LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042421\
Data File : BM029645.D
Acq On : 24 Apr 2021 19:44
Operator : CG/JU
Sample : M2145-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-02-042221

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-BM042121.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM029645.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.222	391	397	406	rBV	211008	317839	4.30%	0.477%
2	6.804	660	666	680	rVB	197579	331971	4.49%	0.498%
3	7.622	796	805	813	rBV	353954	555928	7.52%	0.834%
4	8.775	994	1001	1011	rBV	119017	216966	2.93%	0.325%
5	10.404	1266	1278	1284	rBV	431905	762151	10.30%	1.143%
6	11.839	1512	1522	1528	rBV	63161	105750	1.43%	0.159%
7	12.886	1692	1700	1708	rBV	381636	565789	7.65%	0.849%
8	13.098	1729	1736	1744	rBV	112241	174275	2.36%	0.261%
9	13.992	1881	1888	1895	rBV	118566	211913	2.86%	0.318%
10	14.180	1915	1920	1925	rVB	134329	169231	2.29%	0.254%
11	14.269	1928	1935	1942	rVV	687103	1033295	13.97%	1.550%
12	14.333	1942	1946	1954	rVB2	71571	113295	1.53%	0.170%
13	14.674	1999	2004	2012	rVB	63523	118833	1.61%	0.178%
14	15.139	2078	2083	2088	rVB2	145067	188667	2.55%	0.283%
15	15.321	2108	2114	2118	rBV2	134658	209016	2.83%	0.313%
16	15.539	2146	2151	2157	rBV3	53794	112029	1.51%	0.168%
17	15.616	2160	2164	2174	rVB3	44541	97927	1.32%	0.147%
18	15.763	2183	2189	2197	rVB	318639	505540	6.83%	0.758%
19	15.998	2224	2229	2237	rBV	175853	291946	3.95%	0.438%
20	16.327	2278	2285	2289	rBV2	46439	94650	1.28%	0.142%
21	16.786	2360	2363	2367	rVV	117708	139818	1.89%	0.210%
22	16.833	2367	2371	2383	rVB2	111571	202087	2.73%	0.303%
23	17.015	2396	2402	2405	rBV	795799	1128850	15.26%	1.693%
24	17.057	2405	2409	2415	rVV	1316269	1790608	24.21%	2.685%
25	17.145	2419	2424	2430	rVV	475024	690760	9.34%	1.036%
26	17.204	2431	2434	2441	rVB2	46984	86897	1.17%	0.130%
27	17.421	2467	2471	2476	rBV	46117	89731	1.21%	0.135%
28	17.527	2485	2489	2493	rBV2	133144	180642	2.44%	0.271%
29	17.592	2498	2500	2510	rVB3	58748	103613	1.40%	0.155%
30	17.698	2513	2518	2523	rBV	1983239	2362606	31.94%	3.543%
31	17.886	2545	2550	2554	rBV	207434	317783	4.30%	0.477%
32	17.933	2554	2558	2566	rVB	312376	523725	7.08%	0.785%
33	18.015	2568	2572	2577	rVV	154917	226406	3.06%	0.340%
34	18.086	2578	2584	2587	rVV2	461980	813236	10.99%	1.220%
35	18.121	2587	2590	2597	rVB	175452	237824	3.22%	0.357%
36	18.215	2602	2606	2614	rVB	115793	175274	2.37%	0.263%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042421\
Data File : BM029645.D
Acq On : 24 Apr 2021 19:44
Operator : CG/JU
Sample : M2145-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-02-042221

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-BM042121.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.392	2632	2636	2640	rBV	166702	221084	2.99%	0.332%
38	18.692	2683	2687	2690	rBV2	77334	100234	1.36%	0.150%
39	18.845	2708	2713	2716	rBV	6098610	7396815	100.00%	11.093%
40	18.880	2716	2719	2723	rVB2	5487960	5857423	79.19%	8.785%
41	18.951	2728	2731	2737	rVB3	119838	182508	2.47%	0.274%
42	19.009	2737	2741	2746	rVB	883594	1010088	13.66%	1.515%
43	19.080	2746	2753	2761	rBV	3519481	4816936	65.12%	7.224%
44	19.321	2791	2794	2797	rVB	77432	86074	1.16%	0.129%
45	19.380	2801	2804	2805	rVV	93739	89620	1.21%	0.134%
46	19.439	2805	2814	2823	rVV	3063217	4836482	65.39%	7.254%
47	19.515	2823	2827	2833	rVB2	122323	216736	2.93%	0.325%
48	19.621	2840	2845	2846	rBV2	169353	228186	3.08%	0.342%
49	19.645	2846	2849	2853	rVV	690020	866846	11.72%	1.300%
50	19.686	2853	2856	2862	rVB2	136739	203439	2.75%	0.305%
51	19.762	2864	2869	2876	rBV3	227456	565609	7.65%	0.848%
52	19.904	2889	2893	2895	rBV2	216440	306207	4.14%	0.459%
53	19.939	2895	2899	2902	rVV2	544028	761304	10.29%	1.142%
54	19.968	2902	2904	2907	rVB	111630	105213	1.42%	0.158%
55	20.039	2912	2916	2919	rVB	439549	541352	7.32%	0.812%
56	20.092	2920	2925	2930	rBV3	290586	584821	7.91%	0.877%
57	20.233	2947	2949	2953	rVB	132461	129624	1.75%	0.194%
58	20.280	2953	2957	2961	rBV2	169840	233687	3.16%	0.350%
59	20.462	2986	2988	2992	rVB	101670	101352	1.37%	0.152%
60	20.680	3023	3025	3030	rBV2	102306	124584	1.68%	0.187%
61	20.851	3050	3054	3057	rBV	209368	274376	3.71%	0.411%
62	20.886	3057	3060	3063	rVV	245222	269307	3.64%	0.404%
63	20.921	3063	3066	3071	rVB2	375383	535241	7.24%	0.803%
64	21.186	3106	3111	3117	rBV2	2397458	4646989	62.82%	6.969%
65	21.239	3117	3120	3130	rVB	1643804	2125681	28.74%	3.188%
66	21.356	3136	3140	3144	rBV2	484343	692054	9.36%	1.038%
67	22.739	3369	3375	3380	rBV	1636499	3734795	50.49%	5.601%
68	22.903	3399	3403	3412	rVB	373666	602858	8.15%	0.904%
69	23.203	3449	3454	3461	rVB	861535	1567596	21.19%	2.351%
70	23.297	3464	3470	3477	rVB	1616714	2908879	39.33%	4.363%
71	23.392	3481	3486	3490	rBV2	670860	1121807	15.17%	1.682%
72	25.585	3852	3859	3869	rVB	699857	1984194	26.82%	2.976%
73	26.262	3968	3974	3986	rVB	481674	1400490	18.93%	2.100%

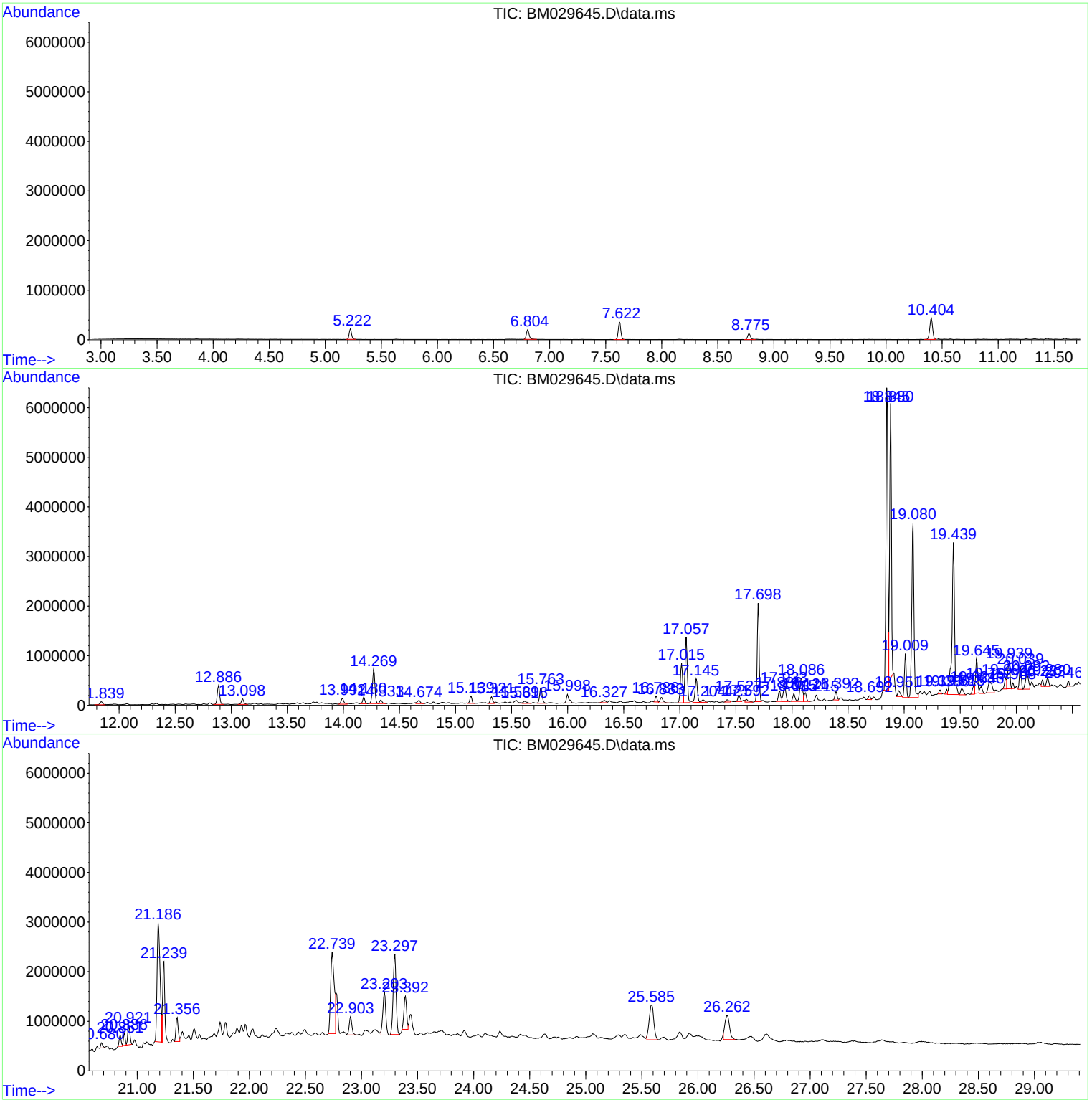
Sum of corrected areas: 66677362

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042421\
Data File : BM029645.D
Acq On : 24 Apr 2021 19:44
Operator : CG/JU
Sample : M2145-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SU-02-042221

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042421\
Data File : BM029645.D
Acq On : 24 Apr 2021 19:44
Operator : CG/JU
Sample : M2145-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-02-042221

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.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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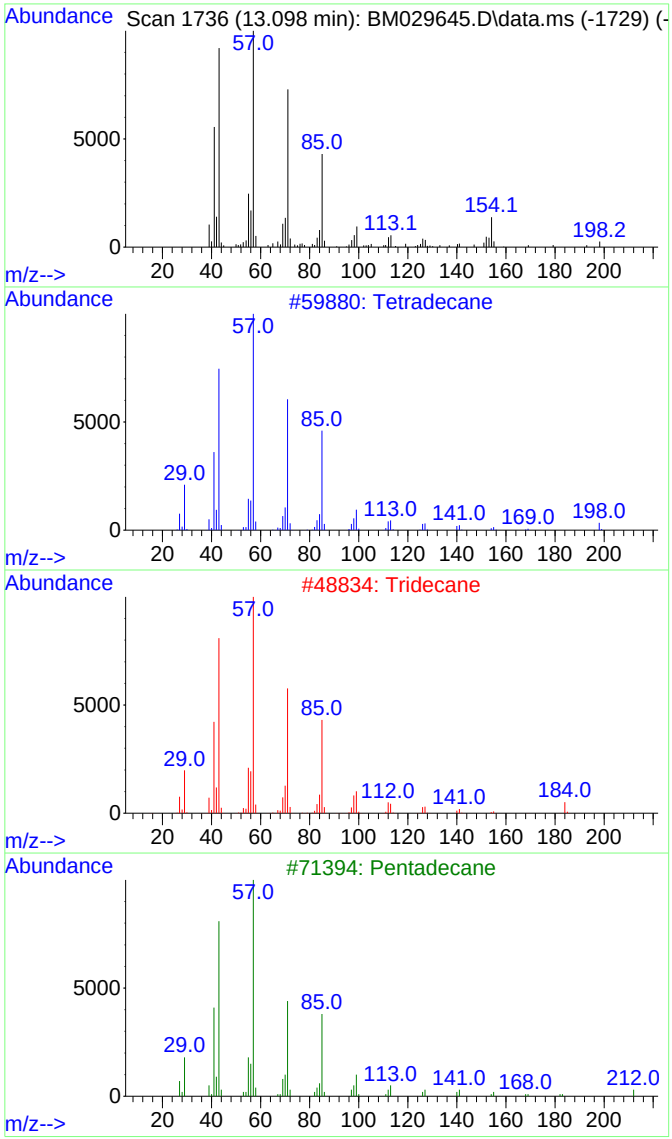
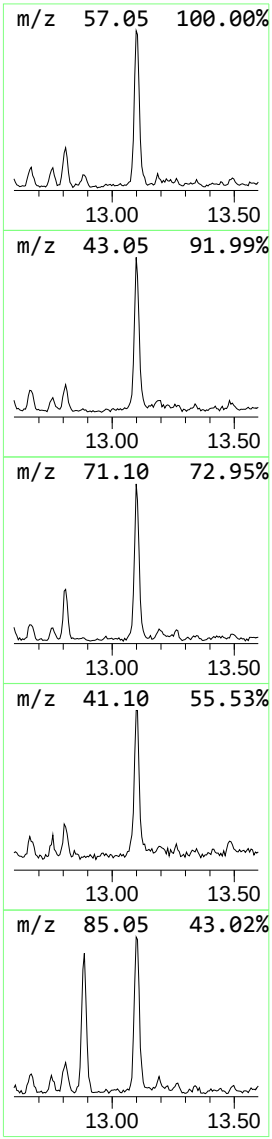
Peak Number 1 Tetradecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.098	3.37 ng	174275	Acenaphthene-d10	14.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	93
2	Tridecane	184	C13H28	000629-50-5	83
3	Pentadecane	212	C15H32	000629-62-9	80
4	Hexadecane	226	C16H34	000544-76-3	74
5	Dodecane	170	C12H26	000112-40-3	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042421\
Data File : BM029645.D
Acq On : 24 Apr 2021 19:44
Operator : CG/JU
Sample : M2145-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-02-042221

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.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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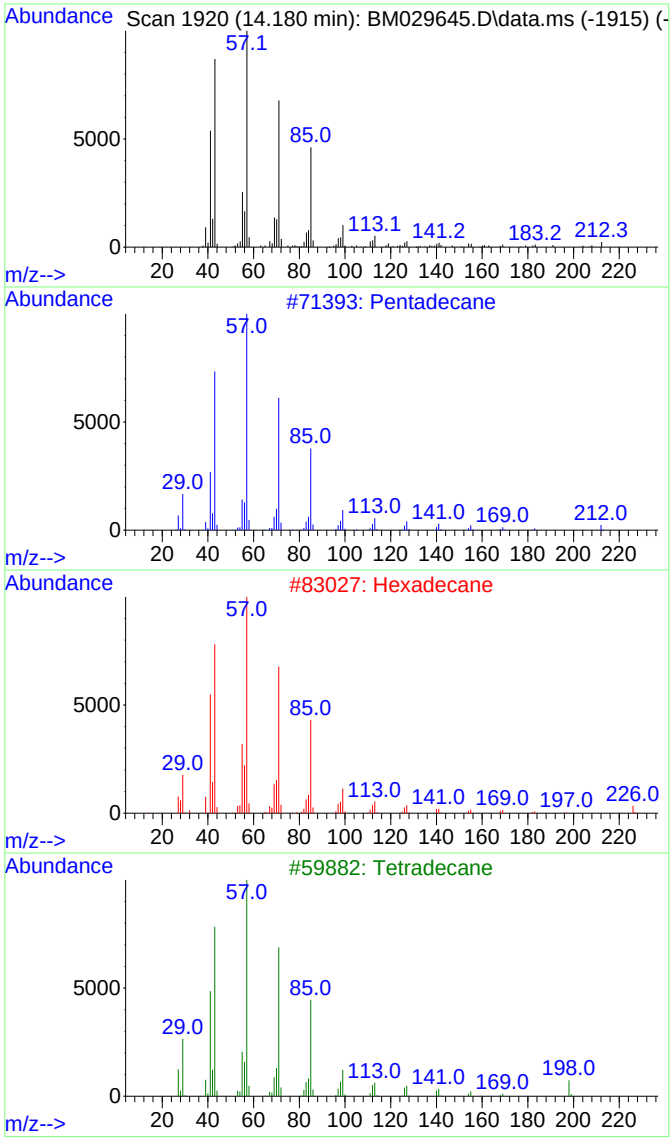
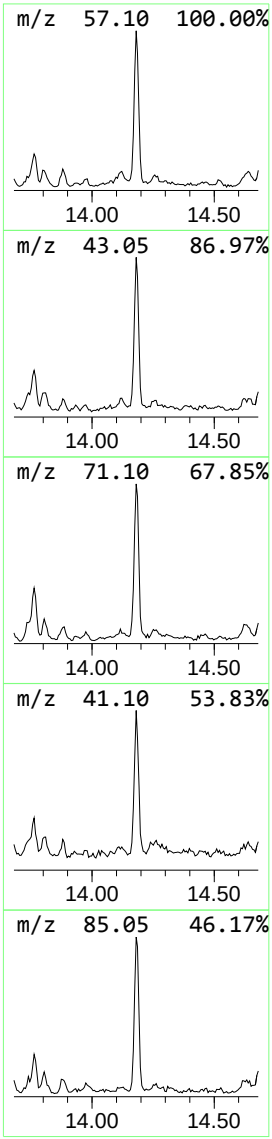
Peak Number 2 Pentadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.180	3.28 ng	169231	Acenaphthene-d10	14.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	93
2	Hexadecane	226	C16H34	000544-76-3	91
3	Tetradecane	198	C14H30	000629-59-4	90
4	Heptadecane	240	C17H36	000629-78-7	90
5	Nonadecane	268	C19H40	000629-92-5	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042421\
Data File : BM029645.D
Acq On : 24 Apr 2021 19:44
Operator : CG/JU
Sample : M2145-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-02-042221

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.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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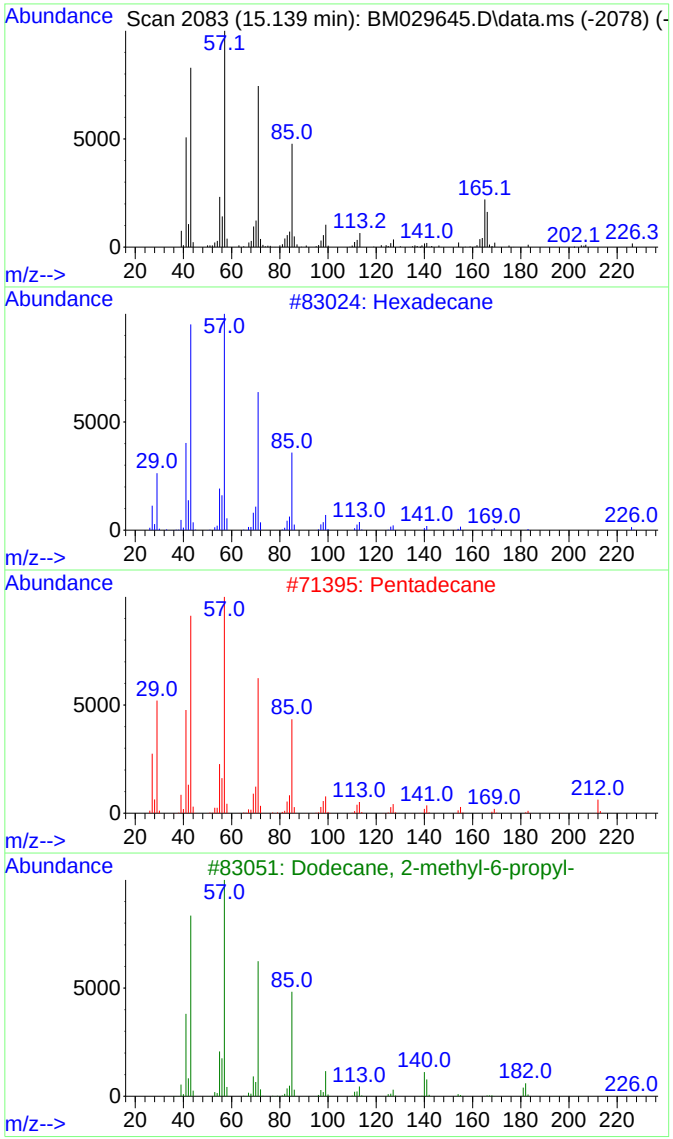
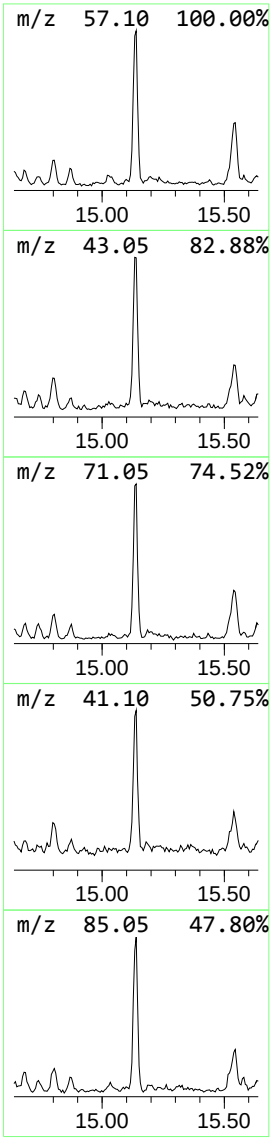
Peak Number 3 Hexadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.139	3.65 ng	188667	Acenaphthene-d10	14.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Pentadecane	212	C15H32	000629-62-9	72
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	72
4	Tetradecane	198	C14H30	000629-59-4	72
5	Tridecane	184	C13H28	000629-50-5	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042421\
Data File : BM029645.D
Acq On : 24 Apr 2021 19:44
Operator : CG/JU
Sample : M2145-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SU-02-042221

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.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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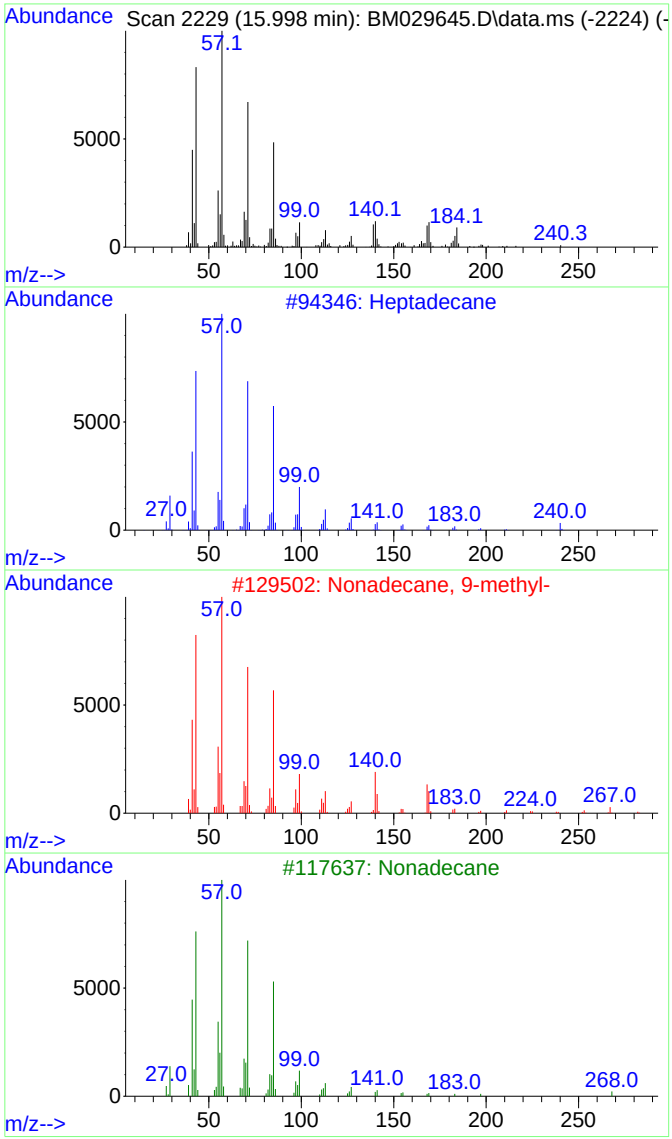
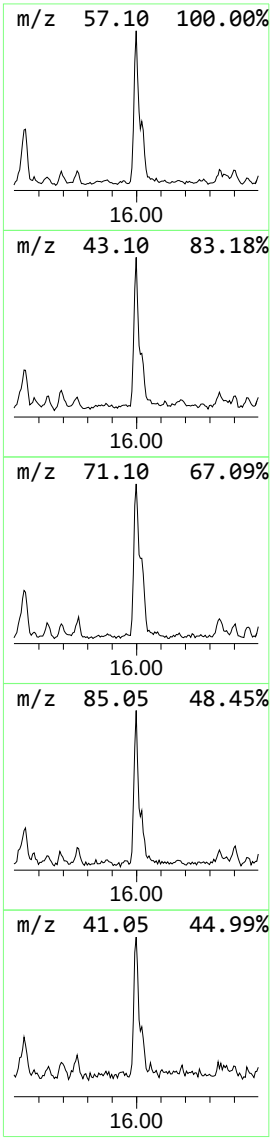
Peak Number 4 Heptadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.998	5.17 ng	291946	Phenanthrene-d10	17.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	92
2	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	74
3	Nonadecane	268	C19H40	000629-92-5	64
4	Dodecane	170	C12H26	000112-40-3	64
5	Tridecane, 7-hexyl-	268	C19H40	007225-66-3	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042421\
Data File : BM029645.D
Acq On : 24 Apr 2021 19:44
Operator : CG/JU
Sample : M2145-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-02-042221

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.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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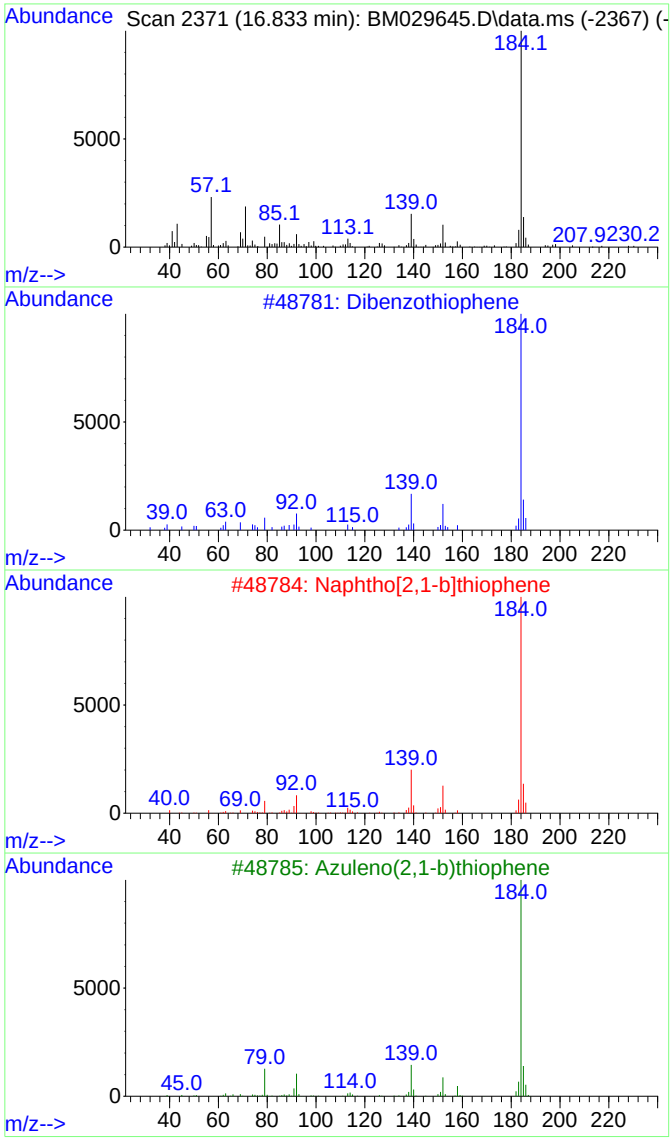
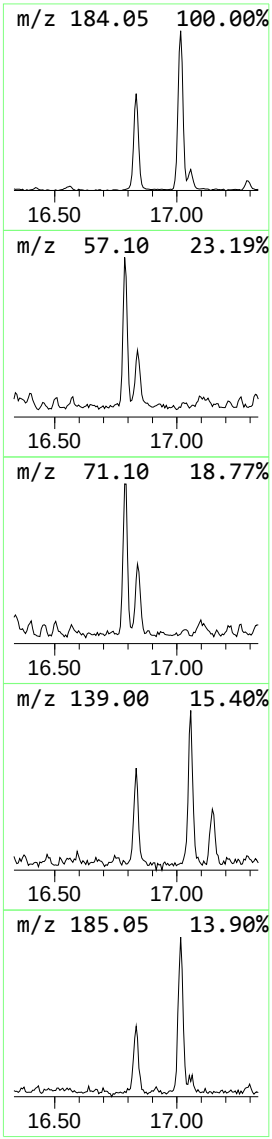
Peak Number 5 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.833	3.58 ng	202087	Phenanthrene-d10	17.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	87
5	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042421\
Data File : BM029645.D
Acq On : 24 Apr 2021 19:44
Operator : CG/JU
Sample : M2145-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SU-02-042221

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.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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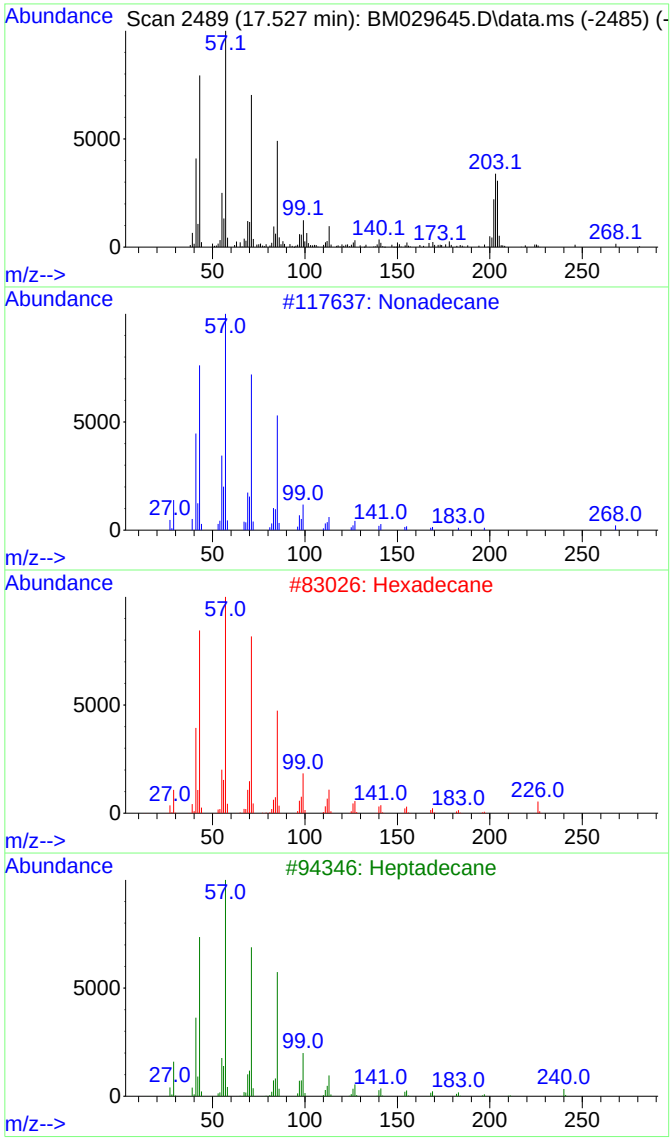
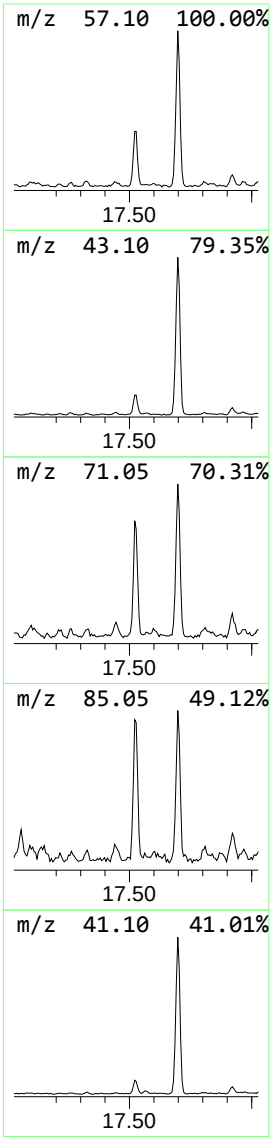
Peak Number 6 Nonadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.527	3.20 ng	180642	Phenanthrene-d10	17.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	95
2	Hexadecane	226	C16H34	000544-76-3	60
3	Heptadecane	240	C17H36	000629-78-7	58
4	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	58
5	Undecane, 6-ethyl-	184	C13H28	017312-60-6	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042421\
Data File : BM029645.D
Acq On : 24 Apr 2021 19:44
Operator : CG/JU
Sample : M2145-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-02-042221

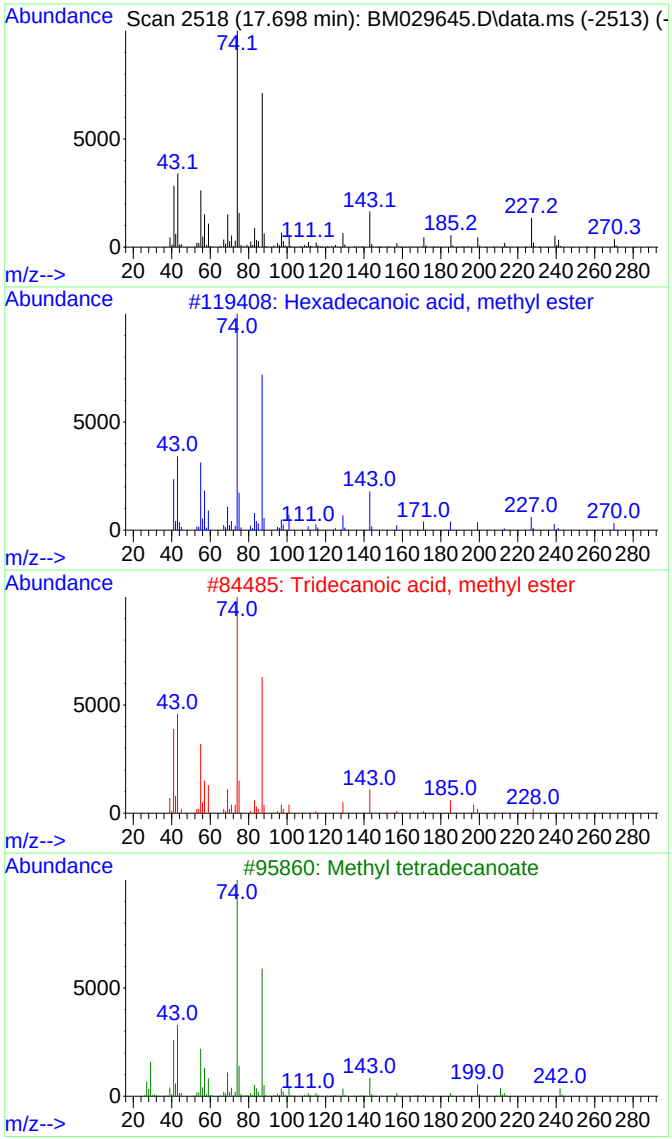
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

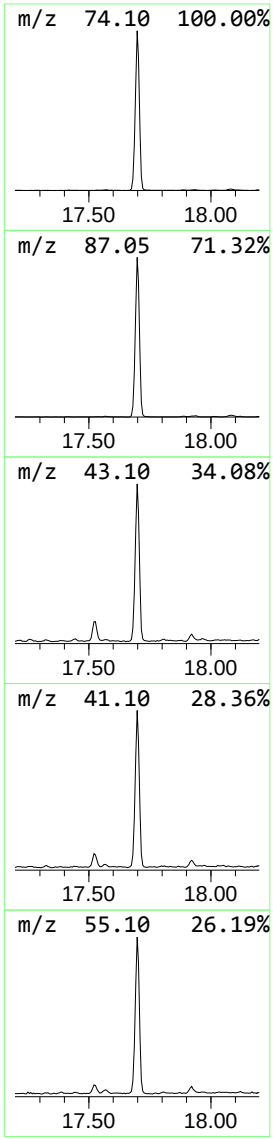
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Hexadecanoic acid, methyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.698	41.86 ng	2362610	Phenanthrene-d10	17.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	95
3	Methyl tetradecanoate	242	C15H30O2	000124-10-7	94
4	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	93
5	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	83





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Acq On : 24 Apr 2021 19:44
Operator : CG/JU
Sample : M2145-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-02-042221

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

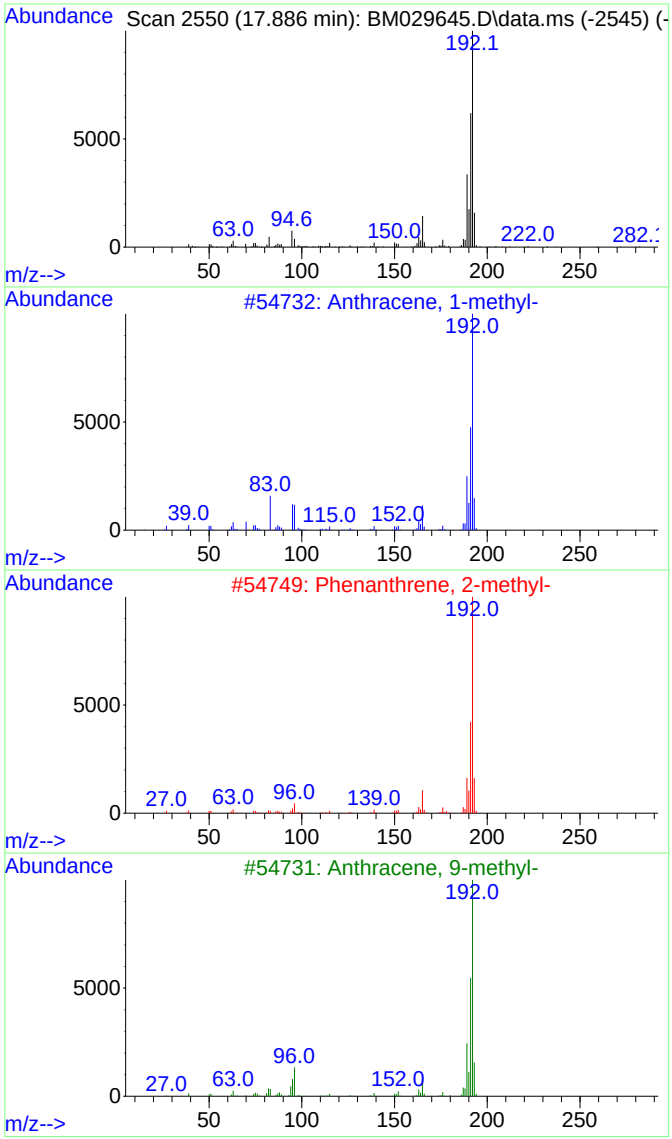
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

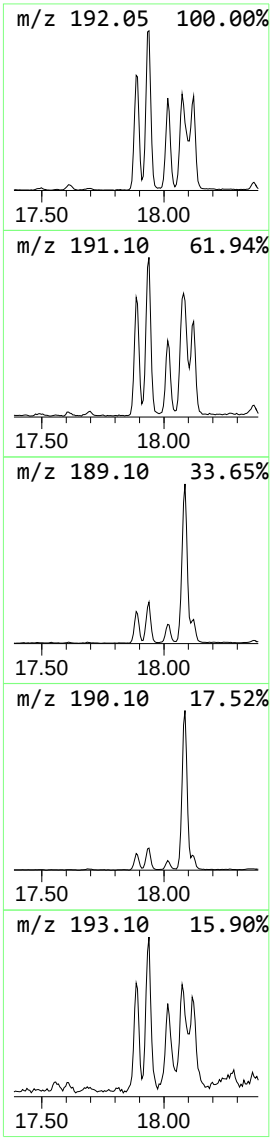
****

Peak Number 8 Anthracene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.886	5.63 ng	317783	Phenanthrene-d10	17.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





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Sample : M2145-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-02-042221

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

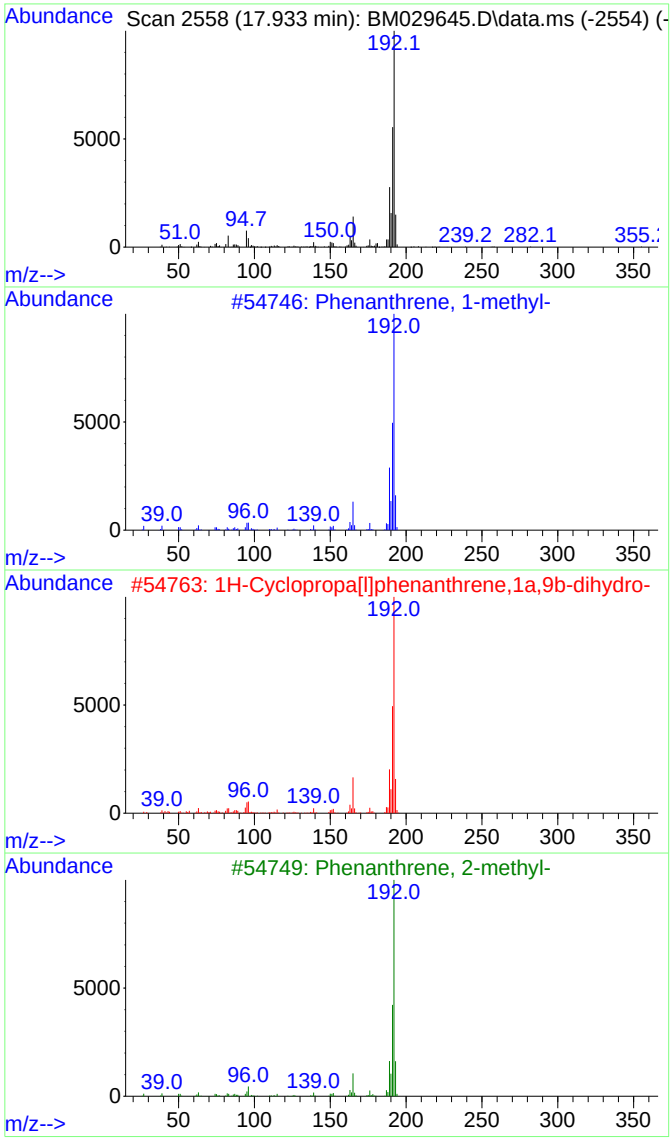
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

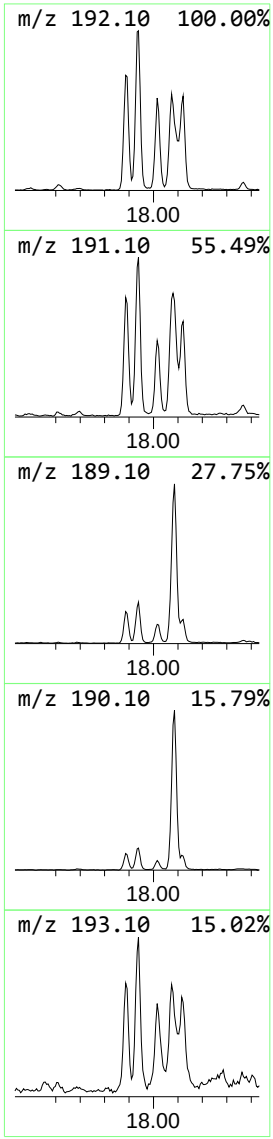
****

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.933	9.28 ng	523725	Phenanthrene-d10	17.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93





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Sample : M2145-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SU-02-042221

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

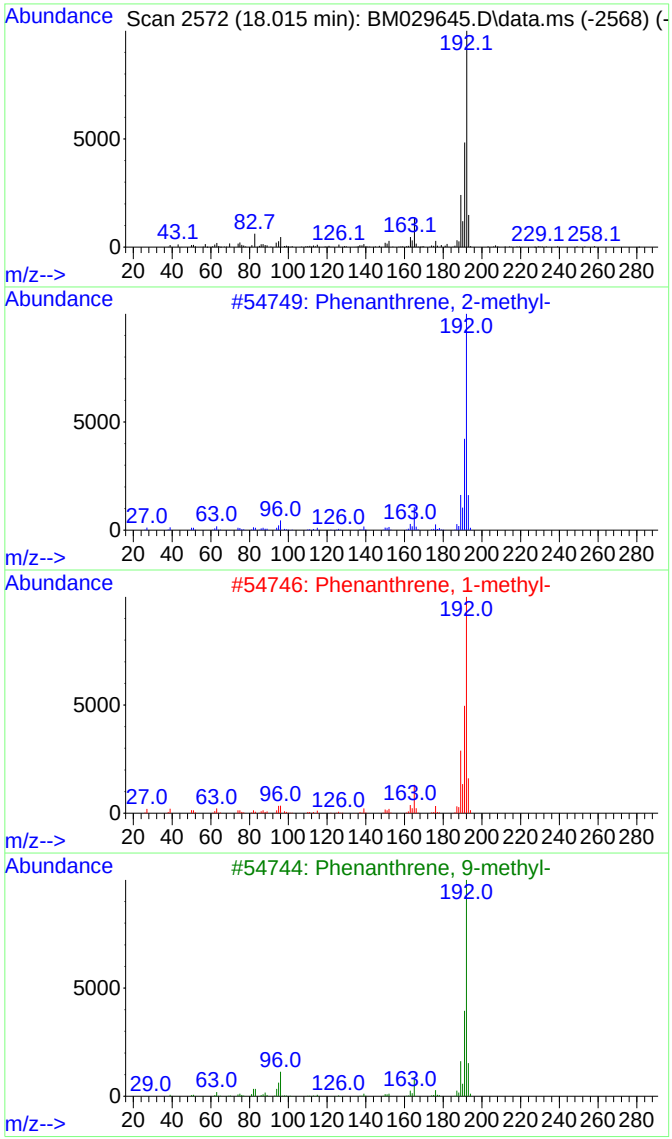
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

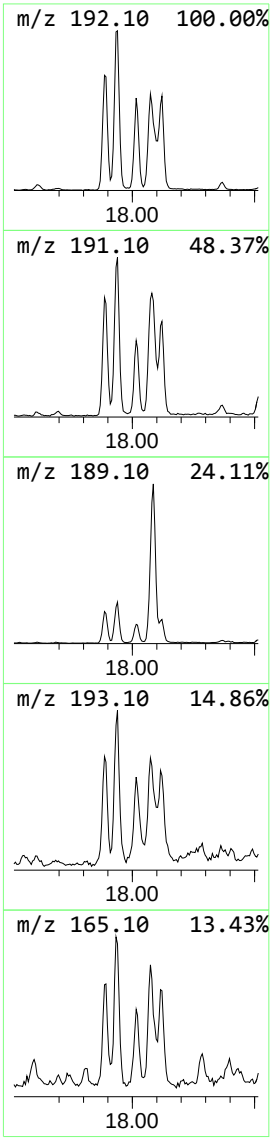
****

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.015	4.01 ng	226406	Phenanthrene-d10	17.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Acq On : 24 Apr 2021 19:44
Operator : CG/JU
Sample : M2145-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SU-02-042221

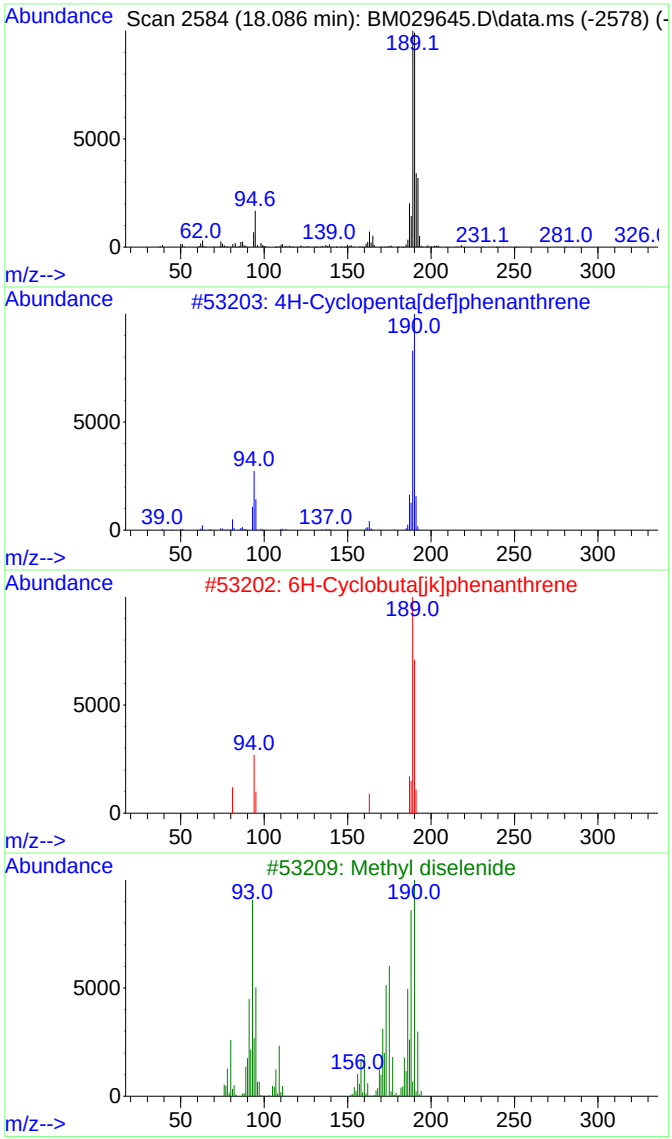
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

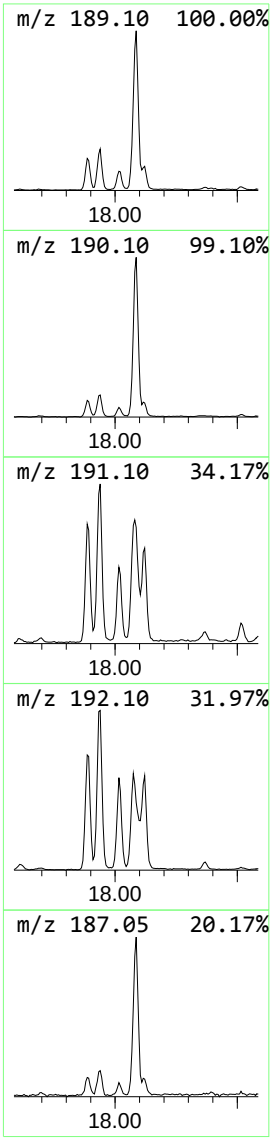
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.086	14.41 ng	813236	Phenanthrene-d10	17.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	55
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42





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Operator : CG/JU
Sample : M2145-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SU-02-042221

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

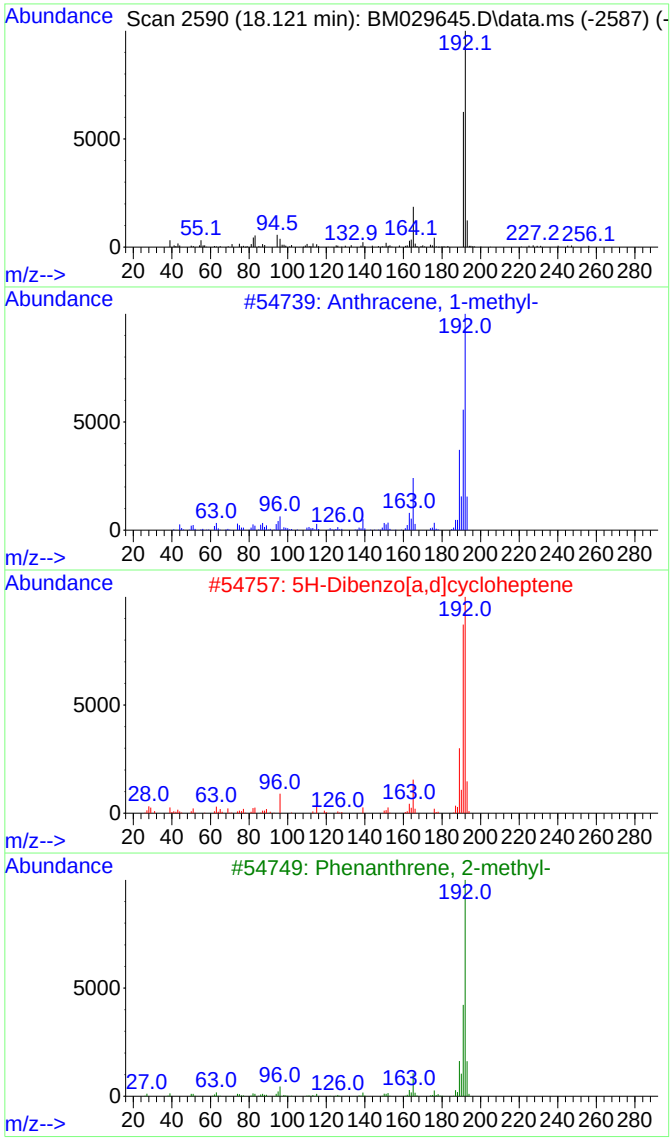
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

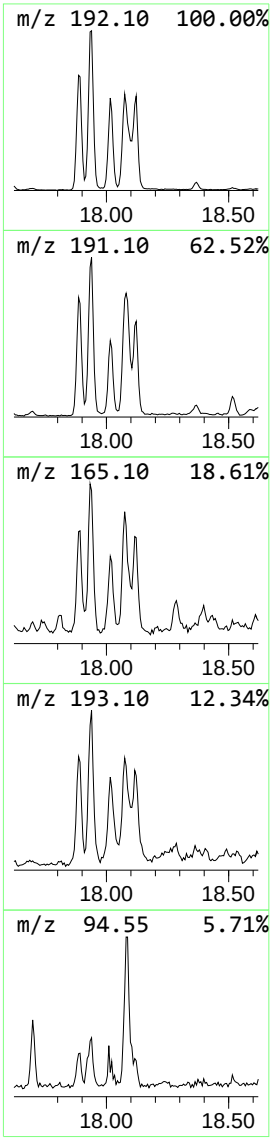
****

Peak Number 12 5H-Dibenzo[a,d]cycloheptene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.121	4.21 ng	237824	Phenanthrene-d10	17.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	86
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	80
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	78
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	78





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Operator : CG/JU
Sample : M2145-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-02-042221

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

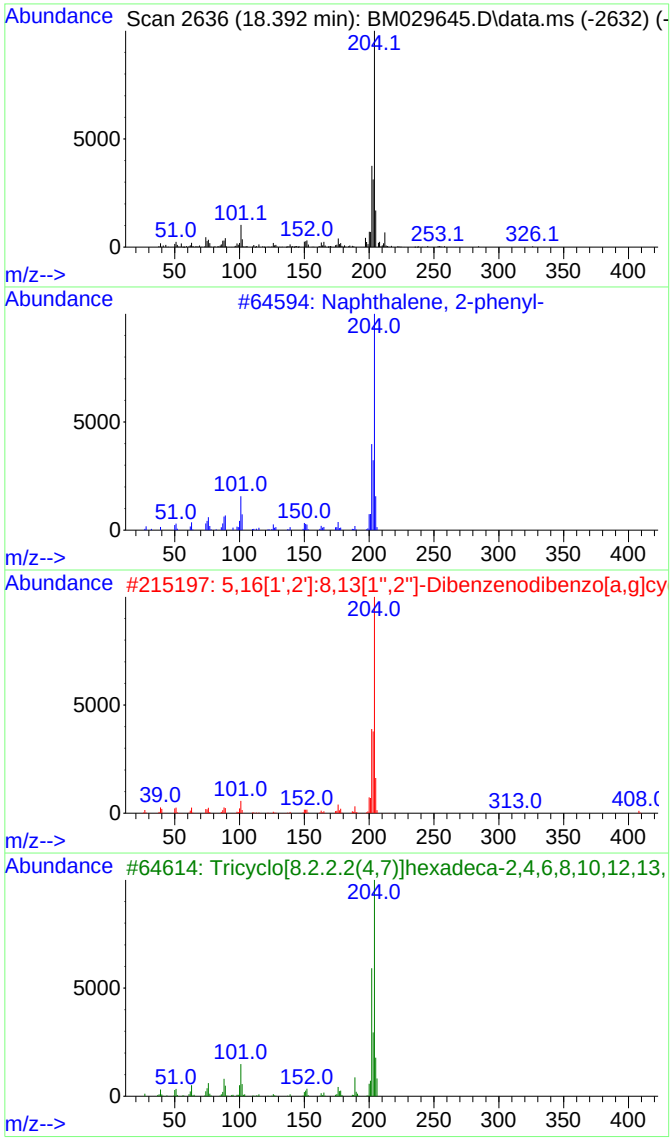
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

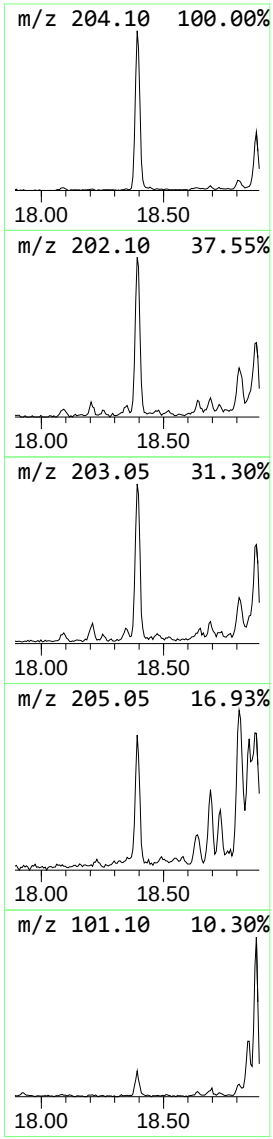
****

Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.392	3.92 ng	221084	Phenanthrene-d10	17.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	52
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	50





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Operator : CG/JU
Sample : M2145-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SU-02-042221

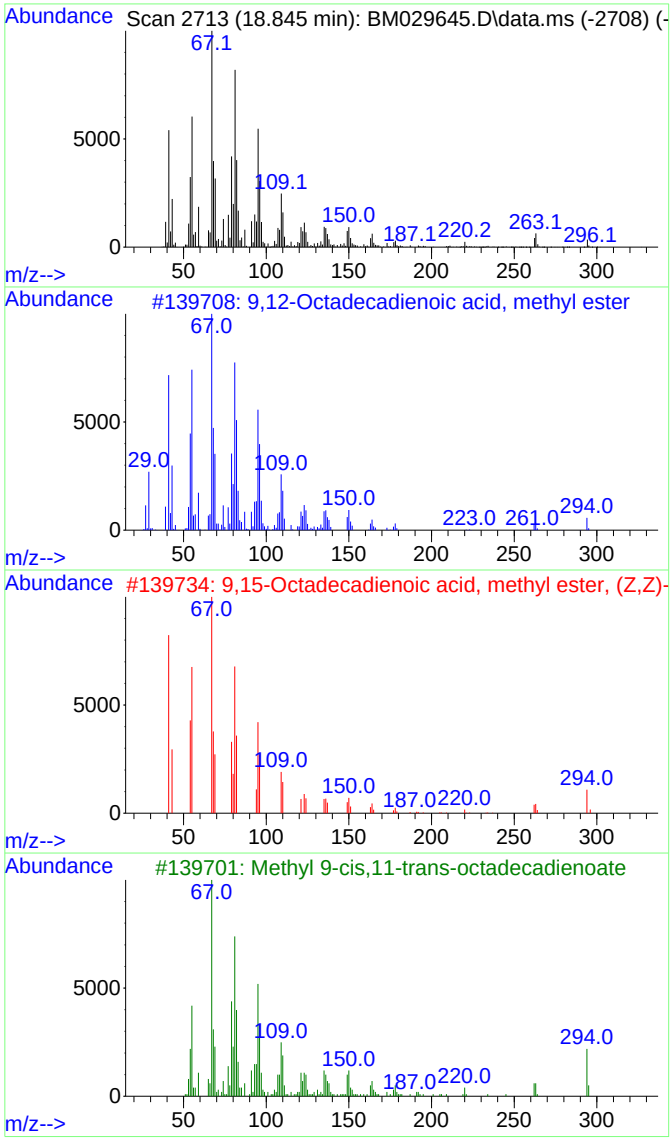
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

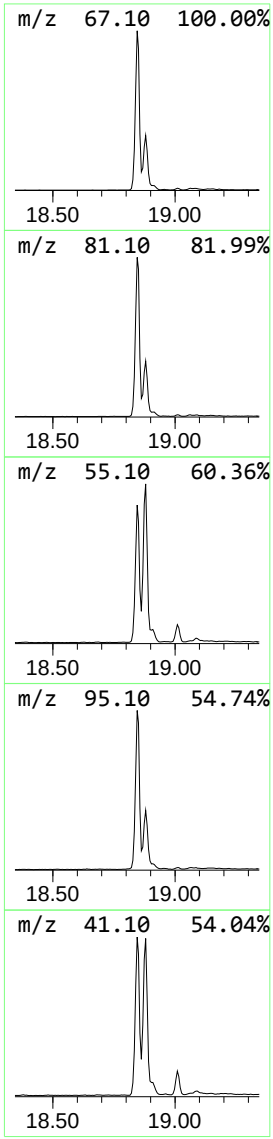
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.845	131.05 ng	7396820	Phenanthrene-d10	17.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
2	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
3	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	99
4	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
5	8,11-Octadecadienoic acid, methy...	294	C19H34O2	056599-58-7	98





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Acq On : 24 Apr 2021 19:44
Operator : CG/JU
Sample : M2145-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SU-02-042221

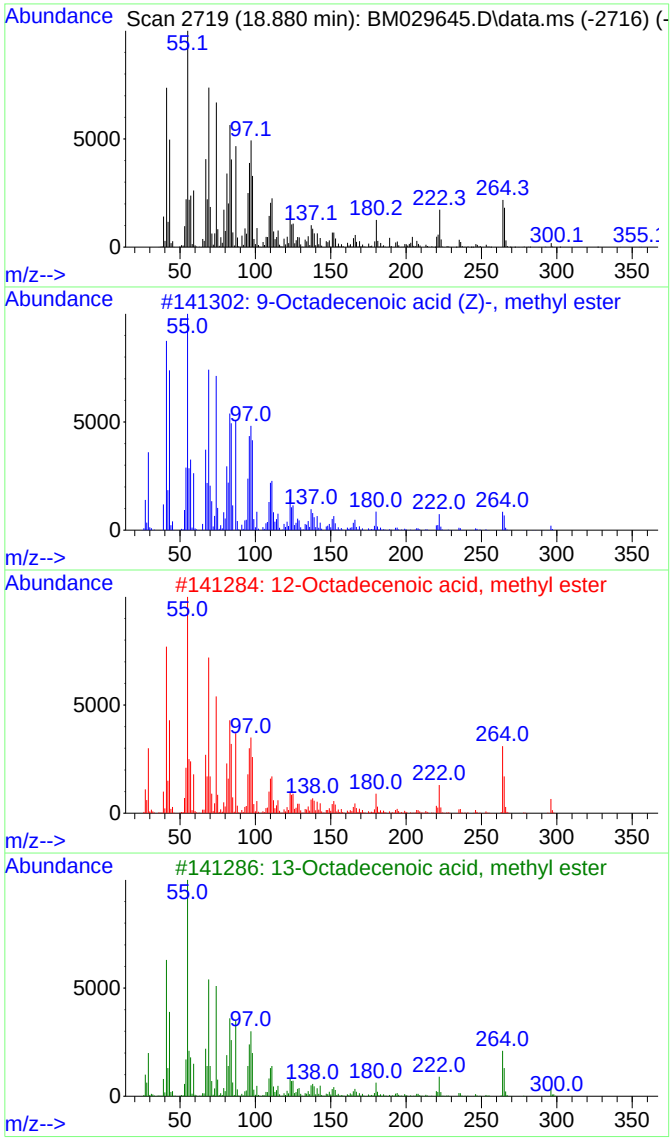
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

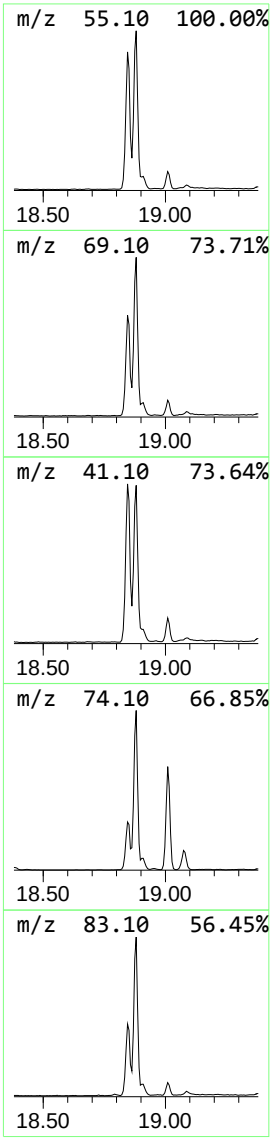
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 9-Octadecenoic acid (Z)-, m... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.880	103.78 ng	5857420	Phenanthrene-d10	17.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
2	12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	99
3	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99
4	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	99
5	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	99





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Operator : CG/JU
Sample : M2145-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SU-02-042221

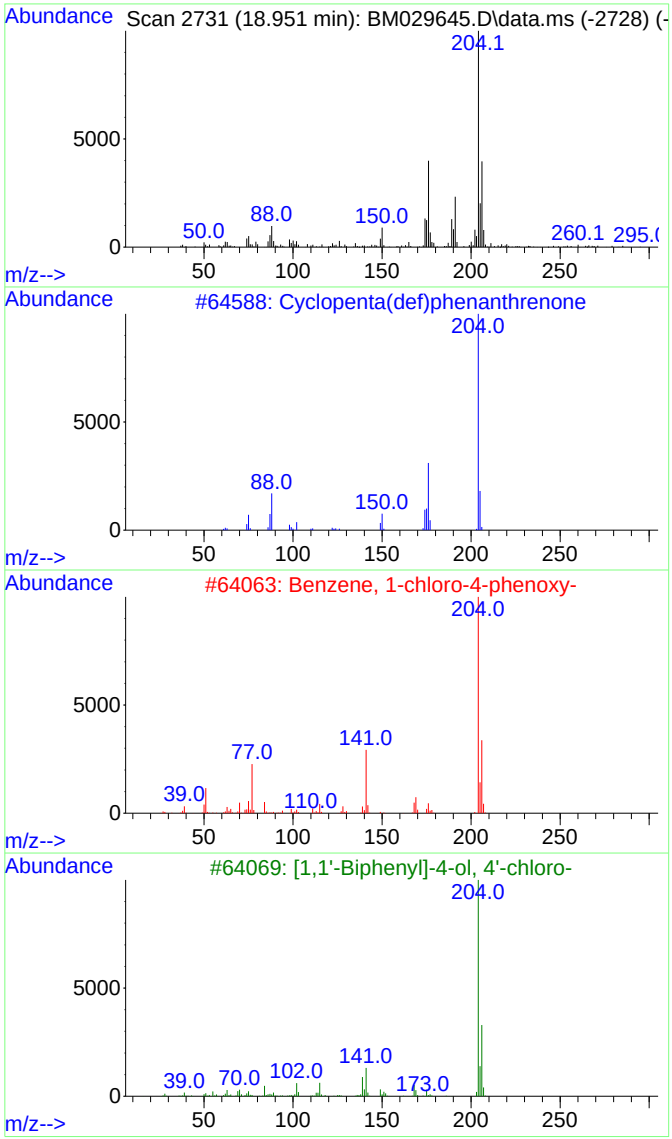
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

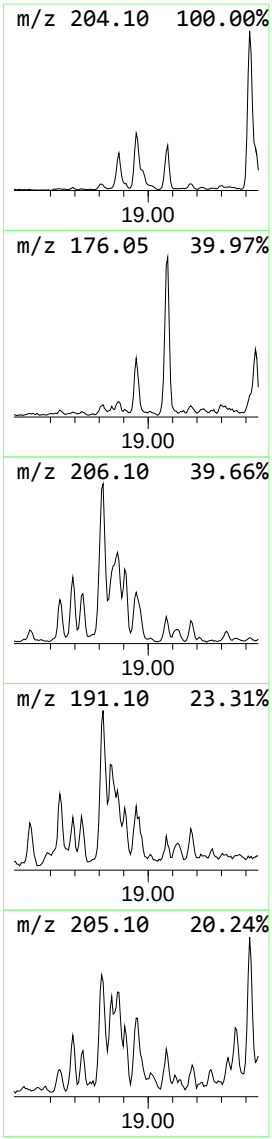
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.951	3.23 ng	182508	Phenanthrene-d10	17.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	Benzene, 1-chloro-4-phenoxy-	204	C12H9ClO	007005-72-3	49
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46
4	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43





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Sample : M2145-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SU-02-042221

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.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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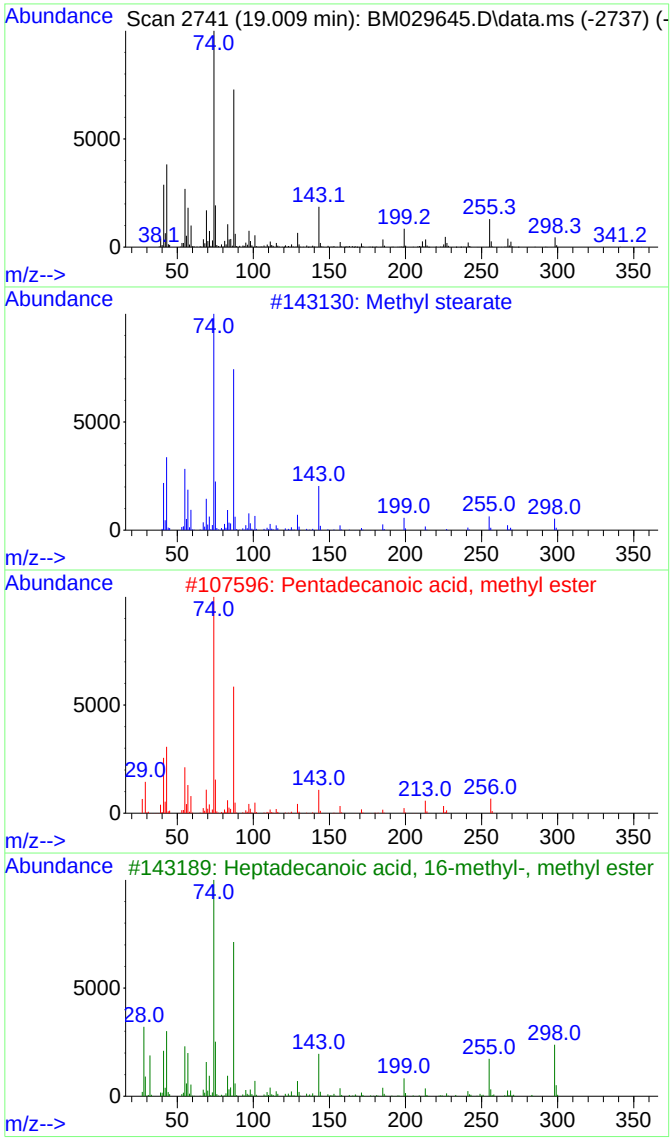
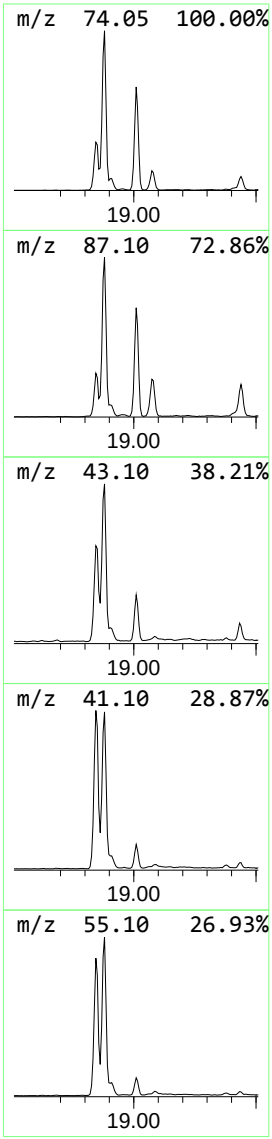
Peak Number 17 Methyl stearate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.009	17.90 ng	1010090	Phenanthrene-d10	17.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl stearate	298	C19H38O2	000112-61-8	98
2	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	93
3	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	93
4	Heptadecanoic acid, 15-methyl-, ...	298	C19H38O2	054833-55-5	86
5	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	80





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Sample : M2145-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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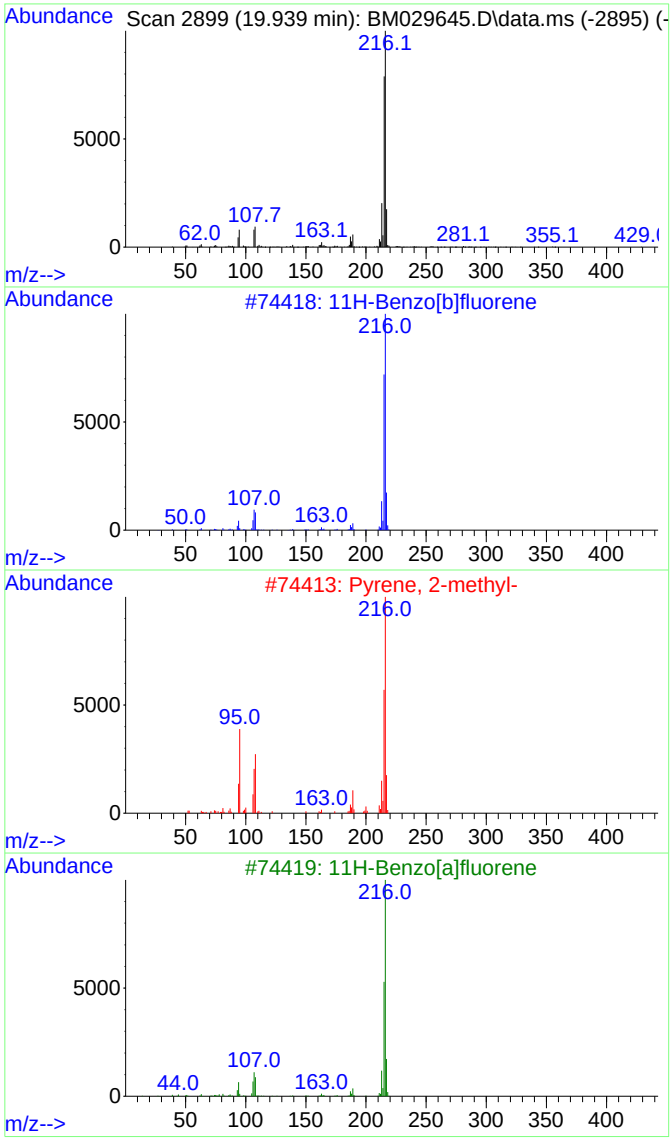
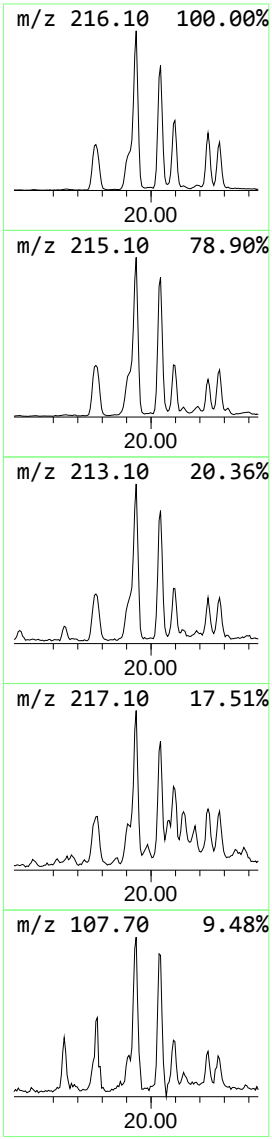
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.939	3.28 ng	761304	Chrysene-d12	21.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





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Data File : BM029645.D
Acq On : 24 Apr 2021 19:44
Operator : CG/JU
Sample : M2145-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SU-02-042221

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.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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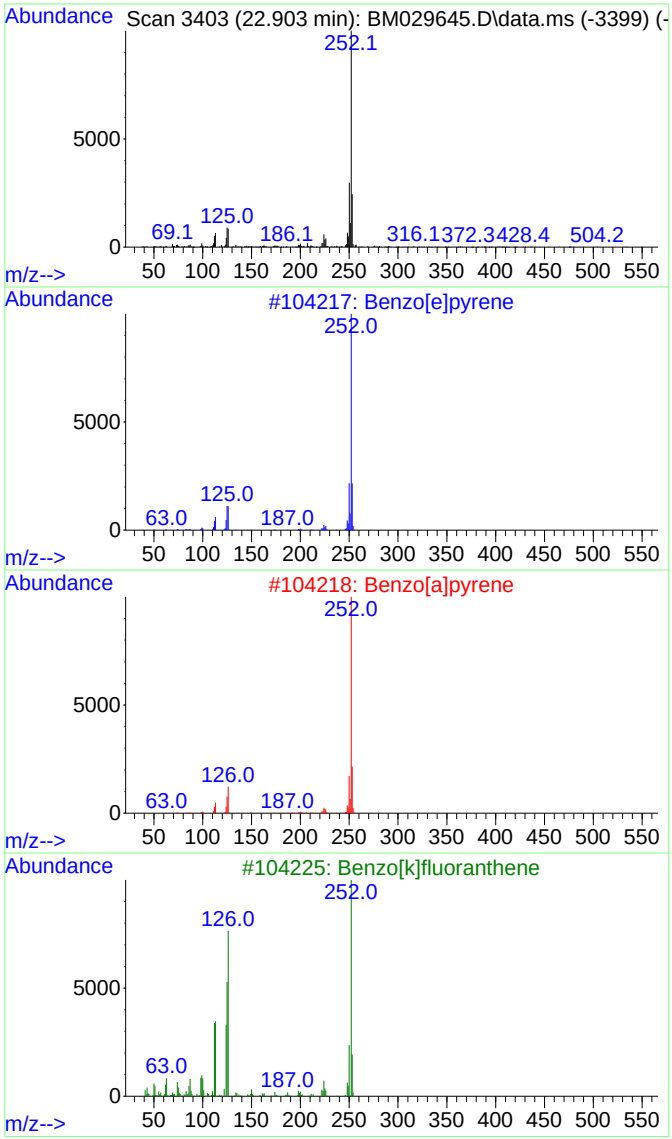
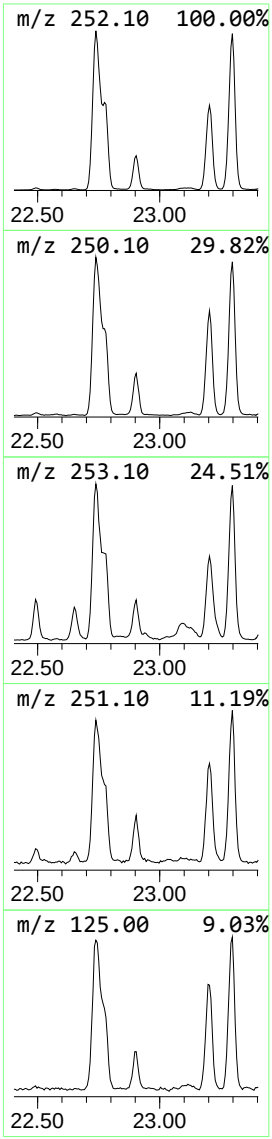
Peak Number 19 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.903	10.75 ng	602858	Perylene-d12	23.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	91
2	Benzo[a]pyrene	252	C20H12	000050-32-8	87
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	86
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81
5	Perylene	252	C20H12	000198-55-0	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042421\
Data File : BM029645.D
Acq On : 24 Apr 2021 19:44
Operator : CG/JU
Sample : M2145-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-02-042221

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.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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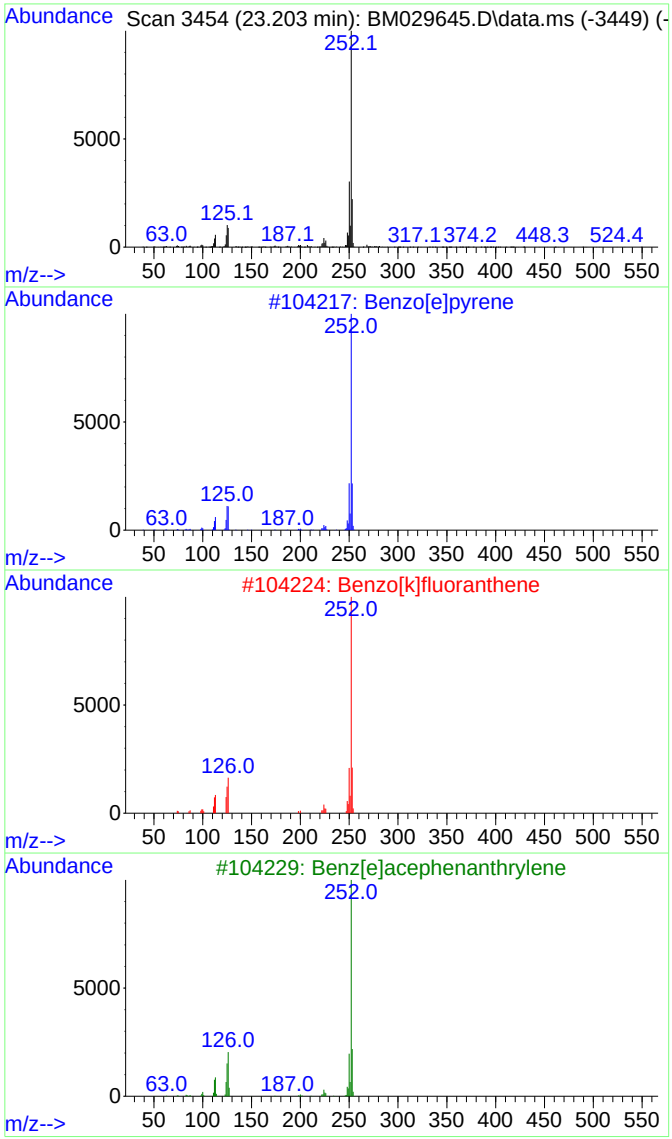
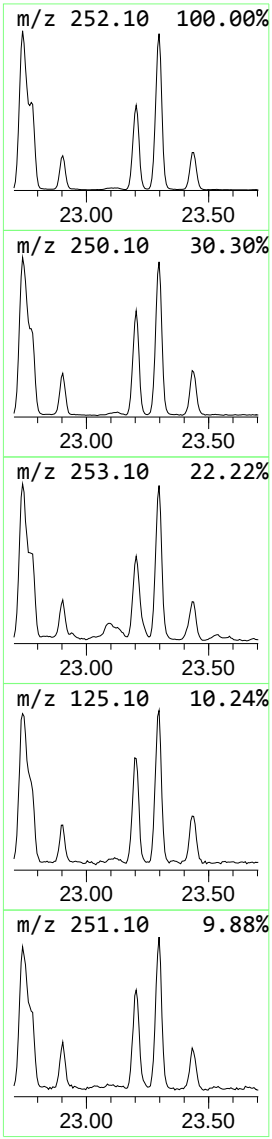
Peak Number 20 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.203	27.95 ng	1567600	Perylene-d12	23.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042421\
Data File : BM029645.D
Acq On : 24 Apr 2021 19:44
Operator : CG/JU
Sample : M2145-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SU-02-042221

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042121.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
Tetradecane	13.098	3.4	ng	174275	3	14.269	1033300	20.0
Pentadecane	14.180	3.3	ng	169231	3	14.269	1033300	20.0
Hexadecane	15.139	3.6	ng	188667	3	14.269	1033300	20.0
Heptadecane	15.998	5.2	ng	291946	4	17.015	1128850	20.0
Dibenzothiophene	16.833	3.6	ng	202087	4	17.015	1128850	20.0
Nonadecane	17.527	3.2	ng	180642	4	17.015	1128850	20.0
Hexadecanoic ac...	17.698	41.9	ng	2362610	4	17.015	1128850	20.0
Anthracene, 1-m...	17.886	5.6	ng	317783	4	17.015	1128850	20.0
Phenanthrene, 1...	17.933	9.3	ng	523725	4	17.015	1128850	20.0
Phenanthrene, 2...	18.015	4.0	ng	226406	4	17.015	1128850	20.0
4H-Cyclopenta[d...	18.086	14.4	ng	813236	4	17.015	1128850	20.0
5H-Dibenzo[a,d]...	18.121	4.2	ng	237824	4	17.015	1128850	20.0
Naphthalene, 2-...	18.392	3.9	ng	221084	4	17.015	1128850	20.0
9,12-Octadecadi...	18.845	131.1	ng	7396820	4	17.015	1128850	20.0
9-Octadecenoic ...	18.880	103.8	ng	5857420	4	17.015	1128850	20.0
Cyclopenta(def)...	18.951	3.2	ng	182508	4	17.015	1128850	20.0
Methyl stearate	19.009	17.9	ng	1010090	4	17.015	1128850	20.0
11H-Benzo[b]flu...	19.939	3.3	ng	761304	5	21.198	4646990	20.0
Benzo[e]pyrene	22.903	10.8	ng	602858	6	23.392	1121810	20.0
Perylene	23.203	27.9	ng	1567600	6	23.392	1121810	20.0