%
11	10.598	1355	1362	1369	rBV	252889	426132	18.60%	1.348%
12	10.739	1379	1386	1401	rVB	143224	252543	11.02%	0.799%
13	13.851	1909	1915	1920	rVV	410387	578341	25.25%	1.829%
14	13.898	1920	1923	1931	rVB	103926	141349	6.17%	0.447%
15	14.139	1958	1964	1975	rVB	422110	726822	31.73%	2.299%
16	14.345	1994	1999	2005	rBV	21503	28564	1.25%	0.090%
17	14.445	2007	2016	2022	rBV2	430366	668455	29.18%	2.114%
18	14.510	2022	2027	2034	rVB2	16509	24468	1.07%	0.077%
19	14.645	2042	2050	2062	rBV	200804	305786	13.35%	0.967%
20	14.845	2080	2084	2089	rVB2	22755	31181	1.36%	0.099%
21	15.063	2111	2121	2125	rBV5	12770	27837	1.22%	0.088%
22	15.292	2157	2160	2168	rVB2	28618	44219	1.93%	0.140%
23	15.433	2176	2184	2190	rBV	600789	903743	39.45%	2.858%
24	15.492	2190	2194	2199	rVV2	56625	86175	3.76%	0.273%
25	15.551	2199	2204	2211	rVB	135930	177589	7.75%	0.562%
26	15.698	2223	2229	2234	rVB5	14770	29337	1.28%	0.093%
27	15.786	2239	2244	2251	rVB2	20491	36569	1.60%	0.116%
28	15.927	2259	2268	2276	rBV5	18059	49050	2.14%	0.155%
29	16.157	2299	2307	2314	rBV4	49074	97965	4.28%	0.310%
30	16.333	2333	2337	2342	rVB	16556	22921	1.00%	0.072%
31	16.492	2356	2364	2368	rBV3	37454	77143	3.37%	0.244%
32	16.539	2368	2372	2378	rVB3	21309	33473	1.46%	0.106%
33	16.645	2386	2390	2396	rVB	21981	33853	1.48%	0.107%
34	16.721	2399	2403	2406	rVV4	15563	23742	1.04%	0.075%

LSC Area Percent Report

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Data File : BM005591.D
Acq On : 22 May 2016 17:49
Operator : UM/SJ
Sample : H3087-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK4

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	16.762	2406	2410	2413	rVB3	17462	24166	1.05%	0.076%
36	16.839	2419	2423	2431	rVB4	23715	43751	1.91%	0.138%
37	16.915	2431	2436	2438	rVV2	23357	34383	1.50%	0.109%
38	16.945	2438	2441	2446	rVV3	24184	39373	1.72%	0.125%
39	17.004	2446	2451	2460	rVB	54751	85583	3.74%	0.271%
40	17.186	2475	2482	2485	rBV	618367	908226	39.65%	2.873%
41	17.227	2485	2489	2494	rVV	801529	1139963	49.76%	3.606%
42	17.286	2494	2499	2502	rVV	757710	1133549	49.48%	3.585%
43	17.315	2502	2504	2509	rVB	183655	223896	9.77%	0.708%
44	17.368	2509	2513	2521	rBV5	26383	60261	2.63%	0.191%
45	17.586	2538	2550	2554	rBV2	31610	70001	3.06%	0.221%
46	17.704	2564	2570	2574	rBV	40152	55694	2.43%	0.176%
47	17.762	2577	2580	2589	rVB2	32478	56018	2.45%	0.177%
48	17.904	2600	2604	2609	rBV2	18016	28817	1.26%	0.091%
49	18.056	2625	2630	2634	rBV	182289	264983	11.57%	0.838%
50	18.104	2634	2638	2643	rVB	208966	294850	12.87%	0.933%
51	18.186	2648	2652	2657	rVV	80682	110396	4.82%	0.349%
52	18.251	2657	2663	2667	rVV2	265610	482965	21.08%	1.528%
53	18.286	2667	2669	2677	rVB	128578	176266	7.69%	0.558%
54	18.515	2702	2708	2711	rBV5	17437	38384	1.68%	0.121%
55	18.556	2711	2715	2720	rVV	171227	260599	11.38%	0.824%
56	18.598	2720	2722	2728	rVB3	43833	59210	2.58%	0.187%
57	18.804	2749	2757	2761	rBV3	53432	85861	3.75%	0.272%
58	18.856	2762	2766	2769	rVV	45194	65558	2.86%	0.207%
59	18.892	2769	2772	2776	rVB2	36508	45517	1.99%	0.144%
60	18.974	2781	2786	2791	rBV2	120646	206177	9.00%	0.652%
61	19.045	2791	2798	2800	rBV2	72295	136121	5.94%	0.431%
62	19.115	2805	2810	2819	rBV3	64865	143589	6.27%	0.454%
63	19.239	2823	2831	2837	rVB	1589879	2213647	96.63%	7.002%
64	19.303	2837	2842	2845	rBV	48574	69231	3.02%	0.219%
65	19.339	2845	2848	2852	rVB3	43561	53677	2.34%	0.170%
66	19.392	2852	2857	2861	rBV	104327	146889	6.41%	0.465%
67	19.439	2861	2865	2867	rBV3	18859	23993	1.05%	0.076%
68	19.486	2869	2873	2876	rBV	37554	45242	1.97%	0.143%
69	19.574	2882	2888	2890	rBV2	1235599	1728570	75.46%	5.467%
70	19.603	2890	2893	2901	rVV	1434163	1974618	86.20%	6.246%
71	19.674	2901	2905	2911	rVB2	76338	129064	5.63%	0.408%

LSC Area Percent Report

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Sample : H3087-09
Misc :
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Instrument : BNA_M
ClientSampleId : JHGK4

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

72	19.780	2918	2923	2929	rBV	70626	100676	4.39%	0.318%
73	19.839	2929	2933	2941	rVB	51523	81293	3.55%	0.257%
74	19.927	2942	2948	2955	rBV5	109885	270261	11.80%	0.855%
75	20.015	2960	2963	2966	rVV2	37860	52330	2.28%	0.166%
76	20.062	2966	2971	2973	rVV3	93128	161544	7.05%	0.511%
77	20.098	2973	2977	2983	rVB	300673	431253	18.83%	1.364%
78	20.198	2989	2994	2998	rBV	263571	334098	14.58%	1.057%
79	20.256	2998	3004	3008	rVV2	147719	219085	9.56%	0.693%
80	20.339	3014	3018	3024	rBV5	36254	78152	3.41%	0.247%
81	20.398	3024	3028	3031	rVV	101789	135791	5.93%	0.429%
82	20.439	3031	3035	3039	rVB	114404	161955	7.07%	0.512%
83	20.686	3074	3077	3080	rBV2	33056	50849	2.22%	0.161%
84	20.845	3101	3104	3111	rVB	86642	140007	6.11%	0.443%
85	21.009	3129	3132	3135	rVB	106122	122377	5.34%	0.387%
86	21.045	3135	3138	3140	rBV	112987	135851	5.93%	0.430%
87	21.074	3140	3143	3149	rVB3	151937	274084	11.96%	0.867%
88	21.356	3185	3191	3195	rBV2	1225162	2290749	100.00%	7.245%
89	21.397	3195	3198	3205	rVB	760674	973598	42.50%	3.079%
90	21.515	3215	3218	3222	rBV	93251	116724	5.10%	0.369%
91	21.915	3284	3286	3290	rVB	108288	119186	5.20%	0.377%
92	22.950	3457	3462	3468	rBV	345606	883633	38.57%	2.795%
93	23.444	3541	3546	3549	rBV	184131	343314	14.99%	1.086%
94	23.491	3549	3554	3559	rVV2	844055	1714222	74.83%	5.422%
95	23.538	3559	3562	3569	rVB	402634	698755	30.50%	2.210%
96	23.638	3573	3579	3585	rBV2	720781	1352234	59.03%	4.277%
97	24.944	3795	3801	3811	rVB3	153111	377426	16.48%	1.194%
98	25.932	3964	3969	3982	rVB2	188709	588929	25.71%	1.863%

Sum of corrected areas: 31616448

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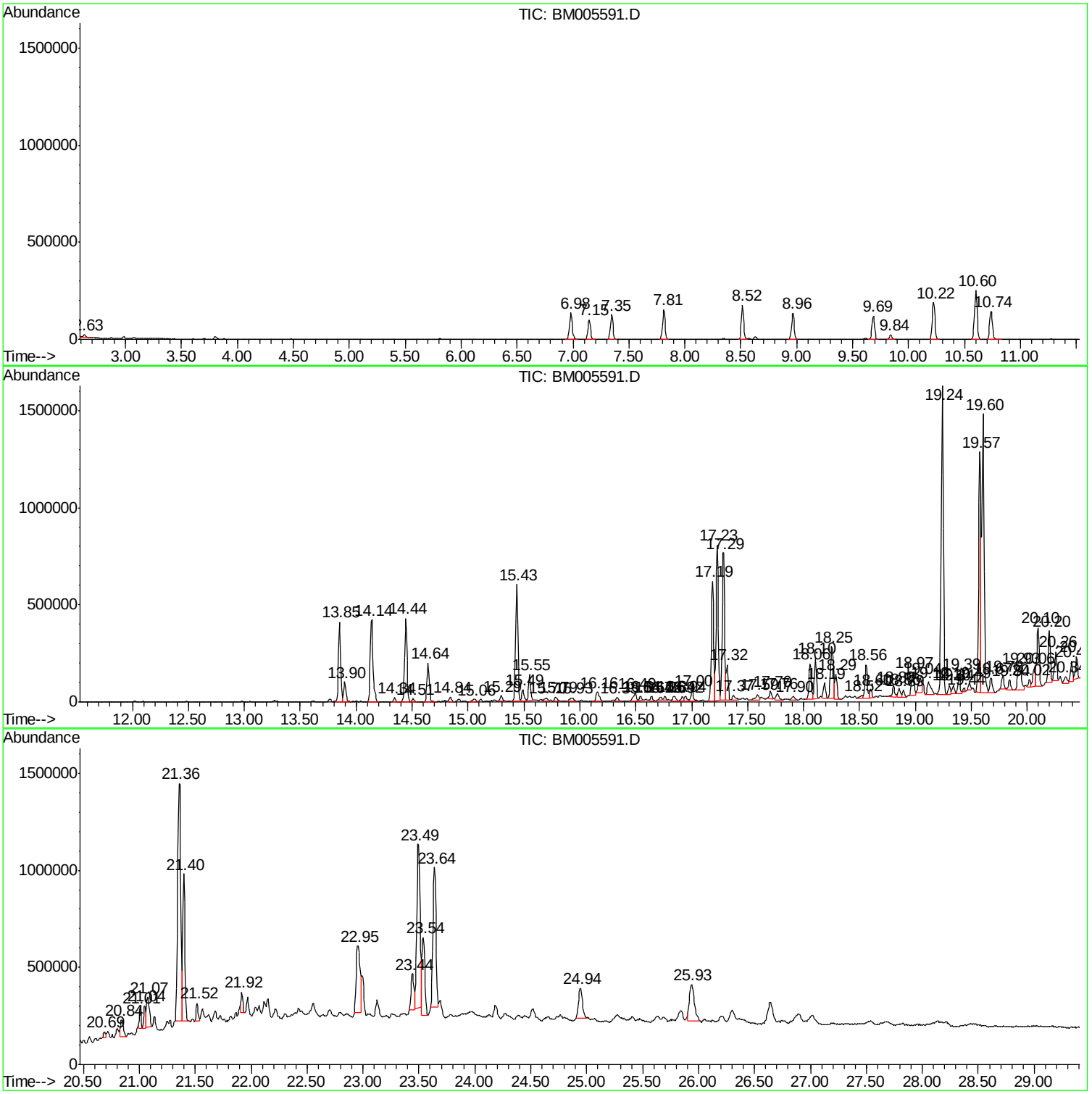
Instrument : BNA_M
ClientSampleId : JHGK4

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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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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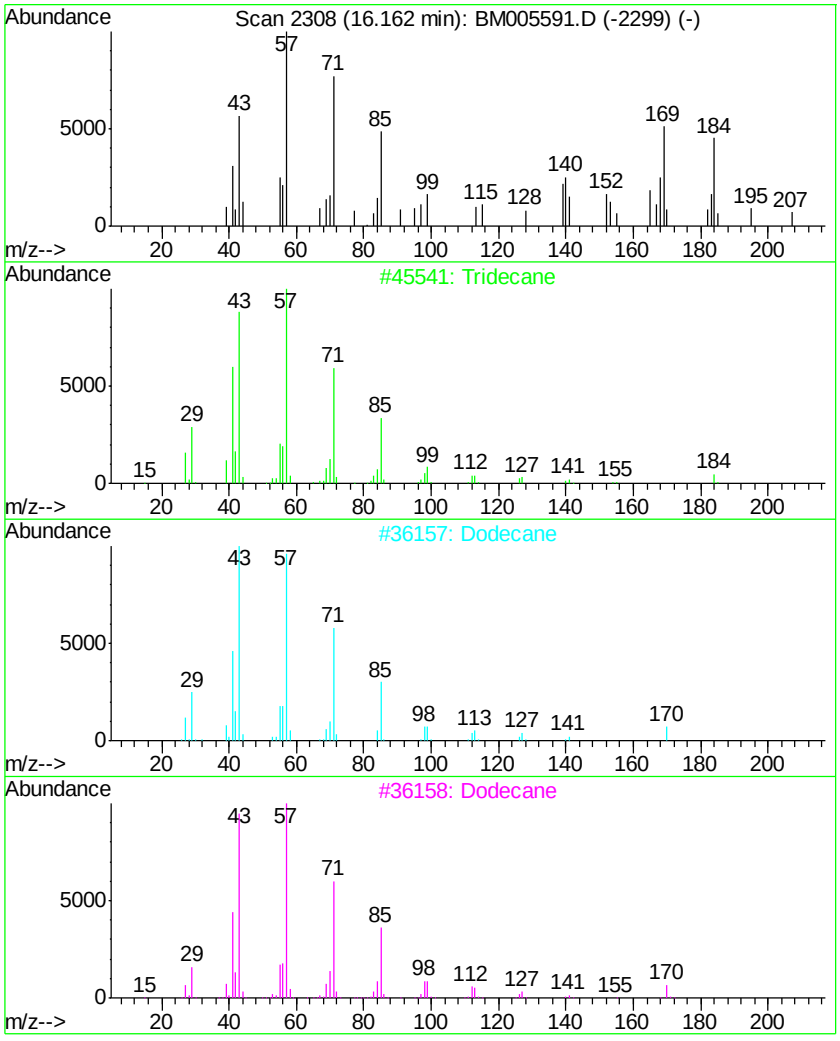
TIC Integration Parameters: LSCINT.P

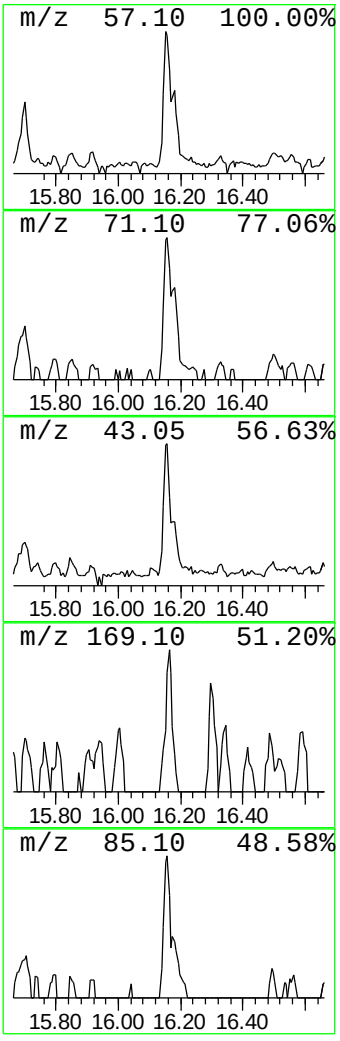
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	2.16 ng/ul	97965	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	49
2	Dodecane	170	C12H26	000112-40-3	46
3	Dodecane	170	C12H26	000112-40-3	46
4	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	43
5	Dodecane	170	C12H26	000112-40-3	41





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005591.D
Acq On : 22 May 2016 17:49
Operator : UM/SJ
Sample : H3087-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK4

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

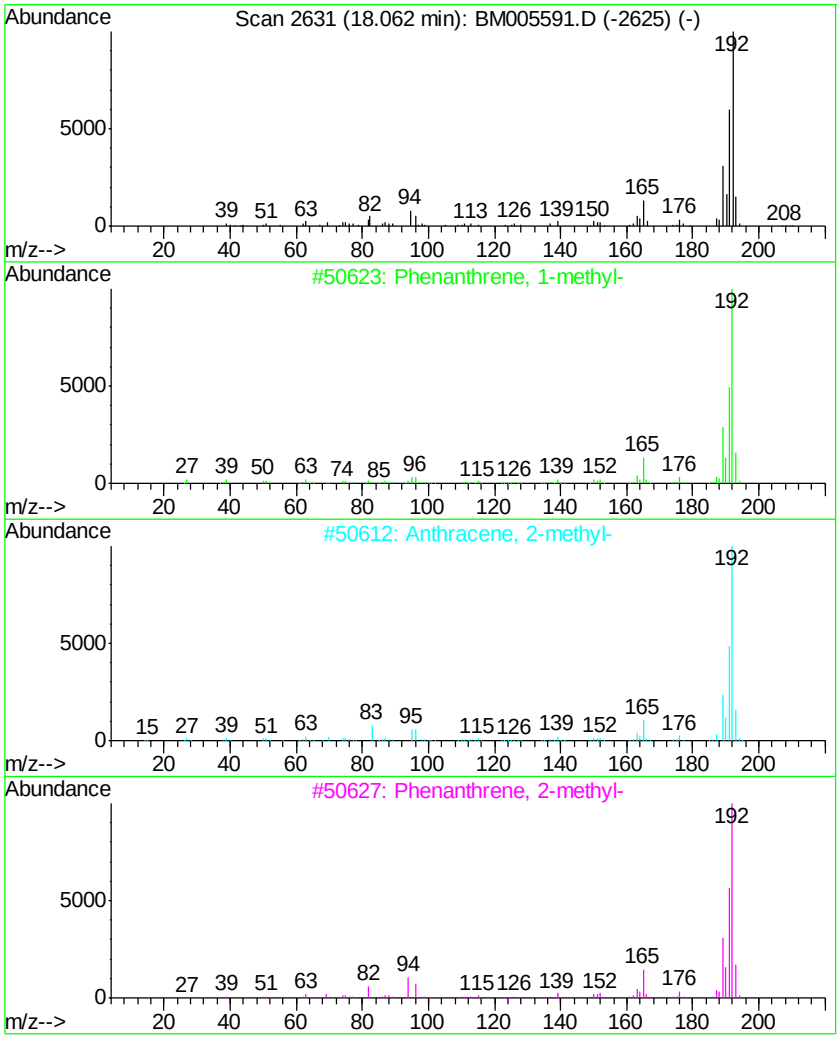
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

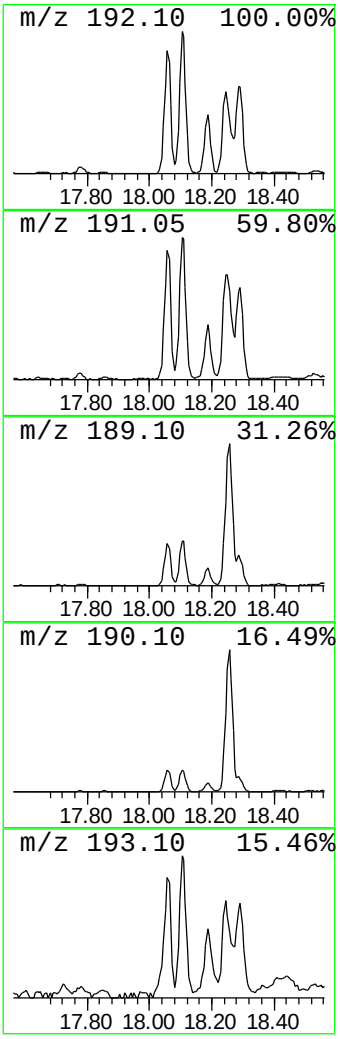
****

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	5.84 ng/ul	264983	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
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Acq On : 22 May 2016 17:49
Operator : UM/SJ
Sample : H3087-09
Misc :
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Instrument : BNA_M
ClientSampleId : JHGK4

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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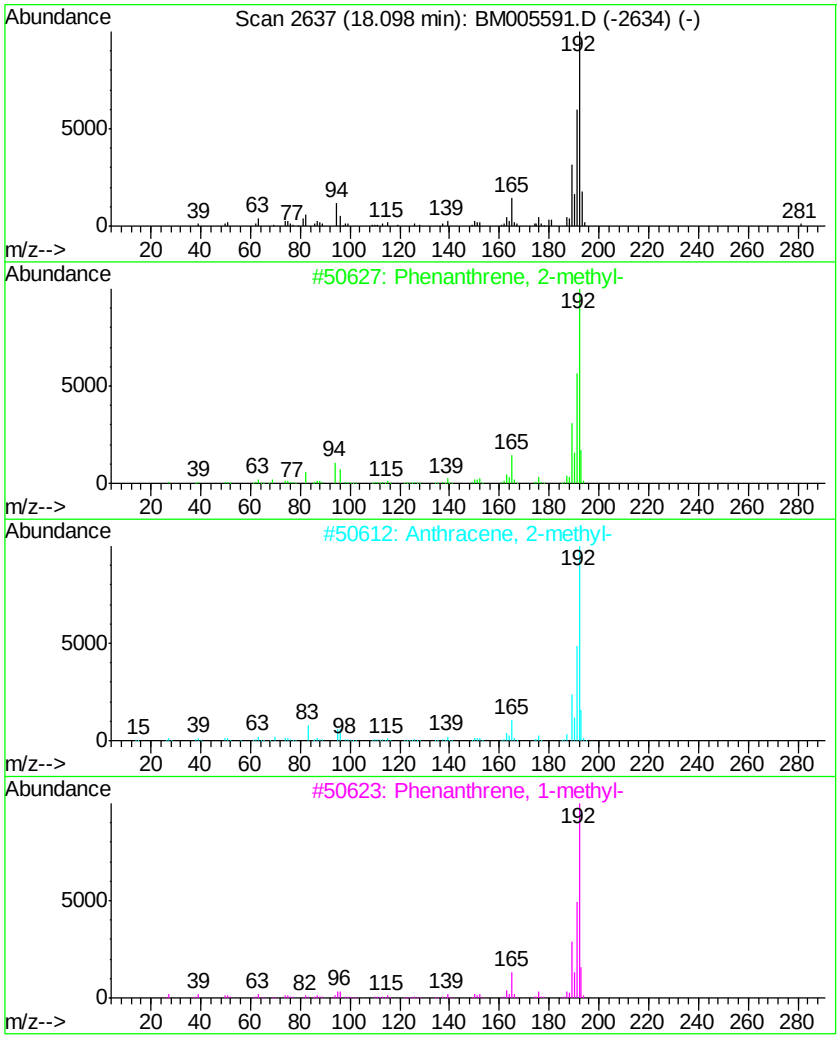
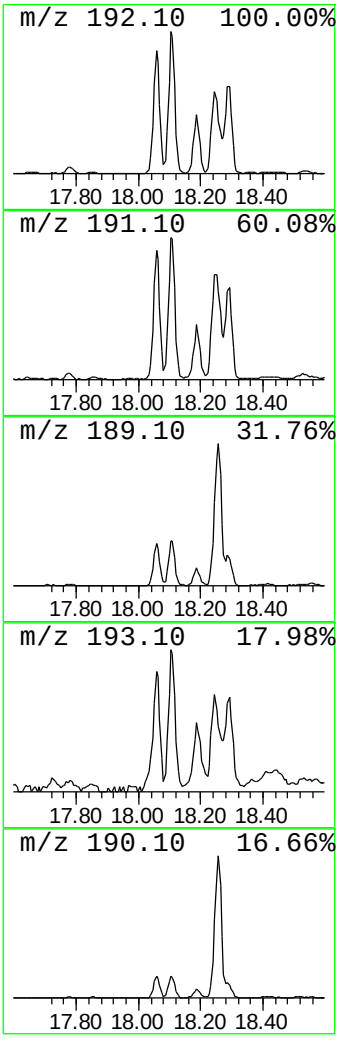
Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	6.49 ng/ul	294850	Phenanthrene-d10	17.19

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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005591.D
Acq On : 22 May 2016 17:49
Operator : UM/SJ
Sample : H3087-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK4

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

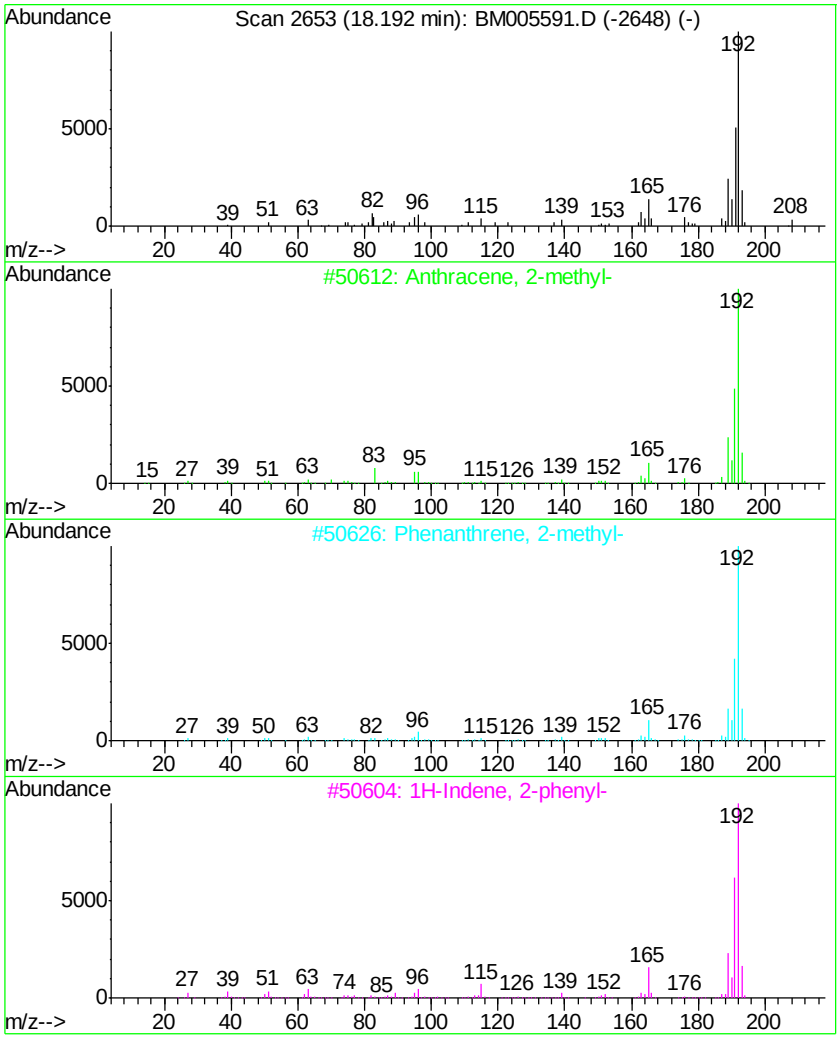
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

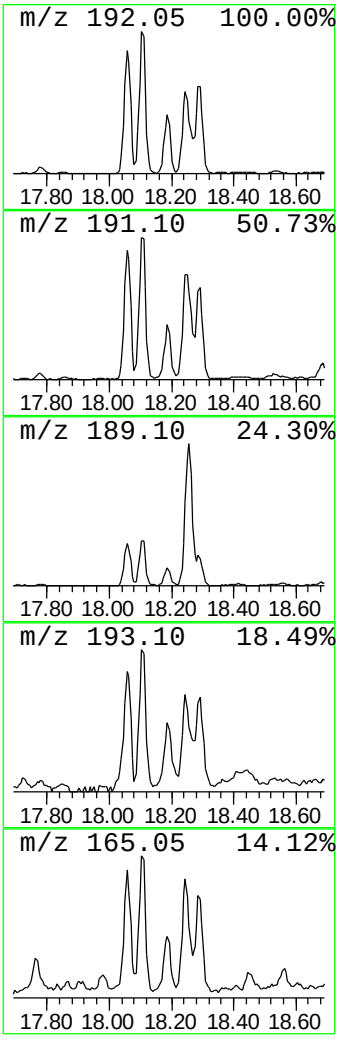
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	2.43 ng/ul	110396	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005591.D
Acq On : 22 May 2016 17:49
Operator : UM/SJ
Sample : H3087-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK4

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

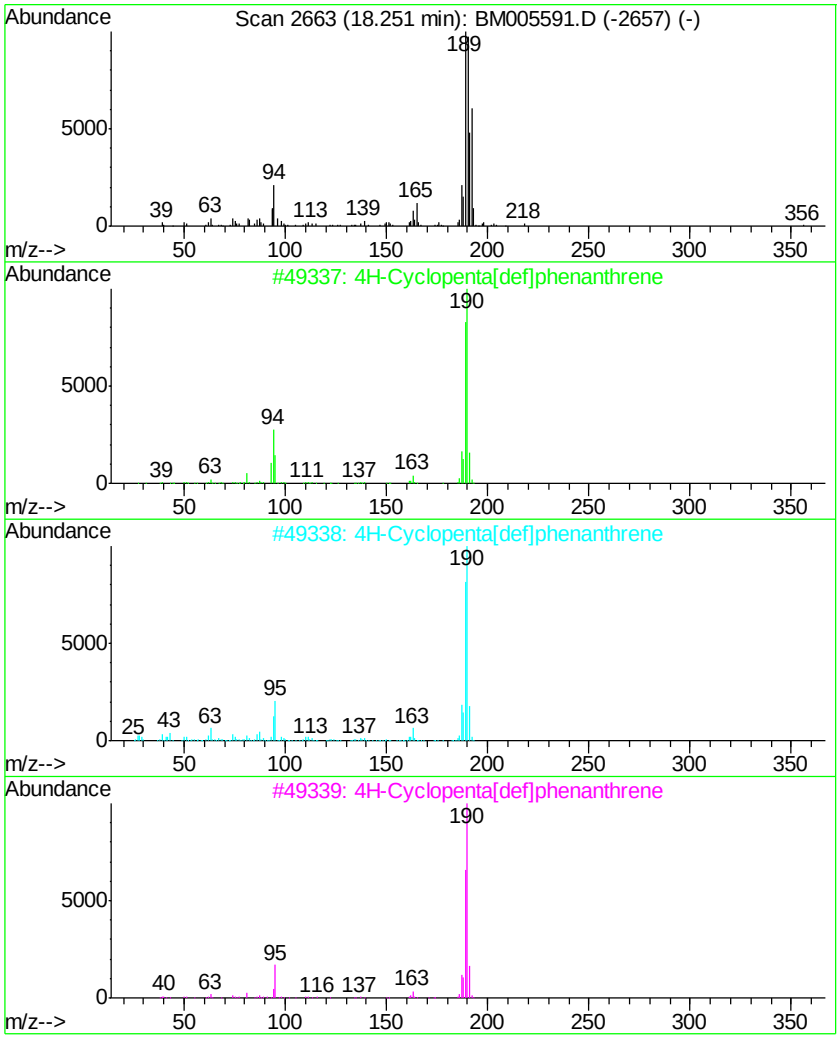
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

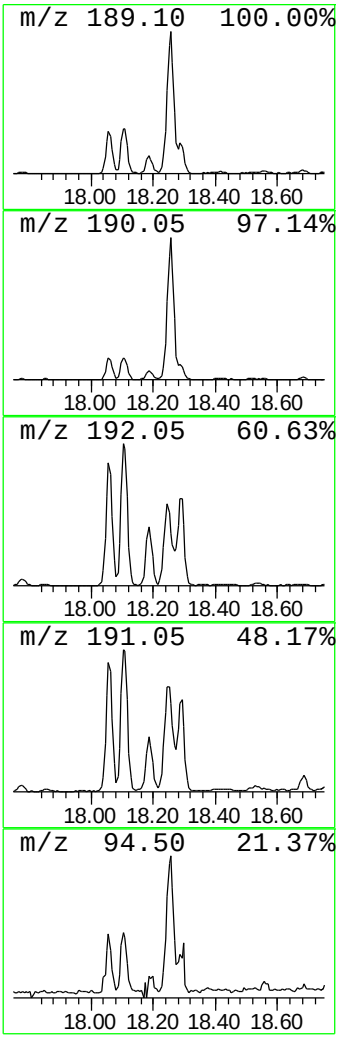
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	10.64 ng/ul	482965	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	25





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052216\
Data File : BM005591.D
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Sample : H3087-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK4

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

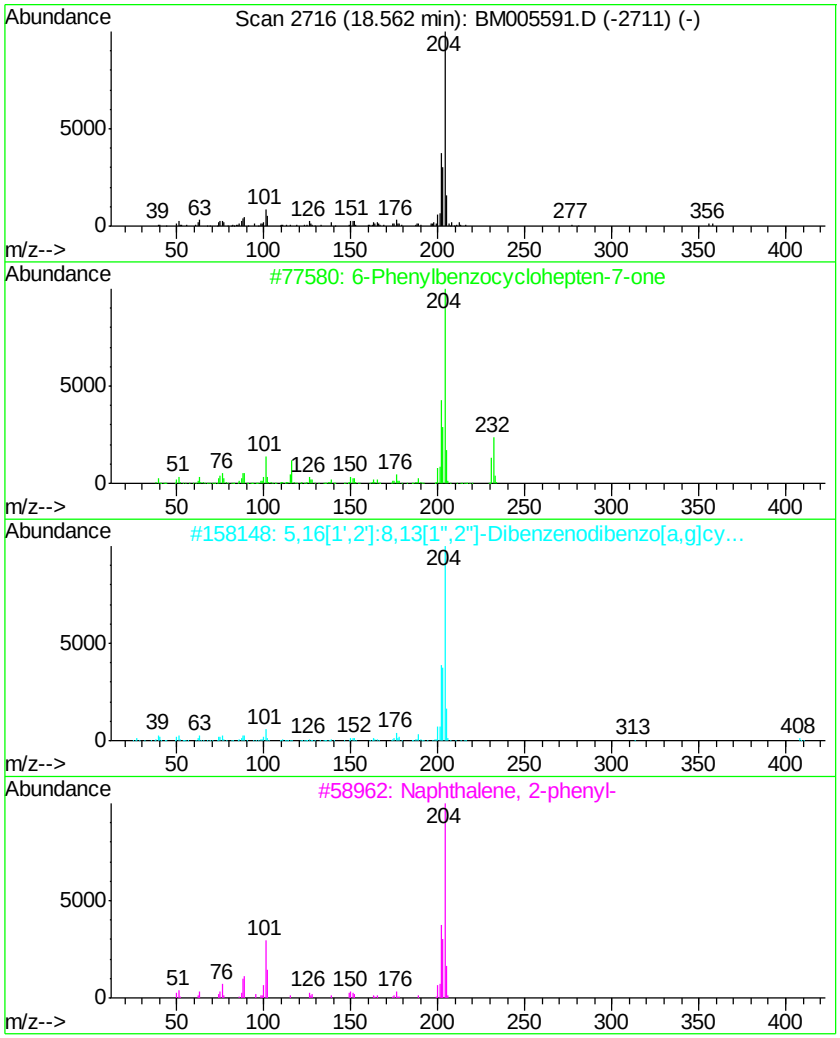
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

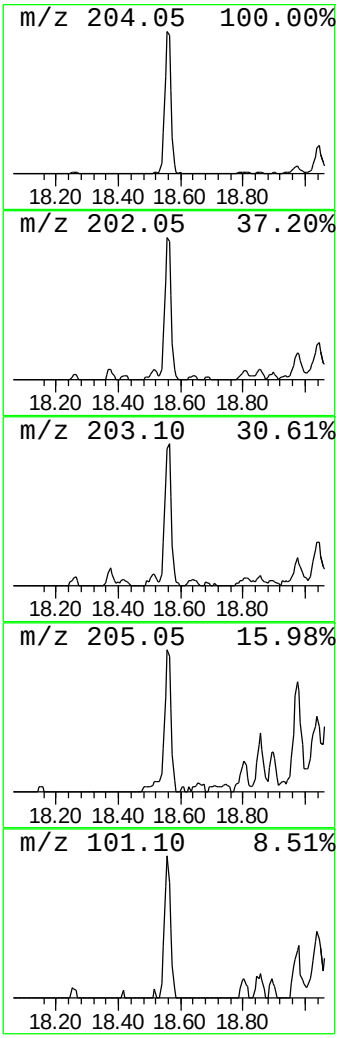
****

Peak Number 8 6-Phenylbenzocyclohepten-7-one Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	5.74 ng/ul	260599	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76





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Acq On : 22 May 2016 17:49
Operator : UM/SJ
Sample : H3087-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK4

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

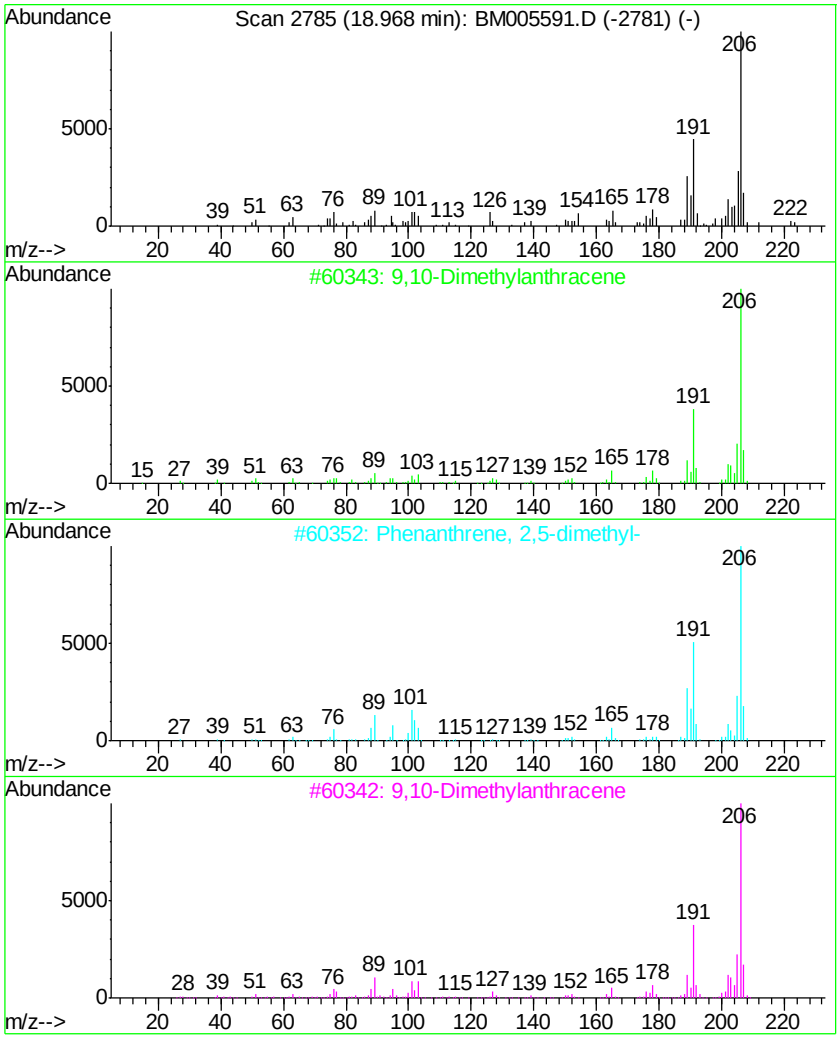
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

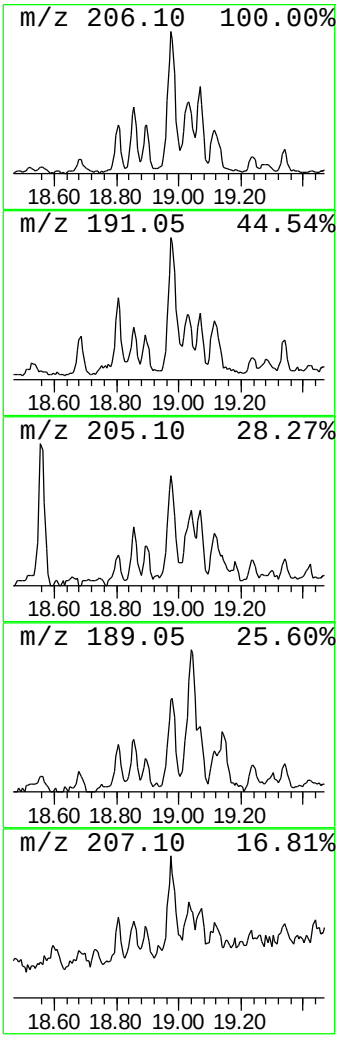
****

Peak Number 9 9,10-Dimethylanthracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	4.54 ng/ul	206177	Phenanthrene-d10	17.19

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	94
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	90





Library Search Compound Report

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Sample : H3087-09
Misc :
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Instrument : BNA_M
ClientSampleId : JHGK4

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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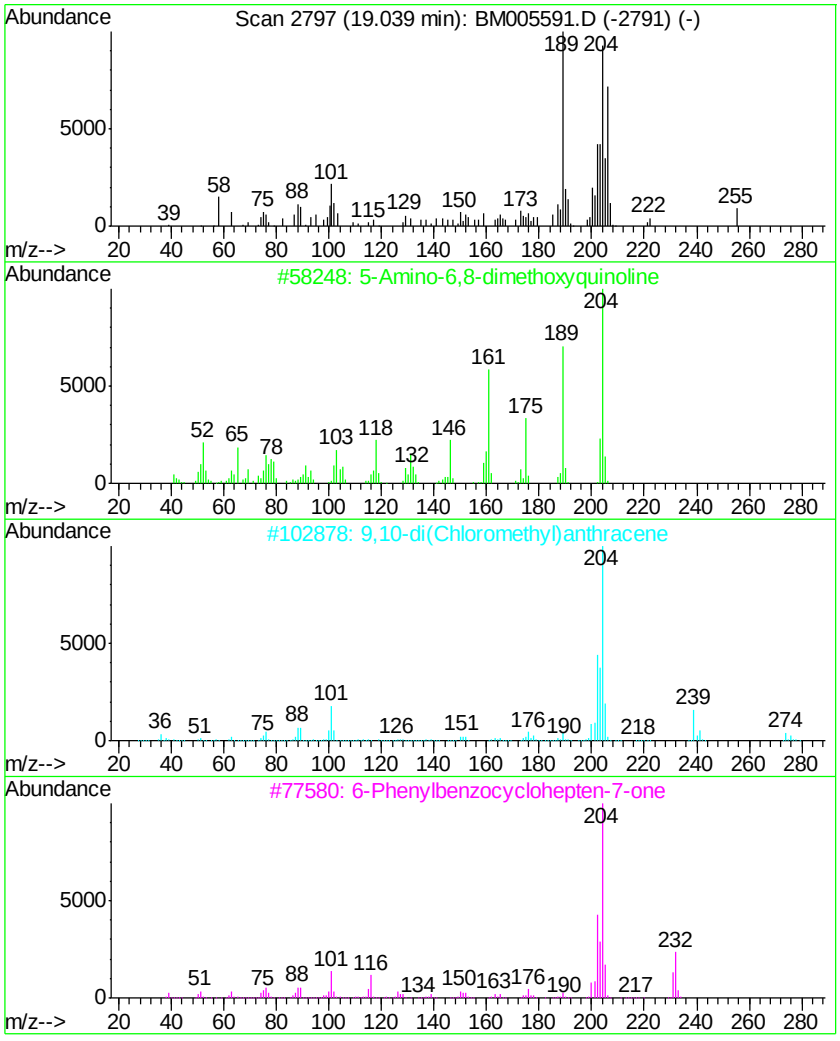
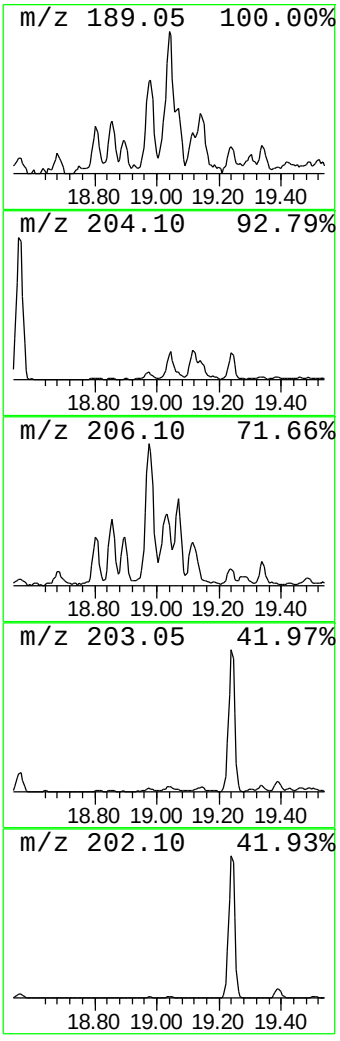
Peak Number 10 unknown-01 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.04	3.00 ng/ul	136121	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Amino-6,8-dimethoxyquinoline	204	C11H12N2O2	1000213-95-2	38
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	38
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	35
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	35
5	2-Phenylnaphthalene	204	C16H12	035465-71-5	30





Library Search Compound Report

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Sample : H3087-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK4

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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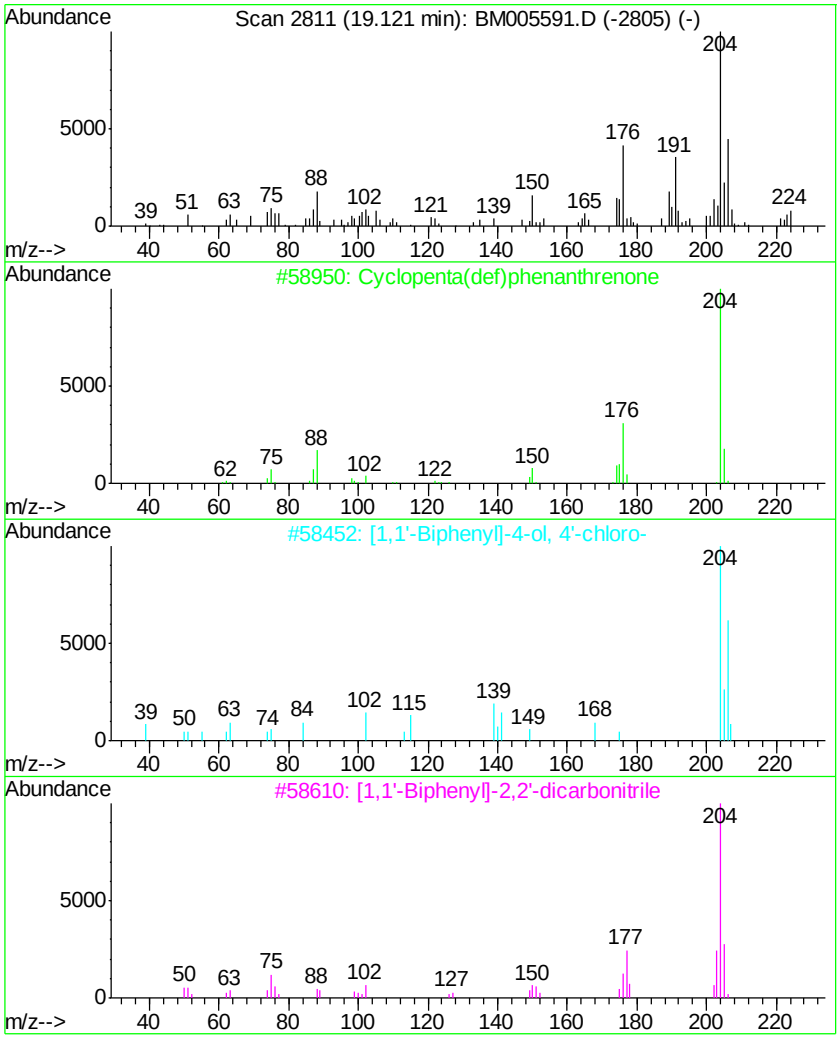
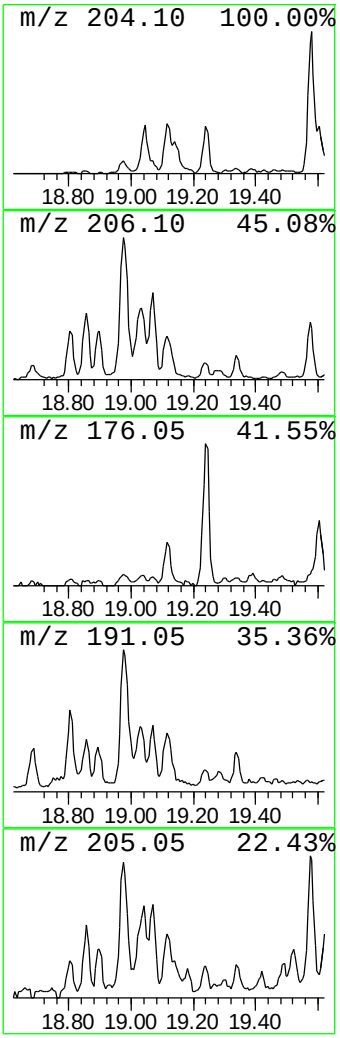
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.12	3.16 ng/ul	143589	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	78
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	41
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	38
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	38





Library Search Compound Report

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Sample : H3087-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK4

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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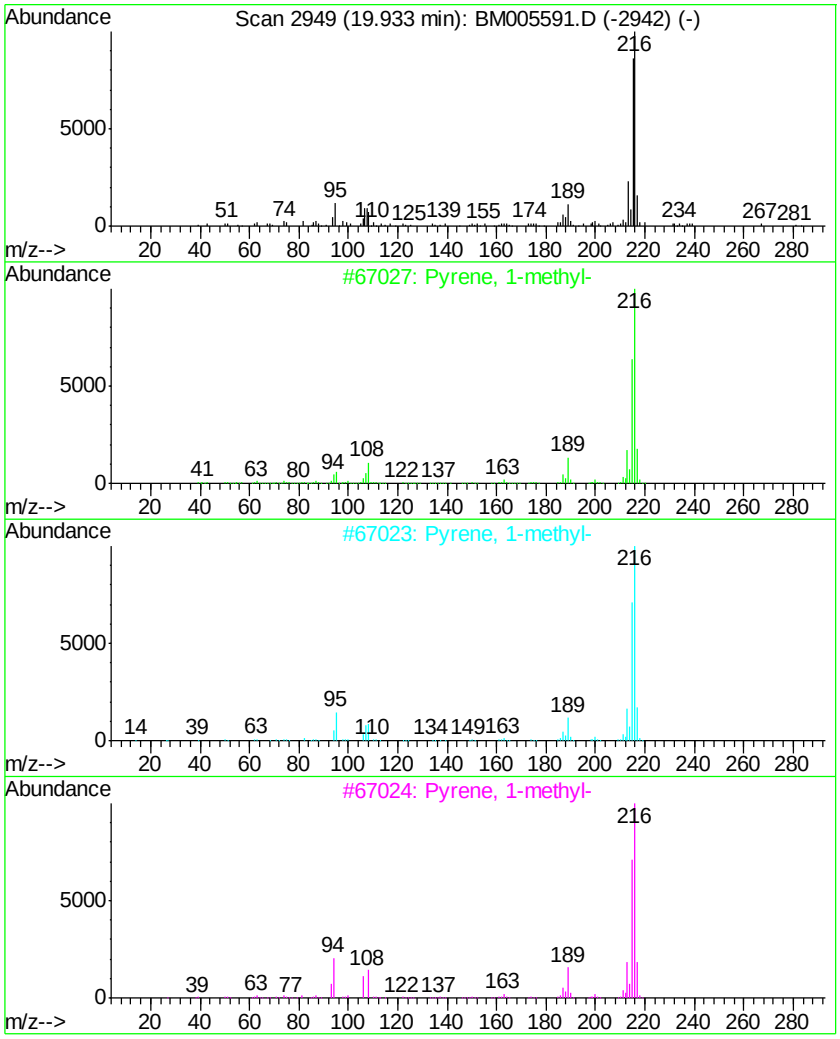
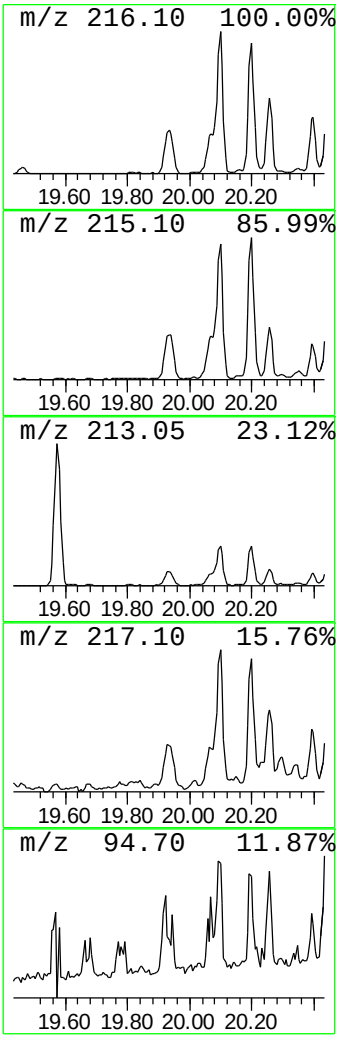
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.93	2.36 ng/ul	270261	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	93
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	92
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91





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Sample : H3087-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK4

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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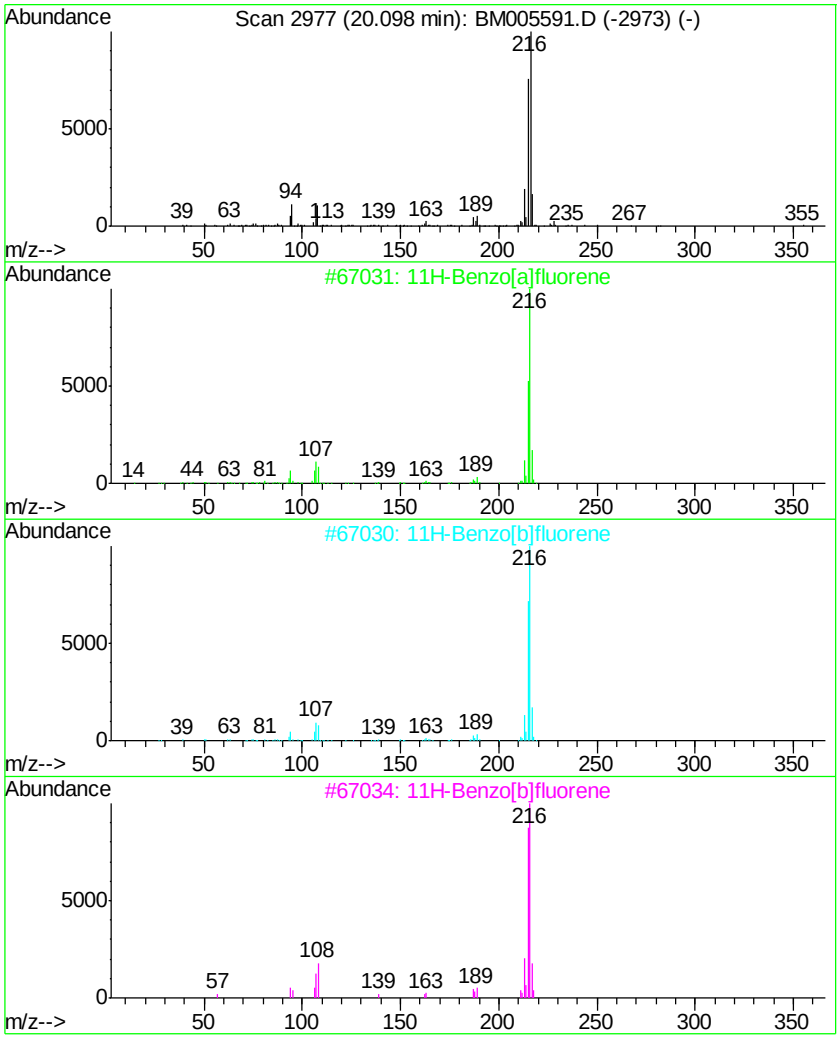
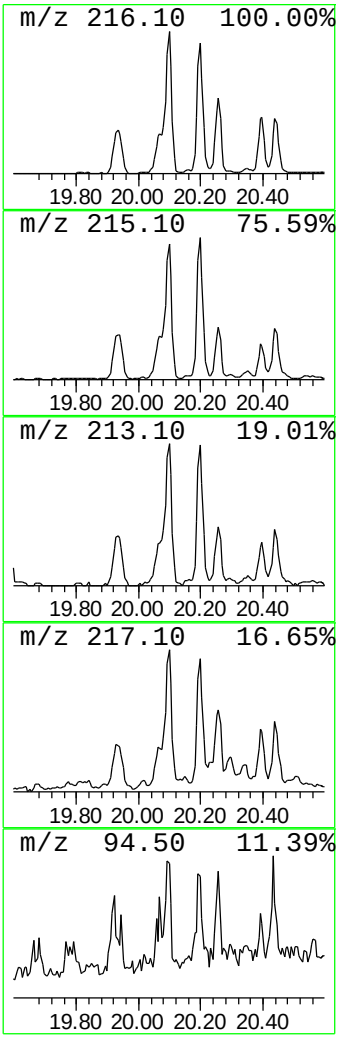
Peak Number 13 11H-Benzo[a]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	3.77 ng/ul	431253	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	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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Operator : UM/SJ
Sample : H3087-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK4

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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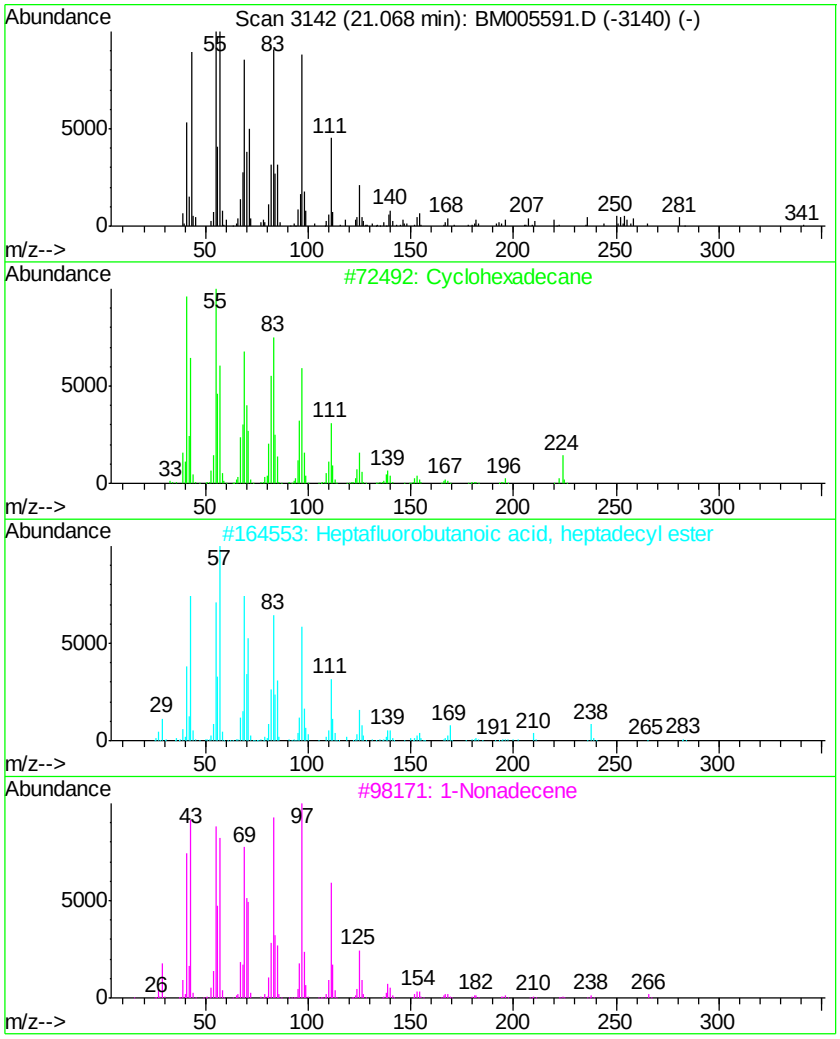
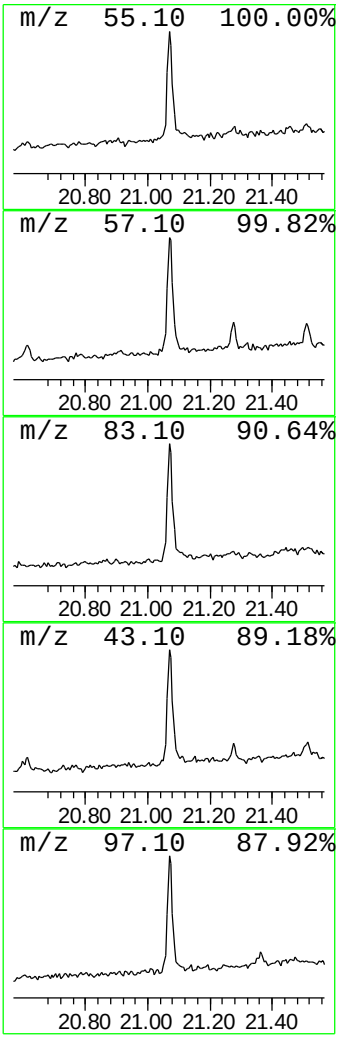
Peak Number 15 (DEL) Alkane: Cyclic-21.07 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.07	2.39 ng/ul	274084	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	78
2	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	76
3	1-Nonadecene	266	C19H38	018435-45-5	70
4	3-Octadecene, (E)-	252	C18H36	007206-19-1	70
5	1-Octadecanol	270	C18H38O	000112-92-5	60





Library Search Compound Report

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Operator : UM/SJ
Sample : H3087-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGK4

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

TIC Library : C:\DATABASE\NIST02.L
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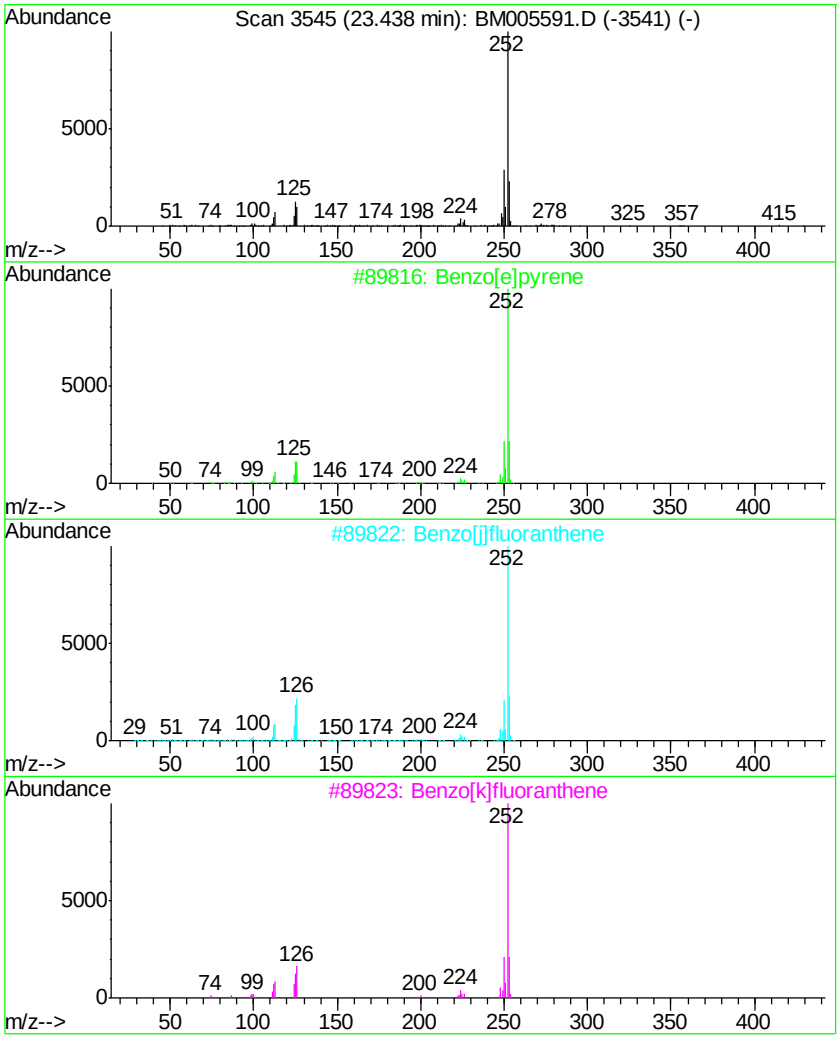
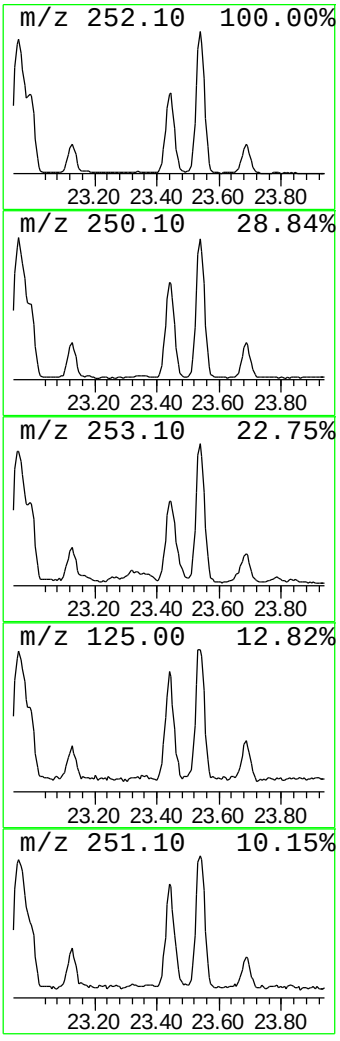
Peak Number 16 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.44	5.08 ng/ul	343314	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[j]fluoranthene	252	C20H12	000205-82-3	96
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
4	Perylene	252	C20H12	000198-55-0	95
5	Perylene	252	C20H12	000198-55-0	95





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Sample : H3087-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

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ClientSampleId : JHGK4

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Quant Title : SVOA CALIBRATION

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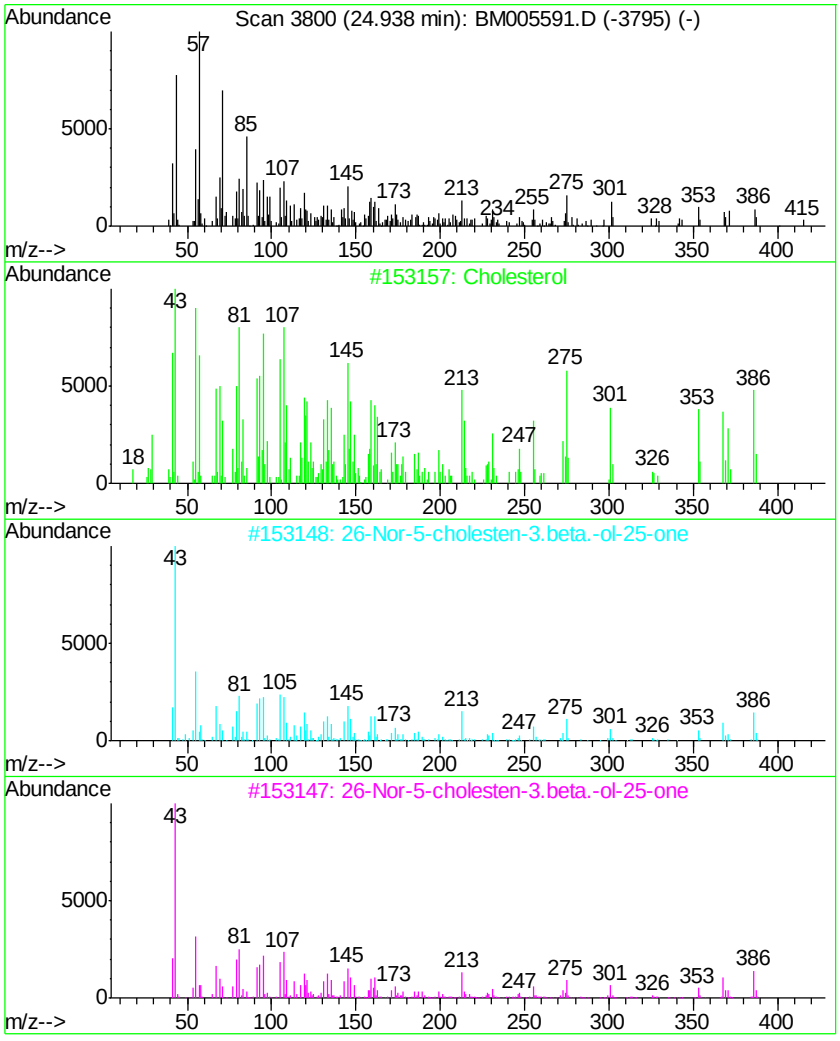
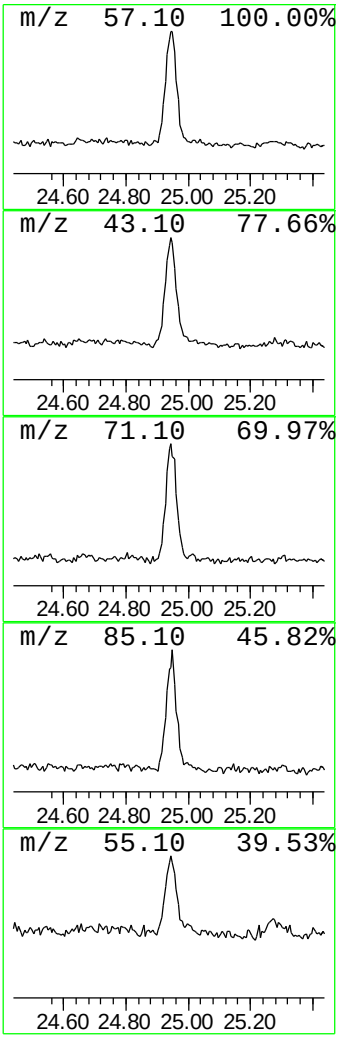
Peak Number 17 Cholesterol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.94	5.58 ng/ul	377426	Perylene-d12	23.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cholesterol	386	C27H46O	000057-88-5	97
2	26-Nor-5-cholesten-3.beta.-ol-25...	386	C26H42O2	007494-34-0	96
3	26-Nor-5-cholesten-3.beta.-ol-25...	386	C26H42O2	007494-34-0	95
4	Eicosane	282	C20H42	000112-95-8	93
5	Heptadecane	240	C17H36	000629-78-7	83





Tentatively Identified Compound (LSC) summary

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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...	16.16	2.2	ng/ul	97965	4	17.19	908226	20.0
Phenanthrene, 1-m...	18.06	5.8	ng/ul	264983	4	17.19	908226	20.0
Phenanthrene, 2-m...	18.10	6.5	ng/ul	294850	4	17.19	908226	20.0
Anthracene, 2-met...	18.19	2.4	ng/ul	110396	4	17.19	908226	20.0
4H-Cyclopenta[def...	18.25	10.6	ng/ul	482965	4	17.19	908226	20.0
6-Phenylbenzocycl...	18.56	5.7	ng/ul	260599	4	17.19	908226	20.0
9,10-Dimethylanth...	18.97	4.5	ng/ul	206177	4	17.19	908226	20.0
unknown-01	19.04	3.0	ng/ul	136121	4	17.19	908226	20.0
Cyclopenta(def)ph...	19.12	3.2	ng/ul	143589	4	17.19	908226	20.0
Pyrene, 1-methyl-	19.93	2.4	ng/ul	270261	5	21.36	2290750	20.0
11H-Benzo[a]fluorene	20.10	3.8	ng/ul	431253	5	21.36	2290750	20.0
(DEL) Alkane: Cyc...	21.07	2.4	ng/ul	274084	5	21.36	2290750	20.0
Benzo[e]pyrene	23.44	5.1	ng/ul	343314	6	23.64	1352230	20.0
Cholesterol	24.94	5.6	ng/ul	377426	6	23.64	1352230	20.0