LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004037.D
Acq On : 15 Jan 2016 06:41
Operator : SJ/UM
Sample : H1099-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E0

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	91	96	104	rVB	22572	29611	3.42%	0.238%
2	6.846	633	639	650	rVB	118230	190717	22.04%	1.530%
3	6.998	660	665	676	rBB	100844	153844	17.78%	1.235%
4	7.198	693	699	707	rBB	126502	193247	22.33%	1.551%
5	7.663	772	778	785	rBB	148108	221369	25.58%	1.776%
6	8.375	893	899	909	rBB	76842	121914	14.09%	0.978%
7	8.487	912	918	923	rBB	11423	17577	2.03%	0.141%
8	8.822	969	975	983	rBV	124610	196473	22.71%	1.577%
9	9.539	1092	1097	1105	rBB	102842	163661	18.92%	1.313%
10	10.081	1183	1189	1198	rBV	154256	246275	28.46%	1.976%
11	10.451	1245	1252	1259	rBV	226940	371644	42.95%	2.982%
12	10.592	1270	1276	1291	rBV	102091	176882	20.44%	1.419%
13	13.727	1804	1809	1814	rVV	297688	430242	49.73%	3.452%
14	13.774	1814	1817	1824	rVB	129013	172638	19.95%	1.385%
15	14.010	1851	1857	1868	rBV	360991	531456	61.42%	4.265%
16	14.216	1888	1892	1896	rBB	18456	22197	2.57%	0.178%
17	14.322	1903	1910	1917	rBB2	344495	513061	59.30%	4.117%
18	14.539	1942	1947	1961	rBV	93379	150099	17.35%	1.204%
19	15.174	2049	2055	2060	rVB	33013	41949	4.85%	0.337%
20	15.316	2073	2079	2085	rVV	480762	668451	77.26%	5.364%
21	15.374	2085	2089	2094	rVB3	11584	16312	1.89%	0.131%
22	15.451	2097	2102	2108	rBV	93879	121035	13.99%	0.971%
23	15.557	2117	2120	2122	rVV2	6998	9715	1.12%	0.078%
24	15.580	2122	2124	2128	rVB3	8978	9893	1.14%	0.079%
25	16.039	2197	2202	2209	rBV	37246	64727	7.48%	0.519%
26	16.380	2252	2260	2263	rBV3	6756	13814	1.60%	0.111%
27	16.427	2263	2268	2274	rVB4	4696	10070	1.16%	0.081%
28	16.610	2296	2299	2303	rBV2	12075	15017	1.74%	0.121%
29	16.827	2331	2336	2341	rVV	16000	21200	2.45%	0.170%
30	16.886	2341	2346	2350	rVB4	7161	11452	1.32%	0.092%
31	17.068	2371	2377	2381	rBV	422104	597146	69.02%	4.792%
32	17.110	2381	2384	2389	rVV	136567	186139	21.51%	1.494%
33	17.168	2389	2394	2406	rVB2	508854	712438	82.34%	5.717%
34	17.651	2469	2476	2480	rBB	7292	9789	1.13%	0.079%

LSC Area Percent Report

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Acq On : 15 Jan 2016 06:41
Operator : SJ/UM
Sample : H1099-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E0

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	17.945	2521	2526	2531	rBV	46591	76306	8.82%	0.612%
36	17.992	2531	2534	2540	rVV	55167	71304	8.24%	0.572%
37	18.074	2544	2548	2553	rBV2	10384	14335	1.66%	0.115%
38	18.139	2553	2559	2563	rVV2	53547	100341	11.60%	0.805%
39	18.180	2563	2566	2571	rVB	37346	48034	5.55%	0.385%
40	18.451	2607	2612	2616	rBV	24914	32600	3.77%	0.262%
41	18.492	2616	2619	2625	rVV2	20985	30064	3.47%	0.241%
42	18.698	2651	2654	2659	rVB3	12940	17417	2.01%	0.140%
43	18.751	2659	2663	2666	rBV	13873	16343	1.89%	0.131%
44	18.792	2666	2670	2674	rVB2	7728	10630	1.23%	0.085%
45	18.874	2678	2684	2689	rBV	42314	66440	7.68%	0.533%
46	18.933	2689	2694	2697	rVV3	18523	34664	4.01%	0.278%
47	18.962	2697	2699	2703	rVB	11853	13027	1.51%	0.105%
48	19.015	2703	2708	2720	rVB5	23632	56897	6.58%	0.457%
49	19.139	2724	2729	2734	rVB	229464	296643	34.28%	2.380%
50	19.239	2743	2746	2751	rVB3	11752	15391	1.78%	0.124%
51	19.339	2757	2763	2766	rBV5	7696	12543	1.45%	0.101%
52	19.474	2780	2786	2789	rBV2	608214	865239	100.00%	6.943%
53	19.504	2789	2791	2799	rVB	276521	313452	36.23%	2.515%
54	19.580	2799	2804	2810	rVB2	15994	25288	2.92%	0.203%
55	19.680	2810	2821	2828	rBV4	8015	24496	2.83%	0.197%
56	19.739	2828	2831	2837	rVB3	10341	16128	1.86%	0.129%
57	19.833	2841	2847	2858	rVB3	27249	66693	7.71%	0.535%
58	19.968	2865	2870	2871	rBV3	23075	28388	3.28%	0.228%
59	20.003	2871	2876	2885	rVB2	45416	83290	9.63%	0.668%
60	20.103	2889	2893	2897	rBV	26678	30960	3.58%	0.248%
61	20.162	2897	2903	2907	rBV3	40498	56078	6.48%	0.450%
62	20.303	2922	2927	2930	rBV	32067	40680	4.70%	0.326%
63	20.345	2930	2934	2938	rBV	32556	41665	4.82%	0.334%
64	20.392	2938	2942	2947	rVB4	5400	9467	1.09%	0.076%
65	20.462	2949	2954	2959	rBV6	7421	14131	1.63%	0.113%
66	20.515	2959	2963	2967	rBV5	6832	9728	1.12%	0.078%
67	20.627	2979	2982	2987	rVB2	9372	13997	1.62%	0.112%
68	20.721	2992	2998	3000	rBV4	9473	15558	1.80%	0.125%
69	20.756	3000	3004	3009	rVB	26613	40433	4.67%	0.324%
70	20.845	3016	3019	3024	rVB2	8261	10469	1.21%	0.084%
71	20.921	3024	3032	3035	rBV3	25917	51618	5.97%	0.414%

LSC Area Percent Report

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Sample : H1099-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E0

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

72	20.980	3035	3042	3050	rBV6	108622	202583	23.41%	1.626%
73	21.050	3050	3054	3063	rVB2	24090	41656	4.81%	0.334%
74	21.274	3084	3092	3096	rBV2	507340	809785	93.59%	6.498%
75	21.309	3096	3098	3108	rVB	131777	162766	18.81%	1.306%
76	21.392	3108	3112	3115	rBV3	11631	16607	1.92%	0.133%
77	21.427	3115	3118	3124	rVB3	15655	21376	2.47%	0.172%
78	21.486	3124	3128	3131	rBV4	8046	11731	1.36%	0.094%
79	21.592	3141	3146	3151	rBV6	9182	17408	2.01%	0.140%
80	21.633	3151	3153	3157	rVB3	8637	9941	1.15%	0.080%
81	21.727	3164	3169	3173	rBV6	7105	11104	1.28%	0.089%
82	21.768	3173	3176	3179	rBV2	9093	12451	1.44%	0.100%
83	21.827	3179	3186	3189	rVV	37072	64942	7.51%	0.521%
84	21.874	3189	3194	3201	rVB2	30278	59272	6.85%	0.476%
85	21.945	3202	3206	3209	rVB3	8834	11556	1.34%	0.093%
86	22.021	3215	3219	3222	rBV2	21635	27458	3.17%	0.220%
87	22.121	3231	3236	3240	rVB5	13508	20312	2.35%	0.163%
88	22.309	3264	3268	3273	rVV5	16479	28333	3.27%	0.227%
89	22.839	3349	3358	3363	rBV2	71669	201076	23.24%	1.614%
90	23.009	3383	3387	3392	rBV	13622	22898	2.65%	0.184%
91	23.315	3434	3439	3442	rBV	42875	73479	8.49%	0.590%
92	23.368	3442	3448	3453	rVV	354313	635047	73.40%	5.096%
93	23.415	3453	3456	3462	rVB	70540	110632	12.79%	0.888%
94	23.509	3464	3472	3479	rBV2	274990	520543	60.16%	4.177%
95	24.009	3553	3557	3567	rVB3	24791	49881	5.76%	0.400%
96	24.750	3677	3683	3689	rBV2	16945	32767	3.79%	0.263%
97	25.609	3823	3829	3837	rVB2	12805	32466	3.75%	0.261%
98	25.750	3846	3853	3867	rVB2	29916	86639	10.01%	0.695%
99	26.444	3964	3971	3982	rVB2	16132	47375	5.48%	0.380%
100	26.621	3994	4001	4016	rVB5	11072	36892	4.26%	0.296%

Sum of corrected areas: 12461767

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Sample : H1099-14
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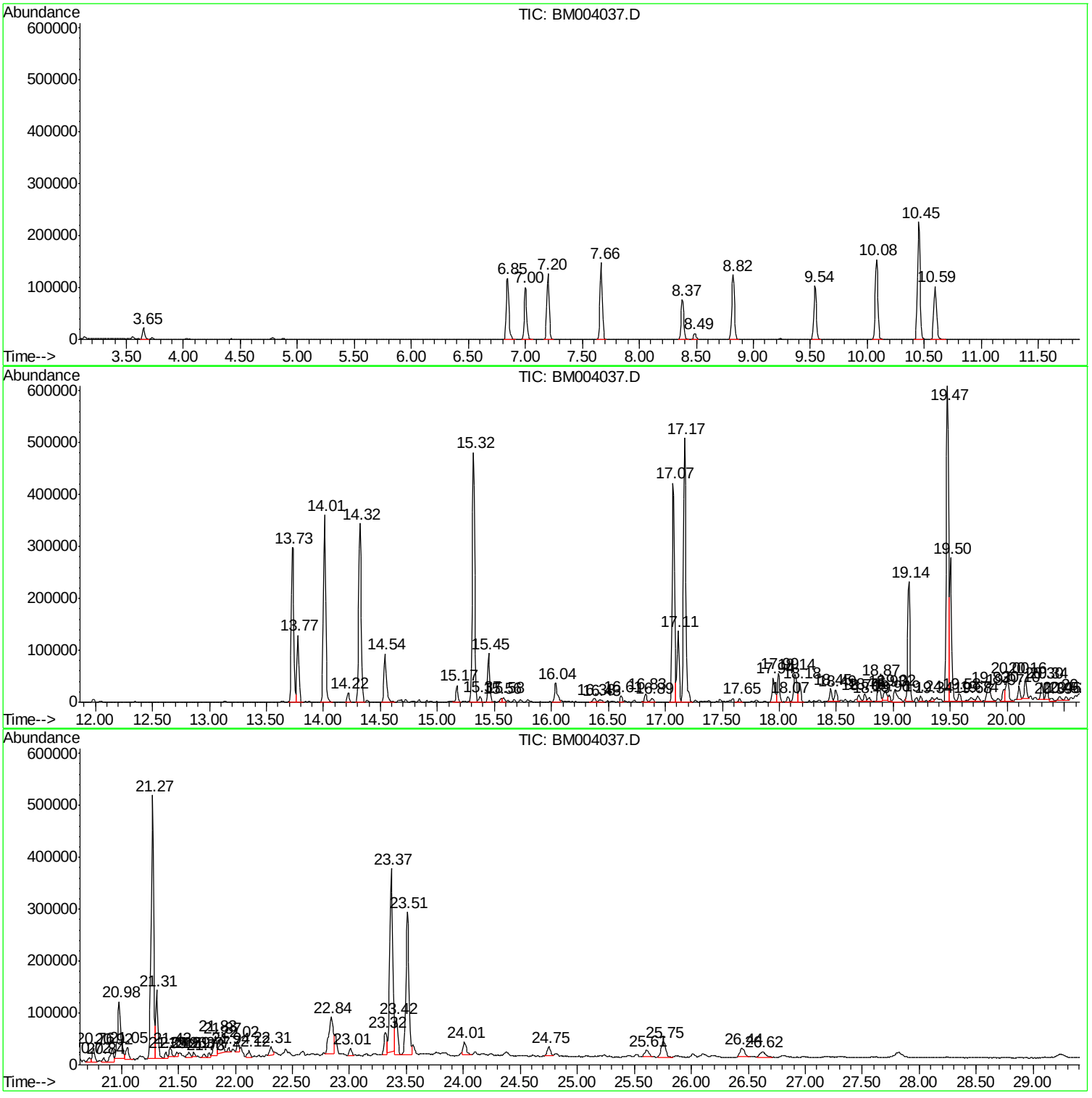
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BC9E0

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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Sample : H1099-14
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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

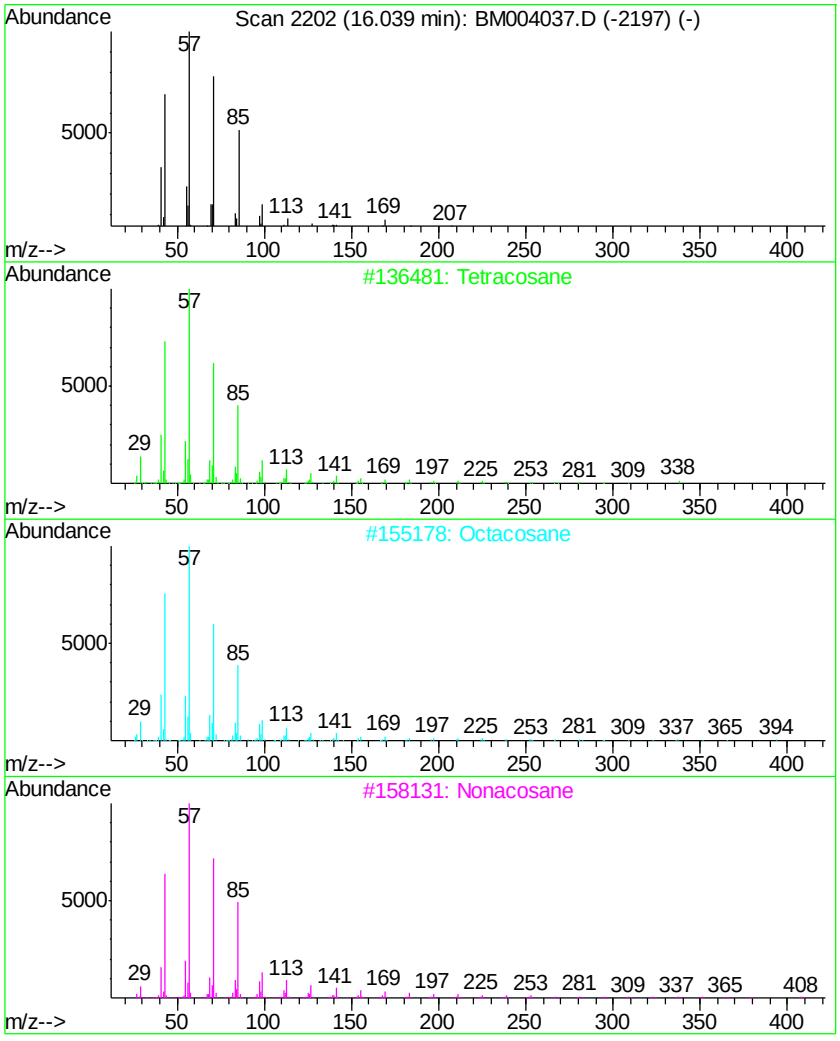
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

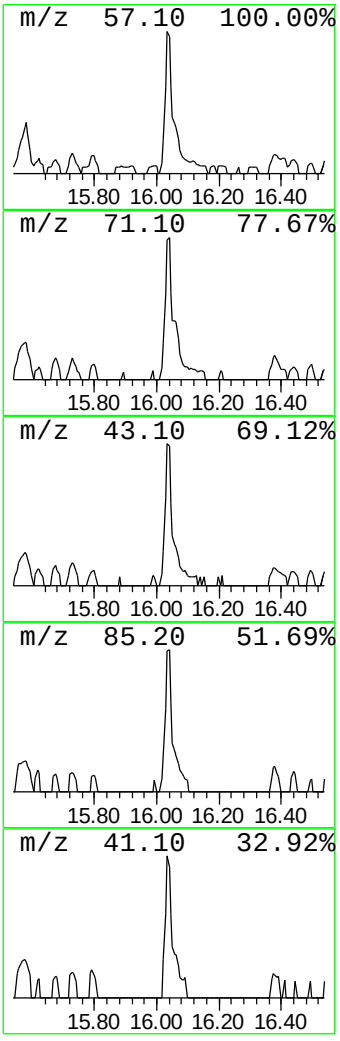
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	2.17 ng/ul	64727	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	87
2	Octacosane	394	C28H58	000630-02-4	87
3	Nonacosane	408	C29H60	000630-03-5	86
4	Heptadecane	240	C17H36	000629-78-7	80
5	Pentadecane	212	C15H32	000629-62-9	80





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004037.D
Acq On : 15 Jan 2016 06:41
Operator : SJ/UM
Sample : H1099-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E0

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

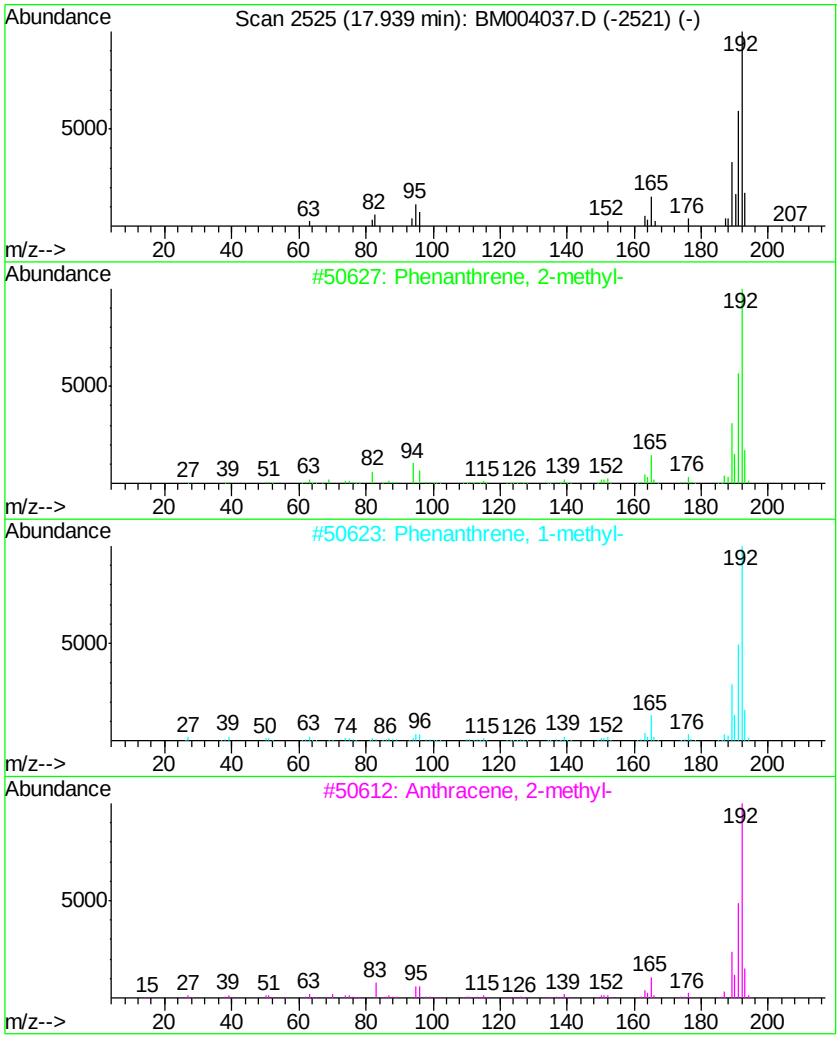
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

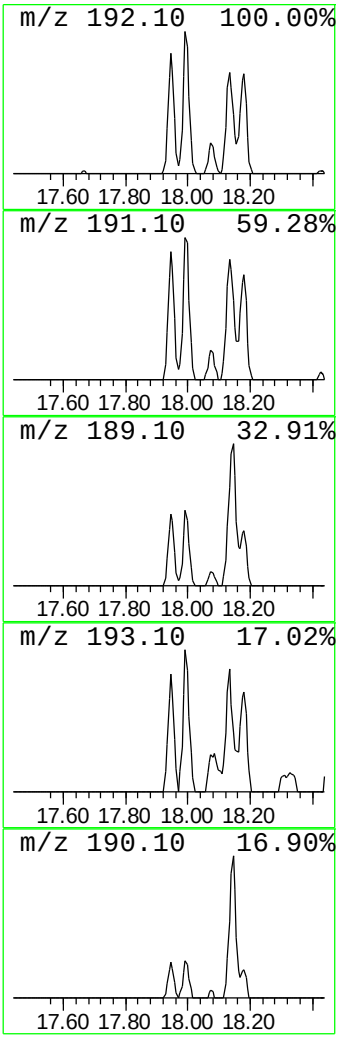
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	2.56 ng/ul	76306	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004037.D
Acq On : 15 Jan 2016 06:41
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Sample : H1099-14
Misc :
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Instrument : BNA_M
ClientSampleId : BC9E0

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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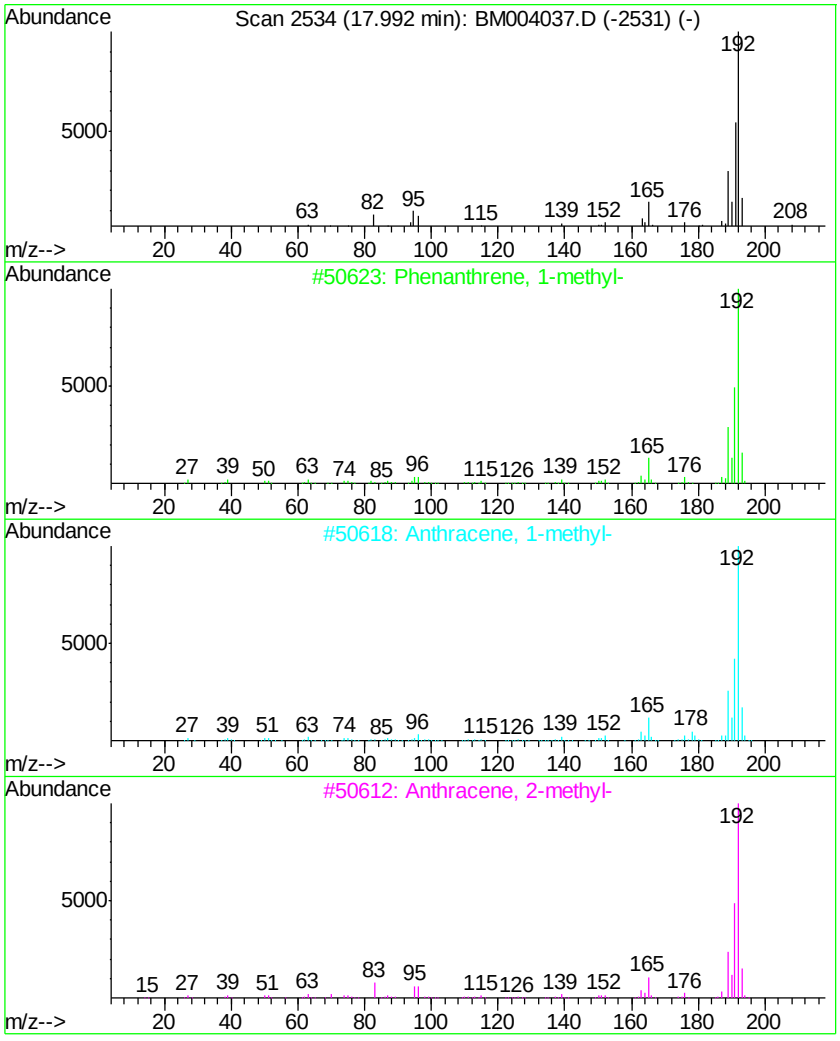
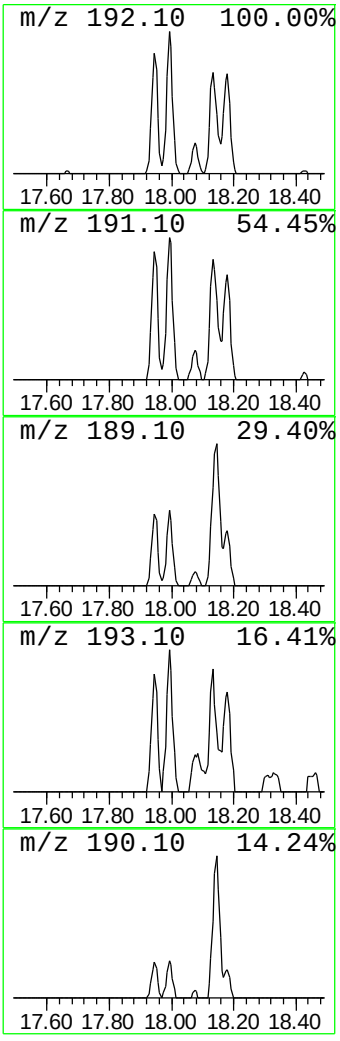
Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	2.39 ng/ul	71304	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
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Operator : SJ/UM
Sample : H1099-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E0

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

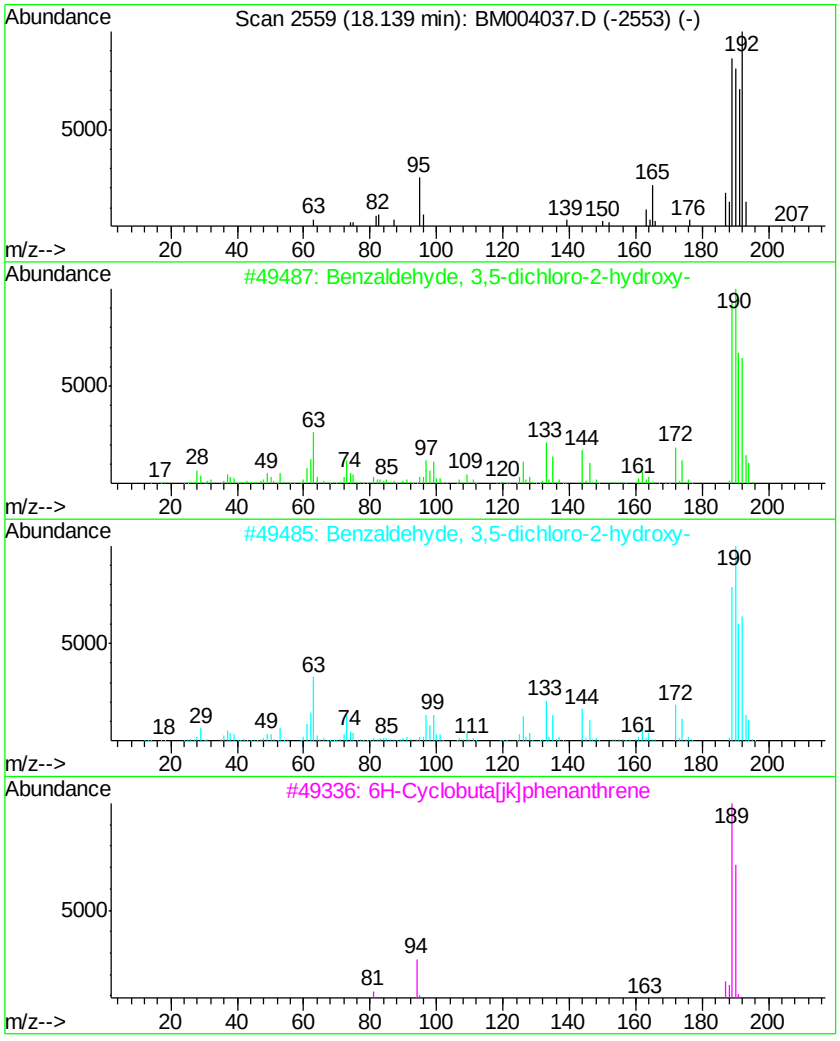
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

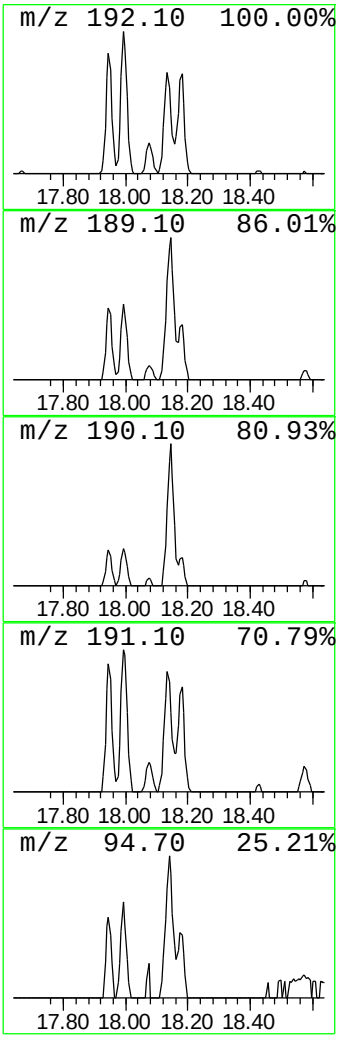
****

Peak Number 5 Benzaldehyde, 3,5-dichloro-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	3.36 ng/ul	100341	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	58
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	58
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	46
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	46





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Data File : BM004037.D
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Operator : SJ/UM
Sample : H1099-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E0

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

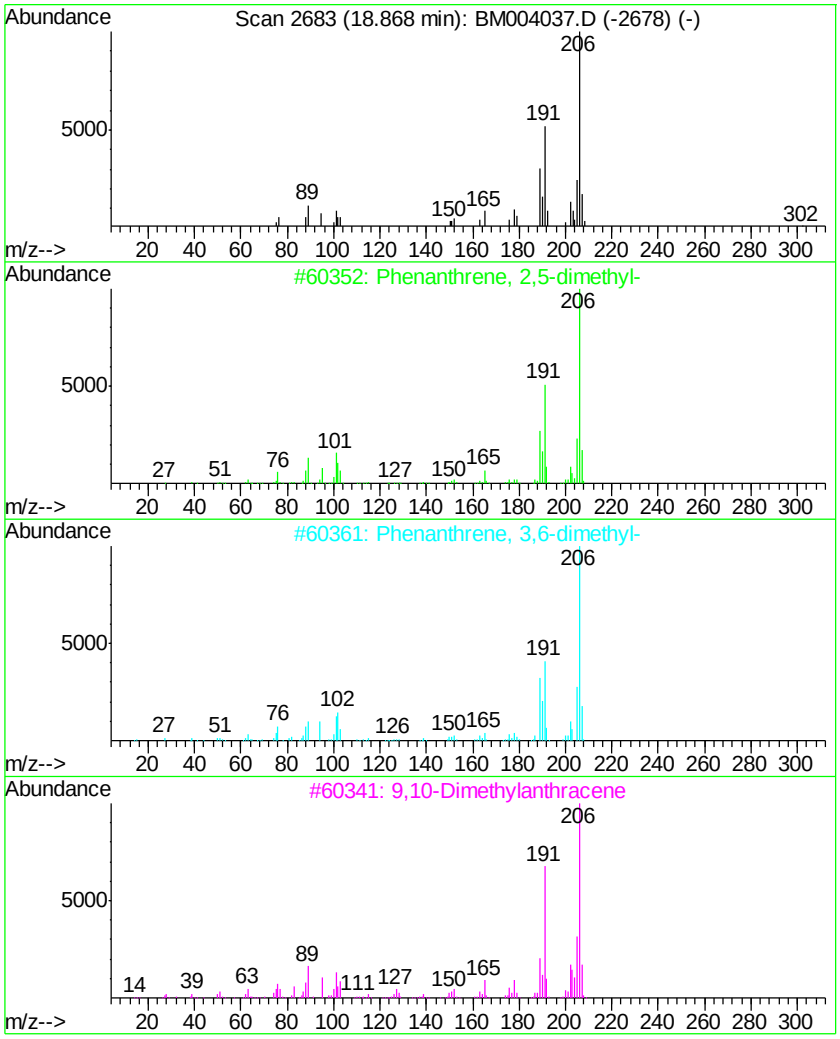
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

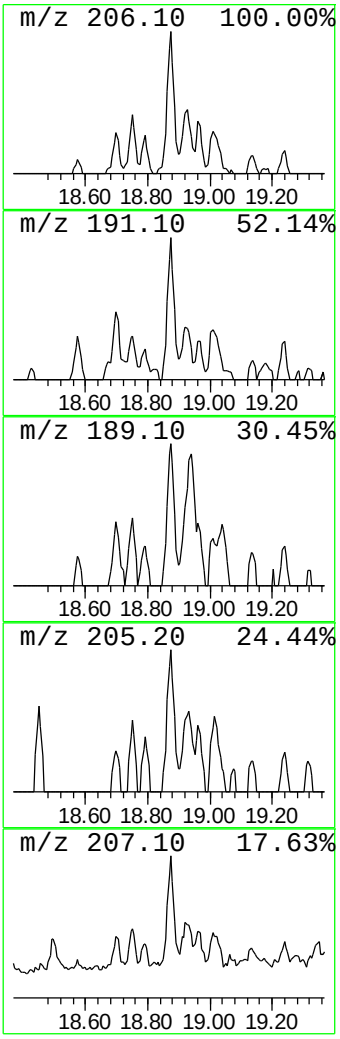
****

Peak Number 6 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	2.23 ng/ul	66440	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004037.D
Acq On : 15 Jan 2016 06:41
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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E0

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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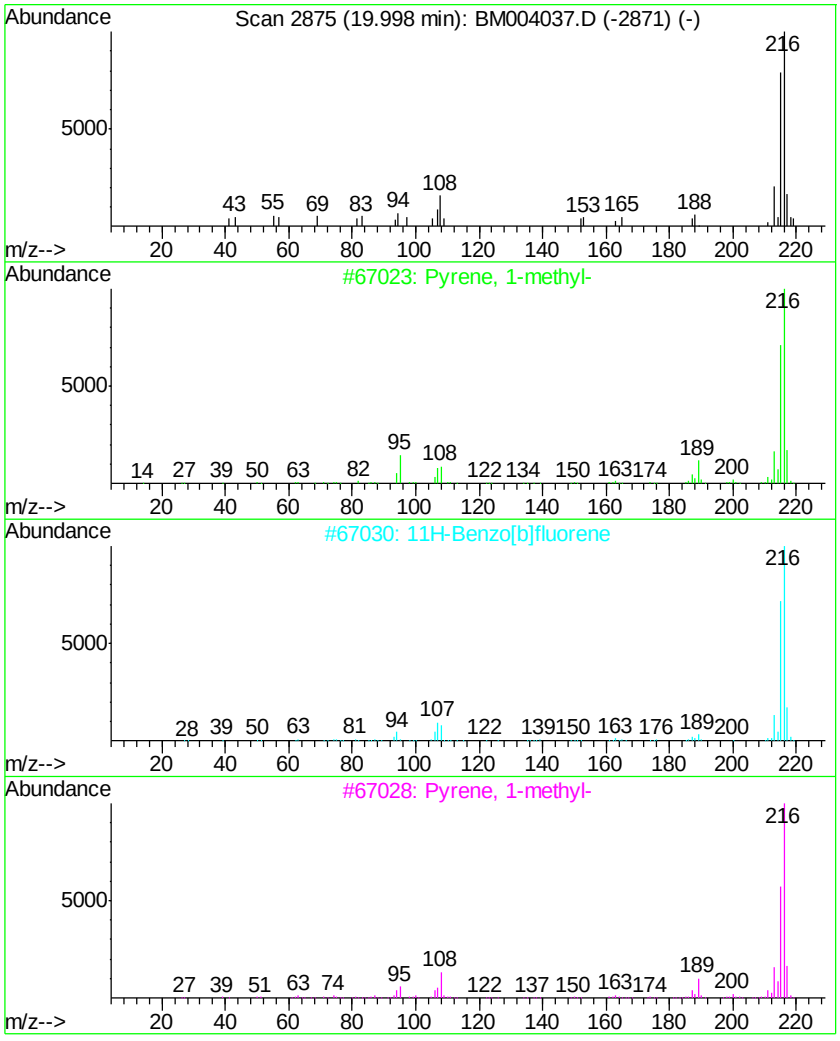
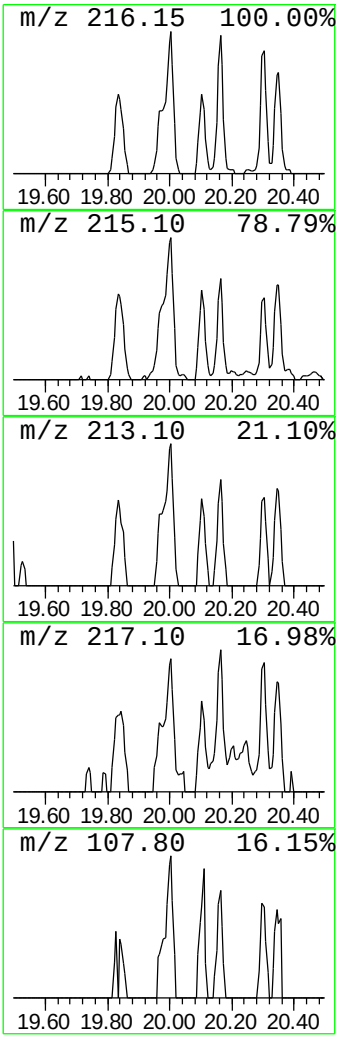
Peak Number 7 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	2.06 ng/ul	83290	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	78





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004037.D
Acq On : 15 Jan 2016 06:41
Operator : SJ/UM
Sample : H1099-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E0

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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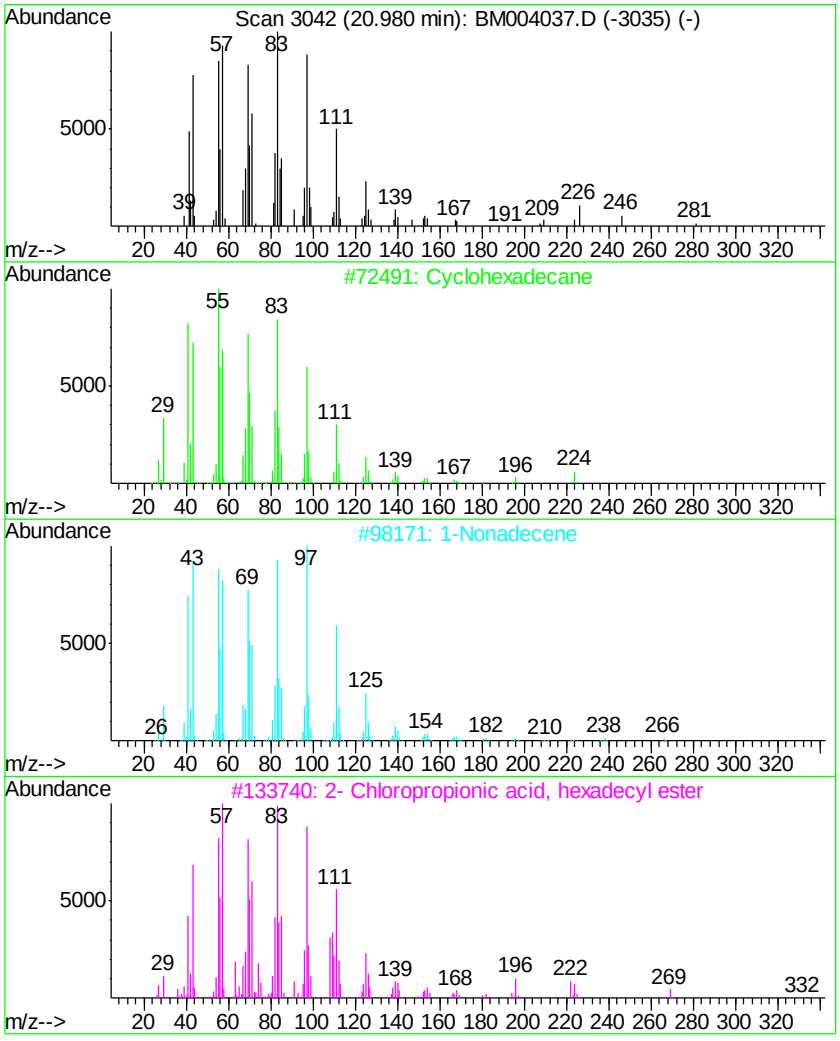
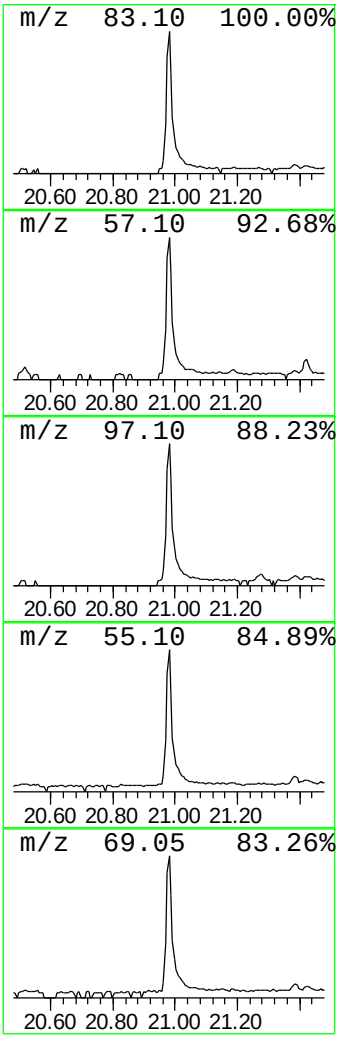
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.98	5.00 ng/ul	202583	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	98
2	1-Nonadecene	266	C19H38	018435-45-5	94
3	2- Chloropropionic acid, hexadec...	332	C19H37ClO2	086711-81-1	94
4	Trifluoroacetic acid, n-heptadec...	324	C17H31F3O2	1000216-79-2	91
5	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004037.D
Acq On : 15 Jan 2016 06:41
Operator : SJ/UM
Sample : H1099-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E0

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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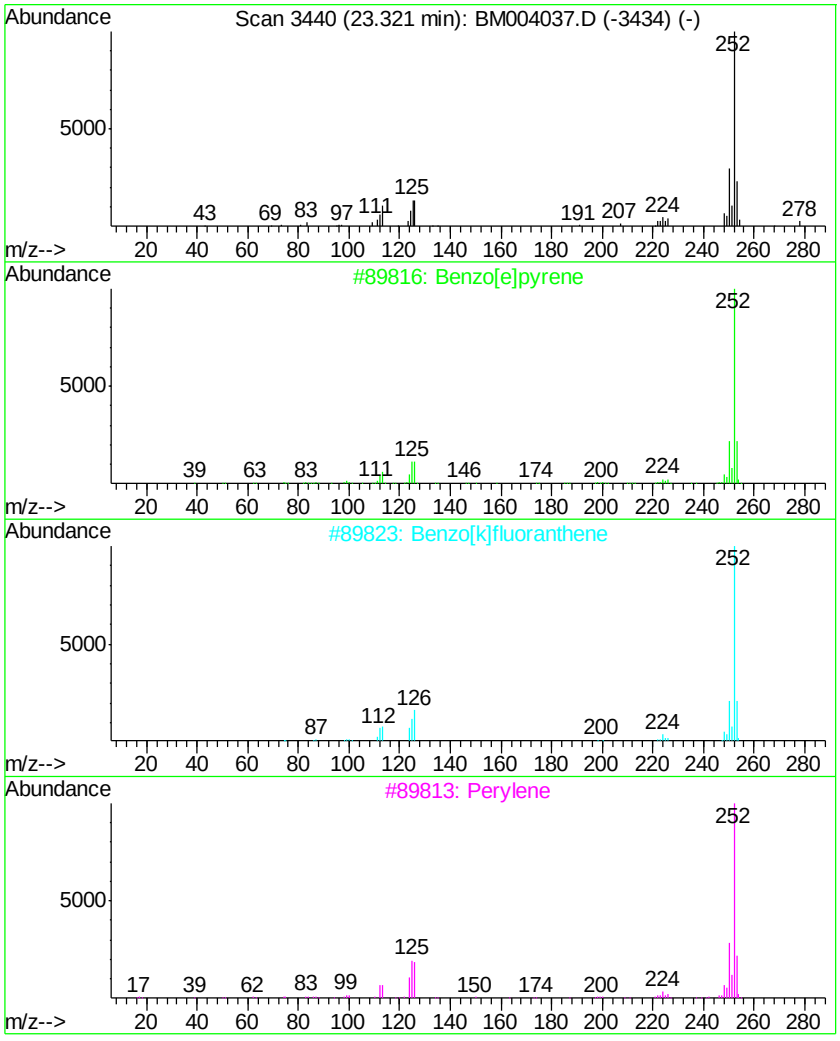
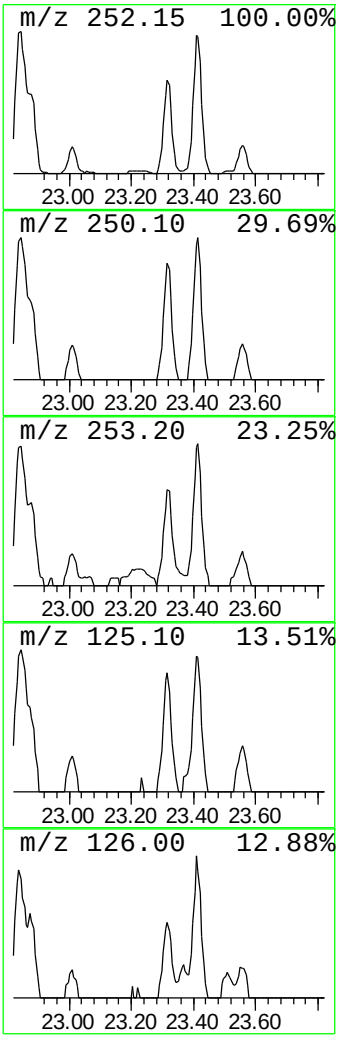
Peak Number 9 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.32	2.82 ng/ul	73479	Perylene-d12	23.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004037.D
Acq On : 15 Jan 2016 06:41
Operator : SJ/UM
Sample : H1099-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E0

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
(DEL) Alkane: Str...	16.04	2.2	ng/ul	64727	4	17.07	597146	20.0
Phenanthrene, 2-m...	17.94	2.6	ng/ul	76306	4	17.07	597146	20.0
Phenanthrene, 1-m...	17.99	2.4	ng/ul	71304	4	17.07	597146	20.0
Benzaldehyde, 3,5...	18.14	3.4	ng/ul	100341	4	17.07	597146	20.0
Phenanthrene, 2,5...	18.87	2.2	ng/ul	66440	4	17.07	597146	20.0
Pyrene, 1-methyl-	20.00	2.1	ng/ul	83290	5	21.27	809785	20.0
(DEL) Alkane: Str...	20.98	5.0	ng/ul	202583	5	21.27	809785	20.0
Benzo[e]pyrene	23.32	2.8	ng/ul	73479	6	23.51	520543	20.0