LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007095.D
Acq On : 14 Aug 2016 07:24
Operator : UM/SJ
Sample : H4387-01
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS001-1218-02

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-BM081116.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	6.969	739	745	755	rBV	661386	1087807	13.47%	0.859%
2	7.145	766	775	784	rVB	542923	846680	10.49%	0.669%
3	7.340	800	808	817	rBV	654664	1073383	13.30%	0.848%
4	7.810	881	888	896	rVB	1121537	1794278	22.23%	1.417%
5	8.504	999	1006	1014	rBV2	850019	1375421	17.04%	1.086%
6	8.963	1077	1084	1092	rVB	773035	1276908	15.82%	1.008%
7	9.681	1198	1206	1213	rBV	675016	1143892	14.17%	0.903%
8	10.210	1287	1296	1305	rBV	1082134	1785789	22.12%	1.410%
9	10.592	1351	1361	1368	rBV	1459223	2510188	31.09%	1.982%
10	10.728	1377	1384	1402	rBV	707872	1298163	16.08%	1.025%
11	13.851	1905	1915	1919	rVV	2054877	3092780	38.31%	2.443%
12	13.898	1919	1923	1931	rVB	1674546	2367855	29.33%	1.870%
13	14.127	1956	1962	1982	rVB	2193248	3855638	47.76%	3.045%
14	14.439	2003	2015	2022	rBV2	2183701	3336344	41.33%	2.635%
15	14.627	2040	2047	2059	rBV	1044972	1615885	20.02%	1.276%
16	15.051	2111	2119	2124	rBV5	67197	162964	2.02%	0.129%
17	15.233	2141	2150	2158	rBV7	63555	216913	2.69%	0.171%
18	15.433	2174	2184	2189	rBV	3173161	4736452	58.67%	3.741%
19	15.545	2198	2203	2211	rVB	910321	1227239	15.20%	0.969%
20	16.157	2302	2307	2321	rBV2	198719	351051	4.35%	0.277%
21	16.492	2356	2364	2368	rBV7	76494	180385	2.23%	0.142%
22	16.998	2446	2450	2458	rVB	148970	245851	3.05%	0.194%
23	17.180	2472	2481	2485	rBV	2862144	4139806	51.28%	3.269%
24	17.221	2485	2488	2493	rVB	1031572	1325180	16.41%	1.047%
25	17.280	2493	2498	2503	rBV	3718731	5367807	66.49%	4.239%
26	17.368	2508	2513	2519	rBV2	85921	175825	2.18%	0.139%
27	17.568	2539	2547	2556	rBV2	908157	1348706	16.71%	1.065%
28	17.686	2564	2567	2573	rVB2	85895	163954	2.03%	0.129%
29	17.757	2575	2579	2589	rVB	216693	332877	4.12%	0.263%
30	17.904	2599	2604	2609	rBV	122388	188984	2.34%	0.149%
31	18.057	2625	2630	2632	rBV	613115	961395	11.91%	0.759%
32	18.080	2632	2634	2635	rVV	674086	666419	8.25%	0.526%
33	18.104	2635	2638	2644	rVV	829722	1158295	14.35%	0.915%
34	18.186	2647	2652	2656	rVV2	155598	256070	3.17%	0.202%

LSC Area Percent Report

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Acq On : 14 Aug 2016 07:24
Operator : UM/SJ
Sample : H4387-01
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS001-1218-02

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-BM081116.M
Title : SVOA CALIBRATION

35	18.245	2656	2662	2666	rVV2	720236	1344573	16.66%	1.062%
36	18.286	2666	2669	2675	rVB	506102	715235	8.86%	0.565%
37	18.374	2680	2684	2687	rBV2	131244	196216	2.43%	0.155%
38	18.451	2693	2697	2702	rVB2	154042	237184	2.94%	0.187%
39	18.557	2710	2715	2718	rVV2	308481	483776	5.99%	0.382%
40	18.592	2718	2721	2733	rVB3	283696	619823	7.68%	0.490%
41	18.774	2748	2752	2754	rBV2	145922	199087	2.47%	0.157%
42	18.804	2754	2757	2761	rVV	266243	355080	4.40%	0.280%
43	18.851	2761	2765	2769	rVV	402845	562496	6.97%	0.444%
44	18.892	2769	2772	2776	rVB2	329183	420769	5.21%	0.332%
45	18.939	2776	2780	2782	rBV3	243768	318185	3.94%	0.251%
46	18.974	2782	2786	2790	rVV	937652	1412137	17.49%	1.115%
47	19.027	2790	2795	2799	rVV4	408566	807085	10.00%	0.637%
48	19.068	2799	2802	2805	rVB	301998	366736	4.54%	0.290%
49	19.109	2805	2809	2816	rBV2	399886	812263	10.06%	0.641%
50	19.239	2823	2831	2837	rVB	2233709	2996750	37.12%	2.367%
51	19.304	2837	2842	2845	rBV	221024	323546	4.01%	0.256%
52	19.356	2845	2851	2853	rVV3	207303	417406	5.17%	0.330%
53	19.386	2854	2856	2860	rVV2	220732	249110	3.09%	0.197%
54	19.433	2861	2864	2867	rVV	134866	174552	2.16%	0.138%
55	19.480	2869	2872	2875	rVV2	192836	263661	3.27%	0.208%
56	19.515	2875	2878	2882	rVB3	165539	215354	2.67%	0.170%
57	19.574	2882	2888	2891	rBV	5313545	8073046	100.00%	6.376%
58	19.604	2891	2893	2901	rVB	2802795	3386598	41.95%	2.675%
59	19.680	2901	2906	2911	rVB2	509149	823482	10.20%	0.650%
60	19.839	2929	2933	2939	rVB3	262631	441848	5.47%	0.349%
61	19.921	2942	2947	2959	rBV6	457716	1274791	15.79%	1.007%
62	20.009	2959	2962	2966	rVV3	150759	221204	2.74%	0.175%
63	20.062	2966	2971	2973	rVV3	377114	668055	8.28%	0.528%
64	20.092	2973	2976	2980	rVB	600115	844448	10.46%	0.667%
65	20.198	2990	2994	2997	rVV	236115	324311	4.02%	0.256%
66	20.256	2999	3004	3008	rVB	739867	1005351	12.45%	0.794%
67	20.392	3023	3027	3031	rBV	644842	828357	10.26%	0.654%
68	20.439	3031	3035	3039	rVV	597305	774032	9.59%	0.611%
69	20.474	3039	3041	3050	rVB2	185337	294454	3.65%	0.233%
70	20.556	3051	3055	3060	rBV3	176696	262209	3.25%	0.207%
71	20.686	3074	3077	3080	rVV4	129716	190717	2.36%	0.151%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H4387-01
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS001-1218-02

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-BM081116.M
Title : SVOA CALIBRATION

72	20.839	3100	3103	3110	rVB	488631	756713	9.37%	0.598%
73	20.933	3115	3119	3123	rVB	231721	293839	3.64%	0.232%
74	20.986	3124	3128	3129	rBV2	319885	386672	4.79%	0.305%
75	21.009	3130	3132	3136	rVV2	462557	598774	7.42%	0.473%
76	21.045	3136	3138	3141	rVV	270220	324716	4.02%	0.256%
77	21.080	3141	3144	3149	rVV3	719791	1074566	13.31%	0.849%
78	21.139	3150	3154	3160	rVB3	294445	570821	7.07%	0.451%
79	21.362	3185	3192	3196	rBV2	4525768	8015061	99.28%	6.330%
80	21.398	3196	3198	3207	rVB	1685928	1952858	24.19%	1.542%
81	21.480	3208	3212	3215	rVB2	230963	300854	3.73%	0.238%
82	21.521	3215	3219	3223	rBV3	195361	330642	4.10%	0.261%
83	21.568	3224	3227	3230	rBV	166862	272718	3.38%	0.215%
84	21.721	3251	3253	3258	rVB	155235	190397	2.36%	0.150%
85	21.862	3274	3277	3279	rBV	155654	183244	2.27%	0.145%
86	21.921	3280	3287	3291	rVV	609219	1091519	13.52%	0.862%
87	21.968	3291	3295	3300	rVV	482461	716009	8.87%	0.565%
88	22.115	3317	3320	3323	rBV	331625	395475	4.90%	0.312%
89	22.433	3370	3374	3385	rVB6	314957	750352	9.29%	0.593%
90	22.527	3387	3390	3392	rVV2	140956	198301	2.46%	0.157%
91	22.568	3393	3397	3406	rVB2	405481	813904	10.08%	0.643%
92	22.950	3456	3462	3467	rBV2	1222449	2719229	33.68%	2.147%
93	23.127	3488	3492	3498	rVB	246052	402801	4.99%	0.318%
94	23.439	3540	3545	3548	rBV	724814	1268139	15.71%	1.002%
95	23.491	3548	3554	3559	rVV2	3764530	7481009	92.67%	5.908%
96	23.533	3559	3561	3569	rVB	1289383	2056433	25.47%	1.624%
97	23.639	3571	3579	3585	rBV	2759454	5467325	67.72%	4.318%
98	24.191	3668	3673	3681	rVB2	428945	854020	10.58%	0.674%
99	25.927	3962	3968	3977	rVB2	526293	1400584	17.35%	1.106%
100	26.627	4081	4087	4098	rVB2	419684	1185061	14.68%	0.936%

Sum of corrected areas: 126623147

LSC Report - Integrated Chromatogram

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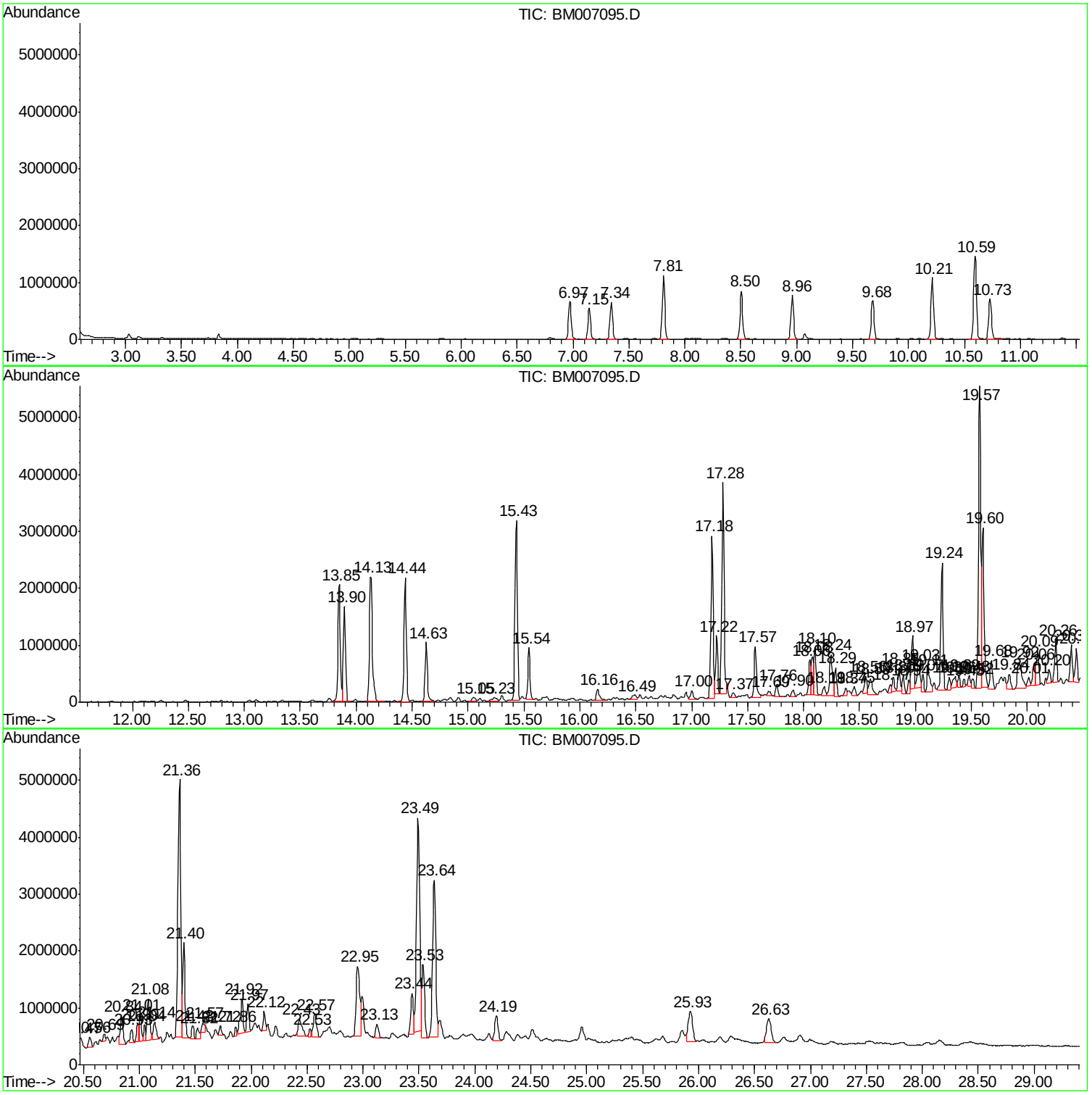
Data File : BM007095.D
Acq On : 14 Aug 2016 07:24
Operator : UM/SJ
Sample : H4387-01
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P003-SS001-1218-02

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007095.D
Acq On : 14 Aug 2016 07:24
Operator : UM/SJ
Sample : H4387-01
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Instrument :
BNA_M
ClientSampleId :
P003-SS001-1218-02

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

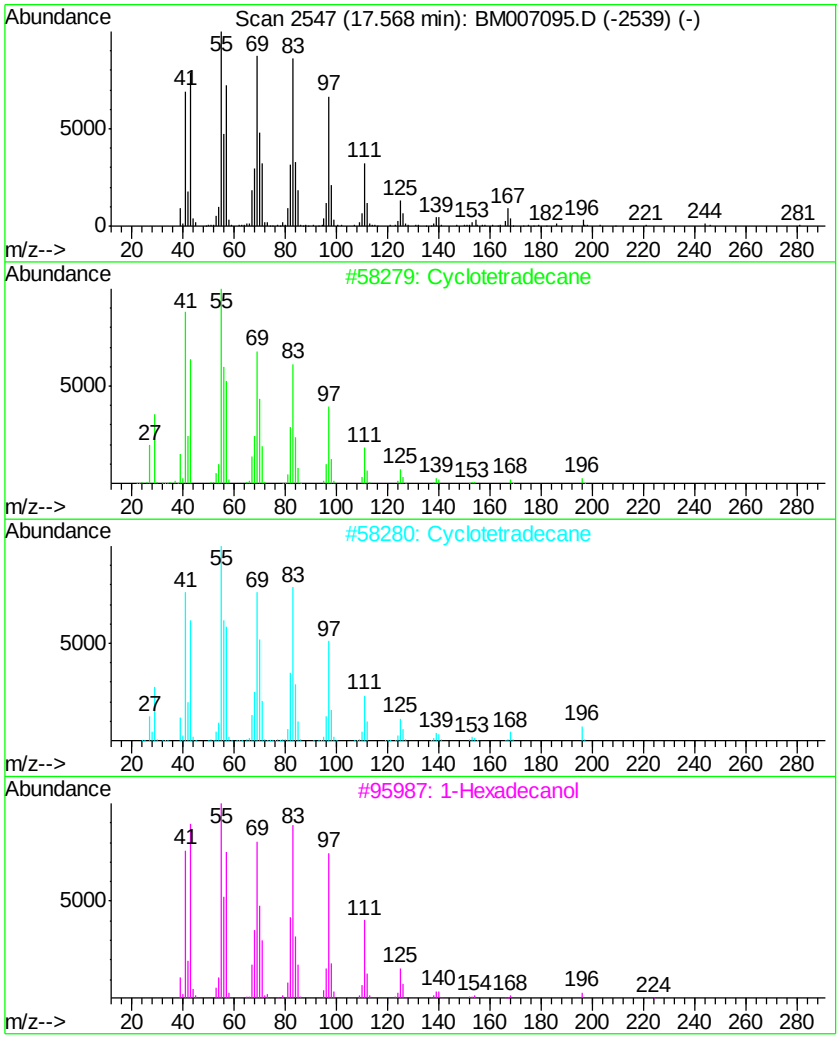
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

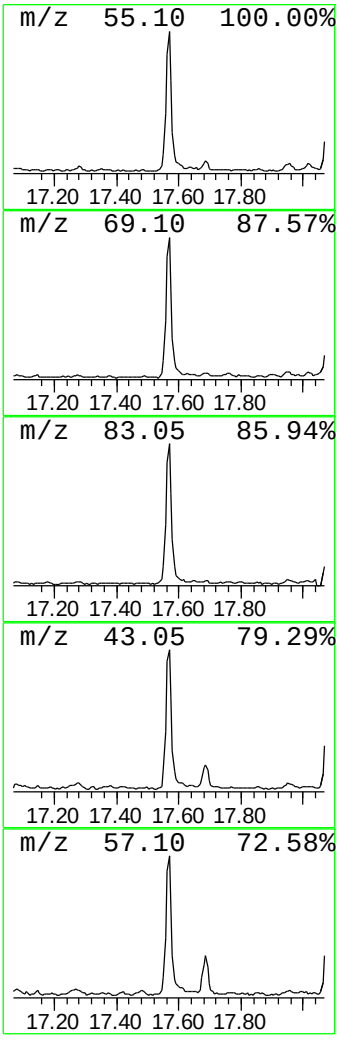
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.57	6.52 ng/ul	1348710	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetradecane	196	C14H28	000295-17-0	98
2	Cyclotetradecane	196	C14H28	000295-17-0	97
3	1-Hexadecanol	242	C16H34O	036653-82-4	95
4	2-Tetradecene, (E)-	196	C14H28	035953-54-9	95
5	1-Tetradecene	196	C14H28	001120-36-1	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007095.D
Acq On : 14 Aug 2016 07:24
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ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS001-1218-02

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

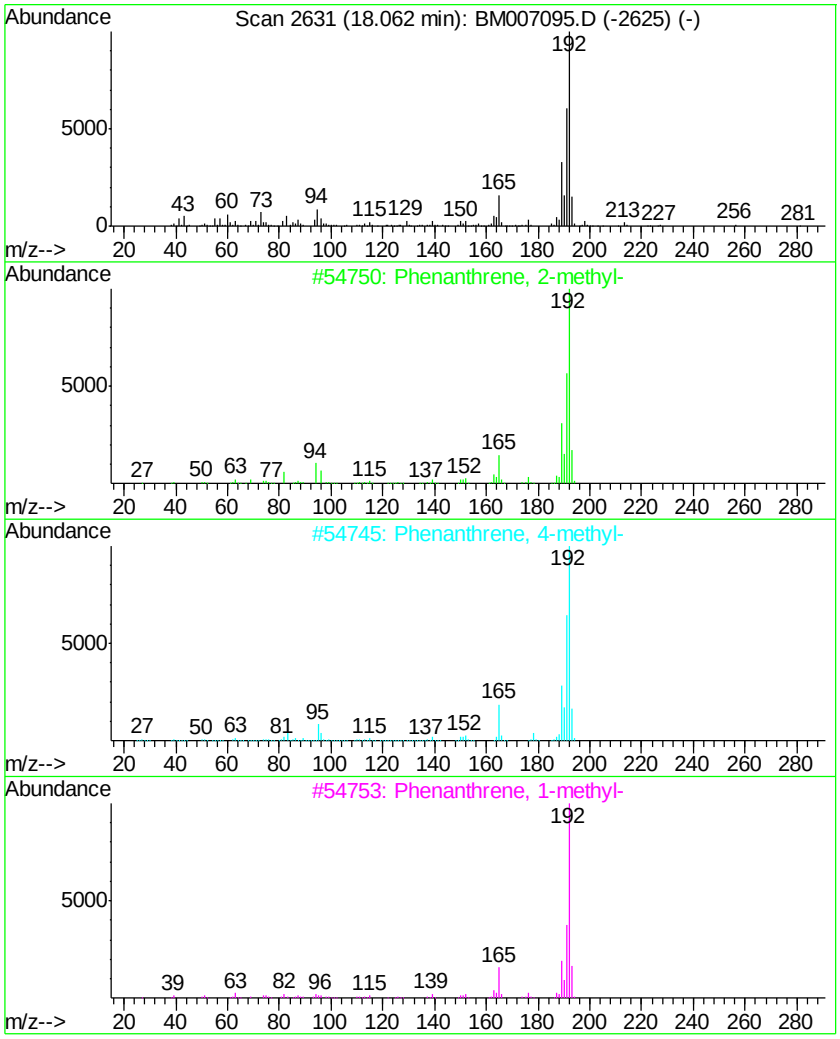
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

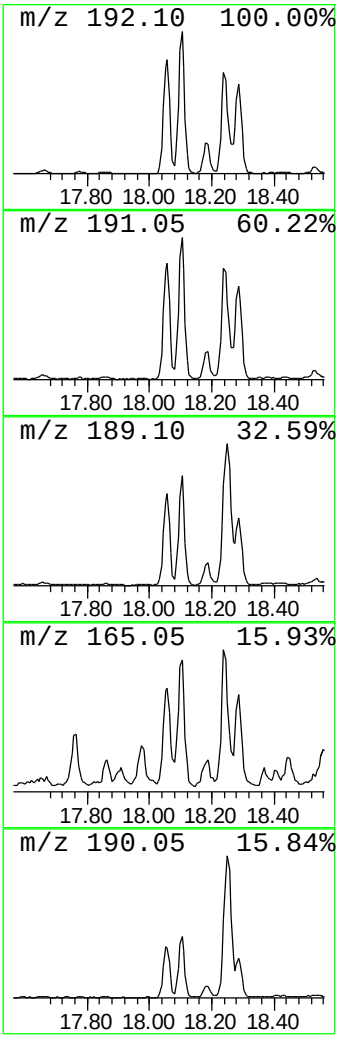
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	4.64 ng/ul	961395	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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ClientSampleId : P003-SS001-1218-02

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Quant Title : SVOA CALIBRATION

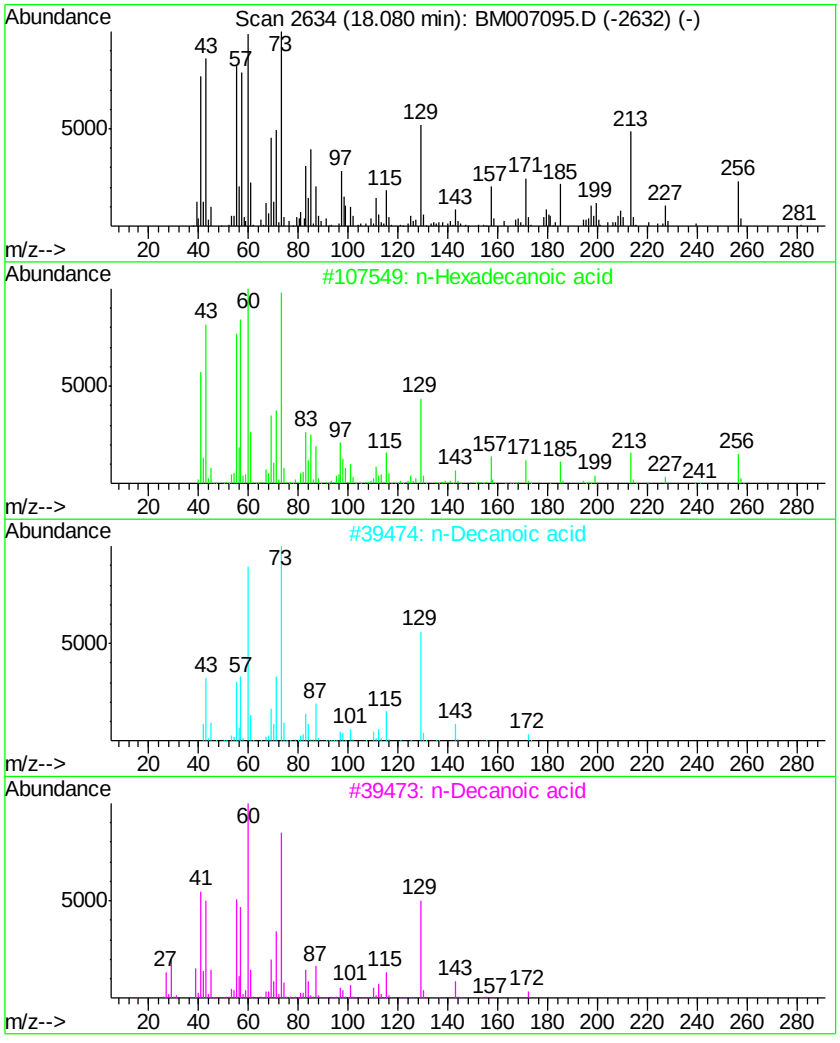
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

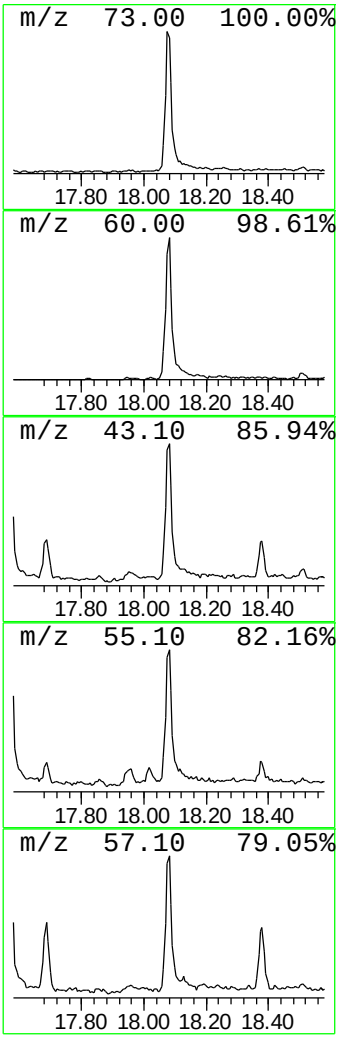
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	3.22 ng/ul	666419	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	n-Decanoic acid	172	C10H20O2	000334-48-5	60
3	n-Decanoic acid	172	C10H20O2	000334-48-5	60
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	49
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	49





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
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Acq On : 14 Aug 2016 07:24
Operator : UM/SJ
Sample : H4387-01
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS001-1218-02

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

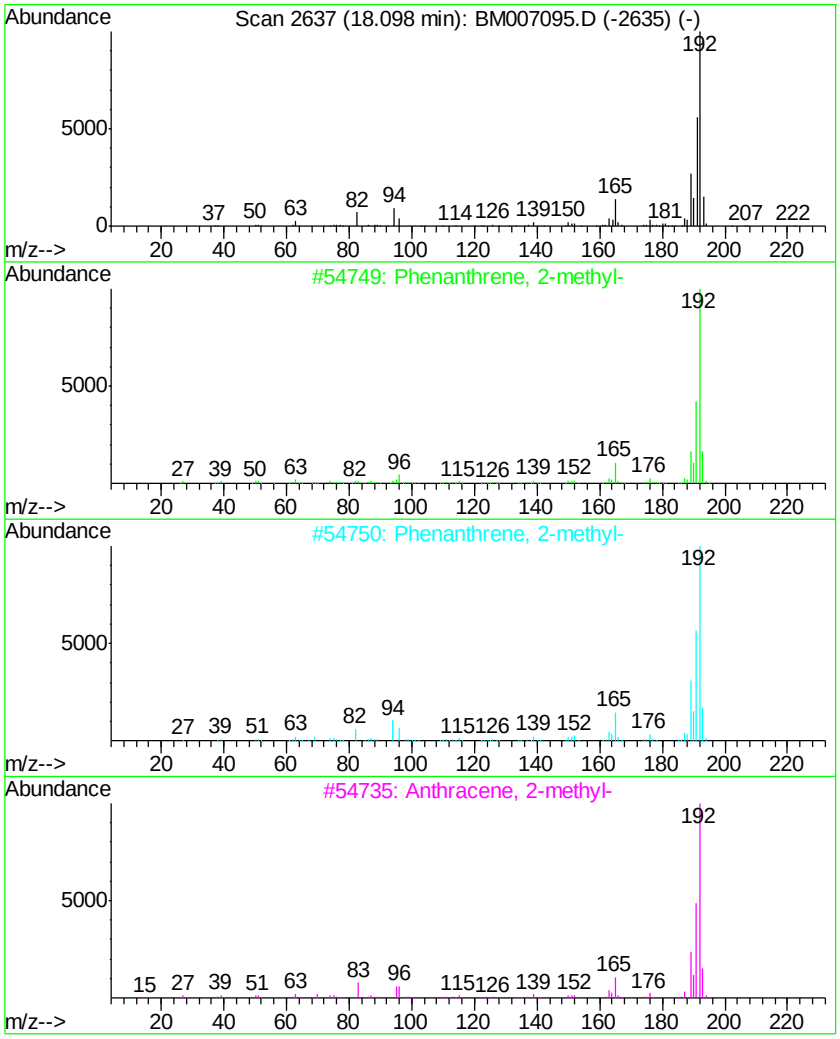
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

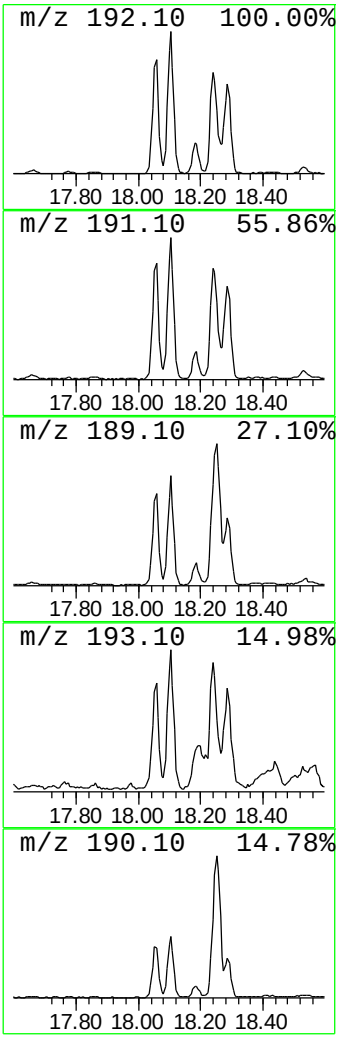
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	5.60 ng/ul	1158300	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007095.D
Acq On : 14 Aug 2016 07:24
Operator : UM/SJ
Sample : H4387-01
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS001-1218-02

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

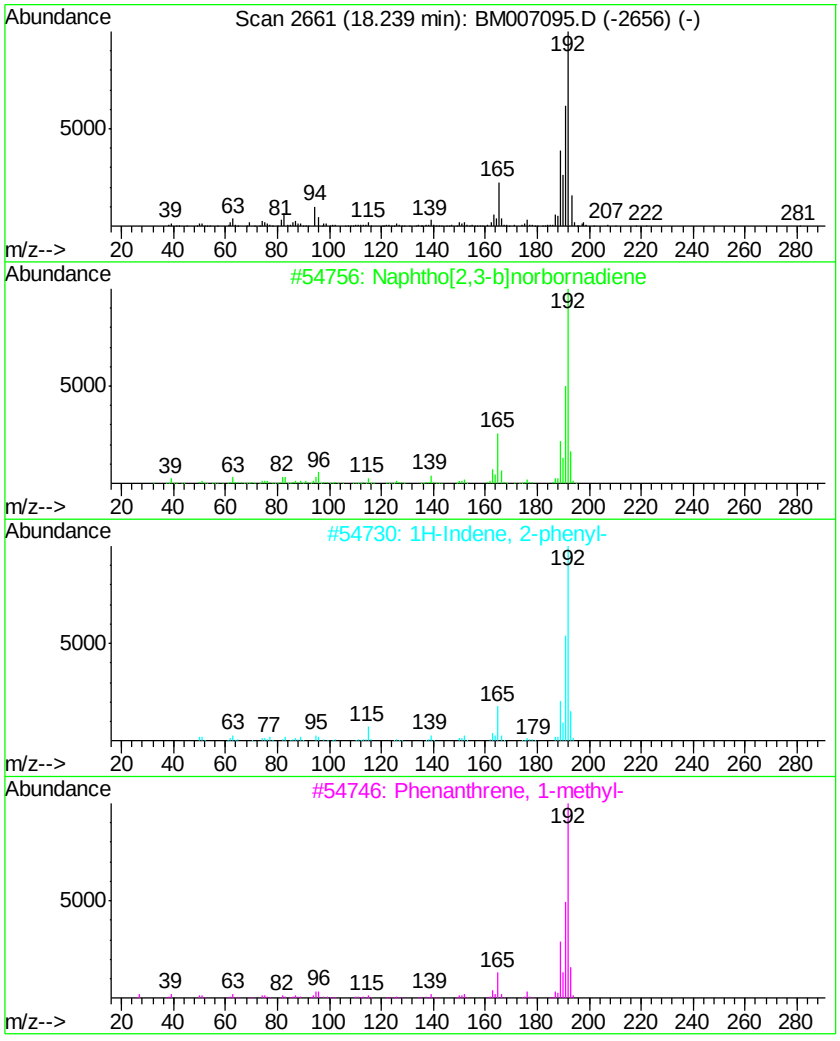
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

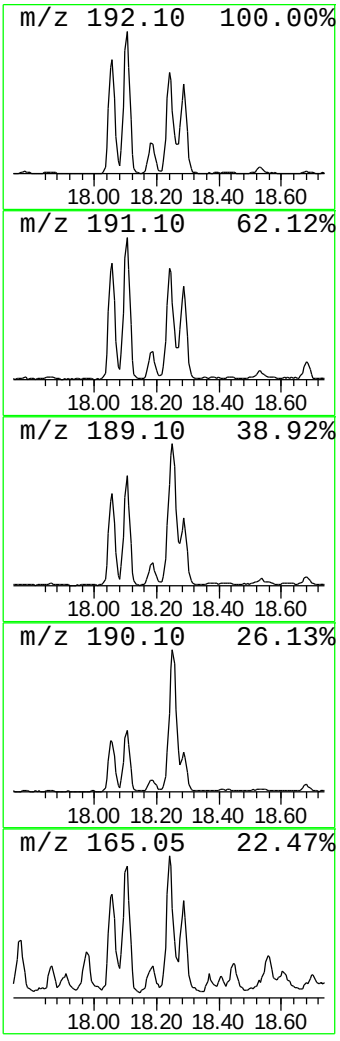
****

Peak Number 5 Naphtho[2,3-b]norbornadiene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	6.50 ng/ul	1344570	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	64
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	60
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	60





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Acq On : 14 Aug 2016 07:24
Operator : UM/SJ
Sample : H4387-01
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS001-1218-02

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Quant Title : SVOA CALIBRATION

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

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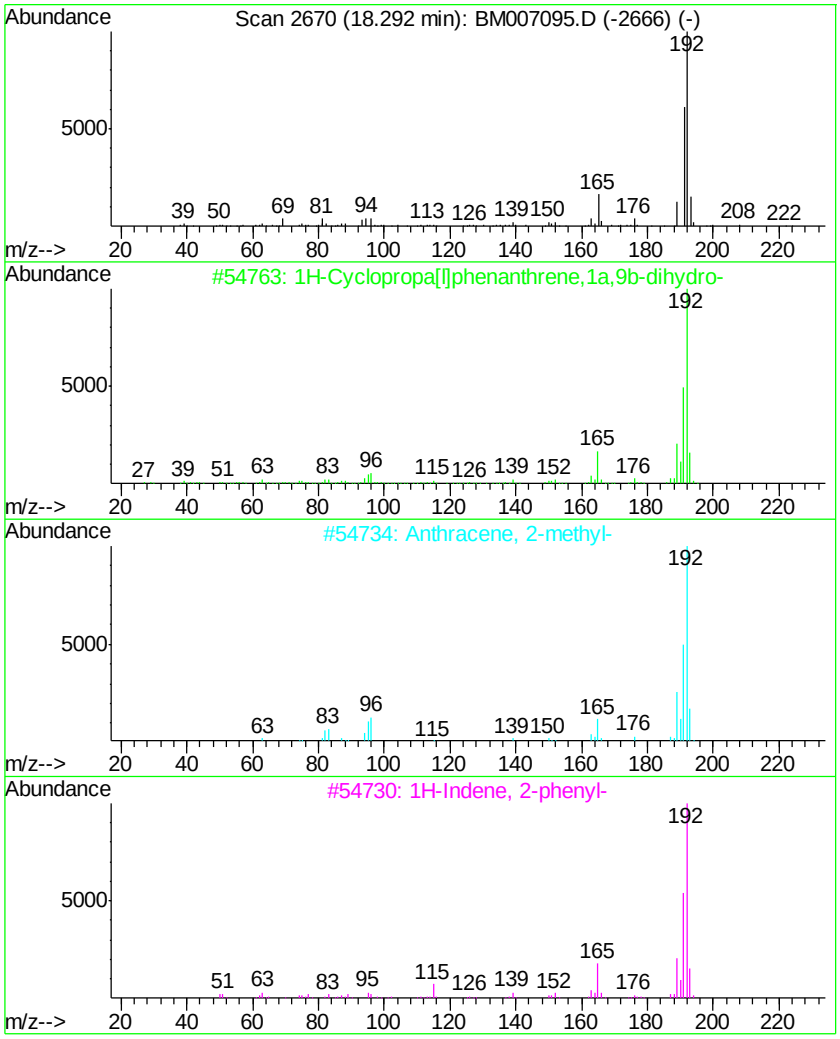
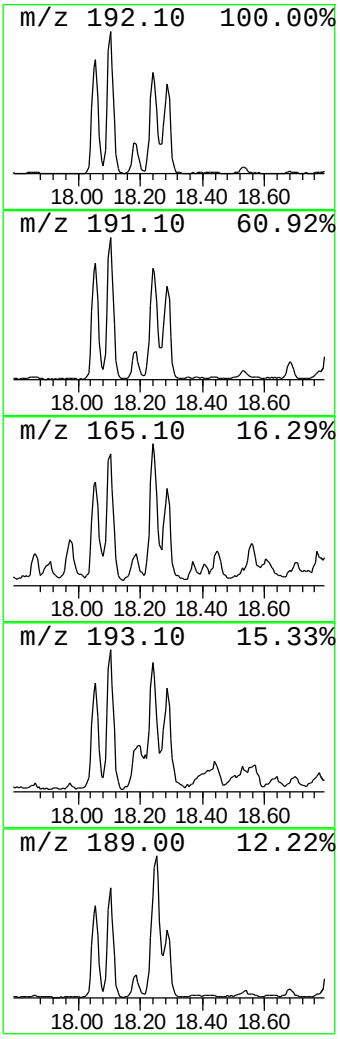
Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	3.46 ng/ul	715235	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	91





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Sample : H4387-01
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ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS001-1218-02

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Quant Title : SVOA CALIBRATION

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

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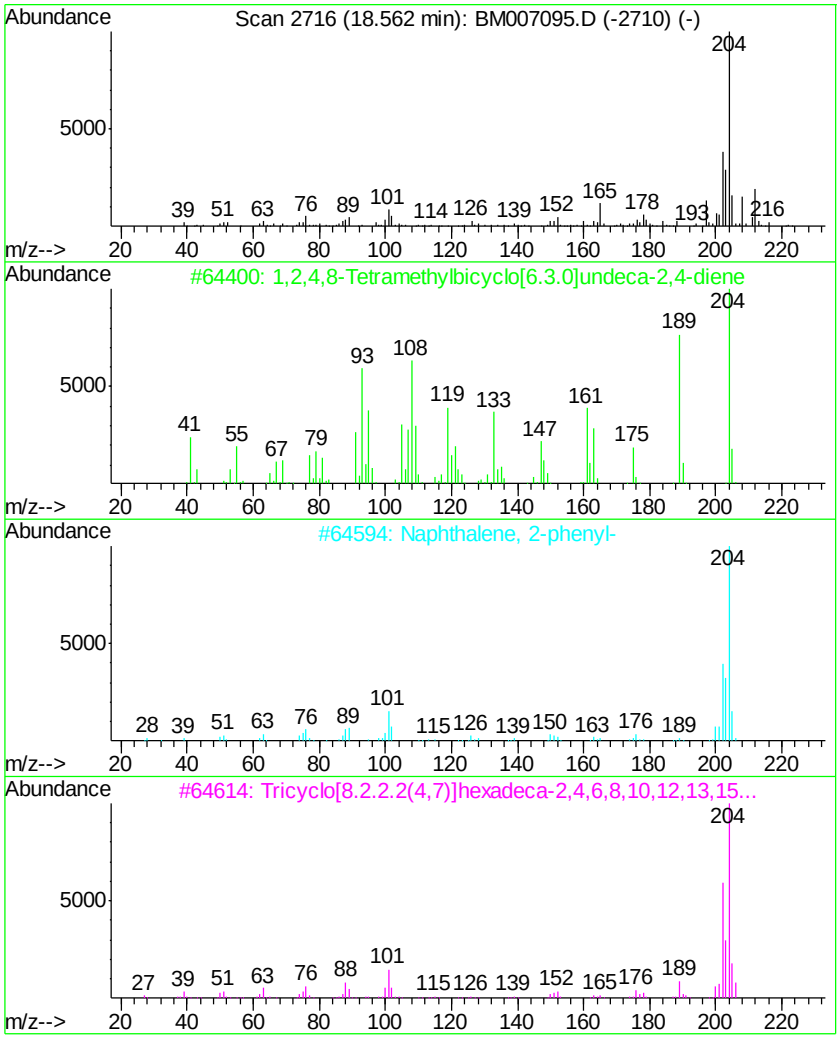
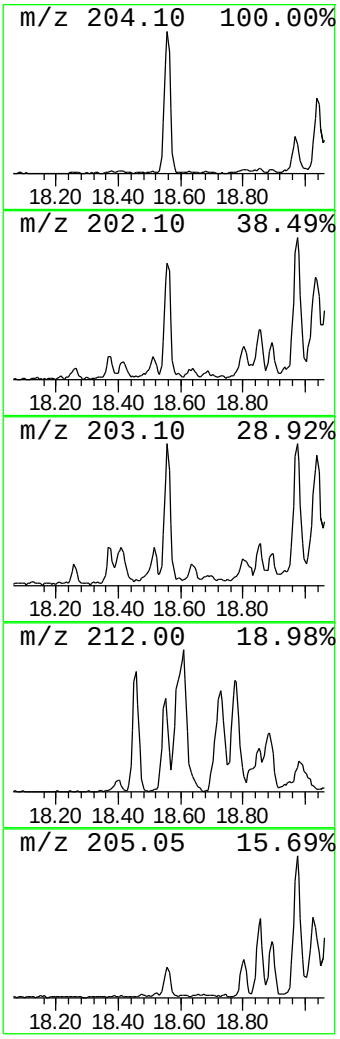
Peak Number 7 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	2.34 ng/ul	483776	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	80
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	60
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	53
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	53





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Sample : H4387-01
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ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS001-1218-02

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Quant Title : SVOA CALIBRATION

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

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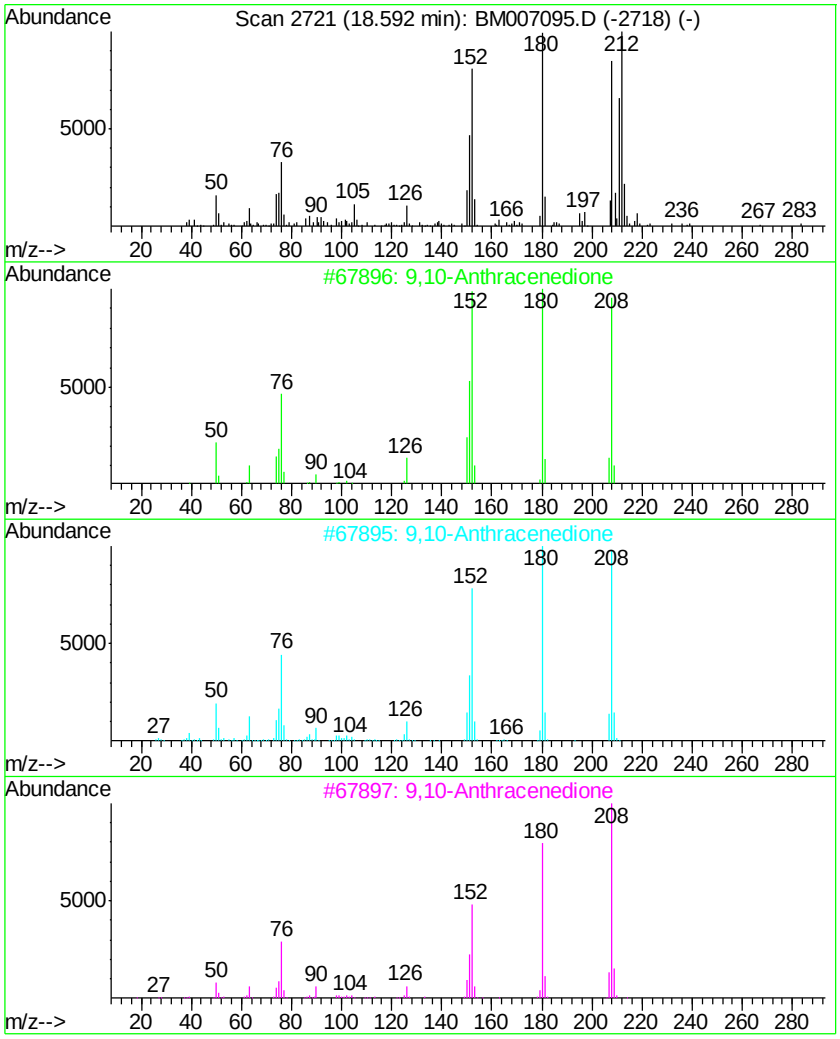
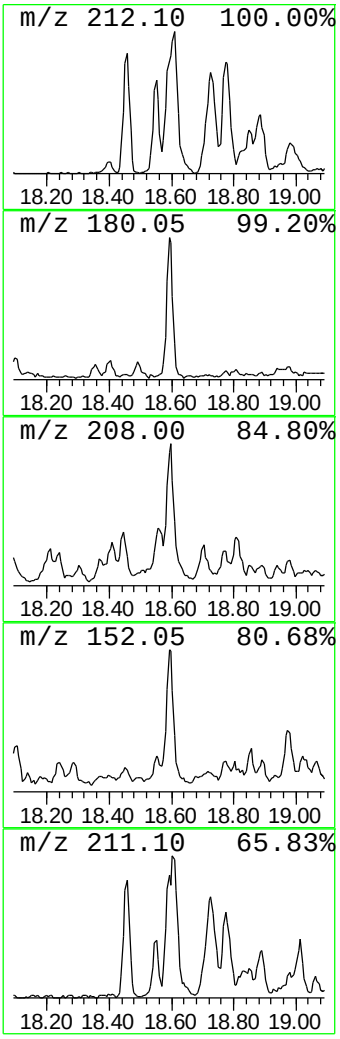
Peak Number 8 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	2.99 ng/ul	619823	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	46
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	46





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Instrument : BNA_M
ClientSampleId : P003-SS001-1218-02

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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

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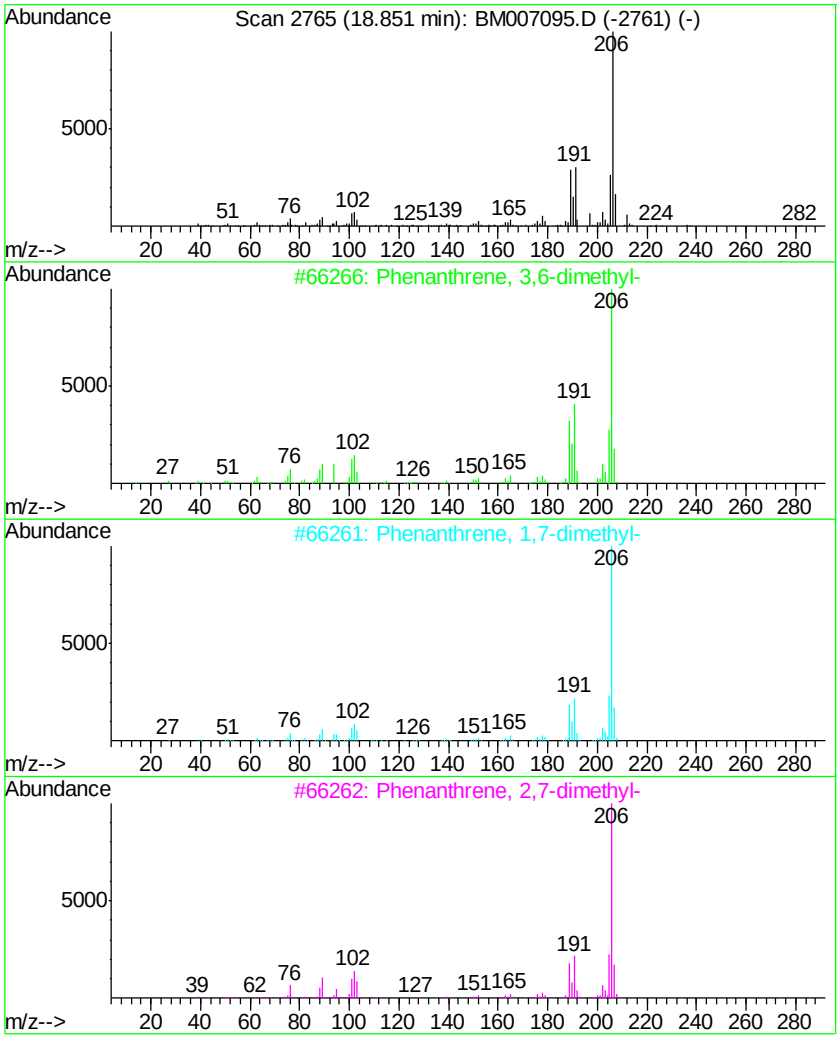
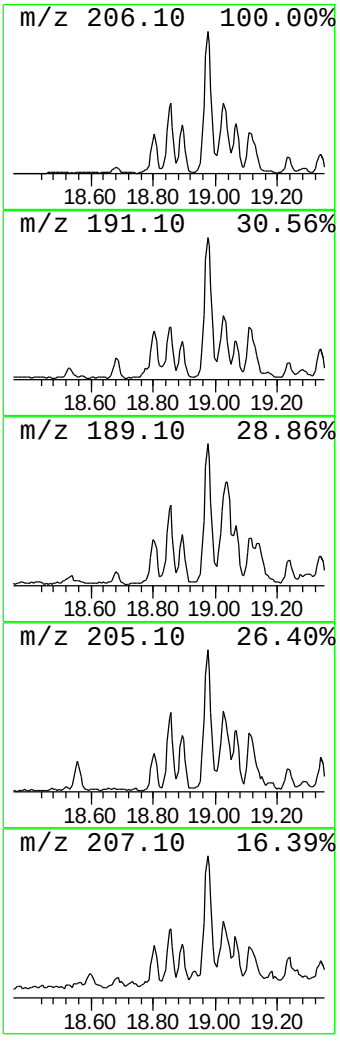
Peak Number 9 Phenanthrene, 3,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	2.72 ng/ul	562496	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	86





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Operator : UM/SJ
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Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS001-1218-02

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Quant Title : SVOA CALIBRATION

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

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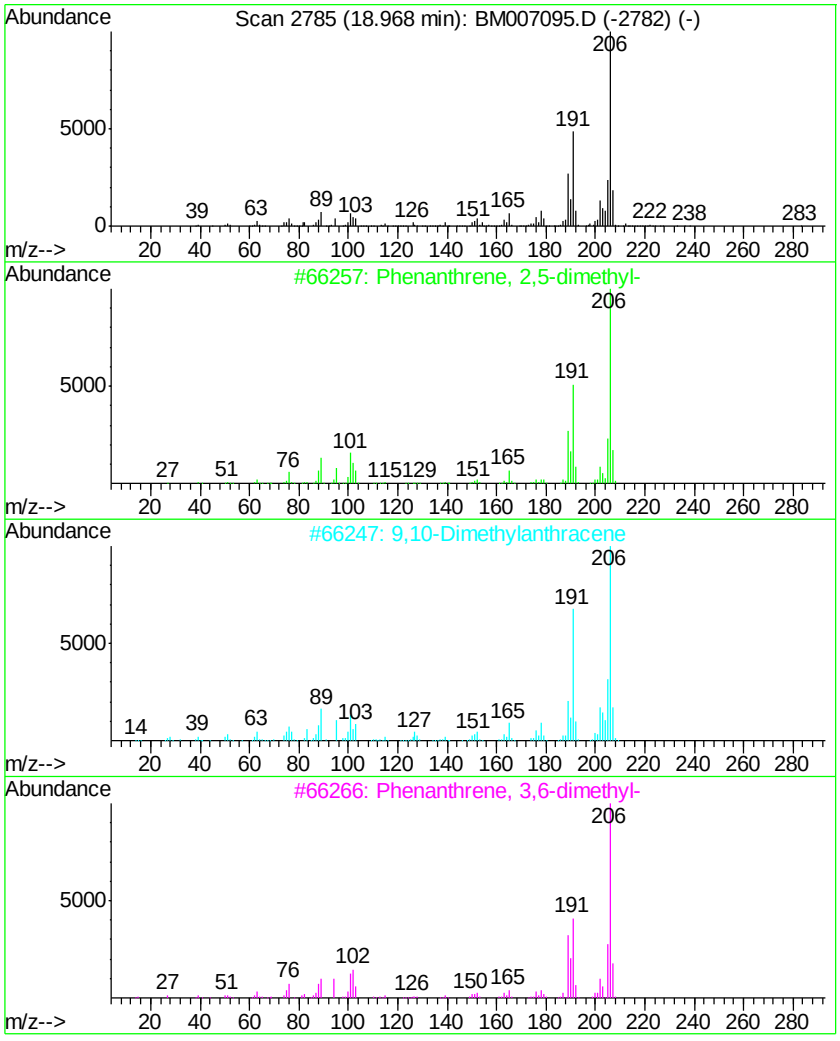
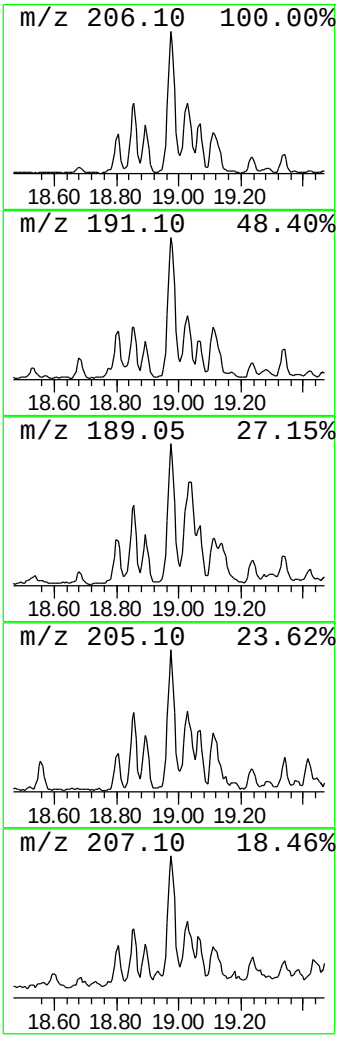
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	6.82 ng/ul	1412140	Phenanthrene-d10	17.18

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	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





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ClientSampleId : P003-SS001-1218-02

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Quant Title : SVOA CALIBRATION

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

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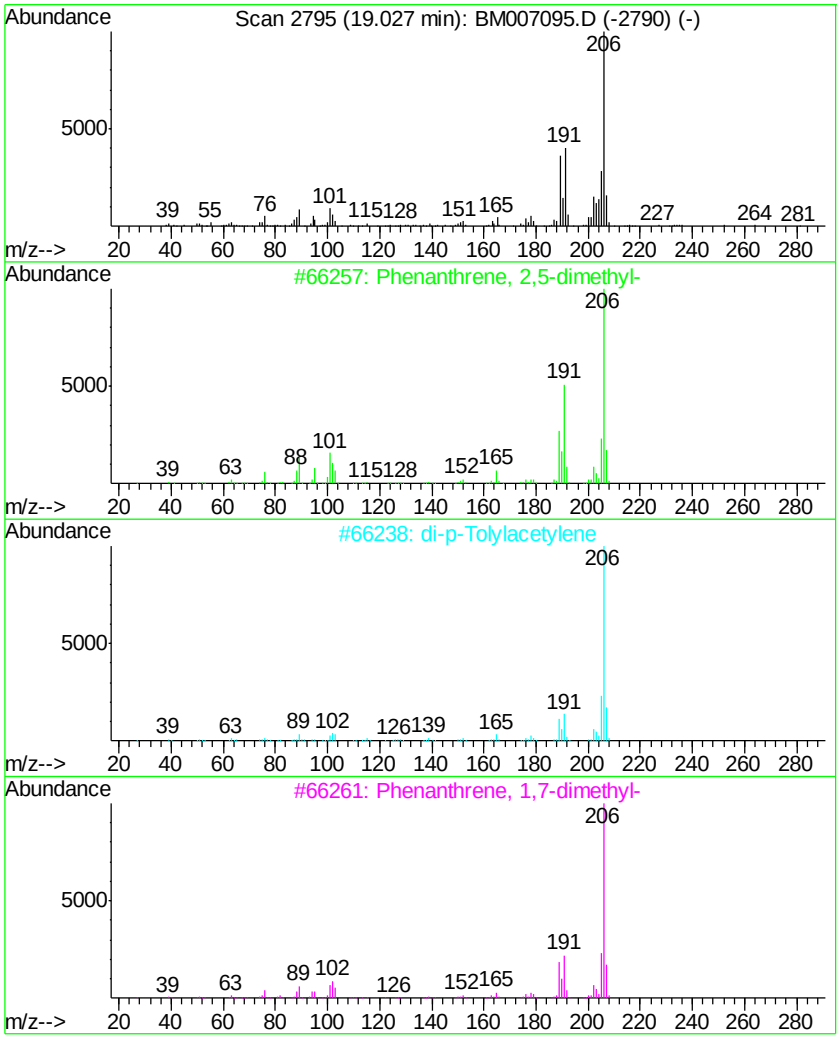
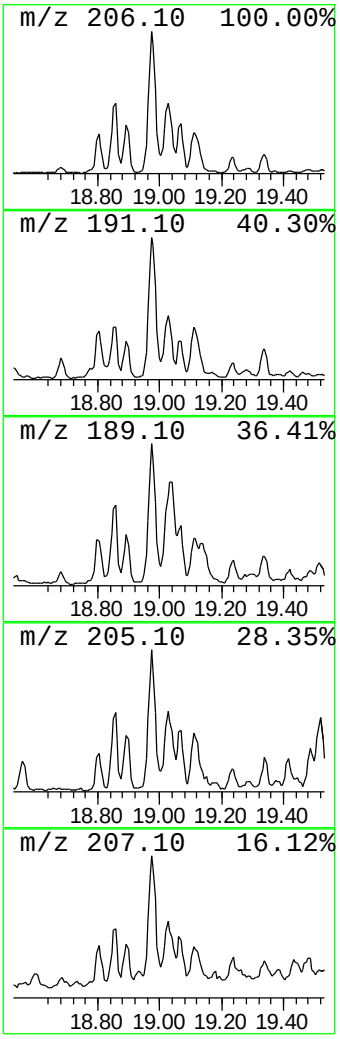
Peak Number 12 di-p-Tolylacetylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.03	3.90 ng/ul	807085	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90





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Sample : H4387-01
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS001-1218-02

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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

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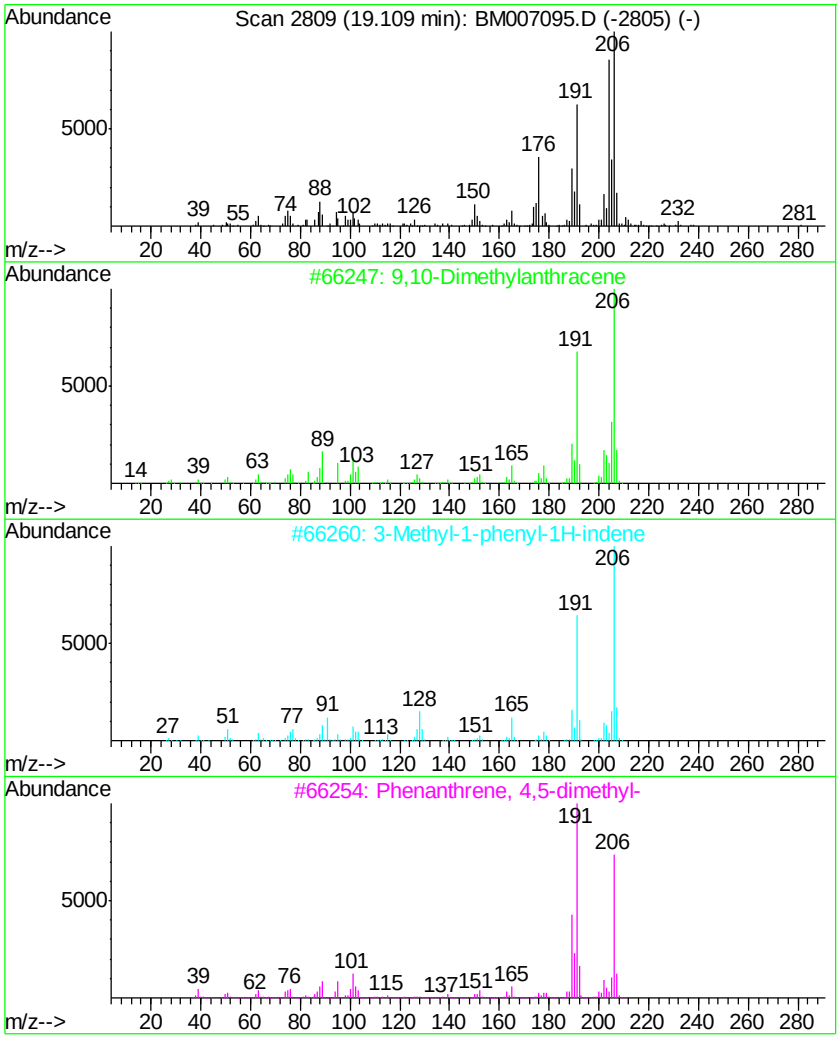
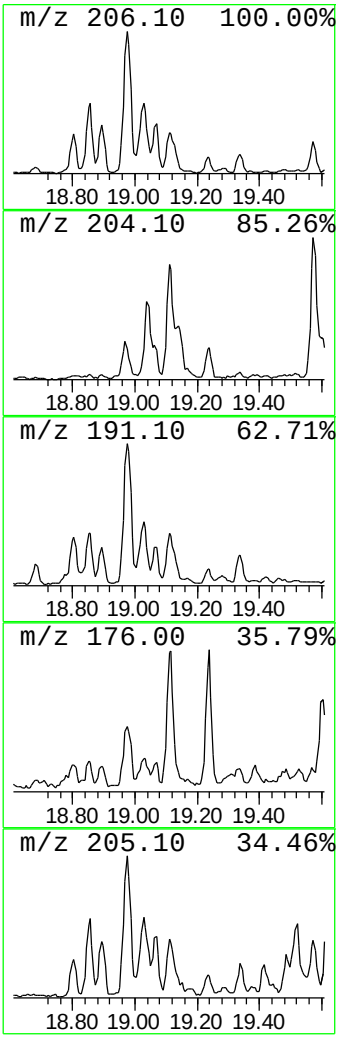
Peak Number 13 9,10-Dimethylanthracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.11	3.92 ng/ul	812263	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
2	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	87
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	78
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	70
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	70





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ClientSampleId : P003-SS001-1218-02

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Quant Title : SVOA CALIBRATION

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

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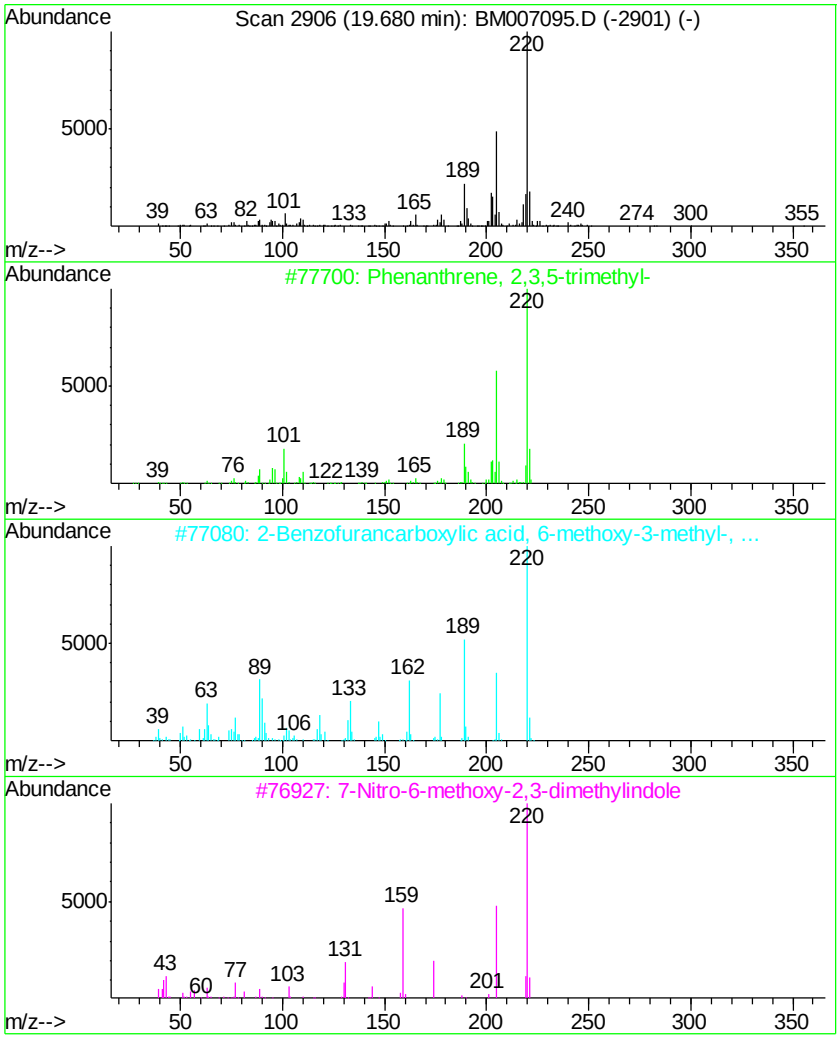
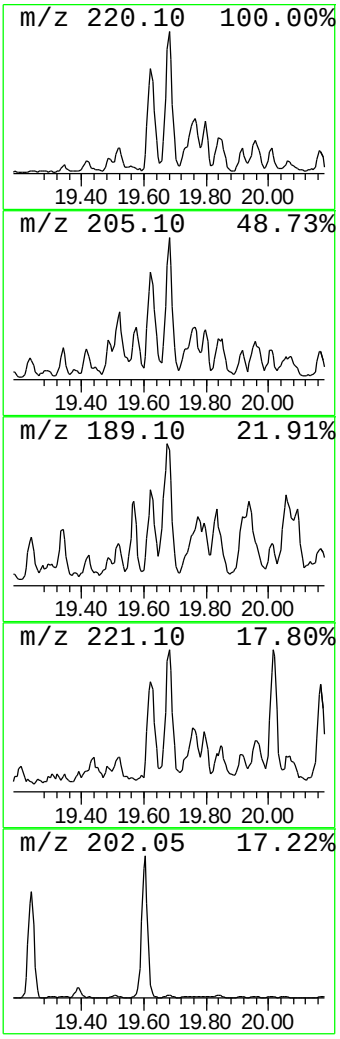
Peak Number 14 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.68	2.05 ng/ul	823482	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	87
2	2-Benzofurancarboxylic acid, 6-m...	220	C12H12O4	1000349-99-8	58
3	7-Nitro-6-methoxy-2,3-dimethylin...	220	C11H12N2O3	068289-71-4	52
4	1,4-Dimethoxy-6,7,8,9-tetrahydro...	220	C13H16O3	079381-09-2	50
5	Cyclopropanecarboxylic acid, 1-(...	360	C23H36O3	108546-71-0	50





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Quant Title : SVOA CALIBRATION

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

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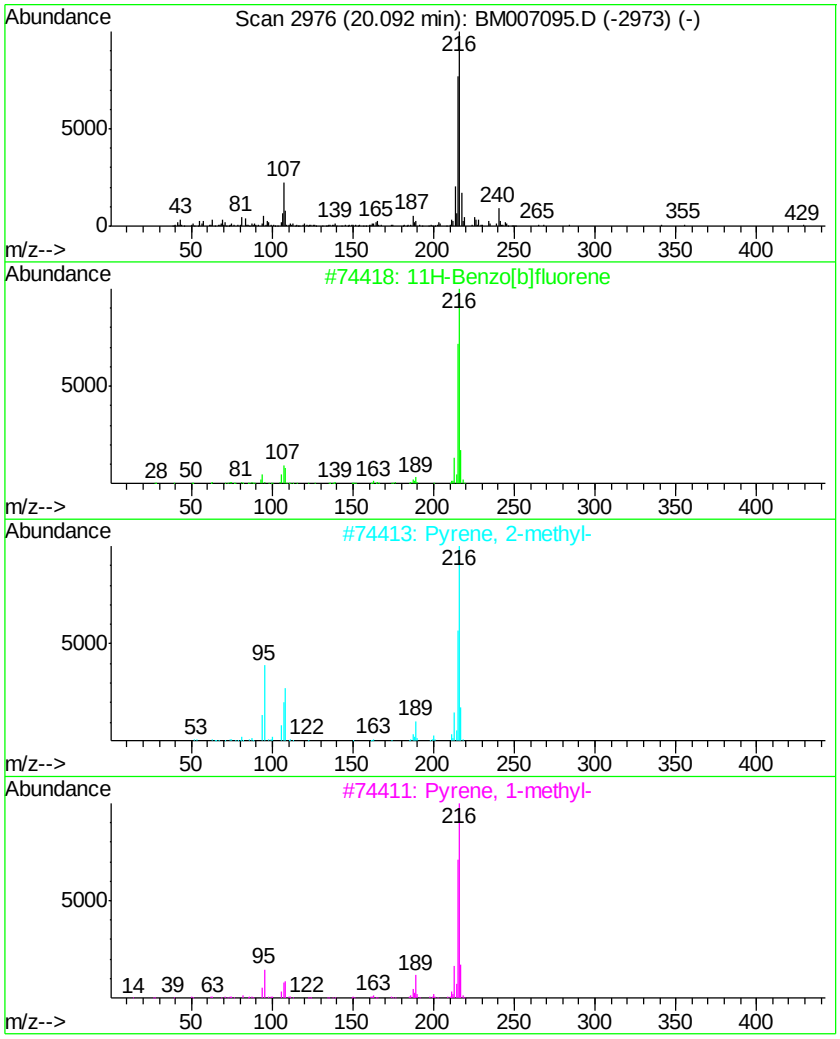
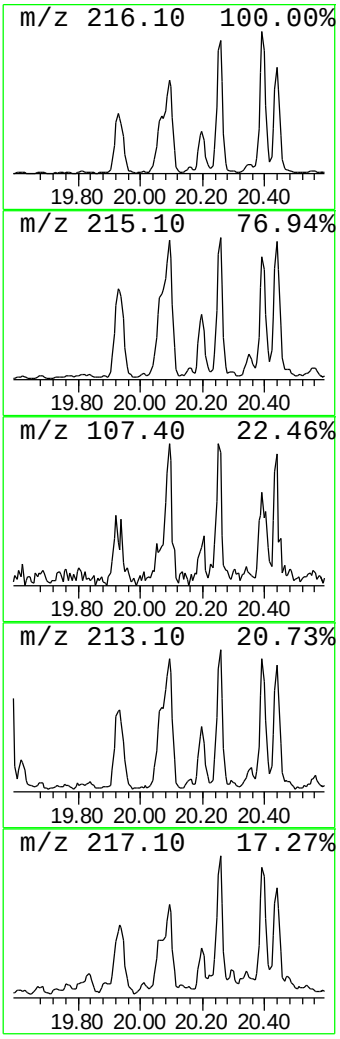
Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.09	2.11 ng/ul	844448	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	74





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ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS001-1218-02

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Quant Title : SVOA CALIBRATION

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

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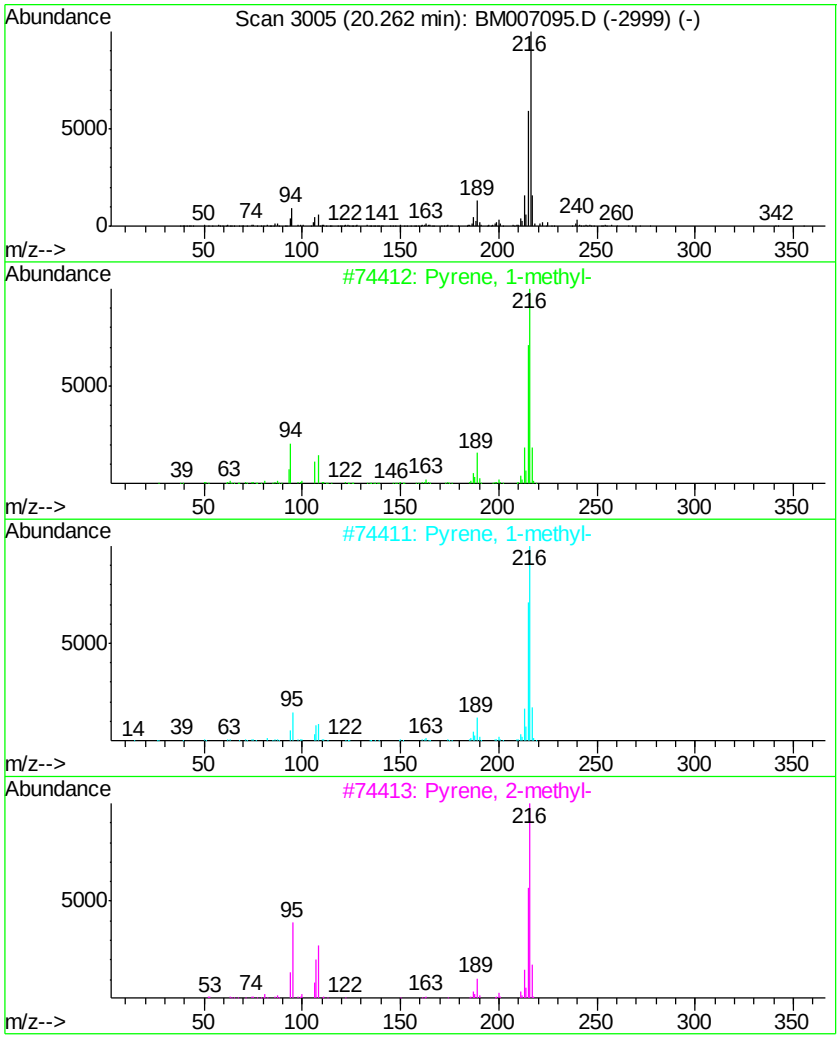
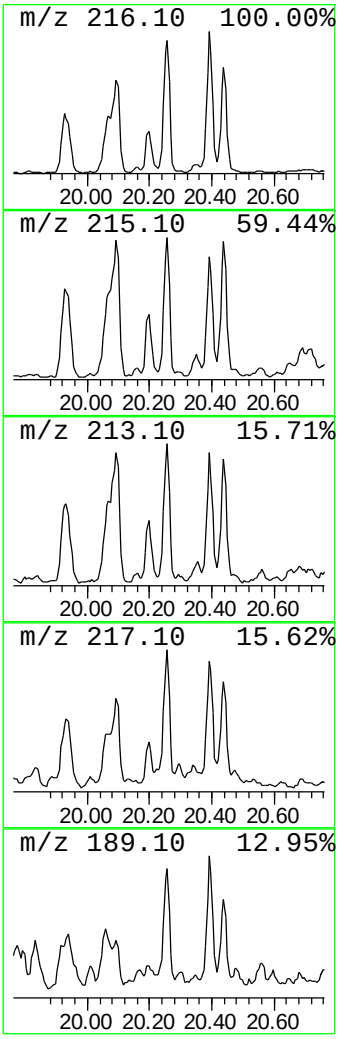
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.26	2.51 ng/ul	1005350	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	94
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93





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Instrument : BNA_M
ClientSampleId : P003-SS001-1218-02

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Quant Title : SVOA CALIBRATION

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

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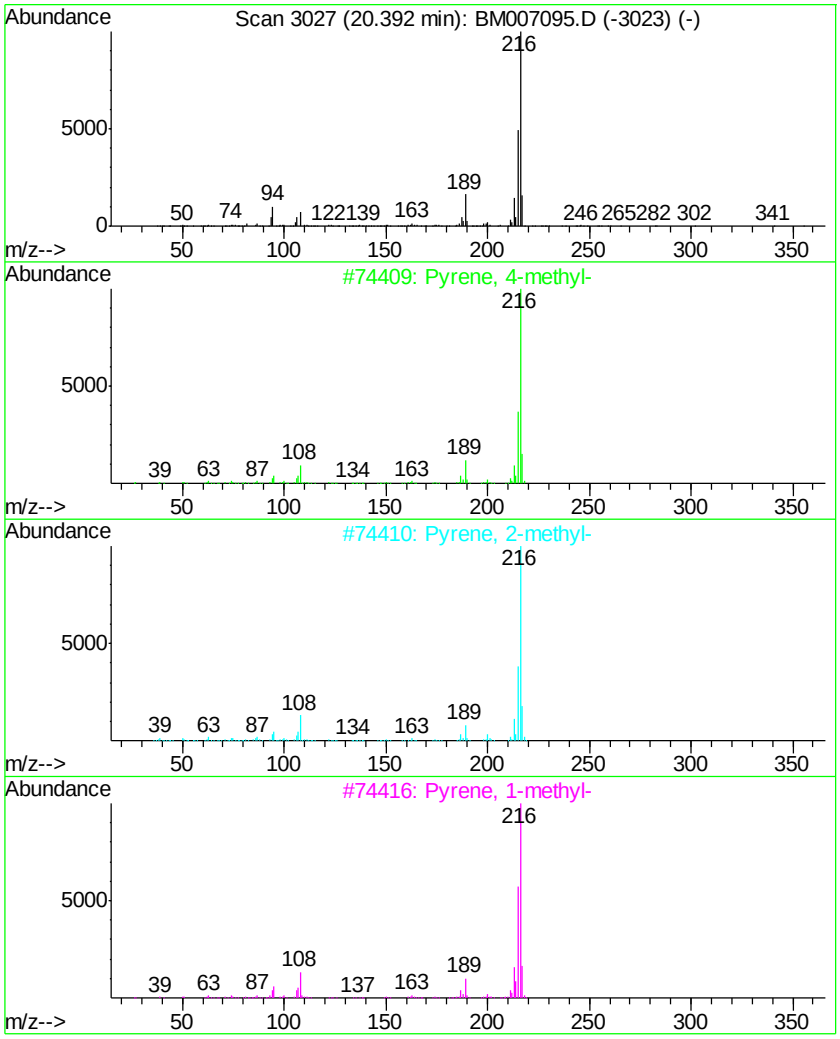
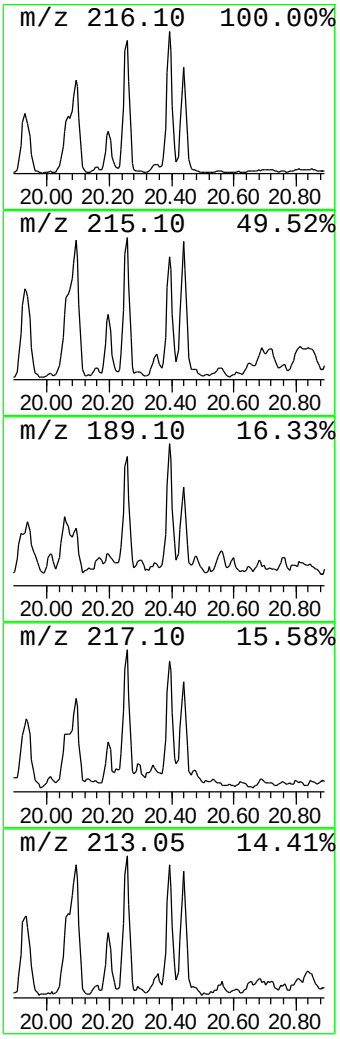
Peak Number 18 Pyrene, 4-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.39	2.07 ng/ul	828357	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	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 : P003-SS001-1218-02

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Quant Title : SVOA CALIBRATION

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

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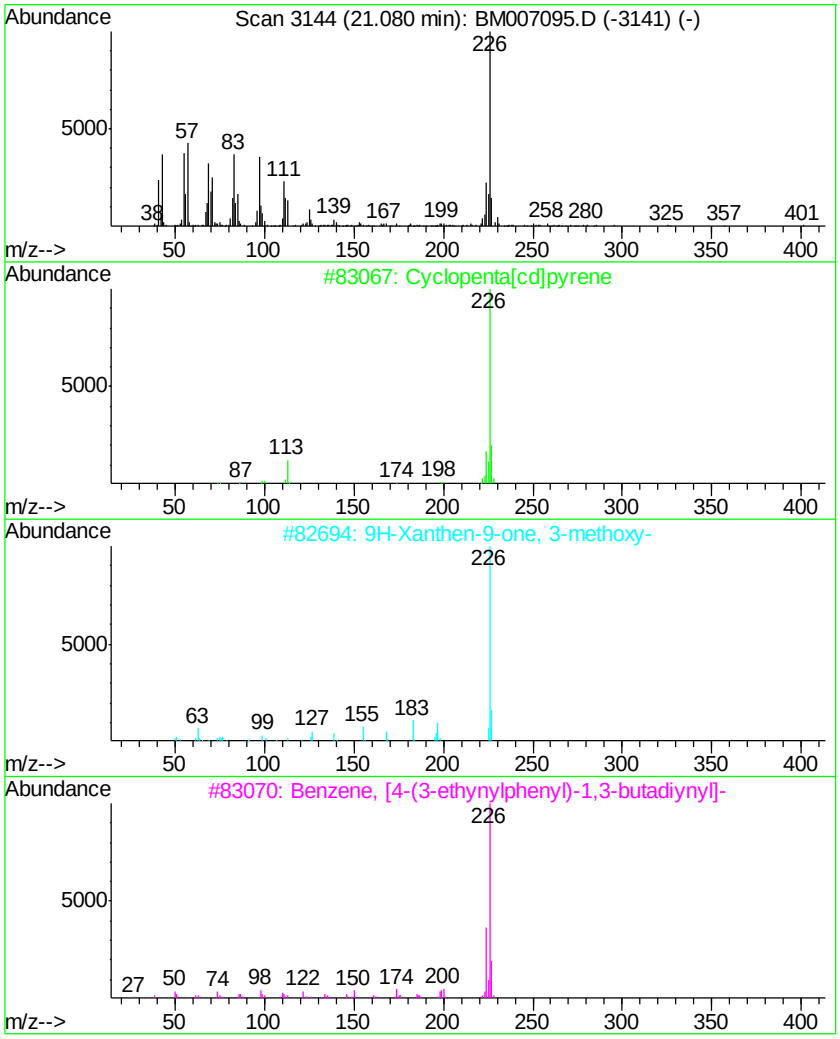
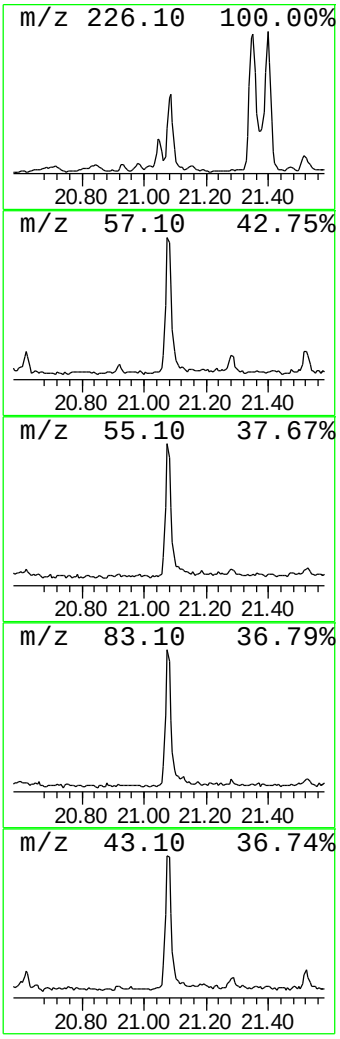
Peak Number 19 Cyclopenta[cd]pyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.08	2.68 ng/ul	1074570	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	55
2	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	38
3	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	35
4	Anthralin	226	C14H10O3	001143-38-0	32
5	L-Valine, N-(2,6-difluoro-3-meth...	425	C24H37F2NO3	1000346-45-0	25





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Acq On : 14 Aug 2016 07:24
Operator : UM/SJ
Sample : H4387-01
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS001-1218-02

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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

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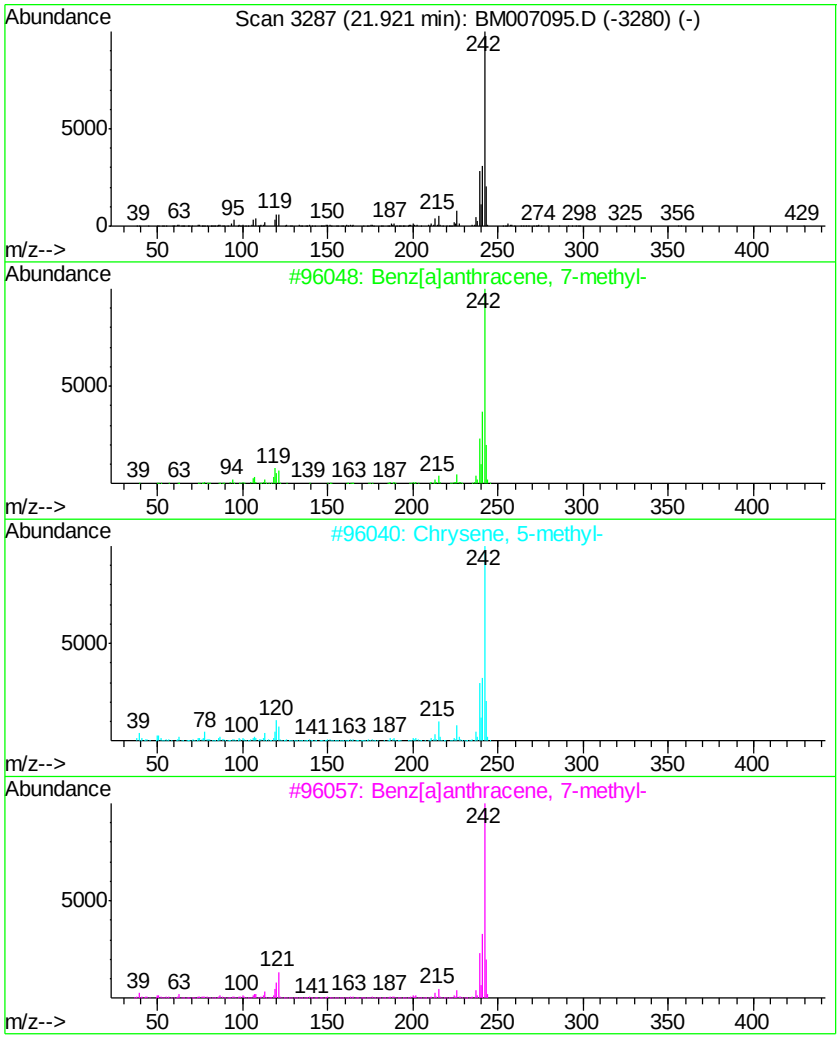
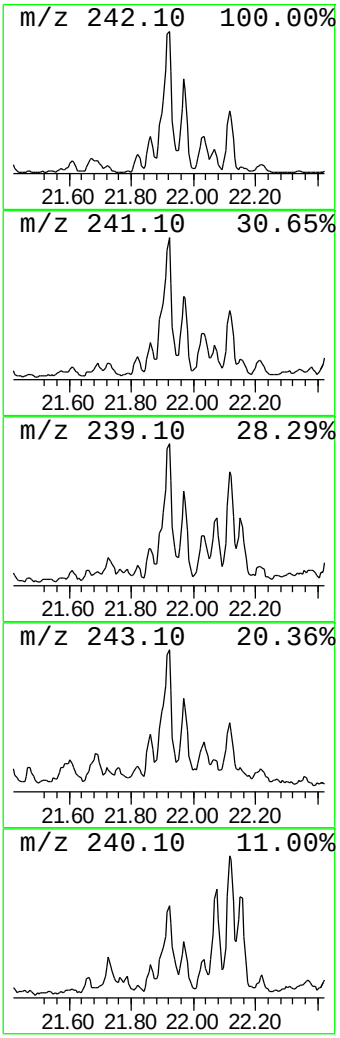
Peak Number 20 Benz[a]anthracene, 7-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.92	2.72 ng/ul	1091520	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	91
2	Chrysene, 5-methyl-	242	C19H14	003697-24-3	91
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	91
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	87
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	87





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Operator : UM/SJ
Sample : H4387-01
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS001-1218-02

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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

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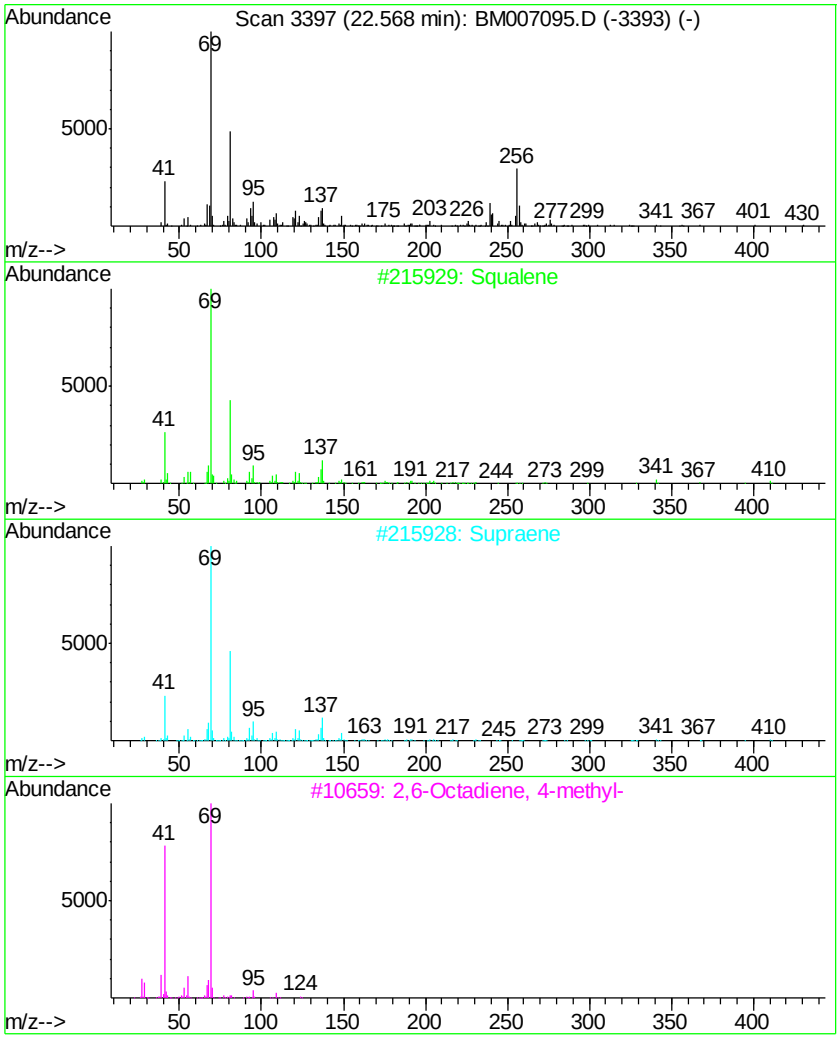
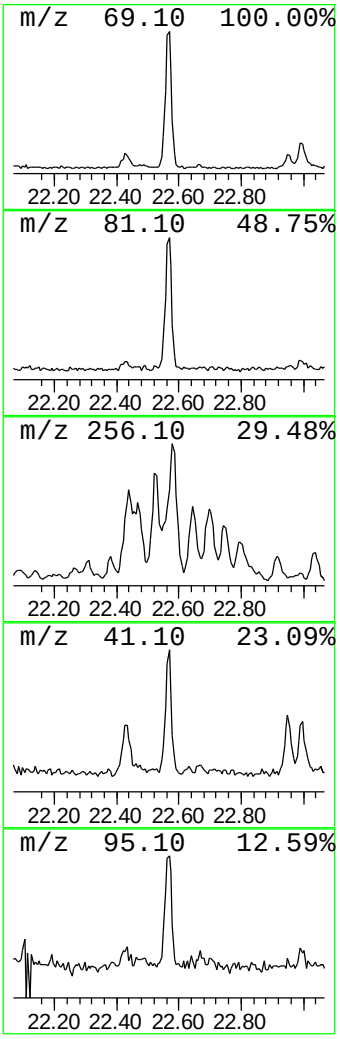
Peak Number 21 Squalene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.57	2.98 ng/ul	813904	Perylene-d12	23.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	58
2	Supraene	410	C30H50	007683-64-9	58
3	2,6-Octadiene, 4-methyl-	124	C9H16	074498-94-5	47
4	4,8,12-Tetradecatrienenitrile, 5...	245	C17H27N	005981-31-7	47
5	Methanone, dicyclopropyl-	110	C7H10O	001121-37-5	43





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Data File : BM007095.D
Acq On : 14 Aug 2016 07:24
Operator : UM/SJ
Sample : H4387-01
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS001-1218-02

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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

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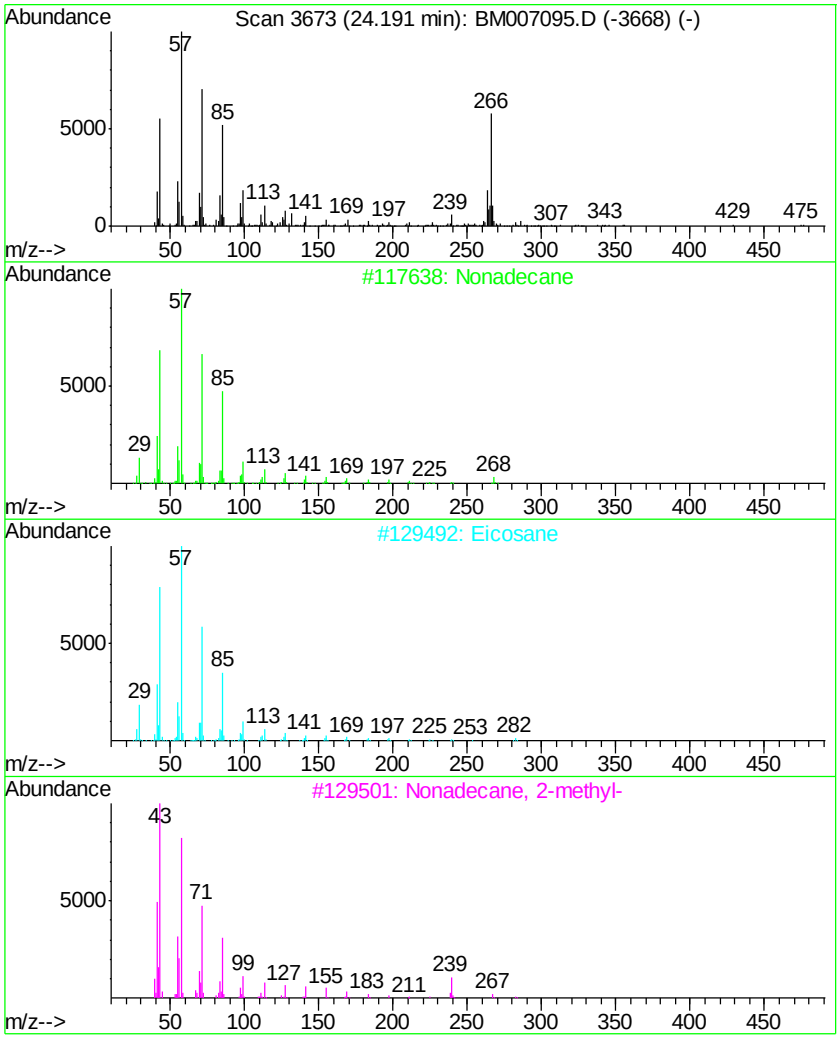
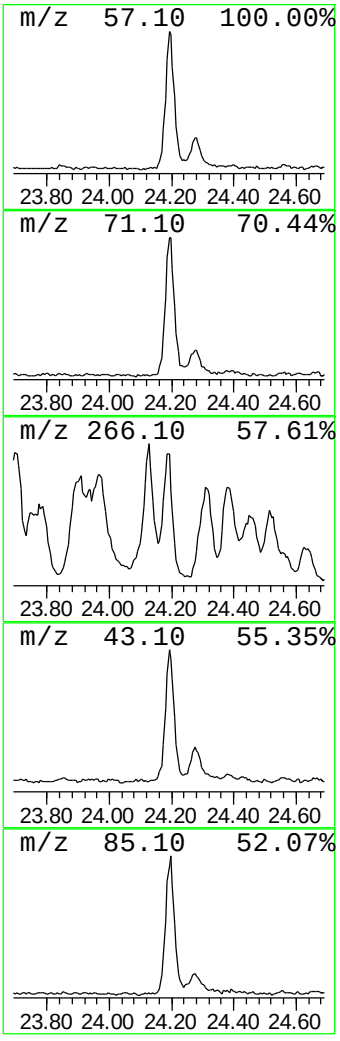
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.19	3.12 ng/ul	854020	Perylene-d12	23.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	70
2	Eicosane	282	C20H42	000112-95-8	70
3	Nonadecane, 2-methyl-	282	C20H42	001560-86-7	60
4	Tetratetracontane	619	C44H90	007098-22-8	60
5	Octacosane	394	C28H58	000630-02-4	60





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007095.D
Acq On : 14 Aug 2016 07:24
Operator : UM/SJ
Sample : H4387-01
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS001-1218-02

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	17.57	6.5	ng/ul	1348710	4	17.18	4139810	20.0
Phenanthrene, 2-m...	18.06	4.6	ng/ul	961395	4	17.18	4139810	20.0
n-Hexadecanoic acid	18.08	3.2	ng/ul	666419	4	17.18	4139810	20.0
Anthracene, 2-met...	18.10	5.6	ng/ul	1158300	4	17.18	4139810	20.0
Naphtho[2,3-b]nor...	18.24	6.5	ng/ul	1344570	4	17.18	4139810	20.0
1H-Cyclopropa[l]p...	18.29	3.5	ng/ul	715235	4	17.18	4139810	20.0
1,2,4,8-Tetrameth...	18.56	2.3	ng/ul	483776	4	17.18	4139810	20.0
9,10-Anthracenedione	18.59	3.0	ng/ul	619823	4	17.18	4139810	20.0
Phenanthrene, 3,6...	18.85	2.7	ng/ul	562496	4	17.18	4139810	20.0
Phenanthrene, 2,5...	18.97	6.8	ng/ul	1412140	4	17.18	4139810	20.0
di-p-Tolylacetylene	19.03	3.9	ng/ul	807085	4	17.18	4139810	20.0
9,10-Dimethylanth...	19.11	3.9	ng/ul	812263	4	17.18	4139810	20.0
Phenanthrene, 2,3...	19.68	2.0	ng/ul	823482	5	21.36	8015060	20.0
11H-Benzo[b]fluorene	20.09	2.1	ng/ul	844448	5	21.36	8015060	20.0
Pyrene, 1-methyl-	20.26	2.5	ng/ul	1005350	5	21.36	8015060	20.0
Pyrene, 4-methyl-	20.39	2.1	ng/ul	828357	5	21.36	8015060	20.0
Cyclopenta[cd]pyrene	21.08	2.7	ng/ul	1074570	5	21.36	8015060	20.0
Benz[a]anthracene...	21.92	2.7	ng/ul	1091520	5	21.36	8015060	20.0
Squalene	22.57	3.0	ng/ul	813904	6	23.64	5467330	20.0
(DEL) Alkane: Str...	24.19	3.1	ng/ul	854020	6	23.64	5467330	20.0