LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM011316\
Data File : BM003984.D
Acq On : 13 Jan 2016 10:14
Operator : SJ/UM
Sample : H1095-14
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC977

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.652	92	96	104	rBV	56642	73665	5.26%	0.361%
2	6.845	633	639	646	rVB	60761	94306	6.73%	0.462%
3	6.998	660	665	675	rVB	55827	86382	6.17%	0.423%
4	7.198	693	699	708	rBV	70045	106176	7.58%	0.520%
5	7.663	772	778	786	rBB	131121	201196	14.36%	0.985%
6	8.381	893	900	907	rBB	41292	64974	4.64%	0.318%
7	8.822	969	975	984	rBB	66891	103160	7.36%	0.505%
8	9.539	1092	1097	1104	rBB	51756	80169	5.72%	0.392%
9	10.081	1183	1189	1200	rBB	80579	129980	9.28%	0.636%
10	10.451	1245	1252	1258	rBV	216550	348748	24.89%	1.707%
11	10.598	1271	1277	1292	rBB	29212	52309	3.73%	0.256%
12	13.727	1804	1809	1814	rVV	176755	241635	17.25%	1.183%
13	13.774	1814	1817	1823	rVB	69916	90469	6.46%	0.443%
14	14.010	1851	1857	1872	rBV	206868	331993	23.69%	1.625%
15	14.321	1903	1910	1917	rBV2	339476	503368	35.93%	2.464%
16	14.545	1942	1948	1957	rBV2	31146	55858	3.99%	0.273%
17	15.316	2073	2079	2084	rVV	292911	400065	28.55%	1.959%
18	15.451	2097	2102	2106	rVV	47788	66399	4.74%	0.325%
19	16.045	2198	2203	2211	rBV3	31430	65841	4.70%	0.322%
20	16.886	2342	2346	2355	rVB2	21187	35812	2.56%	0.175%
21	17.068	2372	2377	2381	rBV	437661	621888	44.39%	3.045%
22	17.110	2381	2384	2389	rVV	331059	443287	31.64%	2.170%
23	17.168	2389	2394	2398	rVV	313866	433879	30.97%	2.124%
24	17.204	2398	2400	2405	rVB	66352	74231	5.30%	0.363%
25	17.262	2405	2410	2415	rBV2	18736	36506	2.61%	0.179%
26	17.474	2442	2446	2451	rBV	27399	43339	3.09%	0.212%
27	17.651	2469	2476	2483	rVB3	32534	53209	3.80%	0.260%
28	17.945	2519	2526	2530	rBV	130940	185697	13.25%	0.909%
29	17.992	2530	2534	2540	rVB	157665	224295	16.01%	1.098%
30	18.074	2542	2548	2553	rBV2	35130	59860	4.27%	0.293%
31	18.139	2553	2559	2563	rVV2	181246	328396	23.44%	1.608%
32	18.174	2563	2565	2573	rVB	113777	150099	10.71%	0.735%
33	18.451	2607	2612	2615	rBV2	70820	96505	6.89%	0.472%
34	18.498	2615	2620	2629	rVB2	92149	150925	10.77%	0.739%

LSC Area Percent Report

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Data File : BM003984.D
Acq On : 13 Jan 2016 10:14
Operator : SJ/UM
Sample : H1095-14
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC977

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Title : SVOA CALIBRATION

35	18.698	2651	2654	2659	rVV	52903	75823	5.41%	0.371%
36	18.751	2659	2663	2666	rVV	57697	72948	5.21%	0.357%
37	18.786	2666	2669	2675	rVB2	39806	53019	3.78%	0.260%
38	18.874	2678	2684	2689	rBV	173756	299894	21.40%	1.468%
39	18.933	2689	2694	2697	rVV2	75123	149473	10.67%	0.732%
40	18.962	2697	2699	2703	rVB	54663	62820	4.48%	0.308%
41	19.015	2703	2708	2716	rBV2	92939	204064	14.56%	0.999%
42	19.139	2721	2729	2735	rVB	772364	1056233	75.39%	5.171%
43	19.203	2735	2740	2743	rBV	41535	58182	4.15%	0.285%
44	19.239	2743	2746	2750	rVB2	50491	64393	4.60%	0.315%
45	19.339	2758	2763	2767	rBV3	40508	62291	4.45%	0.305%
46	19.386	2767	2771	2773	rBV2	37179	44297	3.16%	0.217%
47	19.415	2773	2776	2780	rVB4	26807	37716	2.69%	0.185%
48	19.474	2780	2786	2788	rBV3	466859	674192	48.12%	3.301%
49	19.503	2788	2791	2799	rVB	945288	1289035	92.00%	6.311%
50	19.580	2799	2804	2808	rBV2	83579	130059	9.28%	0.637%
51	19.745	2828	2832	2837	rVB2	62025	98115	7.00%	0.480%
52	19.833	2841	2847	2857	rBV5	115184	332813	23.75%	1.629%
53	19.915	2858	2861	2865	rVB3	32386	42249	3.02%	0.207%
54	19.968	2865	2870	2871	rBV4	98524	130008	9.28%	0.636%
55	20.003	2872	2876	2882	rVB	186453	274790	19.61%	1.345%
56	20.103	2889	2893	2897	rBV2	101019	131177	9.36%	0.642%
57	20.162	2898	2903	2908	rVV2	156503	222913	15.91%	1.091%
58	20.303	2923	2927	2930	rVV	154424	199919	14.27%	0.979%
59	20.350	2930	2935	2938	rVV	141944	201345	14.37%	0.986%
60	20.468	2952	2955	2959	rVB2	39889	53466	3.82%	0.262%
61	20.568	2967	2972	2975	rBV	108257	167031	11.92%	0.818%
62	20.598	2975	2977	2980	rVB2	36903	39004	2.78%	0.191%
63	20.721	2993	2998	2999	rVV2	38922	54939	3.92%	0.269%
64	20.756	3000	3004	3010	rVV	123251	209324	14.94%	1.025%
65	20.845	3016	3019	3023	rVB	43257	55491	3.96%	0.272%
66	20.921	3024	3032	3036	rBV4	113324	243570	17.38%	1.192%
67	20.956	3036	3038	3041	rVV	97269	119023	8.49%	0.583%
68	20.997	3041	3045	3050	rVV2	93544	179836	12.84%	0.880%
69	21.056	3050	3055	3062	rVV2	81544	152716	10.90%	0.748%
70	21.162	3070	3073	3081	rVB4	32380	60989	4.35%	0.299%
71	21.274	3085	3092	3096	rVV2	669549	1401116	100.00%	6.859%

LSC Area Percent Report

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Operator : SJ/UM
Sample : H1095-14
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC977

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Title : SVOA CALIBRATION

72	21.315	3096	3099	3109	rVB	479067	646519	46.14%	3.165%
73	21.392	3109	3112	3115	rBV2	43547	55440	3.96%	0.271%
74	21.433	3115	3119	3125	rVV	83200	145896	10.41%	0.714%
75	21.492	3125	3129	3141	rVB9	52599	178279	12.72%	0.873%
76	21.597	3142	3147	3151	rBV4	41799	79504	5.67%	0.389%
77	21.639	3151	3154	3158	rVB2	36720	46400	3.31%	0.227%
78	21.768	3173	3176	3179	rBV	40418	55484	3.96%	0.272%
79	21.827	3179	3186	3190	rVV	156164	272927	19.48%	1.336%
80	21.880	3192	3195	3200	rVB	88009	123104	8.79%	0.603%
81	22.021	3216	3219	3223	rBV	90541	136772	9.76%	0.670%
82	22.121	3232	3236	3243	rVB2	65881	113206	8.08%	0.554%
83	22.321	3265	3270	3272	rBV4	40995	73628	5.25%	0.360%
84	22.539	3304	3307	3310	rBV2	21969	38172	2.72%	0.187%
85	22.844	3351	3359	3364	rBV	266067	654302	46.70%	3.203%
86	23.015	3383	3388	3394	rBV	50811	85815	6.12%	0.420%
87	23.321	3434	3440	3444	rBV	180540	337600	24.10%	1.653%
88	23.374	3444	3449	3452	rVV	224580	413640	29.52%	2.025%
89	23.415	3452	3456	3463	rVV	279402	493836	35.25%	2.418%
90	23.515	3466	3473	3478	rVV	279447	552044	39.40%	2.703%
91	23.562	3478	3481	3489	rVB3	79457	160259	11.44%	0.785%
92	24.015	3551	3558	3562	rBV3	28579	66834	4.77%	0.327%
93	24.374	3615	3619	3625	rBV2	24531	45957	3.28%	0.225%
94	25.756	3846	3854	3865	rVB	127626	368312	26.29%	1.803%
95	26.015	3894	3898	3905	rVB2	20619	44408	3.17%	0.217%
96	26.103	3908	3913	3919	rBV	21110	52100	3.72%	0.255%
97	26.450	3963	3972	3984	rVB	97361	290555	20.74%	1.422%
98	26.638	3996	4004	4017	rVB	18468	79067	5.64%	0.387%
99	26.809	4026	4033	4034	rBV3	21023	37177	2.65%	0.182%
100	26.997	4057	4065	4076	rVB7	10540	40355	2.88%	0.198%

Sum of corrected areas: 20426486

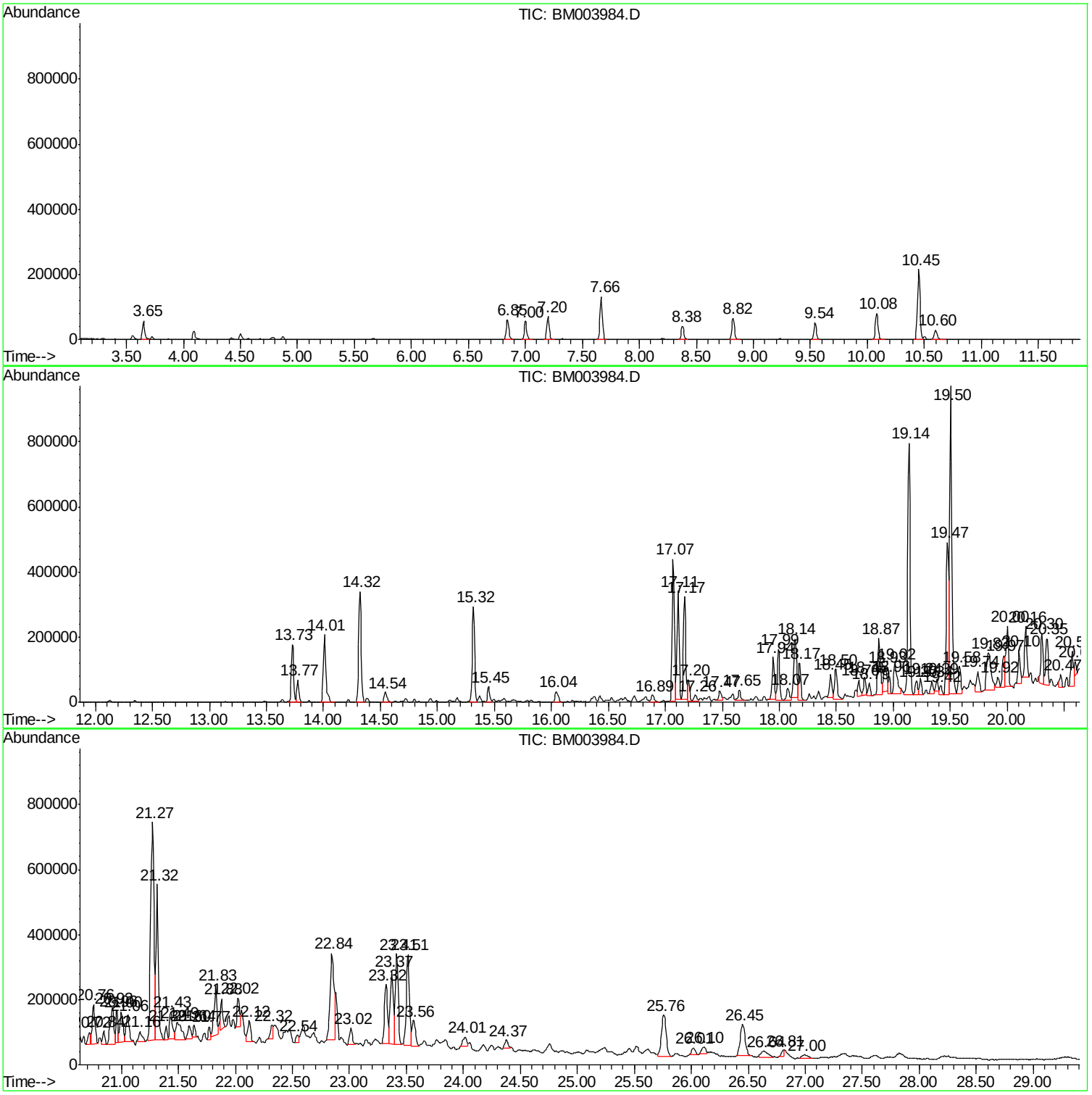
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM011316\
Data File : BM003984.D
Acq On : 13 Jan 2016 10:14
Operator : SJ/UM
Sample : H1095-14
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC977

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.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\BM011316\
Data File : BM003984.D
Acq On : 13 Jan 2016 10:14
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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

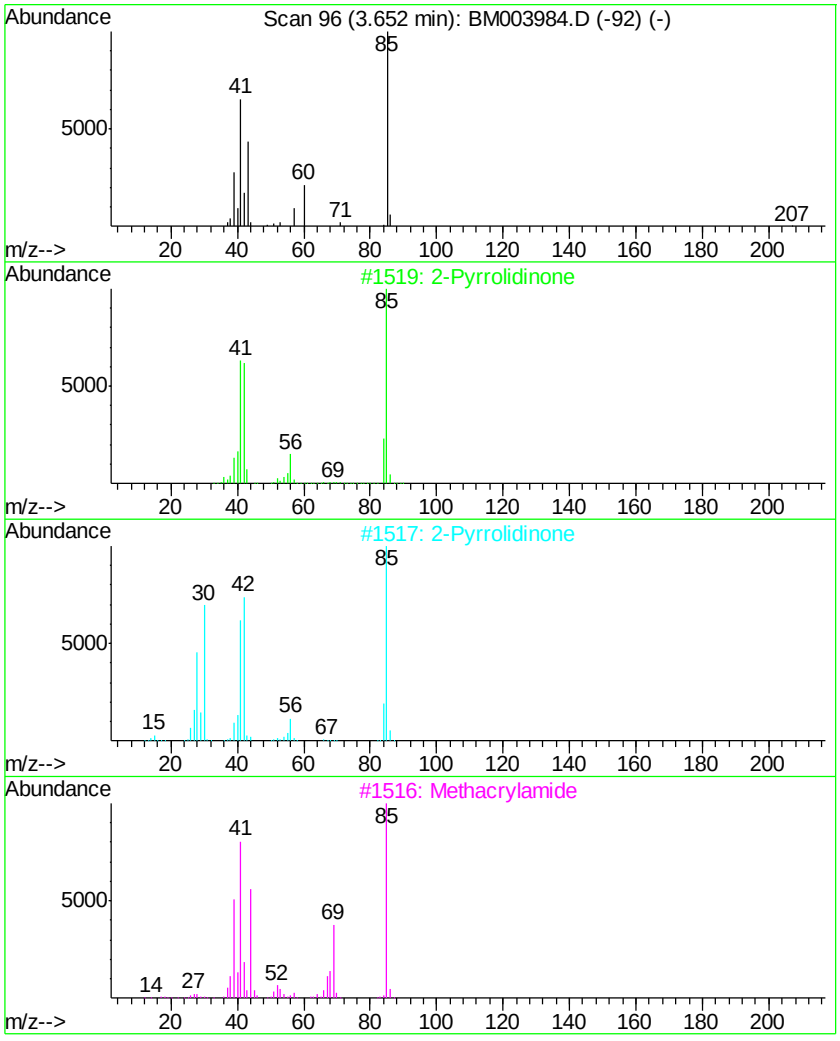
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

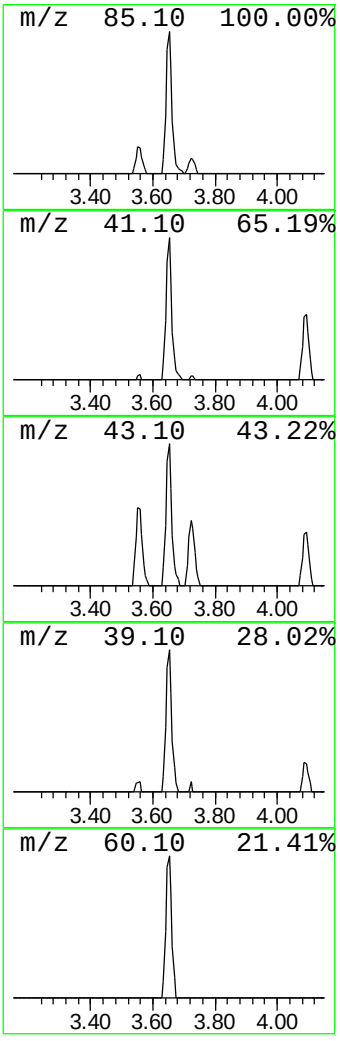
****

Peak Number 1 2-Pyrrolidinone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.65	7.32 ng/ul	73665	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pyrrolidinone	85	C4H7NO	000616-45-5	53
2	2-Pyrrolidinone	85	C4H7NO	000616-45-5	33
3	Methacrylamide	85	C4H7NO	000079-39-0	33
4	2-Pyrrolidinone	85	C4H7NO	000616-45-5	9
5	2-Pyrrolidinone	85	C4H7NO	000616-45-5	9





Data Path : Z:\HPCHEM1\BNA M\DATA\BM011316\
Data File : BM003984.D
Acq On : 13 Jan 2016 10:14
Operator : SJ/UM
Sample : H1095-14
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC977

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

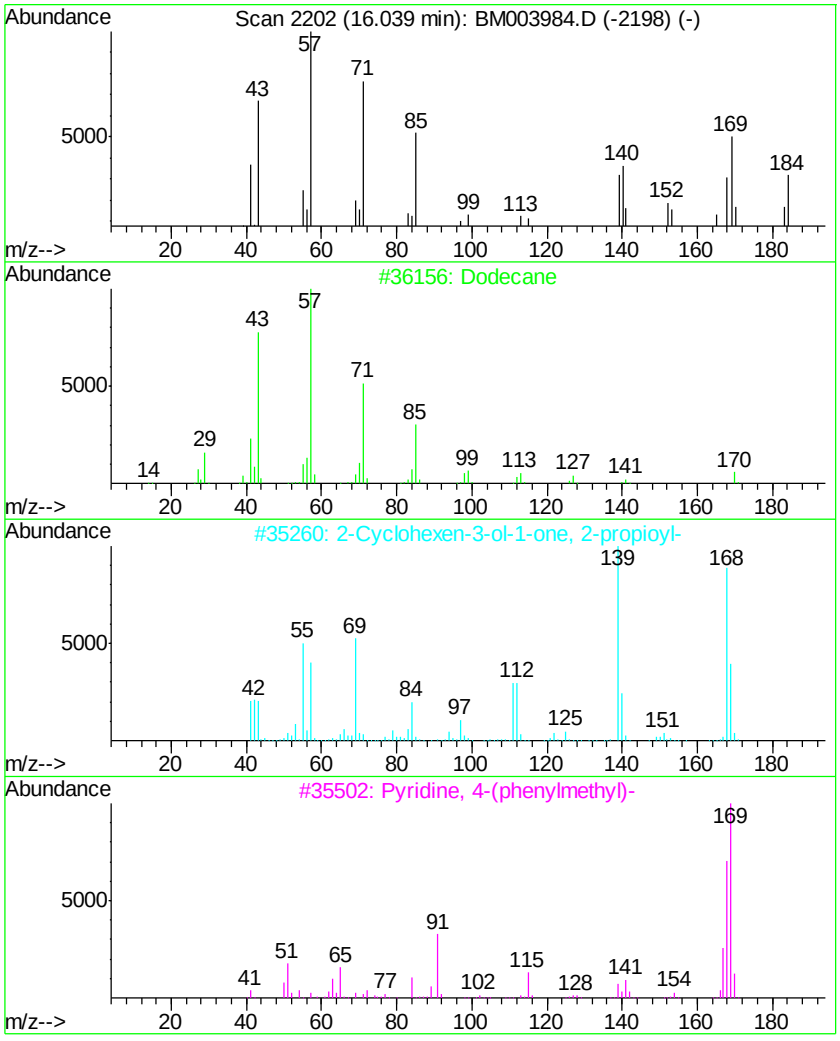
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

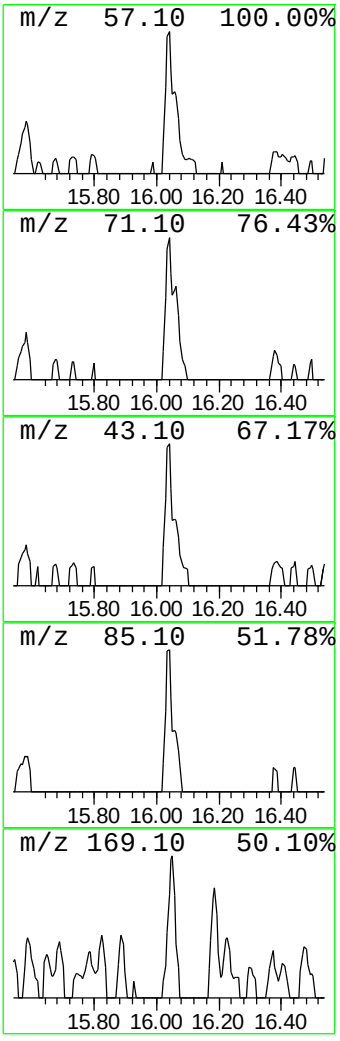
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	2.12 ng/ul	65841	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	25
2	2-Cyclohexen-3-ol-1-one, 2-propi...	168	C9H12O3	062847-90-9	22
3	Pyridine, 4-(phenylmethyl)-	169	C12H11N	002116-65-6	18
4	Dodecane	170	C12H26	000112-40-3	15
5	Dodecane	170	C12H26	000112-40-3	15





Data Path : Z:\HPCHEM1\BNA M\DATA\BM011316\
Data File : BM003984.D
Acq On : 13 Jan 2016 10:14
Operator : SJ/UM
Sample : H1095-14
Misc :
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Instrument : BNA_M
ClientSampleId : BC977

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

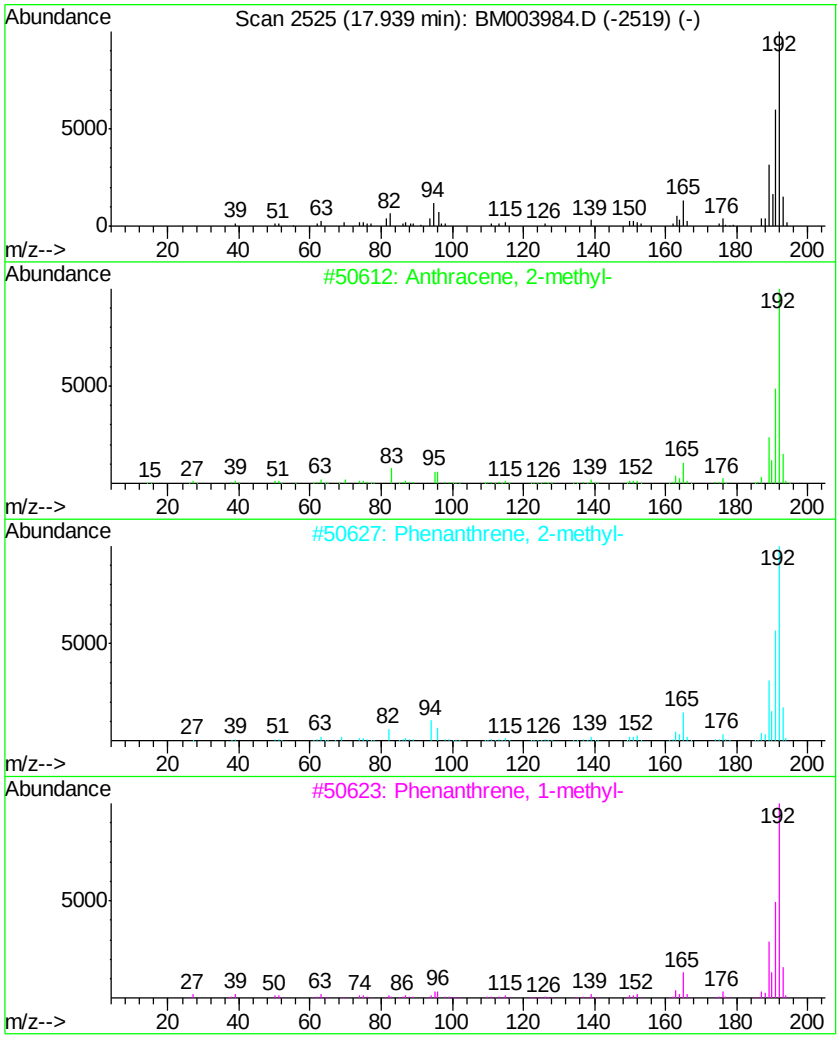
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

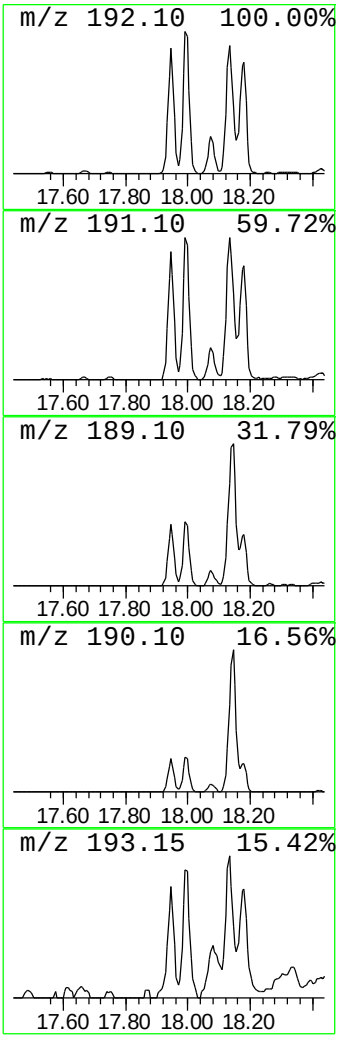
****

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	5.97 ng/ul	185697	Phenanthrene-d10	17.07

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





Data Path : Z:\HPCHEM1\BNA M\DATA\BM011316\
Data File : BM003984.D
Acq On : 13 Jan 2016 10:14
Operator : SJ/UM
Sample : H1095-14
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC977

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

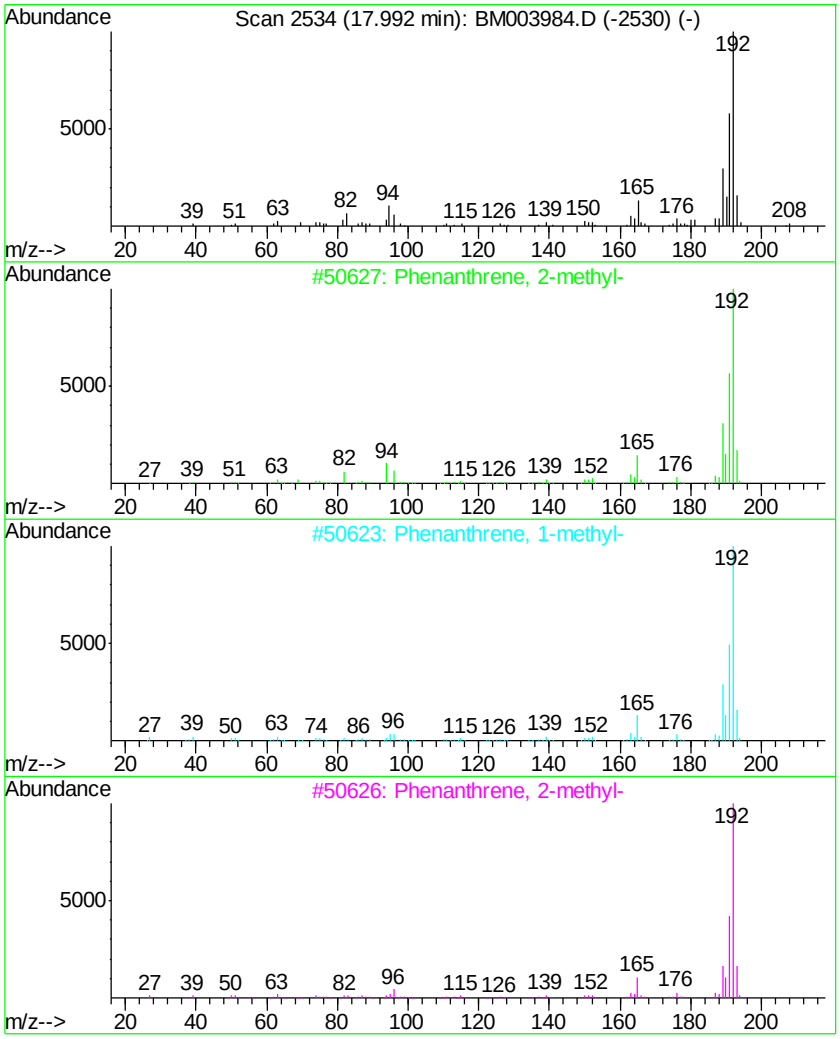
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

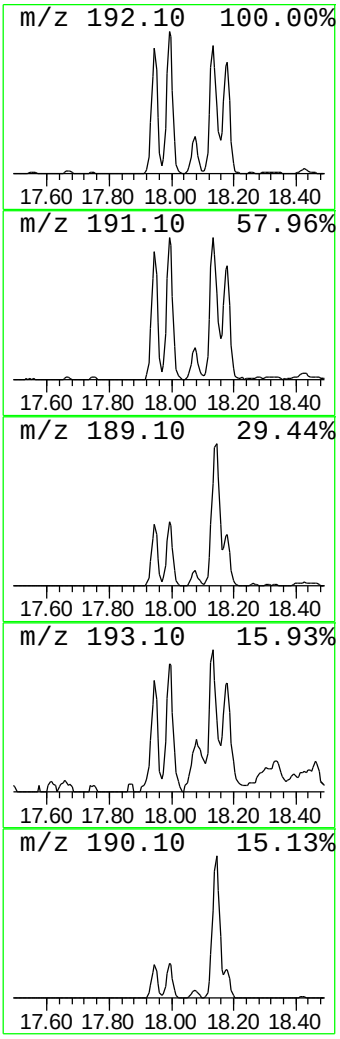
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	7.21 ng/ul	224295	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM011316\
Data File : BM003984.D
Acq On : 13 Jan 2016 10:14
Operator : SJ/UM
Sample : H1095-14
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC977

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

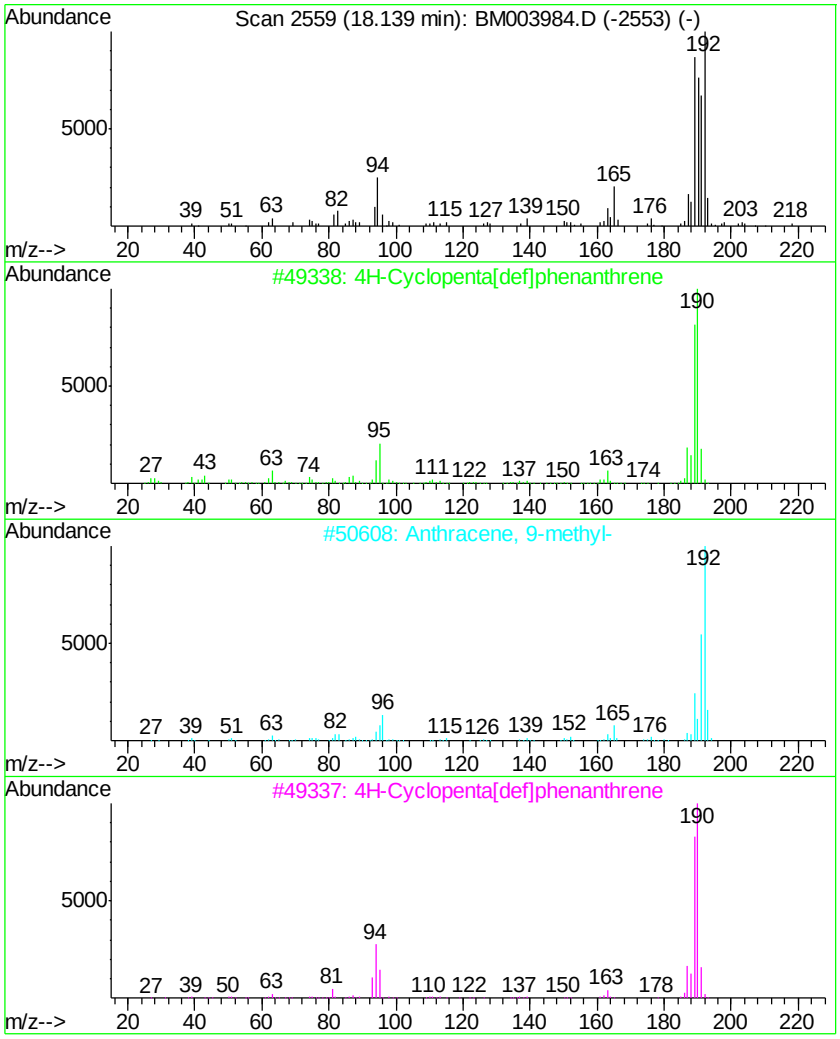
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

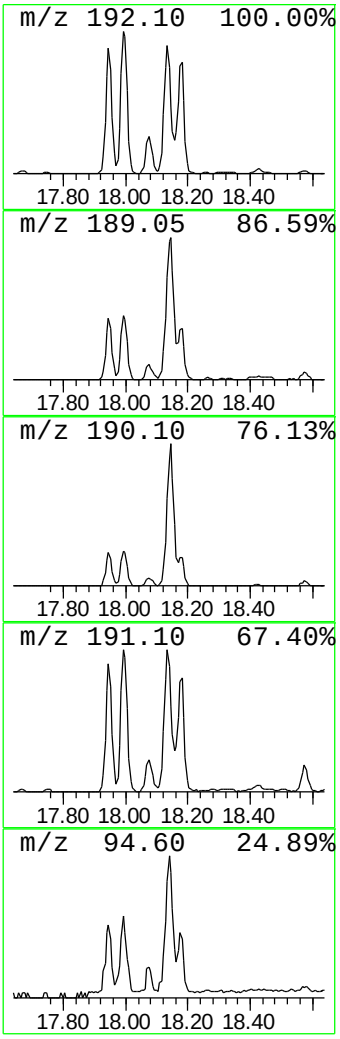
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	10.56 ng/ul	328396	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	50
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	46





Data Path : Z:\HPCHEM1\BNA M\DATA\BM011316\
Data File : BM003984.D
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Operator : SJ/UM
Sample : H1095-14
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC977

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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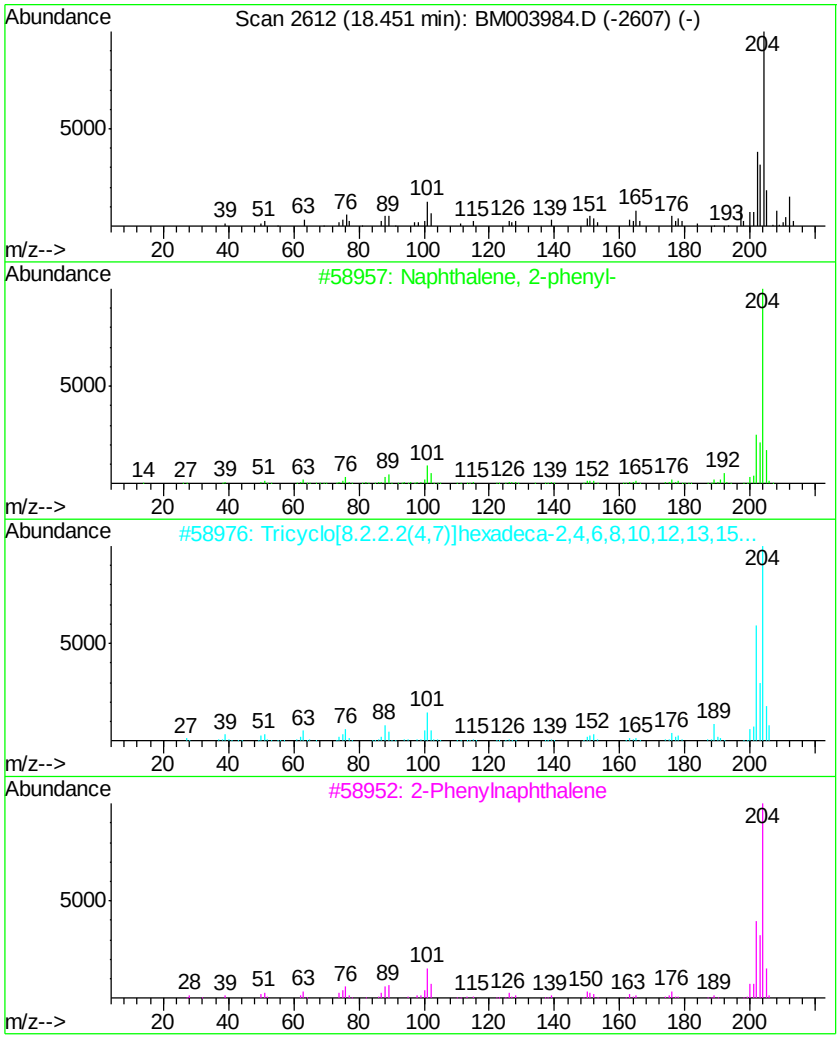
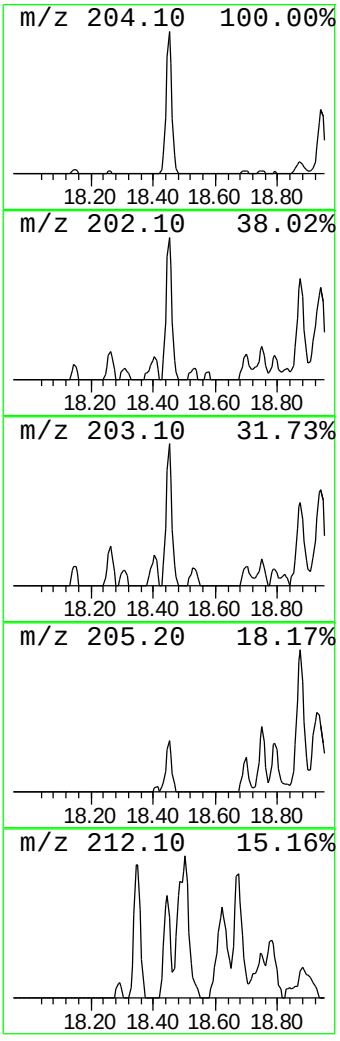
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	3.10 ng/ul	96505	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	89
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	76
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64





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Operator : SJ/UM
Sample : H1095-14
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC977

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Quant Title : SVOA CALIBRATION

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

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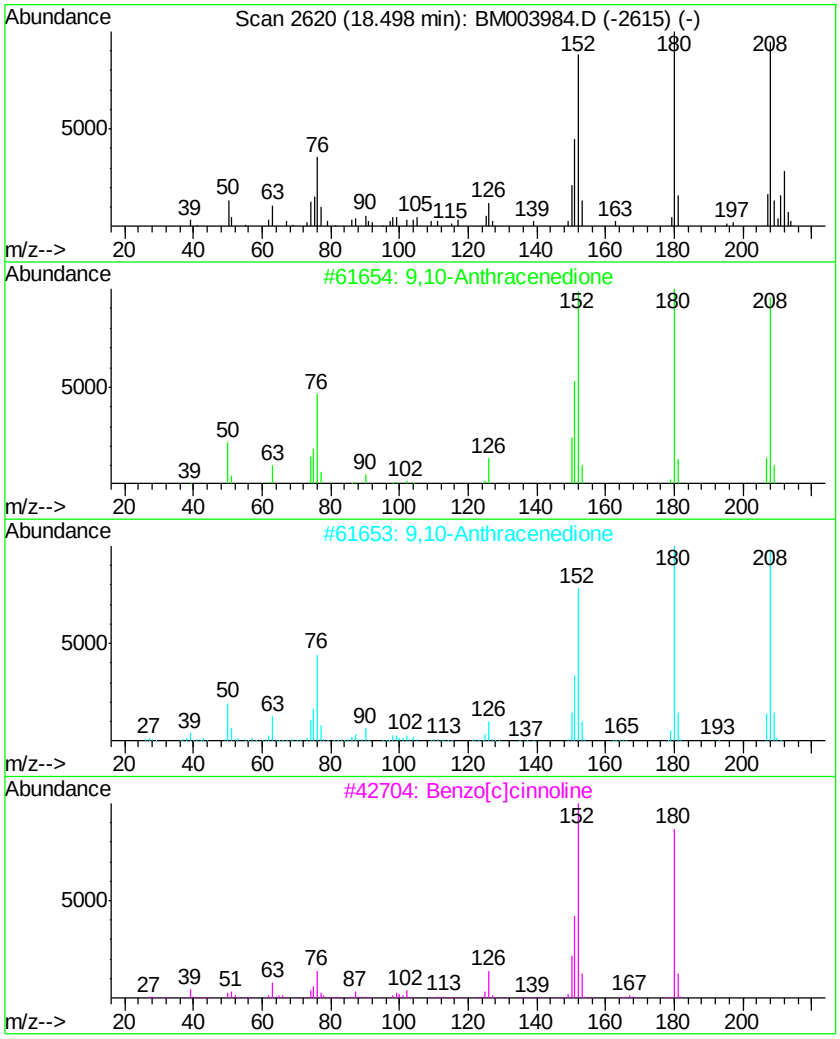
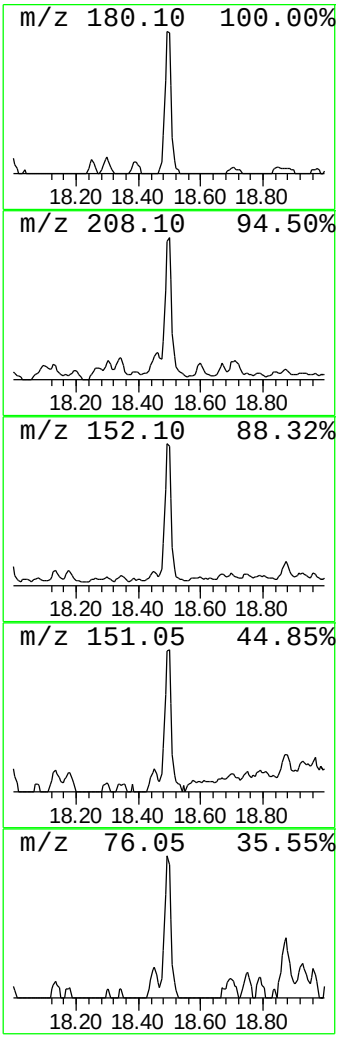
Peak Number 8 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	4.85 ng/ul	150925	Phenanthrene-d10	17.07

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	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	92
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	60





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Misc :
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Instrument : BNA_M
ClientSampleId : BC977

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Quant Title : SVOA CALIBRATION

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

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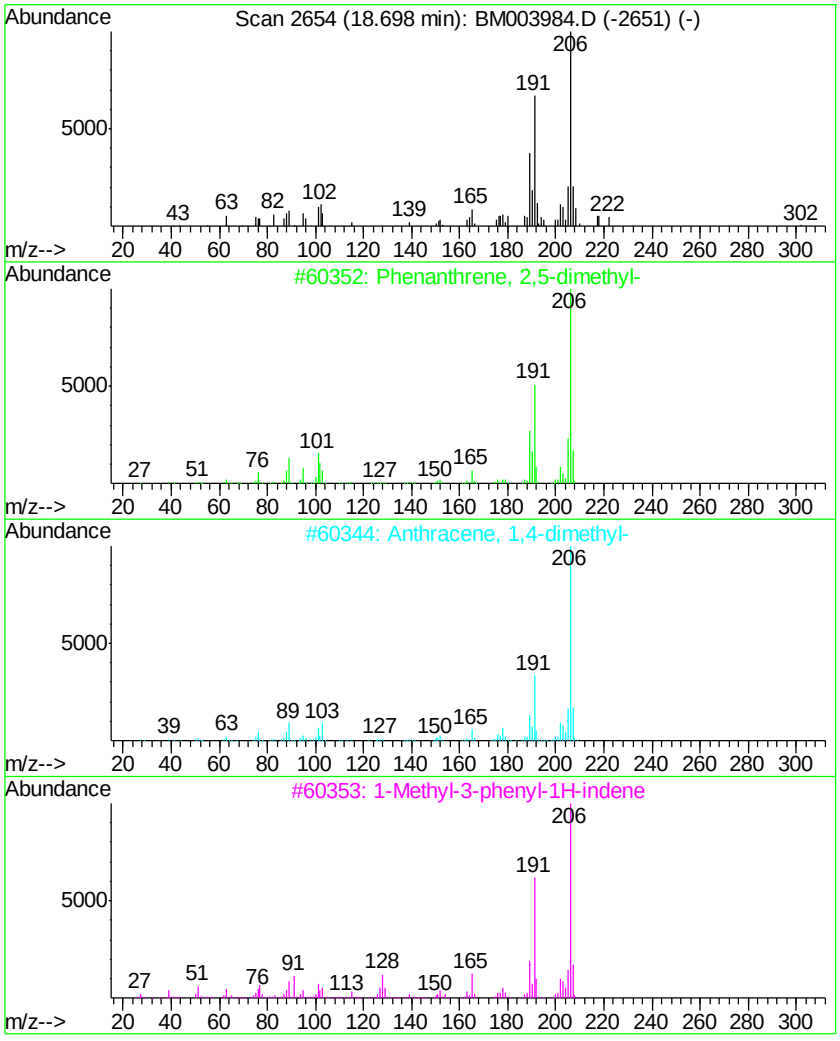
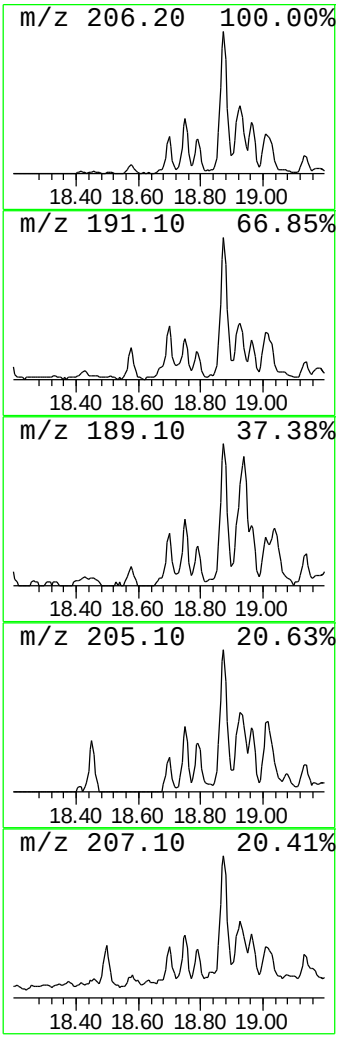
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	2.44 ng/ul	75823	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
3	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	87
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
5	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	87





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Instrument : BNA_M
ClientSampleId : BC977

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Quant Title : SVOA CALIBRATION

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

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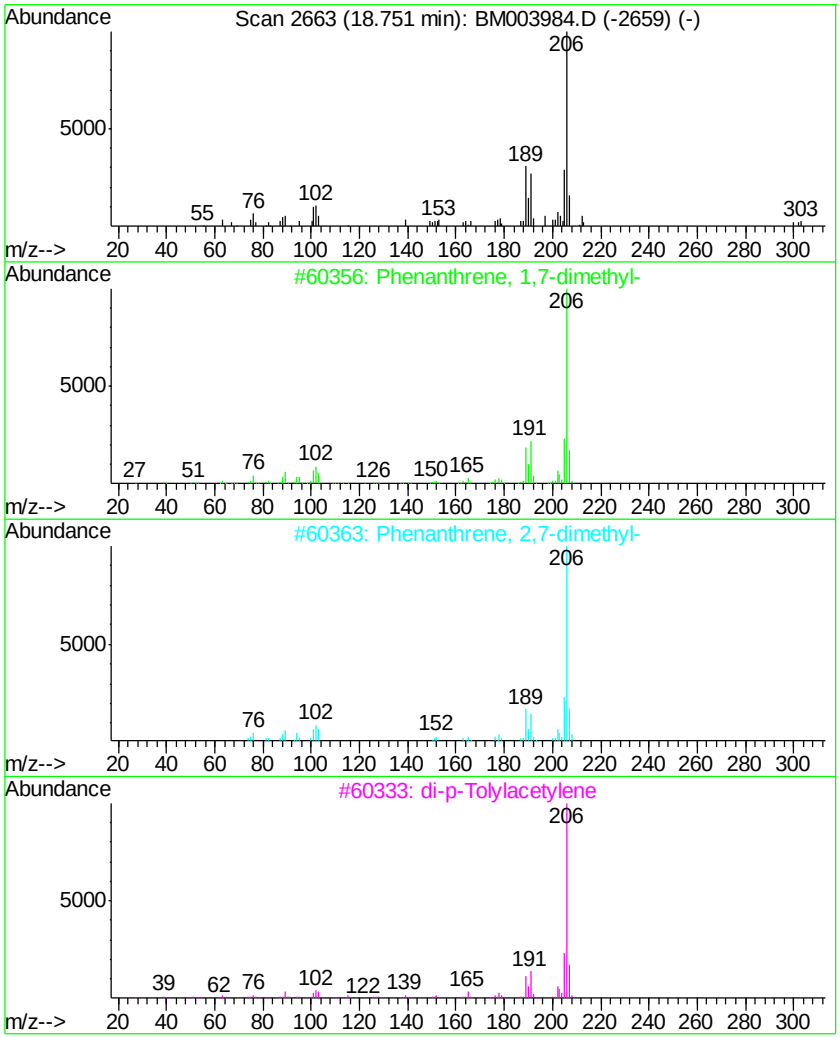
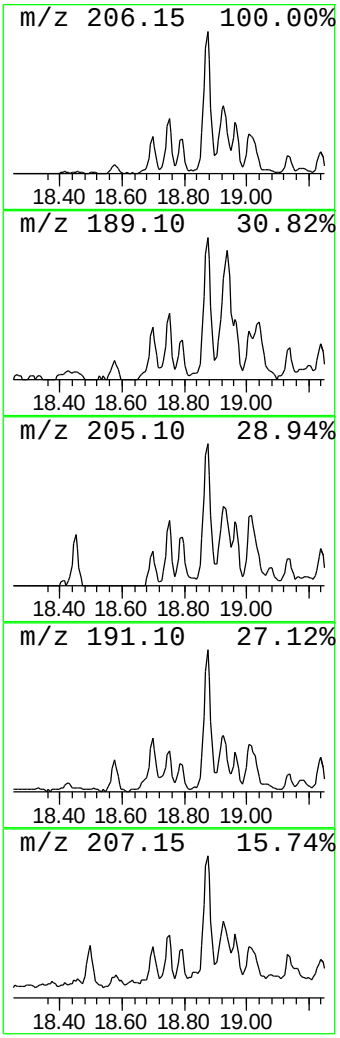
Peak Number 10 Phenanthrene, 1,7-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.75	2.35 ng/ul	72948	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	96
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	87





Library Search Compound Report

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Sample : H1095-14
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC977

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Quant Title : SVOA CALIBRATION

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

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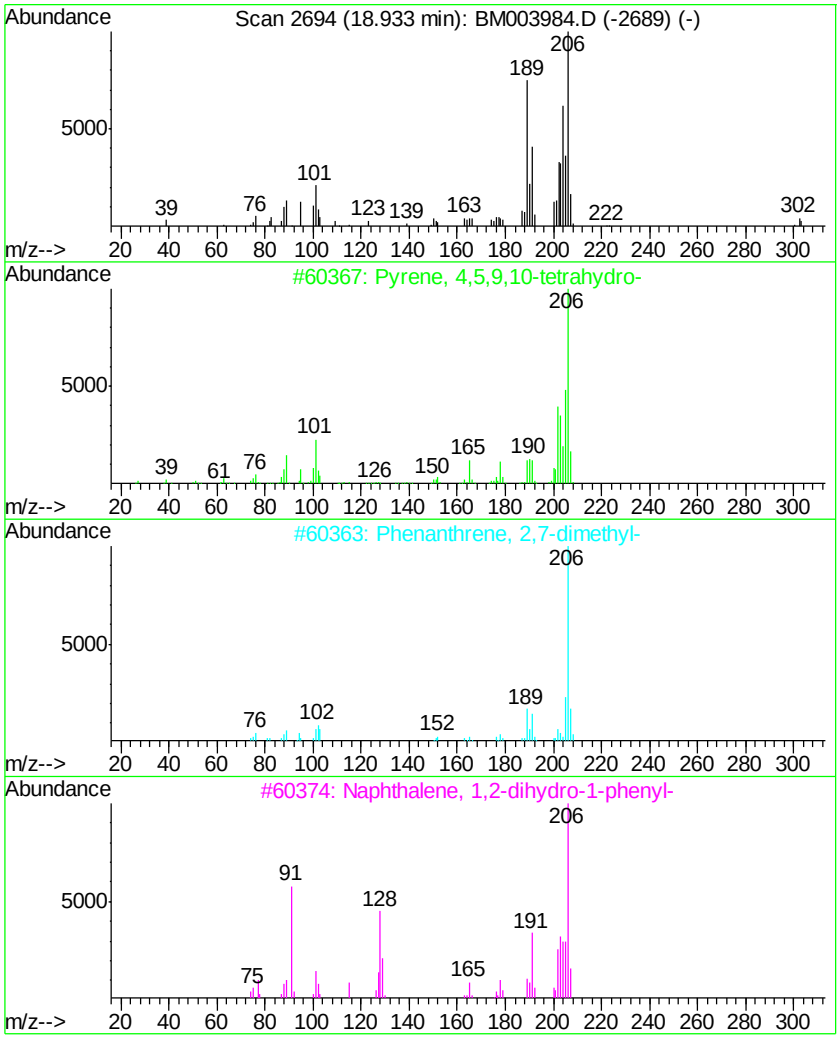
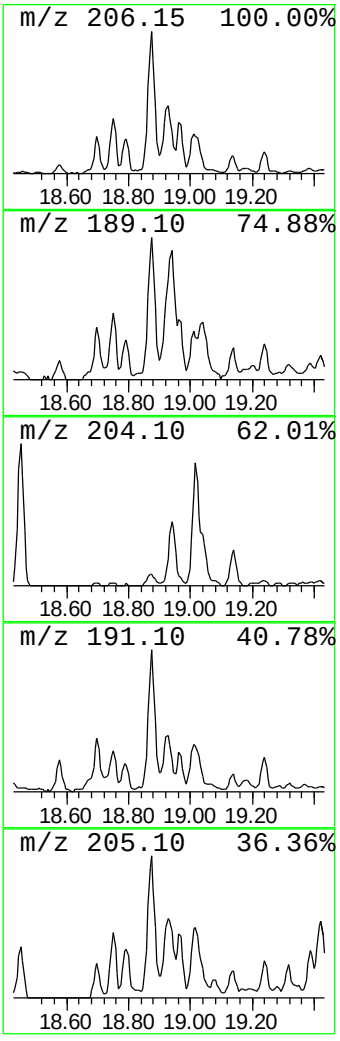
Peak Number 12 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	4.81 ng/ul	149473	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	56
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	52
3	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	50
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	49
5	3,5-Dichloro-4-hydroxybenzoic acid	206	C7H4Cl2O3	003336-41-2	49





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Sample : H1095-14
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ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC977

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Quant Title : SVOA CALIBRATION

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

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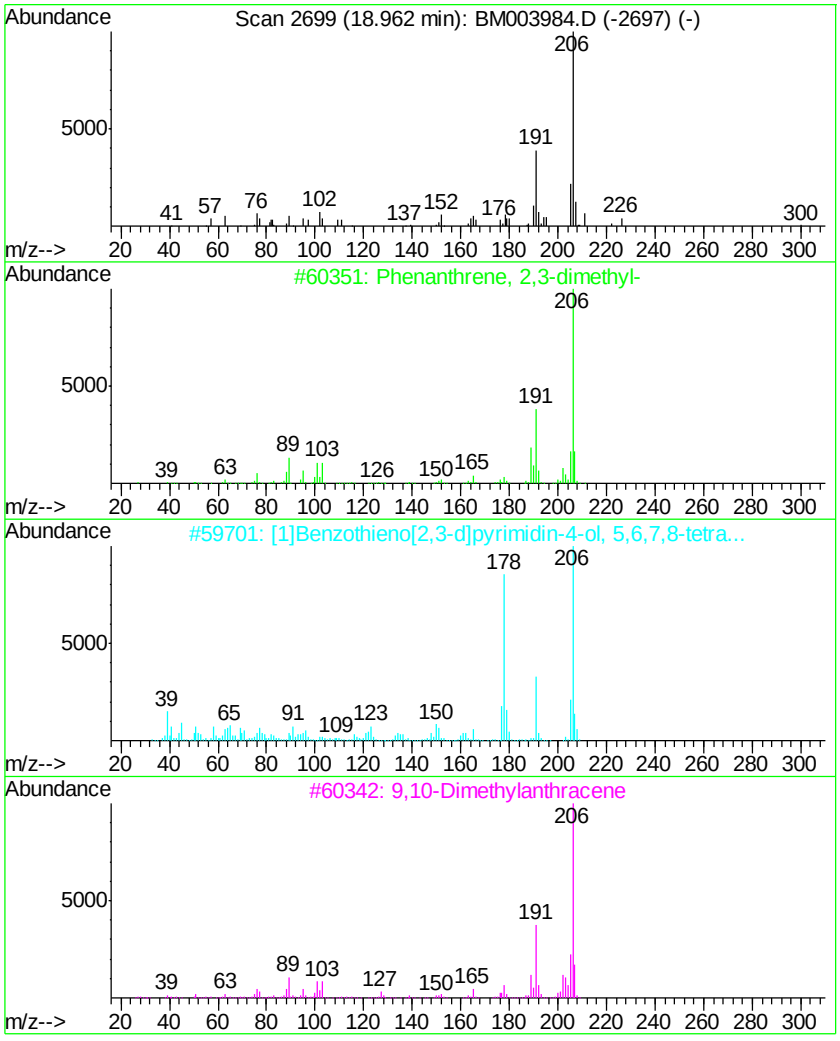
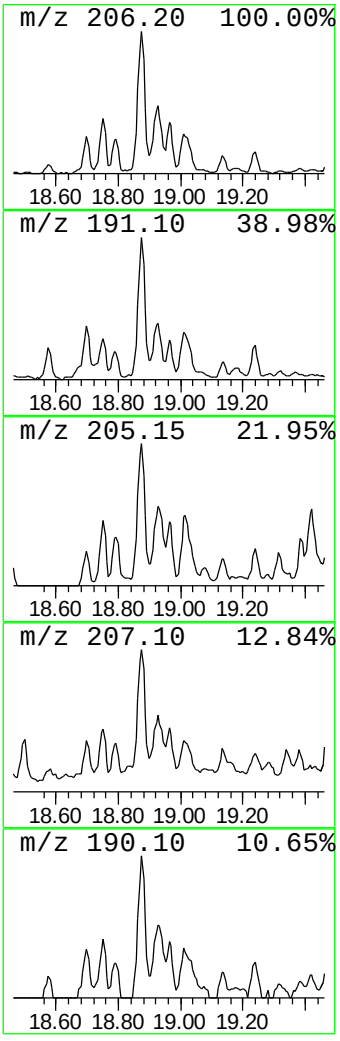
Peak Number 13 Phenanthrene, 2,3-dimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	2.02 ng/ul	62820	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	80
2	[1]Benzothieno[2,3-d]pyrimidin-4...	206	C10H10N2OS	014346-24-8	80
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	80
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	72
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	70





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Operator : SJ/UM
Sample : H1095-14
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC977

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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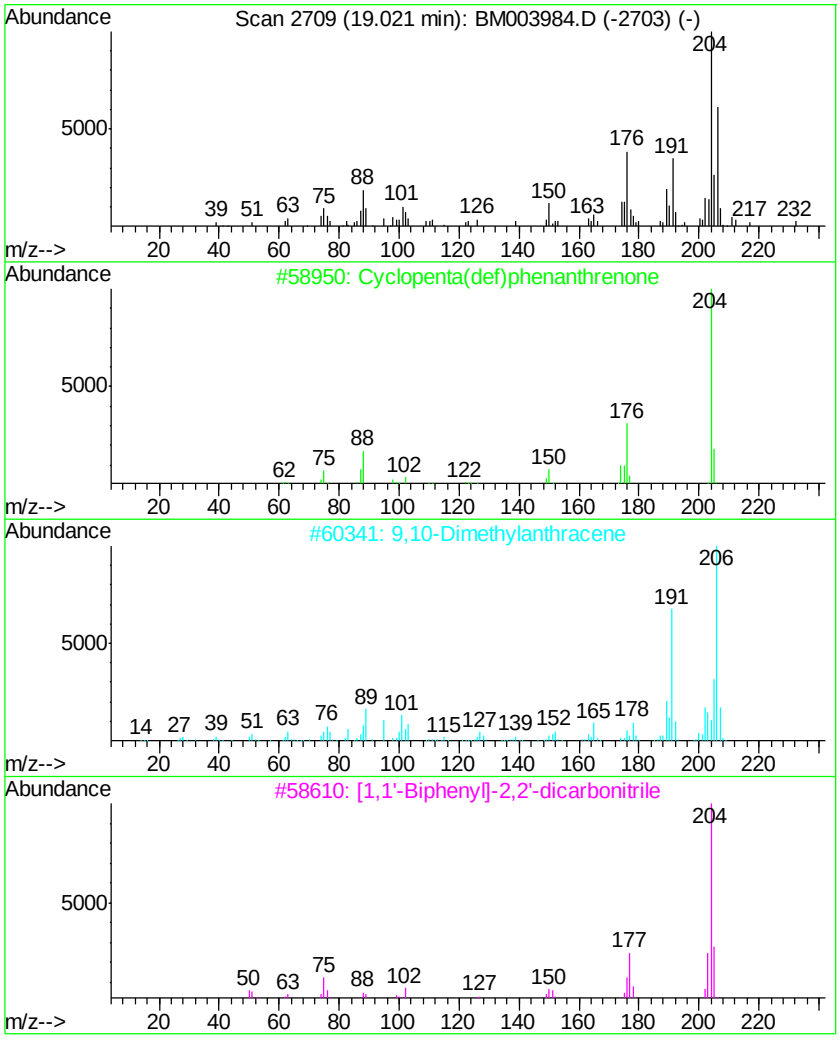
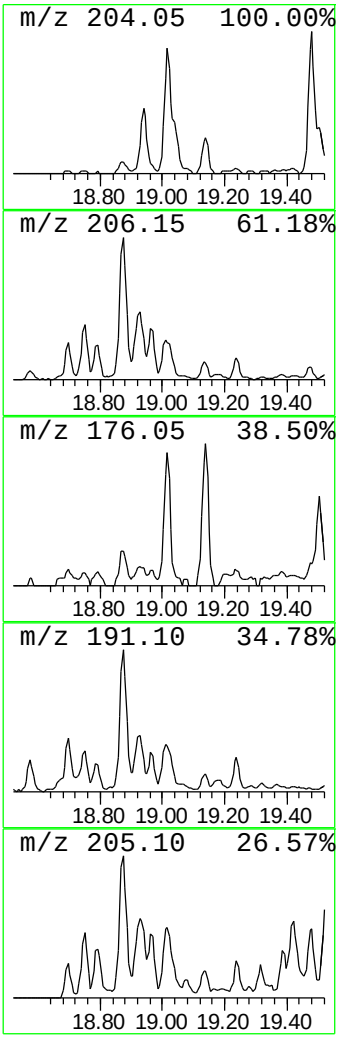
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	6.56 ng/ul	204064	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	92
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	55
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	42
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	38





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Sample : H1095-14
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC977

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Quant Title : SVOA CALIBRATION

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

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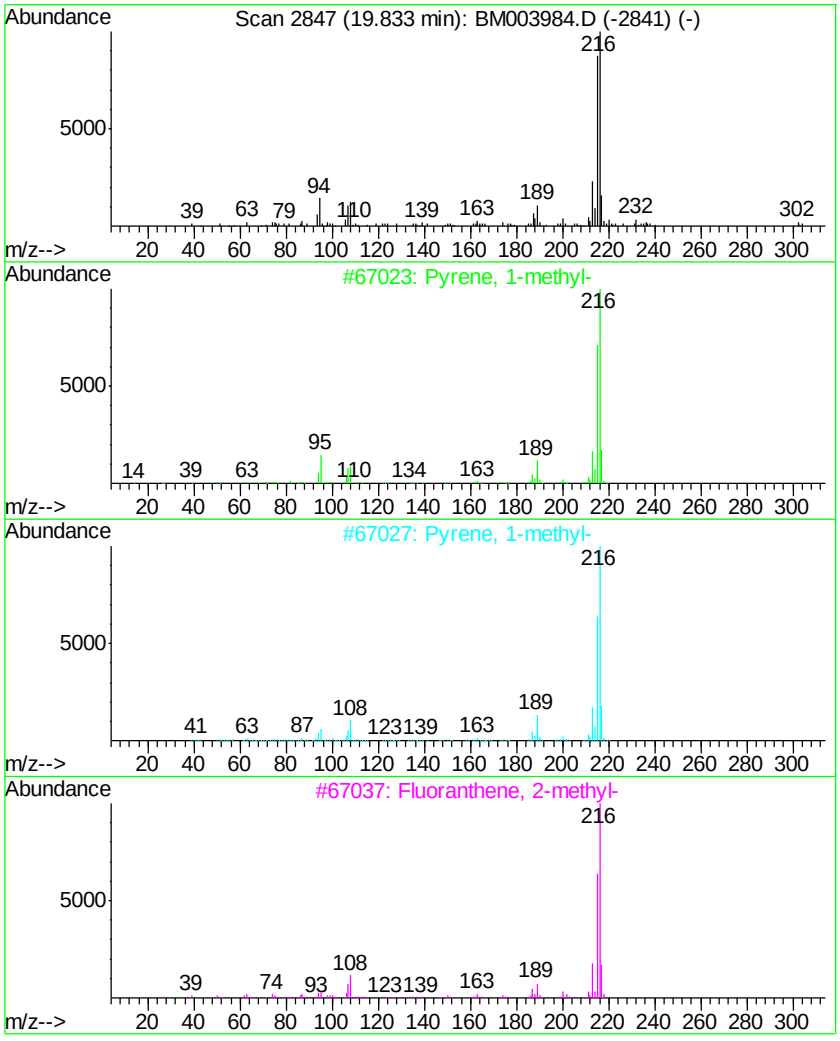
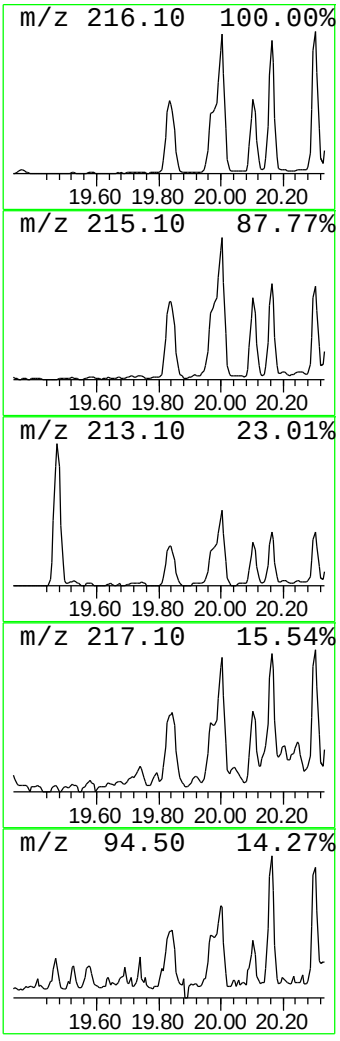
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	4.75 ng/ul	332813	Chrysene-d12	21.28

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	96
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92





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Acq On : 13 Jan 2016 10:14
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Sample : H1095-14
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC977

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Quant Title : SVOA CALIBRATION

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

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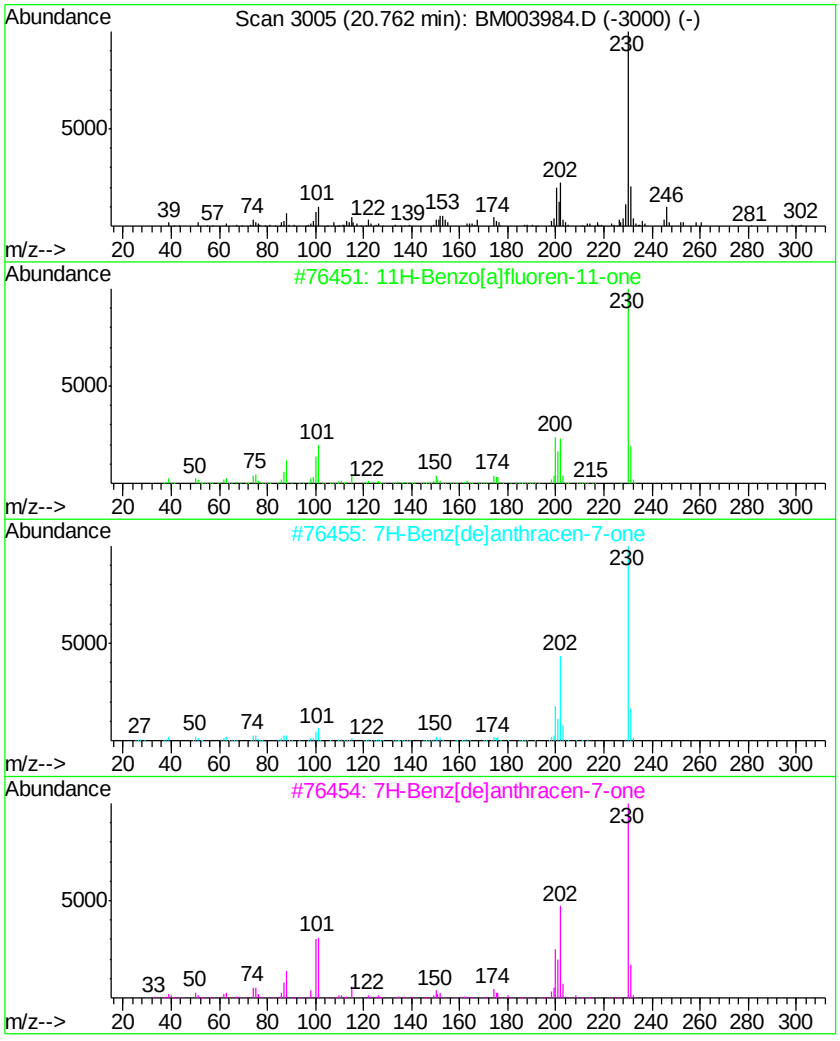
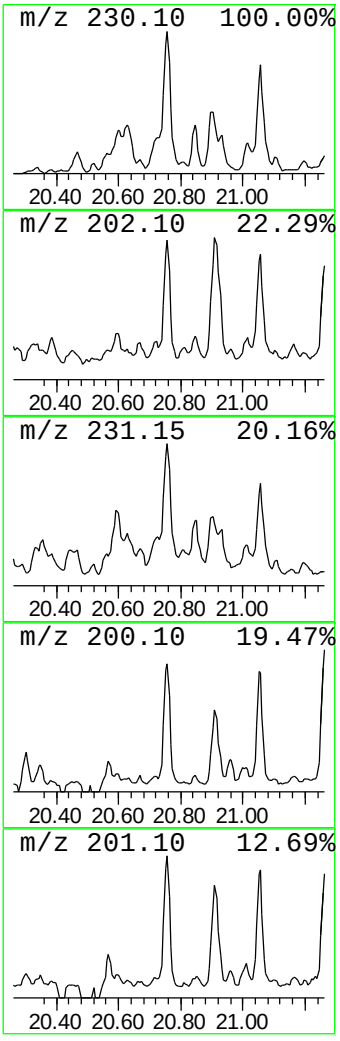
Peak Number 21 11H-Benzo[a]fluoren-11-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.76	2.99 ng/ul	209324	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
4	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	64
5	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	64





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Sample : H1095-14
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Instrument : BNA_M
ClientSampleId : BC977

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Quant Title : SVOA CALIBRATION

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

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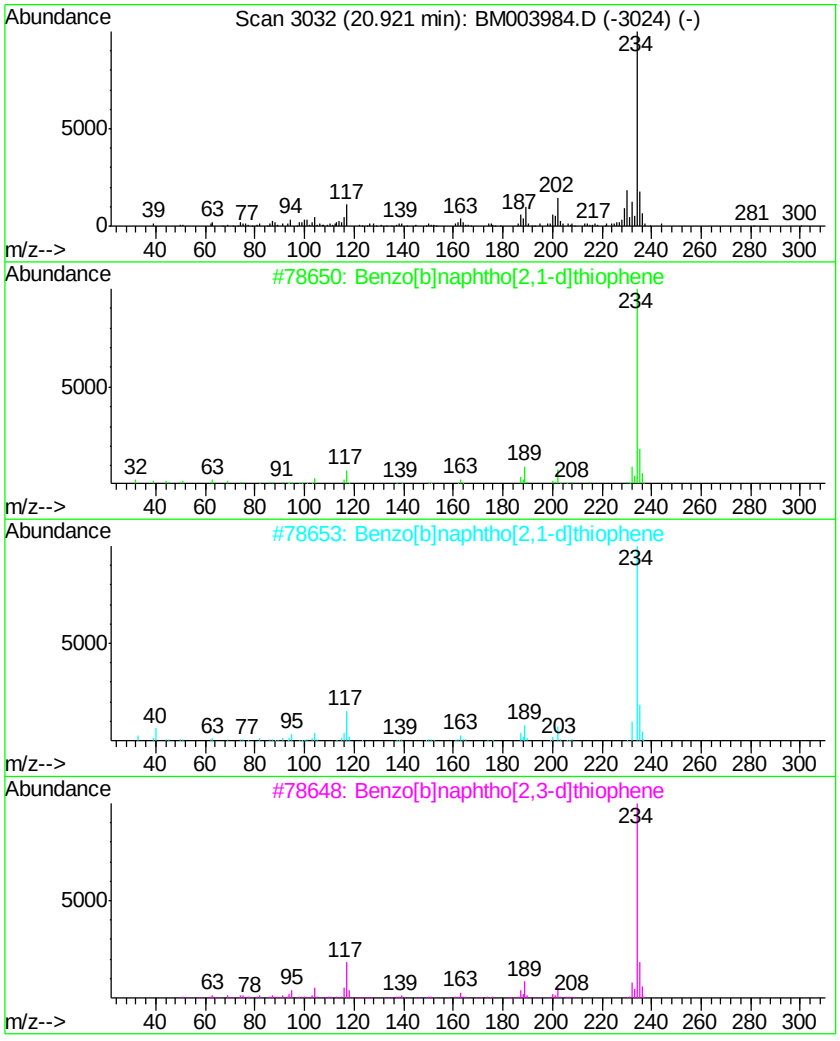
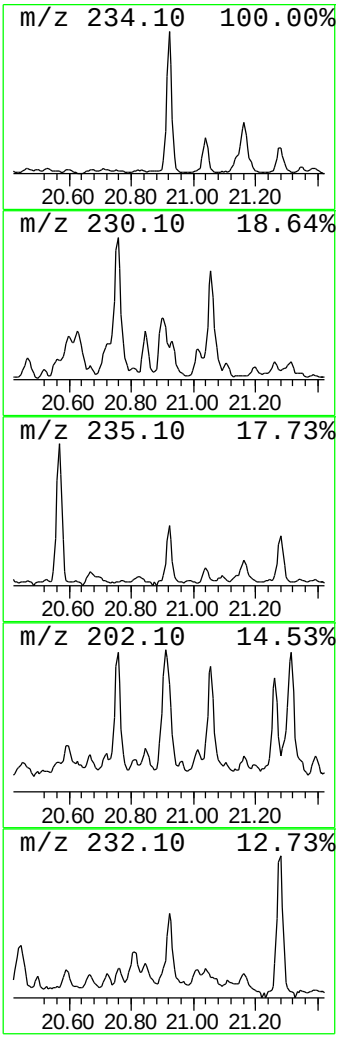
Peak Number 22 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.92	3.48 ng/ul	243570	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	87
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	81





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Quant Title : SVOA CALIBRATION

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

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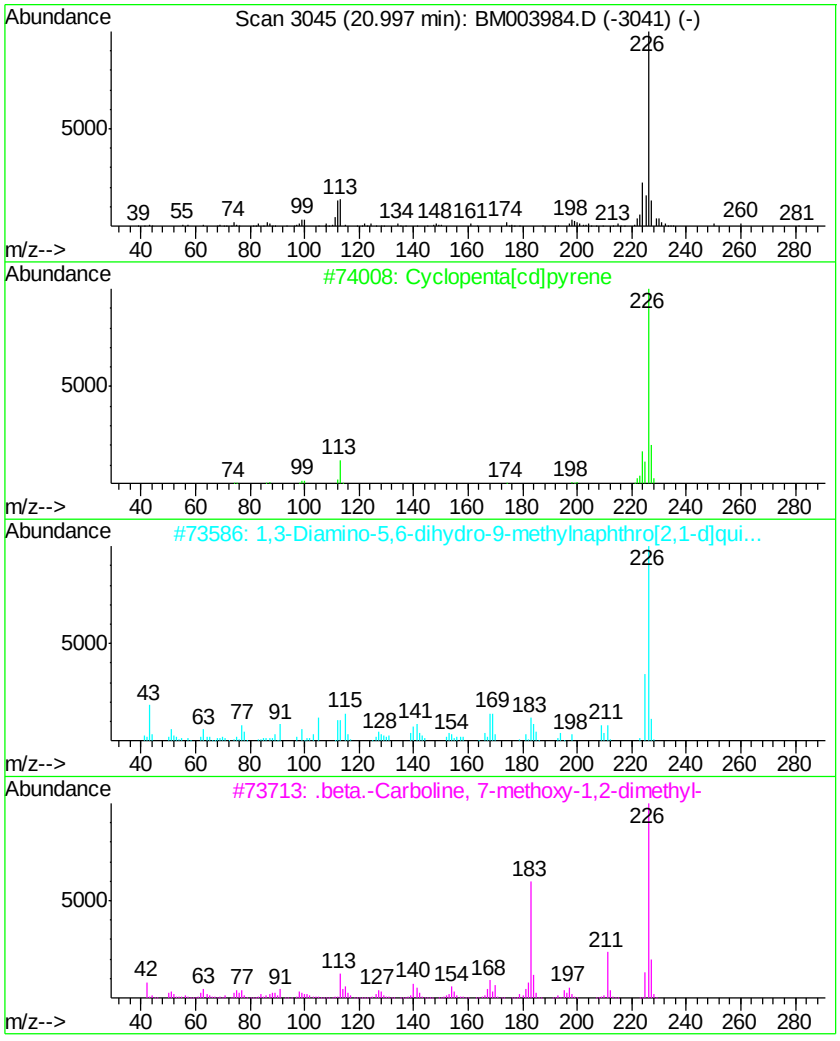
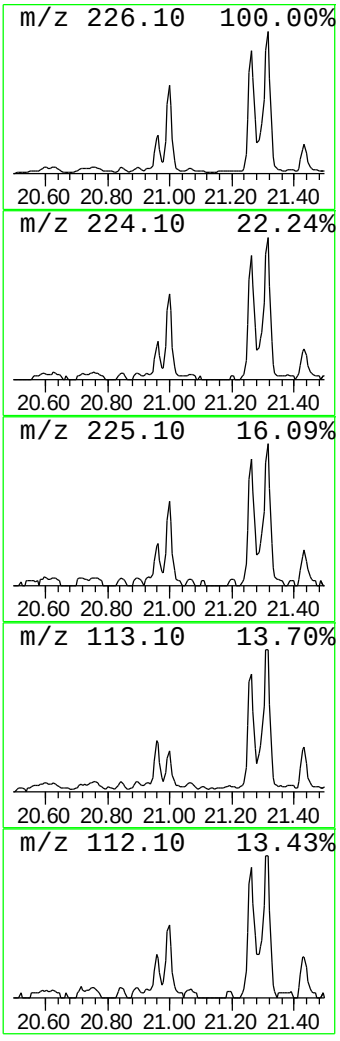
Peak Number 23 Cyclopenta[cd]pyrene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.00	2.57 ng/ul	179836	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	58
2	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	42
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	40
4	Anthracene, 1,8-diethynyl-	226	C18H10	078053-58-4	32
5	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	32





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Sample : H1095-14
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ClientSampleId : BC977

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Quant Title : SVOA CALIBRATION

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

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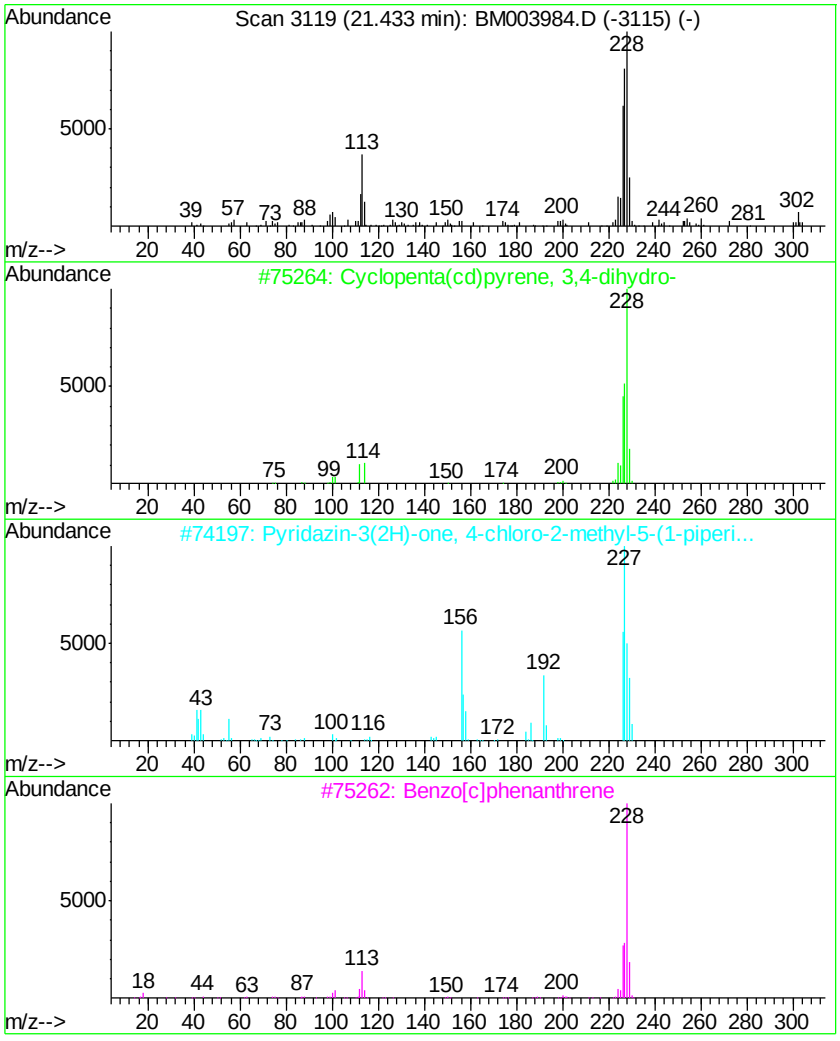
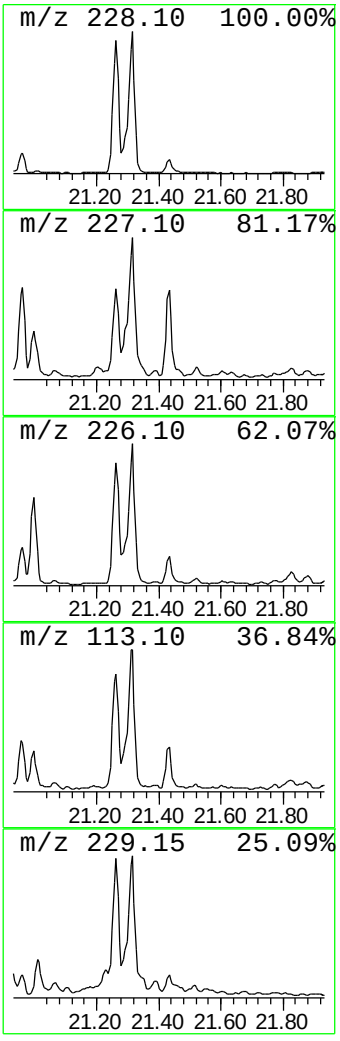
Peak Number 25 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.43	2.08 ng/ul	145896	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	87
2	Pyridazin-3(2H)-one, 4-chloro-2-...	227	C10H14ClN3O	001016-06-4	50
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	46
5	Triphenylene	228	C18H12	000217-59-4	43





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM011316\
Data File : BM003984.D
Acq On : 13 Jan 2016 10:14
Operator : SJ/UM
Sample : H1095-14
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC977

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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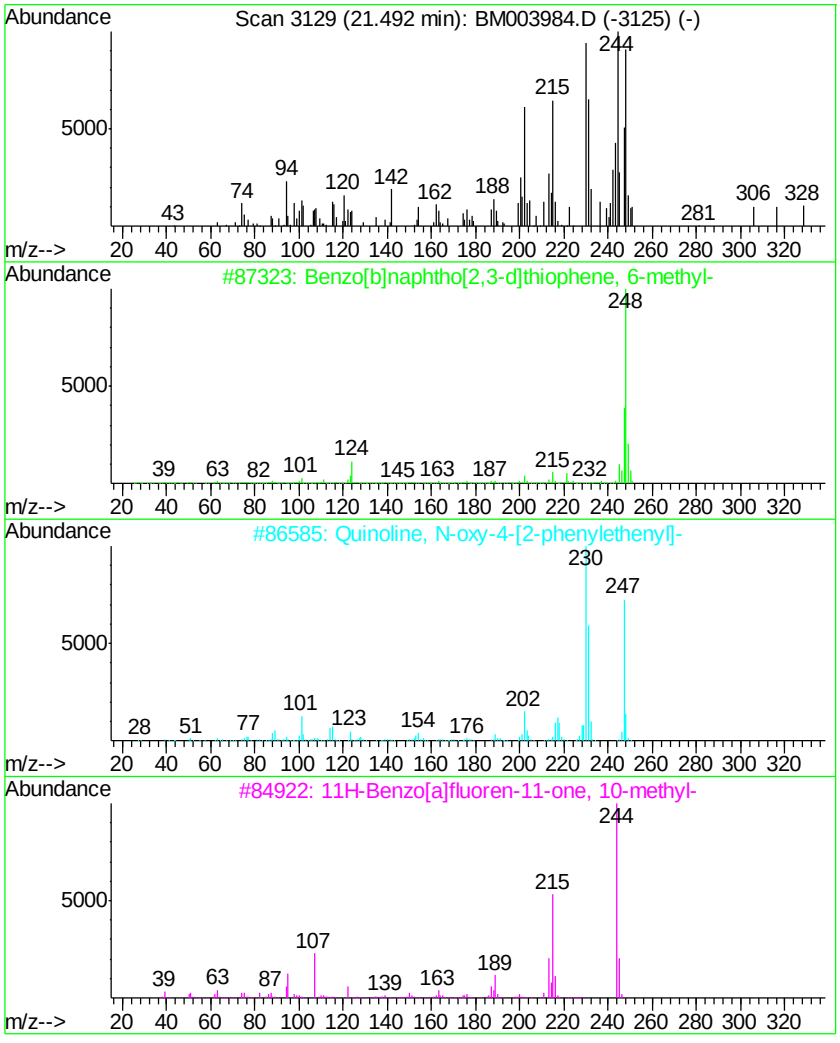
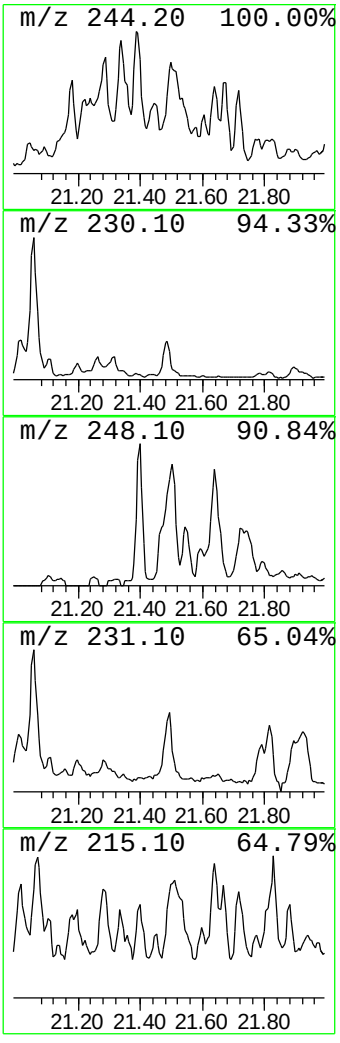
Peak Number 26 unknown-01 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.49	2.54 ng/ul	178279	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene,...	248	C17H12S	024360-63-2	46
2	Quinoline, N-oxy-4-[2-phenylethe...	247	C17H13NO	013244-22-9	42
3	11H-Benzo[a]fluoren-11-one, 10-m...	244	C18H12O	054811-45-9	35
4	1-Chloro-6-methoxyphenazine	244	C13H9ClN2O	007730-62-3	30
5	Benzene, 1-dimethylamino-4-(2-cy...	248	C17H16N2	001222-61-3	25





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Data File : BM003984.D
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Operator : SJ/UM
Sample : H1095-14
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC977

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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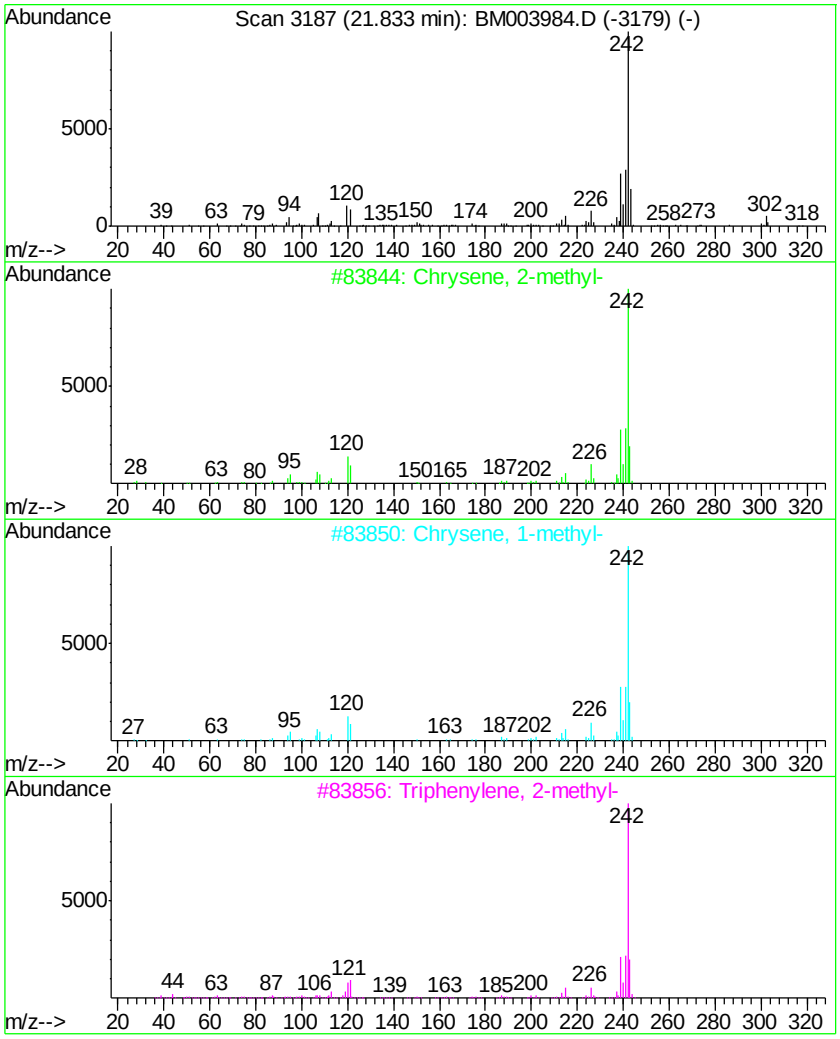
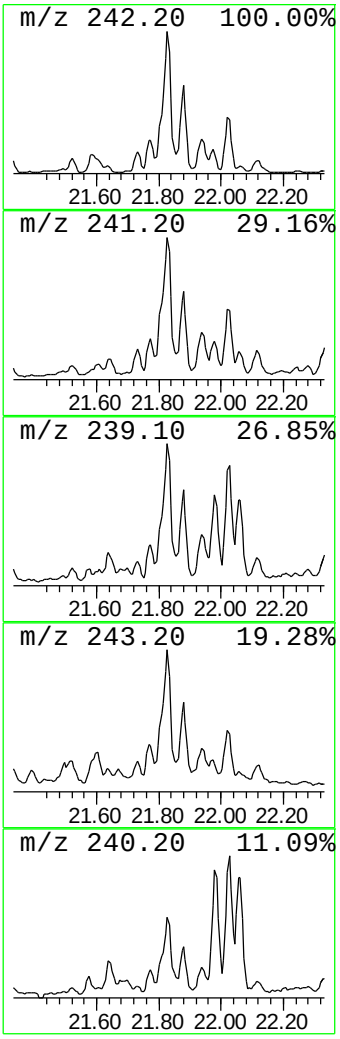
Peak Number 27 Chrysene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.83	3.90 ng/ul	272927	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 2-methyl-	242	C19H14	003351-32-4	94
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	94
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	91
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM011316\
Data File : BM003984.D
Acq On : 13 Jan 2016 10:14
Operator : SJ/UM
Sample : H1095-14
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC977

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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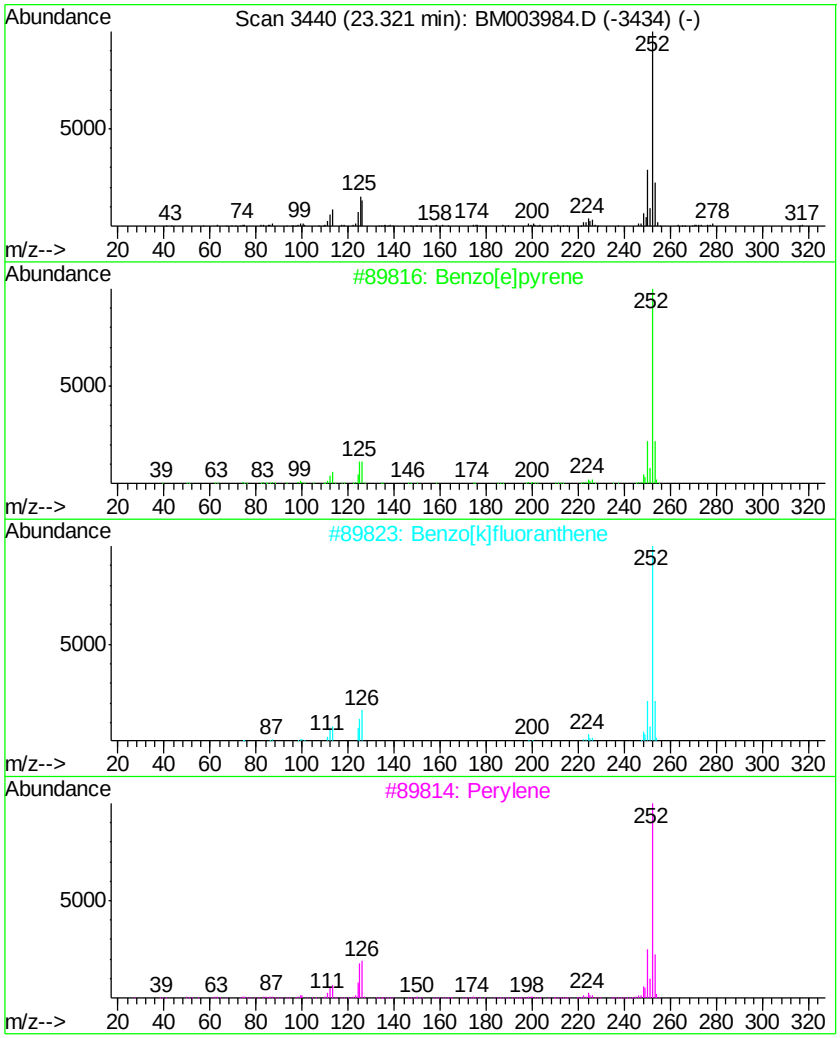
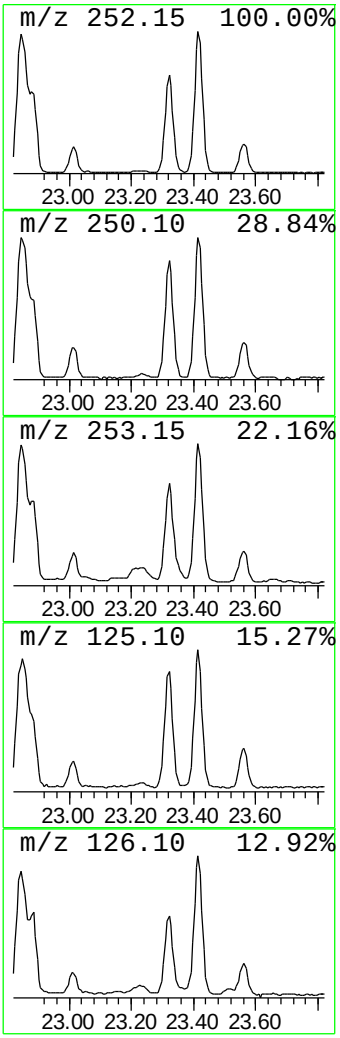
Peak Number 29 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.32	12.23 ng/ul	337600	Perylene-d12	23.52

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	98
3	Perylene	252	C20H12	000198-55-0	98
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	97
5	Perylene	252	C20H12	000198-55-0	94





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Acq On : 13 Jan 2016 10:14
Operator : SJ/UM
Sample : H1095-14
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC977

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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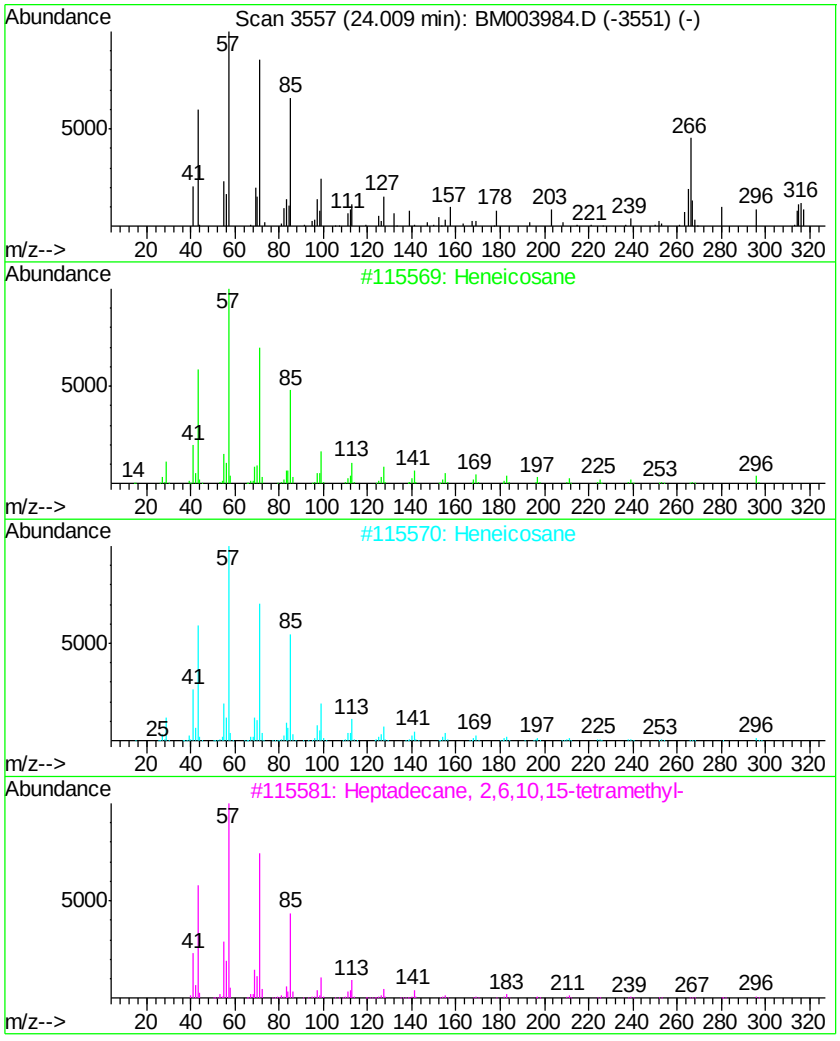
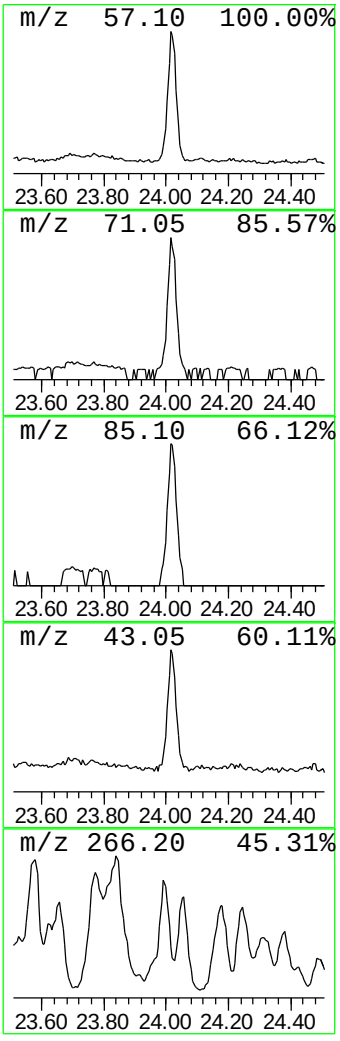
Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.01	2.42 ng/ul	66834	Perylene-d12	23.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	94
2	Heneicosane	296	C21H44	000629-94-7	93
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	89
4	Nonadecane	268	C19H40	000629-92-5	89
5	Hexadecane	226	C16H34	000544-76-3	76





Tentatively Identified Compound (LSC) summary

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Data File : BM003984.D
Acq On : 13 Jan 2016 10:14
Operator : SJ/UM
Sample : H1095-14
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC977

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.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
2-Pyrrolidinone	3.65	7.3	ng/ul	73665	1	7.66	201196	20.0
(DEL) Alkane: Str...	16.04	2.1	ng/ul	65841	4	17.07	621888	20.0
Anthracene, 2-met...	17.94	6.0	ng/ul	185697	4	17.07	621888	20.0
Phenanthrene, 2-m...	17.99	7.2	ng/ul	224295	4	17.07	621888	20.0
4H-Cyclopenta[def...	18.14	10.6	ng/ul	328396	4	17.07	621888	20.0
Naphthalene, 2-ph...	18.45	3.1	ng/ul	96505	4	17.07	621888	20.0
9,10-Anthracenedione	18.50	4.8	ng/ul	150925	4	17.07	621888	20.0
Phenanthrene, 2,5...	18.70	2.4	ng/ul	75823	4	17.07	621888	20.0
Phenanthrene, 1,7...	18.75	2.4	ng/ul	72948	4	17.07	621888	20.0
Pyrene, 4,5,9,10-...	18.93	4.8	ng/ul	149473	4	17.07	621888	20.0
Phenanthrene, 2,3...	18.96	2.0	ng/ul	62820	4	17.07	621888	20.0
Cyclopenta(def)ph...	19.02	6.6	ng/ul	204064	4	17.07	621888	20.0
Pyrene, 1-methyl-	19.83	4.8	ng/ul	332813	5	21.28	1401120	20.0
11H-Benzo[a]fluor...	20.76	3.0	ng/ul	209324	5	21.28	1401120	20.0
Benzo[b]naphtho[2...	20.92	3.5	ng/ul	243570	5	21.28	1401120	20.0
Cyclopenta[cd]pyrene	21.00	2.6	ng/ul	179836	5	21.28	1401120	20.0
Cyclopenta(cd)pyr...	21.43	2.1	ng/ul	145896	5	21.28	1401120	20.0
unknown-01	21.49	2.5	ng/ul	178279	5	21.28	1401120	20.0
Chrysene, 2-methyl-	21.83	3.9	ng/ul	272927	5	21.28	1401120	20.0
Benzo[e]pyrene	23.32	12.2	ng/ul	337600	6	23.52	552044	20.0
(DEL) Alkane: Str...	24.01	2.4	ng/ul	66834	6	23.52	552044	20.0