LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100917\
Data File : BM012034.D
Acq On : 10 Oct 2017 04:04
Operator : SJ/JU
Sample : I5533-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-77(1-3)-092817

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	660	666	681	rBV	315215	657955	9.17%	0.922%
2	7.175	688	695	709	rVB	257863	454604	6.33%	0.637%
3	7.375	722	729	740	rBV	369189	651321	9.07%	0.913%
4	7.845	802	809	819	rBV	499300	876686	12.21%	1.229%
5	8.551	921	929	942	rBV	351330	673623	9.39%	0.944%
6	9.010	999	1007	1020	rBV	338071	642764	8.96%	0.901%
7	9.733	1123	1130	1149	rBV	272109	536924	7.48%	0.753%
8	10.269	1214	1221	1240	rBV	441777	900768	12.55%	1.262%
9	10.645	1279	1285	1292	rBV	764916	1340194	18.67%	1.878%
10	10.792	1302	1310	1329	rBV	210884	543103	7.57%	0.761%
11	13.898	1829	1838	1842	rBV	1040805	1527408	21.28%	2.141%
12	13.945	1842	1846	1852	rVB	278090	407456	5.68%	0.571%
13	14.186	1881	1887	1899	rBV	1171640	1838910	25.62%	2.577%
14	14.492	1931	1939	1945	rBV2	1294106	1988665	27.71%	2.787%
15	14.557	1945	1950	1957	rVB	73371	124537	1.74%	0.175%
16	14.698	1968	1974	1987	rBV	135736	364392	5.08%	0.511%
17	14.892	1998	2007	2016	rBV2	53217	118515	1.65%	0.166%
18	15.486	2099	2108	2113	rBV	1635566	2458014	34.25%	3.445%
19	15.539	2113	2117	2123	rVB	96000	148511	2.07%	0.208%
20	15.609	2123	2129	2136	rBV	344945	544410	7.59%	0.763%
21	15.715	2141	2147	2155	rVB8	29886	84272	1.17%	0.118%
22	16.186	2222	2227	2230	rBV	55776	91529	1.28%	0.128%
23	16.545	2276	2288	2293	rBV8	38833	113772	1.59%	0.159%
24	16.768	2318	2326	2330	rBV6	47675	100776	1.40%	0.141%
25	16.974	2355	2361	2365	rBV5	63063	122794	1.71%	0.172%
26	17.056	2371	2375	2382	rVB	72591	113410	1.58%	0.159%
27	17.233	2399	2405	2409	rBV2	1853691	2728548	38.02%	3.824%
28	17.274	2409	2412	2417	rVB	1331738	1799860	25.08%	2.523%
29	17.333	2417	2422	2426	rBV	1936151	2773635	38.64%	3.887%
30	17.645	2470	2475	2483	rBV2	53287	117703	1.64%	0.165%
31	18.115	2549	2555	2559	rBV2	745491	1107152	15.43%	1.552%
32	18.156	2559	2562	2570	rVV	298978	480189	6.69%	0.673%
33	18.239	2572	2576	2581	rVV	107756	176308	2.46%	0.247%
34	18.309	2581	2588	2591	rVV2	264728	518954	7.23%	0.727%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100917\
Data File : BM012034.D
Acq On : 10 Oct 2017 04:04
Operator : SJ/JU
Sample : I5533-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-77(1-3)-092817

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	18.339	2591	2593	2600	rVB	139285	192129	2.68%	0.269%
36	18.409	2601	2605	2610	rBV3	64192	100274	1.40%	0.141%
37	18.609	2635	2639	2644	rBV	159255	210520	2.93%	0.295%
38	18.656	2644	2647	2652	rVB2	95933	124133	1.73%	0.174%
39	18.856	2677	2681	2686	rVB4	60118	84801	1.18%	0.119%
40	19.027	2705	2710	2716	rBV2	146865	314485	4.38%	0.441%
41	19.168	2730	2734	2742	rBV3	100323	196996	2.74%	0.276%
42	19.292	2744	2755	2760	rBV	3057289	4349413	60.60%	6.096%
43	19.345	2760	2764	2768	rVB4	84494	125890	1.75%	0.176%
44	19.392	2768	2772	2778	rBV	678415	932784	13.00%	1.307%
45	19.533	2794	2796	2805	rVB3	125094	215992	3.01%	0.303%
46	19.627	2806	2812	2815	rVV	3525985	5495961	76.57%	7.703%
47	19.656	2815	2817	2824	rVV	2667605	3002079	41.83%	4.208%
48	19.727	2825	2829	2837	rVB2	160182	256002	3.57%	0.359%
49	19.833	2844	2847	2853	rVB	140147	199266	2.78%	0.279%
50	19.974	2866	2871	2872	rBV3	210673	311027	4.33%	0.436%
51	20.121	2890	2896	2897	rBV3	155473	290706	4.05%	0.407%
52	20.150	2897	2901	2905	rVB	389713	556395	7.75%	0.780%
53	20.244	2914	2917	2921	rBV	164202	220640	3.07%	0.309%
54	20.303	2922	2927	2931	rVV2	243648	429997	5.99%	0.603%
55	20.444	2948	2951	2954	rBV	139180	186179	2.59%	0.261%
56	20.533	2963	2966	2971	rVB	533701	619009	8.62%	0.868%
57	21.103	3059	3063	3066	rVB3	620835	790582	11.01%	1.108%
58	21.409	3108	3115	3119	rBV2	3974432	7177398	100.00%	10.060%
59	21.444	3119	3121	3131	rVB	1714186	2268961	31.61%	3.180%
60	23.027	3385	3390	3396	rBV	1416072	3241805	45.17%	4.544%
61	23.527	3471	3475	3478	rBV	668300	1046690	14.58%	1.467%
62	23.580	3479	3484	3489	rVV2	2546578	4737799	66.01%	6.640%
63	23.627	3489	3492	3501	rVB	1260361	2146376	29.90%	3.008%
64	23.732	3504	3510	3515	rBV	2262946	4397082	61.26%	6.163%

Sum of corrected areas: 71349033

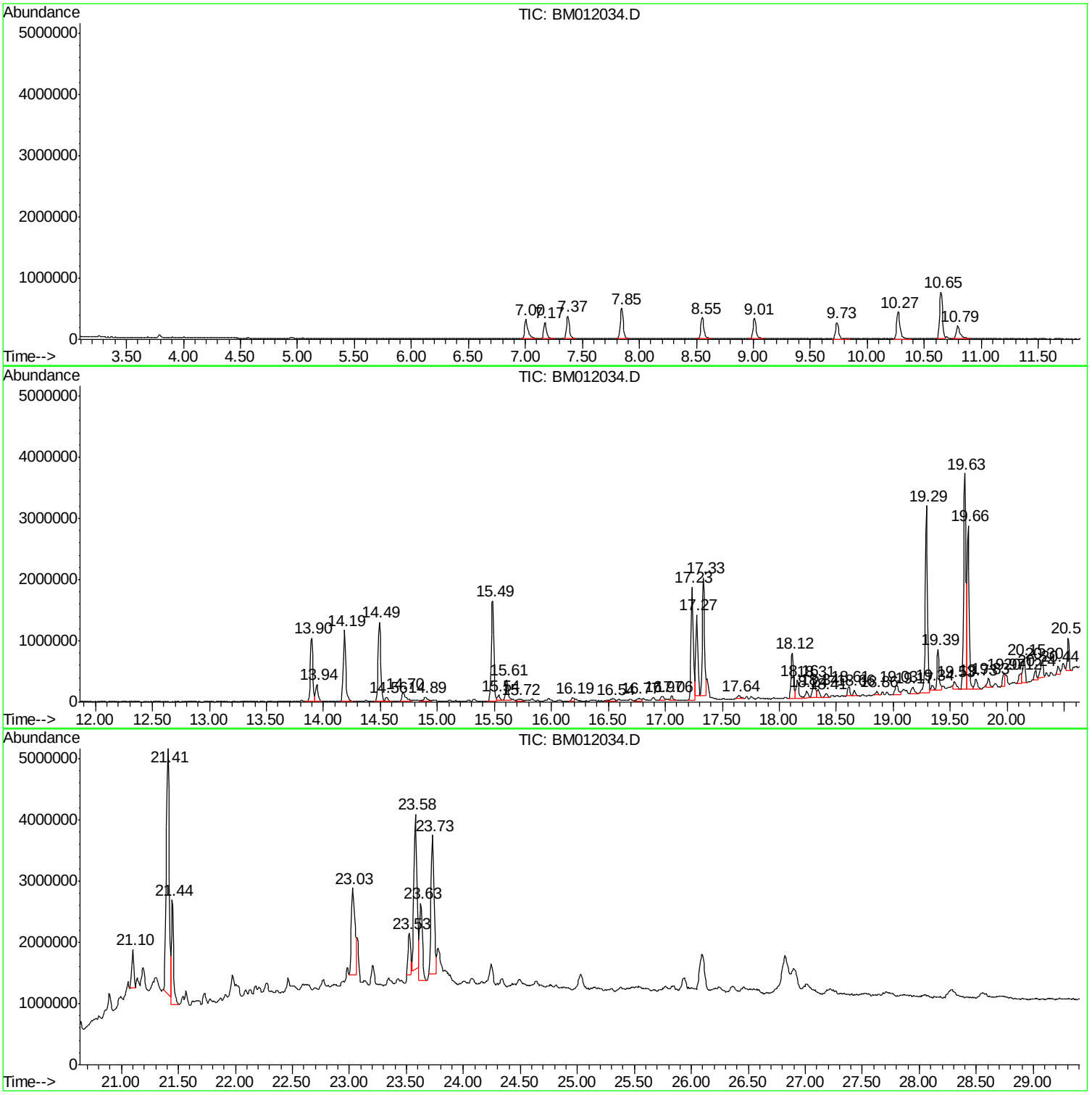
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100917\
Data File : BM012034.D
Acq On : 10 Oct 2017 04:04
Operator : SJ/JU
Sample : I5533-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-77(1-3)-092817

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM100917\
Data File : BM012034.D
Acq On : 10 Oct 2017 04:04
Operator : SJ/JU
Sample : I5533-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-77(1-3)-092817

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

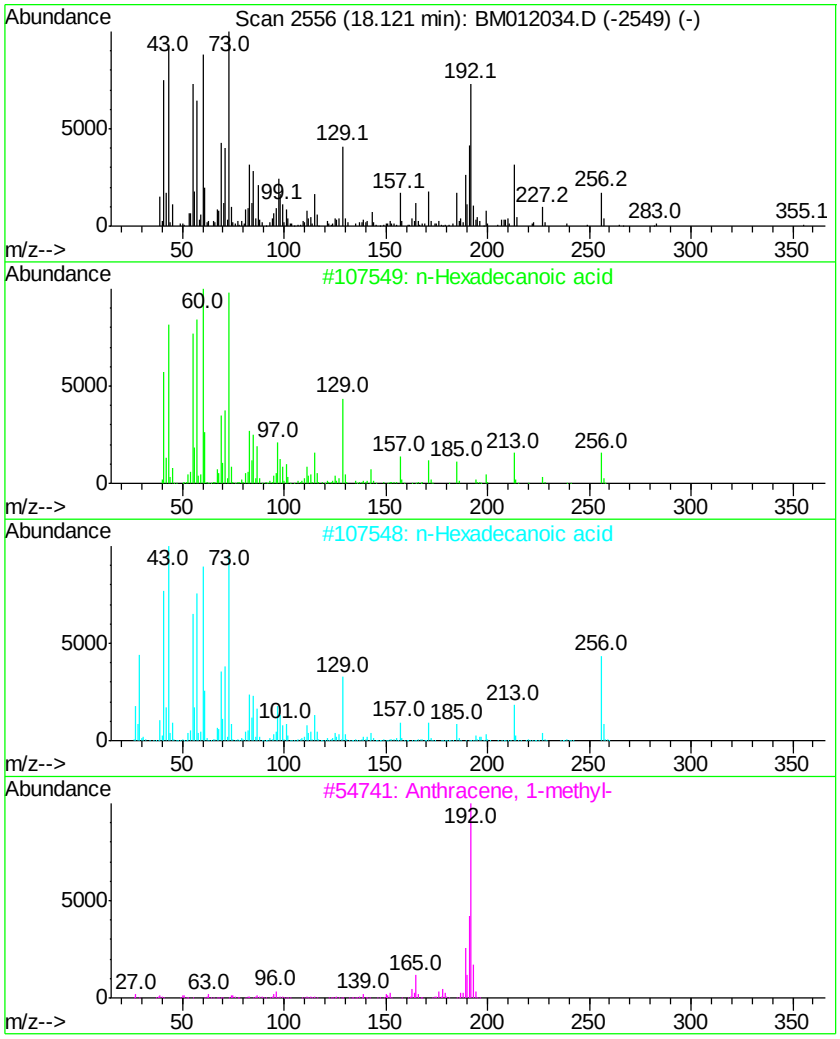
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

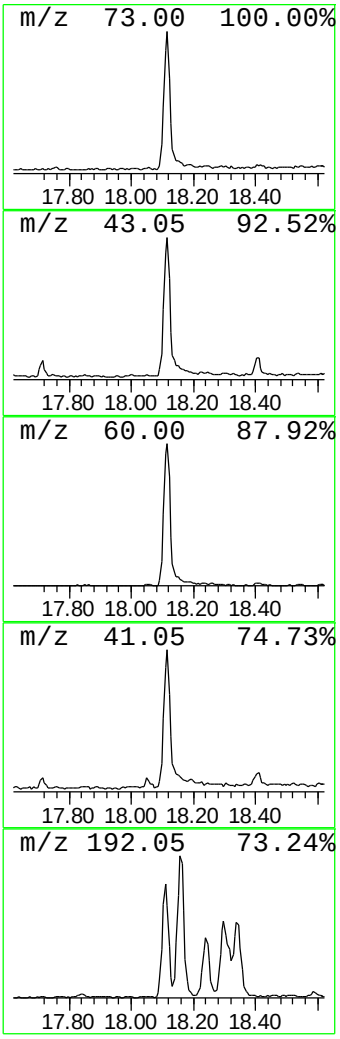
****

Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	8.12 ng/ul	1107150	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	92





Data Path : Z:\HPCHEM1\BNA M\DATA\BM100917\
Data File : BM012034.D
Acq On : 10 Oct 2017 04:04
Operator : SJ/JU
Sample : I5533-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-77(1-3)-092817

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

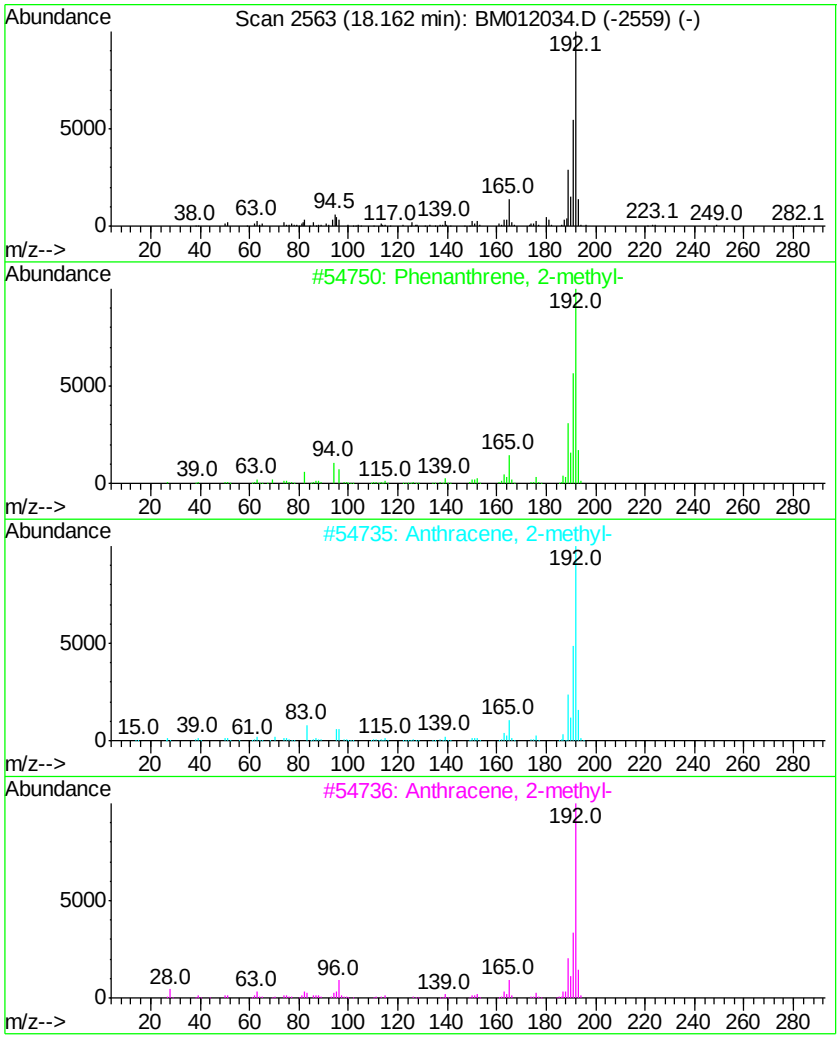
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

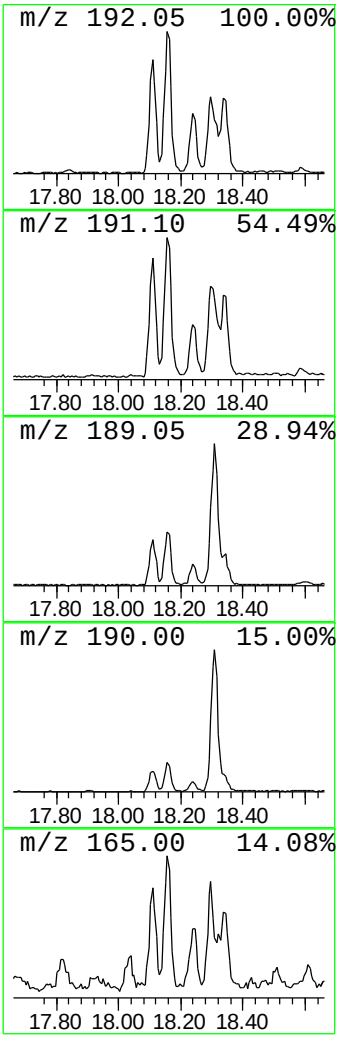
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	3.52 ng/ul	480189	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100917\
Data File : BM012034.D
Acq On : 10 Oct 2017 04:04
Operator : SJ/JU
Sample : I5533-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-77(1-3)-092817

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

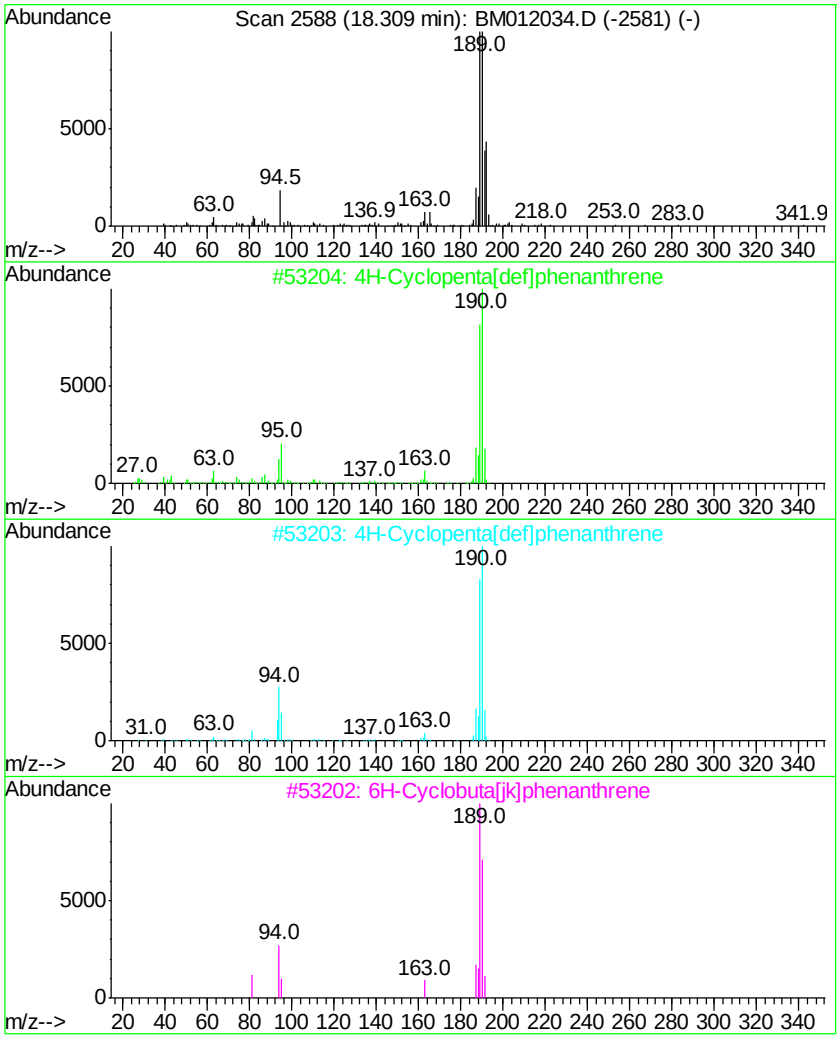
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

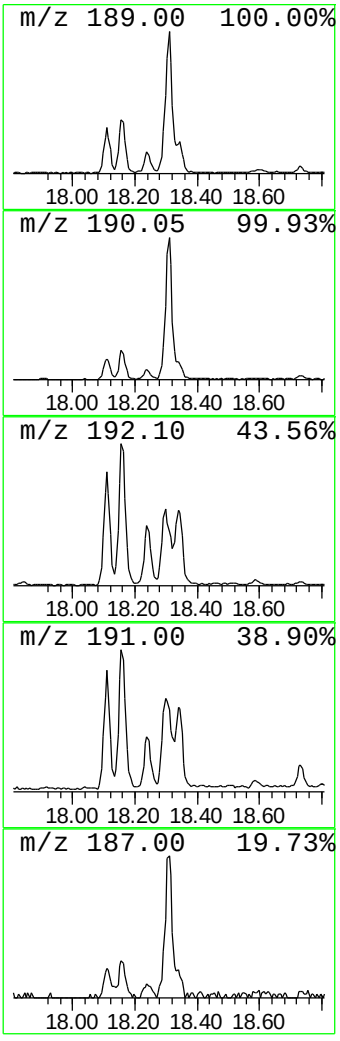
****

Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	3.80 ng/ul	518954	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38





Data Path : Z:\HPCHEM1\BNA M\DATA\BM100917\
Data File : BM012034.D
Acq On : 10 Oct 2017 04:04
Operator : SJ/JU
Sample : I5533-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-77(1-3)-092817

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

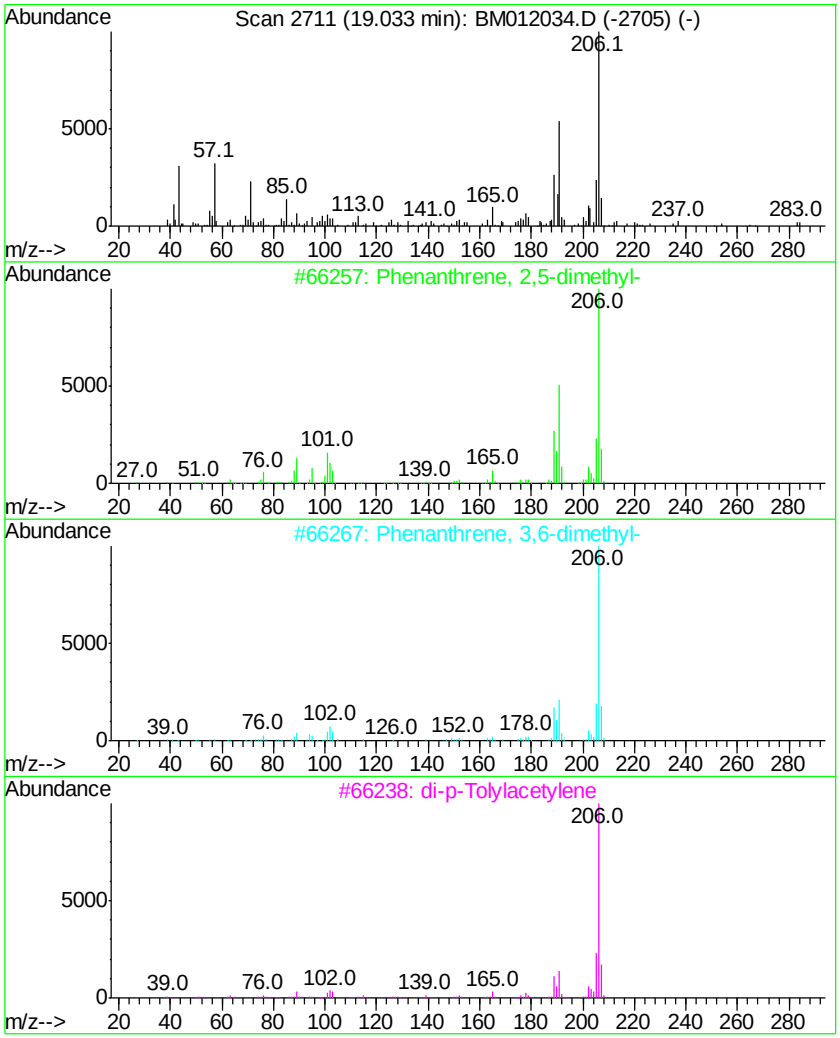
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

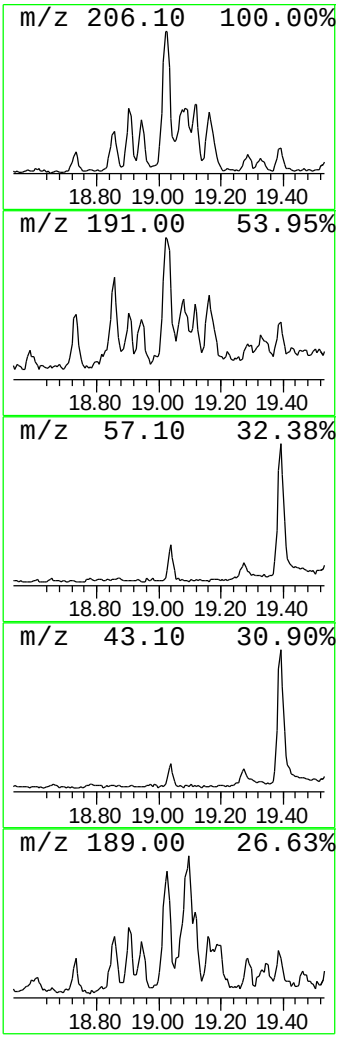
****

Peak Number 4 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.03	2.31 ng/ul	314485	Phenanthrene-d10	17.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	83





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100917\
Data File : BM012034.D
Acq On : 10 Oct 2017 04:04
Operator : SJ/JU
Sample : I5533-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-77(1-3)-092817

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

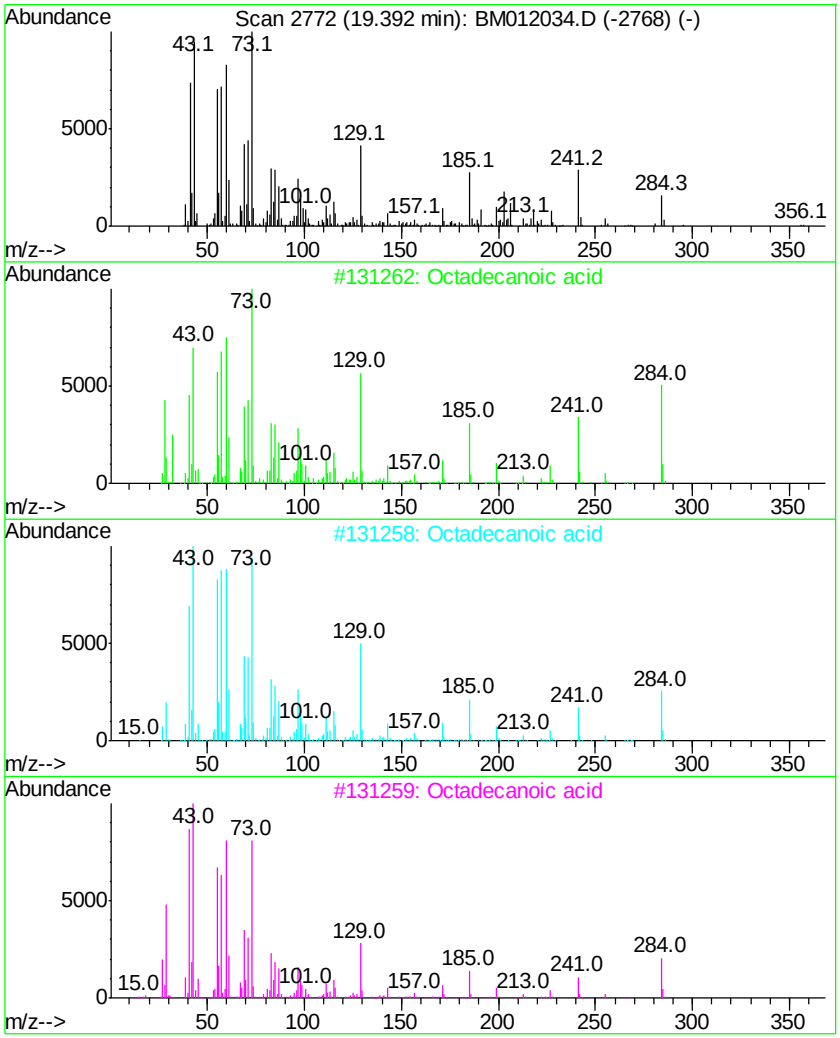
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

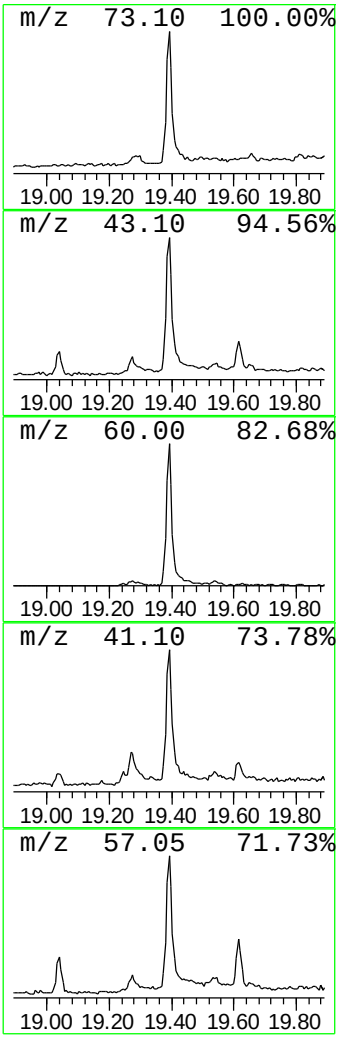
****

Peak Number 5 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.39	2.60 ng/ul	932784	Chrysene-d12	21.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Octadecanoic acid	284	C18H36O2	000057-11-4	99
3	Octadecanoic acid	284	C18H36O2	000057-11-4	98
4	Octadecanoic acid	284	C18H36O2	000057-11-4	95
5	Octadecanoic acid	284	C18H36O2	000057-11-4	94





Data Path : Z:\HPCHEM1\BNA M\DATA\BM100917\
Data File : BM012034.D
Acq On : 10 Oct 2017 04:04
Operator : SJ/JU
Sample : I5533-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-77(1-3)-092817

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

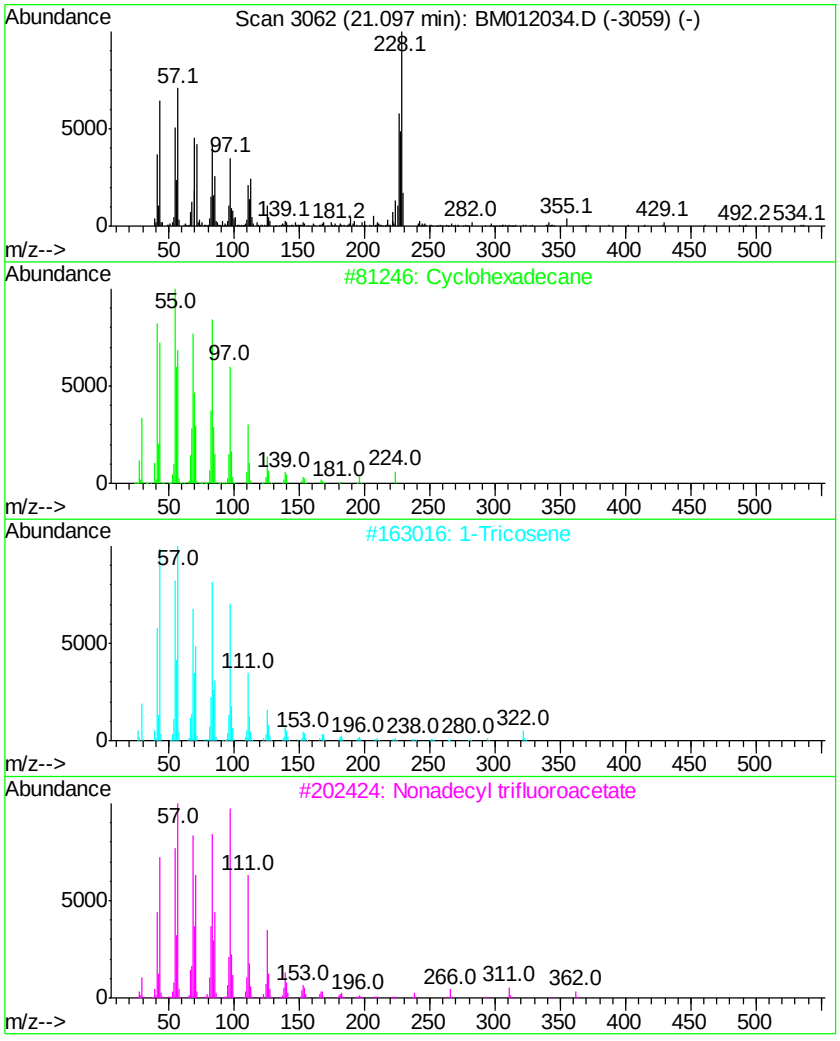
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

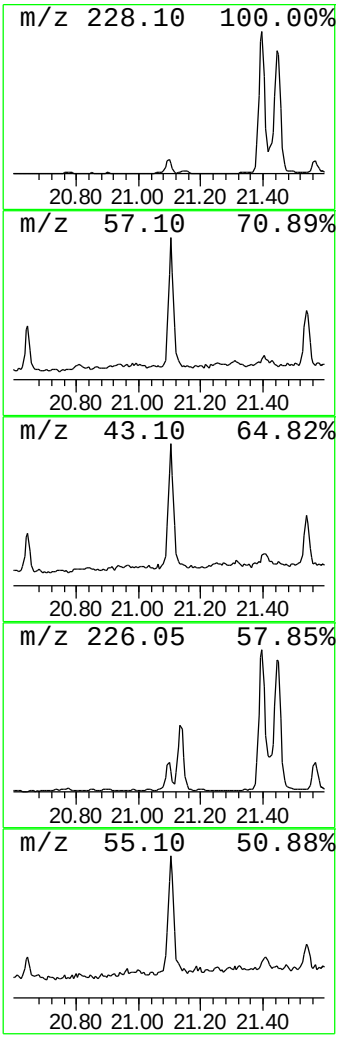
****

Peak Number 6 (DEL) Alkane: Cyclic21.10 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.10	2.20 ng/ul	790582	Chrysene-d12	21.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	86
2	1-Tricosene	322	C23H46	018835-32-0	84
3	Nonadecyl trifluoroacetate	380	C21H39F3O2	1000351-76-3	60
4	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	60
5	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	53





Data Path : Z:\HPCHEM1\BNA M\DATA\BM100917\
Data File : BM012034.D
Acq On : 10 Oct 2017 04:04
Operator : SJ/JU
Sample : I5533-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-77(1-3)-092817

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

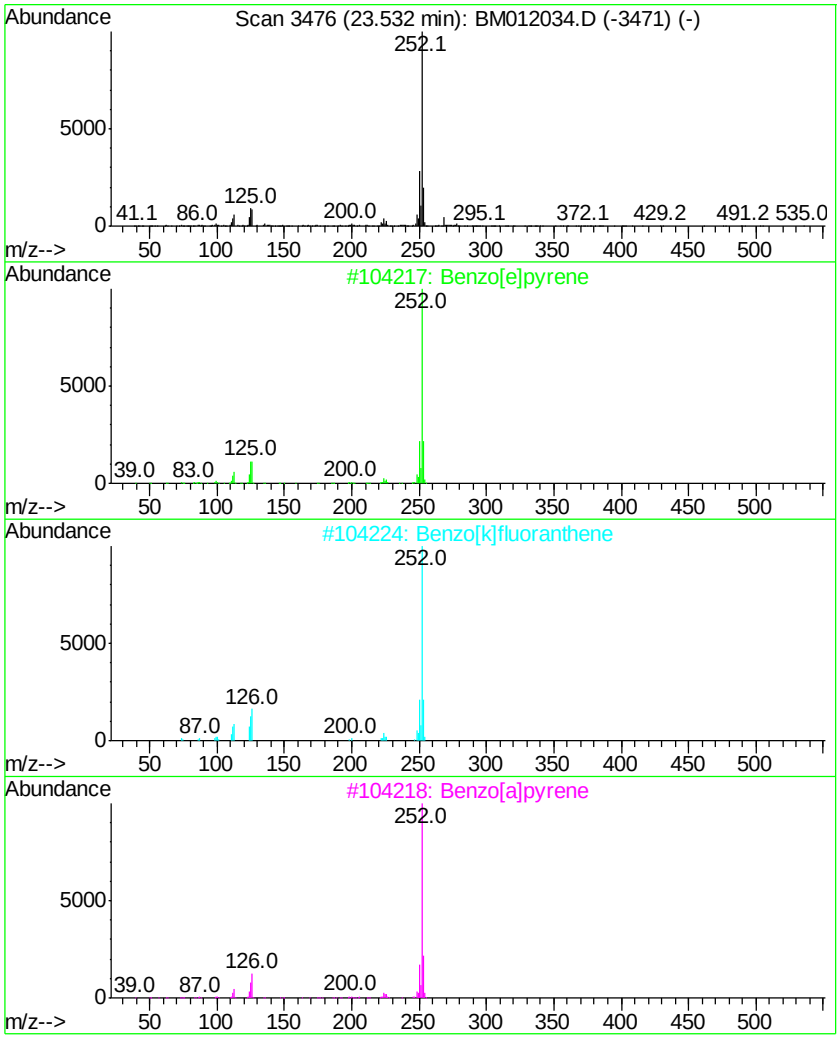
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

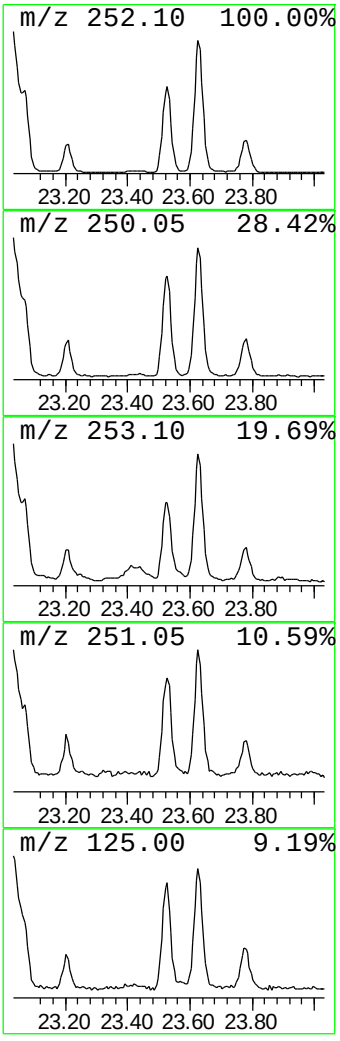
****

Peak Number 7 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.53	4.76 ng/ul	1046690	Perylene-d12	23.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Perylene	252	C20H12	000198-55-0	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM100917\
Data File : BM012034.D
Acq On : 10 Oct 2017 04:04
Operator : SJ/JU
Sample : I5533-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-77(1-3)-092817

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
n-Hexadecanoic acid	18.12	8.1	ng/ul	1107150	4	17.23	2728550	20.0
Phenanthrene, 2-m...	18.16	3.5	ng/ul	480189	4	17.23	2728550	20.0
4H-Cyclopenta[def...	18.31	3.8	ng/ul	518954	4	17.23	2728550	20.0
Phenanthrene, 2,5...	19.03	2.3	ng/ul	314485	4	17.23	2728550	20.0
Octadecanoic acid	19.39	2.6	ng/ul	932784	5	21.41	7177400	20.0
(DEL) Alkane: Cyc...	21.10	2.2	ng/ul	790582	5	21.41	7177400	20.0
Benzo[e]pyrene	23.53	4.8	ng/ul	1046690	6	23.73	4397080	20.0