LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030118\
Data File : BM014450.D
Acq On : 02 Mar 2018 01:36
Operator : SJ/JU
Sample : J1678-19
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z2

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-BM021418.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	4.675	283	287	289	rBV3	29003	45141	1.28%	0.108%
2	6.728	630	636	651	rVB	303404	584501	16.54%	1.398%
3	6.869	655	660	669	rBV	234201	367699	10.40%	0.880%
4	7.063	686	693	700	rBV	356051	595881	16.86%	1.426%
5	7.516	764	770	780	rBV	312358	511808	14.48%	1.224%
6	8.251	888	895	909	rBV2	408317	773945	21.90%	1.852%
7	8.681	961	968	978	rBV	381287	660404	18.68%	1.580%
8	9.392	1083	1089	1101	rBV	310589	593355	16.79%	1.419%
9	9.939	1174	1182	1195	rBV	429297	892124	25.24%	2.134%
10	10.286	1233	1241	1247	rBV	472807	822786	23.28%	1.968%
11	10.339	1247	1250	1255	rVB2	34732	53079	1.50%	0.127%
12	10.457	1263	1270	1283	rBV2	258921	607758	17.20%	1.454%
13	12.986	1696	1700	1705	rBV7	26647	44554	1.26%	0.107%
14	13.492	1780	1786	1793	rBV9	18847	43784	1.24%	0.105%
15	13.604	1799	1805	1809	rBV	935214	1350273	38.20%	3.230%
16	13.645	1809	1812	1818	rVB	173095	256311	7.25%	0.613%
17	13.868	1842	1850	1862	rBV	1149711	1900738	53.78%	4.547%
18	14.074	1880	1885	1891	rBV3	75470	110648	3.13%	0.265%
19	14.180	1897	1903	1910	rBV2	783811	1209417	34.22%	2.893%
20	14.245	1910	1914	1919	rVB3	63258	92197	2.61%	0.221%
21	14.480	1948	1954	1968	rBV2	232144	658767	18.64%	1.576%
22	14.592	1968	1973	1977	rVV	33143	64332	1.82%	0.154%
23	14.980	2032	2039	2043	rBV8	33948	47238	1.34%	0.113%
24	15.039	2045	2049	2052	rVV	55123	60119	1.70%	0.144%
25	15.186	2068	2074	2080	rBV	1418402	2043816	57.82%	4.889%
26	15.239	2080	2083	2088	rVB	67131	97606	2.76%	0.234%
27	15.368	2101	2105	2108	rBV6	42056	67068	1.90%	0.160%
28	15.445	2111	2118	2122	rVB8	27685	75083	2.12%	0.180%
29	15.533	2130	2133	2140	rBV6	23863	43911	1.24%	0.105%
30	15.692	2155	2160	2166	rVB6	20336	49550	1.40%	0.119%
31	15.904	2192	2196	2205	rVB5	62842	127135	3.60%	0.304%
32	16.245	2249	2254	2260	rBV10	29337	70280	1.99%	0.168%
33	16.609	2312	2316	2321	rVB2	67428	107400	3.04%	0.257%
34	16.692	2327	2330	2336	rBV8	36731	62130	1.76%	0.149%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030118\
Data File : BM014450.D
Acq On : 02 Mar 2018 01:36
Operator : SJ/JU
Sample : J1678-19
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z2

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-BM021418.M
Title : SVOA CALIBRATION

35	16.762	2336	2342	2349	rVB2	68859	114740	3.25%	0.274%
36	16.945	2367	2373	2377	rBV	1135951	1657465	46.89%	3.965%
37	16.986	2377	2380	2385	rVV	981441	1313129	37.15%	3.141%
38	17.045	2385	2390	2394	rVV2	1690863	2441859	69.09%	5.842%
39	17.080	2394	2396	2402	rVB2	215405	256857	7.27%	0.614%
40	17.145	2402	2407	2409	rBV6	25252	42229	1.19%	0.101%
41	17.333	2436	2439	2441	rBV3	46502	56019	1.58%	0.134%
42	17.368	2441	2445	2452	rVB2	78019	132074	3.74%	0.316%
43	17.468	2458	2462	2466	rVV6	34779	46882	1.33%	0.112%
44	17.527	2469	2472	2481	rVB10	38119	90615	2.56%	0.217%
45	17.821	2517	2522	2524	rBV	173422	228486	6.46%	0.547%
46	17.856	2524	2528	2536	rVB2	298527	719598	20.36%	1.722%
47	17.956	2542	2545	2550	rVB	68958	85494	2.42%	0.205%
48	18.015	2550	2555	2559	rBV2	238842	433894	12.28%	1.038%
49	18.056	2559	2562	2568	rVB	135041	200415	5.67%	0.479%
50	18.133	2572	2575	2580	rBV6	39282	62047	1.76%	0.148%
51	18.333	2605	2609	2613	rBV	103784	144563	4.09%	0.346%
52	18.386	2615	2618	2623	rBV3	151623	223488	6.32%	0.535%
53	18.633	2657	2660	2663	rBV3	48376	61351	1.74%	0.147%
54	18.751	2676	2680	2687	rBV4	134151	252974	7.16%	0.605%
55	18.903	2704	2706	2712	rVB2	113103	140300	3.97%	0.336%
56	19.021	2721	2726	2732	rVB	1825383	2345215	66.35%	5.611%
57	19.356	2778	2783	2786	rBV	2396874	3534487	100.00%	8.456%
58	19.386	2786	2788	2796	rVB	1786269	2033677	57.54%	4.865%
59	19.986	2888	2890	2892	rBV2	127706	135092	3.82%	0.323%
60	20.650	3000	3003	3007	rBV2	187841	249096	7.05%	0.596%
61	20.868	3037	3040	3050	rVB3	756485	1023537	28.96%	2.449%
62	21.162	3084	3090	3094	rBV2	1845755	3329578	94.20%	7.965%
63	21.197	3094	3096	3101	rVB	887156	989917	28.01%	2.368%
64	22.662	3342	3345	3349	rBV	958185	1311336	37.10%	3.137%
65	23.215	3434	3439	3443	rBV2	1118315	1952291	55.24%	4.671%
66	23.350	3458	3462	3467	rVB	678616	1100785	31.14%	2.633%

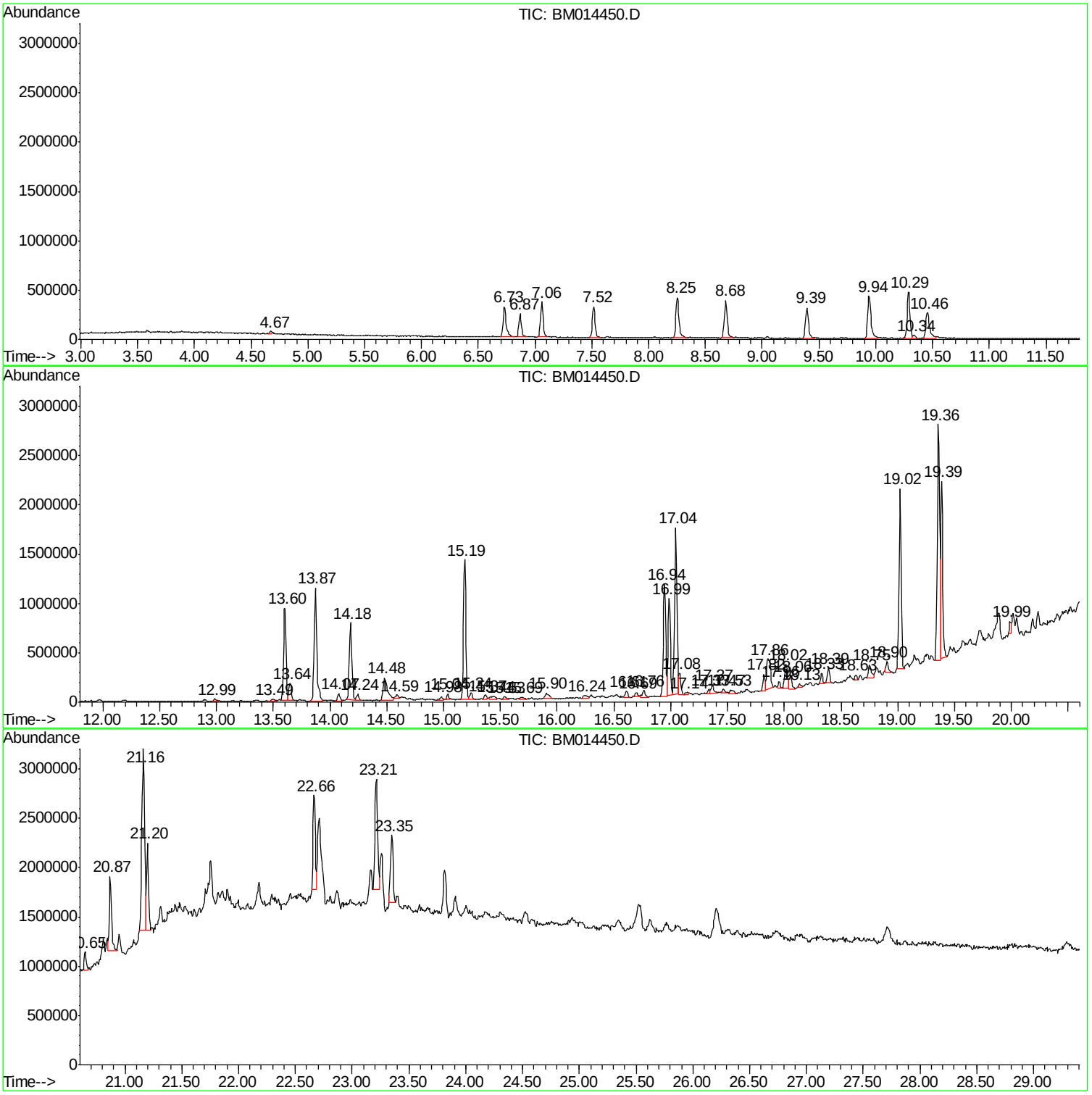
Sum of corrected areas: 41800328

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030118\
Data File : BM014450.D
Acq On : 02 Mar 2018 01:36
Operator : SJ/JU
Sample : J1678-19
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM030118\
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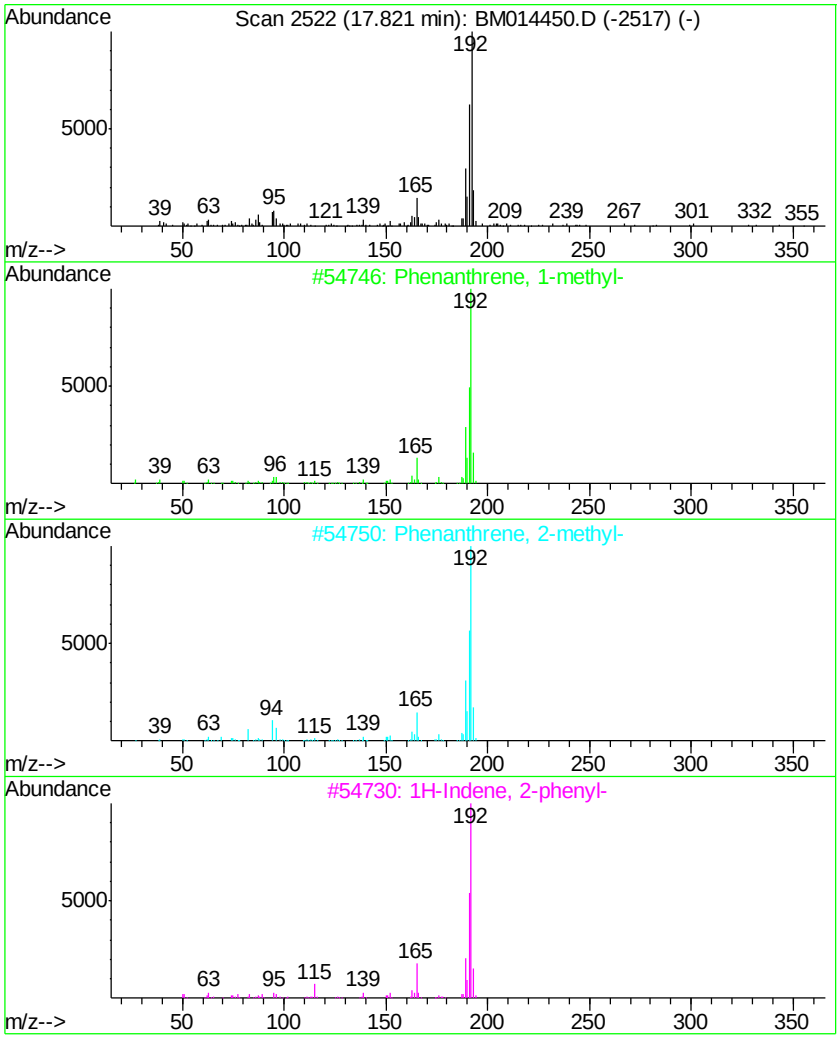
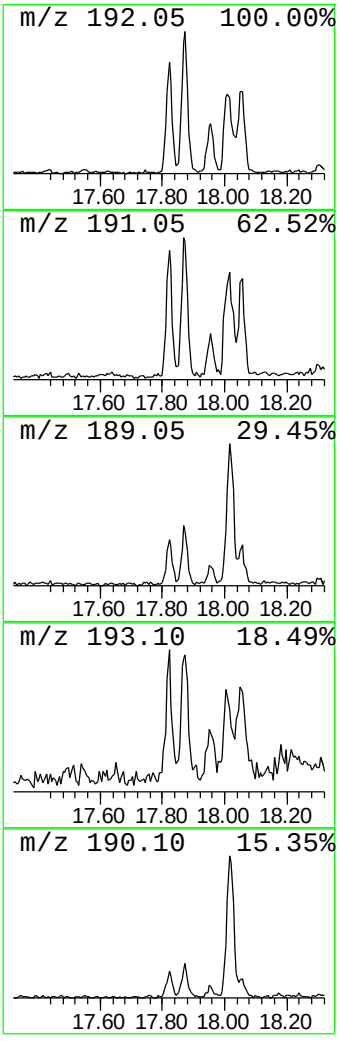
****

Peak Number 1 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	2.76 ng/ul	228486	Phenanthrene-d10	16.94

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	93
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





Data Path : Z:\HPCHEM1\BNA M\DATA\BM030118\
Data File : BM014450.D
Acq On : 02 Mar 2018 01:36
Operator : SJ/JU
Sample : J1678-19
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

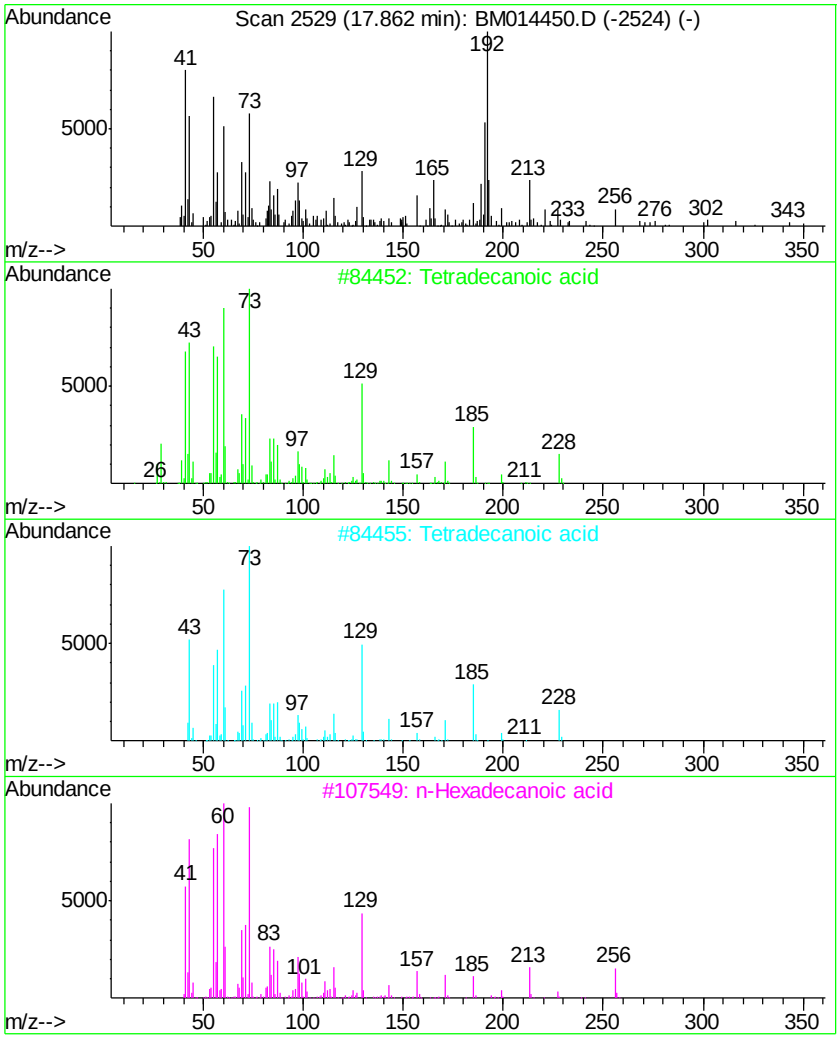
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

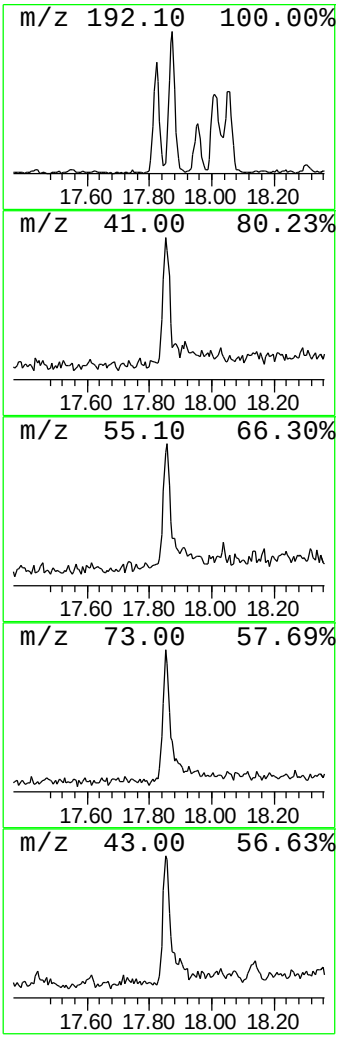
****

Peak Number 2 Tetradecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	8.68 ng/ul	719598	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecanoic acid	228	C14H28O2	000544-63-8	96
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	95
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
5	n-Decanoic acid	172	C10H20O2	000334-48-5	89





Data Path : Z:\HPCHEM1\BNA M\DATA\BM030118\
Data File : BM014450.D
Acq On : 02 Mar 2018 01:36
Operator : SJ/JU
Sample : J1678-19
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

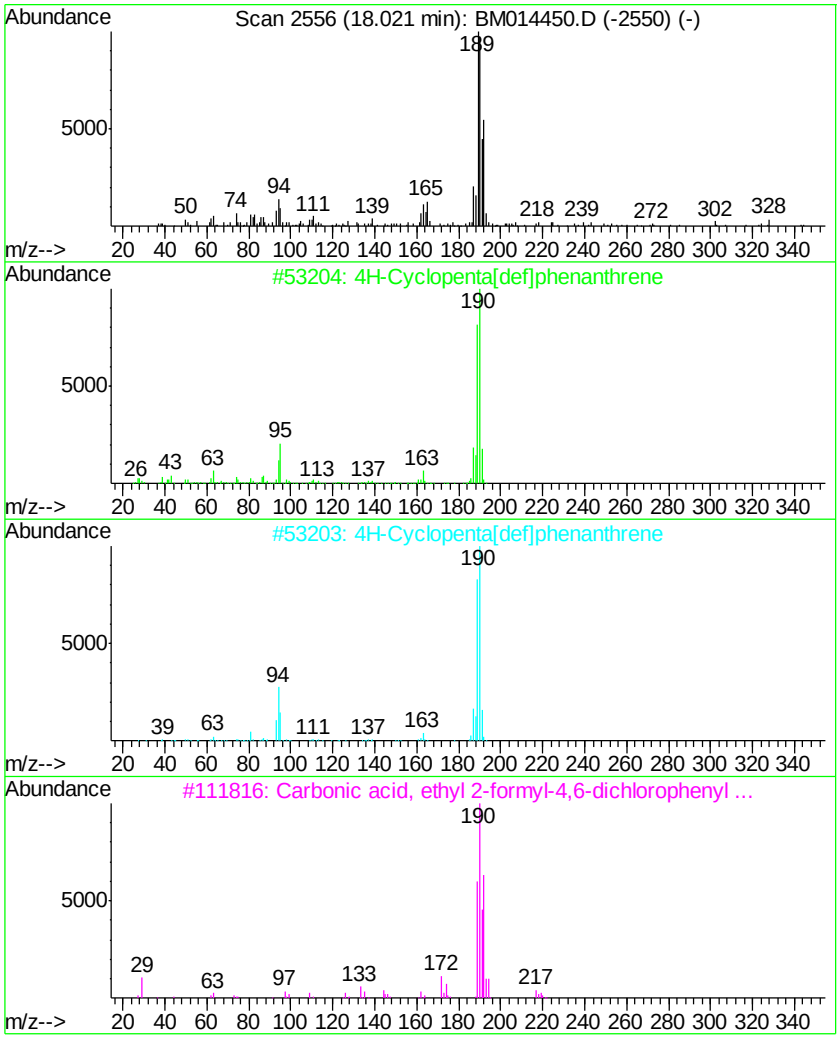
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

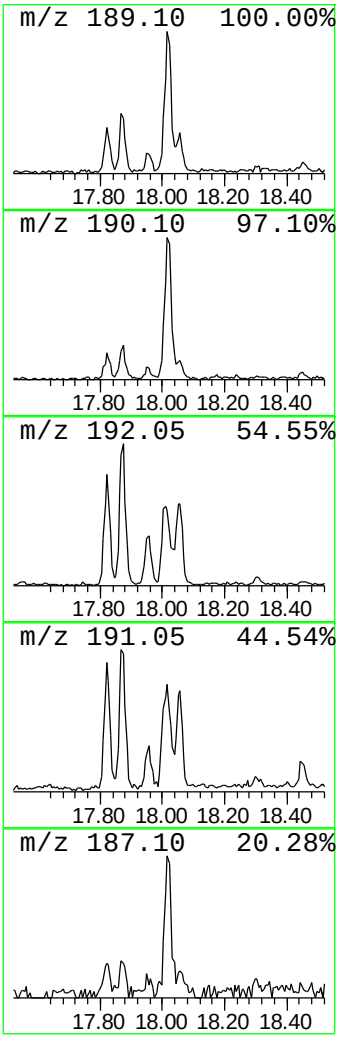
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	5.24 ng/ul	433894	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	43





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030118\
Data File : BM014450.D
Acq On : 02 Mar 2018 01:36
Operator : SJ/JU
Sample : J1678-19
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

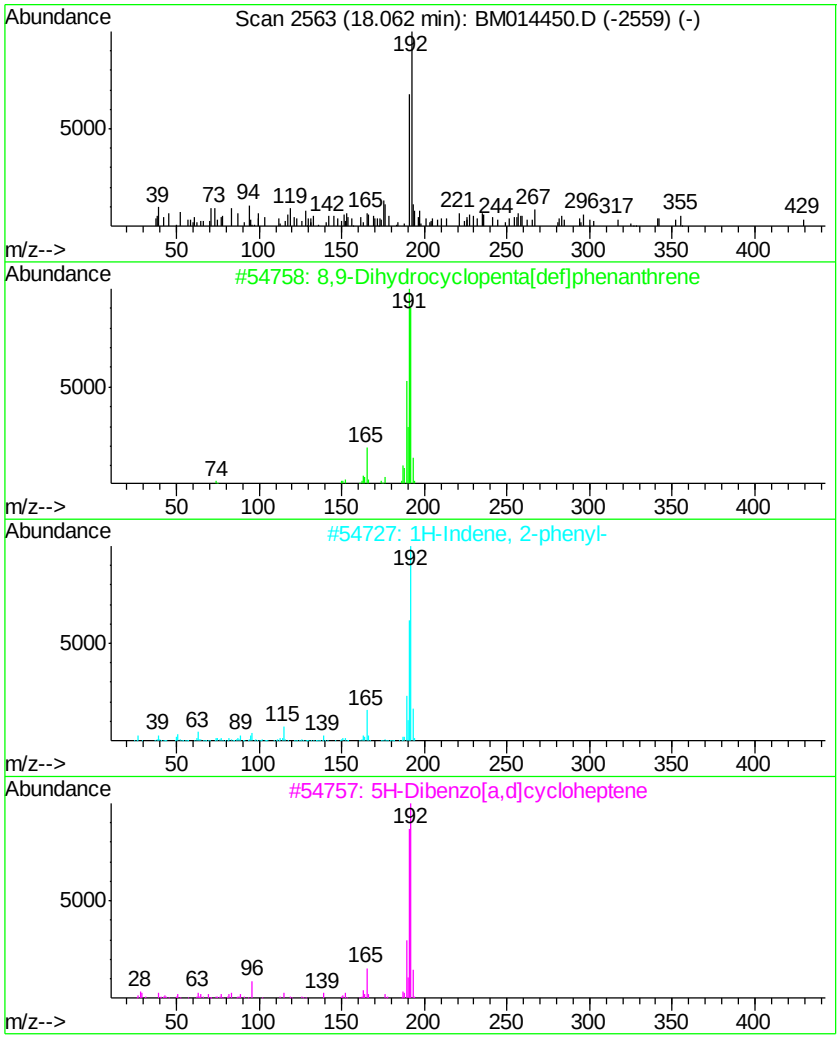
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

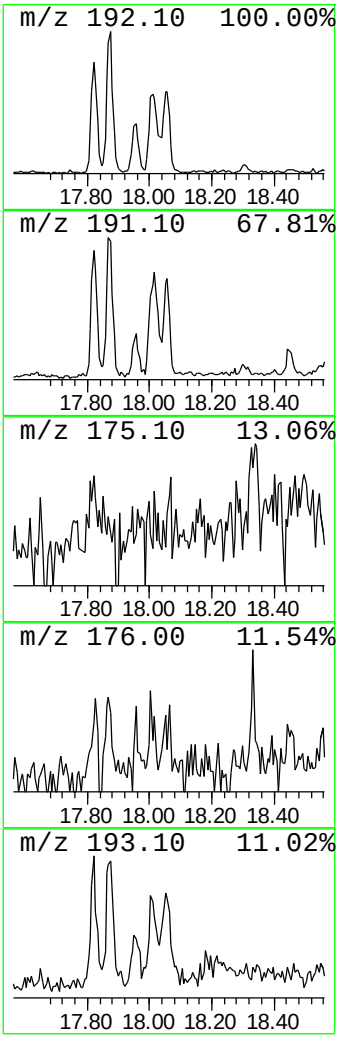
****

Peak Number 4 8,9-Dihydrocyclopenta[def]p... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	2.42 ng/ul	200415	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	81
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	64
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	64
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	64
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	58





Data Path : Z:\HPCHEM1\BNA M\DATA\BM030118\
Data File : BM014450.D
Acq On : 02 Mar 2018 01:36
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Sample : J1678-19
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

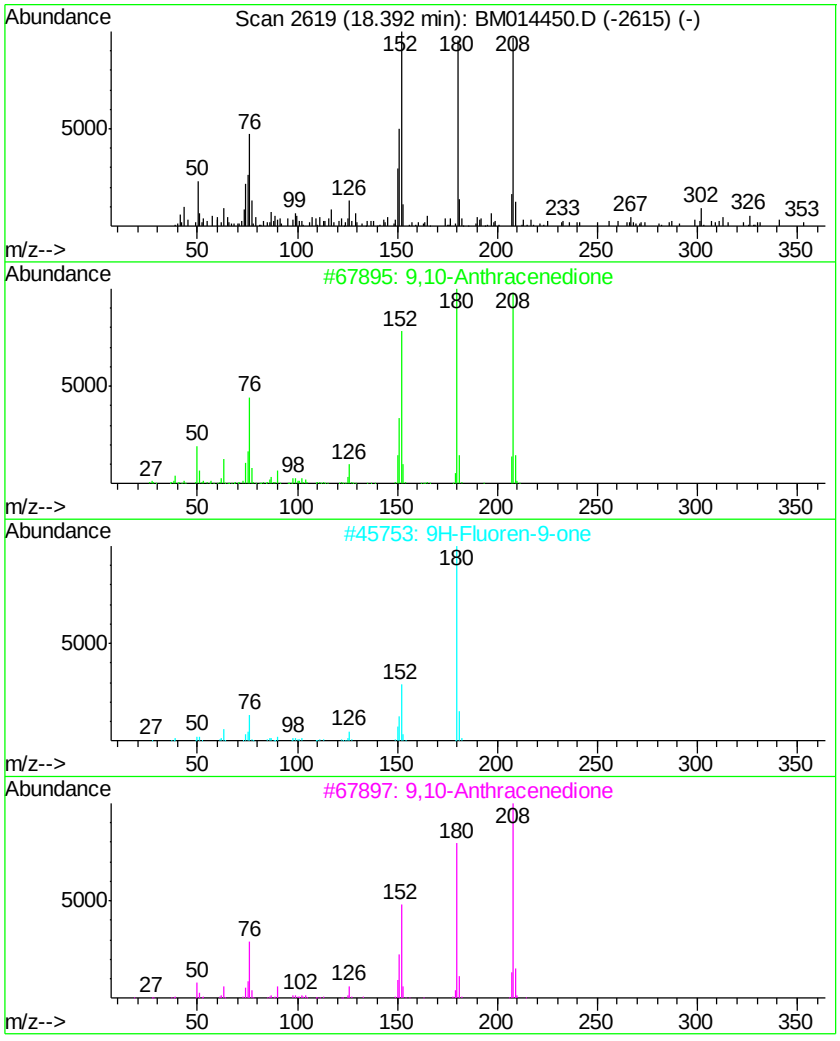
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

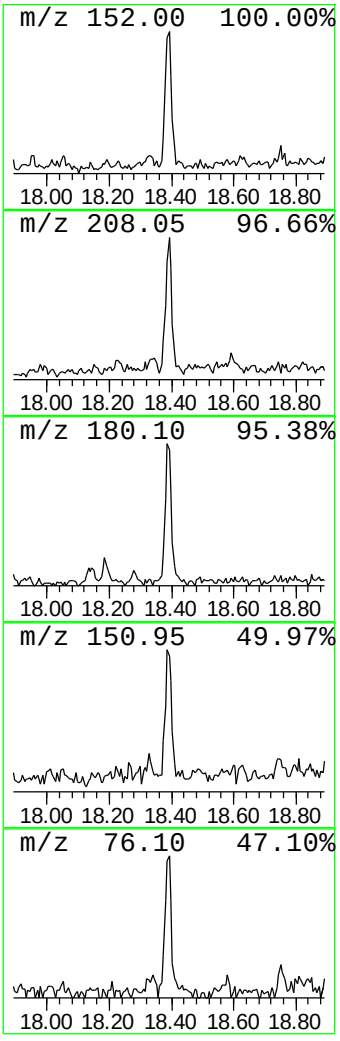
****

Peak Number 5 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	2.70 ng/ul	223488	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	87
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	86
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	72
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	64





Data Path : Z:\HPCHEM1\BNA M\DATA\BM030118\
Data File : BM014450.D
Acq On : 02 Mar 2018 01:36
Operator : SJ/JU
Sample : J1678-19
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

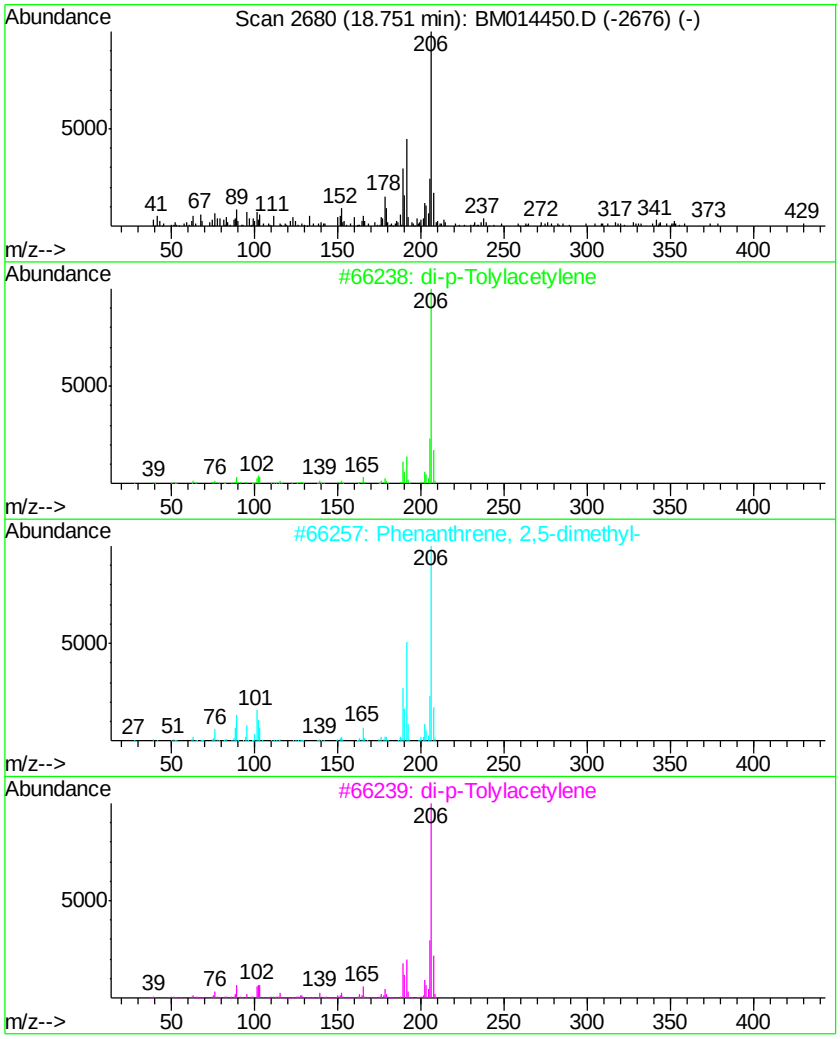
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

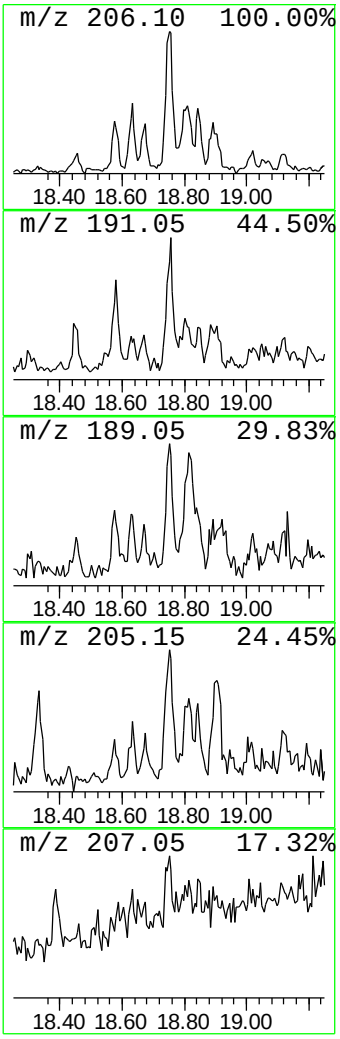
****

Peak Number 6 di-p-Tolylacetylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.75	3.05 ng/ul	252974	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	80





Data Path : Z:\HPCHEM1\BNA M\DATA\BM030118\
Data File : BM014450.D
Acq On : 02 Mar 2018 01:36
Operator : SJ/JU
Sample : J1678-19
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5Z2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

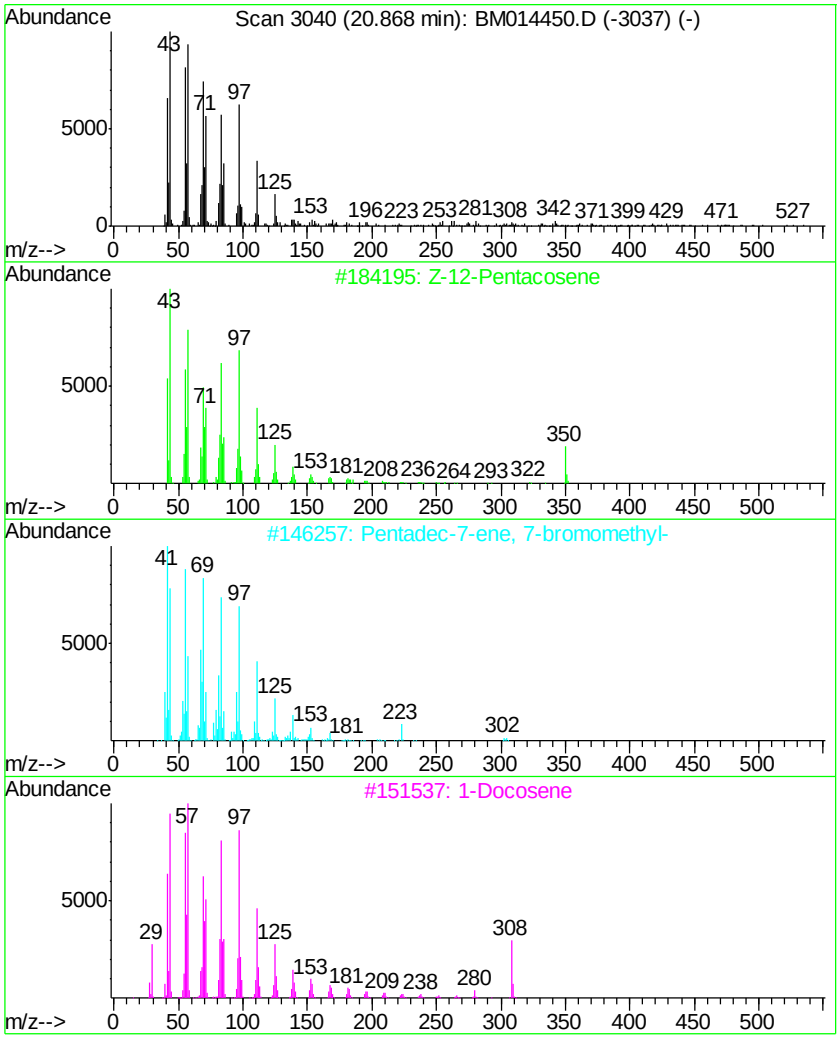
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

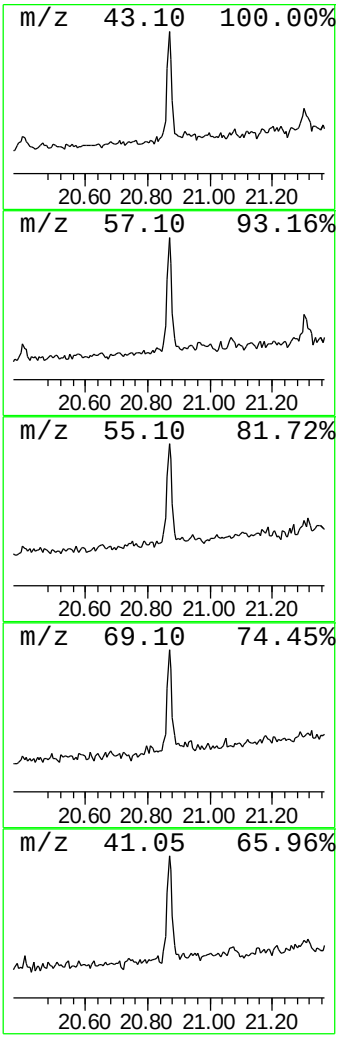
****

Peak Number 7 (DEL) Alkane: Cyclic20.87 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	6.15 ng/ul	1023540	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Z-12-Pentacosene	350	C25H50	1000131-09-4	90
2	Pentadec-7-ene, 7-bromomethyl-	302	C16H31Br	1000259-58-5	89
3	1-Docosene	308	C22H44	001599-67-3	87
4	Triacontyl acetate	480	C32H64O2	041755-58-2	70
5	1-Eicosene	280	C20H40	003452-07-1	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030118\
Data File : BM014450.D
Acq On : 02 Mar 2018 01:36
Operator : SJ/JU
Sample : J1678-19
Misc :
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Instrument : BNA_M
ClientSampleId : BE5Z2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.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
Phenanthrene, 1-m...	17.82	2.8	ng/ul	228486	4	16.94	1657470	20.0
Tetradecanoic acid	17.86	8.7	ng/ul	719598	4	16.94	1657470	20.0
4H-Cyclopenta[def...	18.02	5.2	ng/ul	433894	4	16.94	1657470	20.0
8,9-Dihydrocyclop...	18.06	2.4	ng/ul	200415	4	16.94	1657470	20.0
9,10-Anthracenedione	18.39	2.7	ng/ul	223488	4	16.94	1657470	20.0
di-p-Tolylacetylene	18.75	3.0	ng/ul	252974	4	16.94	1657470	20.0
(DEL) Alkane: Cyc...	20.87	6.2	ng/ul	1023540	5	21.16	3329580	20.0