LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004031.D
Acq On : 15 Jan 2016 03:06
Operator : SJ/UM
Sample : H1099-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E3

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	4.787	282	289	295	rVB2	12450	18155	2.16%	0.158%
2	6.845	632	639	648	rBB	84753	134645	16.03%	1.174%
3	6.998	660	665	674	rBB	68808	103382	12.31%	0.901%
4	7.198	693	699	707	rBB	93178	140839	16.77%	1.228%
5	7.663	772	778	785	rBB	146461	221208	26.34%	1.928%
6	8.375	894	899	908	rBB	101202	155117	18.47%	1.352%
7	8.822	969	975	981	rBV	82372	130723	15.56%	1.140%
8	8.887	981	986	990	rVB	14237	19714	2.35%	0.172%
9	9.539	1092	1097	1104	rBB	66746	105042	12.51%	0.916%
10	10.081	1183	1189	1199	rBB	111026	178155	21.21%	1.553%
11	10.451	1245	1252	1259	rBV	227393	367385	43.74%	3.203%
12	10.592	1271	1276	1285	rBV	53676	86246	10.27%	0.752%
13	13.727	1804	1809	1814	rVV	209362	286123	34.07%	2.494%
14	13.774	1814	1817	1824	rVB	94878	121390	14.45%	1.058%
15	14.010	1851	1857	1869	rBB	253919	367635	43.77%	3.205%
16	14.216	1889	1892	1897	rVB	13460	16168	1.93%	0.141%
17	14.321	1904	1910	1917	rVB2	335932	505217	60.15%	4.404%
18	14.545	1943	1948	1961	rBB	49609	83301	9.92%	0.726%
19	15.174	2050	2055	2061	rBB	22947	28501	3.39%	0.248%
20	15.316	2073	2079	2085	rBV	327854	458240	54.56%	3.995%
21	15.368	2085	2088	2095	rVB	8544	12348	1.47%	0.108%
22	15.451	2098	2102	2107	rBV	45447	59597	7.10%	0.520%
23	16.039	2197	2202	2209	rBV2	28790	51162	6.09%	0.446%
24	16.380	2254	2260	2264	rBV3	9002	17760	2.11%	0.155%
25	16.439	2264	2270	2276	rVB7	6414	16160	1.92%	0.141%
26	16.792	2326	2330	2333	rBV3	15800	18354	2.19%	0.160%
27	16.827	2333	2336	2340	rVV	13165	15932	1.90%	0.139%
28	17.068	2371	2377	2381	rBV	427577	598627	71.28%	5.218%
29	17.110	2381	2384	2389	rVV	167380	223631	26.63%	1.949%
30	17.168	2389	2394	2398	rVV	348552	478900	57.02%	4.175%
31	17.204	2398	2400	2405	rVB	28713	32302	3.85%	0.282%
32	17.480	2437	2447	2450	rVV2	11475	18522	2.21%	0.161%
33	17.945	2520	2526	2530	rVV	34712	51045	6.08%	0.445%
34	17.992	2530	2534	2539	rVV	44896	60252	7.17%	0.525%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004031.D
Acq On : 15 Jan 2016 03:06
Operator : SJ/UM
Sample : H1099-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E3

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	18.074	2544	2548	2553	rVV	9763	13599	1.62%	0.119%
36	18.139	2553	2559	2563	rVV3	47408	89259	10.63%	0.778%
37	18.180	2563	2566	2571	rVV	26828	34476	4.10%	0.301%
38	18.451	2605	2612	2616	rBV	21471	28227	3.36%	0.246%
39	18.492	2616	2619	2625	rVB2	19937	27822	3.31%	0.243%
40	18.751	2659	2663	2666	rBV	13487	13130	1.56%	0.114%
41	18.874	2677	2684	2689	rBV	35856	63760	7.59%	0.556%
42	18.933	2689	2694	2697	rVV3	14104	28491	3.39%	0.248%
43	18.962	2697	2699	2703	rVB	12007	12755	1.52%	0.111%
44	19.015	2703	2708	2716	rVB4	16731	31876	3.80%	0.278%
45	19.139	2720	2729	2736	rBV	332272	446962	53.22%	3.896%
46	19.239	2742	2746	2751	rVB2	9666	13217	1.57%	0.115%
47	19.380	2767	2770	2780	rVB4	10520	21344	2.54%	0.186%
48	19.474	2780	2786	2789	rBV	427822	658264	78.38%	5.738%
49	19.503	2789	2791	2799	rVB	320028	353159	42.05%	3.079%
50	19.580	2799	2804	2810	rVB2	18600	28088	3.34%	0.245%
51	19.680	2810	2821	2828	rBV2	14512	37701	4.49%	0.329%
52	19.745	2828	2832	2837	rVB3	12652	19263	2.29%	0.168%
53	19.827	2841	2846	2854	rBV2	25685	64321	7.66%	0.561%
54	19.968	2865	2870	2871	rBV3	19817	27027	3.22%	0.236%
55	19.998	2872	2875	2883	rVB2	48706	78372	9.33%	0.683%
56	20.103	2889	2893	2896	rVV2	30750	36777	4.38%	0.321%
57	20.162	2896	2903	2906	rVV2	41346	66085	7.87%	0.576%
58	20.203	2906	2910	2914	rVV6	13648	20703	2.46%	0.180%
59	20.303	2922	2927	2930	rBV	30475	39659	4.72%	0.346%
60	20.345	2930	2934	2939	rVB2	30643	39091	4.65%	0.341%
61	20.715	2992	2997	2999	rBV4	10739	15674	1.87%	0.137%
62	20.750	2999	3003	3009	rVB2	29279	48887	5.82%	0.426%
63	20.921	3023	3032	3035	rBV3	33658	64906	7.73%	0.566%
64	20.956	3035	3038	3039	rVV	31779	33128	3.94%	0.289%
65	20.980	3039	3042	3049	rVV3	74489	142601	16.98%	1.243%
66	21.050	3050	3054	3062	rVB2	26164	42006	5.00%	0.366%
67	21.162	3066	3073	3074	rBV	9727	15014	1.79%	0.131%
68	21.186	3074	3077	3080	rVB	19518	20432	2.43%	0.178%
69	21.274	3084	3092	3096	rVV2	493421	839879	100.00%	7.321%
70	21.309	3096	3098	3106	rVB	160988	184033	21.91%	1.604%
71	21.392	3108	3112	3114	rBV4	10328	15177	1.81%	0.132%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004031.D
Acq On : 15 Jan 2016 03:06
Operator : SJ/UM
Sample : H1099-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E3

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

72	21.427	3114	3118	3125	rVB3	26763	40166	4.78%	0.350%
73	21.509	3129	3132	3135	rVB3	19243	20171	2.40%	0.176%
74	21.592	3141	3146	3150	rVB3	18891	32734	3.90%	0.285%
75	21.633	3150	3153	3158	rBV3	10444	13470	1.60%	0.117%
76	21.739	3165	3171	3173	rBV5	8520	14853	1.77%	0.129%
77	21.821	3178	3185	3188	rBV	37945	73679	8.77%	0.642%
78	21.850	3188	3190	3191	rBV	38862	33583	4.00%	0.293%
79	22.021	3215	3219	3222	rBV2	23821	33182	3.95%	0.289%
80	22.115	3232	3235	3242	rVB2	15630	22318	2.66%	0.195%
81	22.309	3263	3268	3272	rBV2	41898	68273	8.13%	0.595%
82	22.439	3285	3290	3293	rBV	23230	33842	4.03%	0.295%
83	22.592	3310	3316	3325	rVB6	10930	26786	3.19%	0.233%
84	22.815	3348	3354	3356	rBV	117880	195514	23.28%	1.704%
85	23.009	3383	3387	3392	rVB	21346	32144	3.83%	0.280%
86	23.315	3434	3439	3443	rBV	62398	112355	13.38%	0.979%
87	23.368	3443	3448	3452	rVV	239179	428546	51.02%	3.736%
88	23.409	3452	3455	3463	rVB	100008	166683	19.85%	1.453%
89	23.509	3464	3472	3478	rBV	260056	497468	59.23%	4.336%
90	23.686	3499	3502	3508	rVB5	11917	16943	2.02%	0.148%
91	24.009	3550	3557	3567	rVB	101965	206492	24.59%	1.800%
92	24.374	3615	3619	3632	rVB8	11456	32265	3.84%	0.281%
93	24.750	3676	3683	3690	rBV2	23889	59125	7.04%	0.515%
94	25.197	3755	3759	3769	rVB9	12388	31656	3.77%	0.276%
95	25.609	3822	3829	3835	rBV2	25342	61083	7.27%	0.532%
96	25.750	3845	3853	3862	rBV	45768	123988	14.76%	1.081%
97	26.109	3907	3914	3921	rBV4	10413	32507	3.87%	0.283%
98	26.444	3963	3971	3979	rBV2	30779	87168	10.38%	0.760%
99	26.521	3980	3984	3994	rVB6	12606	34638	4.12%	0.302%
100	27.821	4196	4205	4214	rBV7	12685	43092	5.13%	0.376%

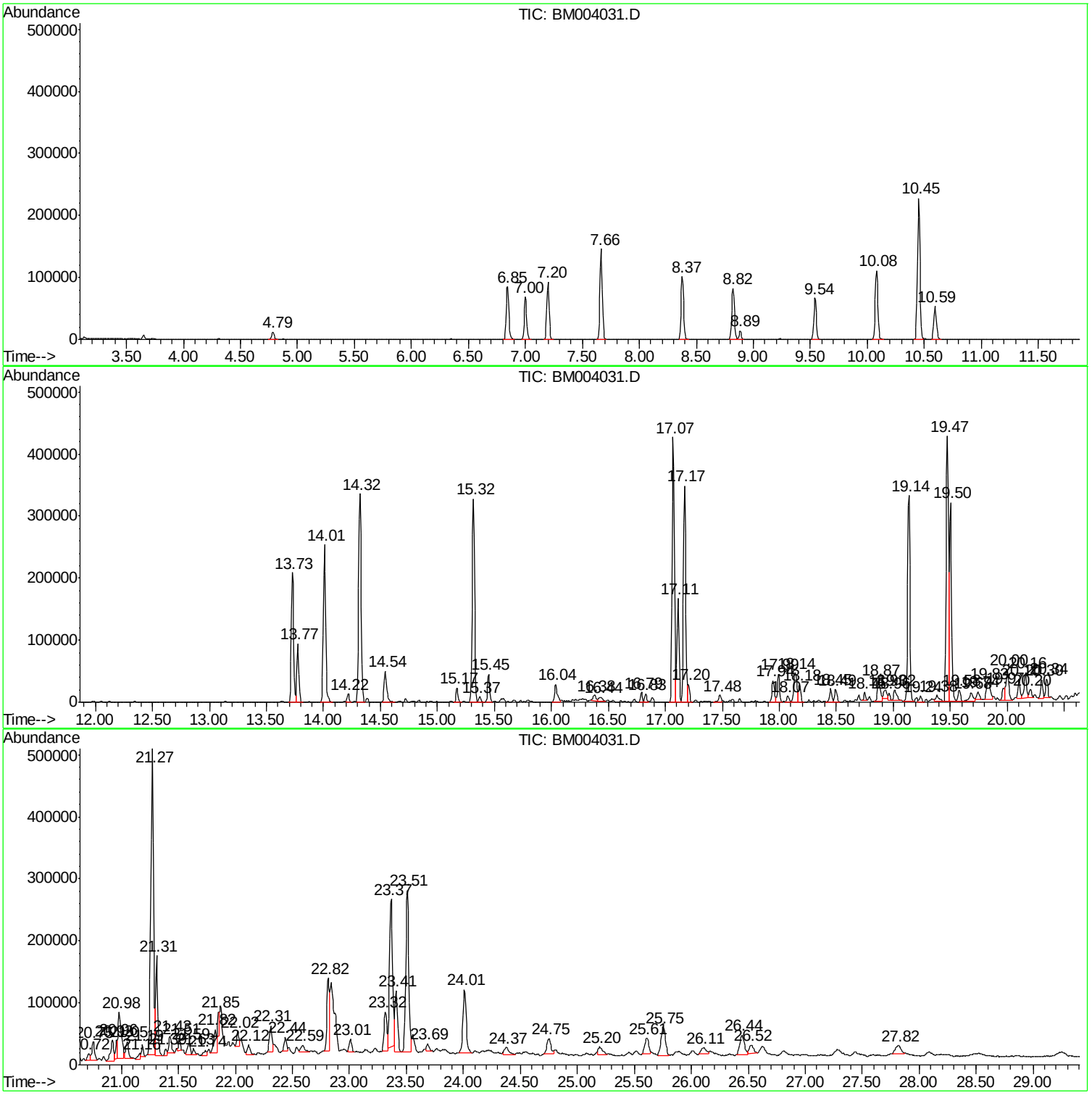
Sum of corrected areas: 11471667

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004031.D
Acq On : 15 Jan 2016 03:06
Operator : SJ/UM
Sample : H1099-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BC9E3

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\BM011516\
Data File : BM004031.D
Acq On : 15 Jan 2016 03:06
Operator : SJ/UM
Sample : H1099-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E3

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

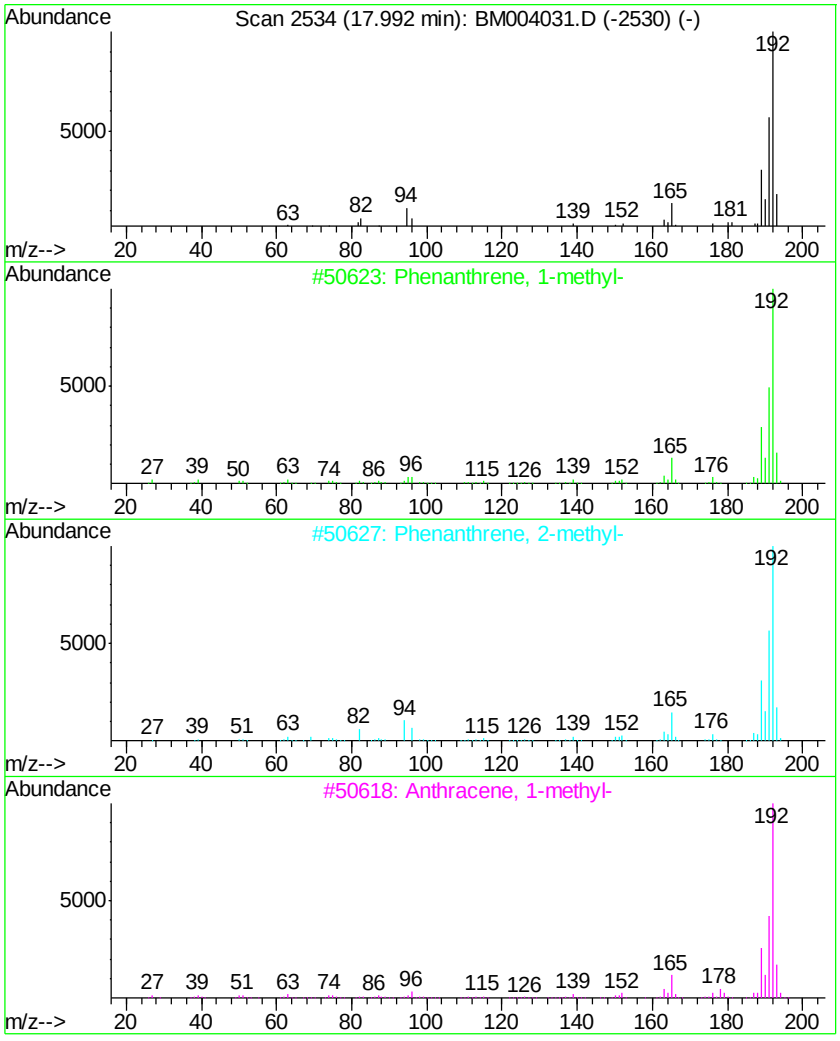
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

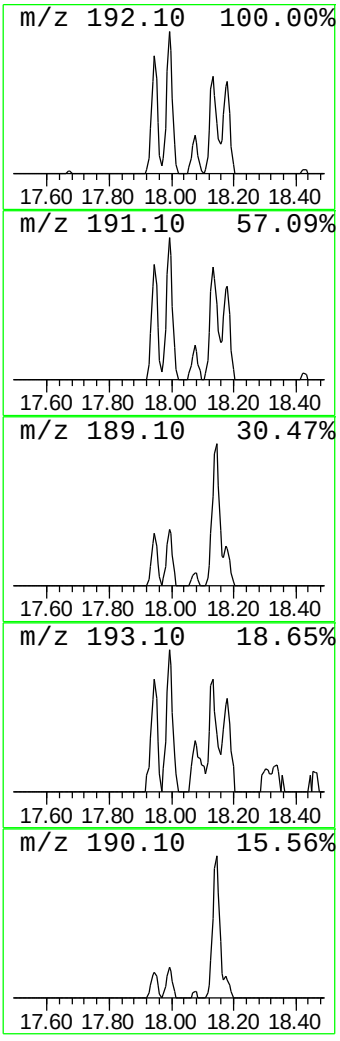
****

Peak Number 1 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	2.01 ng/ul	60252	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004031.D
Acq On : 15 Jan 2016 03:06
Operator : SJ/UM
Sample : H1099-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E3

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

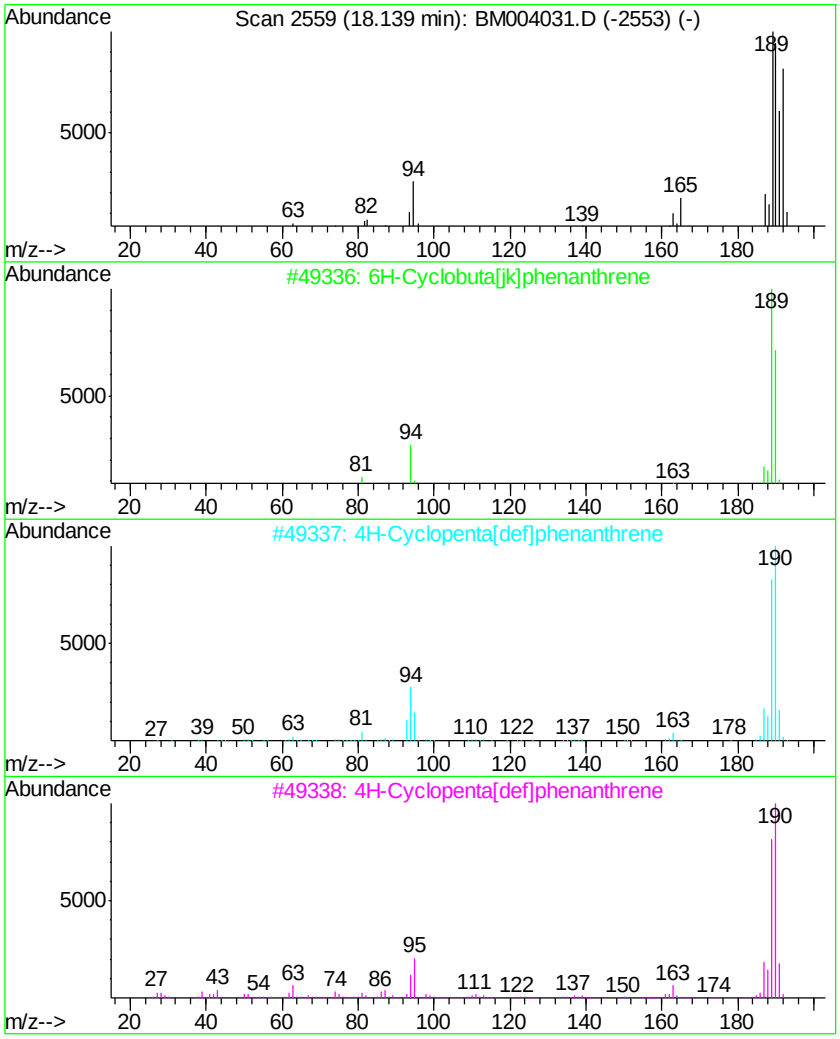
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

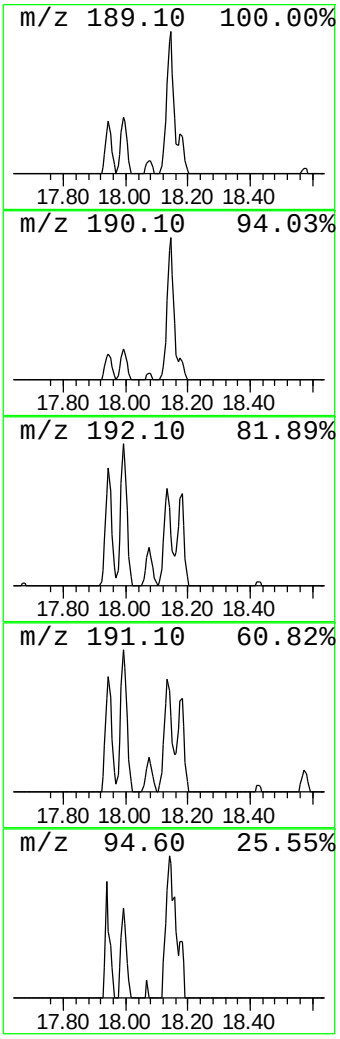
****

Peak Number 2 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	2.98 ng/ul	89259	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
4	5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	42
5	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	35





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004031.D
Acq On : 15 Jan 2016 03:06
Operator : SJ/UM
Sample : H1099-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E3

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

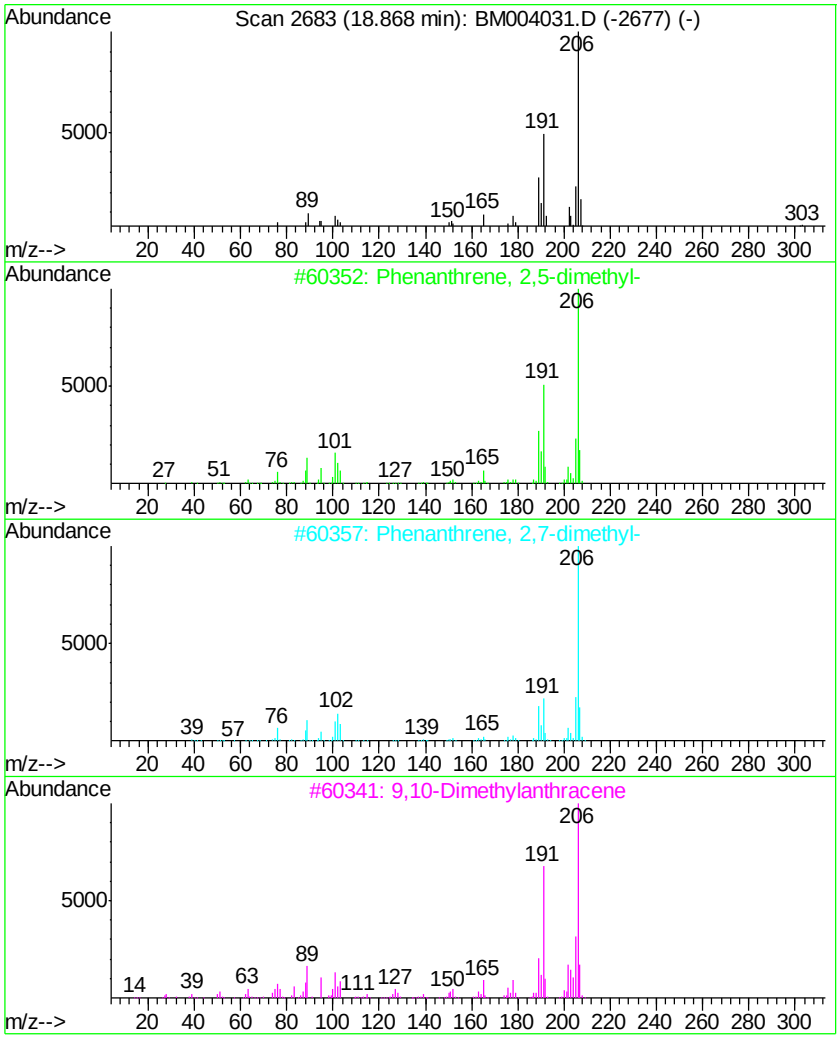
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

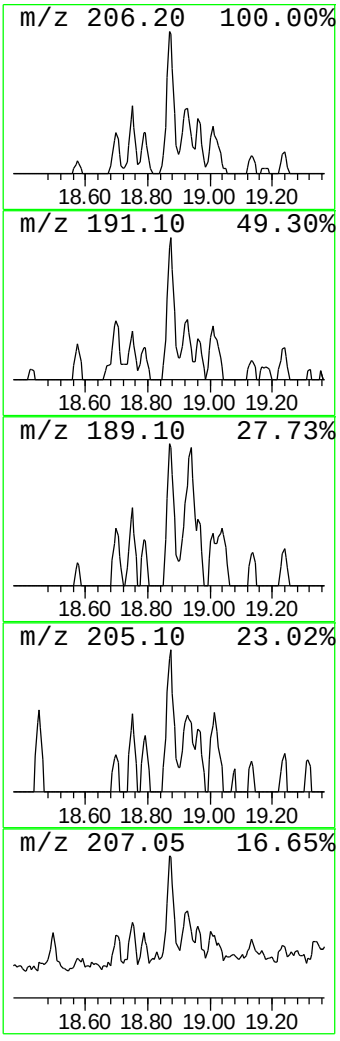
****

Peak Number 3 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	2.13 ng/ul	63760	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	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004031.D
Acq On : 15 Jan 2016 03:06
Operator : SJ/UM
Sample : H1099-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E3

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

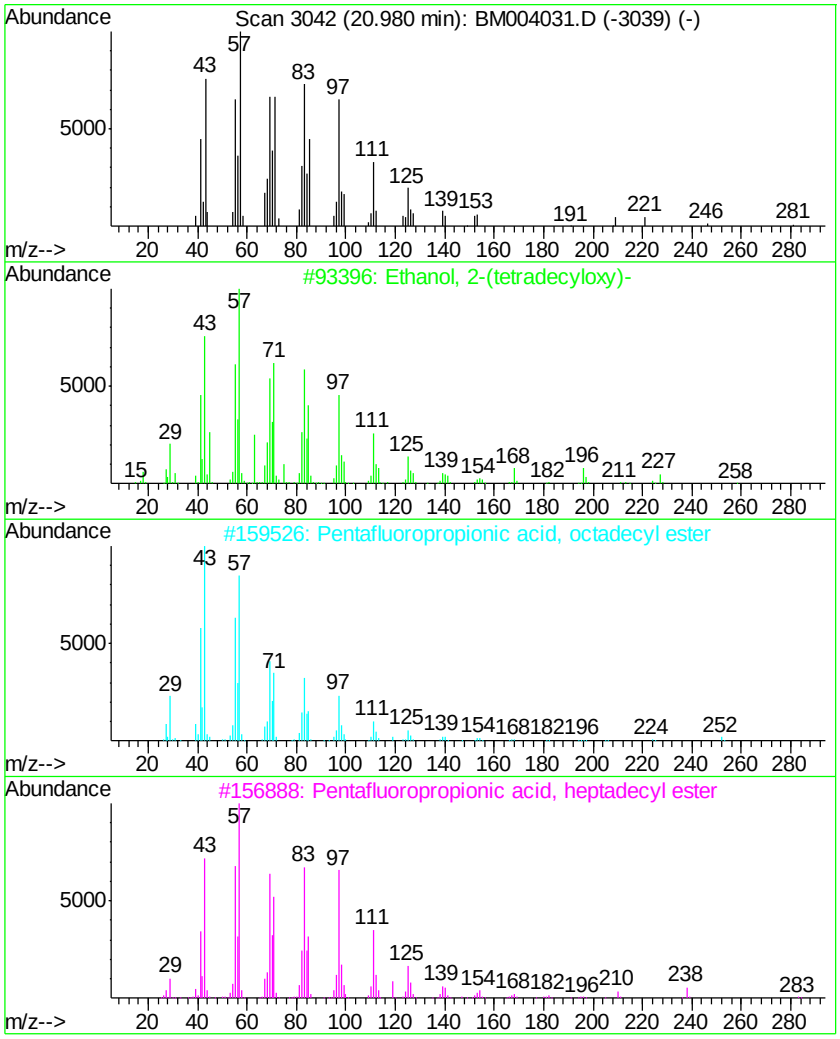
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

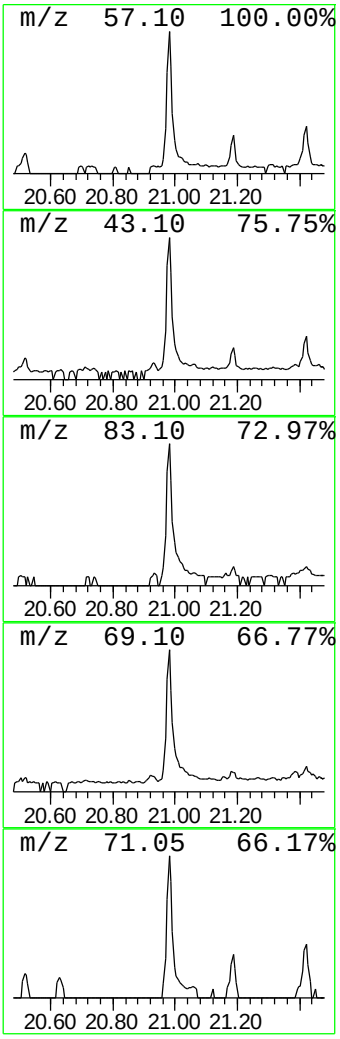
****

Peak Number 4 Ethanol, 2-(tetradecyloxy)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.98	3.40 ng/ul	142601	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	91
2	Pentafluoropropionic acid, octad...	416	C21H37F5O2	1000280-07-7	91
3	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	1000283-04-2	91
4	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	90
5	Trifluoroacetic acid, n-octadecy...	366	C20H37F3O2	079392-43-1	87





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004031.D
Acq On : 15 Jan 2016 03:06
Operator : SJ/UM
Sample : H1099-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E3

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

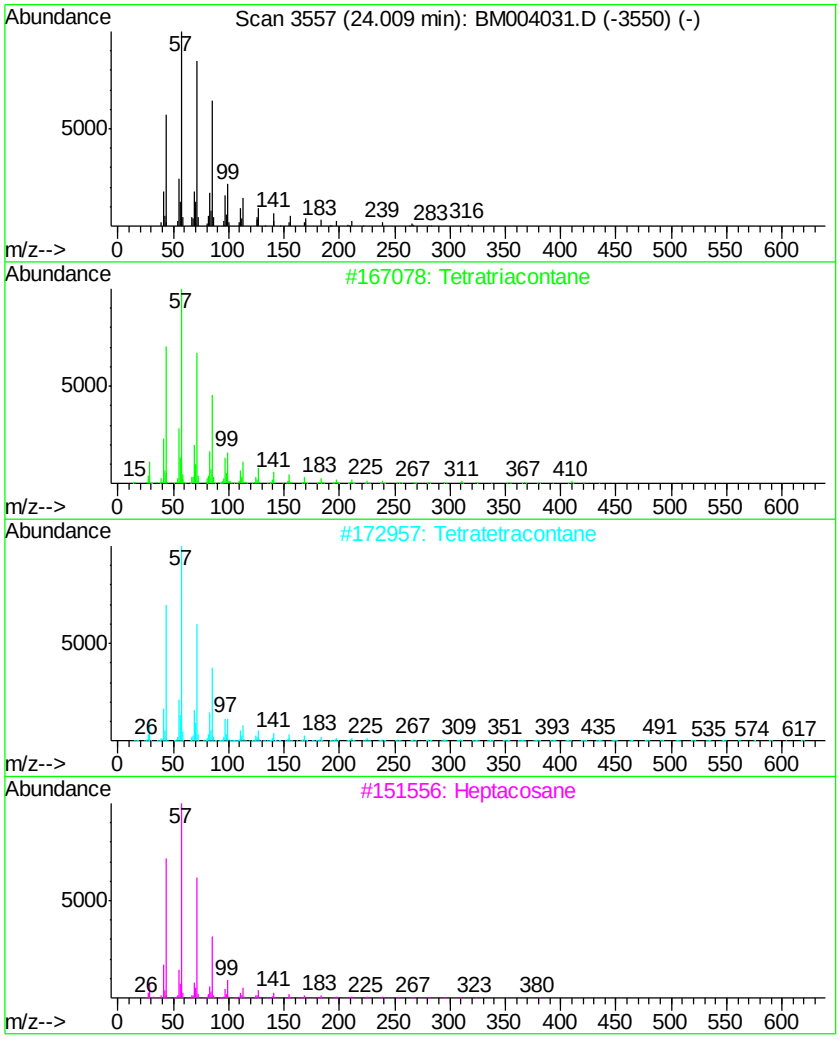
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

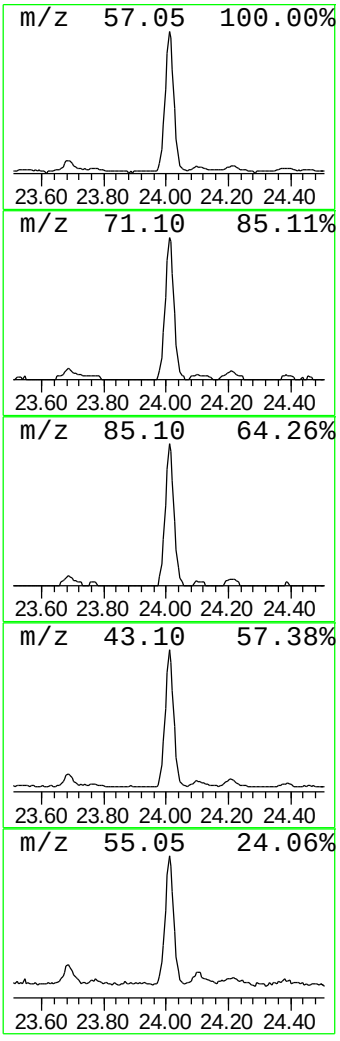
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.01	8.30 ng/ul	206492	Perylene-d12	23.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratriacontane	479	C34H70	014167-59-0	91
2	Tetratetracontane	619	C44H90	007098-22-8	91
3	Heptacosane	380	C27H56	000593-49-7	91
4	Triacontane	422	C30H62	000638-68-6	91
5	Heneicosane	296	C21H44	000629-94-7	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004031.D
Acq On : 15 Jan 2016 03:06
Operator : SJ/UM
Sample : H1099-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E3

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

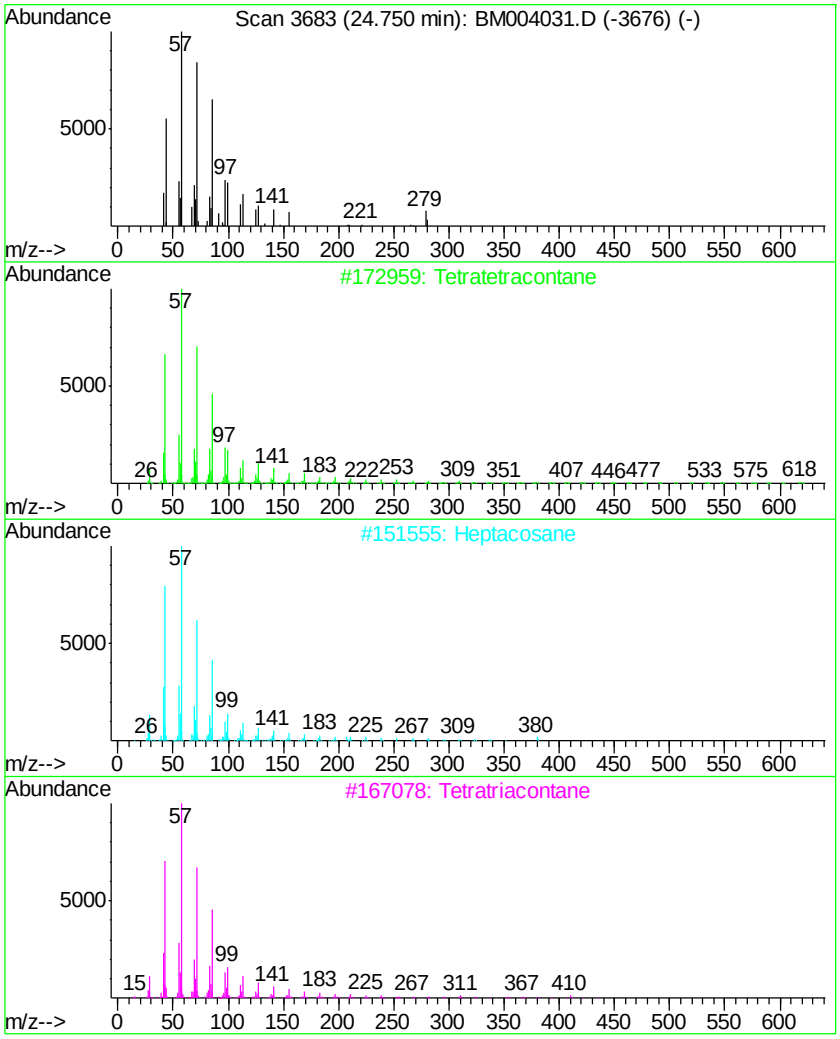
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

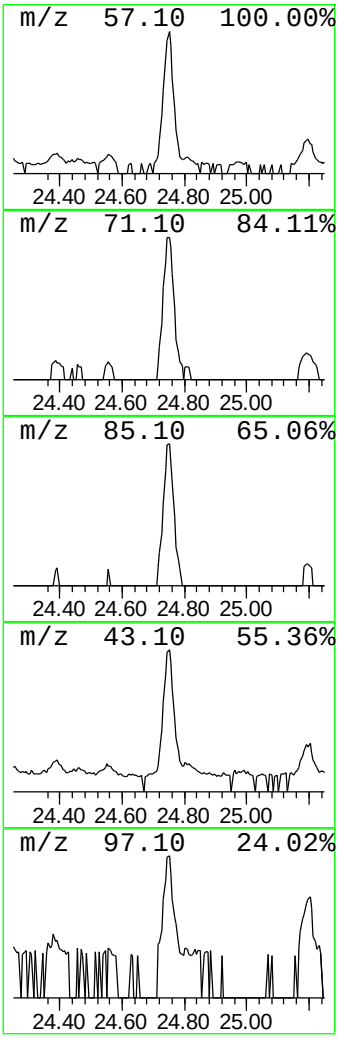
****

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.75	2.38 ng/ul	59125	Perylene-d12	23.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratetracontane	619	C44H90	007098-22-8	90
2	Heptacosane	380	C27H56	000593-49-7	86
3	Tetratriacontane	479	C34H70	014167-59-0	86
4	Tetrapentacontane	759	C54H110	005856-66-6	86
5	Octacosane	394	C28H58	000630-02-4	86





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004031.D
Acq On : 15 Jan 2016 03:06
Operator : SJ/UM
Sample : H1099-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E3

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

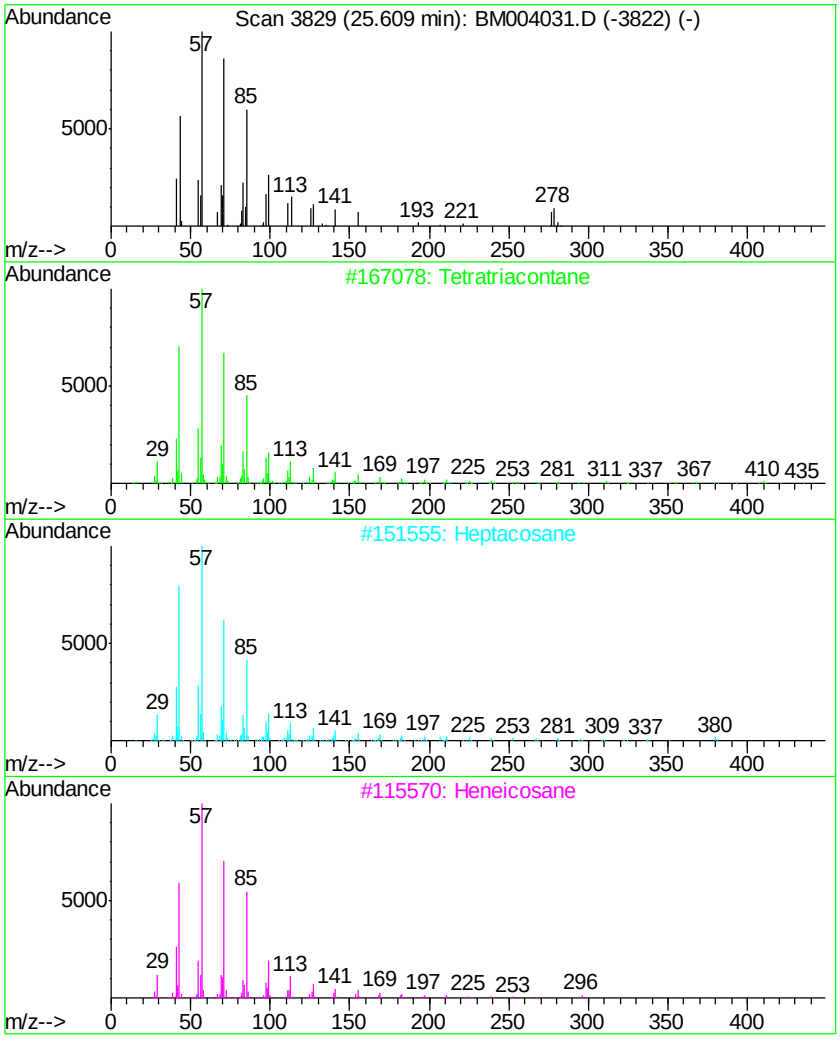
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

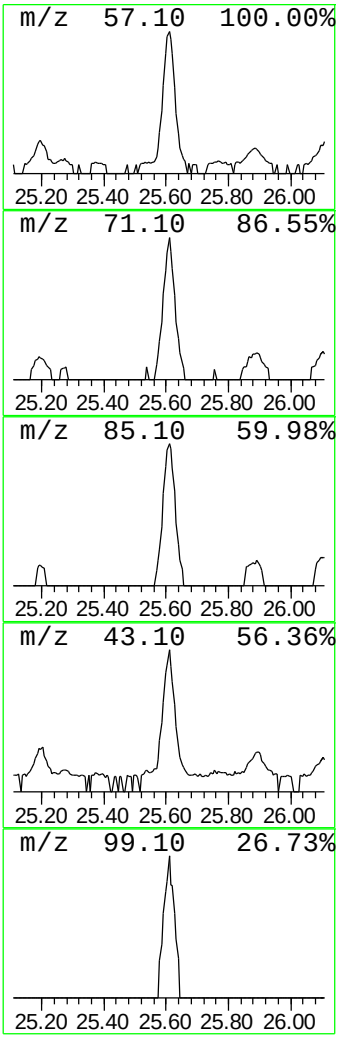
****

Peak Number 8 (DEL) Alkane: Branched25.61 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.61	2.46 ng/ul	61083	Perylene-d12	23.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratriacontane	479	C34H70	014167-59-0	86
2	Heptacosane	380	C27H56	000593-49-7	83
3	Heneicosane	296	C21H44	000629-94-7	80
4	Hentriacontane	437	C31H64	000630-04-6	80
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	80





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004031.D
Acq On : 15 Jan 2016 03:06
Operator : SJ/UM
Sample : H1099-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E3

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
Phenanthrene, 1-m...	17.99	2.0	ng/ul	60252	4	17.07	598627	20.0
unknown-01	18.14	3.0	ng/ul	89259	4	17.07	598627	20.0
Phenanthrene, 2,5...	18.87	2.1	ng/ul	63760	4	17.07	598627	20.0
Ethanol, 2-(tetra...	20.98	3.4	ng/ul	142601	5	21.27	839879	20.0
(DEL) Alkane: Str...	24.01	8.3	ng/ul	206492	6	23.51	497468	20.0
(DEL) Alkane: Str...	24.75	2.4	ng/ul	59125	6	23.51	497468	20.0
(DEL) Alkane: Bra...	25.61	2.5	ng/ul	61083	6	23.51	497468	20.0