LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM083019\
Data File : BM022456.D
Acq On : 31 Aug 2019 00:23
Operator : HP/JU
Sample : K4095-13 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-01-082819

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	5.145	362	367	378	rVB	105482	157975	18.81%	1.988%
2	6.722	629	635	651	rBV	87585	169694	20.21%	2.136%
3	7.057	687	692	704	rBV	114868	180897	21.54%	2.277%
4	7.516	765	770	778	rBB	100422	149374	17.79%	1.880%
5	7.828	817	823	830	rBB	90387	142947	17.02%	1.799%
6	8.698	965	971	983	rBV	46985	92790	11.05%	1.168%
7	10.292	1235	1242	1256	rBV	101898	180812	21.53%	2.276%
8	12.786	1660	1666	1681	rBV	141834	215208	25.63%	2.708%
9	13.663	1809	1815	1824	rBB2	15873	22249	2.65%	0.280%
10	13.904	1852	1856	1866	rBB	10523	14996	1.79%	0.189%
11	14.180	1898	1903	1911	rBV	167978	238244	28.37%	2.998%
12	15.251	2080	2085	2091	rBV	7576	11360	1.35%	0.143%
13	15.698	2154	2161	2169	rBV	146442	209444	24.94%	2.636%
14	15.886	2187	2193	2200	rBV	7735	13458	1.60%	0.169%
15	16.680	2325	2328	2332	rBV	10396	12627	1.50%	0.159%
16	16.951	2368	2374	2378	rBV2	216603	313037	37.28%	3.940%
17	16.992	2378	2381	2387	rVB	86886	111173	13.24%	1.399%
18	17.086	2392	2397	2402	rBV	30997	43547	5.19%	0.548%
19	17.421	2451	2454	2459	rVB	7564	9841	1.17%	0.124%
20	17.609	2481	2486	2493	rBV	75262	87171	10.38%	1.097%
21	17.839	2518	2525	2528	rBV2	34354	70265	8.37%	0.884%
22	17.874	2528	2531	2537	rVV	30280	44410	5.29%	0.559%
23	17.962	2541	2546	2550	rVV	13235	21012	2.50%	0.264%
24	18.021	2550	2556	2560	rVV3	35920	66835	7.96%	0.841%
25	18.062	2560	2563	2569	rVB3	15345	20650	2.46%	0.260%
26	18.115	2569	2572	2576	rBV2	6643	8986	1.07%	0.113%
27	18.333	2605	2609	2614	rVB	10937	14264	1.70%	0.180%
28	18.403	2617	2621	2627	rVB5	5818	8541	1.02%	0.107%
29	18.627	2656	2659	2662	rVV3	8546	9092	1.08%	0.114%
30	18.703	2669	2672	2676	rBV3	18649	24844	2.96%	0.313%
31	18.762	2676	2682	2685	rVV2	243264	312859	37.26%	3.937%
32	18.797	2685	2688	2699	rVB	490667	592988	70.62%	7.463%
33	18.886	2699	2703	2705	rBV4	8613	11298	1.35%	0.142%
34	18.933	2705	2711	2717	rVB3	37864	58054	6.91%	0.731%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM083019\
Data File : BM022456.D
Acq On : 31 Aug 2019 00:23
Operator : HP/JU
Sample : K4095-13 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-01-082819

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	19.021	2721	2726	2732	rVV	272288	350873	41.78%	4.416%
36	19.139	2740	2746	2749	rVV6	17468	29958	3.57%	0.377%
37	19.174	2749	2752	2758	rVB4	10502	15432	1.84%	0.194%
38	19.262	2762	2767	2770	rBV4	14396	26153	3.11%	0.329%
39	19.303	2772	2774	2779	rVB6	7843	8588	1.02%	0.108%
40	19.356	2779	2783	2785	rBV3	44597	61192	7.29%	0.770%
41	19.392	2785	2789	2797	rVV	214524	300606	35.80%	3.783%
42	19.462	2798	2801	2808	rVB2	17472	24505	2.92%	0.308%
43	19.592	2817	2823	2828	rBV	418890	520770	62.02%	6.554%
44	19.715	2839	2844	2853	rBV4	25112	70740	8.42%	0.890%
45	19.803	2854	2859	2863	rBV7	12160	21198	2.52%	0.267%
46	19.892	2863	2874	2878	rBV	62555	136874	16.30%	1.723%
47	19.992	2887	2891	2894	rBV	40103	51846	6.17%	0.653%
48	20.044	2896	2900	2905	rBV3	45265	71407	8.50%	0.899%
49	20.192	2921	2925	2929	rBV	30738	49111	5.85%	0.618%
50	20.233	2929	2932	2937	rVB	29264	44204	5.26%	0.556%
51	20.333	2945	2949	2953	rBV7	10377	22698	2.70%	0.286%
52	20.815	3028	3031	3034	rBV	37413	46494	5.54%	0.585%
53	20.856	3034	3038	3041	rVV3	31104	54361	6.47%	0.684%
54	20.956	3053	3055	3059	rVB	24831	28136	3.35%	0.354%
55	20.997	3059	3062	3065	rVB4	22355	22361	2.66%	0.281%
56	21.168	3084	3091	3095	rBV2	488636	839733	100.00%	10.568%
57	21.203	3095	3097	3103	rVB	155992	164348	19.57%	2.068%
58	22.709	3348	3353	3357	rBV	134485	300205	35.75%	3.778%
59	23.168	3428	3431	3441	rVB2	93260	187283	22.30%	2.357%
60	23.262	3443	3447	3453	rVB	134520	218133	25.98%	2.745%
61	23.356	3457	3463	3469	rBV	364361	637576	75.93%	8.024%

Sum of corrected areas: 7945727

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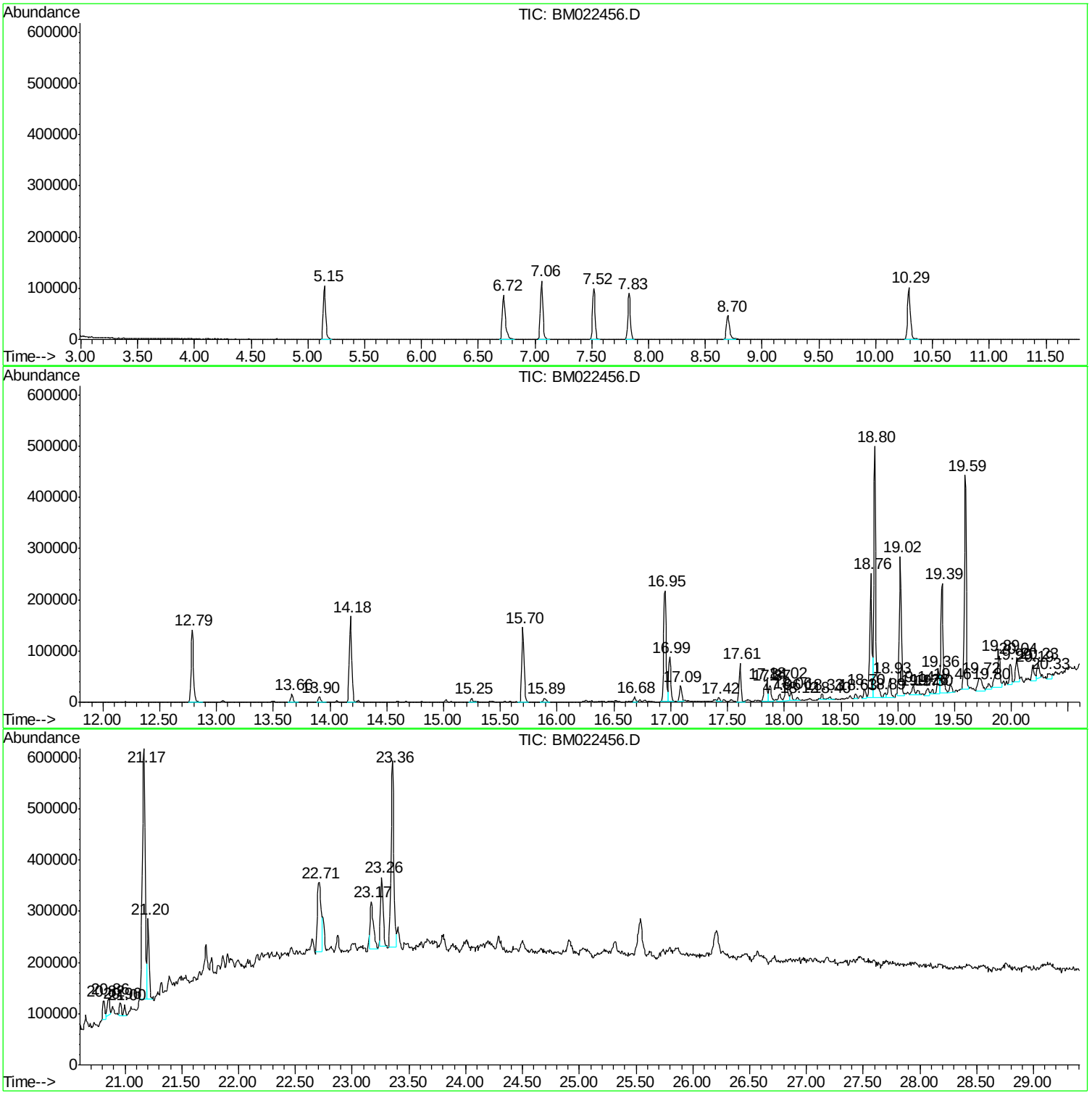
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SU-01-082819

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\BM083019\
Data File : BM022456.D
Acq On : 31 Aug 2019 00:23
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-01-082819

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

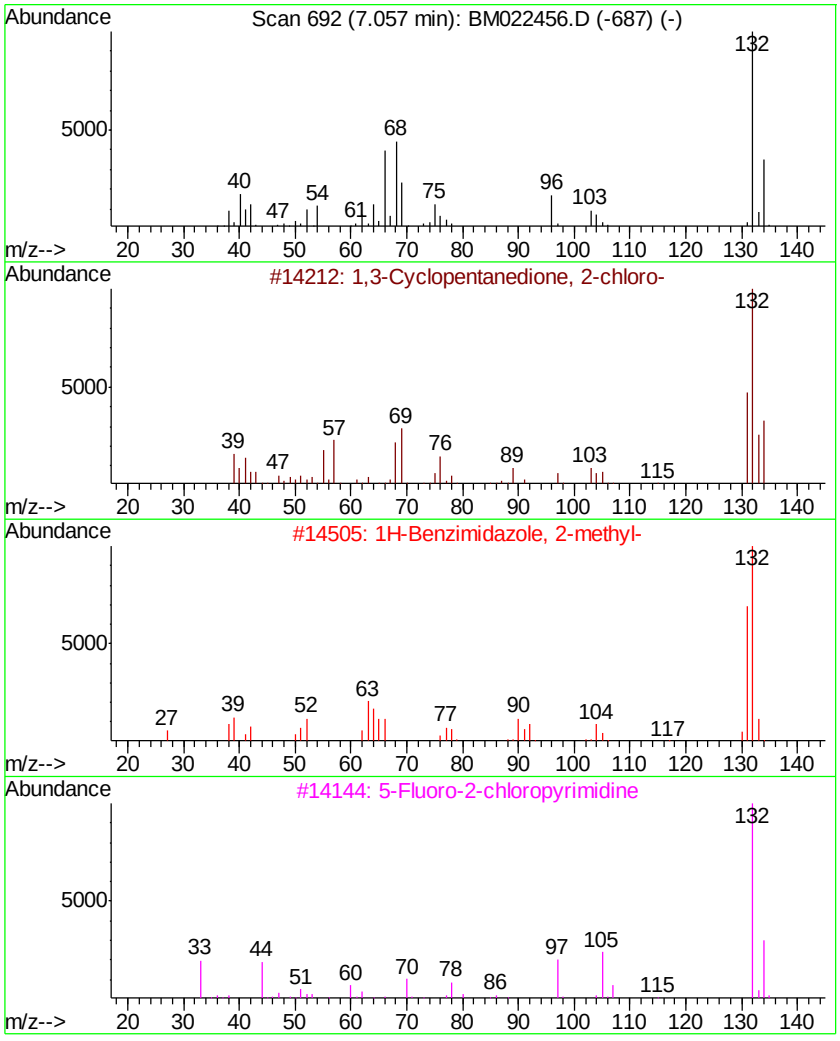
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

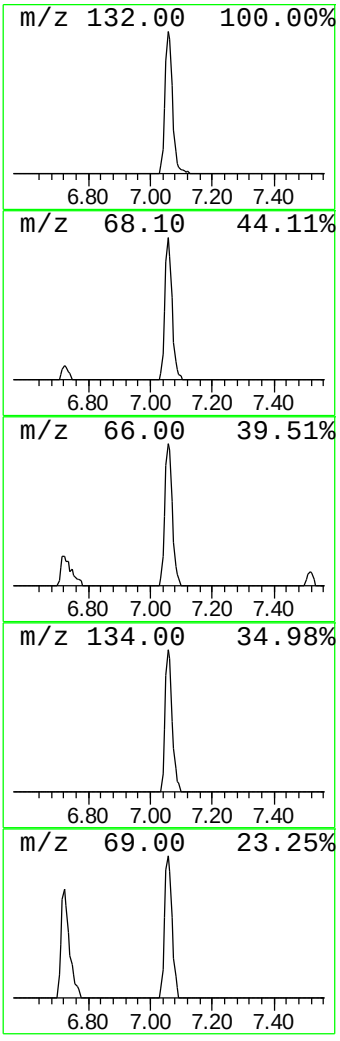
****

Peak Number 1 unknown7.06 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	24.22 ng	180897	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	27
2	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	18
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	14
4	3H-1,2-Dithiol-3-one, 5-methyl-	132	C4H4OS2	003620-08-4	14
5	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	14





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM083019\
Data File : BM022456.D
Acq On : 31 Aug 2019 00:23
Operator : HP/JU
Sample : K4095-13 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-01-082819

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

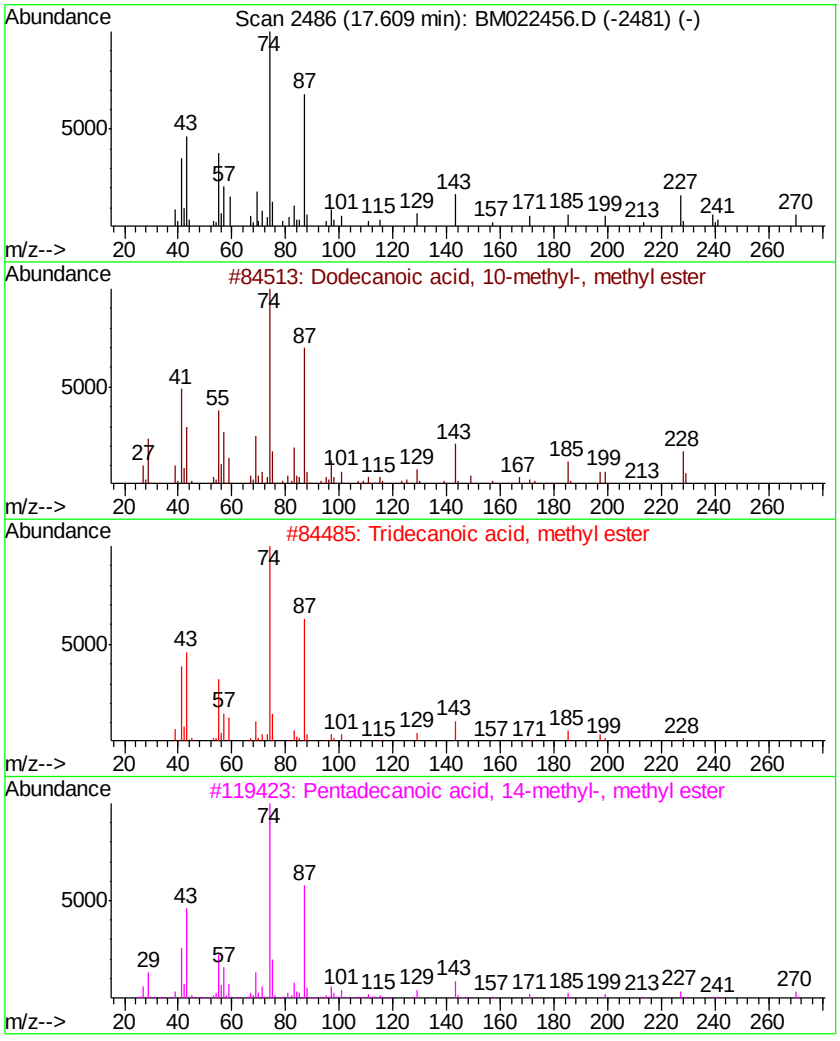
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

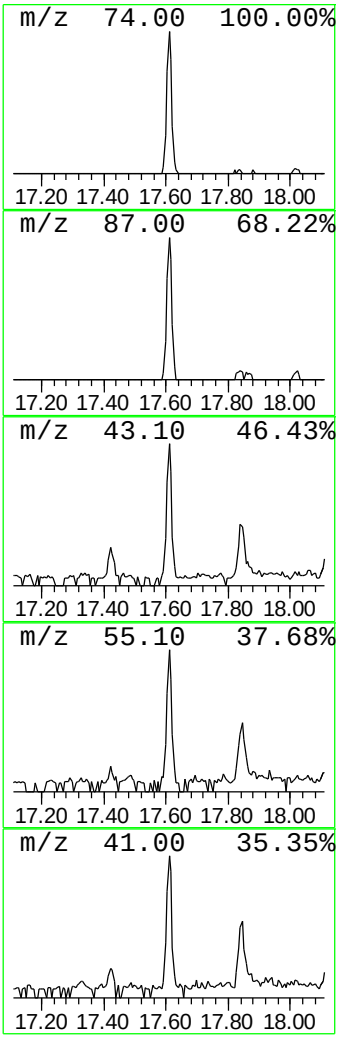
****

Peak Number 3 Dodecanoic acid, 10-methyl-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.61	5.57 ng	87171	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecanoic acid, 10-methyl-, met...	228	C14H28O2	005129-65-7	94
2	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	93
3	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	93
4	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	93
5	Tridecanoic acid, 12-methyl-, me...	242	C15H30O2	005129-58-8	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM083019\
Data File : BM022456.D
Acq On : 31 Aug 2019 00:23
Operator : HP/JU
Sample : K4095-13 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-01-082819

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

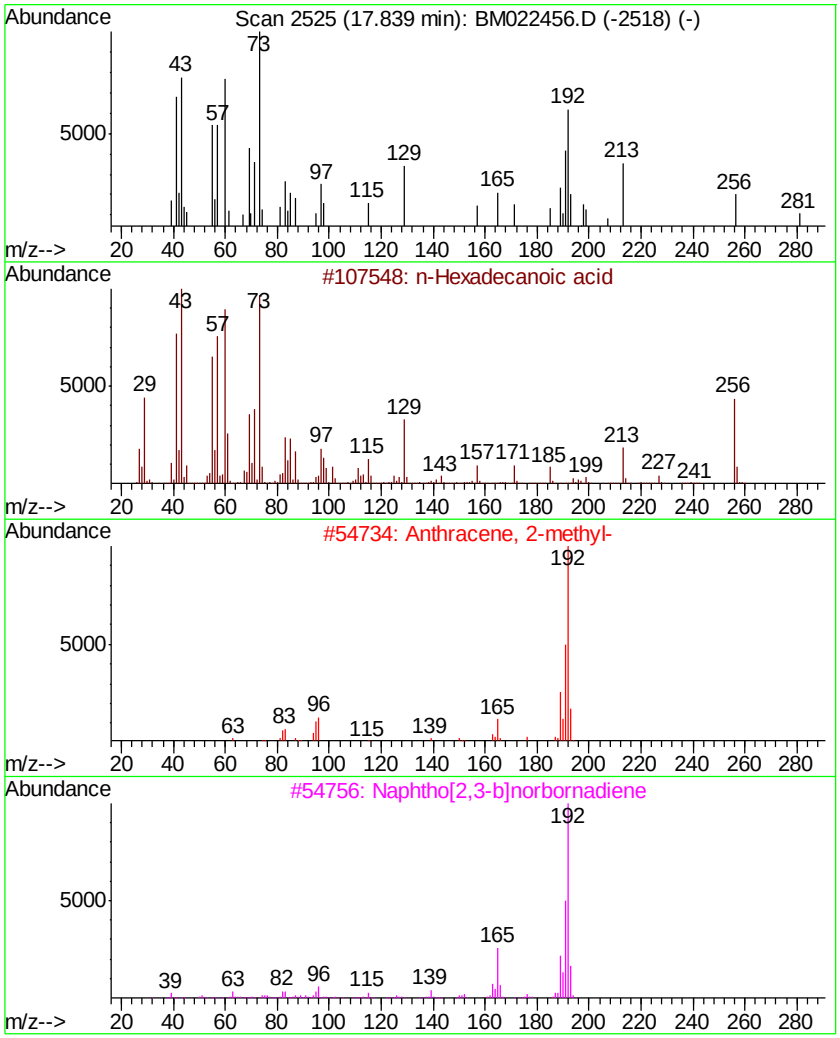
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

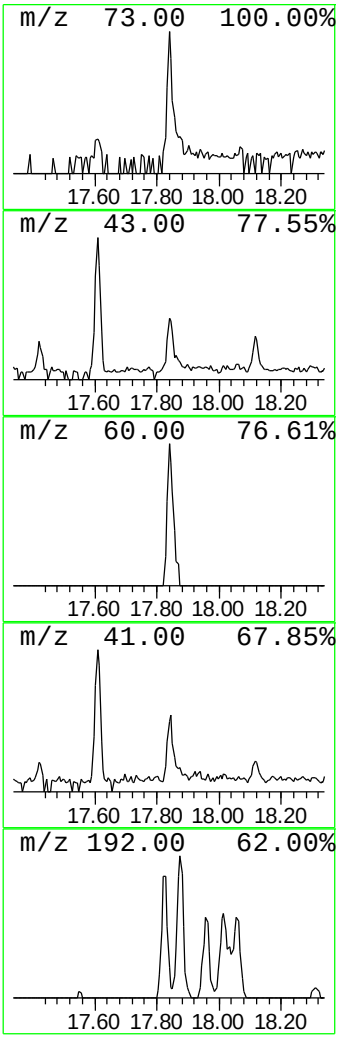
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.84	4.49 ng	70265	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	80
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	46
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	30
4	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	22
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	14





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM083019\
Data File : BM022456.D
Acq On : 31 Aug 2019 00:23
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Sample : K4095-13 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-01-082819

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
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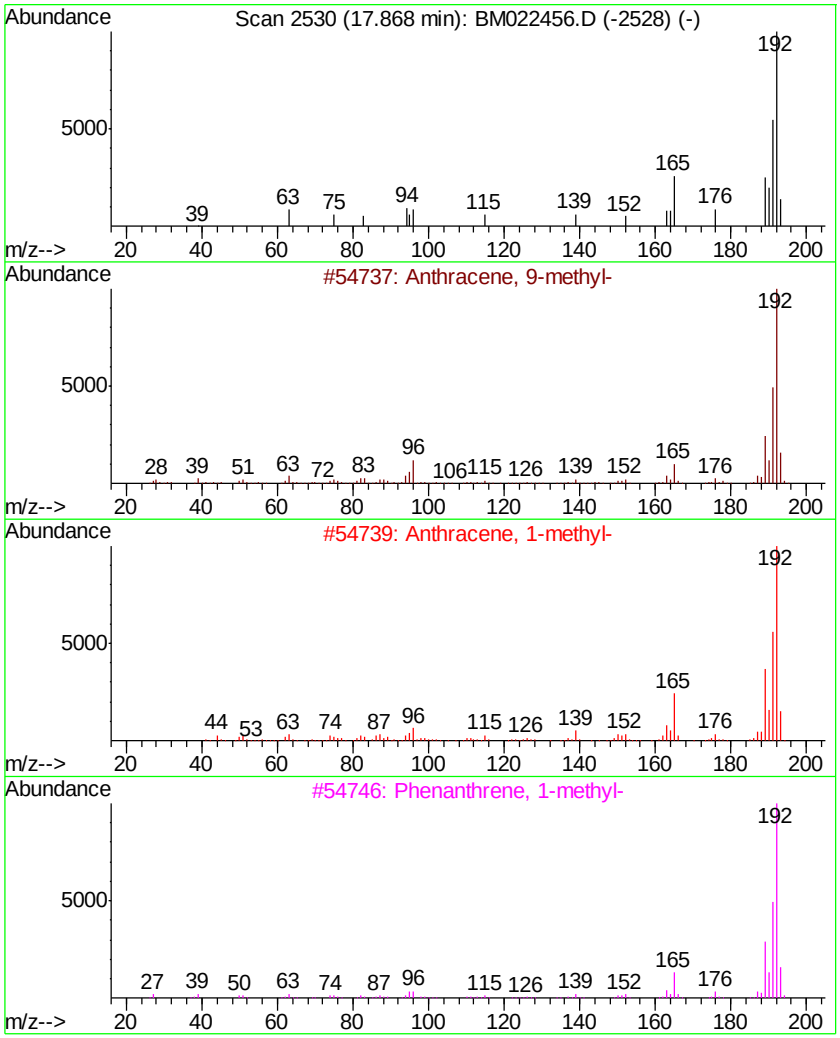
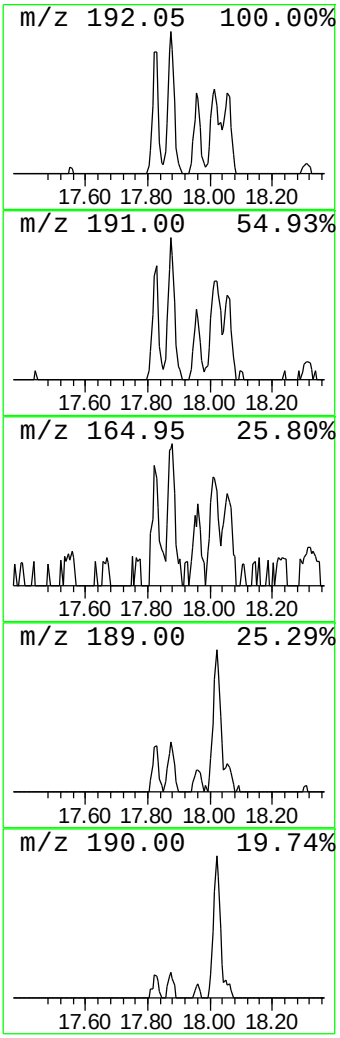
****

Peak Number 5 Anthracene, 9-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	2.84 ng	44410	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM083019\
Data File : BM022456.D
Acq On : 31 Aug 2019 00:23
Operator : HP/JU
Sample : K4095-13 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-01-082819

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

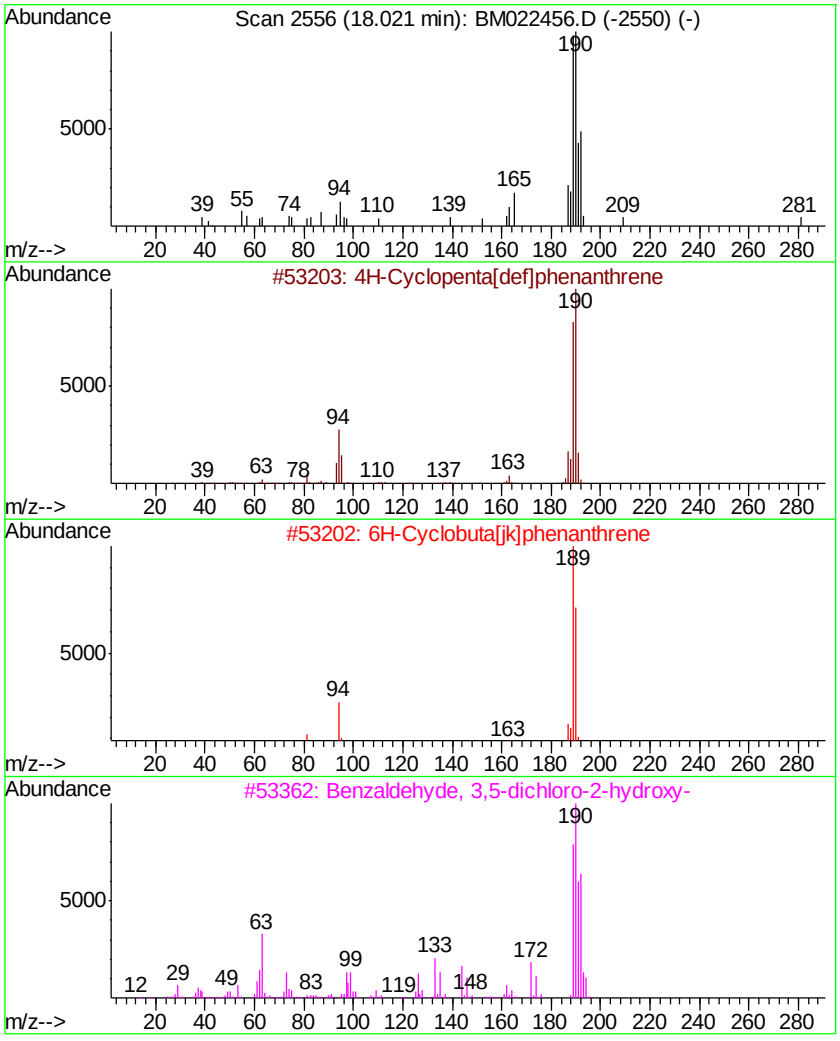
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

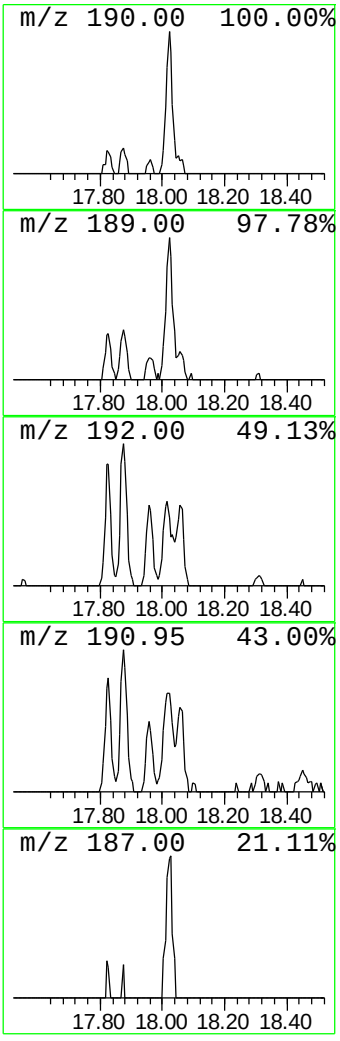
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	4.27 ng	66835	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
4	1H-Pyrazole-4-carboxaldehyde, 1-...	190	C10H7FN2O	1000338-05-6	37
5	2-Ethylthio-5-chloro-pyrimidin-4...	190	C6H7ClN2OS	106146-79-6	16





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

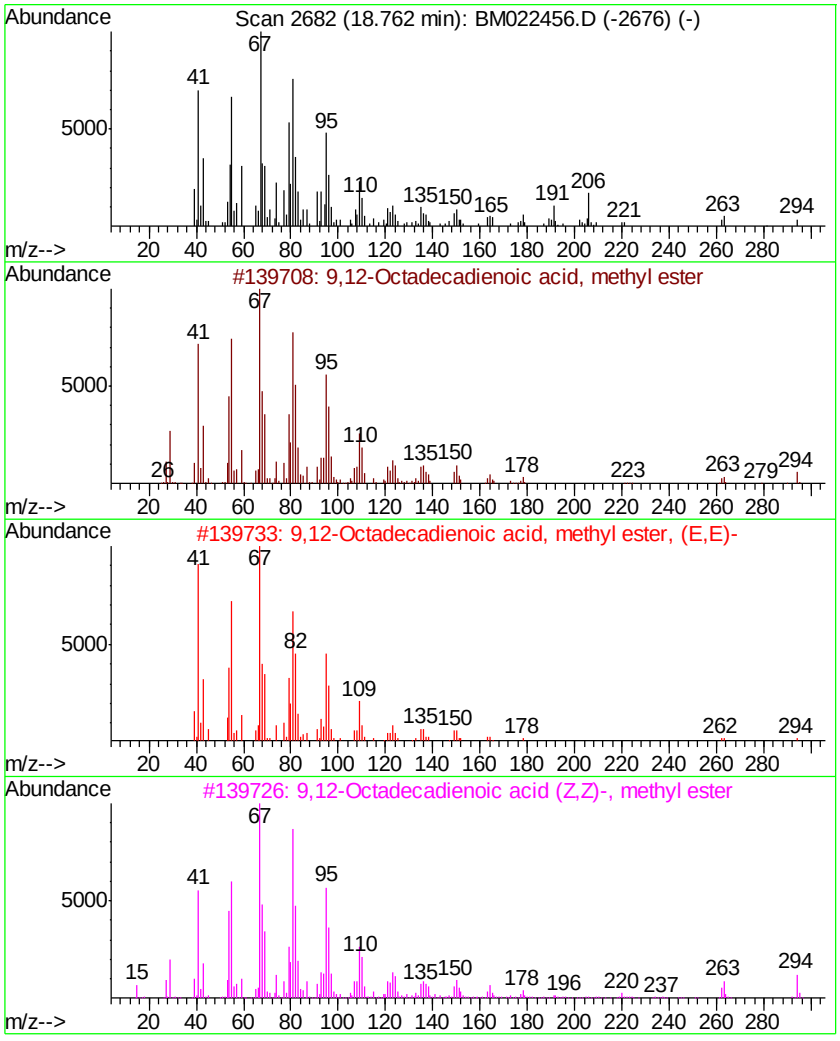
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

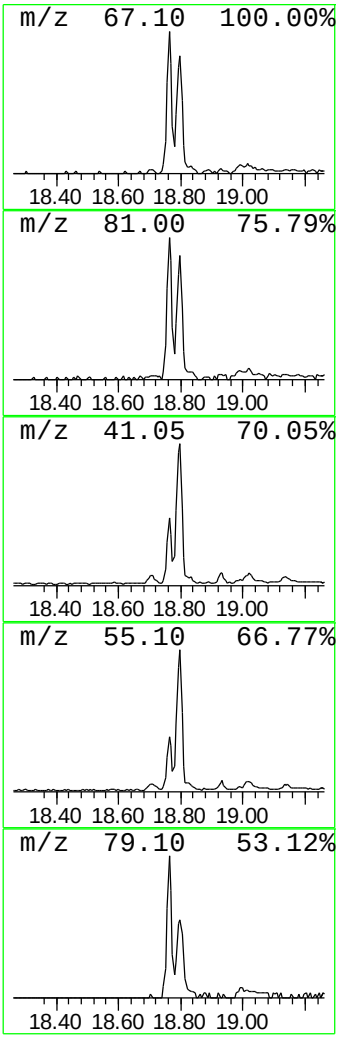
****

Peak Number 7 9,12-Octadecadienoic acid, ... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.76	19.99 ng	312859	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
2	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
3	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	97
4	11,14-Octadecadienoic acid, meth...	294	C19H34O2	056554-61-1	96
5	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	96





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Operator : HP/JU
Sample : K4095-13 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-01-082819

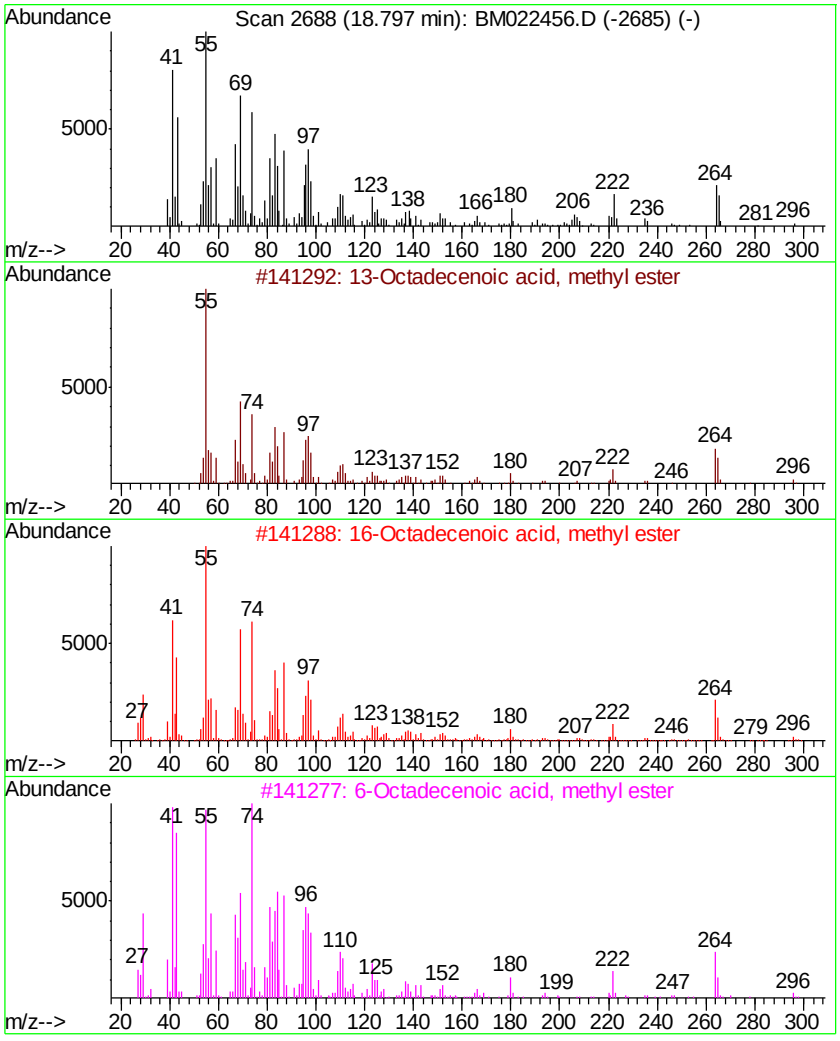
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM082919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

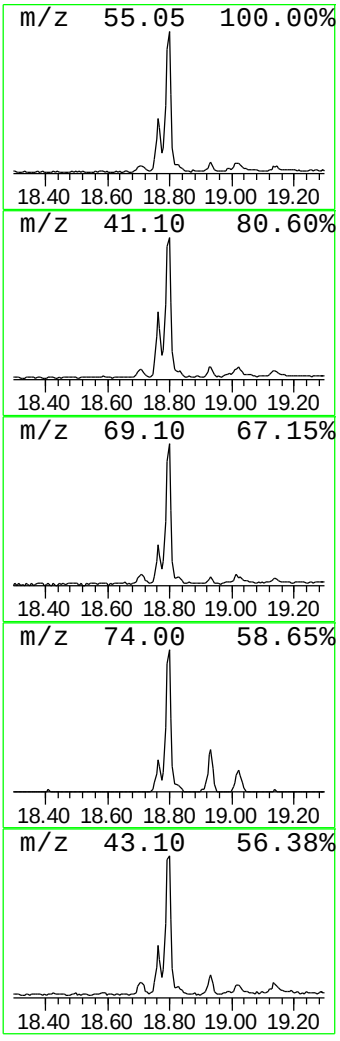
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 13-Octadecenoic acid, methy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	37.89 ng	592988	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99
2	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	98
3	6-Octadecenoic acid, methyl ester	296	C19H36O2	052355-31-4	98
4	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	98
5	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	98





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM083019\
Data File : BM022456.D
Acq On : 31 Aug 2019 00:23
Operator : HP/JU
Sample : K4095-13 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-01-082819

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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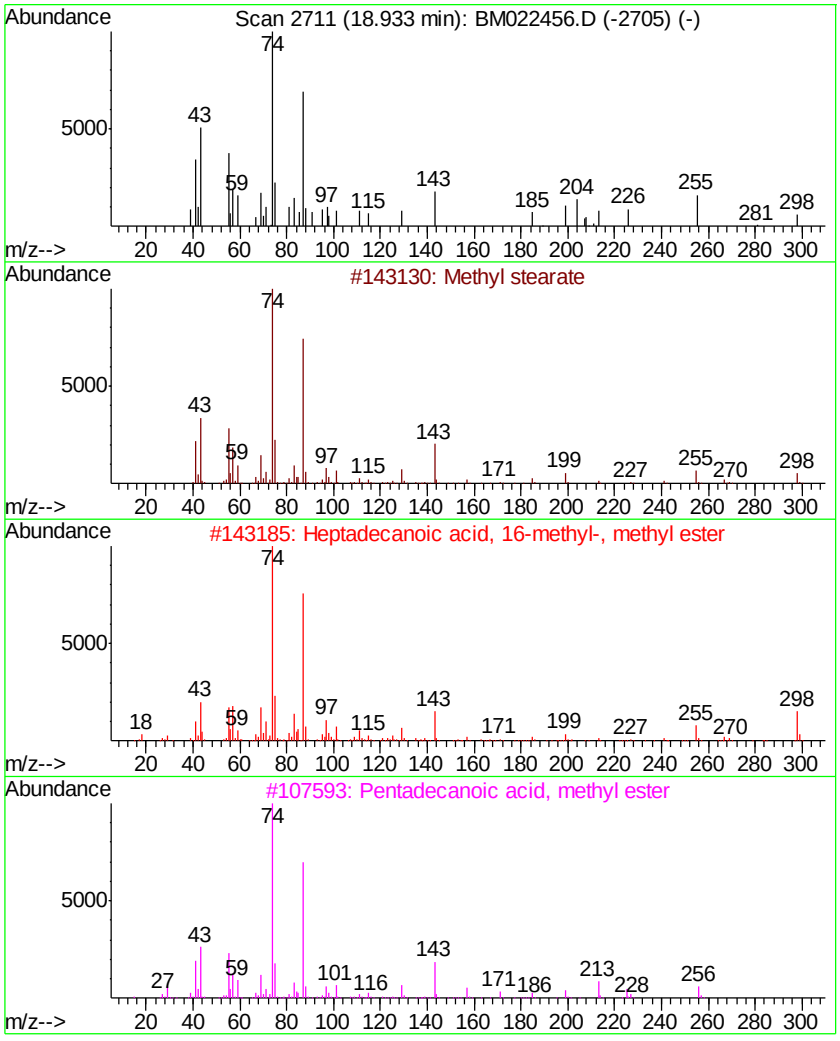
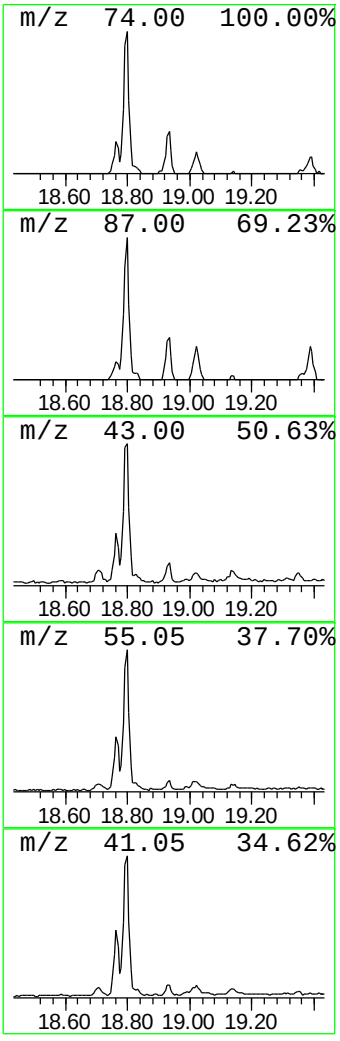
Peak Number 9 Methyl stearate Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	3.71 ng	58054	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl stearate	298	C19H38O2	000112-61-8	96
2	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	74
3	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	72
4	Heptadecanoic acid, methyl ester	284	C18H36O2	001731-92-6	72
5	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	72





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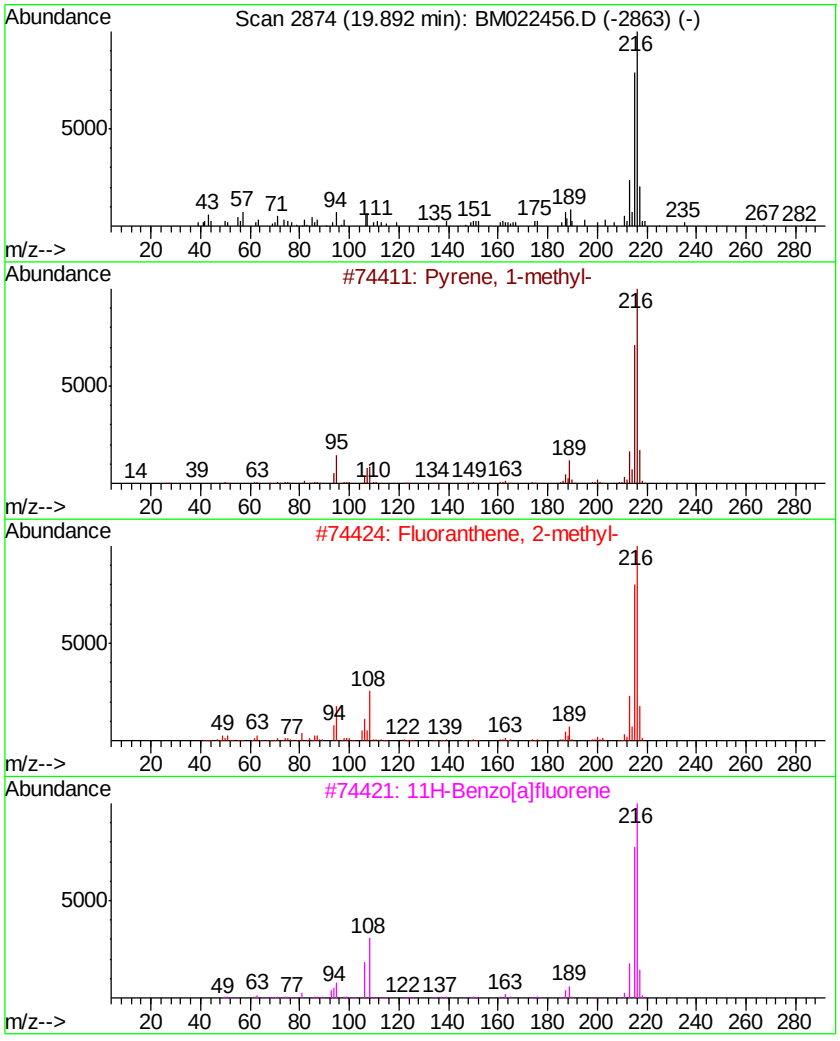
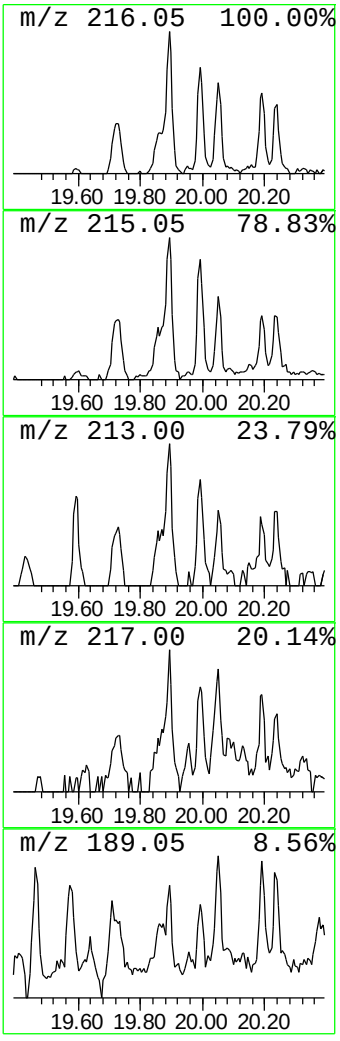
Peak Number 10 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.89	3.26 ng	136874	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90





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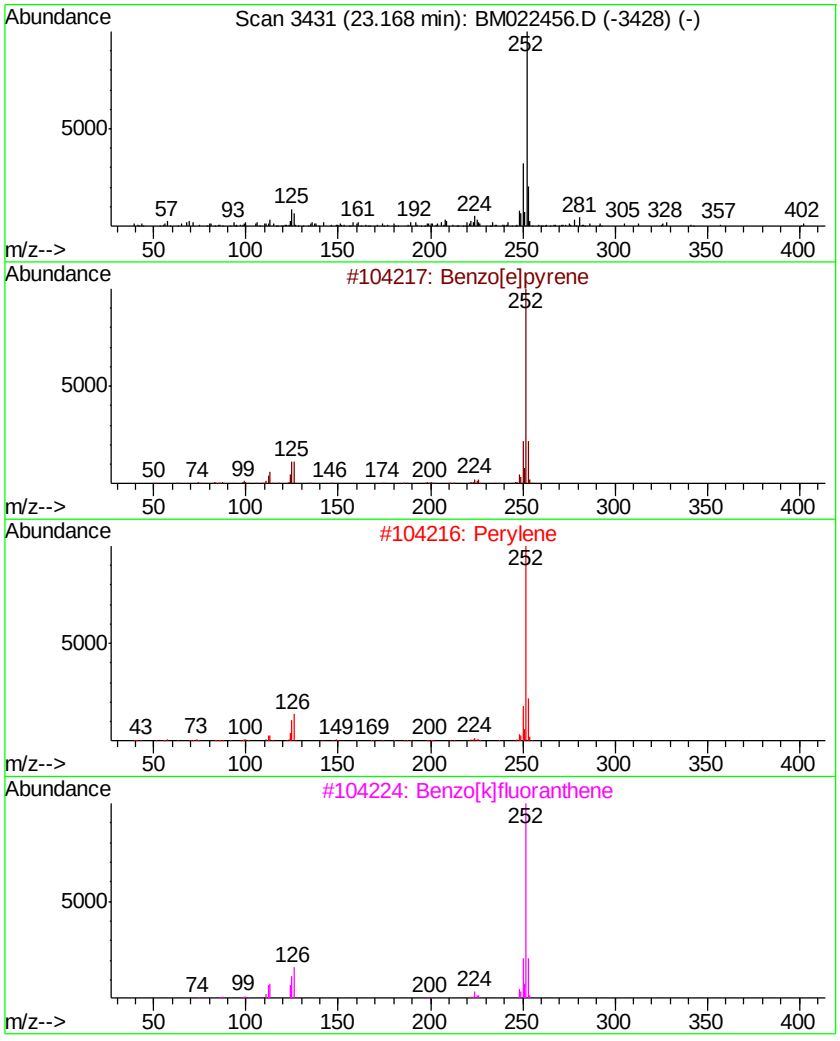
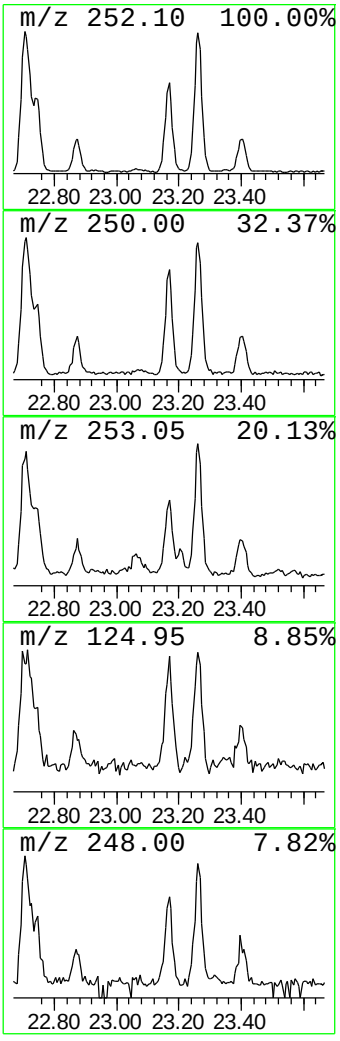
Peak Number 11 Perylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.17	5.87 ng	187283	Perylene-d12	23.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	76
2	Perylene	252	C20H12	000198-55-0	76
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	76
4	Benzo[a]pyrene	252	C20H12	000050-32-8	76
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	70





Tentatively Identified Compound (LSC) summary

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					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown7.06	7.06	24.2	ng	180897	1	7.52	149374	20.0
Dodecanoic acid, ...	17.61	5.6	ng	87171	4	16.95	313037	20.0
n-Hexadecanoic acid	17.84	4.5	ng	70265	4	16.95	313037	20.0
Anthracene, 9-met...	17.87	2.8	ng	44410	4	16.95	313037	20.0
4H-Cyclopenta[def...	18.02	4.3	ng	66835	4	16.95	313037	20.0
9,12-Octadecadien...	18.76	20.0	ng	312859	4	16.95	313037	20.0
13-Octadecenoic a...	18.80	37.9	ng	592988	4	16.95	313037	20.0
Methyl stearate	18.93	3.7	ng	58054	4	16.95	313037	20.0
Pyrene, 1-methyl-	19.89	3.3	ng	136874	5	21.17	839733	20.0
Perylene	23.17	5.9	ng	187283	6	23.36	637576	20.0