LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101017\
Data File : BM012045.D
Acq On : 10 Oct 2017 16:55
Operator : SJ/JU
Sample : I5550-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF1

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\SOM-EPA-BM100317.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	7.004	659	666	681	rBV	551548	1046718	14.47%	1.499%
2	7.169	688	694	709	rBV	428749	734260	10.15%	1.051%
3	7.369	722	728	740	rBV	601184	1079028	14.91%	1.545%
4	7.845	801	809	819	rBV	543628	950720	13.14%	1.361%
5	8.551	922	929	936	rBV	744067	1321728	18.27%	1.893%
6	9.010	1000	1007	1021	rBV	569384	1040540	14.38%	1.490%
7	9.734	1123	1130	1143	rBV	491634	898897	12.42%	1.287%
8	10.269	1213	1221	1236	rBV	780620	1462471	20.21%	2.094%
9	10.645	1277	1285	1292	rBV	819628	1423376	19.67%	2.038%
10	10.786	1302	1309	1327	rBV	473470	1011272	13.98%	1.448%
11	13.898	1830	1838	1842	rBV	1713344	2414549	33.37%	3.458%
12	13.945	1842	1846	1860	rVB	626262	915732	12.66%	1.311%
13	14.186	1880	1887	1904	rVB	1907522	2797990	38.67%	4.007%
14	14.492	1931	1939	1946	rBV3	1279511	1991508	27.52%	2.852%
15	14.551	1946	1949	1956	rVB	69037	105573	1.46%	0.151%
16	14.692	1967	1973	1988	rBV	375649	831823	11.50%	1.191%
17	14.898	2002	2008	2016	rVB2	67750	172238	2.38%	0.247%
18	15.304	2073	2077	2085	rVB2	120458	225177	3.11%	0.322%
19	15.486	2101	2108	2113	rBV	2494422	3675293	50.80%	5.263%
20	15.539	2113	2117	2123	rVB2	102185	155520	2.15%	0.223%
21	15.610	2123	2129	2136	rBV	655248	992453	13.72%	1.421%
22	15.727	2142	2149	2155	rVB6	44173	104514	1.44%	0.150%
23	16.186	2222	2227	2237	rBV3	62704	120438	1.66%	0.172%
24	16.539	2277	2287	2292	rBV8	30286	80036	1.11%	0.115%
25	16.974	2356	2361	2366	rVV6	50686	88832	1.23%	0.127%
26	17.057	2370	2375	2381	rVB	90116	148247	2.05%	0.212%
27	17.233	2399	2405	2409	rBV2	1790507	2633350	36.40%	3.771%
28	17.274	2409	2412	2417	rVB	1228615	1710056	23.63%	2.449%
29	17.333	2417	2422	2427	rBV	2971295	4314571	59.63%	6.178%
30	17.645	2467	2475	2483	rBV	98773	201174	2.78%	0.288%
31	17.815	2500	2504	2513	rVB4	42406	73949	1.02%	0.106%
32	18.109	2549	2554	2558	rBV	492636	703484	9.72%	1.007%
33	18.157	2558	2562	2570	rVV	220010	392124	5.42%	0.562%
34	18.239	2572	2576	2581	rVV	66850	102678	1.42%	0.147%

LSC Area Percent Report

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Misc :
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Instrument : BNA_M
ClientSampleId : C0AF1

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\SOM-EPA-BM100317.M
Title : SVOA CALIBRATION

35	18.304	2581	2587	2591	rVV2	188527	382925	5.29%	0.548%
36	18.345	2591	2594	2600	rVB	257600	346111	4.78%	0.496%
37	18.515	2618	2623	2627	rVB2	123227	162718	2.25%	0.233%
38	18.609	2634	2639	2643	rBV	122119	192245	2.66%	0.275%
39	18.656	2644	2647	2652	rVB3	62632	92505	1.28%	0.132%
40	19.027	2705	2710	2714	rBV	104704	199970	2.76%	0.286%
41	19.168	2729	2734	2742	rBV5	58970	156786	2.17%	0.225%
42	19.292	2744	2755	2760	rBV	1743901	2517301	34.79%	3.605%
43	19.339	2760	2763	2768	rVB2	72529	98040	1.36%	0.140%
44	19.392	2768	2772	2777	rBV2	431158	576049	7.96%	0.825%
45	19.627	2806	2812	2815	rBV	4706747	6789591	93.84%	9.722%
46	19.656	2815	2817	2825	rVV	1515356	1699293	23.49%	2.433%
47	19.721	2825	2828	2834	rVB4	87578	143678	1.99%	0.206%
48	19.833	2845	2847	2854	rVB	75157	90931	1.26%	0.130%
49	19.974	2865	2871	2872	rBV2	100178	166789	2.31%	0.239%
50	20.145	2891	2900	2905	rBV	158288	339435	4.69%	0.486%
51	21.056	3053	3055	3058	rBV	99765	112927	1.56%	0.162%
52	21.103	3059	3063	3066	rBV3	330141	416625	5.76%	0.597%
53	21.309	3095	3098	3101	rVB	248488	267283	3.69%	0.383%
54	21.409	3108	3115	3119	rBV2	3454426	5624457	77.74%	8.054%
55	21.445	3119	3121	3131	rVB	779549	1049959	14.51%	1.503%
56	23.027	3386	3390	3396	rBV	467418	1043867	14.43%	1.495%
57	23.580	3478	3484	3490	rBV2	3790029	7235314	100.00%	10.361%
58	23.727	3503	3509	3517	rBV	2151998	4209928	58.19%	6.028%

Sum of corrected areas: 69835046

LSC Report - Integrated Chromatogram

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Data File : BM012045.D
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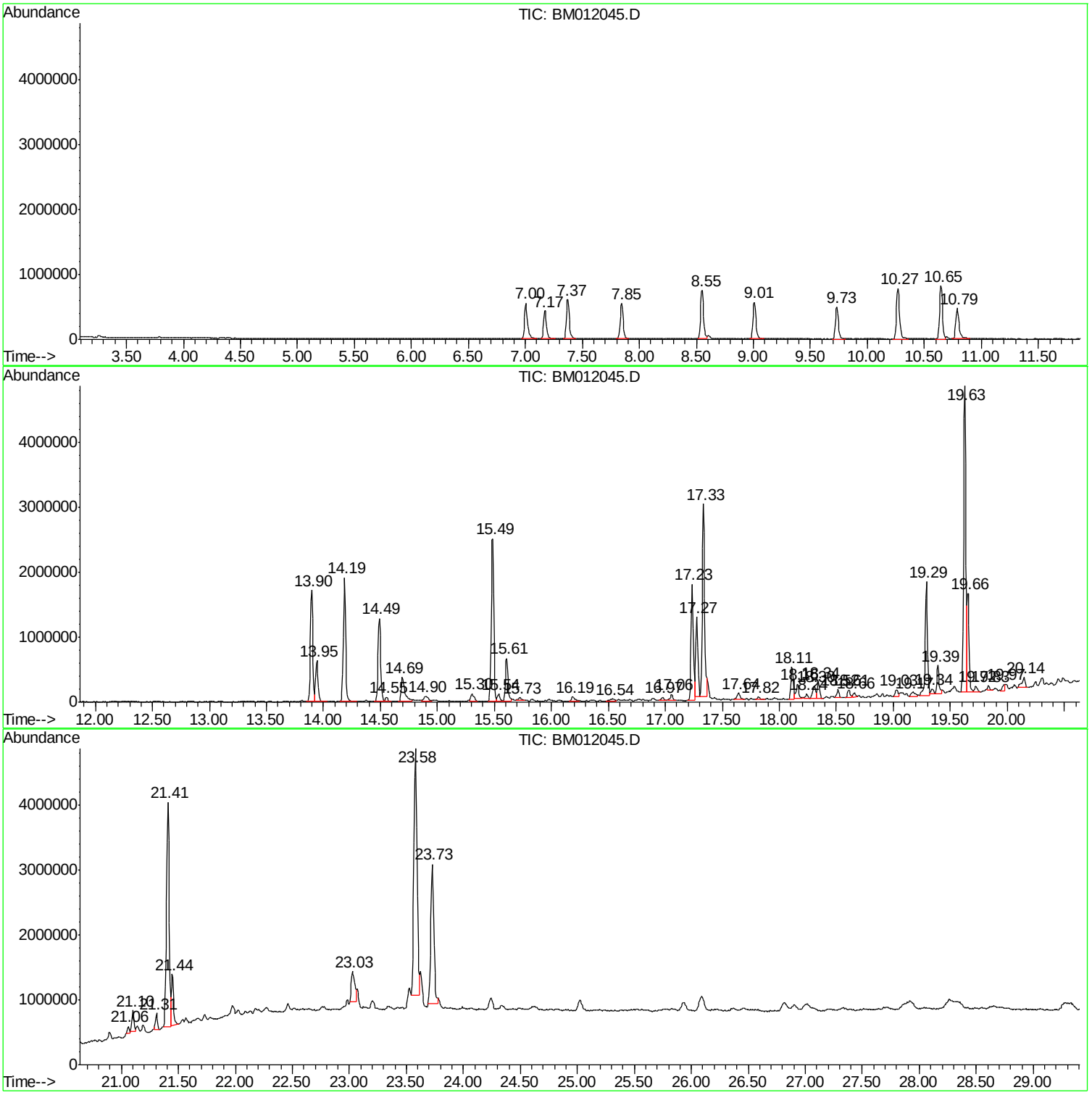
Operator : SJ/JU
Sample : I5550-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.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\BM101017\
Data File : BM012045.D
Acq On : 10 Oct 2017 16:55
Operator : SJ/JU
Sample : I5550-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

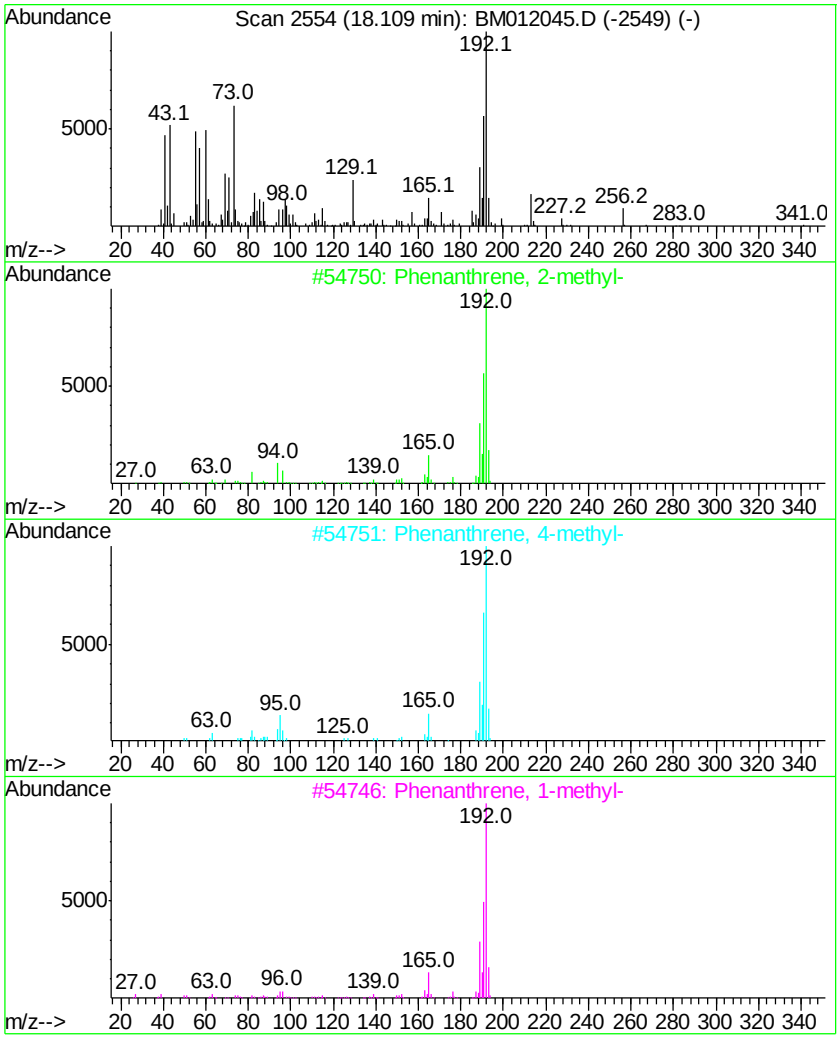
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

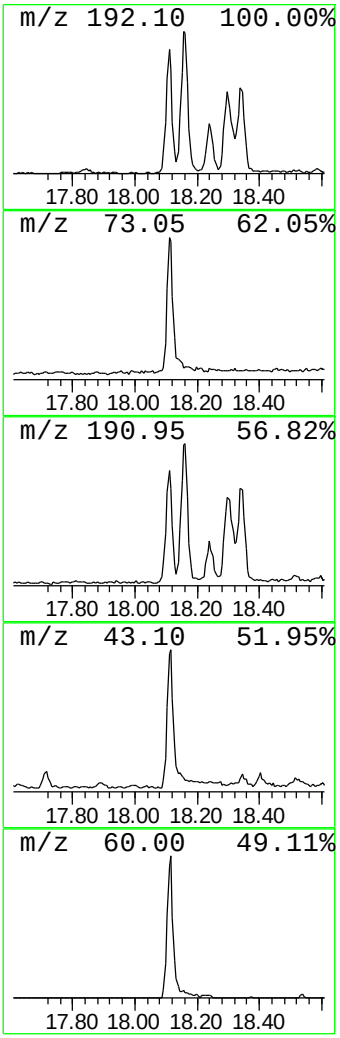
****

Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	5.34 ng/ul	703484	Phenanthrene-d10	17.23

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	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	92
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	92





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Sample : I5550-02
Misc :
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Instrument : BNA_M
ClientSampleId : C0AF1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

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

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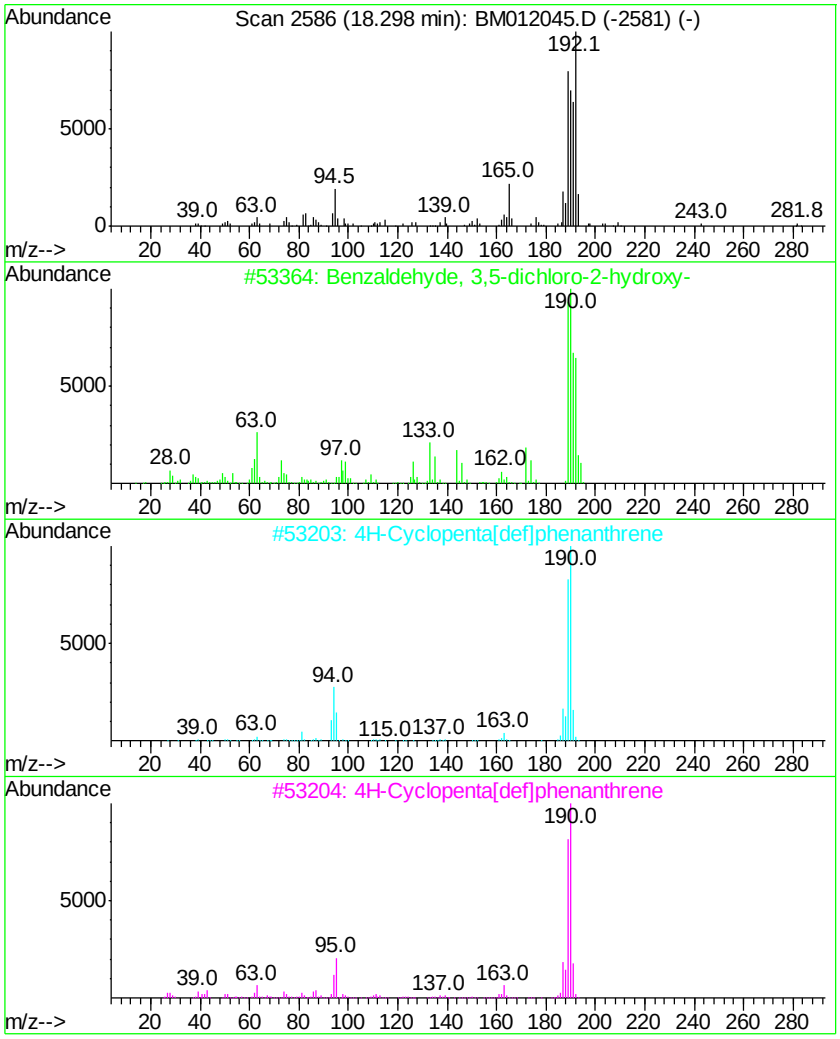
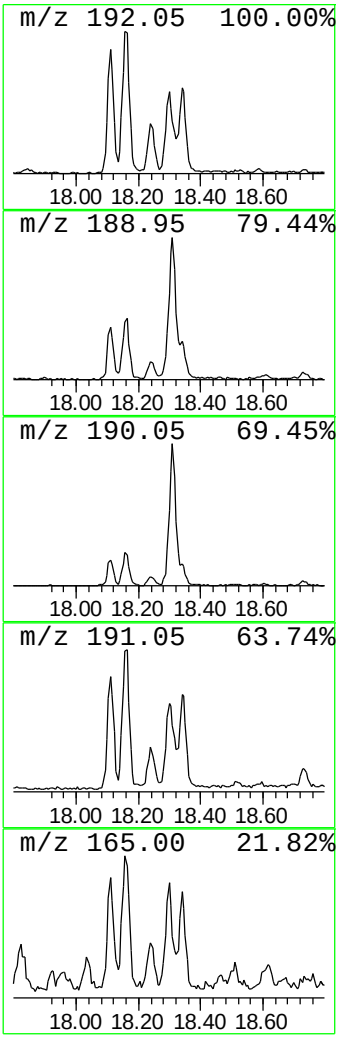
Peak Number 3 Benzaldehyde, 3,5-dichloro-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	2.91 ng/ul	382925	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
5	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50





Data Path : Z:\HPCHEM1\BNA M\DATA\BM101017\
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Acq On : 10 Oct 2017 16:55
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Sample : I5550-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

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

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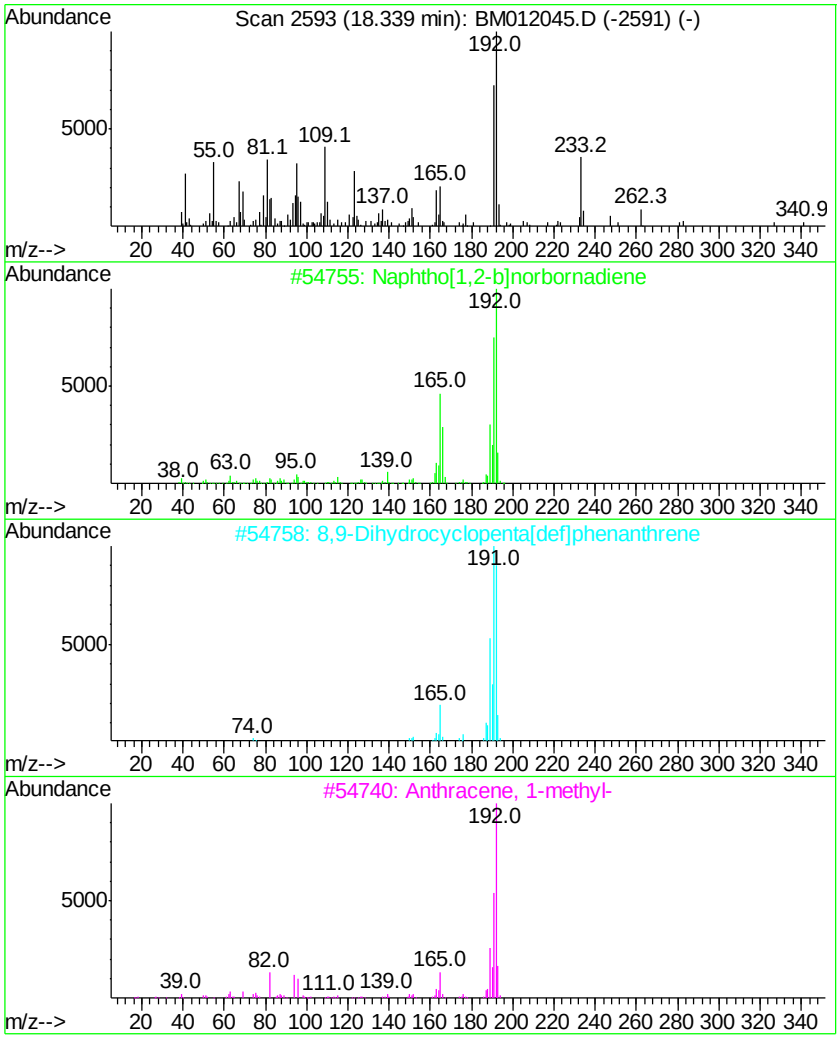
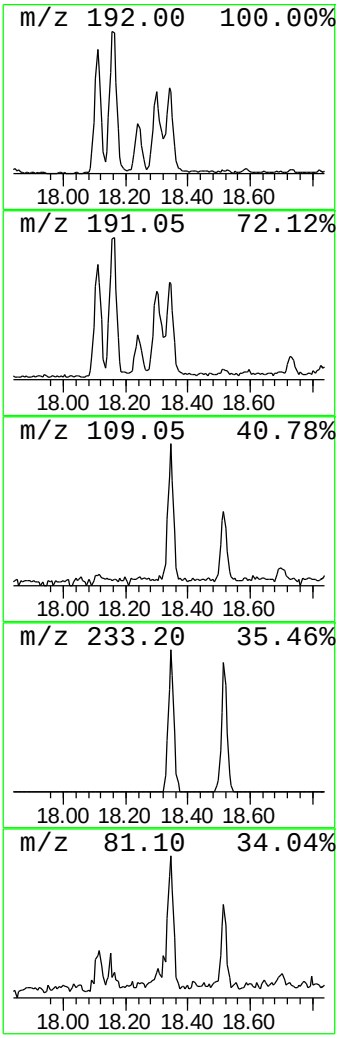
Peak Number 4 Naphtho[1,2-b]norbornadiene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	2.63 ng/ul	346111	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	55
2	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	46
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	41
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	38
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	38





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Sample : I5550-02
Misc :
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Instrument : BNA_M
ClientSampleId : C0AF1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION

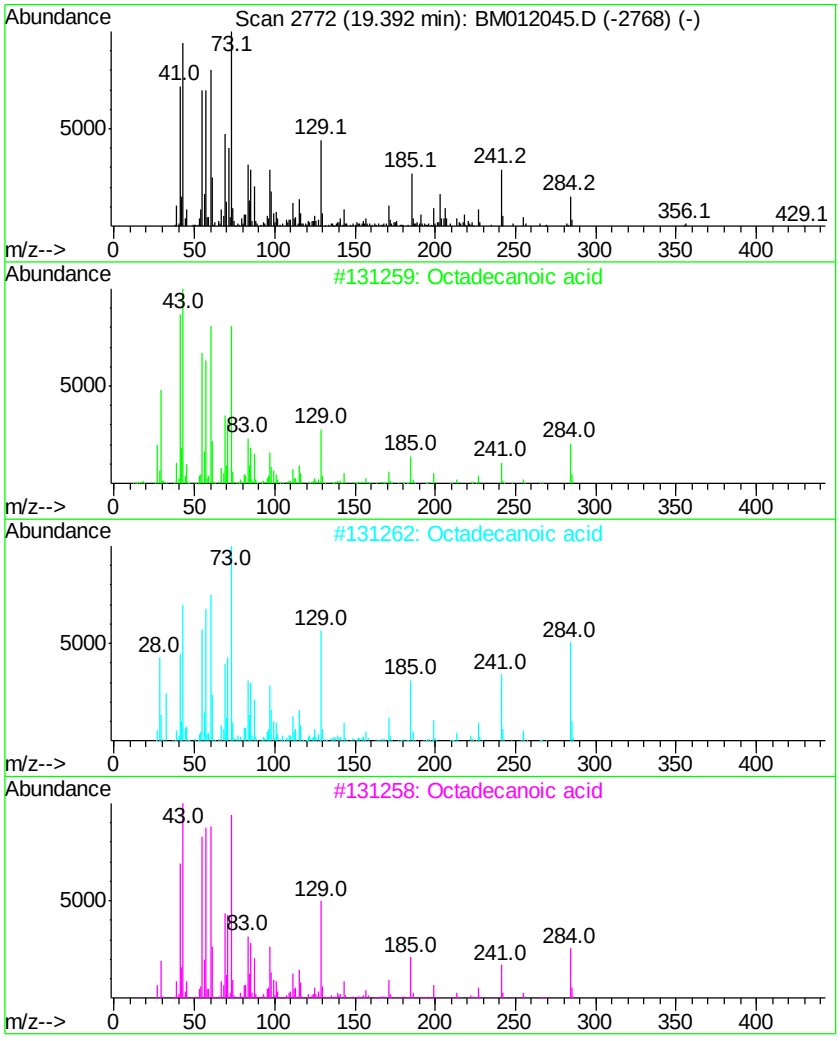
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

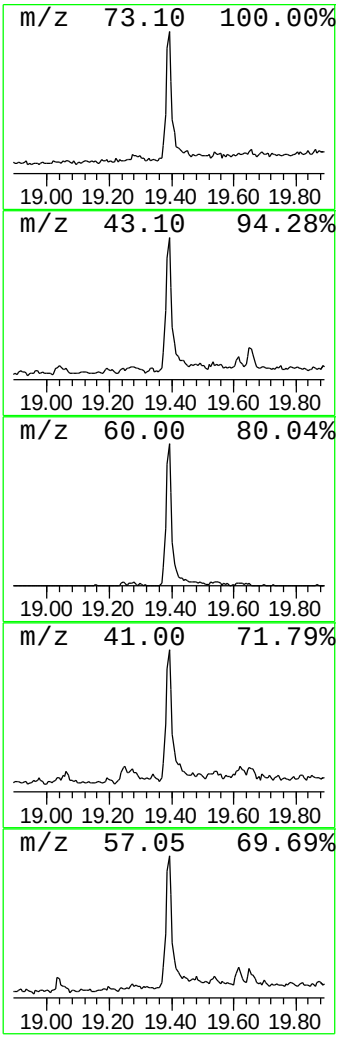
****

Peak Number 5 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.39	2.05 ng/ul	576049	Chrysene-d12	21.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	98
2	Octadecanoic acid	284	C18H36O2	000057-11-4	97
3	Octadecanoic acid	284	C18H36O2	000057-11-4	97
4	Octadecanoic acid	284	C18H36O2	000057-11-4	91
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	89





Tentatively Identified Compound (LSC) summary

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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
Phenanthrene, 2-m...	18.11	5.3	ng/ul	703484	4	17.23	2633350	20.0
Benzaldehyde, 3,5...	18.30	2.9	ng/ul	382925	4	17.23	2633350	20.0
Naphtho[1,2-b]nor...	18.34	2.6	ng/ul	346111	4	17.23	2633350	20.0
Octadecanoic acid	19.39	2.0	ng/ul	576049	5	21.41	5624460	20.0