LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092320\
Data File : BP003362.D
Acq On : 23 Sep 2020 17:47
Operator : CG/JU
Sample : L3870-11 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-02-092220

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_P\METHODS\8270-BP091520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP003362.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.181	383	390	413	rVB	505512	801135	7.98%	0.798%
2	6.763	652	659	680	rBV	480055	824443	8.21%	0.822%
3	7.563	788	795	812	rBV	739585	1150916	11.46%	1.147%
4	8.710	984	990	1003	rVB	321287	554771	5.52%	0.553%
5	10.340	1258	1267	1273	rBV	969272	1659527	16.52%	1.654%
6	10.393	1273	1276	1285	rVB	79276	136567	1.36%	0.136%
7	11.804	1508	1516	1523	rBV4	57657	128728	1.28%	0.128%
8	12.016	1543	1552	1562	rVB	141870	298480	2.97%	0.297%
9	12.234	1581	1589	1593	rBV	167469	271874	2.71%	0.271%
10	12.828	1684	1690	1700	rVB	922015	1377560	13.72%	1.373%
11	13.057	1721	1729	1736	rBV2	141275	274521	2.73%	0.274%
12	13.375	1778	1783	1793	rBV2	148986	357051	3.55%	0.356%
13	13.534	1805	1810	1815	rVV	194317	306955	3.06%	0.306%
14	13.587	1815	1819	1825	rVB	165522	242429	2.41%	0.242%
15	13.675	1830	1834	1839	rBV	112920	153844	1.53%	0.153%
16	13.934	1873	1878	1885	rBV2	190546	297825	2.97%	0.297%
17	14.139	1908	1913	1918	rBV	227577	298600	2.97%	0.298%
18	14.210	1918	1925	1931	rVV	1362953	2136909	21.28%	2.129%
19	14.275	1931	1936	1944	rVV	301663	502663	5.00%	0.501%
20	14.428	1957	1962	1970	rBV2	71638	172599	1.72%	0.172%
21	14.616	1986	1994	2003	rVB2	216063	492331	4.90%	0.491%
22	14.698	2004	2008	2012	rVV	124125	158862	1.58%	0.158%
23	14.763	2015	2019	2025	rVB4	96172	151689	1.51%	0.151%
24	14.839	2027	2032	2037	rBV2	113755	230051	2.29%	0.229%
25	14.892	2037	2041	2045	rVB	95411	145970	1.45%	0.145%
26	15.098	2072	2076	2080	rVB	298978	357741	3.56%	0.356%
27	15.263	2099	2104	2109	rBV	424322	641251	6.38%	0.639%
28	15.510	2138	2146	2150	rBV4	127961	285312	2.84%	0.284%
29	15.710	2175	2180	2189	rVB	675945	1075237	10.71%	1.071%
30	15.963	2218	2223	2226	rBV2	354390	504810	5.03%	0.503%
31	16.275	2270	2276	2280	rBV2	98639	184457	1.84%	0.184%
32	16.328	2281	2285	2289	rVB2	109010	161817	1.61%	0.161%
33	16.422	2298	2301	2307	rVB3	94039	144298	1.44%	0.144%
34	16.545	2319	2322	2331	rVB4	82250	137926	1.37%	0.137%
35	16.622	2332	2335	2344	rVB4	96140	173570	1.73%	0.173%
36	16.704	2345	2349	2354	rBV2	78879	148198	1.48%	0.148%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092320\
Data File : BP003362.D
Acq On : 23 Sep 2020 17:47
Operator : CG/JU
Sample : L3870-11 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-02-092220

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_P\METHODS\8270-BP091520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	16.757	2354	2358	2360	rBV	339255	407844	4.06%	0.406%
38	16.963	2388	2393	2397	rBV	1409447	2098203	20.89%	2.091%
39	17.010	2397	2401	2407	rVV	2645820	3619854	36.04%	3.607%
40	17.098	2408	2416	2423	rVB	771403	1139562	11.35%	1.136%
41	17.163	2423	2427	2433	rBV4	75685	147645	1.47%	0.147%
42	17.375	2459	2463	2467	rVB	122229	140549	1.40%	0.140%
43	17.492	2479	2483	2487	rBV2	356167	459190	4.57%	0.458%
44	17.539	2487	2491	2503	rVV3	203721	457498	4.55%	0.456%
45	17.669	2507	2513	2523	rVB	4397197	5769951	57.45%	5.750%
46	17.839	2538	2542	2546	rBV	432233	587534	5.85%	0.585%
47	17.886	2546	2550	2556	rVB	628294	851799	8.48%	0.849%
48	17.969	2560	2564	2569	rVV	228396	317912	3.17%	0.317%
49	18.028	2569	2574	2578	rVV2	759352	1231211	12.26%	1.227%
50	18.069	2578	2581	2588	rVB	322758	441246	4.39%	0.440%
51	18.175	2596	2599	2605	rVB	311377	366500	3.65%	0.365%
52	18.327	2621	2625	2629	rBV	329443	411940	4.10%	0.410%
53	18.375	2629	2633	2638	rVB2	153397	230048	2.29%	0.229%
54	18.569	2663	2666	2670	rVB	123102	147412	1.47%	0.147%
55	18.622	2671	2675	2678	rBV	181912	214930	2.14%	0.214%
56	18.657	2678	2681	2687	rVB2	104878	135650	1.35%	0.135%
57	18.739	2690	2695	2697	rBV	305352	476121	4.74%	0.474%
58	18.780	2697	2702	2704	rVV	6611880	9630774	95.88%	9.597%
59	18.810	2704	2707	2715	rVV2	6647096	10044103	100.00%	10.009%
60	18.875	2715	2718	2724	rVB2	229619	357348	3.56%	0.356%
61	18.933	2724	2728	2733	rVB	1986777	2263645	22.54%	2.256%
62	18.992	2733	2738	2745	rBV	3919666	5116371	50.94%	5.098%
63	19.057	2746	2749	2752	rBV	95147	130242	1.30%	0.130%
64	19.227	2775	2778	2782	rVB2	135839	172405	1.72%	0.172%
65	19.286	2786	2788	2790	rVV	106066	128053	1.27%	0.128%
66	19.345	2790	2798	2807	rVB	3431836	5514276	54.90%	5.495%
67	19.422	2807	2811	2816	rBV2	150234	258056	2.57%	0.257%
68	19.545	2824	2832	2836	rBV2	1398522	1880003	18.72%	1.873%
69	19.580	2836	2838	2845	rVB2	170737	229996	2.29%	0.229%
70	19.669	2847	2853	2857	rBV3	273864	664763	6.62%	0.662%
71	19.769	2867	2870	2872	rBV2	120931	140322	1.40%	0.140%
72	19.792	2872	2874	2876	rVV2	197064	240755	2.40%	0.240%
73	19.827	2877	2880	2884	rVB	598957	760920	7.58%	0.758%
74	19.869	2884	2887	2889	rBV	214746	224863	2.24%	0.224%
75	19.892	2889	2891	2893	rVV2	154181	134347	1.34%	0.134%
76	19.927	2893	2897	2901	rVB2	421104	482308	4.80%	0.481%

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092320\
Data File : BP003362.D
Acq On : 23 Sep 2020 17:47
Operator : CG/JU
Sample : L3870-11 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-02-092220

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_P\METHODS\8270-BP091520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	19.980	2901	2906	2917	rBV4	384736	876796	8.73%	0.874%
78	20.116	2926	2929	2933	rBV2	179061	217238	2.16%	0.216%
79	20.163	2933	2937	2941	rVB	232212	311406	3.10%	0.310%
80	20.557	3001	3004	3010	rBV	252945	323632	3.22%	0.322%
81	20.716	3027	3031	3035	rBV3	276731	417940	4.16%	0.416%
82	20.751	3035	3037	3041	rVB	257670	271841	2.71%	0.271%
83	20.798	3041	3045	3049	rBV3	421045	608557	6.06%	0.606%
84	20.851	3051	3054	3060	rVB	295821	395072	3.93%	0.394%
85	20.927	3064	3067	3069	rBV	160440	190700	1.90%	0.190%
86	21.057	3083	3089	3094	rBV3	2311577	4695258	46.75%	4.679%
87	21.098	3094	3096	3106	rVB	1688423	1985981	19.77%	1.979%
88	21.216	3112	3116	3121	rBV2	387880	579028	5.76%	0.577%
89	21.369	3138	3142	3147	rVB2	240226	348567	3.47%	0.347%
90	21.604	3179	3182	3185	rVB	291789	323012	3.22%	0.322%
91	21.651	3187	3190	3196	rVB	353661	466485	4.64%	0.465%
92	21.792	3211	3214	3217	rBV2	190335	234314	2.33%	0.233%
93	22.604	3346	3352	3356	rBV	1429731	3042947	30.30%	3.032%
94	22.768	3375	3380	3390	rVB	306005	514761	5.13%	0.513%
95	23.068	3425	3431	3439	rVB	800297	1496755	14.90%	1.491%
96	23.157	3441	3446	3453	rVV	1387293	2440645	24.30%	2.432%
97	23.251	3457	3462	3467	rVV2	973297	1908700	19.00%	1.902%
98	23.304	3468	3471	3480	rVB2	350214	670207	6.67%	0.668%
99	25.480	3834	3841	3851	rVB	660562	1739160	17.32%	1.733%
100	26.156	3949	3956	3967	rVB	475923	1326271	13.20%	1.322%

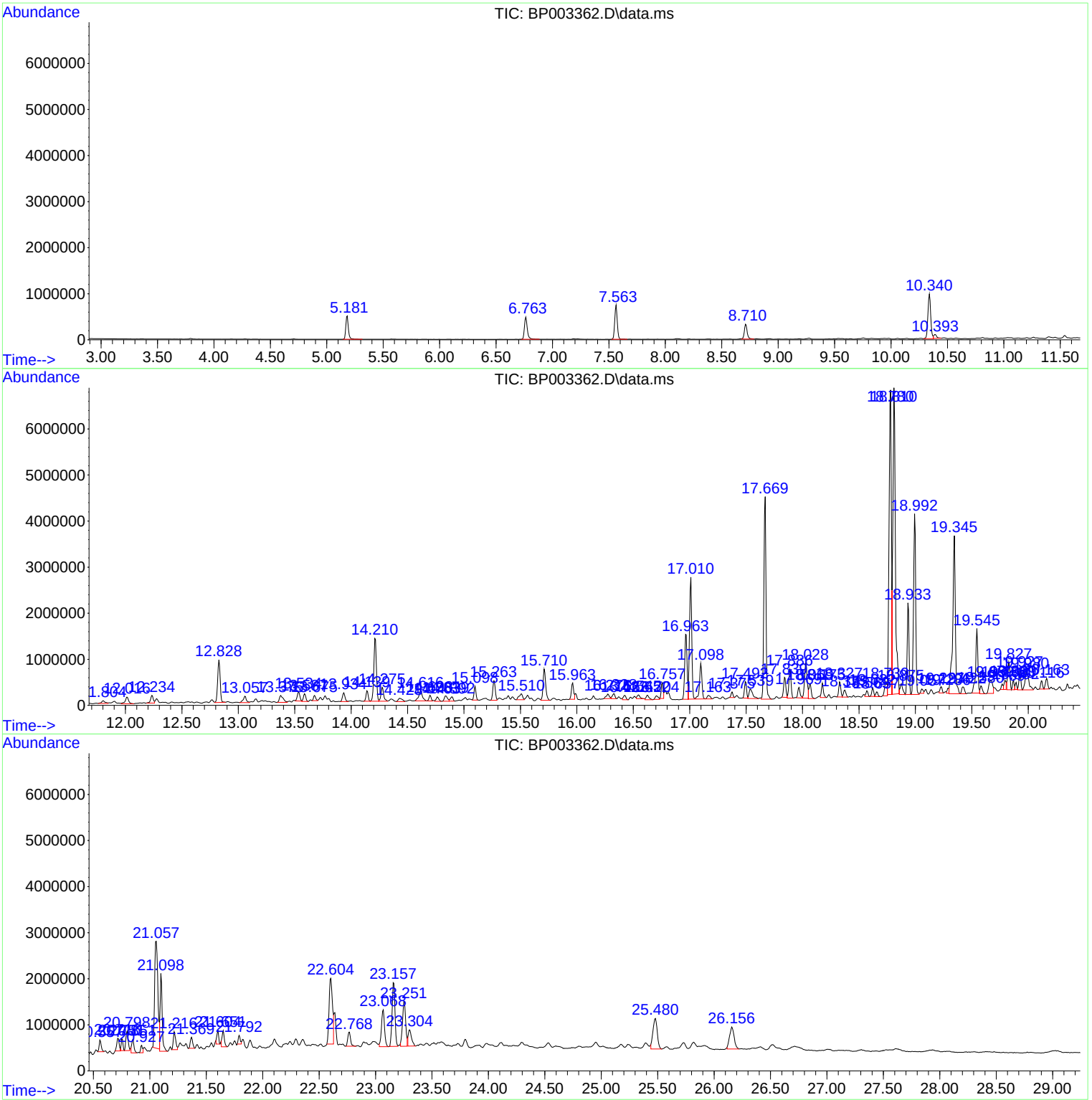
Sum of corrected areas: 100352339

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092320\
Data File : BP003362.D
Acq On : 23 Sep 2020 17:47
Operator : CG/JU
Sample : L3870-11 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SU-02-092220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.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_P\Data\BP092320\
Data File : BP003362.D
Acq On : 23 Sep 2020 17:47
Operator : CG/JU
Sample : L3870-11 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-02-092220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

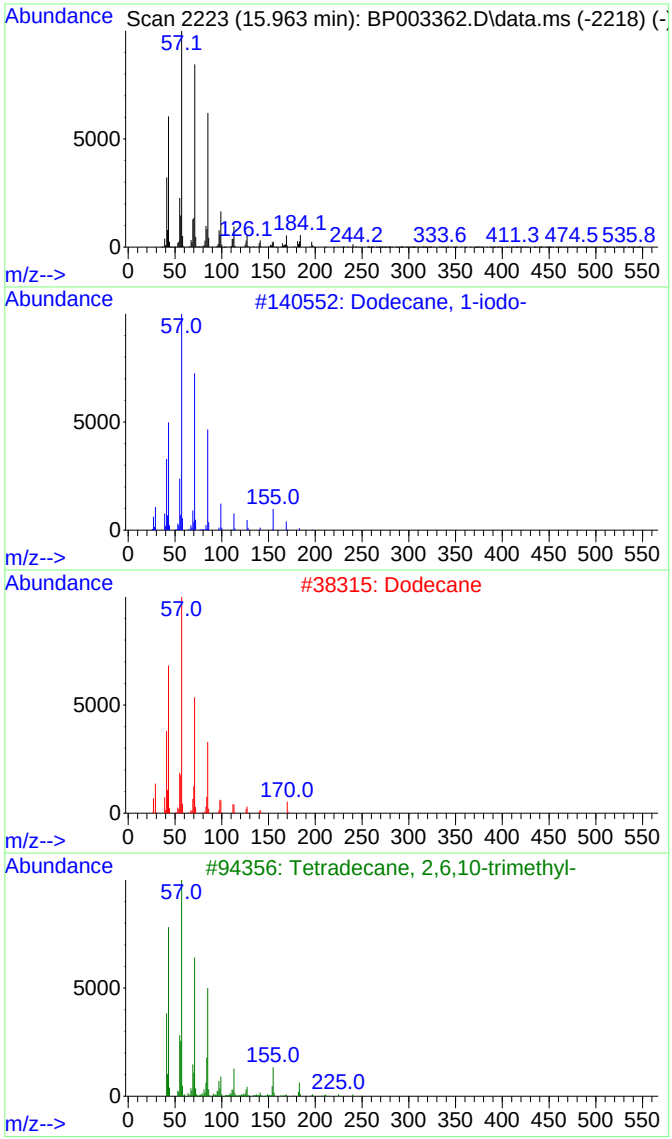
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

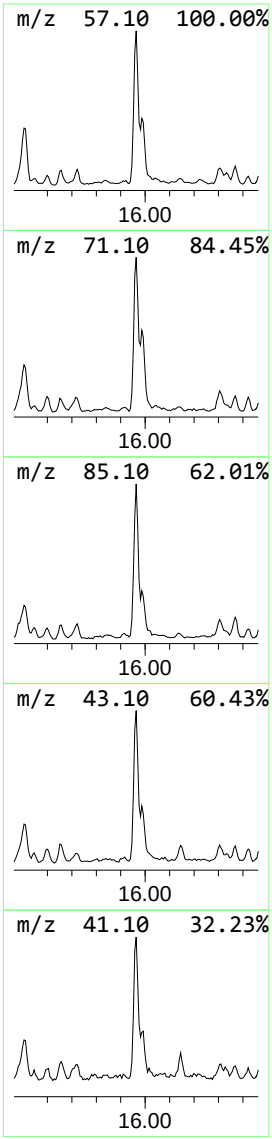
****

Peak Number 1 Dodecane, 1-iodo- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.963	4.81 ng	504810	Phenanthrene-d10	16.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	91
2	Dodecane	170	C12H26	000112-40-3	86
3	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	83
4	Hexadecane, 7-methyl-	240	C17H36	026730-20-1	81
5	Tridecane	184	C13H28	000629-50-5	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092320\
Data File : BP003362.D
Acq On : 23 Sep 2020 17:47
Operator : CG/JU
Sample : L3870-11 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SU-02-092220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

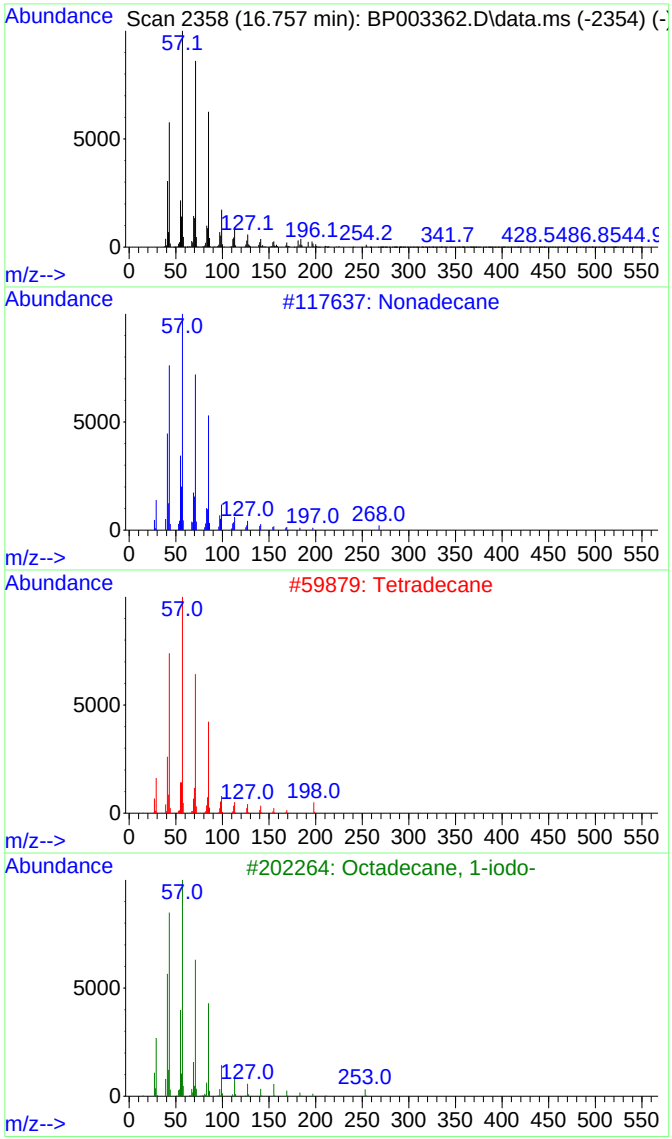
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

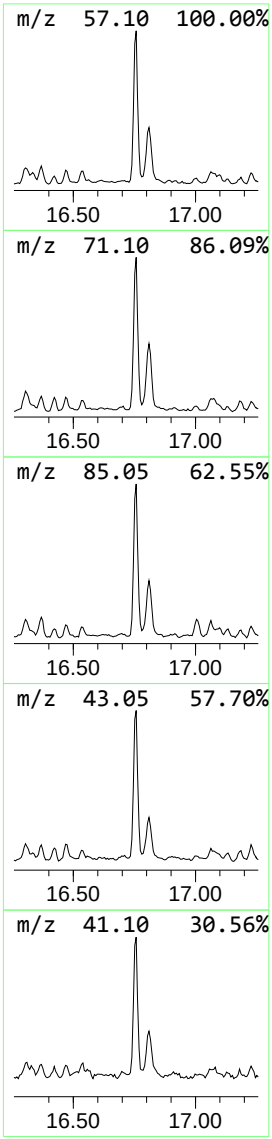
****

Peak Number 2 Nonadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.757	3.89 ng	407844	Phenanthrene-d10	16.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	86
2	Tetradecane	198	C14H30	000629-59-4	86
3	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	86
4	Tridecane	184	C13H28	000629-50-5	83
5	Eicosane	282	C20H42	000112-95-8	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092320\
Data File : BP003362.D
Acq On : 23 Sep 2020 17:47
Operator : CG/JU
Sample : L3870-11 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-02-092220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.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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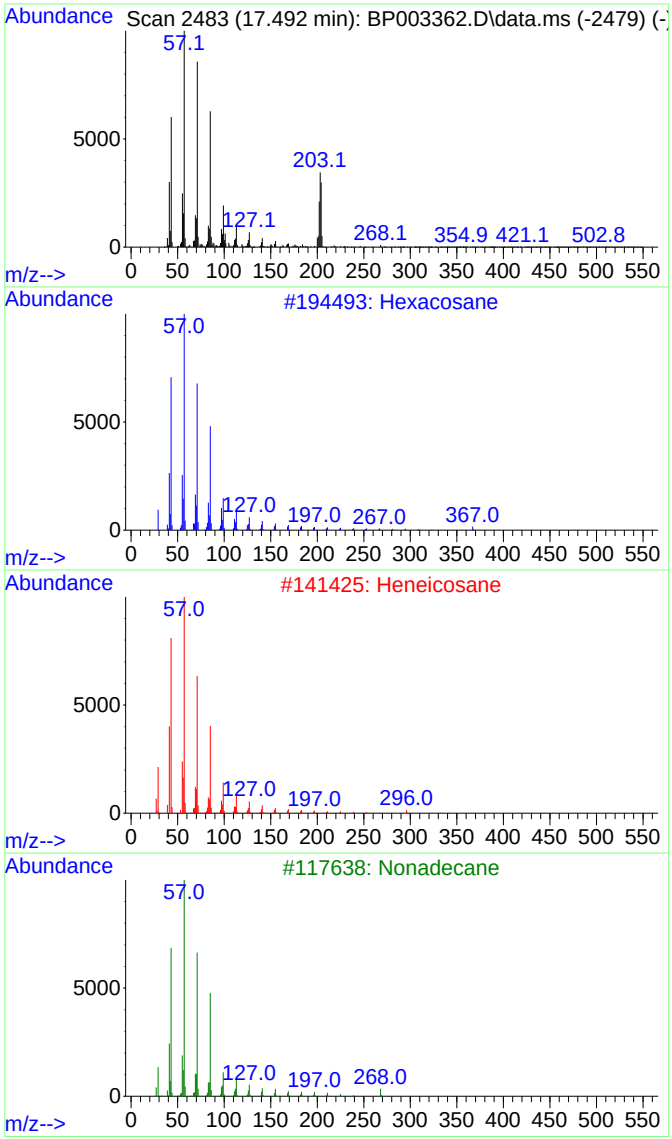
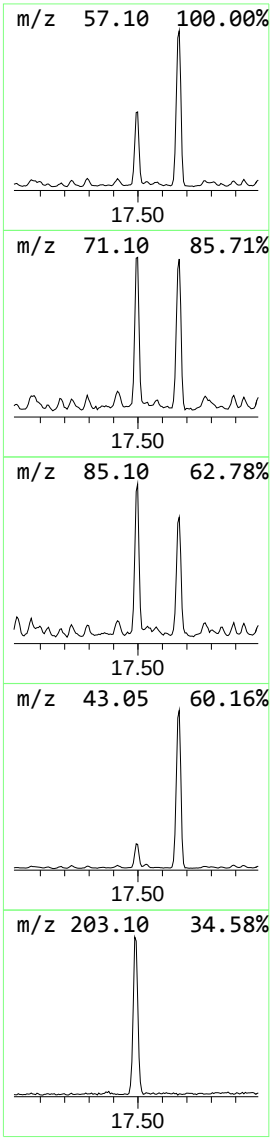
Peak Number 3 Hexacosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.492	4.38 ng	459190	Phenanthrene-d10	16.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	58
2	Heneicosane	296	C21H44	000629-94-7	58
3	Nonadecane	268	C19H40	000629-92-5	58
4	Hexadecane	226	C16H34	000544-76-3	58
5	Octadecane	254	C18H38	000593-45-3	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092320\
Data File : BP003362.D
Acq On : 23 Sep 2020 17:47
Operator : CG/JU
Sample : L3870-11 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-02-092220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

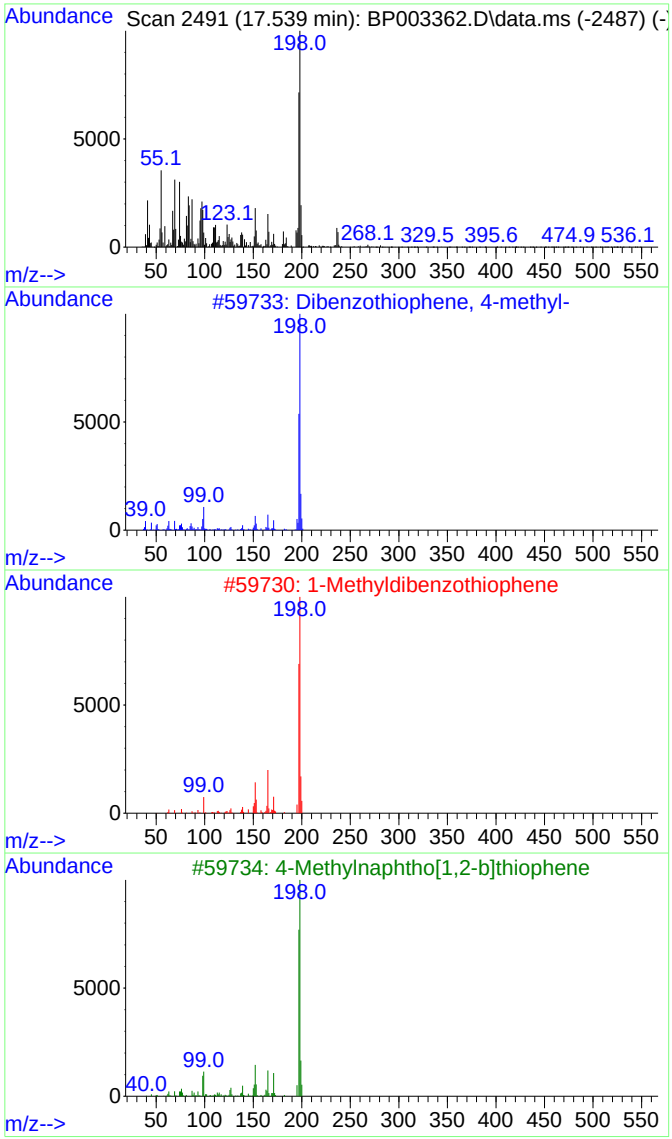
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

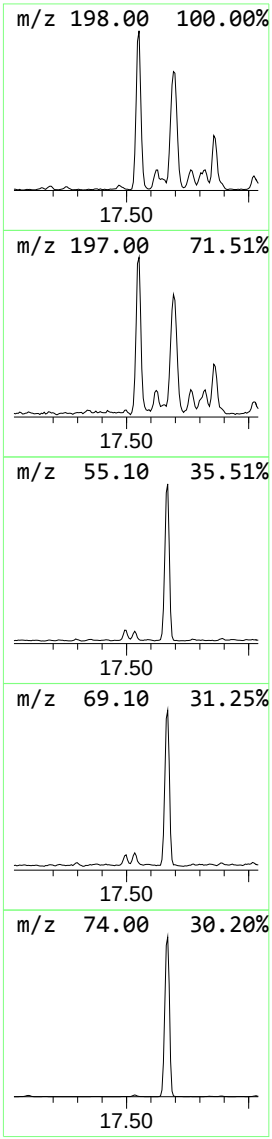
****

Peak Number 4 Dibenzothiophene, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.539	4.36 ng	457498	Phenanthrene-d10	16.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	83
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	78
3	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	78
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	64
5	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092320\
Data File : BP003362.D
Acq On : 23 Sep 2020 17:47
Operator : CG/JU
Sample : L3870-11 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-02-092220

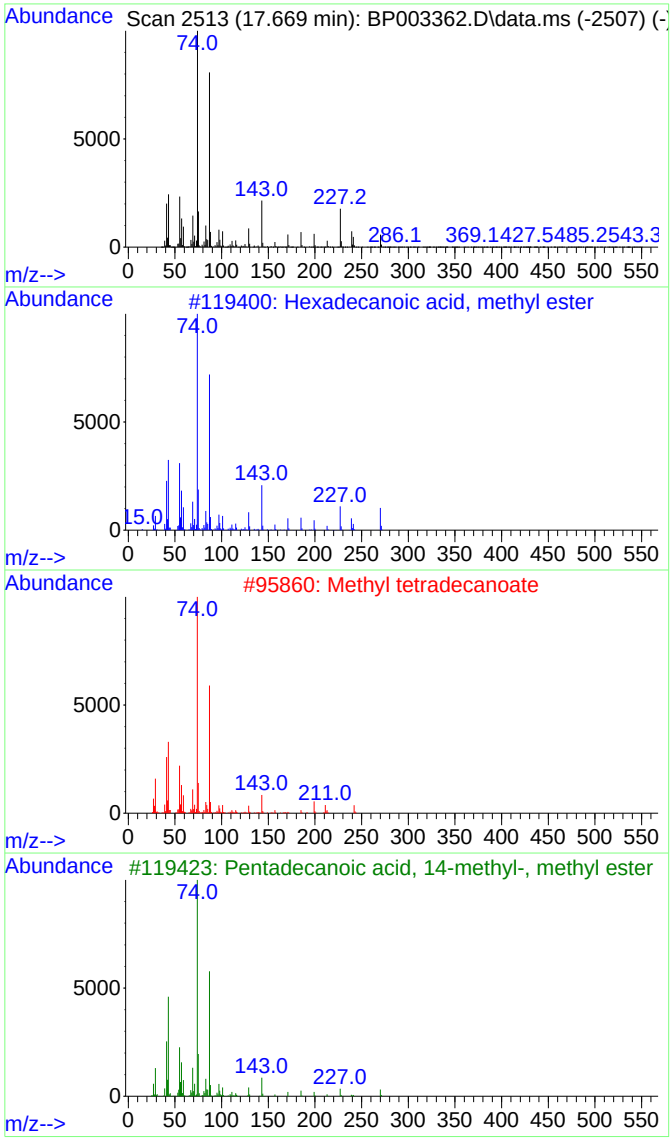
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

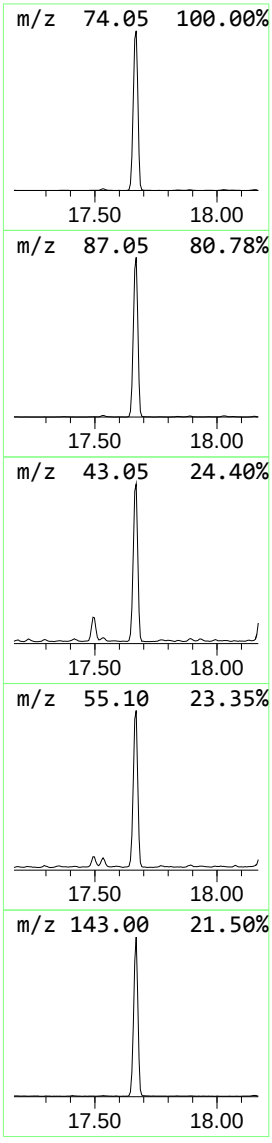
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Hexadecanoic acid, methyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.669	55.00 ng	5769950	Phenanthrene-d10	16.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	97
2	Methyl tetradecanoate	242	C15H30O2	000124-10-7	87
3	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	87
4	Tridecanoic acid, 12-methyl-, me...	242	C15H30O2	005129-58-8	80
5	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	80





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Acq On : 23 Sep 2020 17:47
Operator : CG/JU
Sample : L3870-11 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-02-092220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

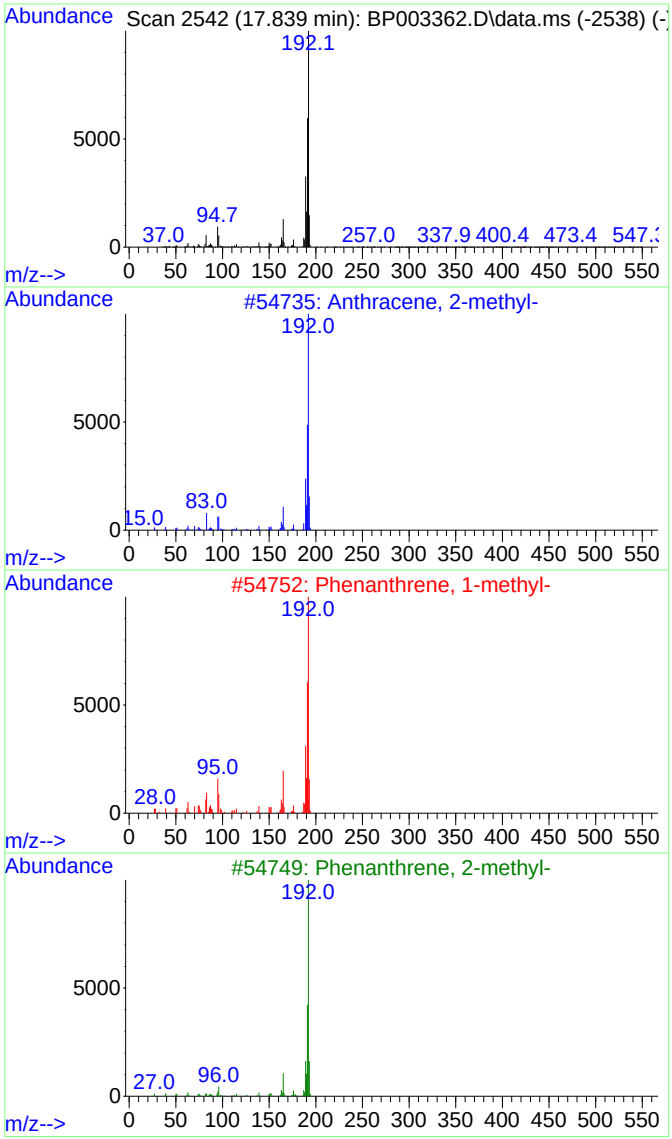
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

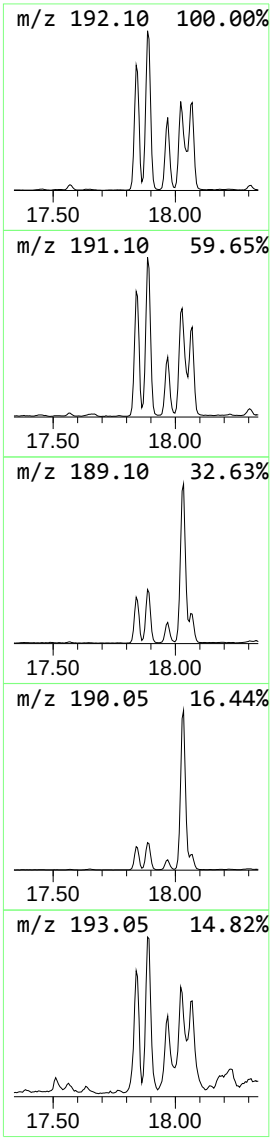
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.839	5.60 ng	587534	Phenanthrene-d10	16.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Operator : CG/JU
Sample : L3870-11 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-02-092220

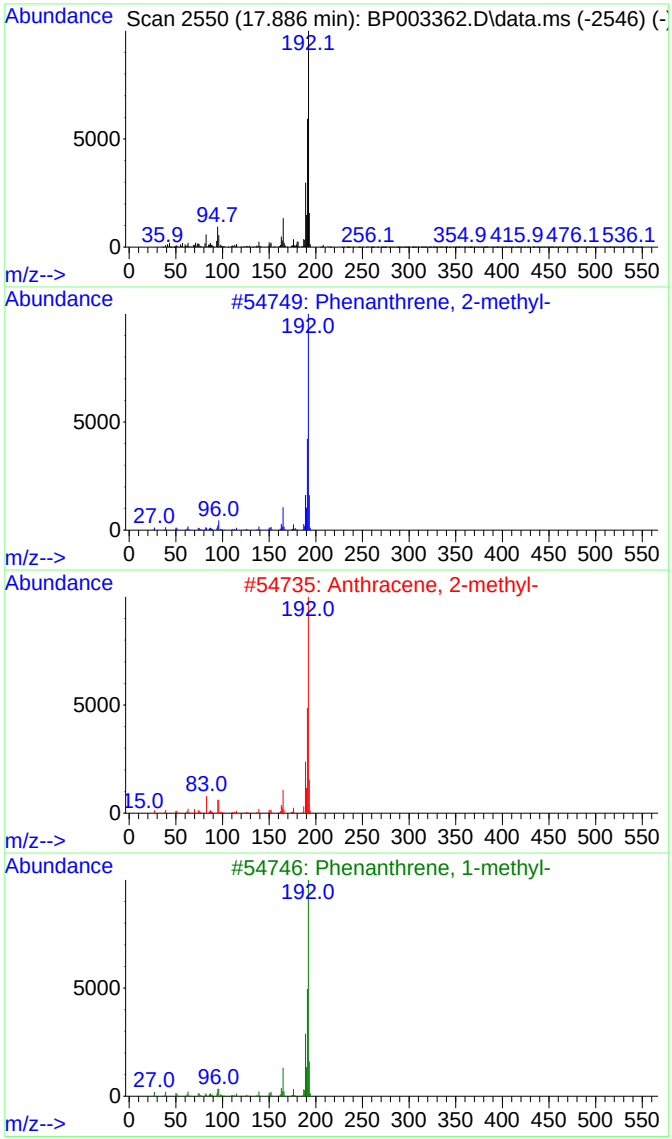
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

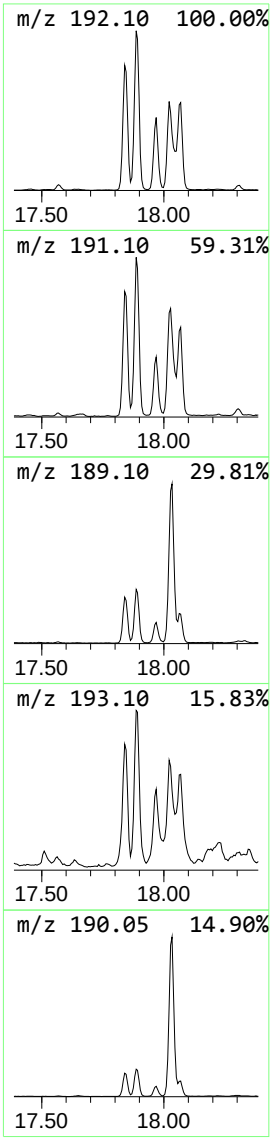
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.886	8.12 ng	851799	Phenanthrene-d10	16.969

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





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Operator : CG/JU
Sample : L3870-11 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-02-092220

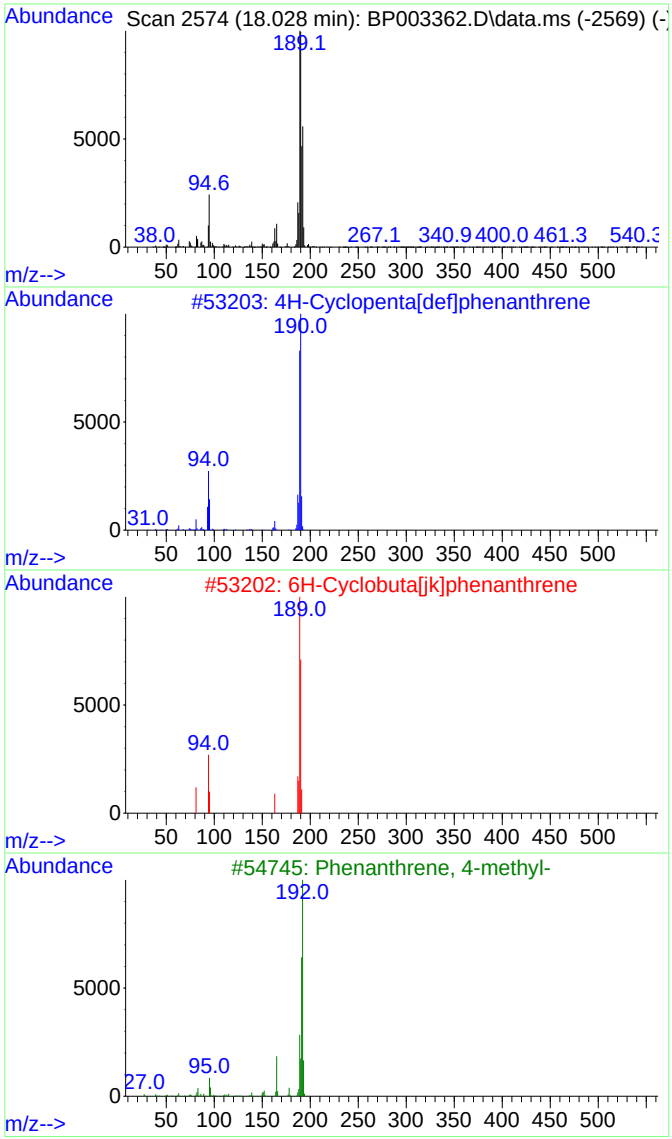
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

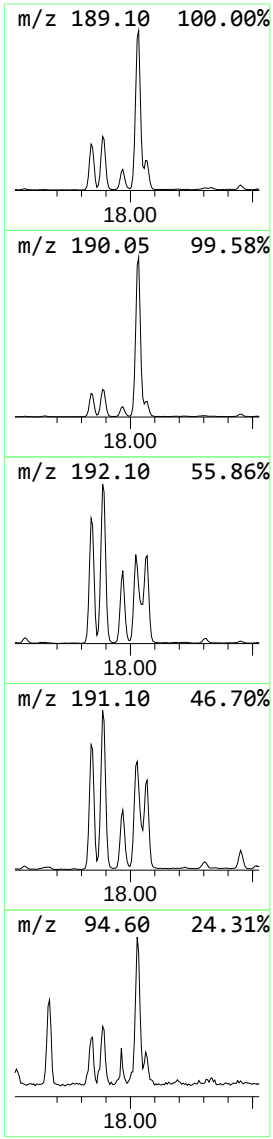
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.028	11.74 ng	1231210	Phenanthrene-d10	16.969

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	58
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	30
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25





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Acq On : 23 Sep 2020 17:47
Operator : CG/JU
Sample : L3870-11 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SU-02-092220

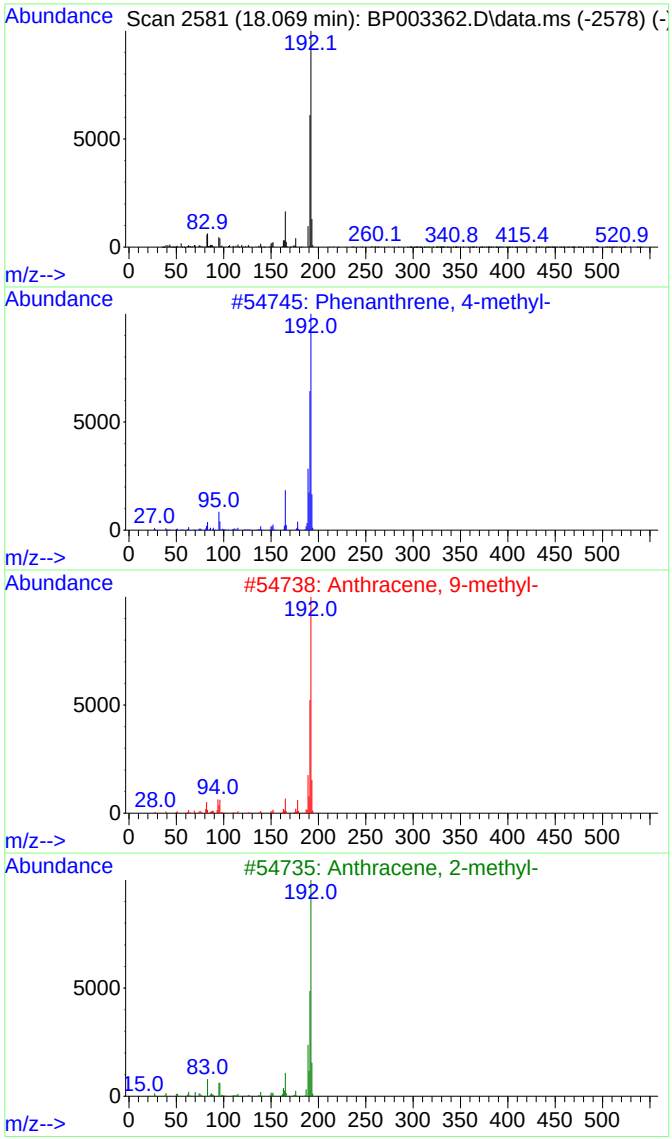
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

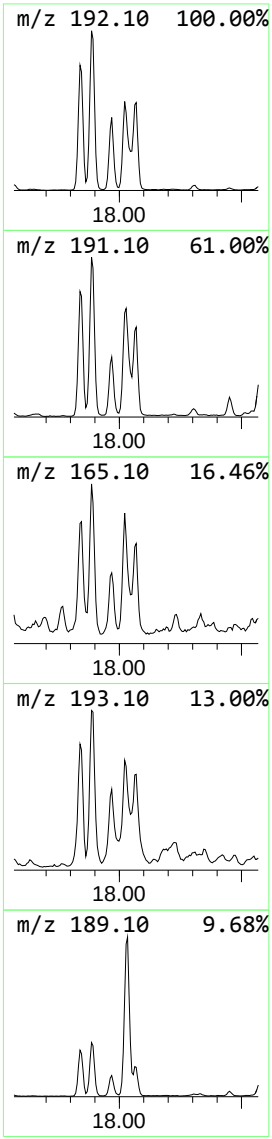
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Phenanthrene, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.069	4.21 ng	441246	Phenanthrene-d10	16.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	81
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	80





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Operator : CG/JU
Sample : L3870-11 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-02-092220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

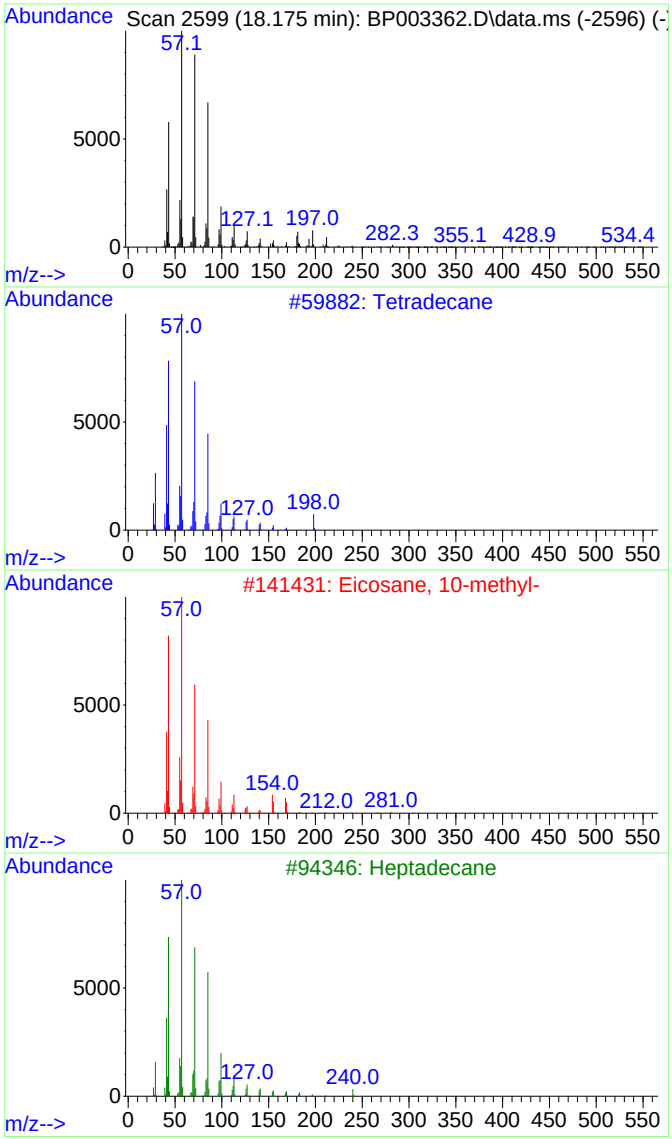
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

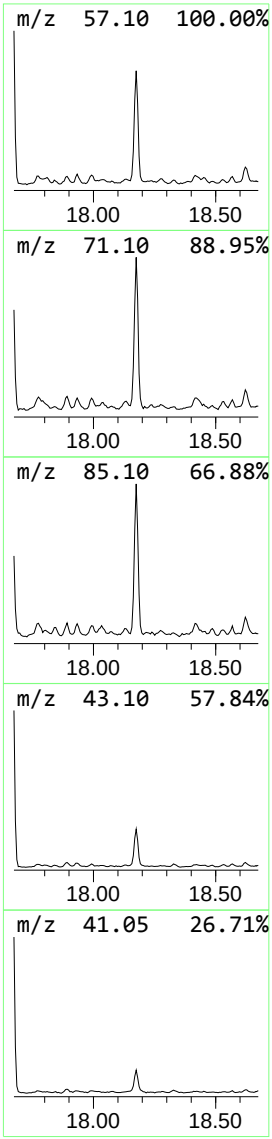
****

Peak Number 10 Tetradecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.175	3.49 ng	366500	Phenanthrene-d10	16.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	93
2	Eicosane, 10-methyl-	296	C21H44	054833-23-7	87
3	Heptadecane	240	C17H36	000629-78-7	87
4	Heptacosane	380	C27H56	000593-49-7	86
5	Octadecane	254	C18H38	000593-45-3	86





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Acq On : 23 Sep 2020 17:47
Operator : CG/JU
Sample : L3870-11 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-02-092220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

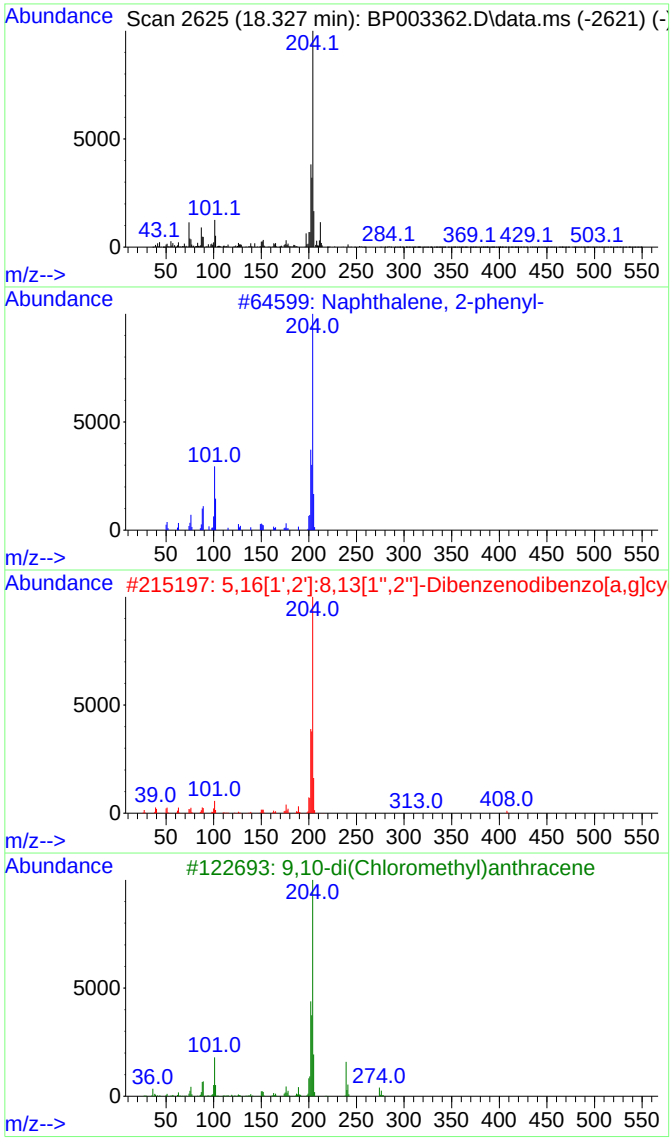
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

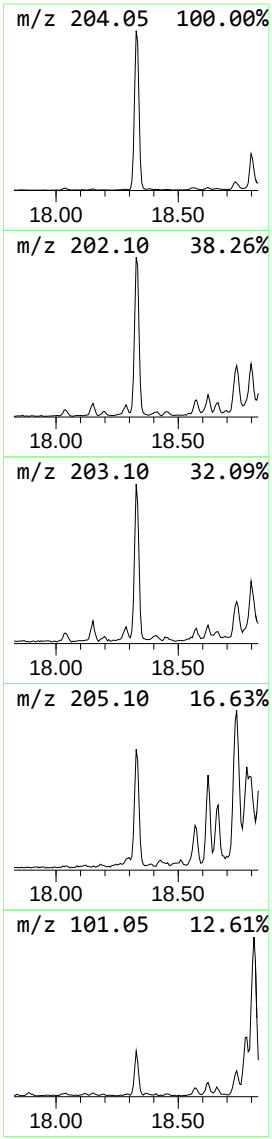
****

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.328	3.93 ng	411940	Phenanthrene-d10	16.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	80
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	50





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Acq On : 23 Sep 2020 17:47
Operator : CG/JU
Sample : L3870-11 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-02-092220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

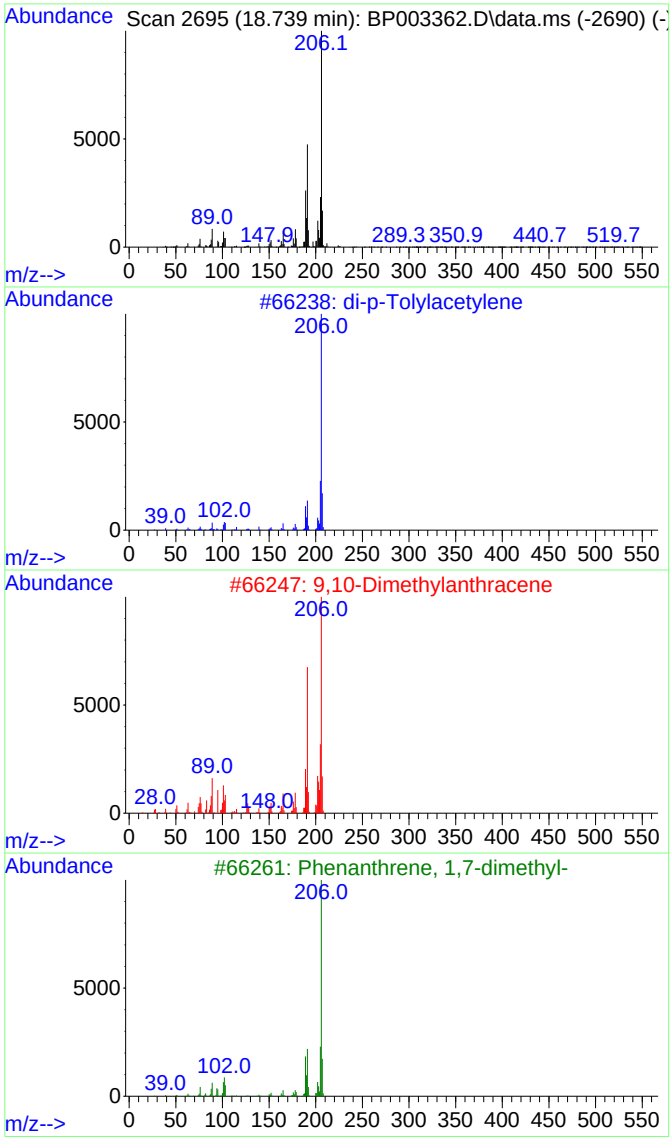
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

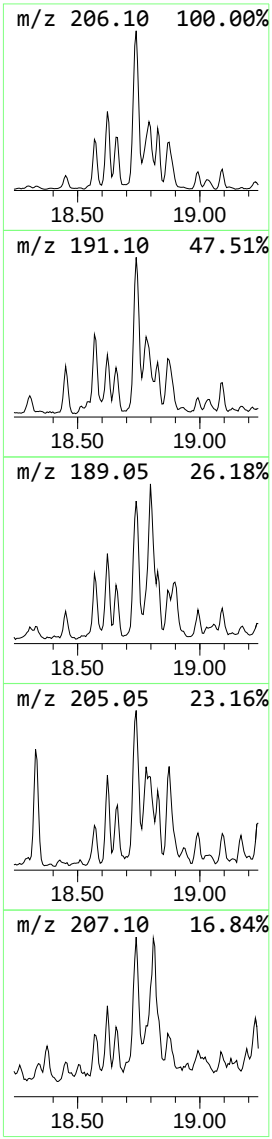
****

Peak Number 12 di-p-Tolylacetylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.739	4.54 ng	476121	Phenanthrene-d10	16.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83





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Acq On : 23 Sep 2020 17:47
Operator : CG/JU
Sample : L3870-11 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-02-092220

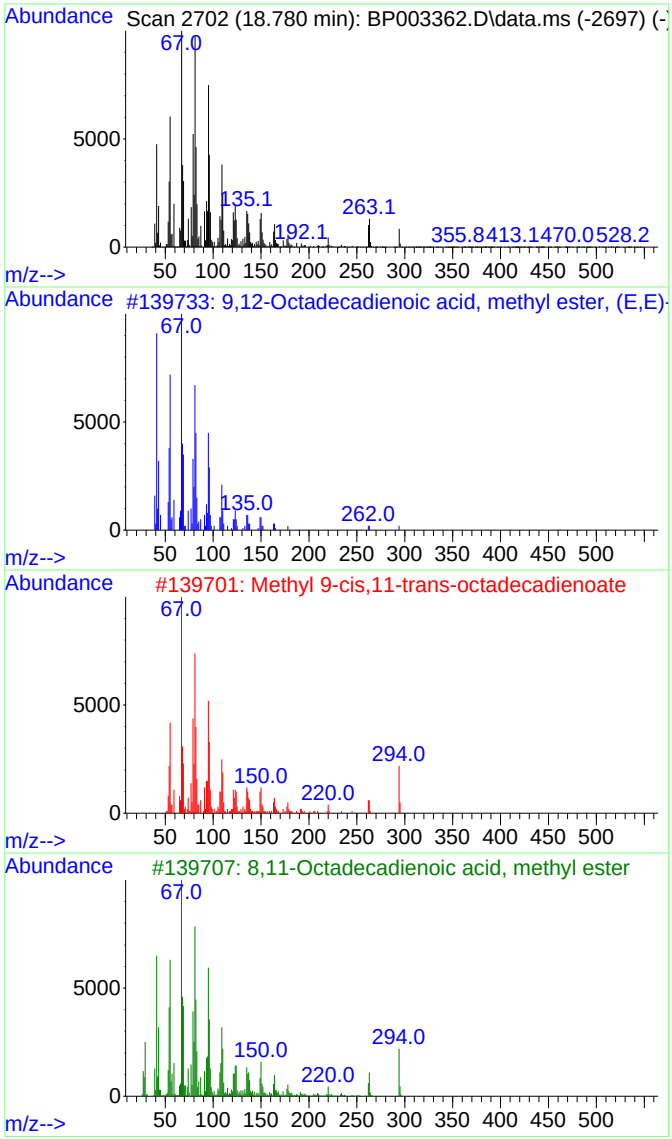
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

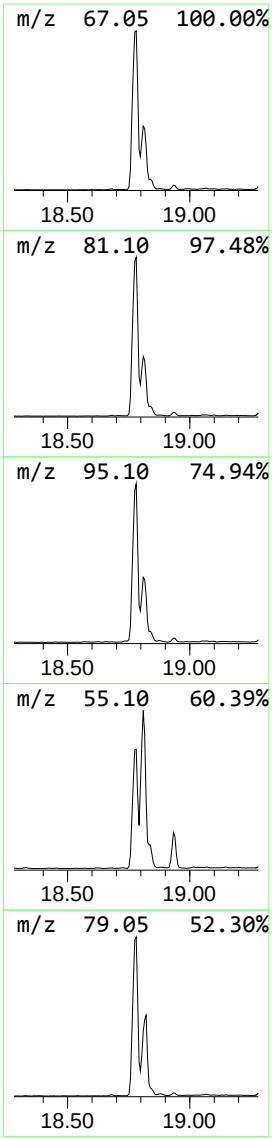
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 9,12-Octadecadienoic acid, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.780	91.80 ng	9630770	Phenanthrene-d10	16.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	99
3	8,11-Octadecadienoic acid, methy...	294	C19H34O2	056599-58-7	99
4	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
5	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99





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Acq On : 23 Sep 2020 17:47
Operator : CG/JU
Sample : L3870-11 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-02-092220

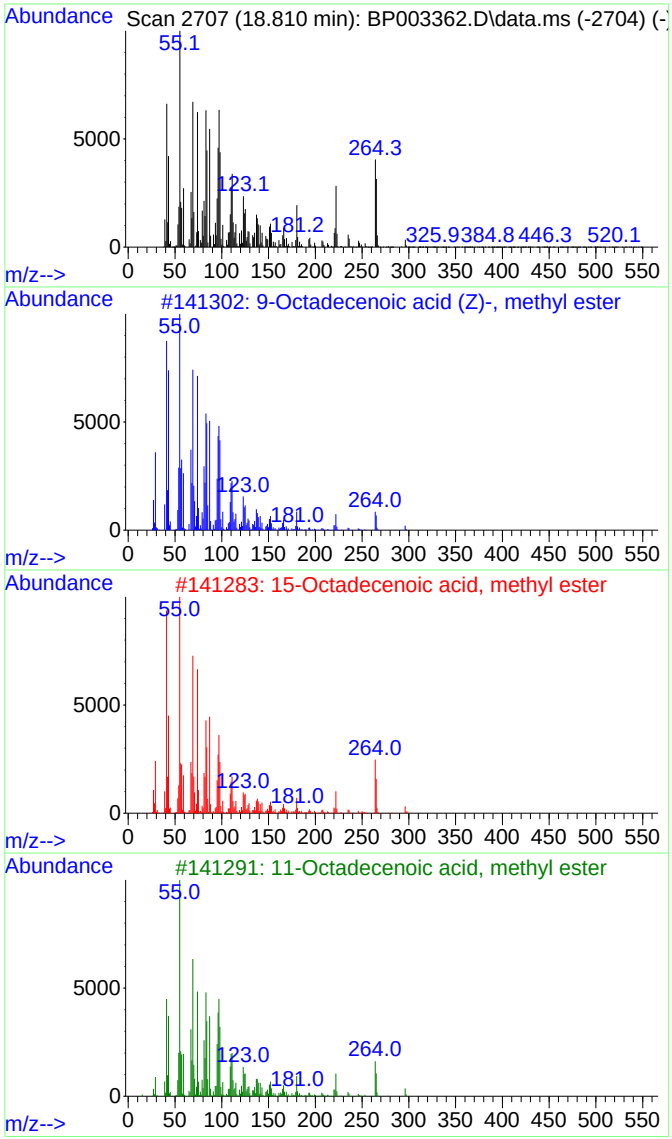
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

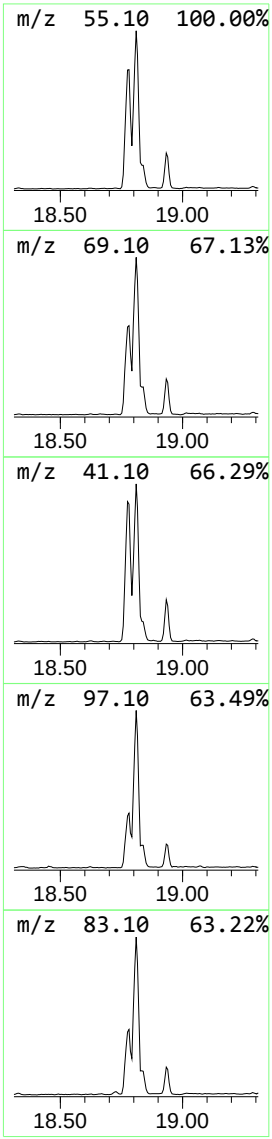
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 9-Octadecenoic acid (Z)-, m... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.810	95.74 ng	10044100	Phenanthrene-d10	16.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	98
2	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	96
3	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	95
4	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	93
5	trans-13-Octadecenoic acid, meth...	296	C19H36O2	1000333-61-3	93





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Operator : CG/JU
Sample : L3870-11 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SU-02-092220

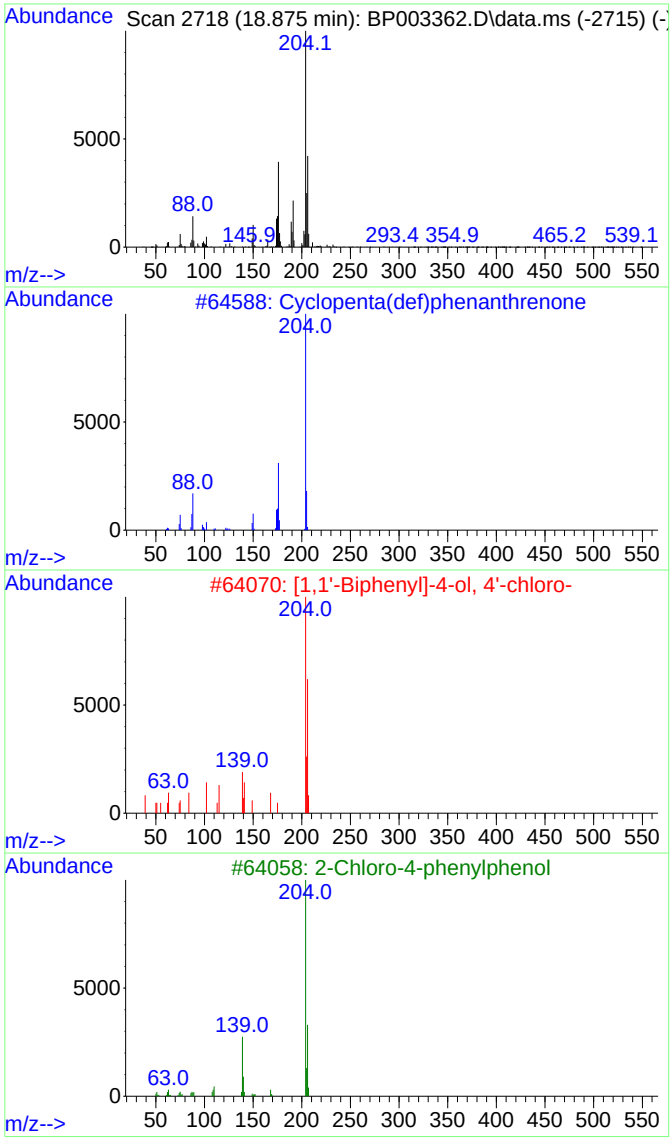
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

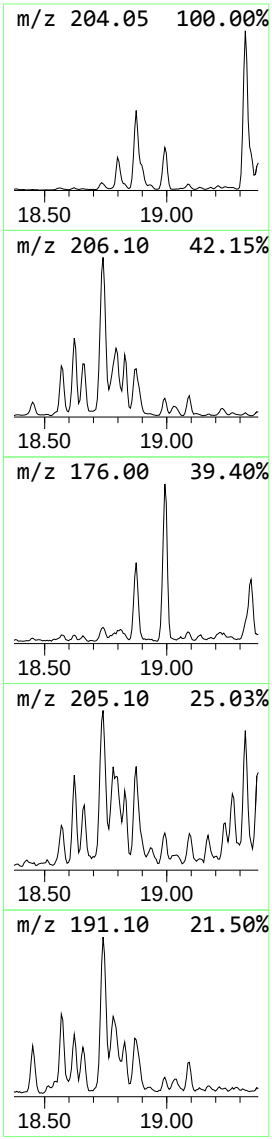
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.875	3.41 ng	357348	Phenanthrene-d10	16.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	83
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
3	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43
4	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	43
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43





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Sample : L3870-11 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-02-092220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.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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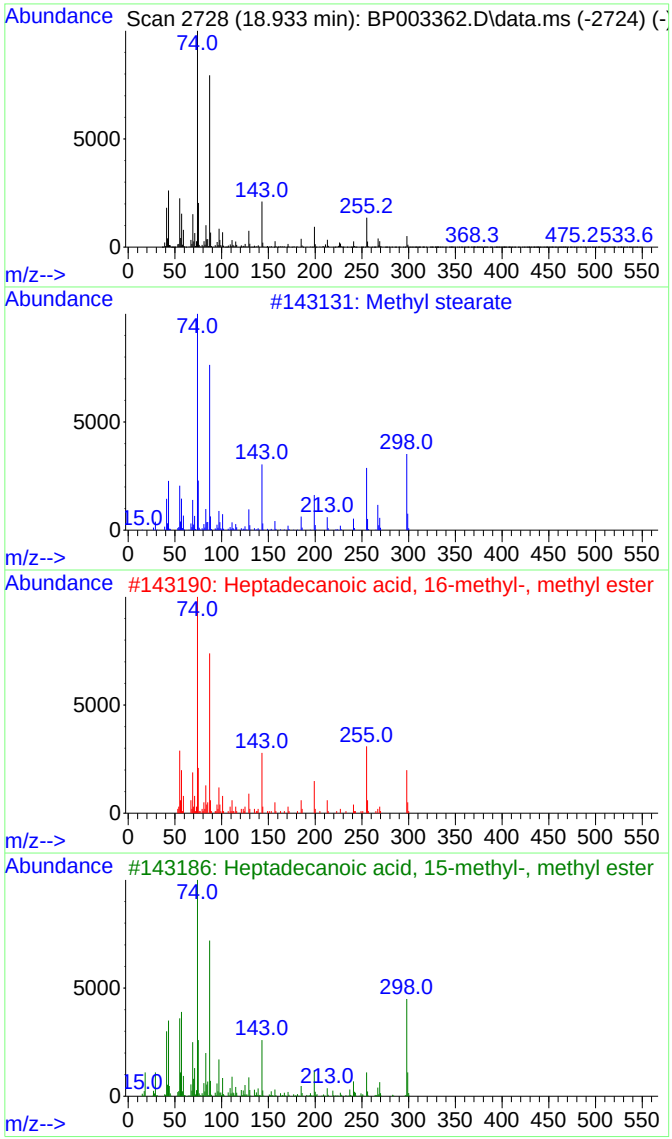
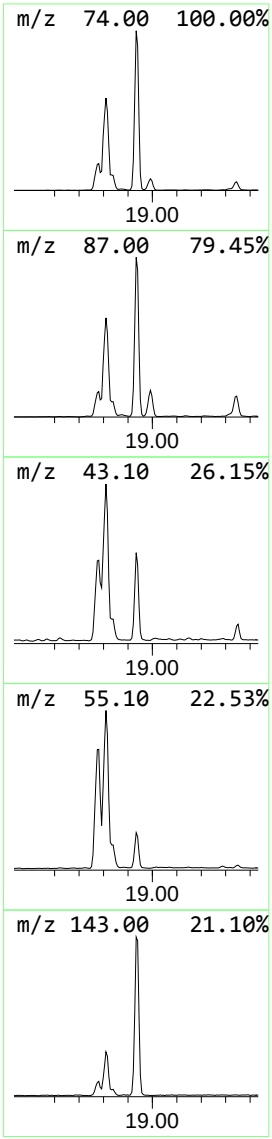
Peak Number 16 Methyl stearate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.933	21.58 ng	2263650	Phenanthrene-d10	16.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl stearate	298	C19H38O2	000112-61-8	98
2	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	90
3	Heptadecanoic acid, 15-methyl-, ...	298	C19H38O2	054833-55-5	90
4	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	87
5	Methyl tetradecanoate	242	C15H30O2	000124-10-7	86





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Data File : BP003362.D
Acq On : 23 Sep 2020 17:47
Operator : CG/JU
Sample : L3870-11 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-02-092220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

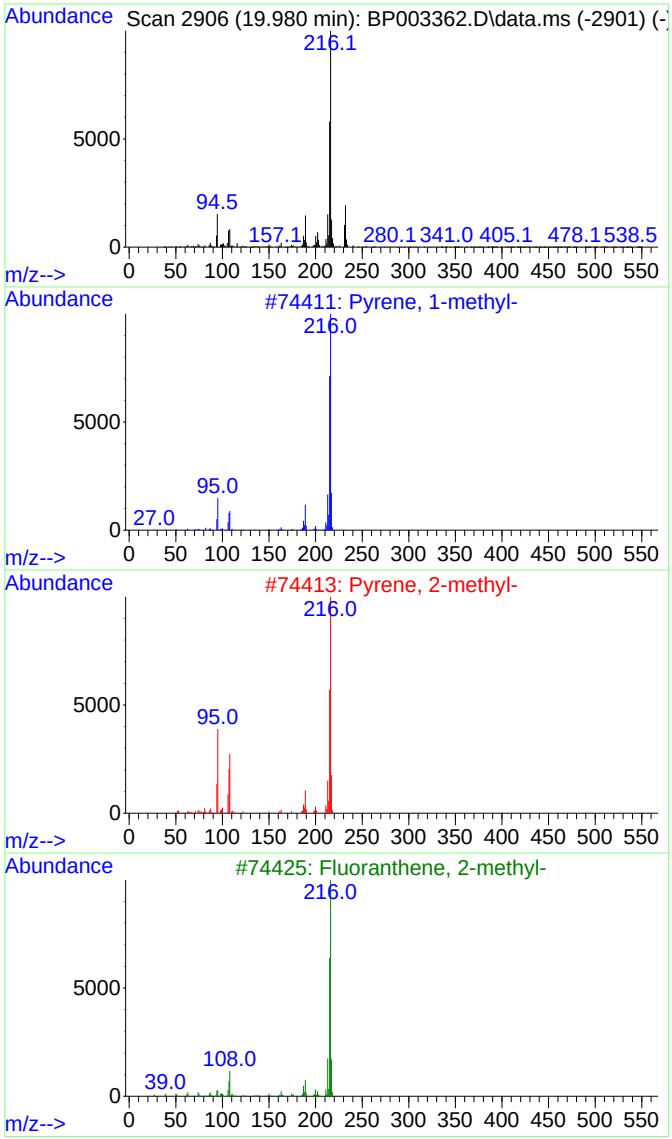
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

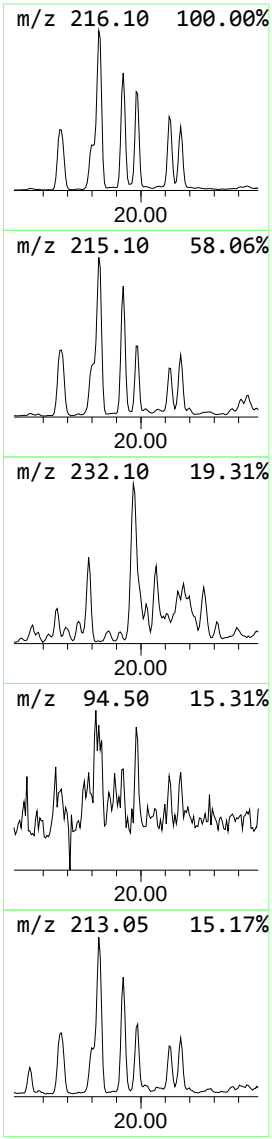
****

Peak Number 17 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.980	3.73 ng	876796	Chrysene-d12	21.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092320\
Data File : BP003362.D
Acq On : 23 Sep 2020 17:47
Operator : CG/JU
Sample : L3870-11 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-02-092220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

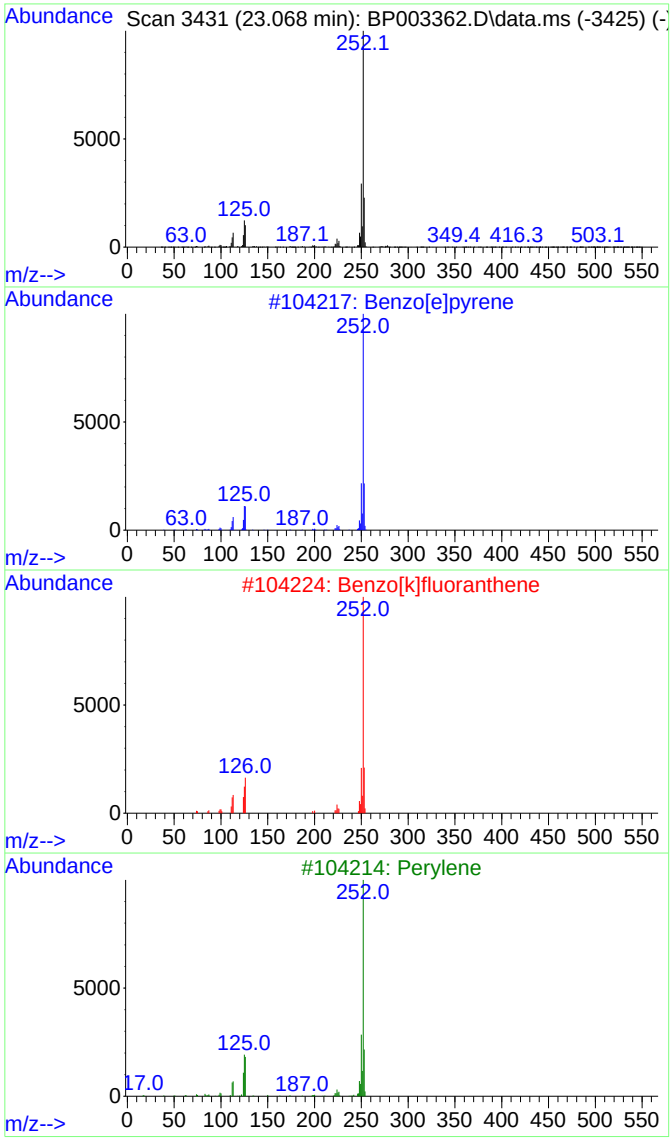
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

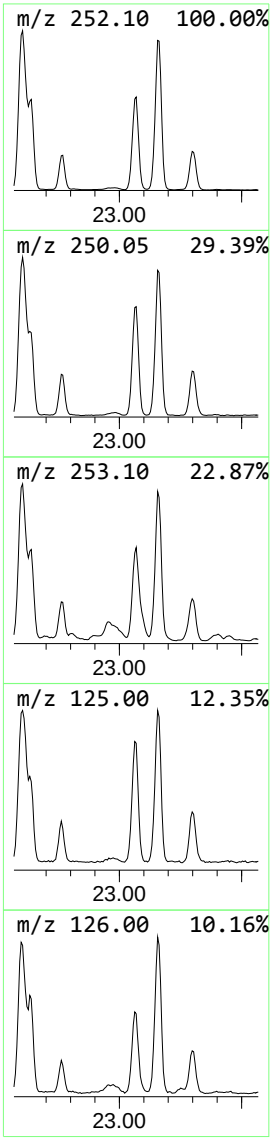
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.068	15.68 ng	1496760	Perylene-d12	23.251

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092320\
Data File : BP003362.D
Acq On : 23 Sep 2020 17:47
Operator : CG/JU
Sample : L3870-11 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SU-02-092220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.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
Dodecane, 1-iodo-	15.963	4.8	ng	504810	4	16.969	2098200	20.0
Nonadecane	16.757	3.9	ng	407844	4	16.969	2098200	20.0
Hexacosane	17.492	4.4	ng	459190	4	16.969	2098200	20.0
Dibenzothiophen...	17.539	4.4	ng	457498	4	16.969	2098200	20.0
Hexadecanoic ac...	17.669	55.0	ng	5769950	4	16.969	2098200	20.0
Anthracene, 2-m...	17.839	5.6	ng	587534	4	16.969	2098200	20.0
Phenanthrene, 2...	17.886	8.1	ng	851799	4	16.969	2098200	20.0
4H-Cyclopenta[d...	18.028	11.7	ng	1231210	4	16.969	2098200	20.0
Phenanthrene, 4...	18.069	4.2	ng	441246	4	16.969	2098200	20.0
Tetradecane	18.175	3.5	ng	366500	4	16.969	2098200	20.0
Naphthalene, 2-...	18.328	3.9	ng	411940	4	16.969	2098200	20.0
di-p-Tolylacety...	18.739	4.5	ng	476121	4	16.969	2098200	20.0
9,12-Octadecadi...	18.780	91.8	ng	9630770	4	16.969	2098200	20.0
9-Octadecenoic ...	18.810	95.7	ng	10044100	4	16.969	2098200	20.0
Cyclopenta(def)...	18.875	3.4	ng	357348	4	16.969	2098200	20.0
Methyl stearate	18.933	21.6	ng	2263650	4	16.969	2098200	20.0
Pyrene, 1-methyl-	19.980	3.7	ng	876796	5	21.063	4695260	20.0
Benzo[e]pyrene	23.068	15.7	ng	1496760	6	23.251	1908700	20.0