LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040521\
Data File : BP005185.D
Acq On : 05 Apr 2021 18:47
Operator : CG/JU
Sample : M1888-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-3D-(4-10)

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\8270E-BP032321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP005185.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.299	369	376	386	rBV	527203	733733	55.99%	3.886%
2	6.881	636	645	658	rBV	488022	767147	58.54%	4.063%
3	7.699	778	784	791	rVB	86678	132696	10.13%	0.703%
4	8.863	973	982	996	rBV	287844	477827	36.46%	2.530%
5	10.487	1251	1258	1267	rBV	103642	179108	13.67%	0.948%
6	12.969	1672	1680	1689	rBV	653841	964280	73.59%	5.106%
7	13.681	1795	1801	1805	rBV2	12382	20685	1.58%	0.110%
8	13.816	1818	1824	1832	rBV	25217	38310	2.92%	0.203%
9	14.357	1906	1916	1922	rBV	151976	230993	17.63%	1.223%
10	14.422	1922	1927	1936	rVB	45261	71154	5.43%	0.377%
11	14.669	1961	1969	1974	rBV4	12285	23006	1.76%	0.122%
12	14.757	1975	1984	1993	rBV7	9367	20763	1.58%	0.110%
13	15.410	2089	2095	2101	rBV	38111	56473	4.31%	0.299%
14	15.510	2106	2112	2113	rBV5	13362	19137	1.46%	0.101%
15	15.534	2113	2116	2120	rVV3	17797	24558	1.87%	0.130%
16	15.575	2120	2123	2128	rVB4	14932	20327	1.55%	0.108%
17	15.857	2163	2171	2178	rBV	534509	747472	57.04%	3.958%
18	15.928	2178	2183	2193	rVB7	7699	21093	1.61%	0.112%
19	16.092	2206	2211	2215	rVB4	12066	19050	1.45%	0.101%
20	16.404	2256	2264	2265	rBV3	19057	33296	2.54%	0.176%
21	16.422	2265	2267	2271	rVV2	23436	28226	2.15%	0.149%
22	16.469	2271	2275	2281	rVB3	21401	31235	2.38%	0.165%
23	16.569	2289	2292	2298	rVB4	15467	24056	1.84%	0.127%
24	16.692	2308	2313	2316	rVV3	13051	21988	1.68%	0.116%
25	16.769	2320	2326	2333	rVB3	20955	37415	2.86%	0.198%
26	16.875	2335	2344	2350	rVV5	25726	55430	4.23%	0.294%
27	16.933	2350	2354	2361	rVV	33023	53252	4.06%	0.282%
28	17.122	2380	2386	2389	rBV	186945	276803	21.12%	1.466%
29	17.163	2389	2393	2398	rVB	559122	722460	55.13%	3.826%
30	17.251	2404	2408	2414	rVB	81834	107049	8.17%	0.567%
31	17.310	2414	2418	2423	rVB5	10058	18095	1.38%	0.096%
32	17.645	2471	2475	2478	rVB	18185	20898	1.59%	0.111%
33	17.704	2478	2485	2490	rBV	53028	78227	5.97%	0.414%
34	17.845	2504	2509	2516	rVB2	29822	53868	4.11%	0.285%
35	17.916	2517	2521	2524	rBV2	15542	20774	1.59%	0.110%
36	17.992	2528	2534	2537	rVV	218390	321624	24.54%	1.703%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040521\
Data File : BP005185.D
Acq On : 05 Apr 2021 18:47
Operator : CG/JU
Sample : M1888-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-3D-(4-10)

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\8270E-BP032321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.039	2537	2542	2548	rVV	284298	491167	37.48%	2.601%
38	18.116	2549	2555	2559	rVV	53568	80876	6.17%	0.428%
39	18.175	2560	2565	2569	rVV2	229226	393636	30.04%	2.085%
40	18.216	2569	2572	2580	rVB	171677	225092	17.18%	1.192%
41	18.298	2581	2586	2589	rBV6	11824	19989	1.53%	0.106%
42	18.375	2596	2599	2604	rBV2	25758	35114	2.68%	0.186%
43	18.480	2612	2617	2620	rVV	101217	139714	10.66%	0.740%
44	18.522	2620	2624	2633	rVB2	122722	186621	14.24%	0.988%
45	18.598	2633	2637	2643	rBV	45808	68904	5.26%	0.365%
46	18.686	2649	2652	2653	rBV3	18752	18378	1.40%	0.097%
47	18.716	2654	2657	2662	rVV	92242	115474	8.81%	0.612%
48	18.769	2662	2666	2669	rVV	62794	77051	5.88%	0.408%
49	18.804	2669	2672	2678	rVB	45951	60889	4.65%	0.322%
50	18.886	2681	2686	2690	rBV	158962	242190	18.48%	1.283%
51	18.945	2690	2696	2699	rVV2	72273	152438	11.63%	0.807%
52	18.975	2699	2701	2704	rVB	47958	50309	3.84%	0.266%
53	19.022	2704	2709	2716	rBV3	89886	181661	13.86%	0.962%
54	19.139	2721	2729	2736	rVV	501323	671585	51.25%	3.556%
55	19.204	2736	2740	2743	rVV	30637	40430	3.09%	0.214%
56	19.257	2743	2749	2756	rVV5	65989	127478	9.73%	0.675%
57	19.333	2756	2762	2766	rVB4	55765	77756	5.93%	0.412%
58	19.380	2766	2770	2773	rBV3	40764	52857	4.03%	0.280%
59	19.410	2773	2775	2780	rVB	34808	39278	3.00%	0.208%
60	19.498	2780	2790	2796	rBV	741408	1200233	91.59%	6.356%
61	19.563	2796	2801	2808	rVB5	60083	135670	10.35%	0.718%
62	19.692	2818	2823	2828	rBV	1091601	1310402	100.00%	6.939%
63	19.816	2838	2844	2854	rBV2	101090	243794	18.60%	1.291%
64	19.892	2854	2857	2861	rVV4	27198	39611	3.02%	0.210%
65	19.951	2861	2867	2868	rVV3	78394	137276	10.48%	0.727%
66	19.974	2868	2871	2876	rVB	151668	206454	15.76%	1.093%
67	20.074	2884	2888	2893	rVB2	96591	117012	8.93%	0.620%
68	20.133	2893	2898	2901	rBV	164511	217788	16.62%	1.153%
69	20.169	2901	2904	2909	rVB2	58624	72389	5.52%	0.383%
70	20.210	2909	2911	2916	rVB4	27062	31787	2.43%	0.168%
71	20.269	2917	2921	2925	rBV	124299	156286	11.93%	0.828%
72	20.310	2925	2928	2932	rVB	119658	144806	11.05%	0.767%
73	20.345	2932	2934	2942	rVB7	16117	21807	1.66%	0.115%
74	20.427	2945	2948	2953	rVB6	23953	37363	2.85%	0.198%
75	20.516	2960	2963	2965	rBV4	17689	21827	1.67%	0.116%
76	20.551	2966	2969	2972	rBV5	22962	35164	2.68%	0.186%

LSC Area Percent Report

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Acq On : 05 Apr 2021 18:47
Operator : CG/JU
Sample : M1888-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-3D-(4-10)

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

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Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP032321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.621	2979	2981	2985	rVB2	33497	37987	2.90%	0.201%
78	20.710	2987	2996	3002	rVV2	82282	163309	12.46%	0.865%
79	20.792	3008	3010	3015	rVB3	24438	30493	2.33%	0.161%
80	20.869	3016	3023	3027	rBV3	105292	204952	15.64%	1.085%
81	20.910	3027	3030	3032	rBV	88539	97899	7.47%	0.518%
82	20.998	3041	3045	3051	rVB2	75039	104327	7.96%	0.552%
83	21.104	3061	3063	3070	rVB3	26517	34942	2.67%	0.185%
84	21.204	3075	3080	3086	rBV2	488840	1025605	78.27%	5.431%
85	21.257	3086	3089	3094	rVV	441795	530729	40.50%	2.811%
86	21.333	3098	3102	3105	rBV2	50519	66054	5.04%	0.350%
87	21.369	3105	3108	3113	rVV2	47841	66308	5.06%	0.351%
88	21.574	3140	3143	3147	rBV2	34223	41220	3.15%	0.218%
89	21.710	3163	3166	3169	rBV2	41431	51960	3.97%	0.275%
90	21.768	3169	3176	3181	rVV	154632	261781	19.98%	1.386%
91	21.821	3181	3185	3190	rVB	89805	119943	9.15%	0.635%
92	21.886	3193	3196	3199	rVV2	29820	37095	2.83%	0.196%
93	21.968	3206	3210	3213	rBV2	54735	77509	5.91%	0.410%
94	22.068	3223	3227	3232	rVB4	40975	64379	4.91%	0.341%
95	22.810	3347	3353	3365	rVB2	161605	479108	36.56%	2.537%
96	23.304	3431	3437	3444	rVB	140444	255233	19.48%	1.352%
97	23.398	3447	3453	3460	rVB	189402	346981	26.48%	1.837%
98	23.504	3465	3471	3476	rVV2	178670	362187	27.64%	1.918%
99	23.551	3476	3479	3488	rVB3	42437	93937	7.17%	0.497%
100	25.839	3861	3868	3878	rVB	61083	178387	13.61%	0.945%

Sum of corrected areas: 18883389

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040521\
Data File : BP005185.D
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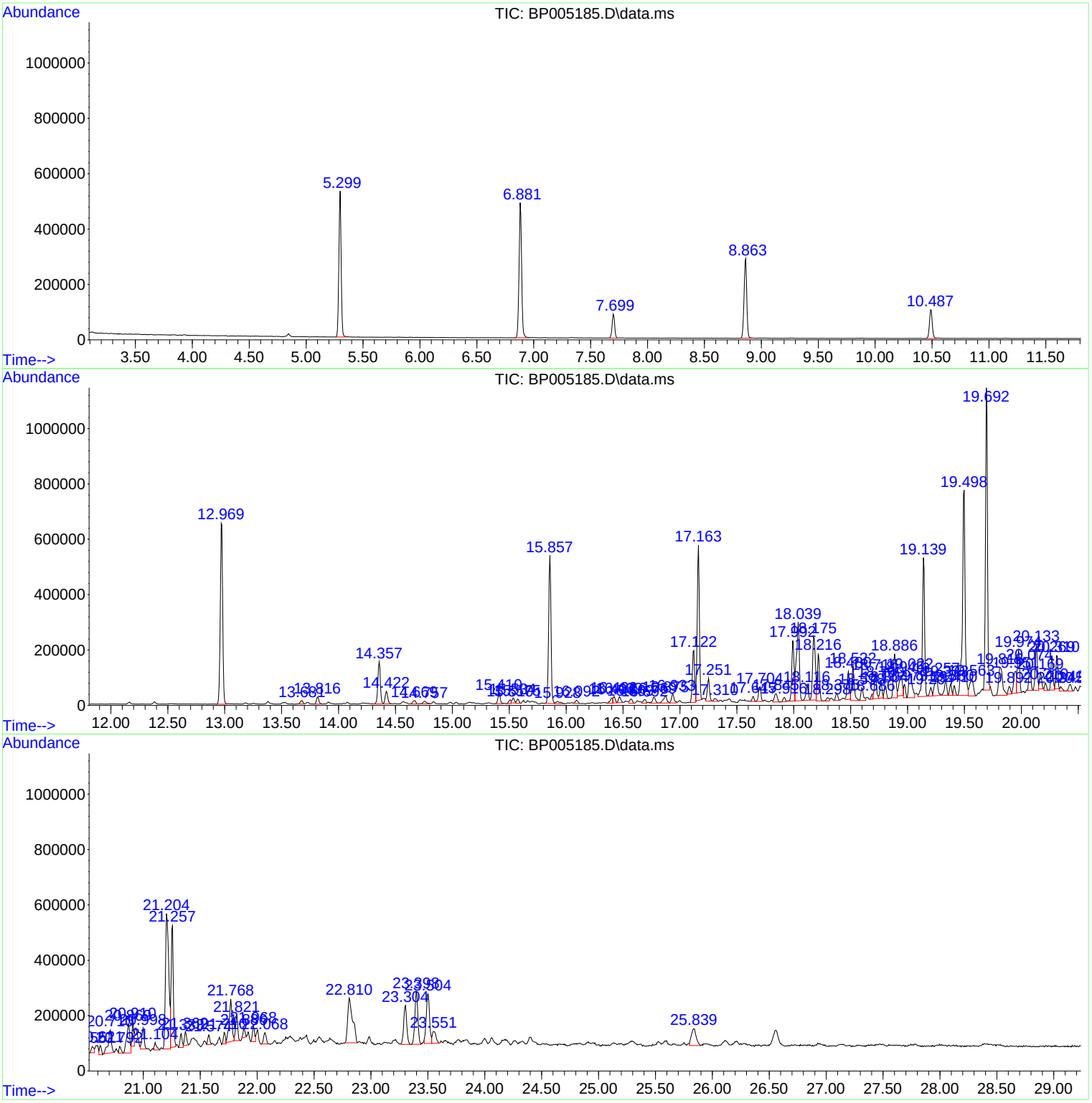
Operator : CG/JU
Sample : M1888-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3D-(4-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP032321.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\BP040521\
Data File : BP005185.D
Acq On : 05 Apr 2021 18:47
Operator : CG/JU
Sample : M1888-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-3D-(4-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

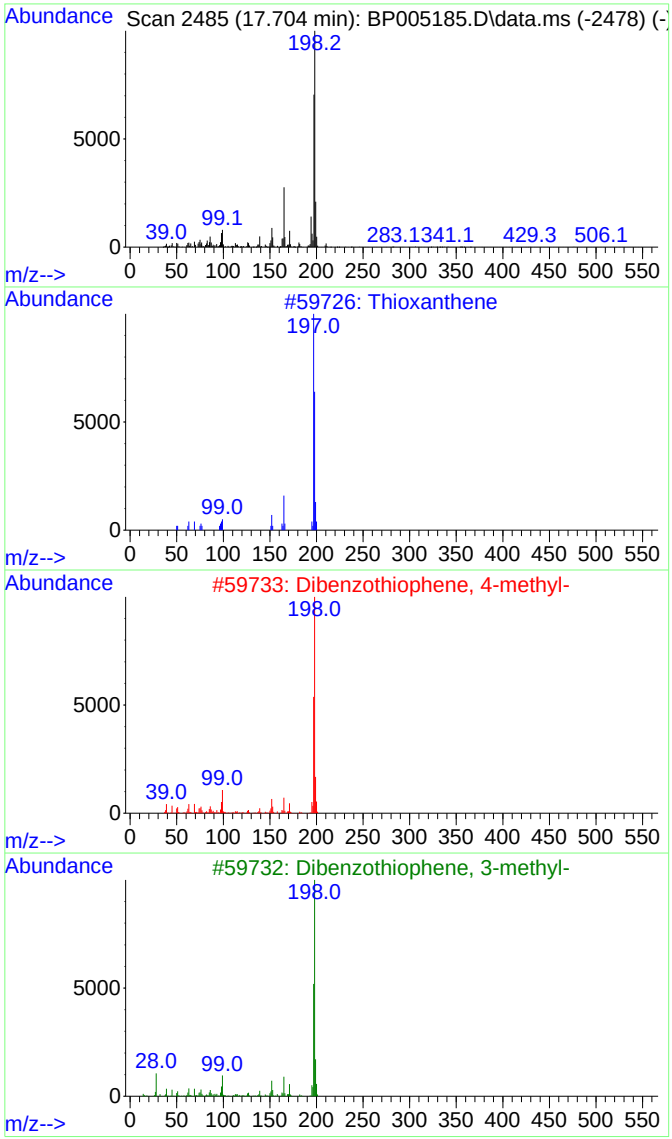
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

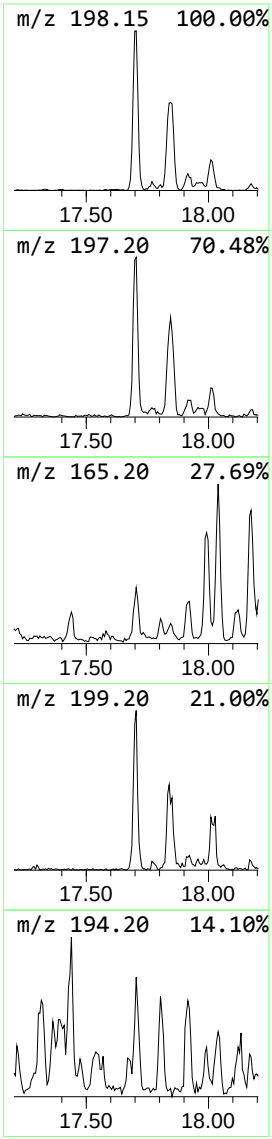
****

Peak Number 1 Thioxanthene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.704	5.65 ng	78227	Phenanthrene-d10	17.122

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thioxanthene	198	C13H10S	000261-31-4	86
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	81
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	76
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64
5	Benzene, 1-fluoro-3-(2-phenyleth...	198	C14H11F	003041-81-4	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040521\
Data File : BP005185.D
Acq On : 05 Apr 2021 18:47
Operator : CG/JU
Sample : M1888-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3D-(4-10)

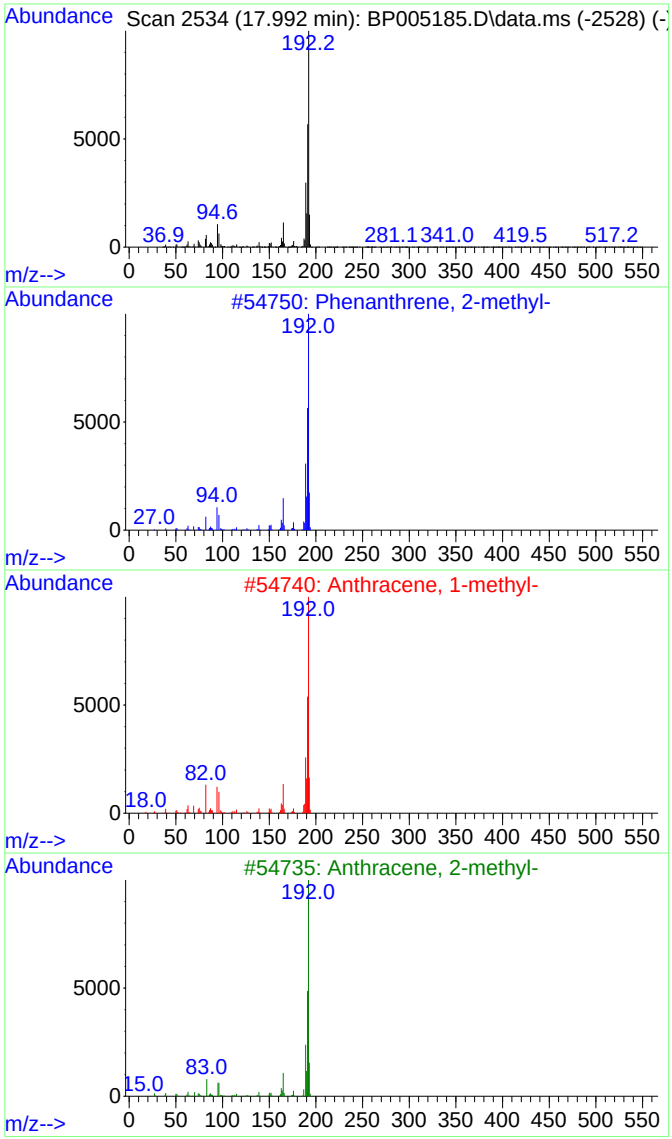
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

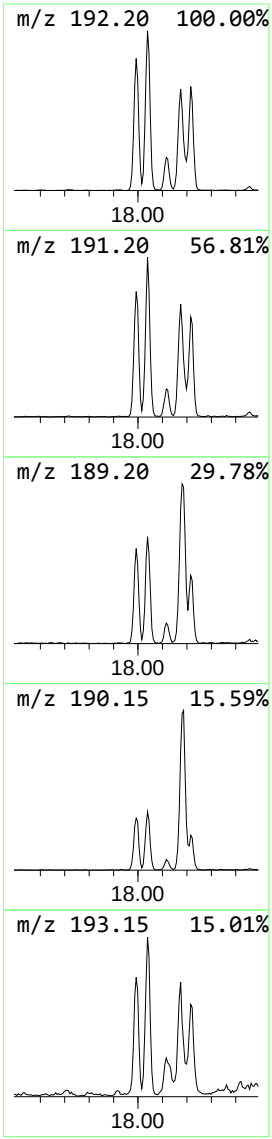
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.992	23.24 ng	321624	Phenanthrene-d10	17.122

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040521\
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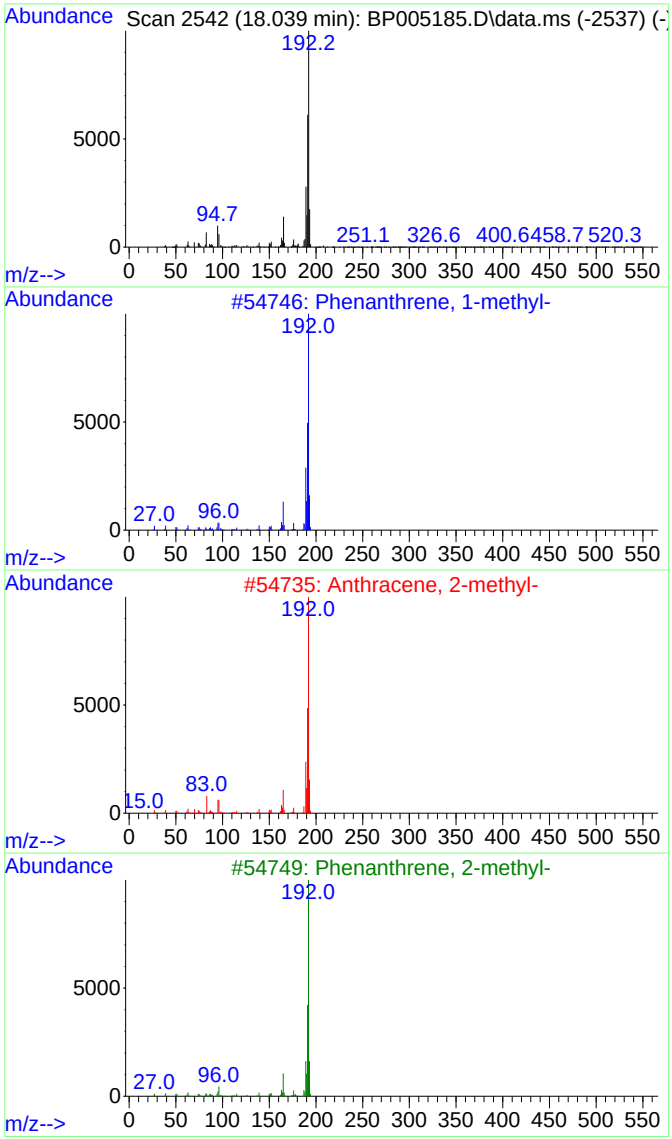
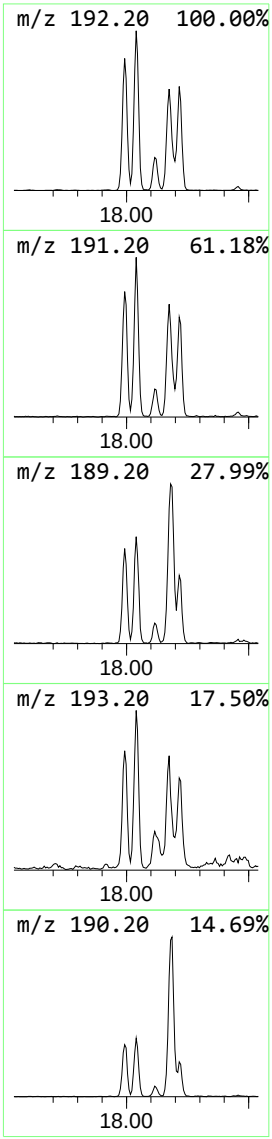
****
Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.039	35.49 ng	491167	Phenanthrene-d10	17.122

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	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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Sample : M1888-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3D-(4-10)

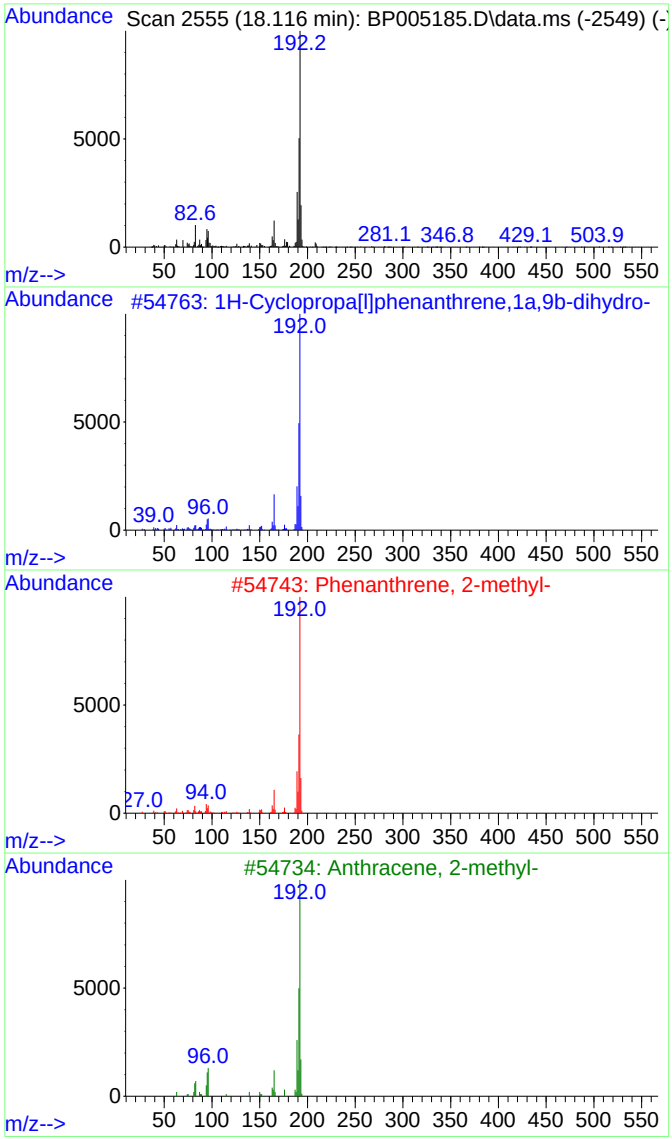
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

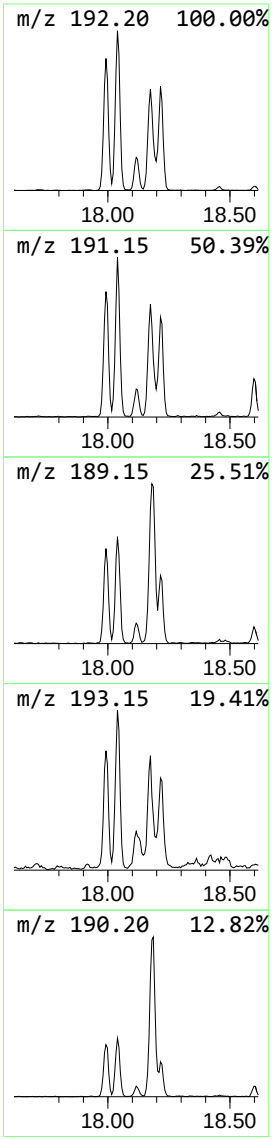
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 1H-Cyclopropa[l]phenanthren... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.116	5.84 ng	80876	Phenanthrene-d10	17.122

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040521\
Data File : BP005185.D
Acq On : 05 Apr 2021 18:47
Operator : CG/JU
Sample : M1888-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-3D-(4-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

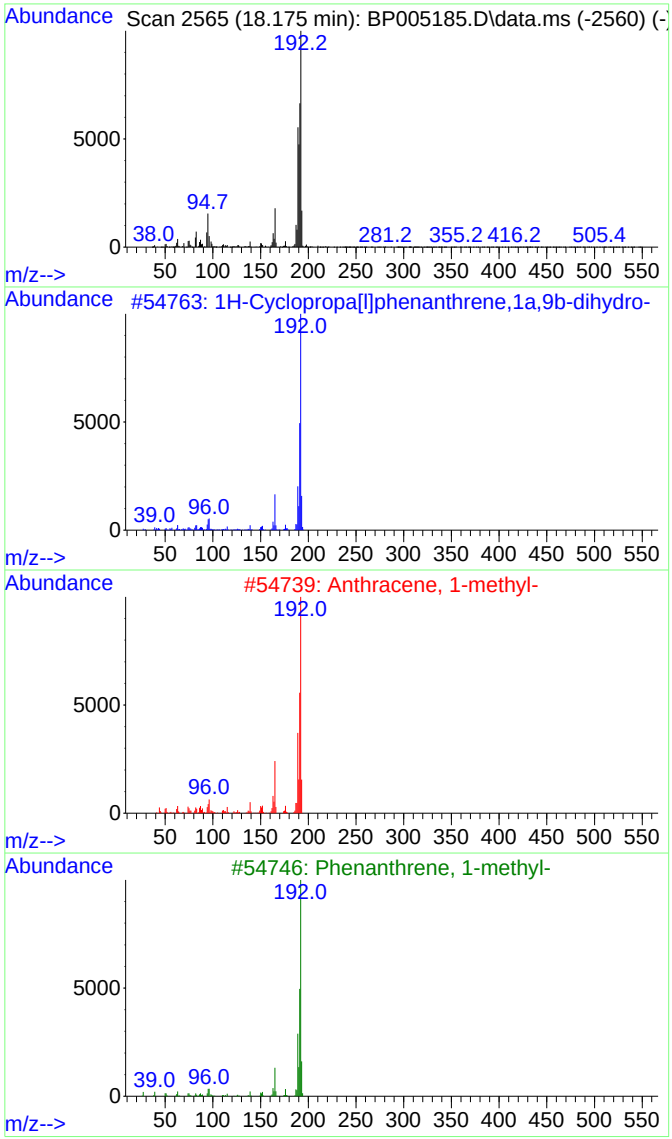
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

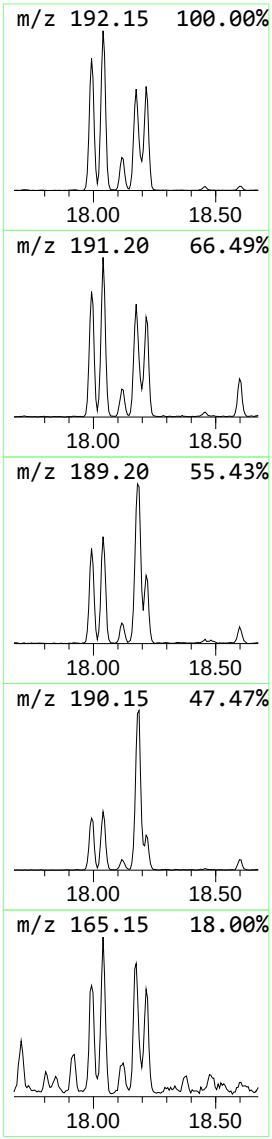
****

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.175	28.44 ng	393636	Phenanthrene-d10	17.122

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	64
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	60
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	60
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	60





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Data File : BP005185.D
Acq On : 05 Apr 2021 18:47
Operator : CG/JU
Sample : M1888-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3D-(4-10)

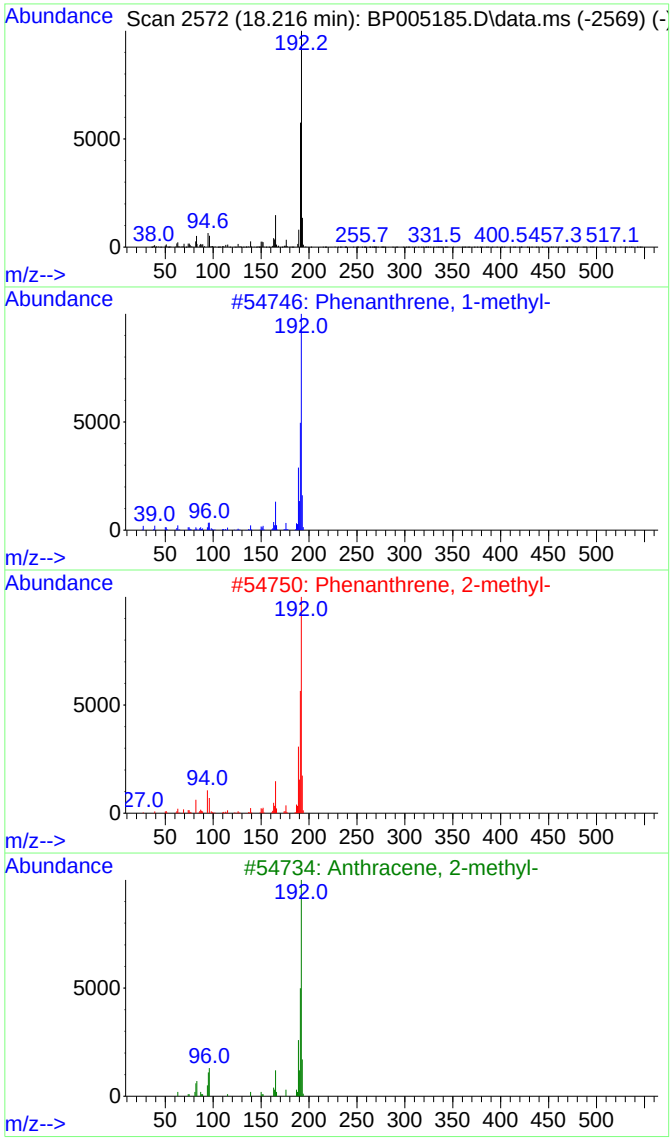
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

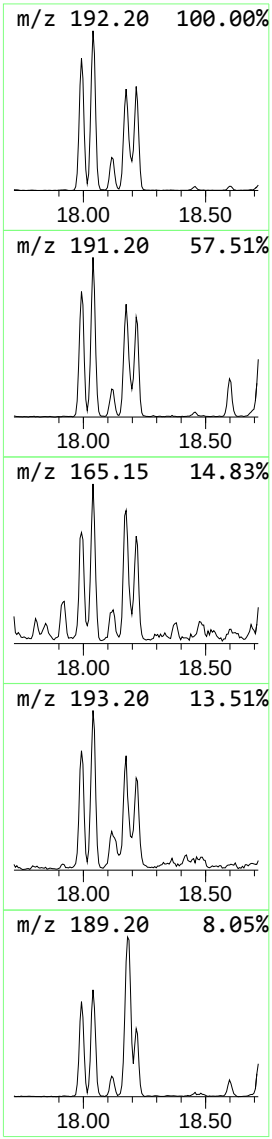
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.216	16.26 ng	225092	Phenanthrene-d10	17.122

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90





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Acq On : 05 Apr 2021 18:47
Operator : CG/JU
Sample : M1888-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3D-(4-10)

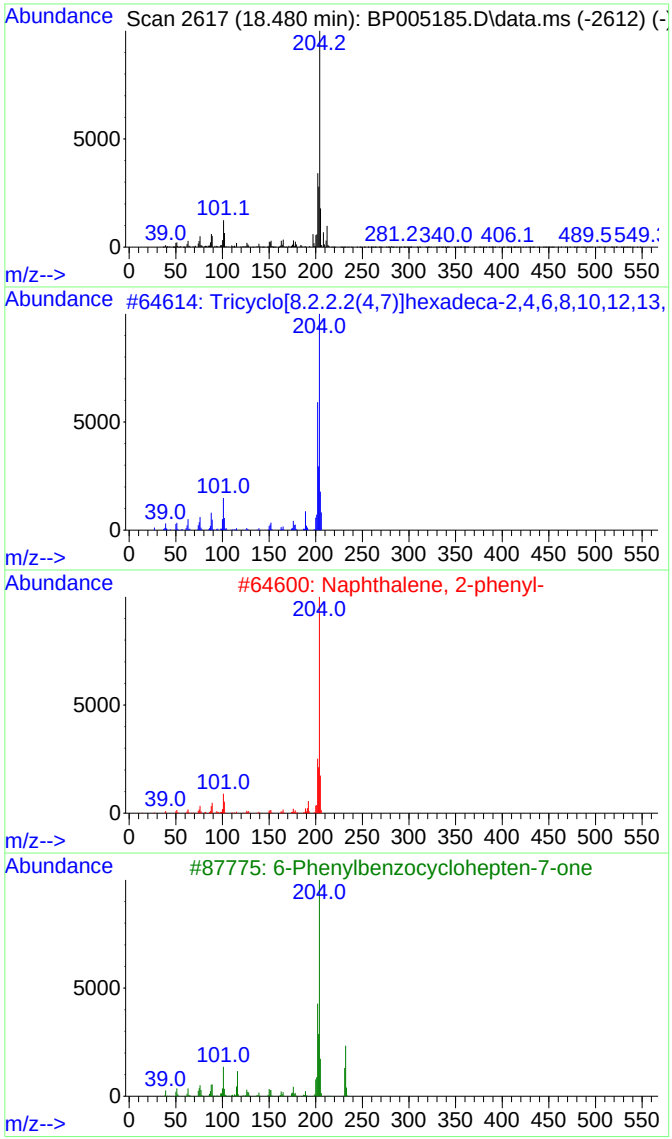
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

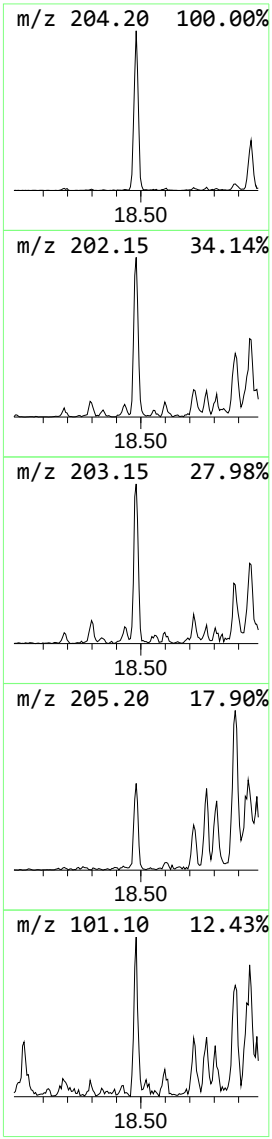
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.480	10.09 ng	139714	Phenanthrene-d10	17.122

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	89
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64





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Acq On : 05 Apr 2021 18:47
Operator : CG/JU
Sample : M1888-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3D-(4-10)

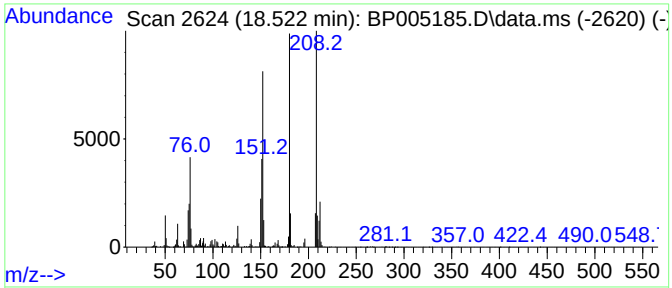
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

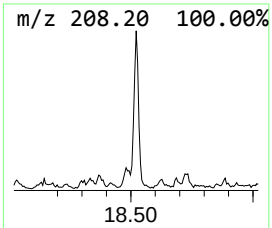
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

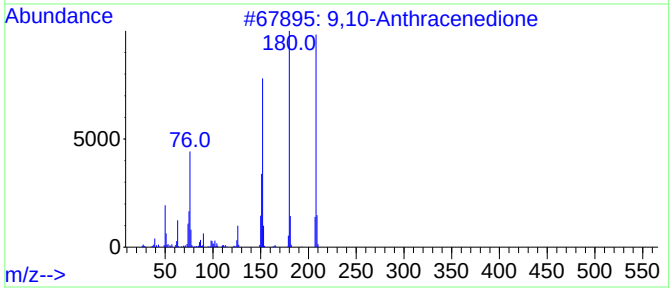
****
Peak Number 8 9,10-Anthracenedione Concentration Rank 7

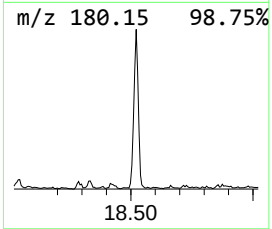
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.522	13.48 ng	186621	Phenanthrene-d10	17.122

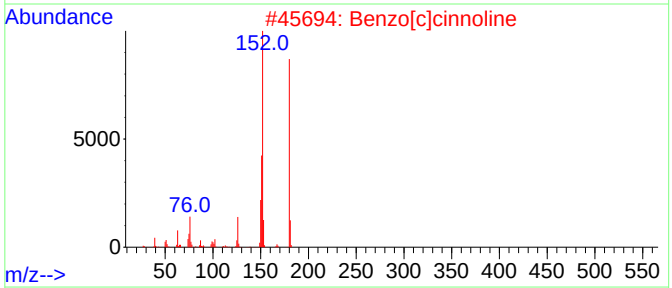
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	60
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	49
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	46

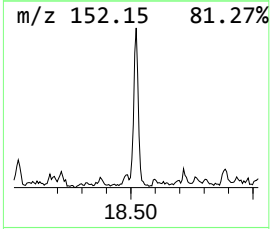


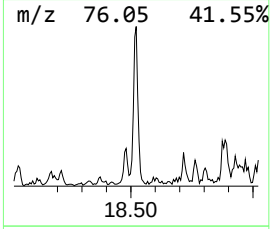


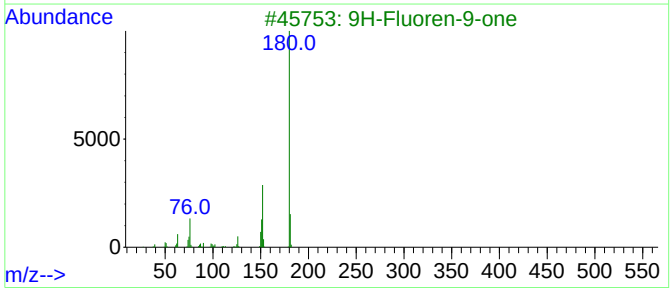


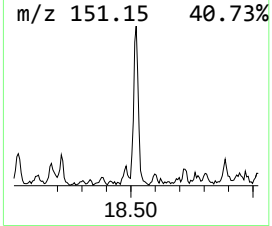












Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040521\
Data File : BP005185.D
Acq On : 05 Apr 2021 18:47
Operator : CG/JU
Sample : M1888-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3D-(4-10)

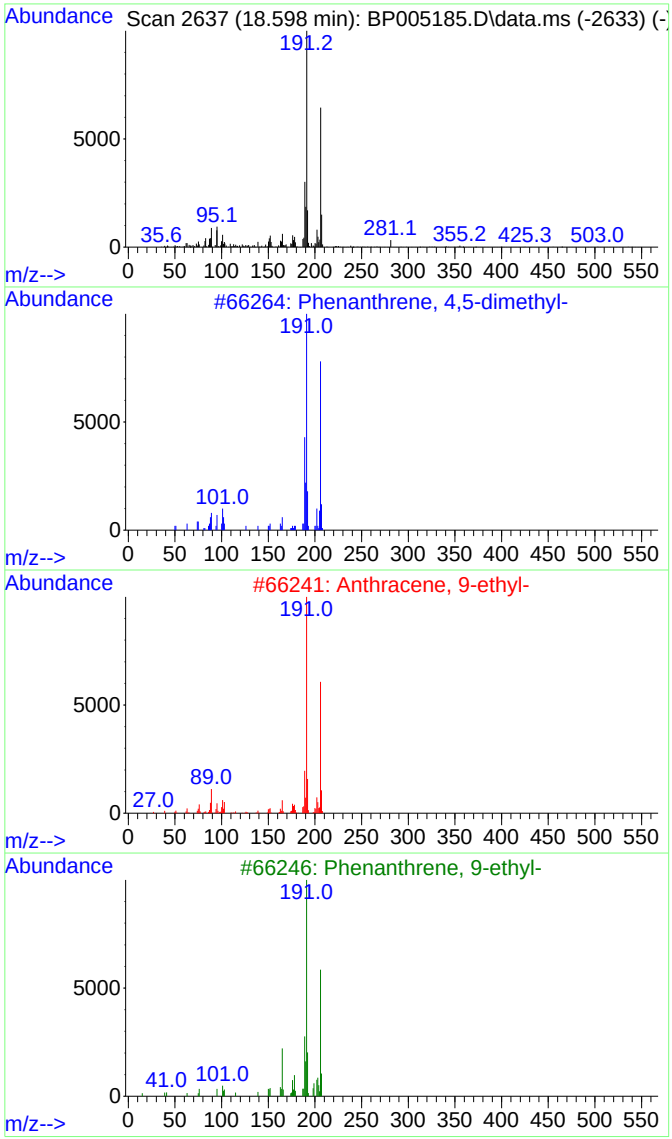
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

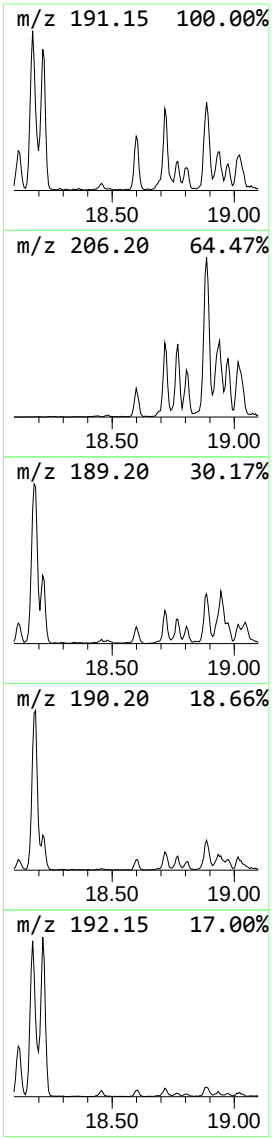
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Phenanthrene, 4,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.598	4.98 ng	68904	Phenanthrene-d10	17.122

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
2	Anthracene, 9-ethyl-	206	C16H14	000605-83-4	93
3	Phenanthrene, 9-ethyl-	206	C16H14	003674-75-7	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90





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Data File : BP005185.D
Acq On : 05 Apr 2021 18:47
Operator : CG/JU
Sample : M1888-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3D-(4-10)

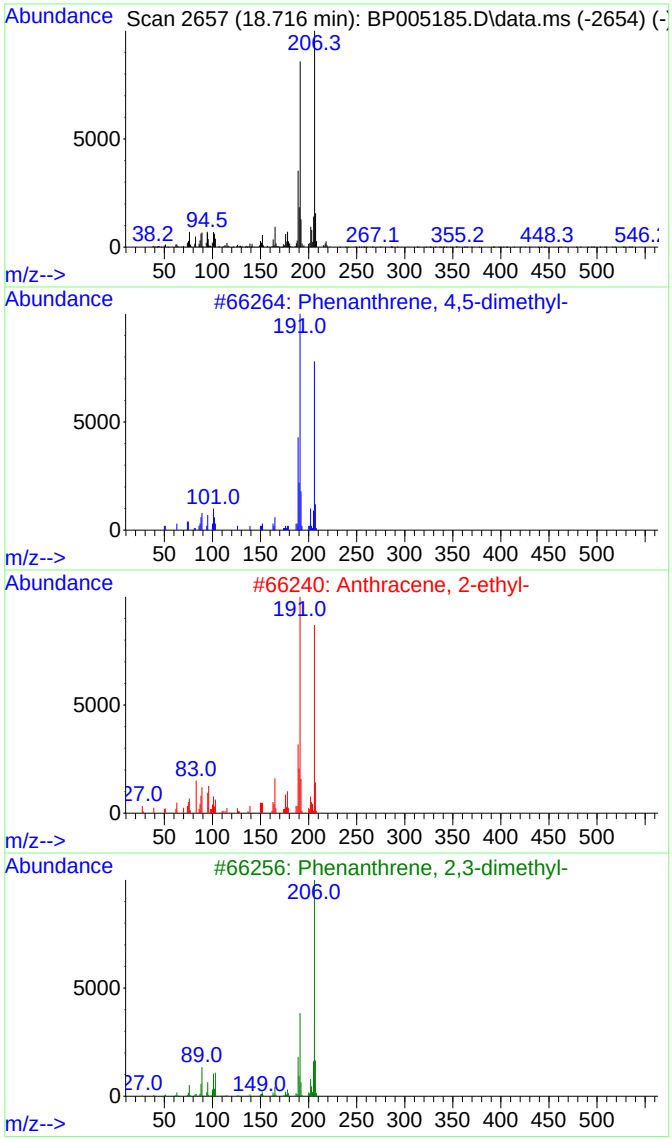
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

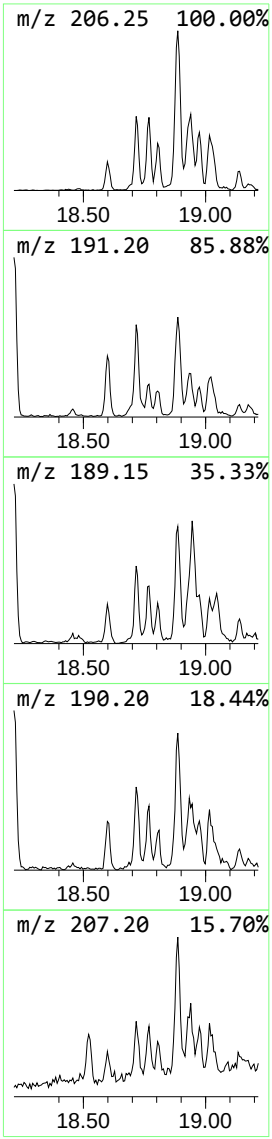
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Anthracene, 2-ethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.716	8.34 ng	115474	Phenanthrene-d10	17.122

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	96
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	Phenanthrene, 9,10-dimethyl-	206	C16H14	000604-83-1	87
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87





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Data File : BP005185.D
Acq On : 05 Apr 2021 18:47
Operator : CG/JU
Sample : M1888-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3D-(4-10)

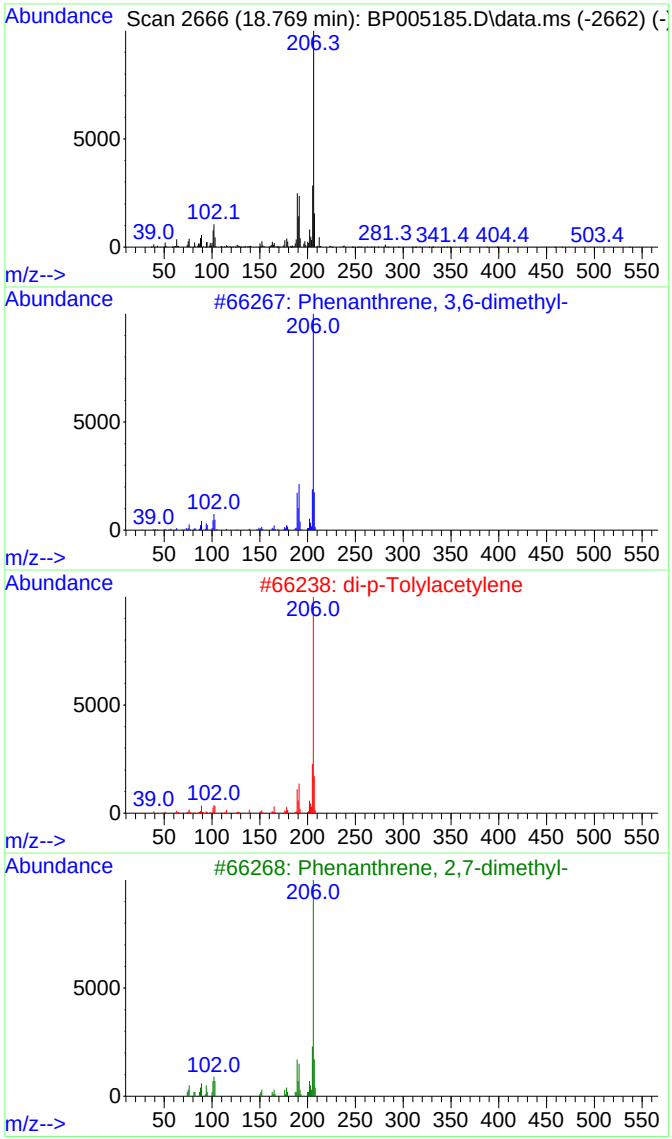
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

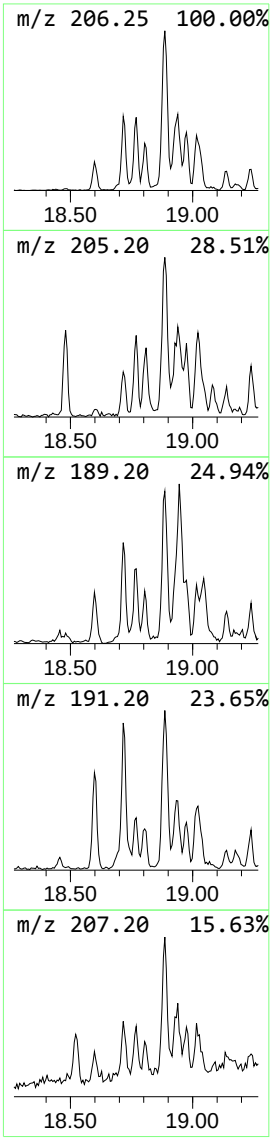
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.769	5.57 ng	77051	Phenanthrene-d10	17.122

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	94
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	81
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	72





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Data File : BP005185.D
Acq On : 05 Apr 2021 18:47
Operator : CG/JU
Sample : M1888-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3D-(4-10)

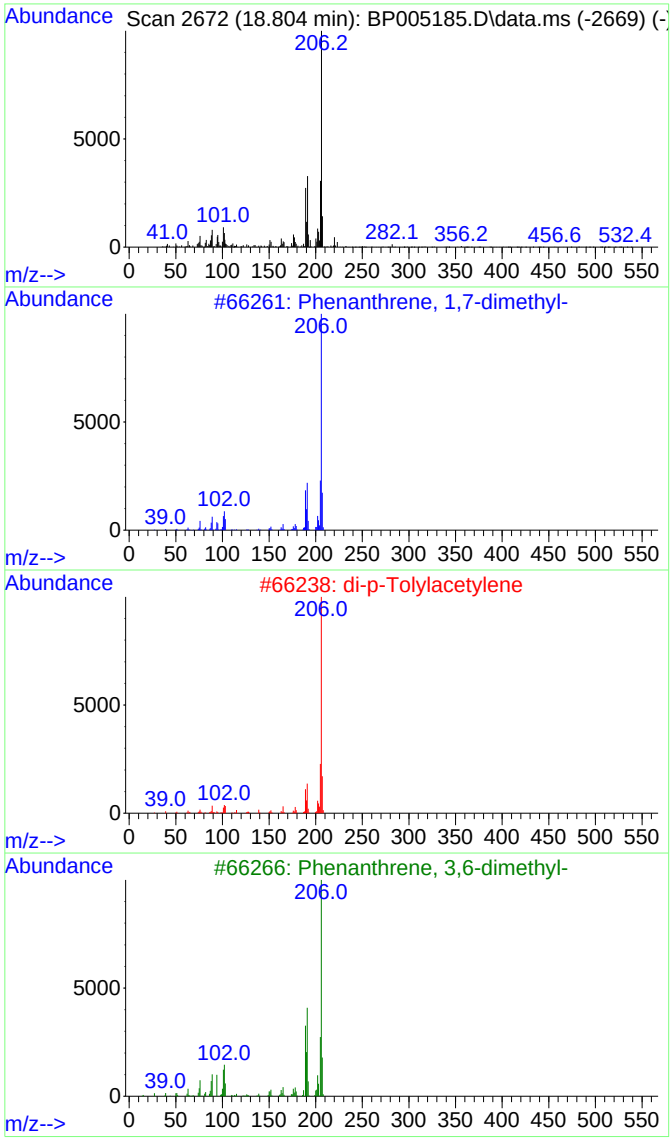
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

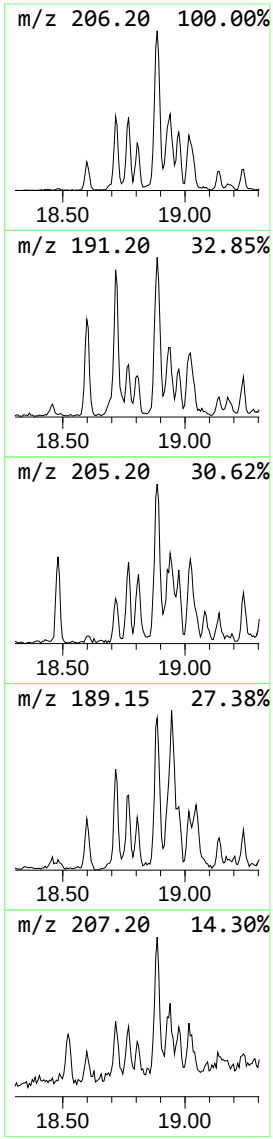
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Phenanthrene, 1,7-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.804	4.40 ng	60889	Phenanthrene-d10	17.122

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87





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Data File : BP005185.D
Acq On : 05 Apr 2021 18:47
Operator : CG/JU
Sample : M1888-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3D-(4-10)

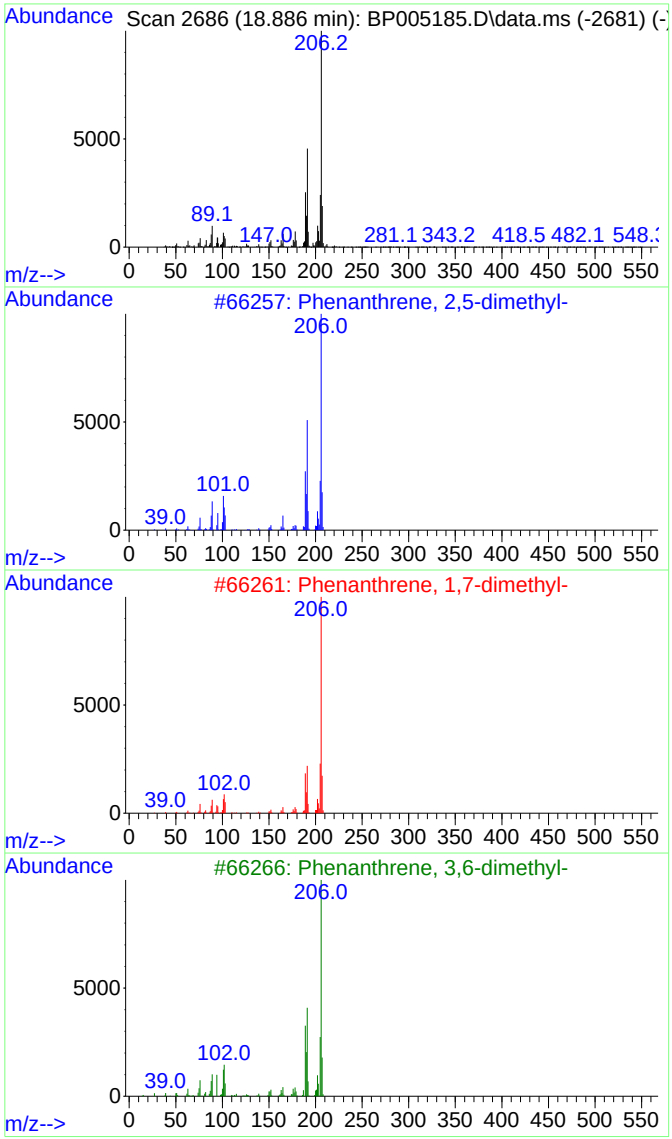
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

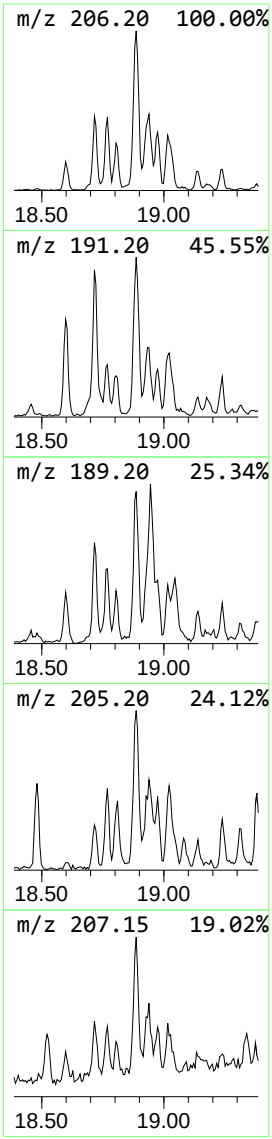
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.886	17.50 ng	242190	Phenanthrene-d10	17.122

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





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Operator : CG/JU
Sample : M1888-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-3D-(4-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

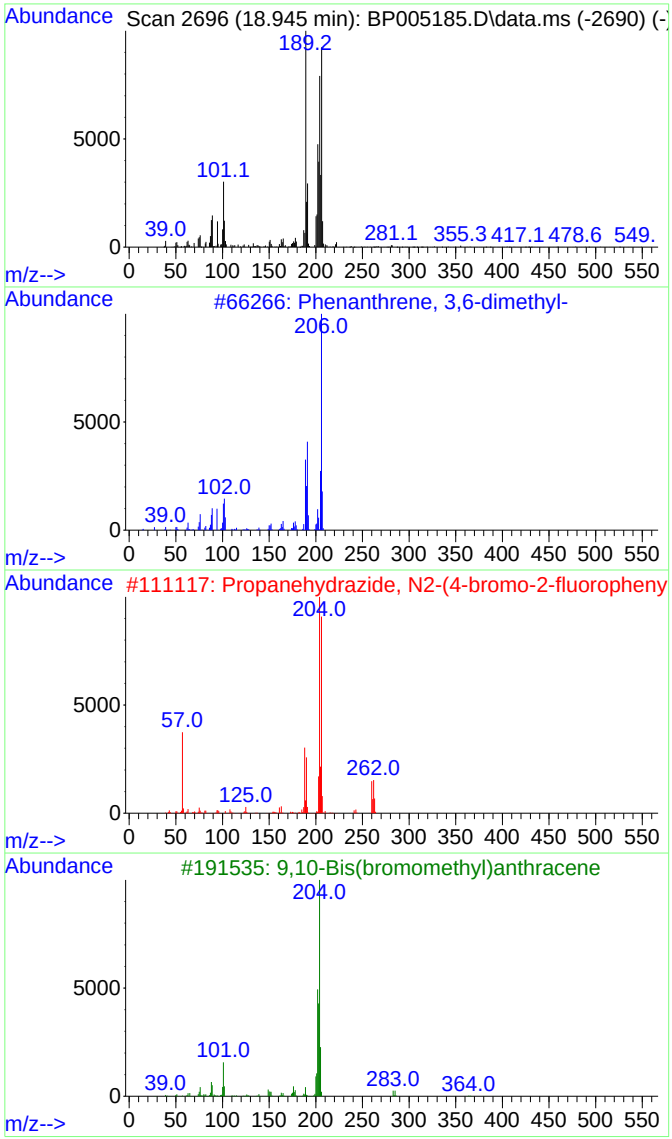
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

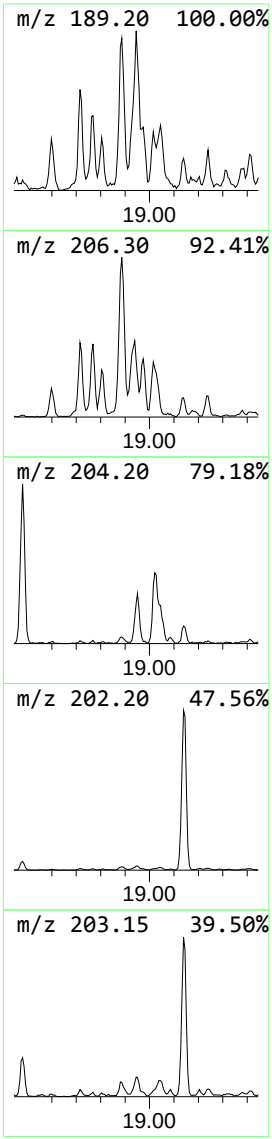
****

Peak Number 14 unknown18.945 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.945	11.01 ng	152438	Phenanthrene-d10	17.122

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	42
2	Propanehydrazide, N2-(4-bromo-2-...	260	C9H10BrFN2O	1000272-78-2	38
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
4	1,2,3,3a-Tetrahydro-10-phenylben...	260	C18H16N2	028749-06-6	35
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	25





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Operator : CG/JU
Sample : M1888-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3D-(4-10)

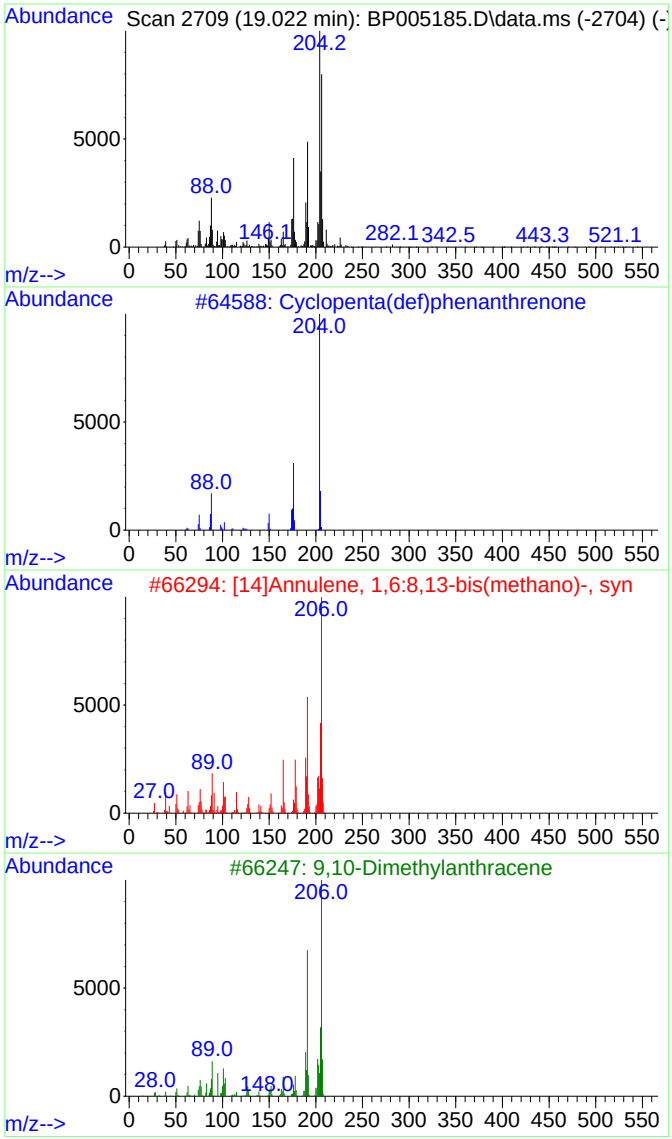
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

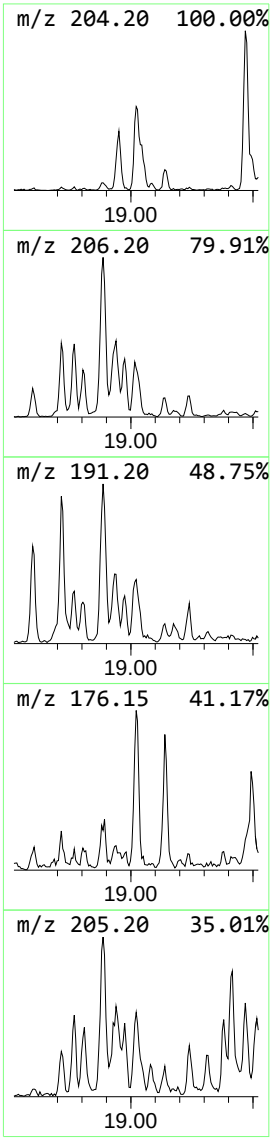
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.022	13.13 ng	181661	Phenanthrene-d10	17.122

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	86
2	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	70
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	50
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	50





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Data File : BP005185.D
Acq On : 05 Apr 2021 18:47
Operator : CG/JU
Sample : M1888-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-3D-(4-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP032321.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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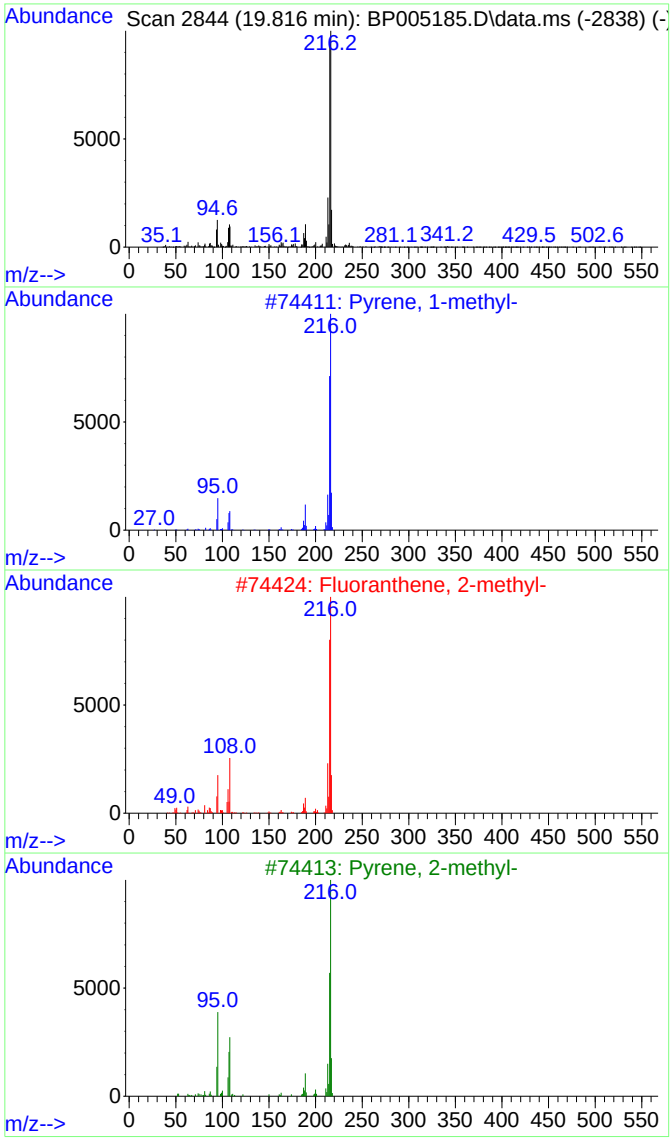
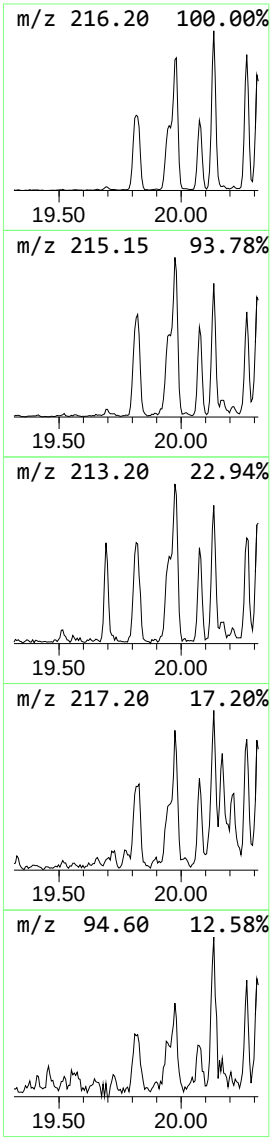
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.816	4.75 ng	243794	Chrysene-d12	21.216

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	92
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Data File : BP005185.D
Acq On : 05 Apr 2021 18:47
Operator : CG/JU
Sample : M1888-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-3D-(4-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP032321.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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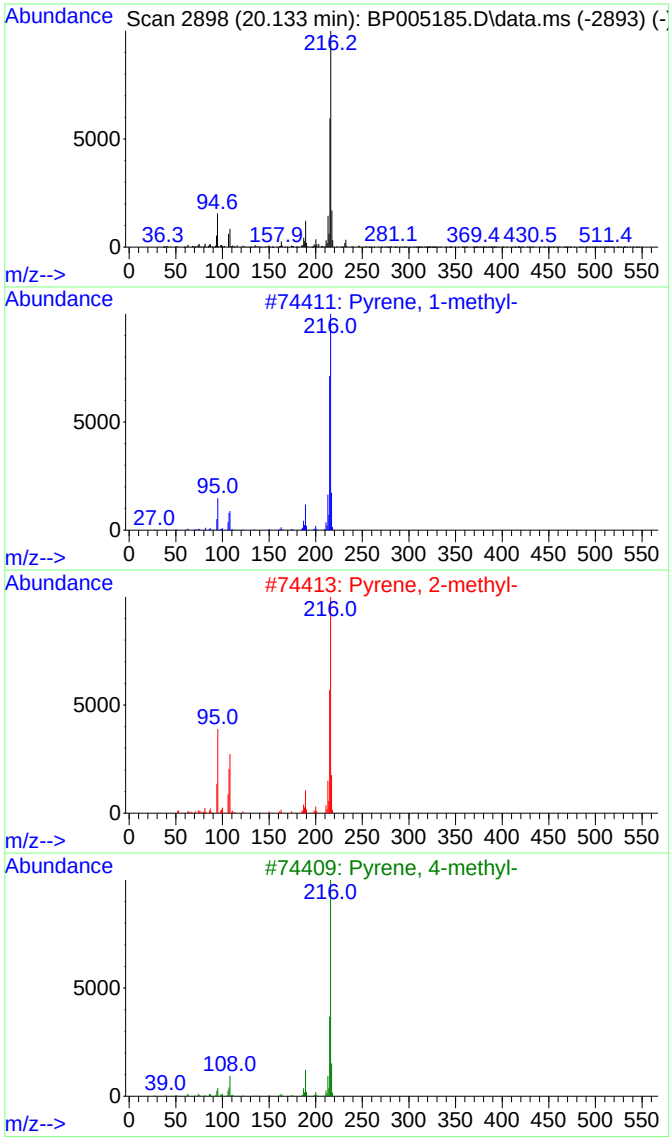
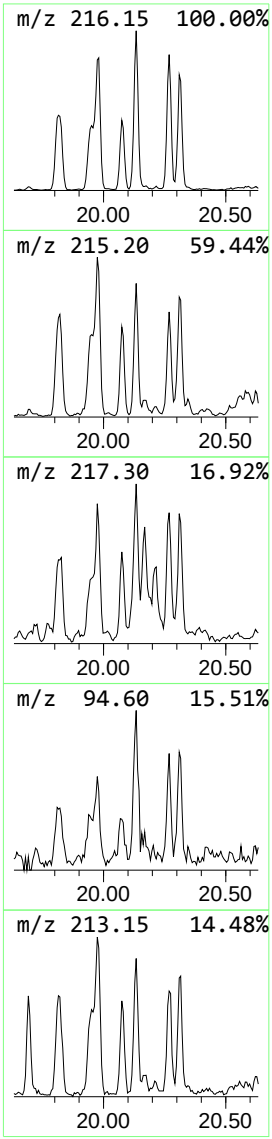
Peak Number 17 Pyrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.133	4.25 ng	217788	Chrysene-d12	21.216

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	94
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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Acq On : 05 Apr 2021 18:47
Operator : CG/JU
Sample : M1888-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-3D-(4-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP032321.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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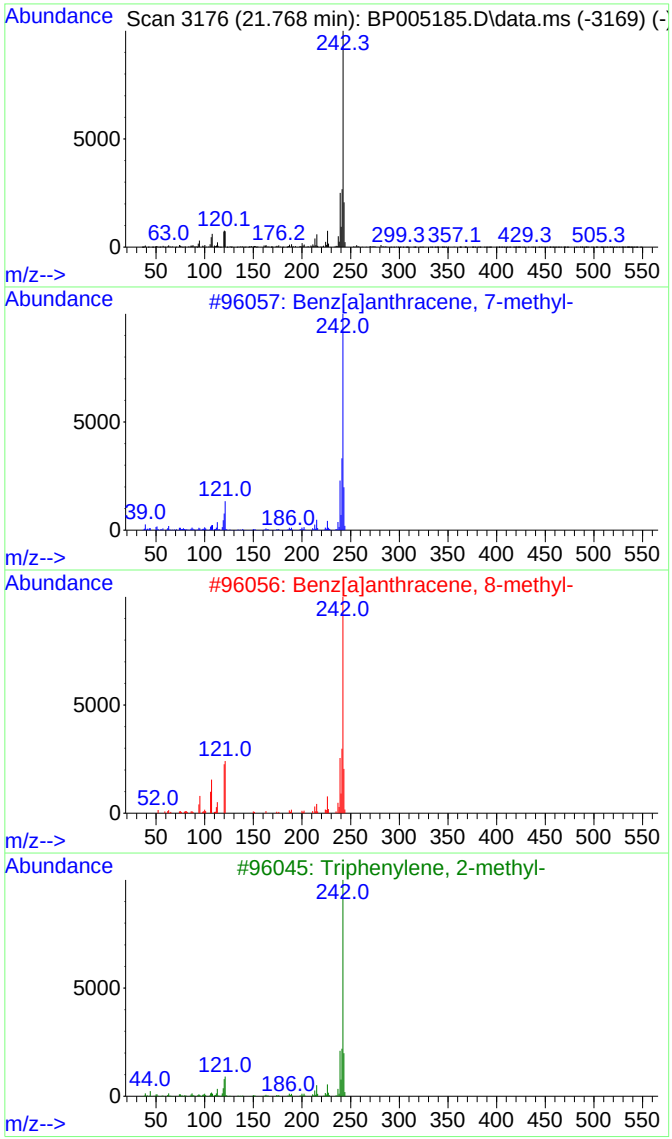
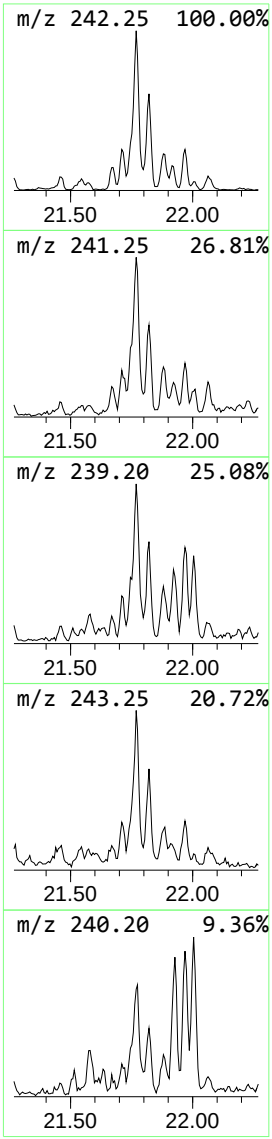
Peak Number 18 Benz[a]anthracene, 7-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.769	5.10 ng	261781	Chrysene-d12	21.216

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	96
2	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	95
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
4	Benzo[c]phenanthrene, 2-methyl-	242	C19H14	002606-85-1	92
5	Chrysene, 5-methyl-	242	C19H14	003697-24-3	91





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Data File : BP005185.D
Acq On : 05 Apr 2021 18:47
Operator : CG/JU
Sample : M1888-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-3D-(4-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP032321.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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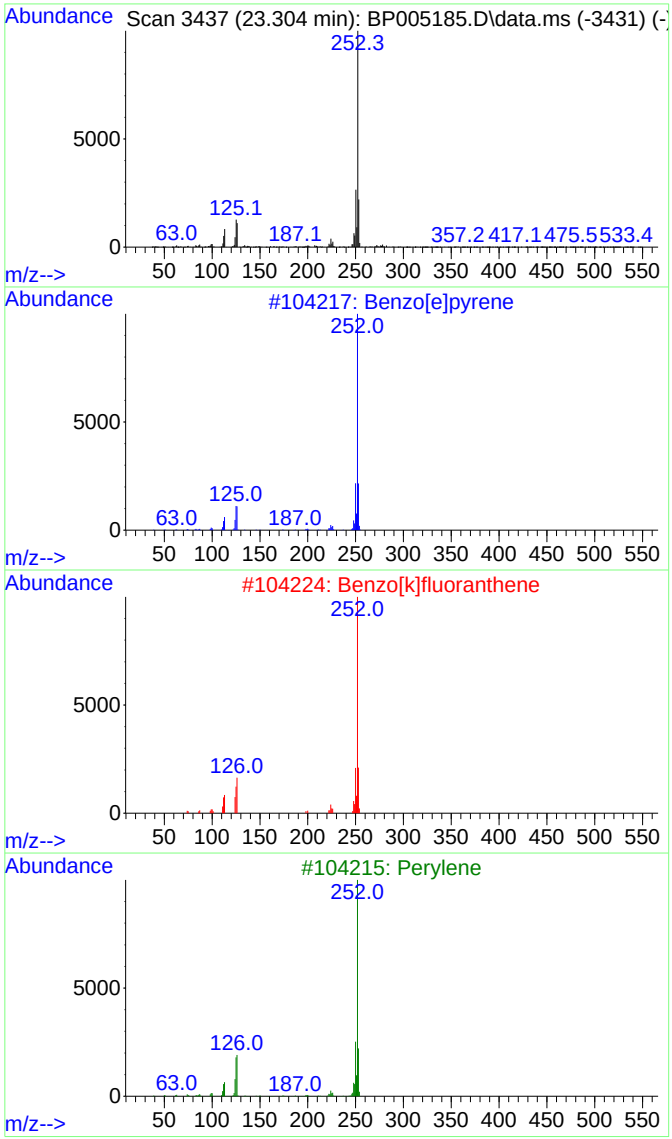
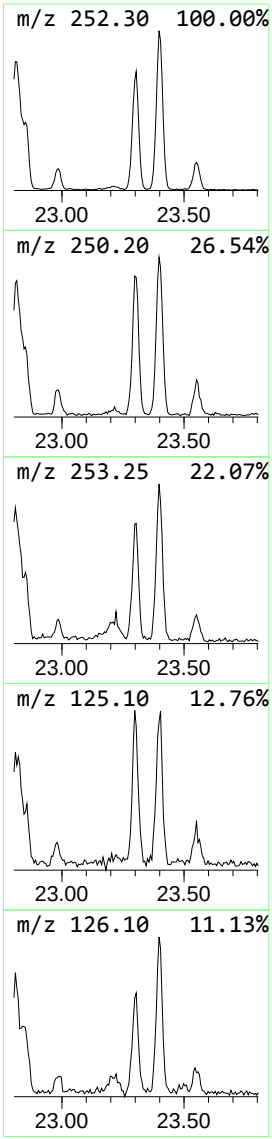
Peak Number 19 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.304	14.09 ng	255233	Perylene-d12	23.498

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	97
3	Perylene	252	C20H12	000198-55-0	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040521\
Data File : BP005185.D
Acq On : 05 Apr 2021 18:47
Operator : CG/JU
Sample : M1888-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-3D-(4-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP032321.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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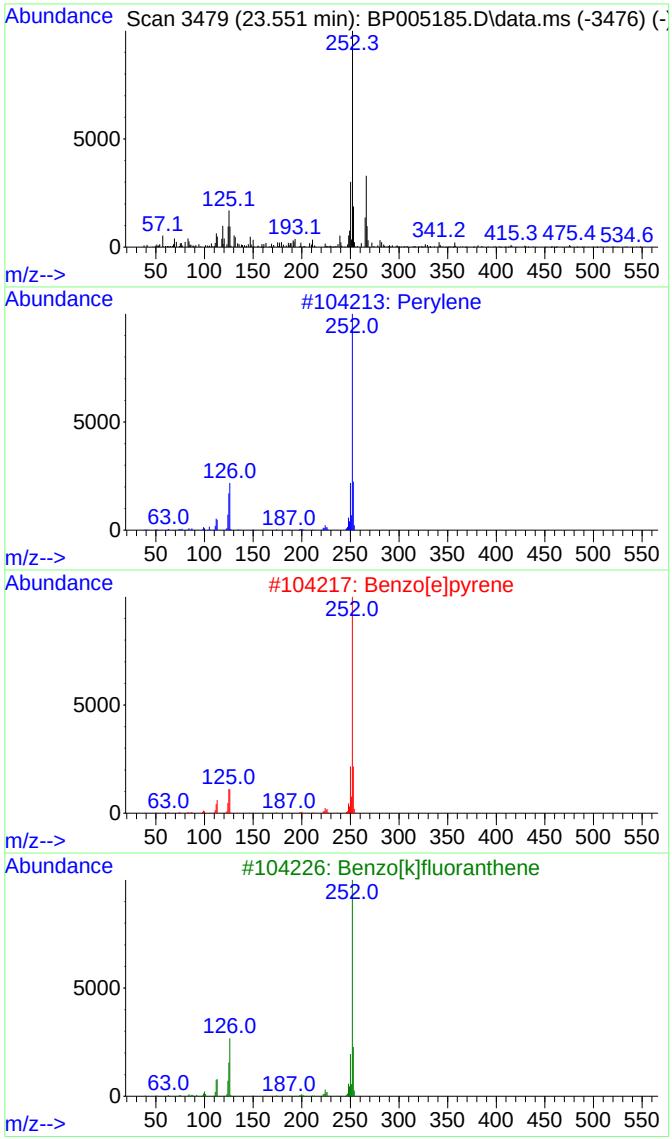
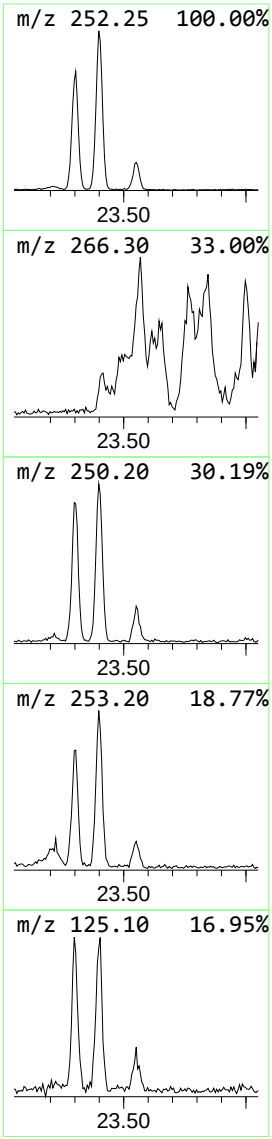
Peak Number 20 Perylene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.551	5.19 ng	93937	Perylene-d12	23.498

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	49
2	Benzo[e]pyrene	252	C20H12	000192-97-2	49
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	46
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	46
5	2-[3-Methoxyphenyl]-4H-1-benzopy...	252	C16H12O3	053906-83-5	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040521\
Data File : BP005185.D
Acq On : 05 Apr 2021 18:47
Operator : CG/JU
Sample : M1888-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-3D-(4-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP032321.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
Thioxanthene	17.704	5.7	ng	78227	4	17.122	276803	20.0
Phenanthrene, 2...	17.992	23.2	ng	321624	4	17.122	276803	20.0
Phenanthrene, 1...	18.039	35.5	ng	491167	4	17.122	276803	20.0
1H-Cyclopropa[l...	18.116	5.8	ng	80876	4	17.122	276803	20.0
Anthracene, 1-m...	18.175	28.4	ng	393636	4	17.122	276803	20.0
Anthracene, 2-m...	18.216	16.3	ng	225092	4	17.122	276803	20.0
Tricyclo[8.2.2....	18.480	10.1	ng	139714	4	17.122	276803	20.0
9,10-Anthracene...	18.522	13.5	ng	186621	4	17.122	276803	20.0
Phenanthrene, 4...	18.598	5.0	ng	68904	4	17.122	276803	20.0
Anthracene, 2-e...	18.716	8.3	ng	115474	4	17.122	276803	20.0
Phenanthrene, 3...	18.769	5.6	ng	77051	4	17.122	276803	20.0
Phenanthrene, 1...	18.804	4.4	ng	60889	4	17.122	276803	20.0
Phenanthrene, 2...	18.886	17.5	ng	242190	4	17.122	276803	20.0
unknown18.945	18.945	11.0	ng	152438	4	17.122	276803	20.0
Cyclopenta(def)...	19.022	13.1	ng	181661	4	17.122	276803	20.0
Pyrene, 1-methyl-	19.816	4.8	ng	243794	5	21.216	1025610	20.0
Pyrene, 2-methyl-	20.133	4.3	ng	217788	5	21.216	1025610	20.0
Benz[a]anthrace...	21.769	5.1	ng	261781	5	21.216	1025610	20.0
Benzo[e]pyrene	23.304	14.1	ng	255233	6	23.498	362187	20.0
Perylene	23.551	5.2	ng	93937	6	23.498	362187	20.0