LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051922\
Data File : BM035164.D
Acq On : 19 May 2022 22:11
Operator : CG/JU
Sample : N2889-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
RO-211-051-SOIL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM035164.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.481	401	407	416	rBV	2958010	4221081	49.78%	8.696%
2	7.075	670	678	694	rBV	2829359	4416226	52.08%	9.098%
3	7.904	812	819	827	rBV	536811	840796	9.92%	1.732%
4	9.063	1008	1016	1027	rVB	1749201	2833020	33.41%	5.837%
5	10.704	1287	1295	1301	rBV	645888	1090350	12.86%	2.246%
6	13.168	1707	1714	1728	rVB	4321320	6080709	71.71%	12.528%
7	13.998	1847	1855	1860	rBV	68693	107849	1.27%	0.222%
8	14.539	1940	1947	1954	rBV	897290	1335587	15.75%	2.752%
9	16.027	2193	2200	2208	rBV	3181059	4446748	52.44%	9.161%
10	17.286	2407	2414	2418	rBV	1046894	1499229	17.68%	3.089%
11	17.327	2418	2421	2428	rVV	159312	221414	2.61%	0.456%
12	18.192	2559	2568	2577	rBV2	462593	806009	9.51%	1.661%
13	18.356	2591	2596	2600	rBV2	65174	116316	1.37%	0.240%
14	19.215	2738	2742	2750	rBV	48308	91500	1.08%	0.189%
15	19.345	2757	2764	2771	rBV	496307	727701	8.58%	1.499%
16	19.462	2780	2784	2792	rBV2	226326	337702	3.98%	0.696%
17	19.703	2816	2825	2833	rBV	678417	1140401	13.45%	2.349%
18	19.909	2855	2860	2865	rBV	7011401	8479557	100.00%	17.470%
19	20.197	2906	2909	2913	rVB	116746	143699	1.69%	0.296%
20	20.303	2923	2927	2930	rBV	83946	112468	1.33%	0.232%
21	20.356	2933	2936	2941	rVB2	89987	128468	1.52%	0.265%
22	20.497	2957	2960	2964	rBV	69857	86277	1.02%	0.178%
23	20.544	2966	2968	2972	rVB	78284	91751	1.08%	0.189%
24	21.186	3073	3077	3083	rBV3	780467	1003752	11.84%	2.068%
25	21.468	3118	3125	3129	rBV2	1575291	2731867	32.22%	5.628%
26	21.503	3129	3131	3138	rVB	500596	554485	6.54%	1.142%
27	21.627	3150	3152	3157	rVB3	123091	160377	1.89%	0.330%
28	23.133	3403	3408	3413	rBV	561036	1238846	14.61%	2.552%
29	23.644	3491	3495	3503	rVB	358417	687897	8.11%	1.417%
30	23.750	3508	3513	3522	rVB	487452	995425	11.74%	2.051%
31	23.856	3525	3531	3537	rBV2	950992	1811203	21.36%	3.731%

Sum of corrected areas: 48538710

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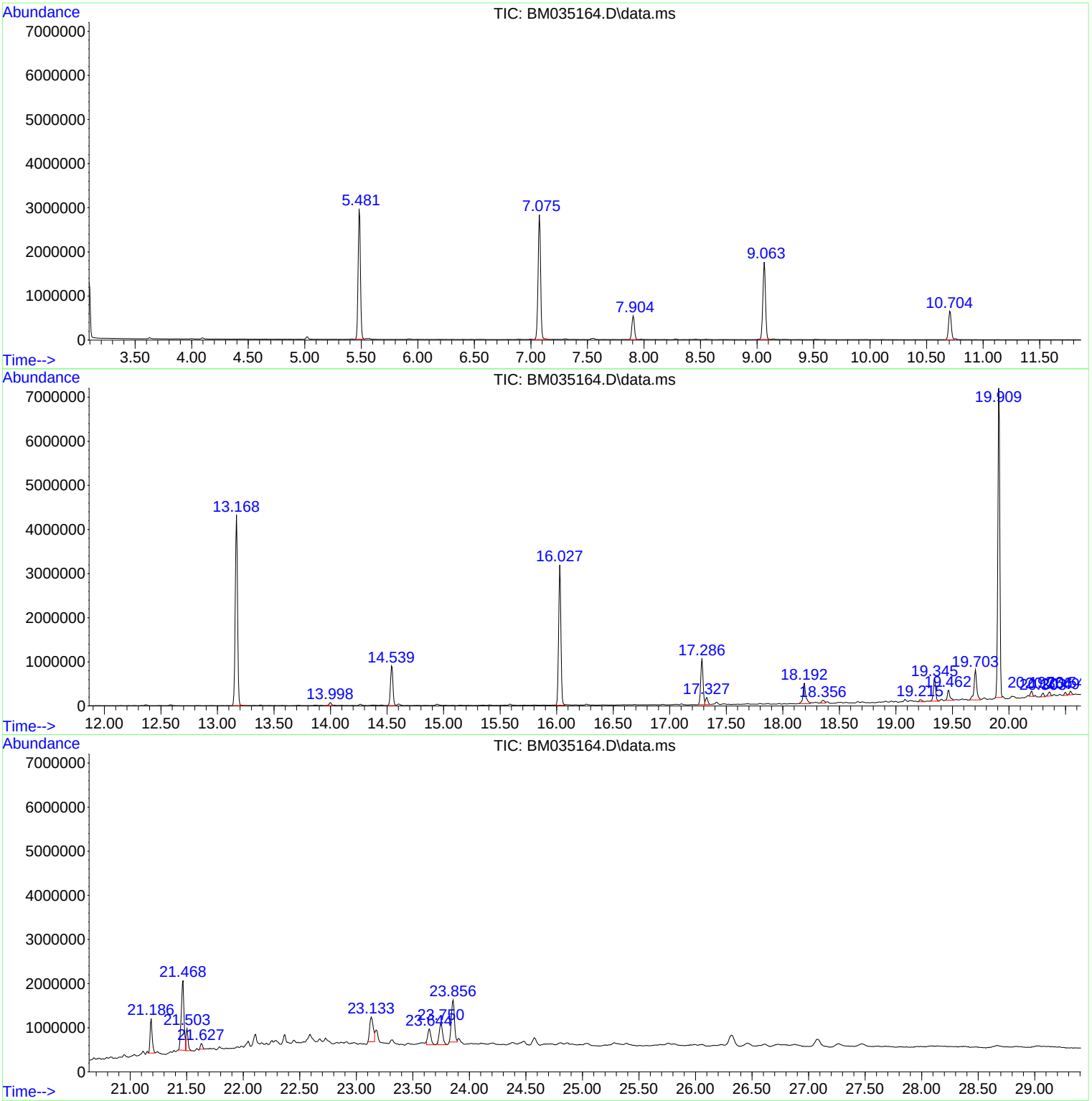
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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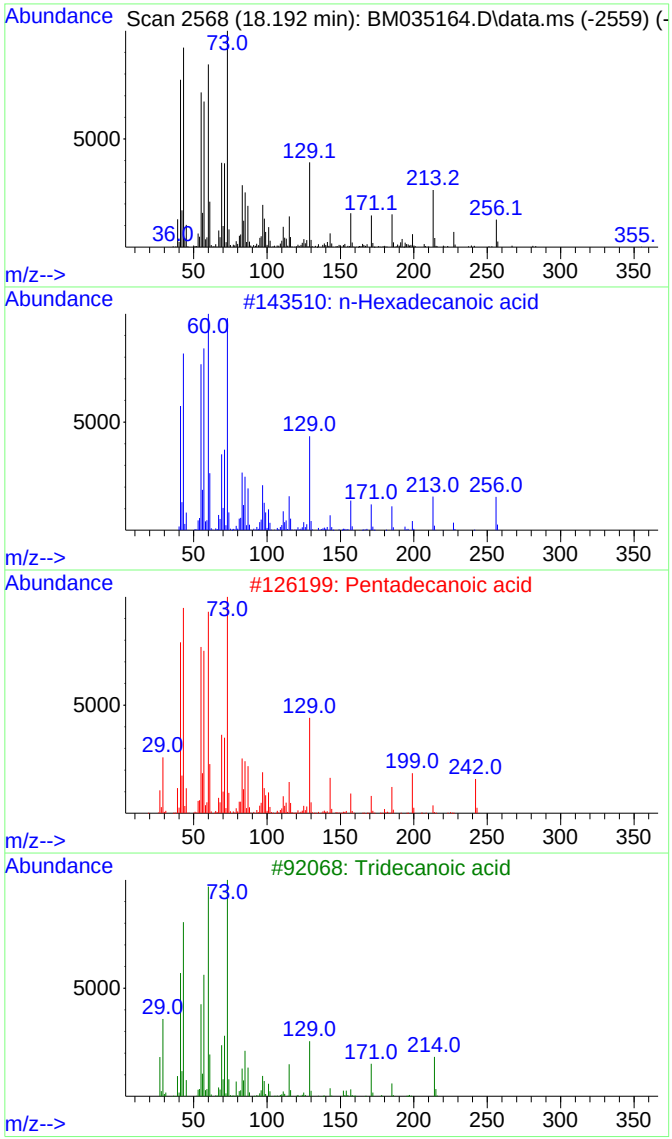
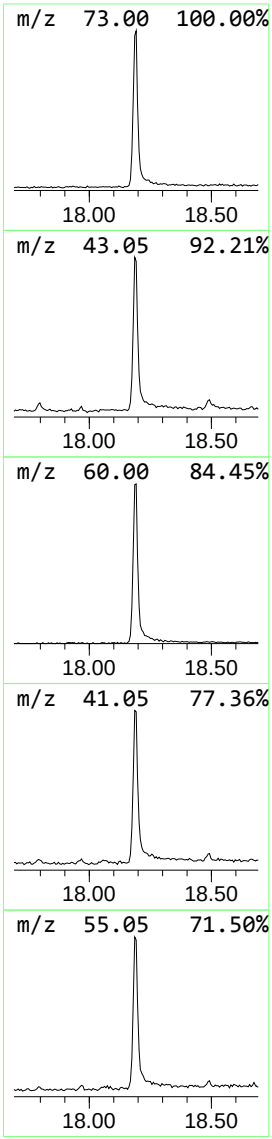
Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.192	10.75 ng	806009	Phenanthrene-d10	17.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3	Tridecanoic acid	214	C13H26O2	000638-53-9	91
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5	n-Decanoic acid	172	C10H20O2	000334-48-5	76





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ClientSampleId :
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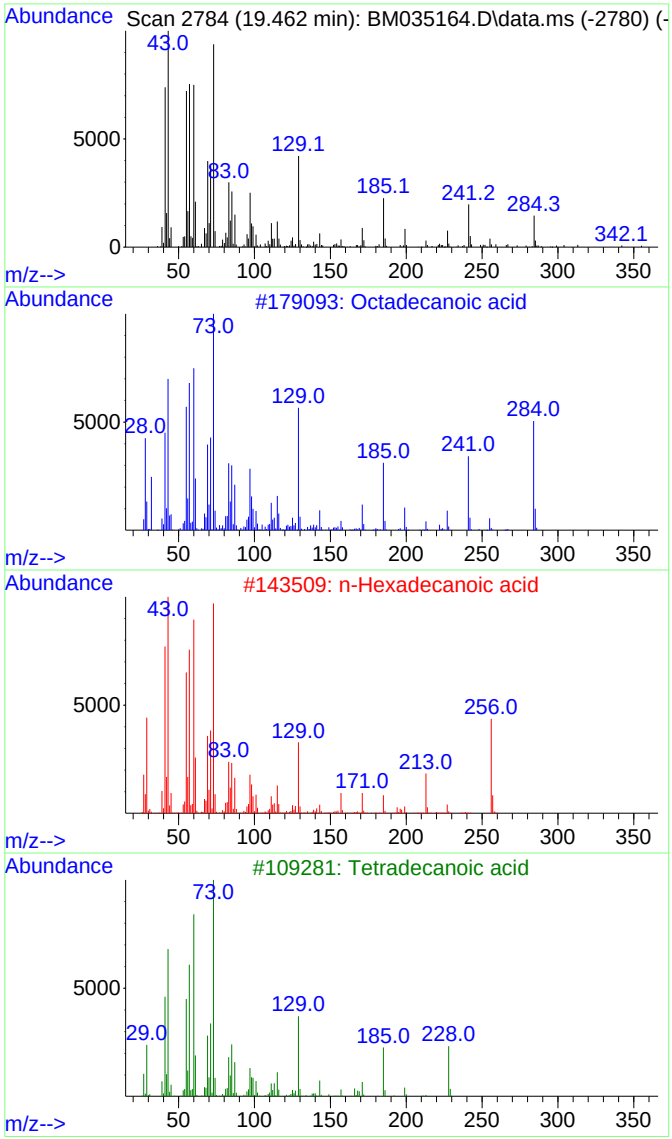
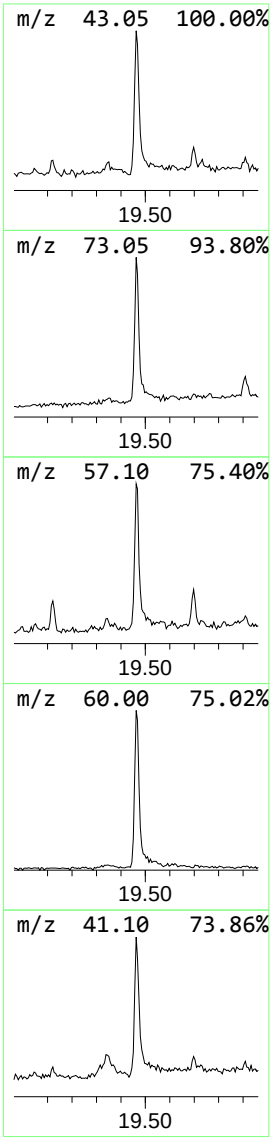
Peak Number 2 Octadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.462	2.47 ng	337702	Chrysene-d12	21.468

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	83
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
5	n-Decanoic acid	172	C10H20O2	000334-48-5	53





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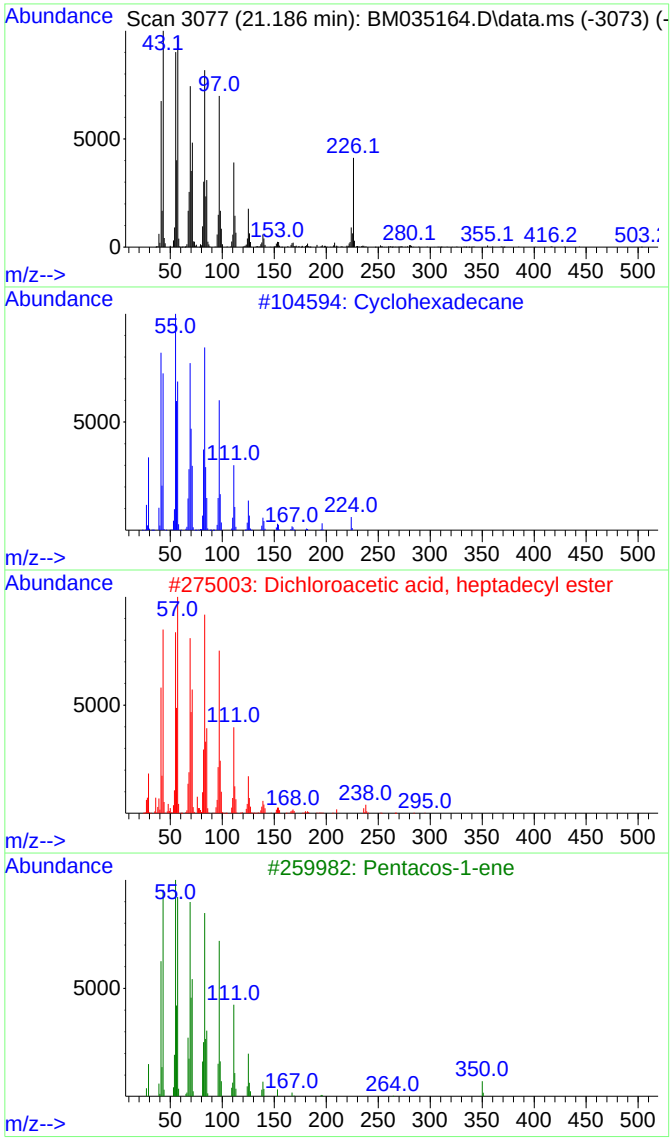
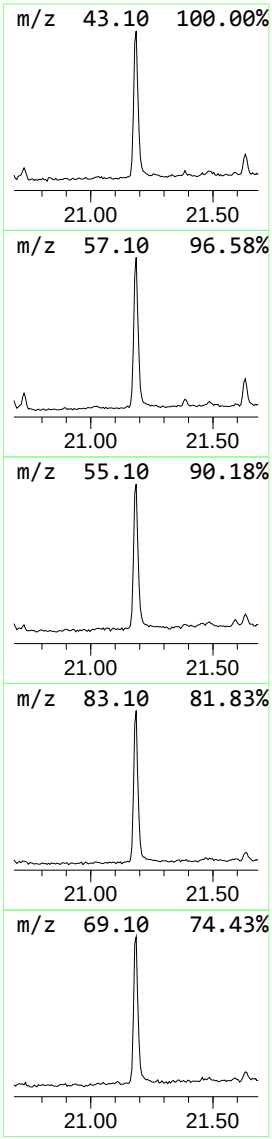
Peak Number 3 Cyclohexadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.186	7.35 ng	1003750	Chrysene-d12	21.468

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	94
2	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	91
3	Pentacos-1-ene	350	C25H50	016980-85-1	91
4	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91
5	1-Tetracosene	336	C24H48	010192-32-2	91





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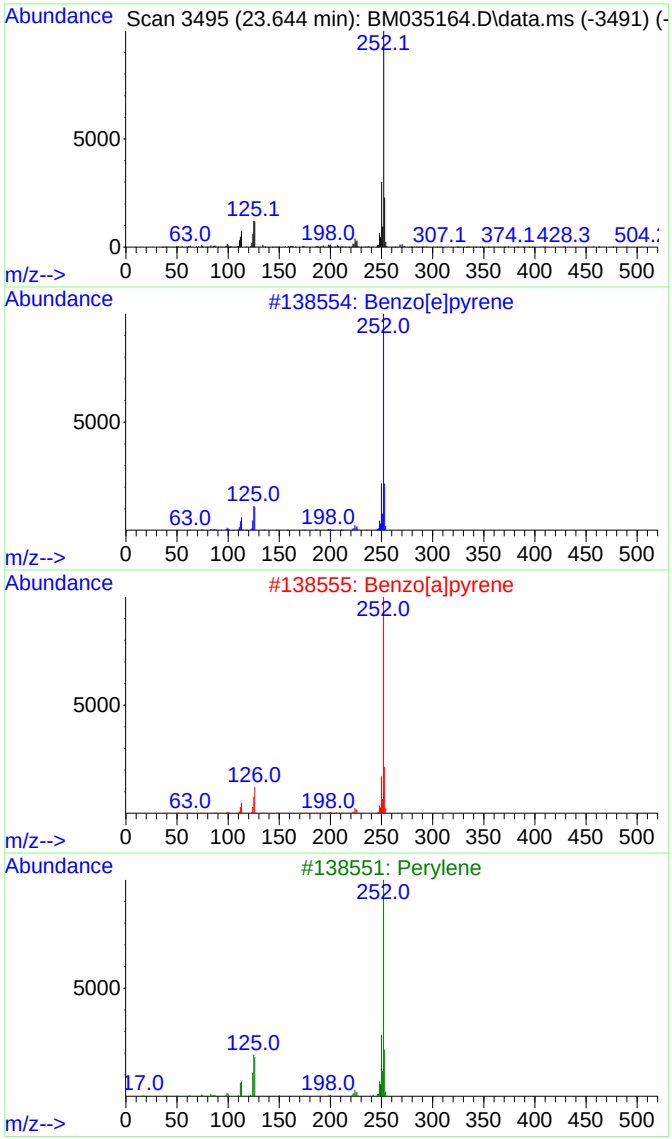
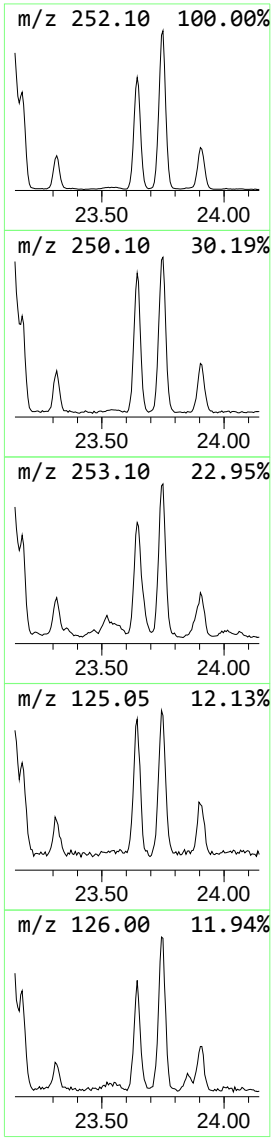
Peak Number 4 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.644	7.60 ng	687897	Perylene-d12	23.856

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	97
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94





Tentatively Identified Compound (LSC) summary

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					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
n-Hexadecanoic ...	18.192	10.8	ng	806009	4	17.286	1499230	20.0
Octadecanoic acid	19.462	2.5	ng	337702	5	21.468	2731870	20.0
Cyclohexadecane	21.186	7.3	ng	1003750	5	21.468	2731870	20.0
Benzo[e]pyrene	23.644	7.6	ng	687897	6	23.856	1811200	20.0