LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082919\
Data File : BM022422.D
Acq On : 29 Aug 2019 23:49
Operator : HP/JU
Sample : K4439-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : S-2-(5-7)

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-BM082919.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.146	361	367	380	rVB	315247	469692	42.53%	5.448%
2	6.722	629	635	647	rBV	311261	523467	47.40%	6.071%
3	7.057	686	692	706	rBB	350137	549475	49.75%	6.373%
4	7.522	765	771	777	rBB	93375	139618	12.64%	1.619%
5	7.828	817	823	830	rBV	256278	399442	36.17%	4.633%
6	8.692	964	970	983	rBV	175740	308814	27.96%	3.582%
7	10.292	1235	1242	1250	rBV	95926	165131	14.95%	1.915%
8	12.786	1660	1666	1680	rBV	423598	602504	54.55%	6.988%
9	13.663	1810	1815	1822	rVB	37394	51972	4.71%	0.603%
10	14.180	1897	1903	1911	rVB2	145810	222880	20.18%	2.585%
11	15.698	2155	2161	2170	rBV	498947	683863	61.92%	7.932%
12	16.627	2310	2319	2324	rBB5	6089	11425	1.03%	0.133%
13	16.951	2367	2374	2378	rBV2	214127	287165	26.00%	3.331%
14	16.992	2378	2381	2388	rVB	87899	119884	10.85%	1.390%
15	17.086	2392	2397	2402	rBV2	12129	18149	1.64%	0.211%
16	17.845	2518	2526	2529	rBV2	61721	118319	10.71%	1.372%
17	17.874	2529	2531	2537	rVV	50487	65576	5.94%	0.761%
18	17.962	2541	2546	2551	rVV4	9083	18030	1.63%	0.209%
19	18.015	2551	2555	2559	rVV4	28311	47673	4.32%	0.553%
20	18.057	2559	2562	2569	rVB	15745	24956	2.26%	0.289%
21	18.339	2603	2610	2617	rBV2	20239	31196	2.82%	0.362%
22	18.404	2617	2621	2625	rVB3	7813	11290	1.02%	0.131%
23	18.580	2647	2651	2656	rVB2	11170	12068	1.09%	0.140%
24	18.633	2656	2660	2664	rBV	16638	17867	1.62%	0.207%
25	18.756	2676	2681	2685	rBV	33913	53053	4.80%	0.615%
26	18.809	2685	2690	2694	rBV3	10514	18717	1.69%	0.217%
27	18.851	2694	2697	2700	rVB2	9800	12523	1.13%	0.145%
28	19.021	2721	2726	2734	rBV	151951	204833	18.55%	2.376%
29	19.086	2734	2737	2741	rBV	15351	19285	1.75%	0.224%
30	19.139	2741	2746	2751	rVB5	20865	31881	2.89%	0.370%
31	19.268	2763	2768	2771	rBV5	7951	12607	1.14%	0.146%
32	19.362	2780	2784	2785	rBV3	23197	29604	2.68%	0.343%
33	19.392	2785	2789	2798	rVV	134376	192266	17.41%	2.230%
34	19.468	2798	2802	2807	rVB	21310	34694	3.14%	0.402%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082919\
Data File : BM022422.D
Acq On : 29 Aug 2019 23:49
Operator : HP/JU
Sample : K4439-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : S-2-(5-7)

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-BM082919.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	19.598	2818	2824	2829	rBV	947598	1104420	100.00%	12.810%
36	19.709	2839	2843	2846	rBV6	19902	32409	2.93%	0.376%
37	19.798	2854	2858	2861	rBV4	12614	18636	1.69%	0.216%
38	19.892	2862	2874	2880	rVV3	33574	95813	8.68%	1.111%
39	19.998	2888	2892	2895	rBV3	10820	17455	1.58%	0.202%
40	20.051	2897	2901	2905	rVV2	16585	24513	2.22%	0.284%
41	20.198	2922	2926	2930	rBV	15742	22636	2.05%	0.263%
42	20.239	2930	2933	2936	rBV3	13242	18506	1.68%	0.215%
43	20.492	2973	2976	2978	rBV3	13747	14414	1.31%	0.167%
44	20.533	2978	2983	2986	rBV5	20171	32678	2.96%	0.379%
45	20.656	3001	3004	3008	rBV2	29591	40956	3.71%	0.475%
46	20.733	3014	3017	3021	rBV6	12727	21280	1.93%	0.247%
47	20.815	3027	3031	3034	rVV	33384	45981	4.16%	0.533%
48	20.862	3034	3039	3048	rVV4	93321	165897	15.02%	1.924%
49	21.168	3084	3091	3095	rBV2	437598	667752	60.46%	7.745%
50	21.203	3095	3097	3102	rVB	79905	89363	8.09%	1.036%
51	22.709	3349	3353	3358	rBV	59152	114370	10.36%	1.327%
52	23.262	3443	3447	3454	rVB	66165	102536	9.28%	1.189%
53	23.356	3457	3463	3468	rBV	273849	482222	43.66%	5.593%

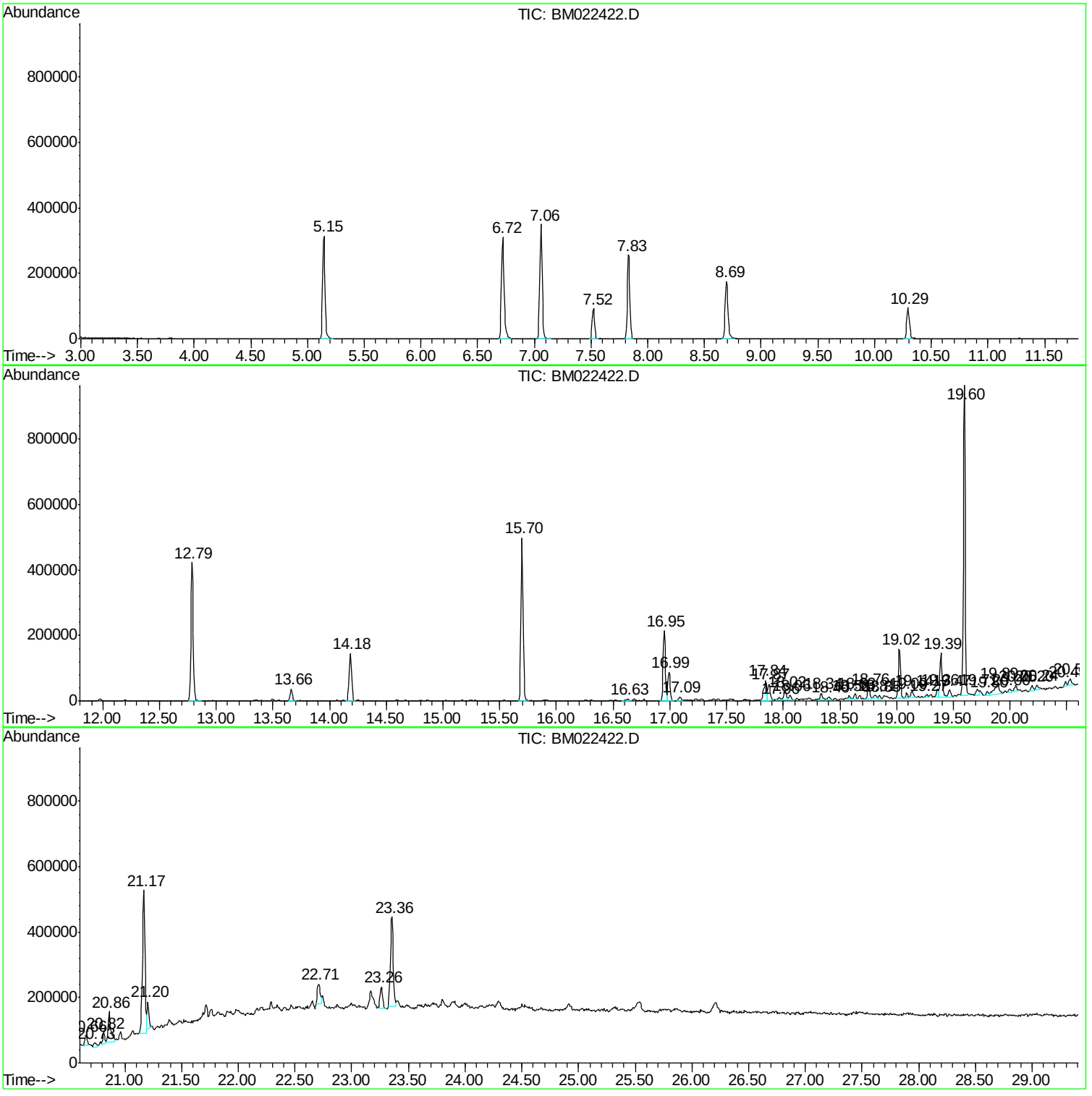
Sum of corrected areas: 8621756

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082919\
Data File : BM022422.D
Acq On : 29 Aug 2019 23:49
Operator : HP/JU
Sample : K4439-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
S-2-(5-7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082919\
Data File : BM022422.D
Acq On : 29 Aug 2019 23:49
Operator : HP/JU
Sample : K4439-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : S-2-(5-7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

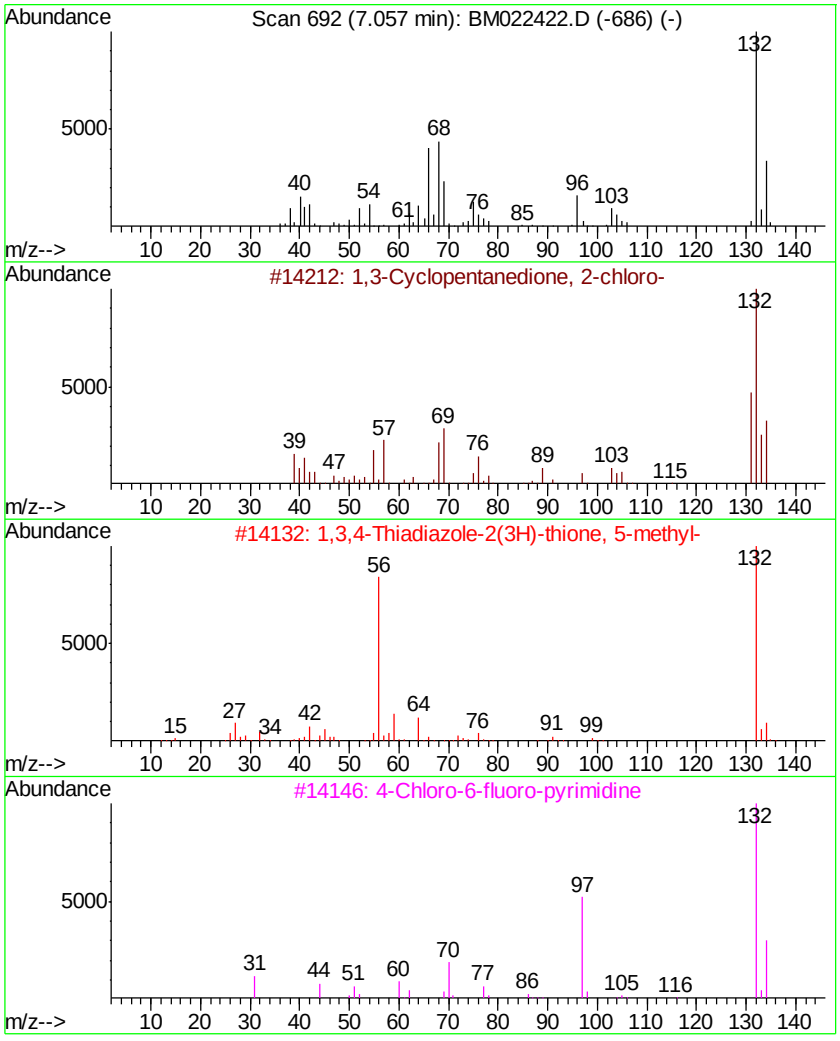
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

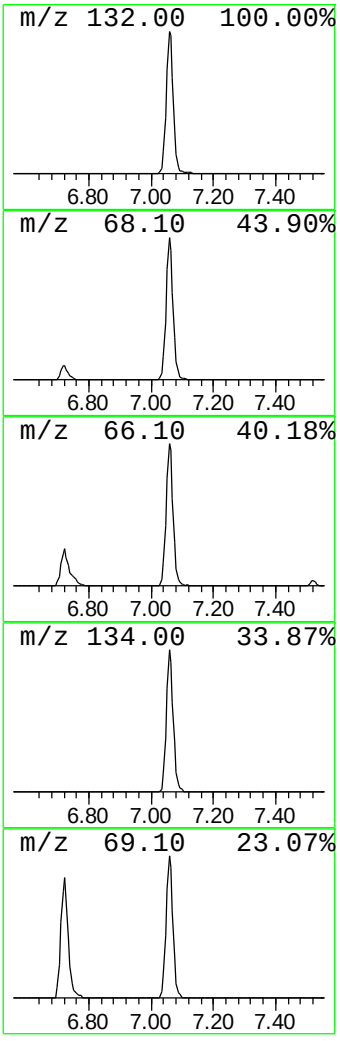
****

Peak Number 1 unknown7.06 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	78.71 ng	549475	1,4-Dichlorobenzene-d4	7.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	22
2	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	14
3	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	14
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	14
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	14





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082919\
Data File : BM022422.D
Acq On : 29 Aug 2019 23:49
Operator : HP/JU
Sample : K4439-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : S-2-(5-7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

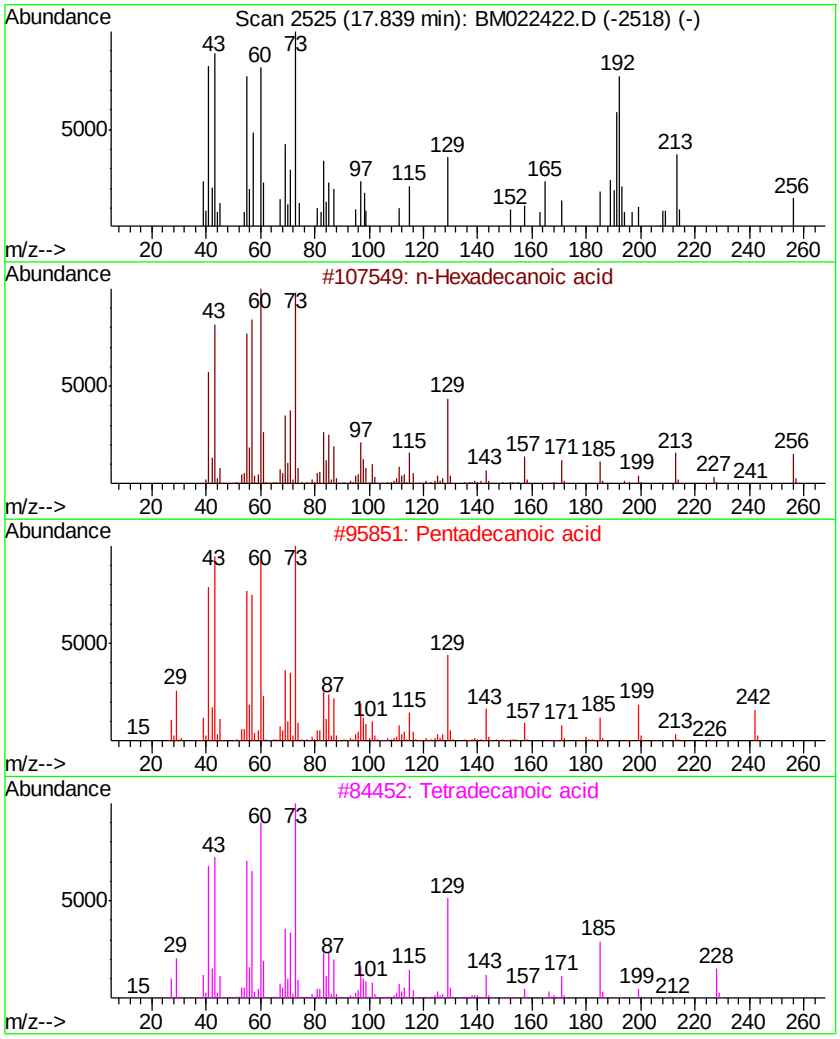
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

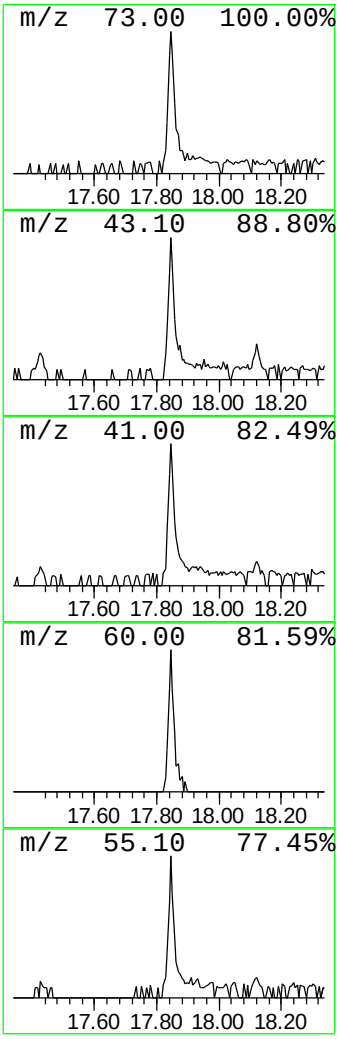
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.84	8.24 ng	118319	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	64
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	53
4	1-Phenazinecarboxylic acid, 6-[1...	506	C31H42N2O4	120464-92-8	47
5	Tridecanoic acid	214	C13H26O2	000638-53-9	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082919\
Data File : BM022422.D
Acq On : 29 Aug 2019 23:49
Operator : HP/JU
Sample : K4439-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : S-2-(5-7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

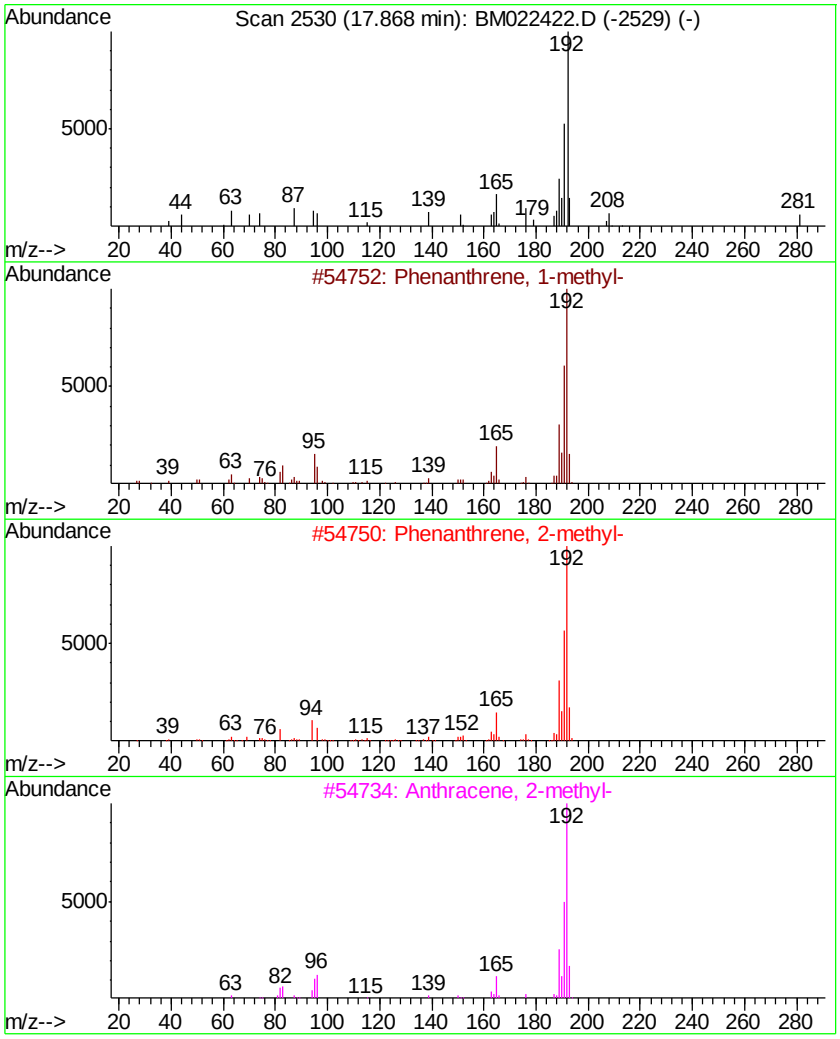
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

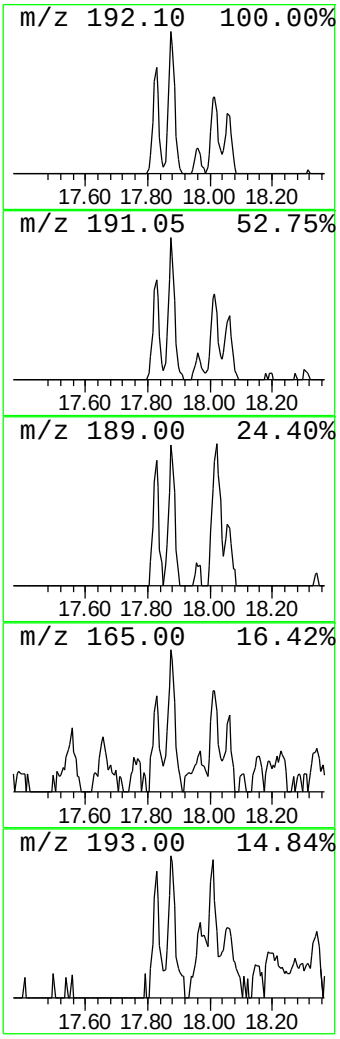
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	4.57 ng	65576	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082919\
Data File : BM022422.D
Acq On : 29 Aug 2019 23:49
Operator : HP/JU
Sample : K4439-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : S-2-(5-7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

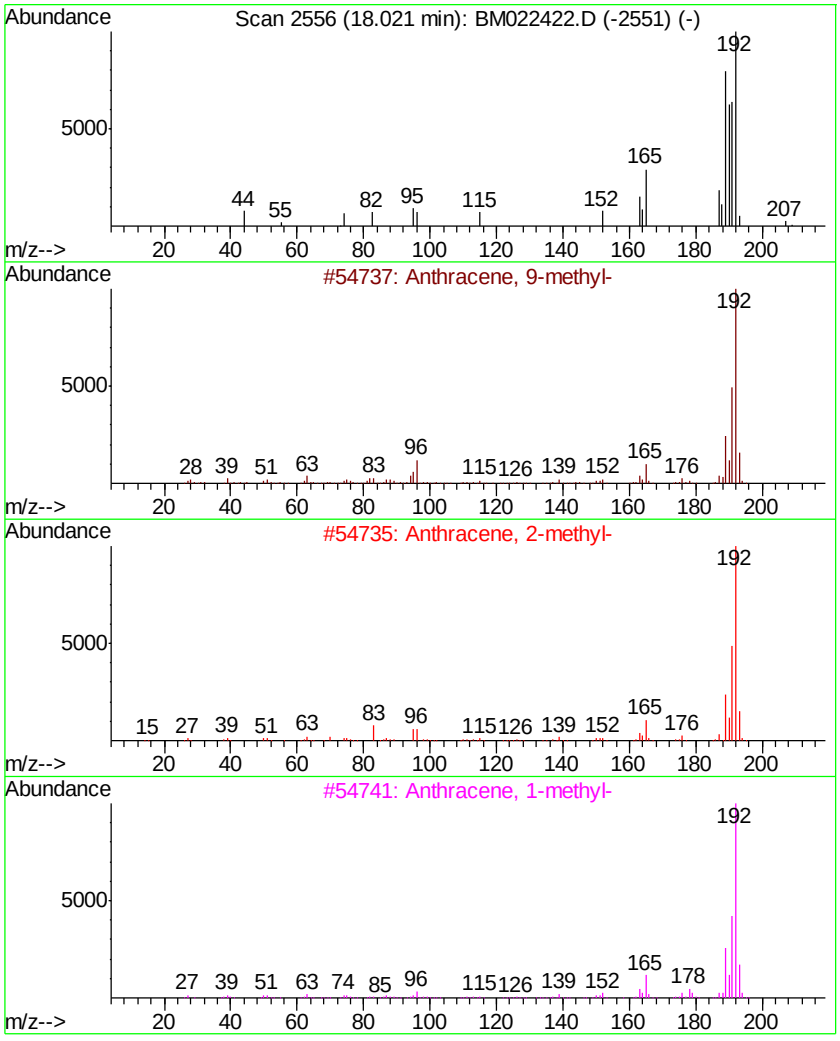
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

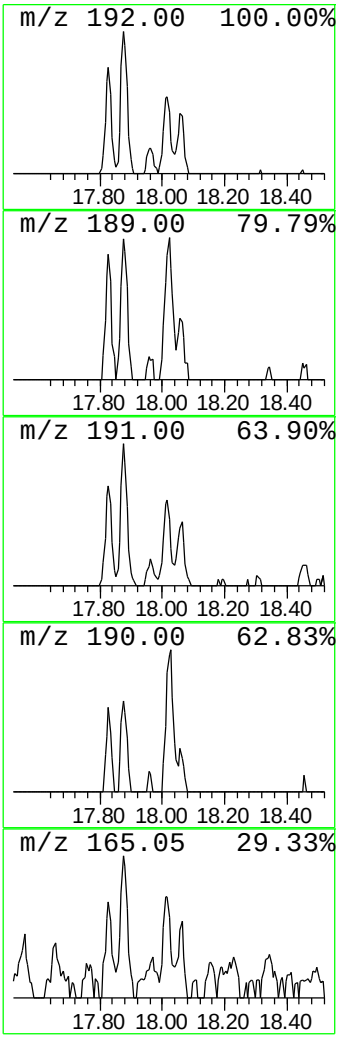
****

Peak Number 5 Anthracene, 9-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	3.32 ng	47673	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	70
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	64
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	58
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	53
5	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	52





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082919\
Data File : BM022422.D
Acq On : 29 Aug 2019 23:49
Operator : HP/JU
Sample : K4439-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : S-2-(5-7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

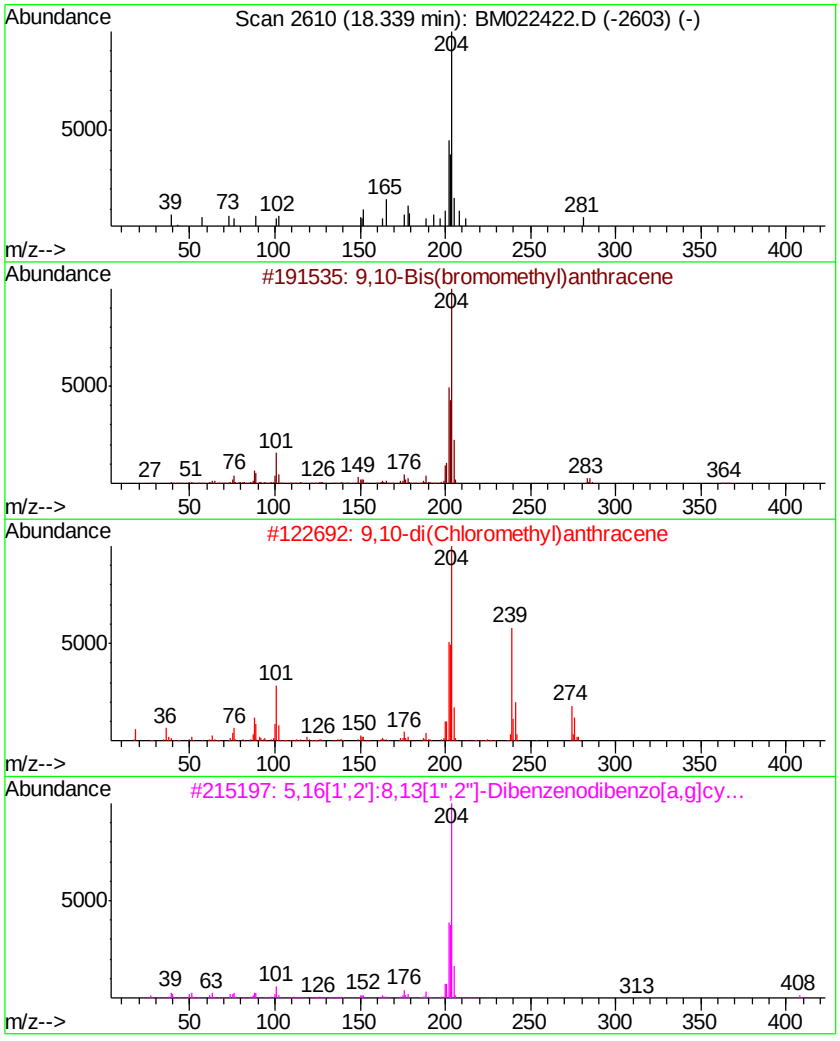
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

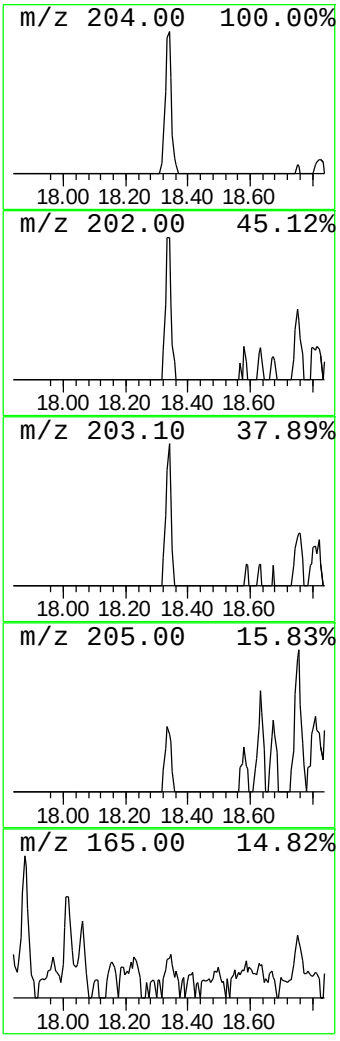
****

Peak Number 6 9,10-Bis(bromomethyl)anthra... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	2.17 ng	31196	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	64
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	64
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
4	6-Phenylbenzocycloheptен-7-one	232	C17H12O	093327-56-1	64
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082919\
Data File : BM022422.D
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Sample : K4439-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : S-2-(5-7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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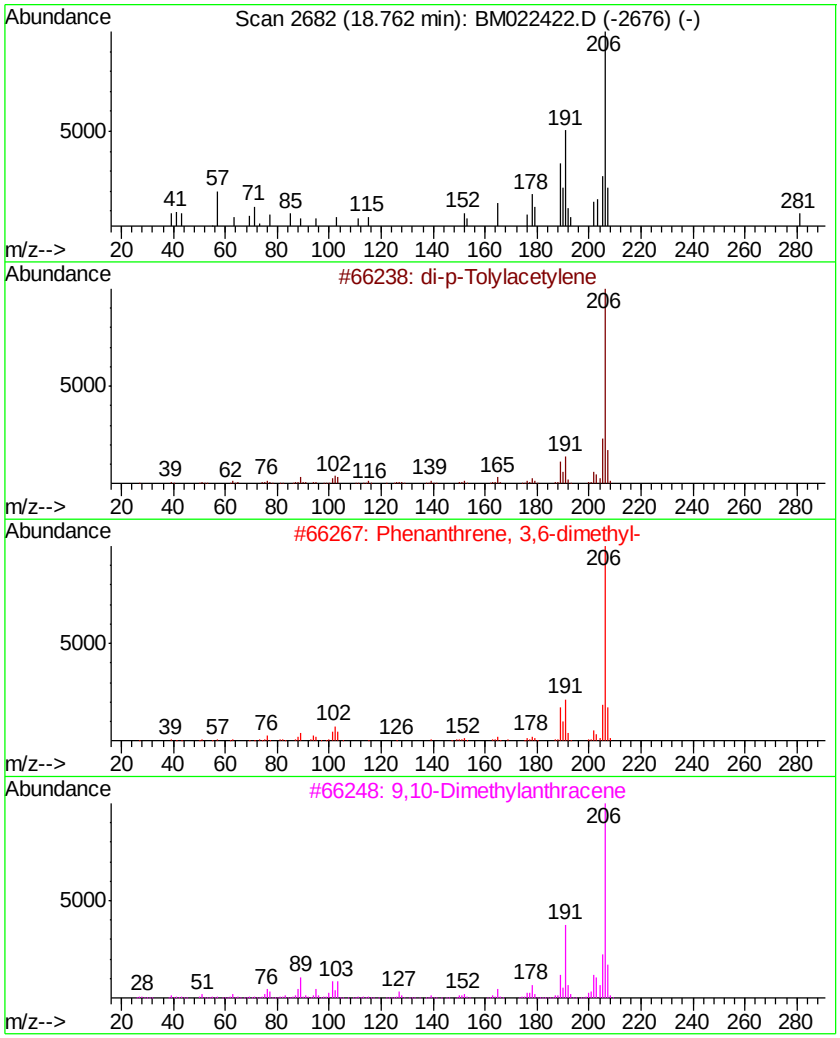
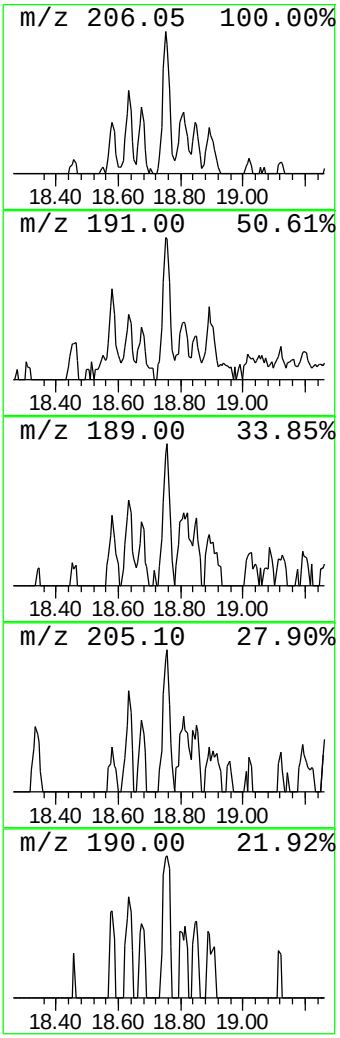
Peak Number 7 di-p-Tolylacetylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.76	3.69 ng	53053	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082919\
Data File : BM022422.D
Acq On : 29 Aug 2019 23:49
Operator : HP/JU
Sample : K4439-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : S-2-(5-7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

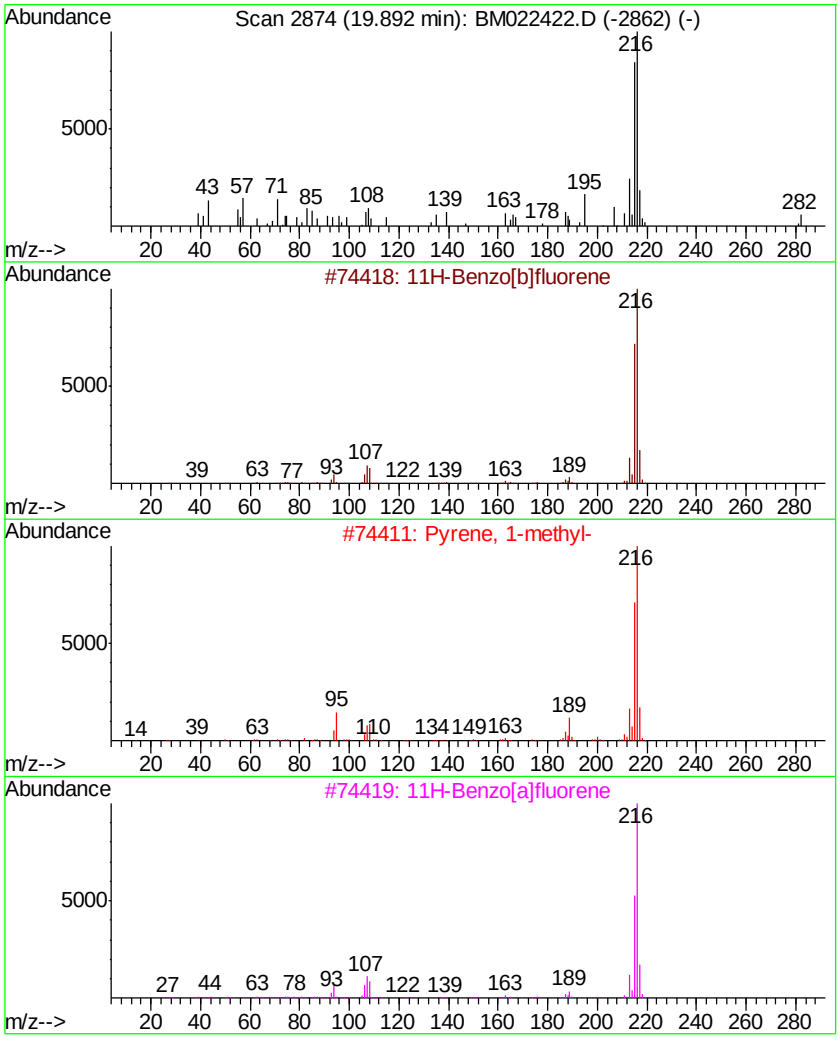
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

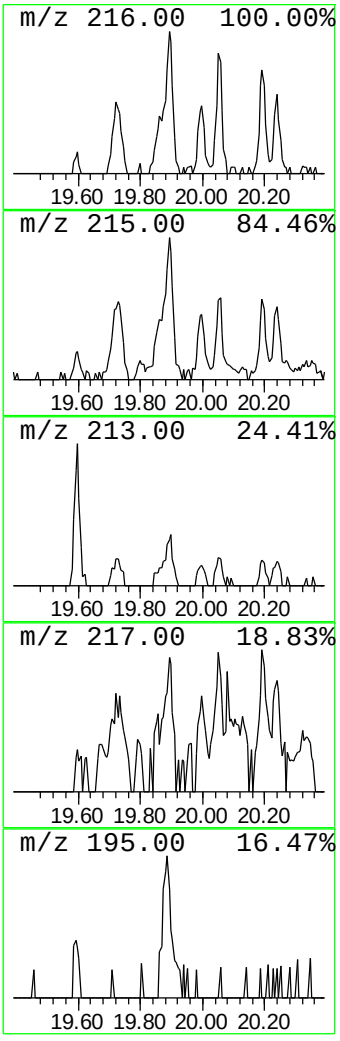
****

Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.89	2.87 ng	95813	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	72
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082919\
Data File : BM022422.D
Acq On : 29 Aug 2019 23:49
Operator : HP/JU
Sample : K4439-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : S-2-(5-7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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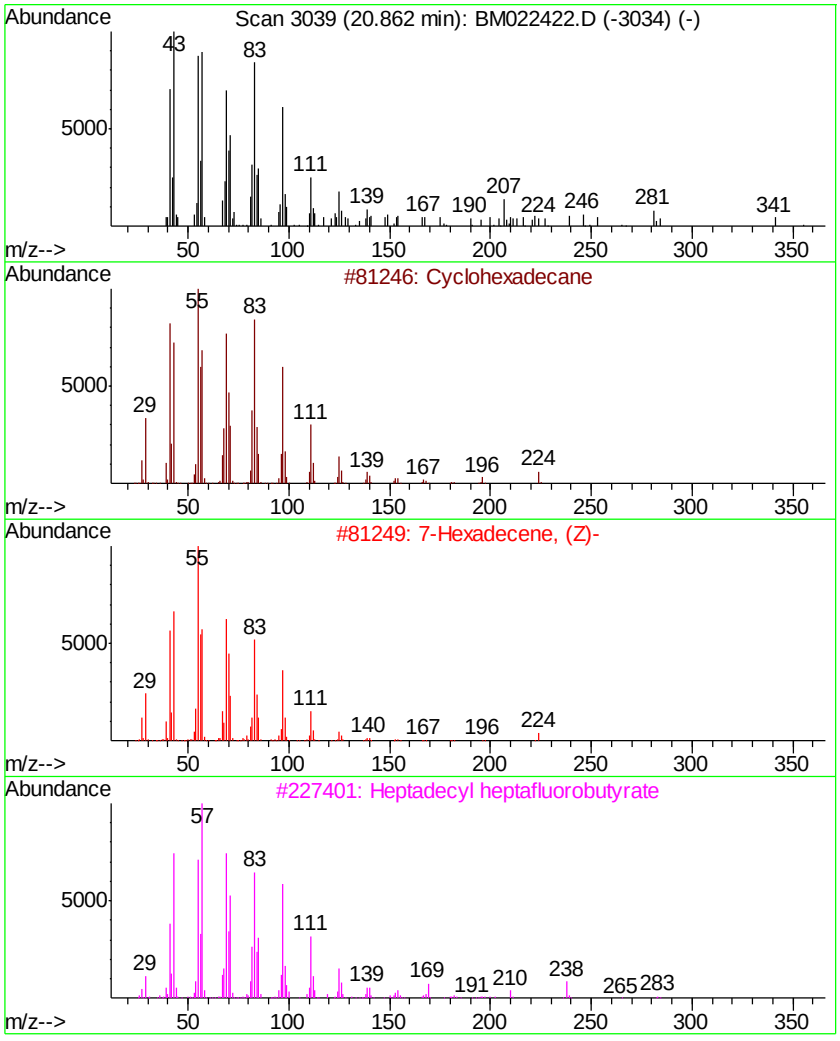
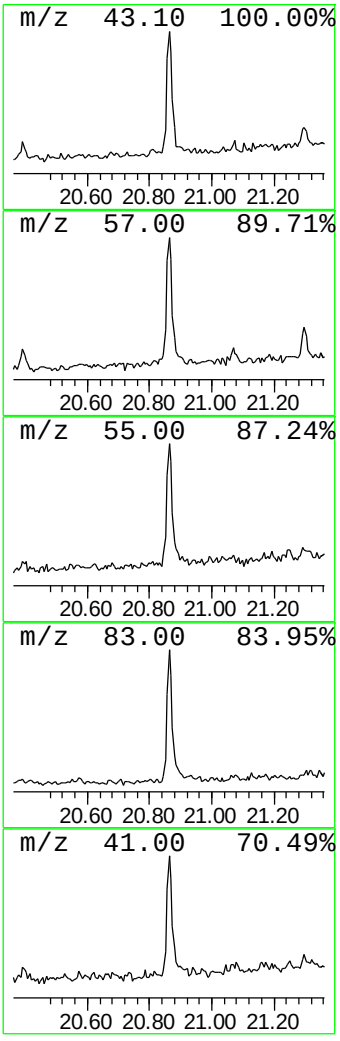
Peak Number 9 Cyclohexadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.86	4.97 ng	165897	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	95
2	7-Hexadecene, (Z)-	224	C16H32	035507-09-6	93
3	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	93
4	Cyclotetracosane	336	C24H48	000297-03-0	91
5	Pentafluoropropionic acid, tetra...	360	C17H29F5O2	006222-06-6	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM082919\
Data File : BM022422.D
Acq On : 29 Aug 2019 23:49
Operator : HP/JU
Sample : K4439-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : S-2-(5-7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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
unknown7.06	7.06	78.7	ng	549475	1	7.52	139618	20.0
n-Hexadecanoic acid	17.84	8.2	ng	118319	4	16.95	287165	20.0
Phenanthrene, 1-m...	17.87	4.6	ng	65576	4	16.95	287165	20.0
Anthracene, 9-met...	18.02	3.3	ng	47673	4	16.95	287165	20.0
9,10-Bis(bromomet...	18.34	2.2	ng	31196	4	16.95	287165	20.0
di-p-Tolylacetylene	18.76	3.7	ng	53053	4	16.95	287165	20.0
11H-Benzo[b]fluorene	19.89	2.9	ng	95813	5	21.17	667752	20.0
Cyclohexadecane	20.86	5.0	ng	165897	5	21.17	667752	20.0