LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092220\
Data File : BP003348.D
Acq On : 22 Sep 2020 20:19
Operator : CG/JU
Sample : L3872-07 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BU-02-092120

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: BP003348.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.187	384	391	413	rBV	1182328	1847833	13.44%	1.147%
2	6.769	648	660	674	rBV	1153588	1925321	14.00%	1.195%
3	7.569	789	796	806	rBV	749662	1174606	8.54%	0.729%
4	8.722	978	992	1005	rBV	772775	1345625	9.79%	0.835%
5	10.346	1260	1268	1274	rBV	986664	1667409	12.13%	1.035%
6	12.840	1685	1692	1712	rVB	2082328	3255901	23.68%	2.021%
7	13.681	1830	1835	1841	rVB	230670	320349	2.33%	0.199%
8	13.940	1873	1879	1894	rBV	482991	782423	5.69%	0.486%
9	14.222	1919	1927	1933	rBV	1512004	2229040	16.21%	1.384%
10	14.287	1933	1938	1947	rVB	294841	443238	3.22%	0.275%
11	14.622	1990	1995	2004	rVB2	180177	306301	2.23%	0.190%
12	14.845	2026	2033	2039	rBV4	79094	180765	1.31%	0.112%
13	15.275	2101	2106	2112	rBV3	318172	488968	3.56%	0.303%
14	15.575	2152	2157	2168	rVB2	164889	324255	2.36%	0.201%
15	15.722	2176	2182	2190	rVB	1539938	2339040	17.01%	1.452%
16	15.963	2217	2223	2227	rBV4	133936	256904	1.87%	0.159%
17	16.287	2271	2278	2283	rBV2	107616	246338	1.79%	0.153%
18	16.434	2299	2303	2309	rVB3	96453	160276	1.17%	0.099%
19	16.522	2314	2318	2320	rVV2	118435	159033	1.16%	0.099%
20	16.557	2320	2324	2328	rVB2	130465	183682	1.34%	0.114%
21	16.634	2333	2337	2345	rVB3	132263	232118	1.69%	0.144%
22	16.716	2346	2351	2357	rBV2	163607	319838	2.33%	0.199%
23	16.792	2361	2364	2368	rVB	142038	174918	1.27%	0.109%
24	16.975	2390	2395	2399	rBV	1638017	2486185	18.08%	1.543%
25	17.022	2399	2403	2409	rVV	3430911	4732186	34.42%	2.937%
26	17.110	2413	2418	2424	rVB	1470381	2060245	14.98%	1.279%
27	17.175	2424	2429	2434	rBV3	166636	291288	2.12%	0.181%
28	17.381	2461	2464	2468	rBV	184841	224087	1.63%	0.139%
29	17.498	2481	2484	2489	rVB2	221546	288154	2.10%	0.179%
30	17.557	2491	2494	2499	rVV4	154742	215017	1.56%	0.133%
31	17.698	2515	2518	2524	rVB	98585	168801	1.23%	0.105%
32	17.851	2539	2544	2548	rBV	783693	1015585	7.39%	0.630%
33	17.898	2548	2552	2559	rVB	1064550	1442054	10.49%	0.895%
34	17.981	2561	2566	2570	rBV	554755	768602	5.59%	0.477%
35	18.039	2570	2576	2580	rVV2	1493212	2491547	18.12%	1.546%
36	18.075	2580	2582	2590	rVB	593192	729585	5.31%	0.453%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092220\
Data File : BP003348.D
Acq On : 22 Sep 2020 20:19
Operator : CG/JU
Sample : L3872-07 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BU-02-092120

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	18.186	2598	2601	2606	rVB3	121598	145696	1.06%	0.090%
38	18.239	2607	2610	2614	rBV3	135641	182772	1.33%	0.113%
39	18.339	2623	2627	2631	rBV	591633	767066	5.58%	0.476%
40	18.381	2631	2634	2640	rVB2	318042	455989	3.32%	0.283%
41	18.581	2665	2668	2672	rVV	264252	327886	2.38%	0.204%
42	18.633	2673	2677	2680	rVV	274726	364860	2.65%	0.226%
43	18.669	2680	2683	2687	rVB2	263159	321100	2.34%	0.199%
44	18.751	2691	2697	2701	rVV	644492	1115467	8.11%	0.692%
45	18.810	2702	2707	2710	rVV3	446622	846370	6.16%	0.525%
46	18.839	2710	2712	2715	rVV	250647	250966	1.83%	0.156%
47	18.886	2716	2720	2727	rVV2	615413	1022078	7.43%	0.634%
48	19.010	2734	2741	2746	rBV	8246325	12559444	91.35%	7.795%
49	19.069	2748	2751	2754	rVV	213862	262945	1.91%	0.163%
50	19.098	2754	2756	2761	rVB2	252011	306003	2.23%	0.190%
51	19.145	2761	2764	2768	rBV	269199	354539	2.58%	0.220%
52	19.239	2776	2780	2784	rBV	320153	408663	2.97%	0.254%
53	19.363	2791	2801	2808	rBV2	7169526	13748929	100.00%	8.534%
54	19.428	2808	2812	2819	rVB2	479785	858142	6.24%	0.533%
55	19.528	2825	2829	2830	rBV3	593028	618611	4.50%	0.384%
56	19.557	2830	2834	2838	rVV	3230905	3871655	28.16%	2.403%
57	19.586	2838	2839	2845	rVB2	384919	428262	3.11%	0.266%
58	19.680	2848	2855	2860	rBV3	763880	1927802	14.02%	1.197%
59	19.757	2866	2868	2871	rBV3	116699	142849	1.04%	0.089%
60	19.804	2872	2876	2879	rVV2	657824	1182594	8.60%	0.734%
61	19.839	2879	2882	2886	rVB	1646552	2117620	15.40%	1.314%
62	19.880	2886	2889	2891	rBV3	131292	142169	1.03%	0.088%
63	19.939	2895	2899	2902	rVV	1117619	1364743	9.93%	0.847%
64	19.992	2902	2908	2912	rVV2	1113453	1830945	13.32%	1.136%
65	20.028	2912	2914	2919	rVB2	257480	338994	2.47%	0.210%
66	20.075	2919	2922	2927	rBV2	235584	315950	2.30%	0.196%
67	20.128	2928	2931	2935	rVV	552064	677614	4.93%	0.421%
68	20.175	2935	2939	2943	rVV	616782	819750	5.96%	0.509%
69	20.422	2978	2981	2983	rBV2	174377	221861	1.61%	0.138%
70	20.533	2997	3000	3003	rBV2	208088	294472	2.14%	0.183%
71	20.569	3003	3006	3012	rVB	849820	1211868	8.81%	0.752%
72	20.727	3028	3033	3037	rBV3	942136	1599756	11.64%	0.993%
73	20.763	3037	3039	3043	rVV	958145	1186705	8.63%	0.737%
74	20.804	3043	3046	3051	rVV2	1217555	2063241	15.01%	1.281%
75	20.863	3053	3056	3063	rVB	905816	1192623	8.67%	0.740%
76	21.069	3083	3091	3096	rBV3	5465326	10570776	76.88%	6.561%

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092220\
Data File : BP003348.D
Acq On : 22 Sep 2020 20:19
Operator : CG/JU
Sample : L3872-07 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BU-02-092120

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	21.116	3096	3099	3108	rVB	4592163	6396939	46.53%	3.970%
78	21.227	3115	3118	3123	rBV	1245804	1648149	11.99%	1.023%
79	21.280	3124	3127	3132	rVV3	289954	449749	3.27%	0.279%
80	21.380	3140	3144	3149	rBV2	741491	1125562	8.19%	0.699%
81	21.433	3150	3153	3156	rVB2	249220	301444	2.19%	0.187%
82	21.616	3180	3184	3188	rVB	975721	1307867	9.51%	0.812%
83	21.663	3189	3192	3198	rVB	573441	775624	5.64%	0.481%
84	21.810	3213	3217	3219	rBV	541514	727091	5.29%	0.451%
85	21.898	3229	3232	3238	rVB3	480921	733324	5.33%	0.455%
86	22.374	3309	3313	3323	rVB3	519382	985522	7.17%	0.612%
87	22.627	3349	3356	3360	rBV	4325223	10013781	72.83%	6.215%
88	22.786	3379	3383	3389	rVB	1122473	1641072	11.94%	1.019%
89	23.092	3429	3435	3444	rVB	2688337	5211902	37.91%	3.235%
90	23.192	3445	3452	3459	rVV	4066604	7648370	55.63%	4.747%
91	23.280	3462	3467	3471	rVV2	988577	2000280	14.55%	1.242%
92	23.327	3471	3475	3483	rVB2	1387729	2634075	19.16%	1.635%
93	25.521	3839	3848	3857	rVB	2234719	6445150	46.88%	4.000%
94	26.204	3956	3964	3981	rVB	1672584	5369671	39.06%	3.333%

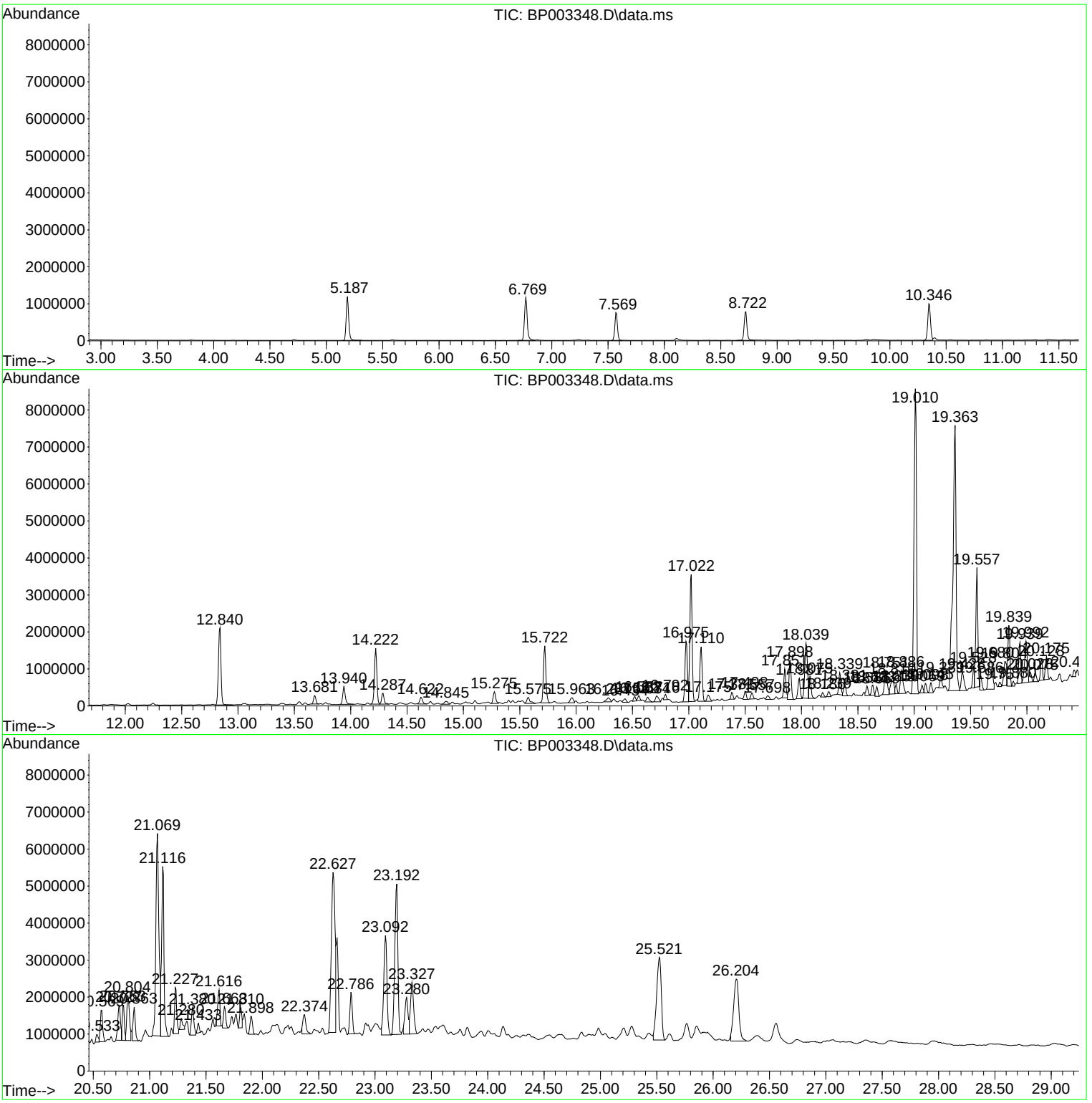
Sum of corrected areas: 161112864

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092220\
Data File : BP003348.D
Acq On : 22 Sep 2020 20:19
Operator : CG/JU
Sample : L3872-07 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
BU-02-092120

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\BP092220\
Data File : BP003348.D
Acq On : 22 Sep 2020 20:19
Operator : CG/JU
Sample : L3872-07 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
BU-02-092120

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

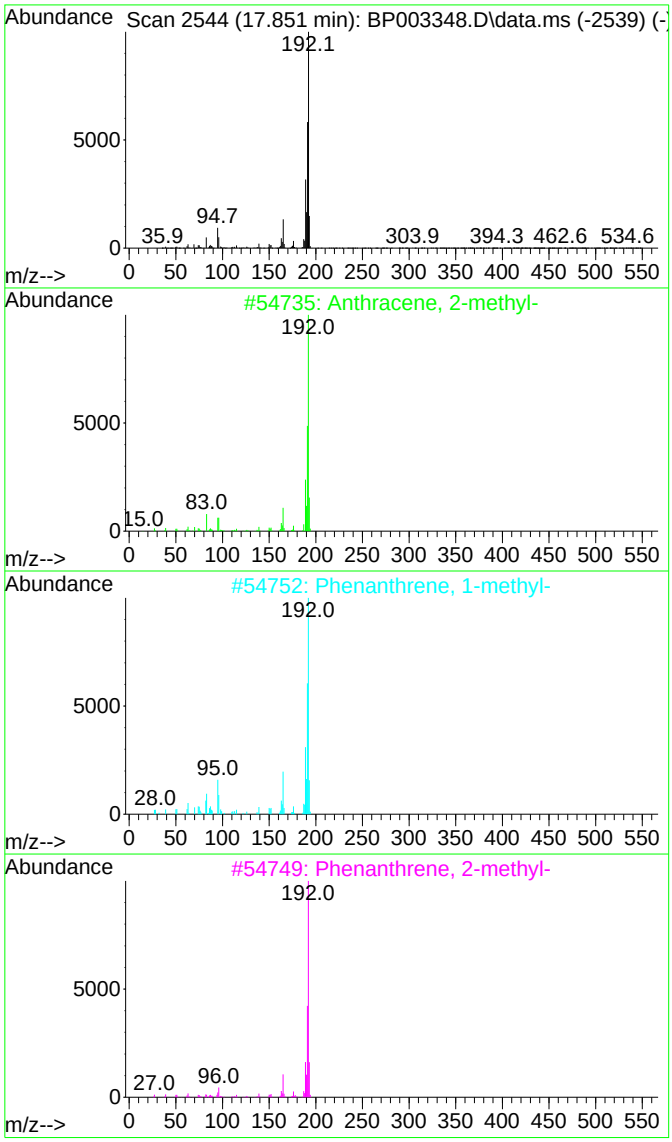
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

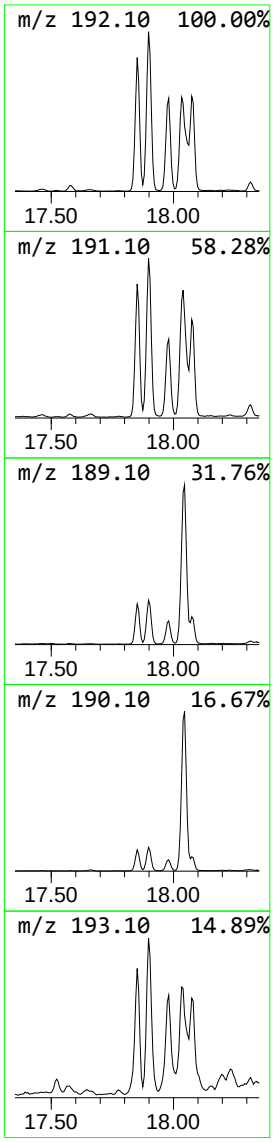
****

Peak Number 1 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.851	8.17 ng	1015590	Phenanthrene-d10	16.975

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, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092220\
Data File : BP003348.D
Acq On : 22 Sep 2020 20:19
Operator : CG/JU
Sample : L3872-07 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
BU-02-092120

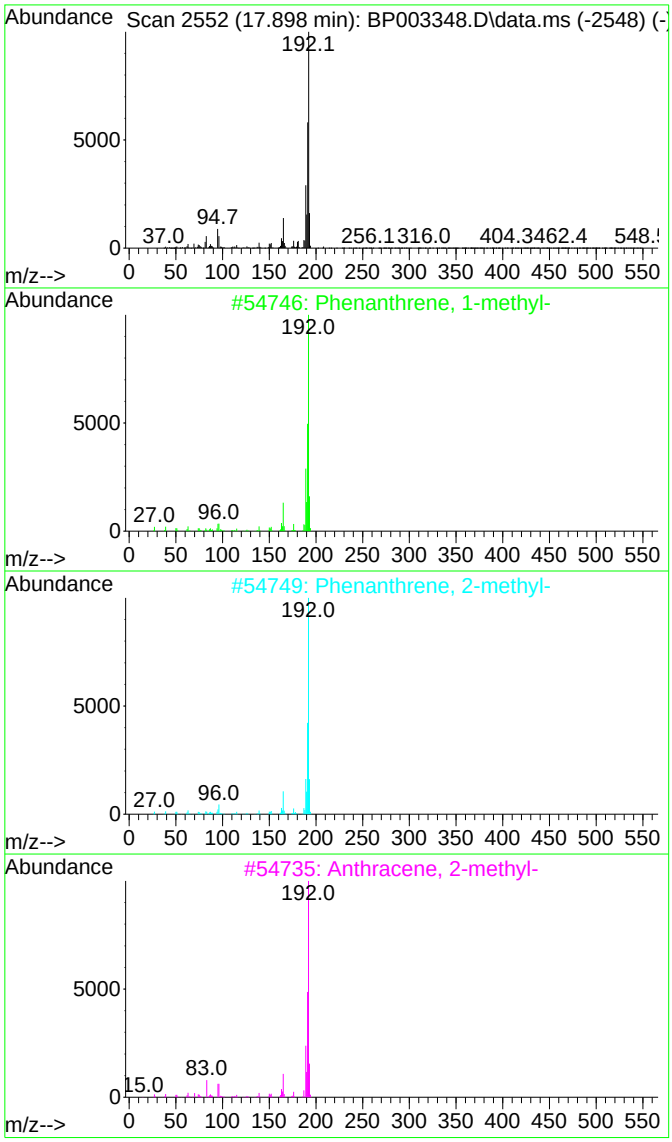
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

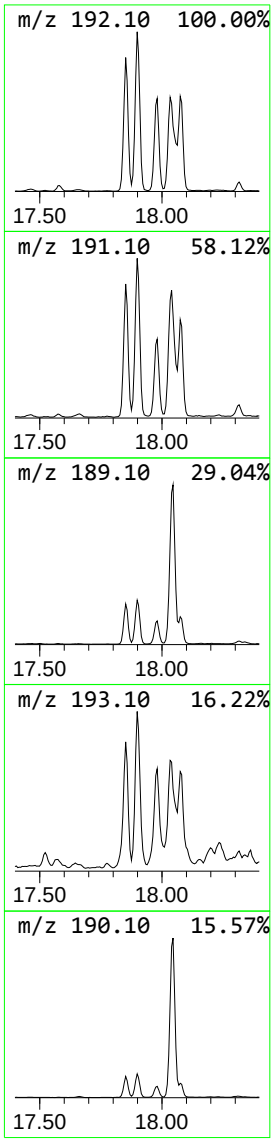
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.898	11.60 ng	1442050	Phenanthrene-d10	16.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092220\
Data File : BP003348.D
Acq On : 22 Sep 2020 20:19
Operator : CG/JU
Sample : L3872-07 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
BU-02-092120

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

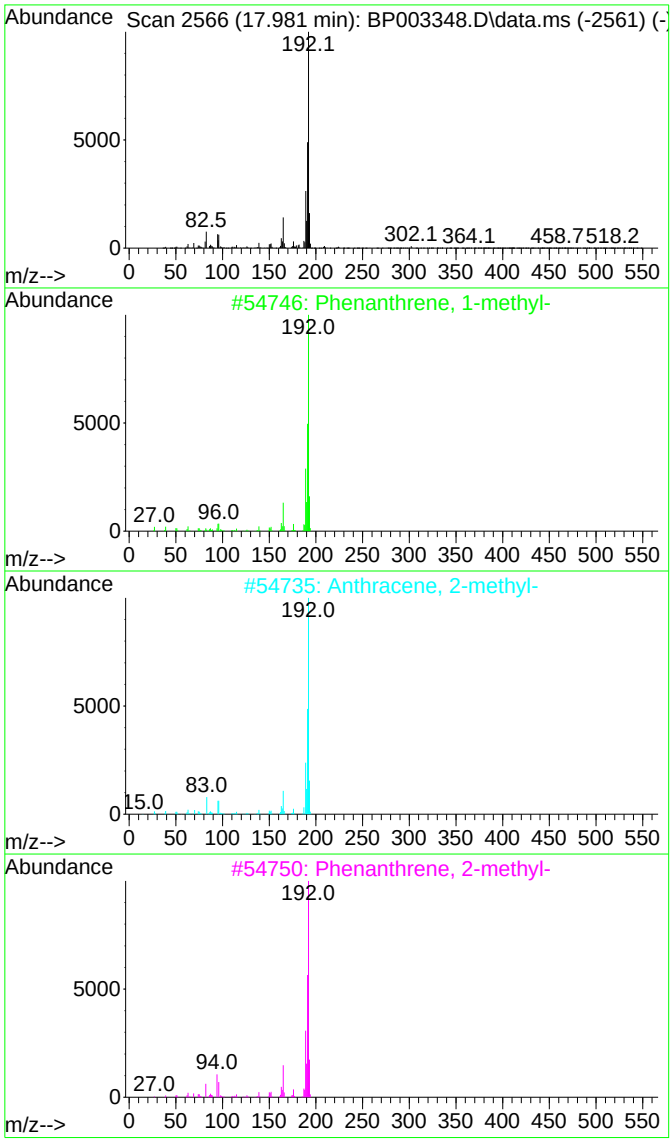
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

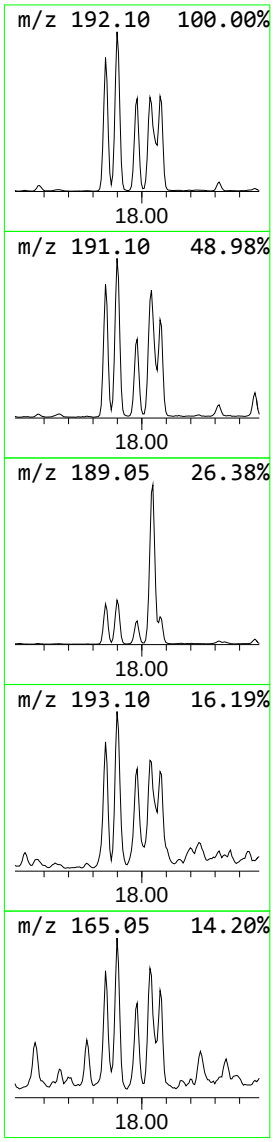
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.981	6.18 ng	768602	Phenanthrene-d10	16.975

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	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092220\
Data File : BP003348.D
Acq On : 22 Sep 2020 20:19
Operator : CG/JU
Sample : L3872-07 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
BU-02-092120

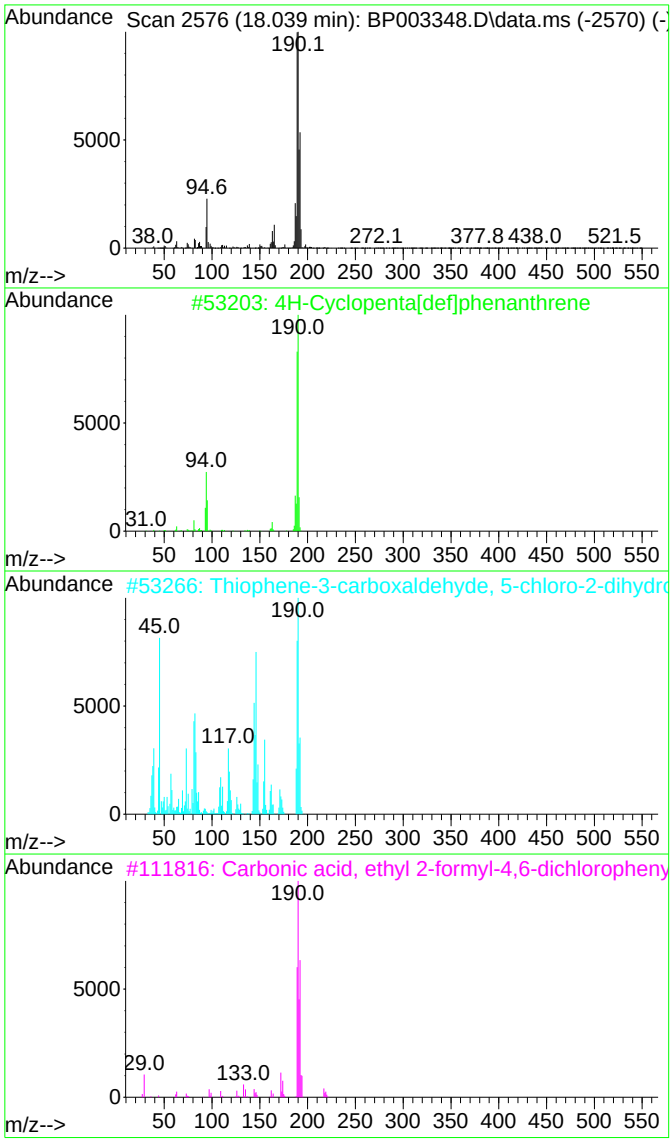
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

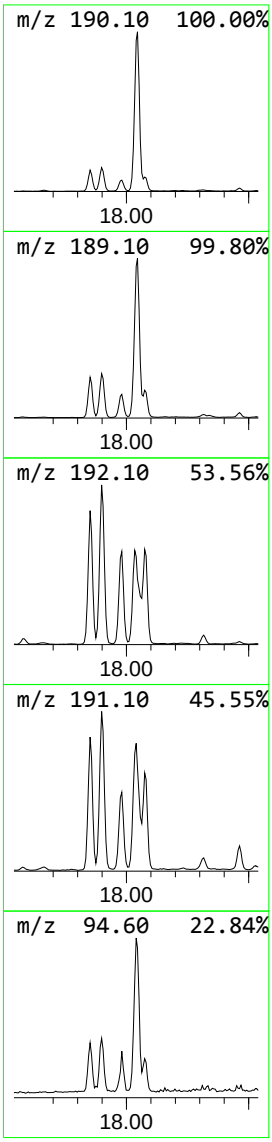
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.039	20.04 ng	2491550	Phenanthrene-d10	16.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092220\
Data File : BP003348.D
Acq On : 22 Sep 2020 20:19
Operator : CG/JU
Sample : L3872-07 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
BU-02-092120

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

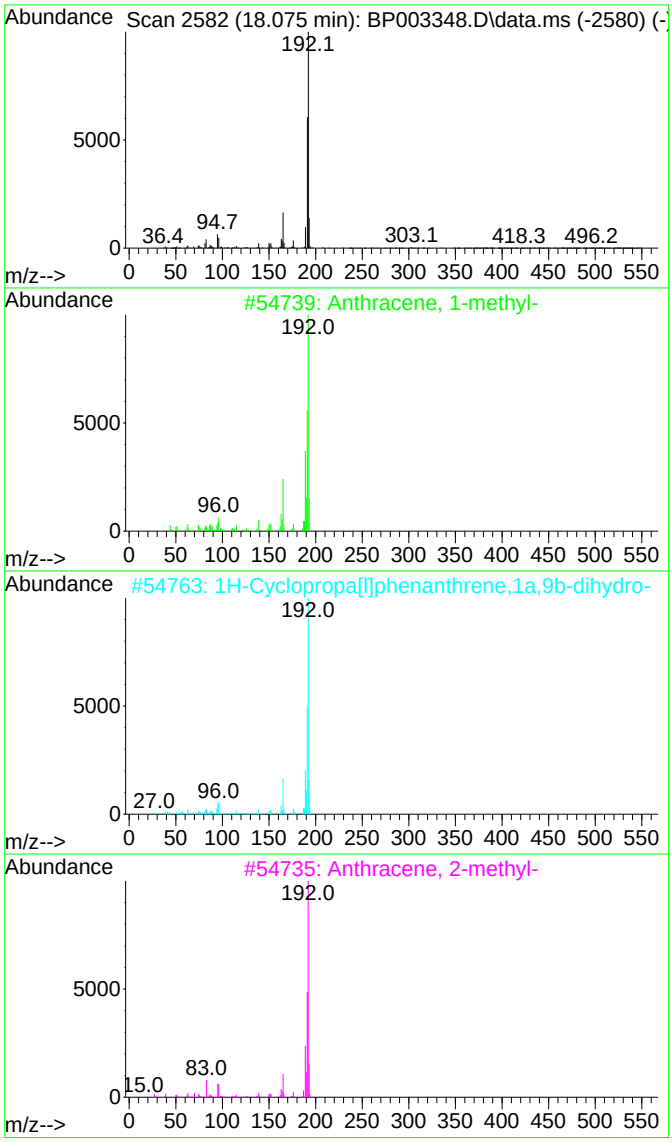
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

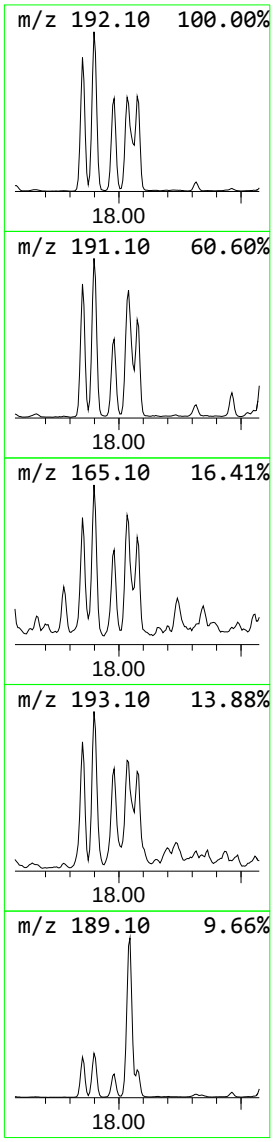
****

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.075	5.87 ng	729585	Phenanthrene-d10	16.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





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Acq On : 22 Sep 2020 20:19
Operator : CG/JU
Sample : L3872-07 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
BU-02-092120

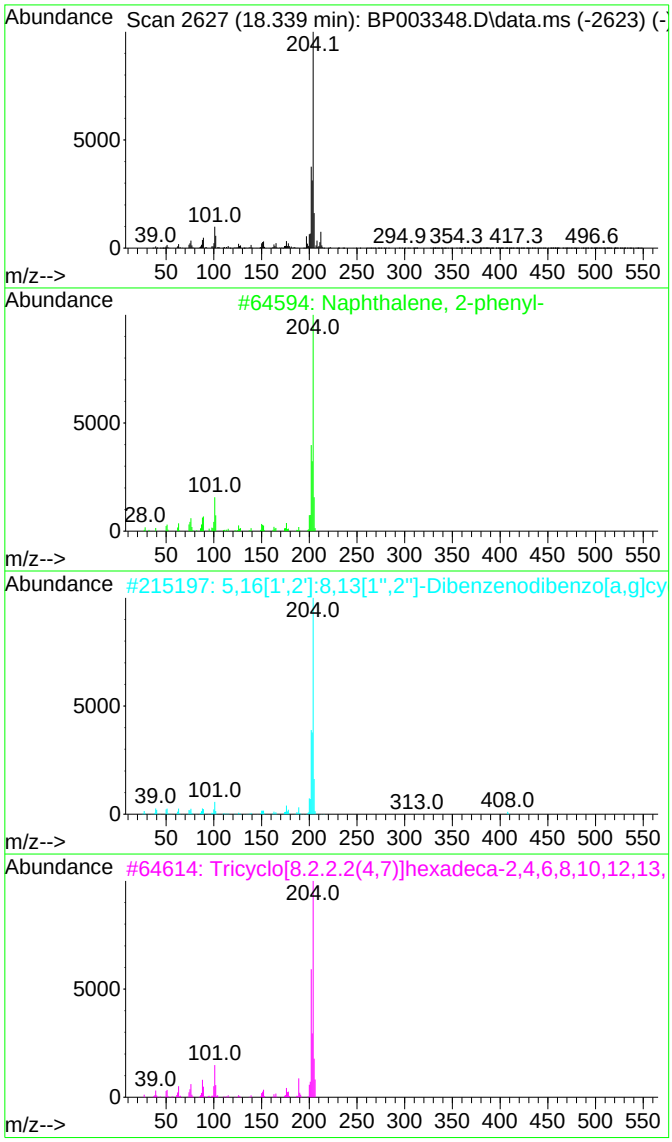
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

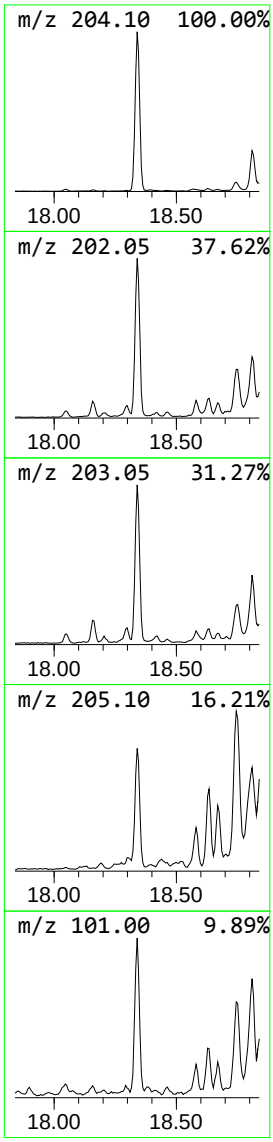
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.339	6.17 ng	767066	Phenanthrene-d10	16.975

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	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53





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Operator : CG/JU
Sample : L3872-07 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

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BNA_P
ClientSampleId :
BU-02-092120

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

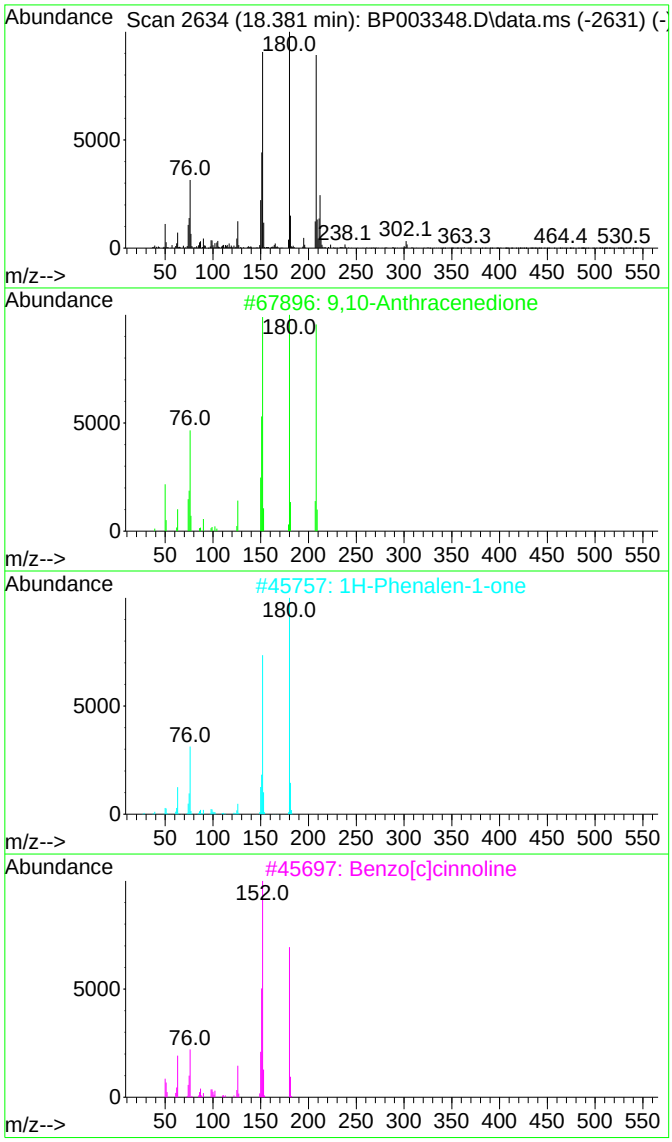
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

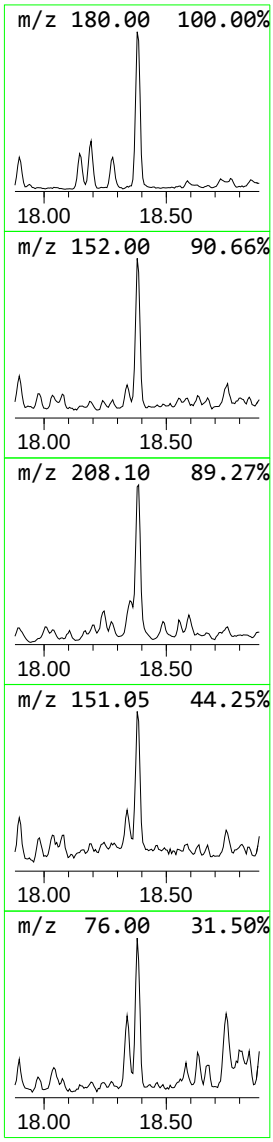
****

Peak Number 7 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.381	3.67 ng	455989	Phenanthrene-d10	16.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	55





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Sample : L3872-07 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
BU-02-092120

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

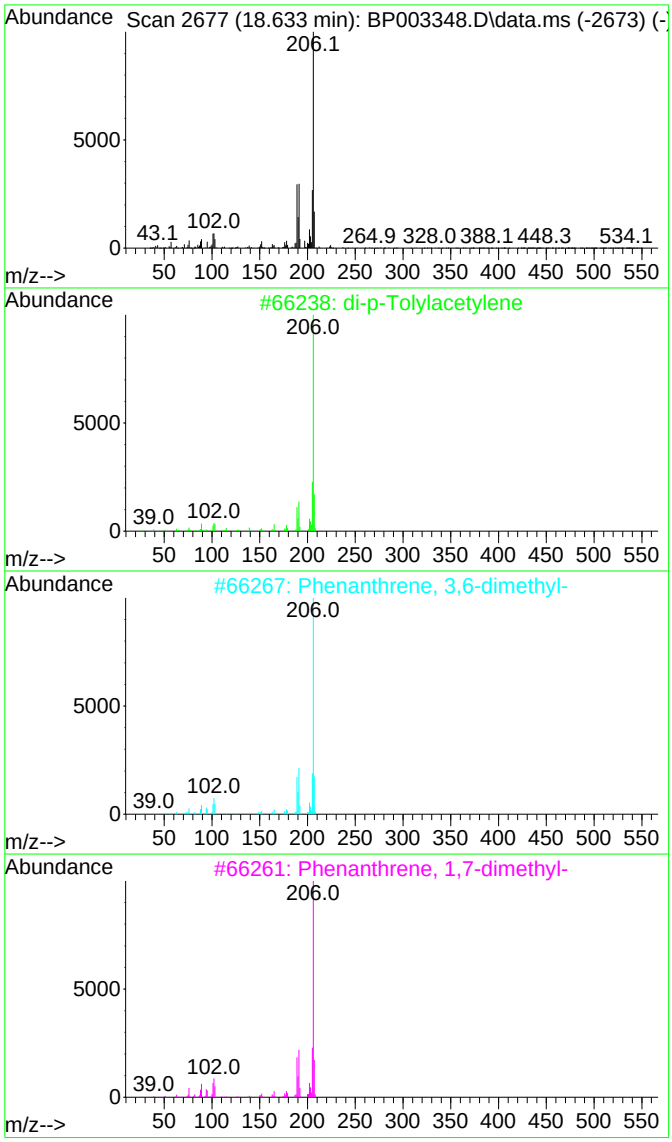
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

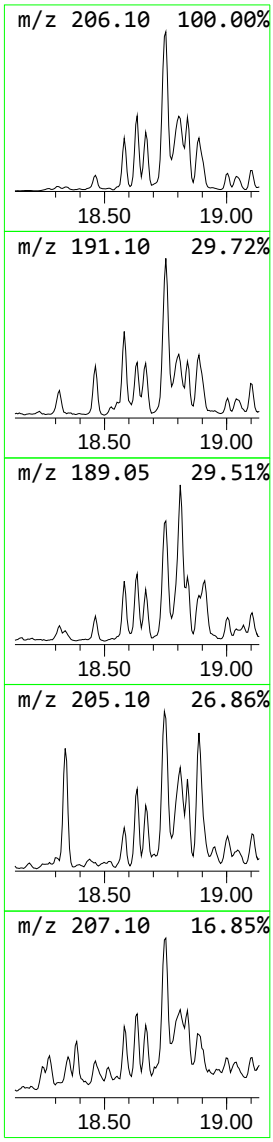
****

Peak Number 8 di-p-Tolylacetylene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.634	2.94 ng	364860	Phenanthrene-d10	16.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	74





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Acq On : 22 Sep 2020 20:19
Operator : CG/JU
Sample : L3872-07 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
BU-02-092120

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

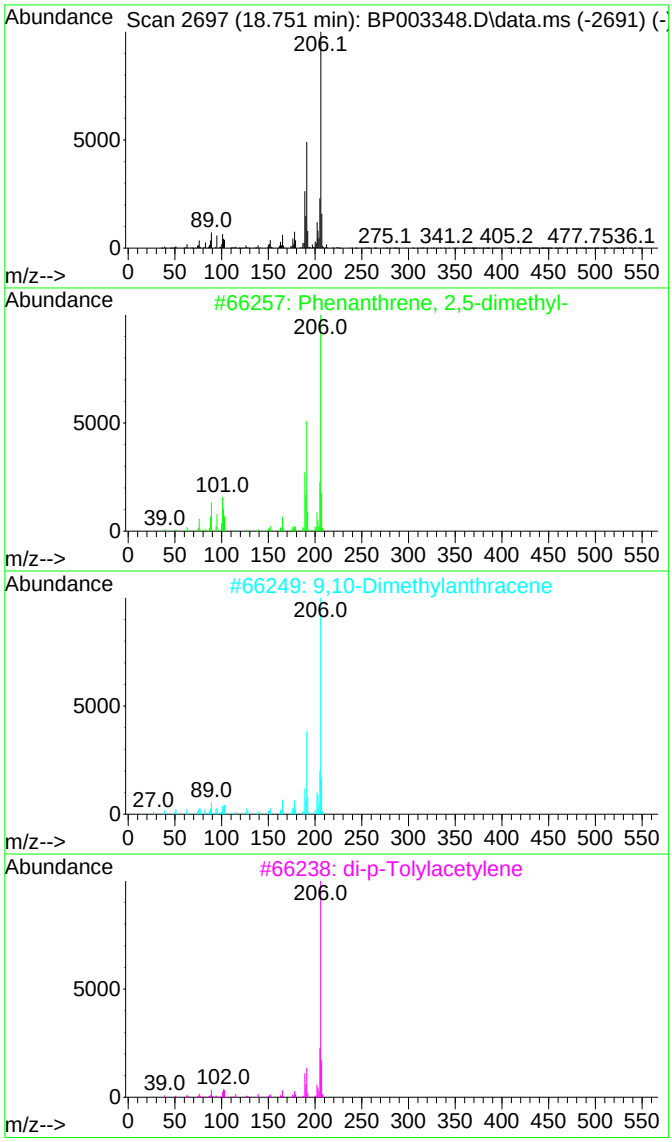
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

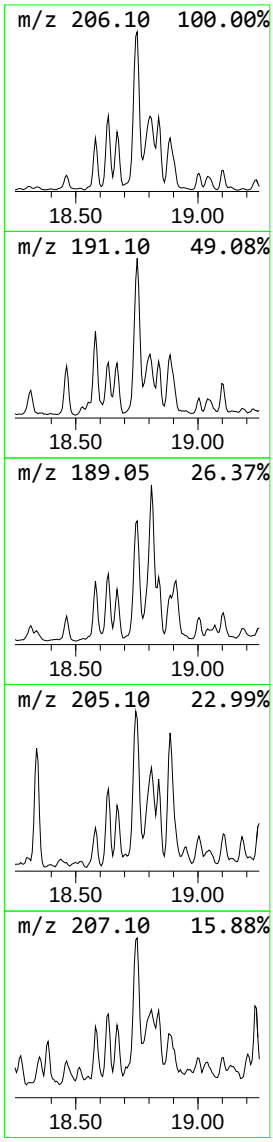
****

Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.751	8.97 ng	1115470	Phenanthrene-d10	16.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





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Operator : CG/JU
Sample : L3872-07 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
BU-02-092120

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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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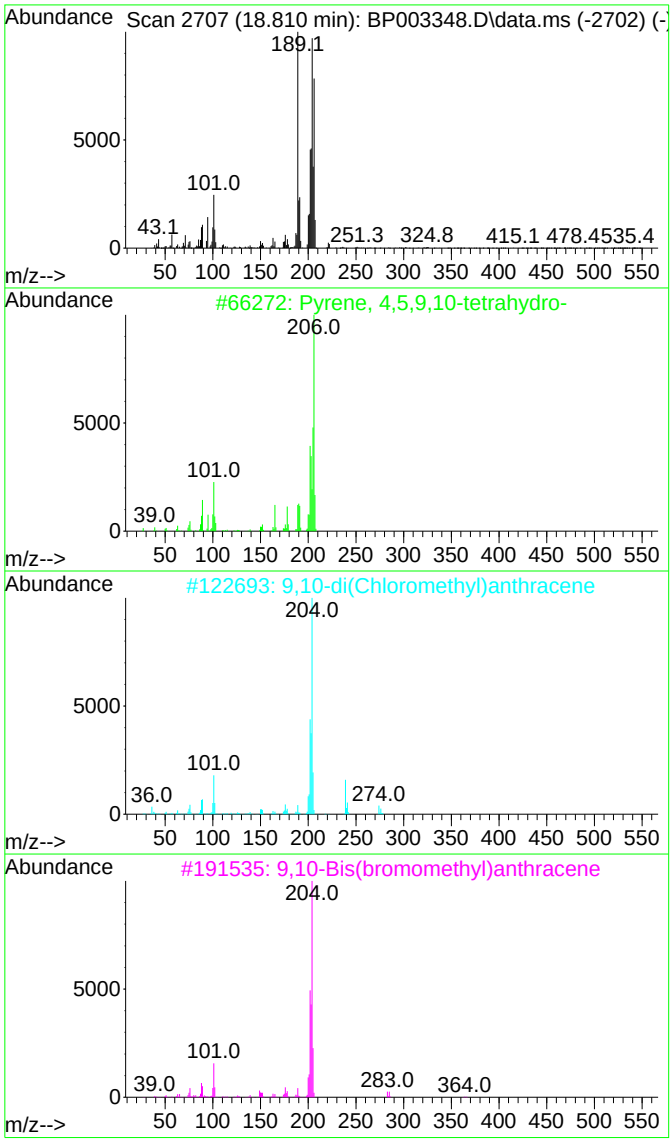
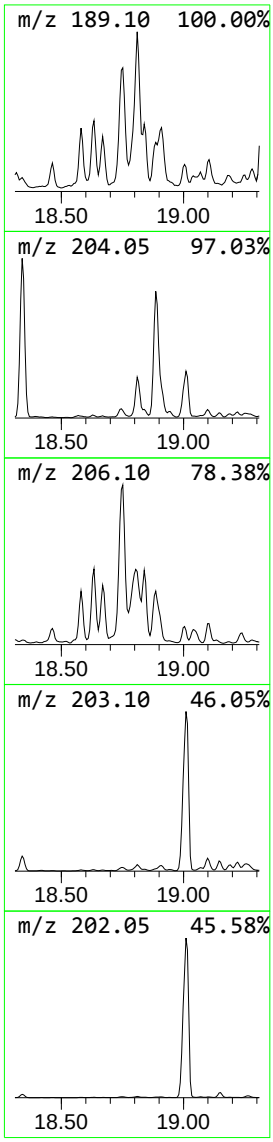
Peak Number 10 unknown18.810 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.810	6.81 ng	846370	Phenanthrene-d10	16.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	38
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	30
5	Levamisole	204	C11H12N2S	014769-73-4	25





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Acq On : 22 Sep 2020 20:19
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Sample : L3872-07 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
BU-02-092120

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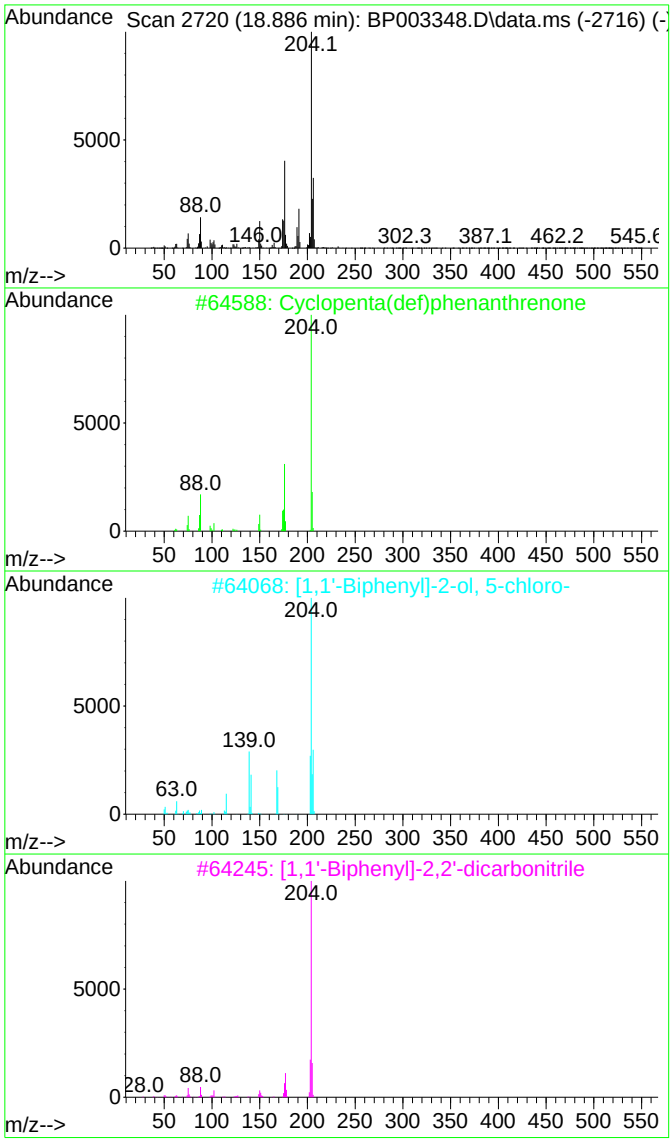
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

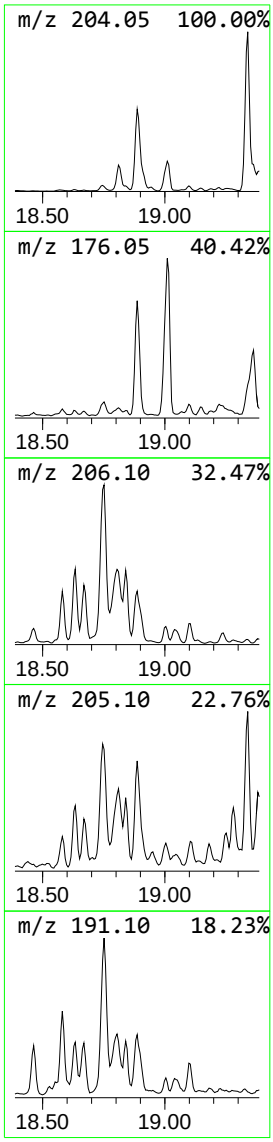
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.886	8.22 ng	1022080	Phenanthrene-d10	16.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43
5	Benzene, 1-chloro-4-phenoxy-	204	C12H9ClO	007005-72-3	43





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Operator : CG/JU
Sample : L3872-07 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BU-02-092120

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

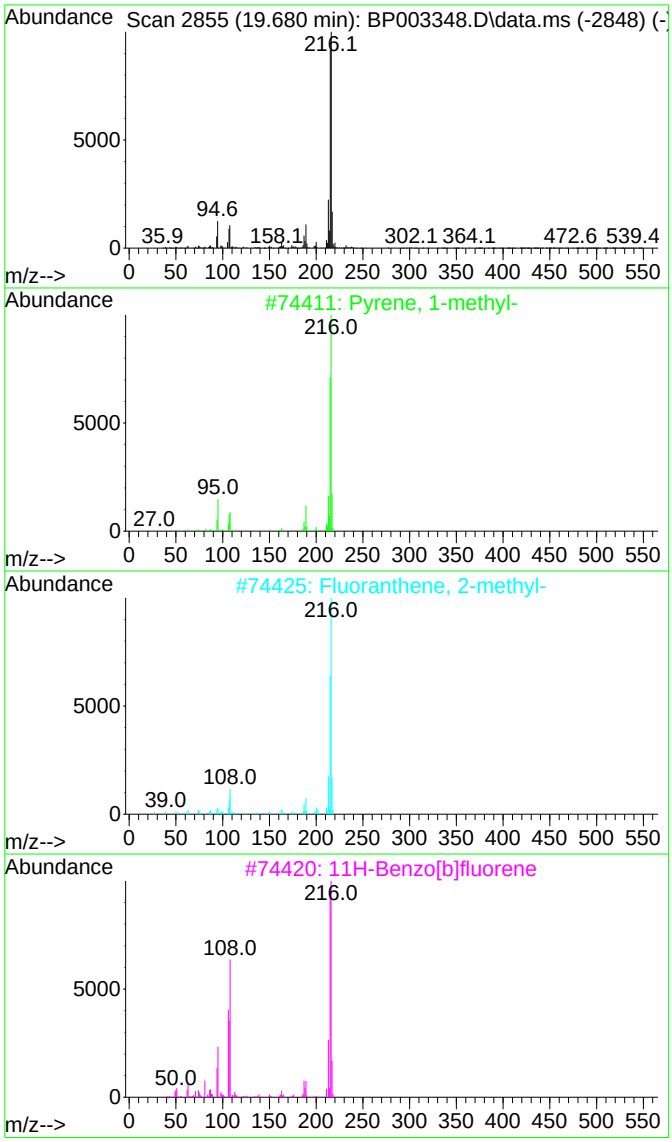
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

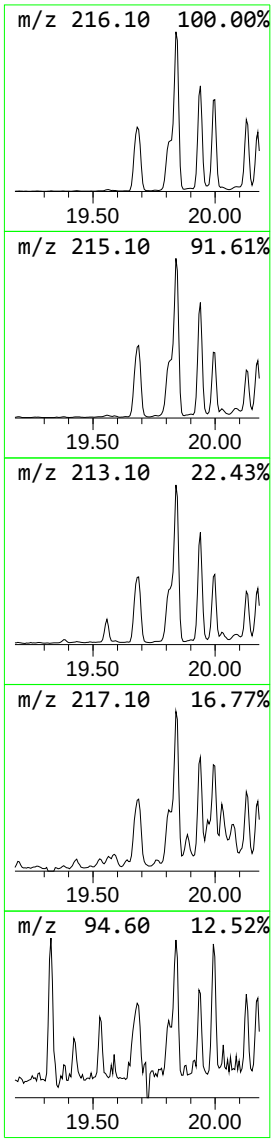
****

Peak Number 12 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.680	3.65 ng	1927800	Chrysene-d12	21.080

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





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Sample : L3872-07 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
BU-02-092120

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

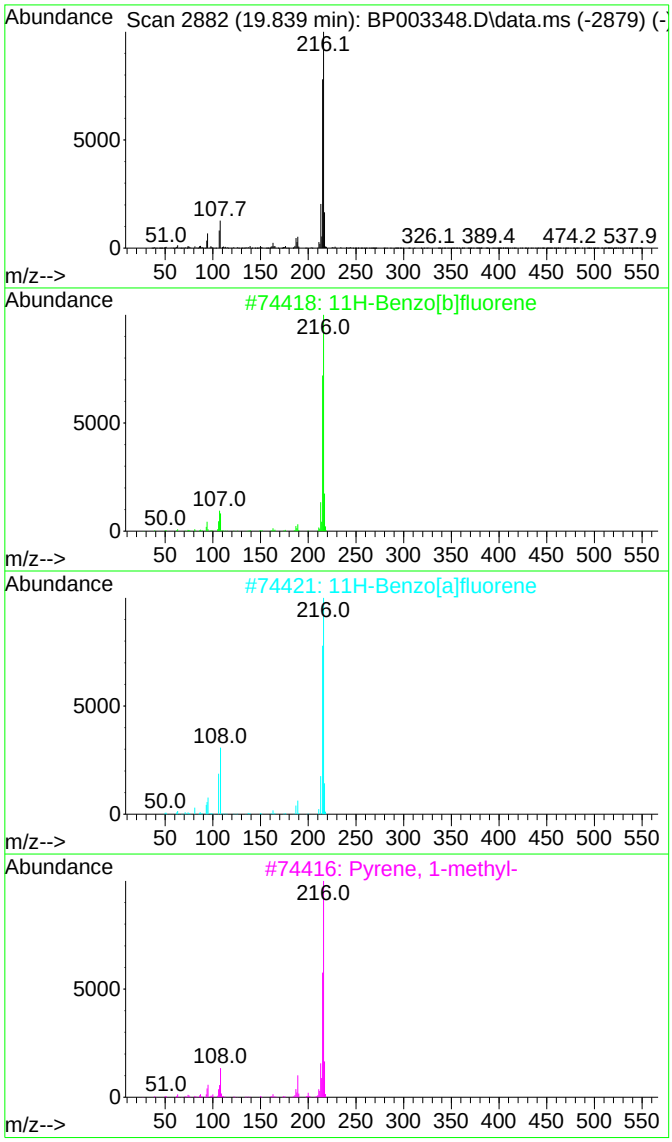
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

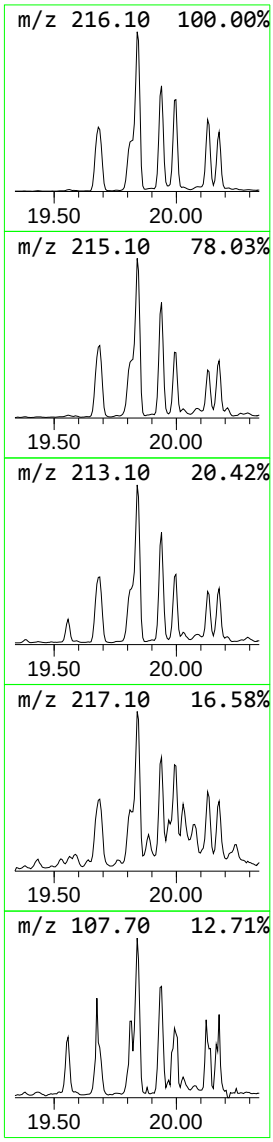
****

Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.839	4.01 ng	2117620	Chrysene-d12	21.080

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
BU-02-092120

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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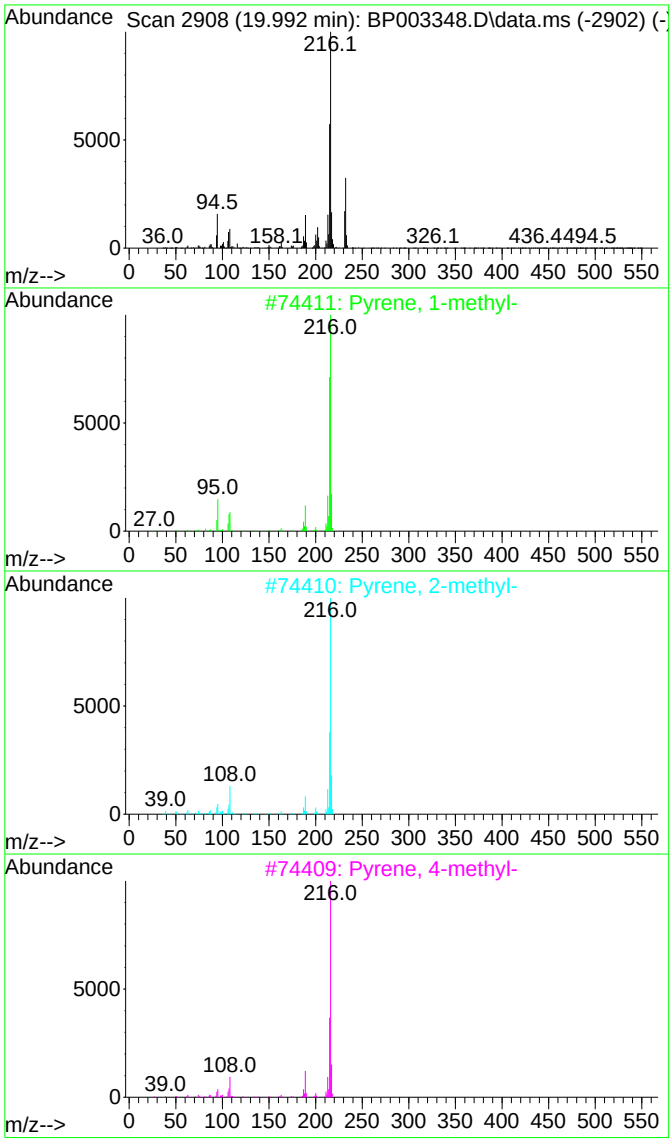
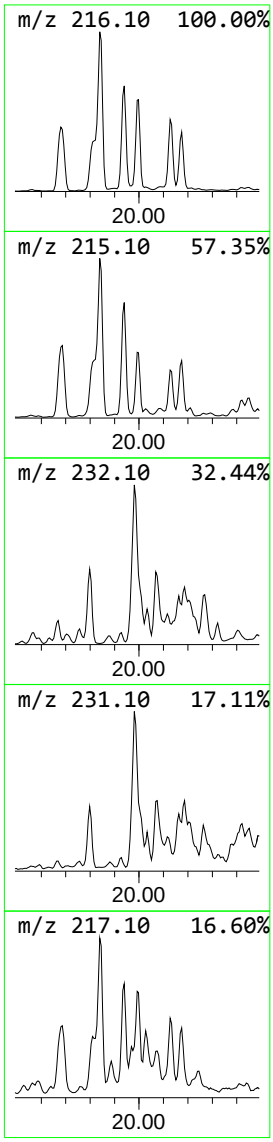
Peak Number 14 Pyrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.992	3.46 ng	1830950	Chrysene-d12	21.080

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
BU-02-092120

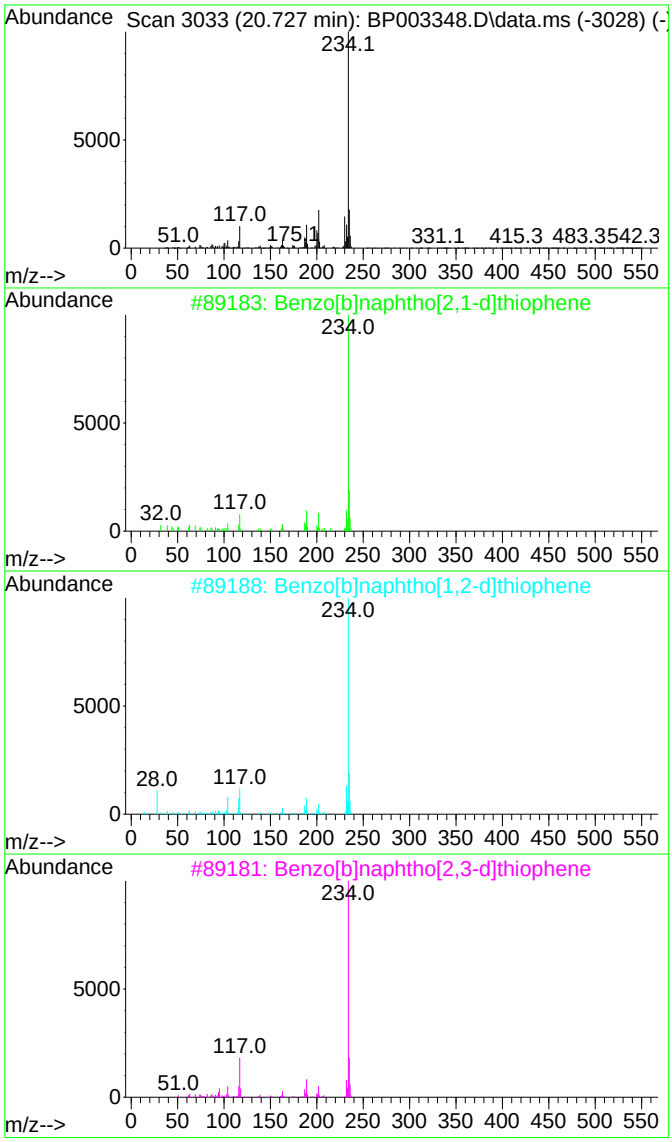
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

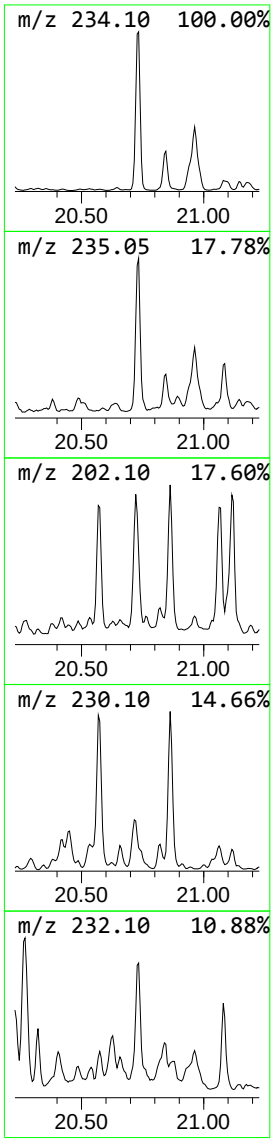
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.727	3.03 ng	1599760	Chrysene-d12	21.080

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	90
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
4	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	64
5	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	59





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BU-02-092120

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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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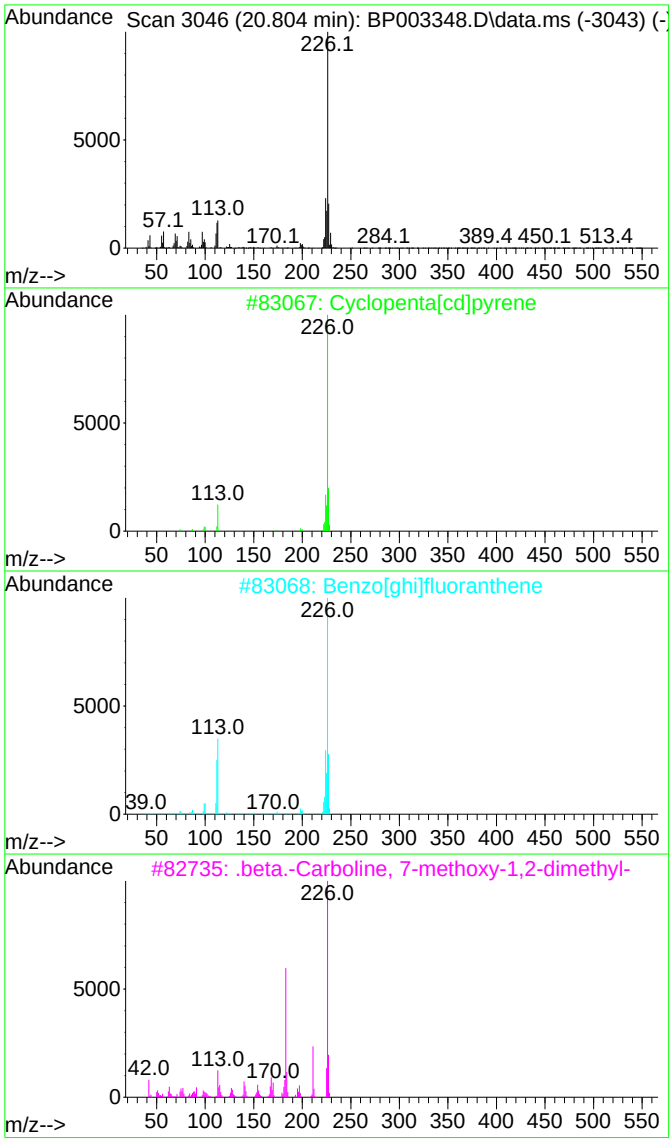
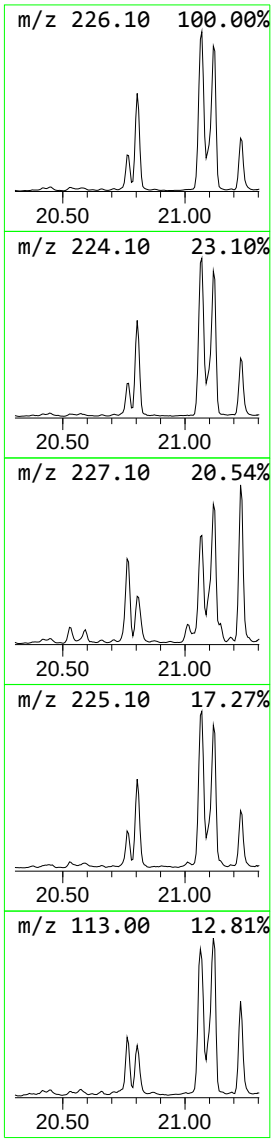
Peak Number 16 Cyclopenta[cd]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.804	3.90 ng	2063240	Chrysene-d12	21.080

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	81
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	64
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	53
4	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	50
5	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	40





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Data File : BP003348.D
Acq On : 22 Sep 2020 20:19
Operator : CG/JU
Sample : L3872-07 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
BU-02-092120

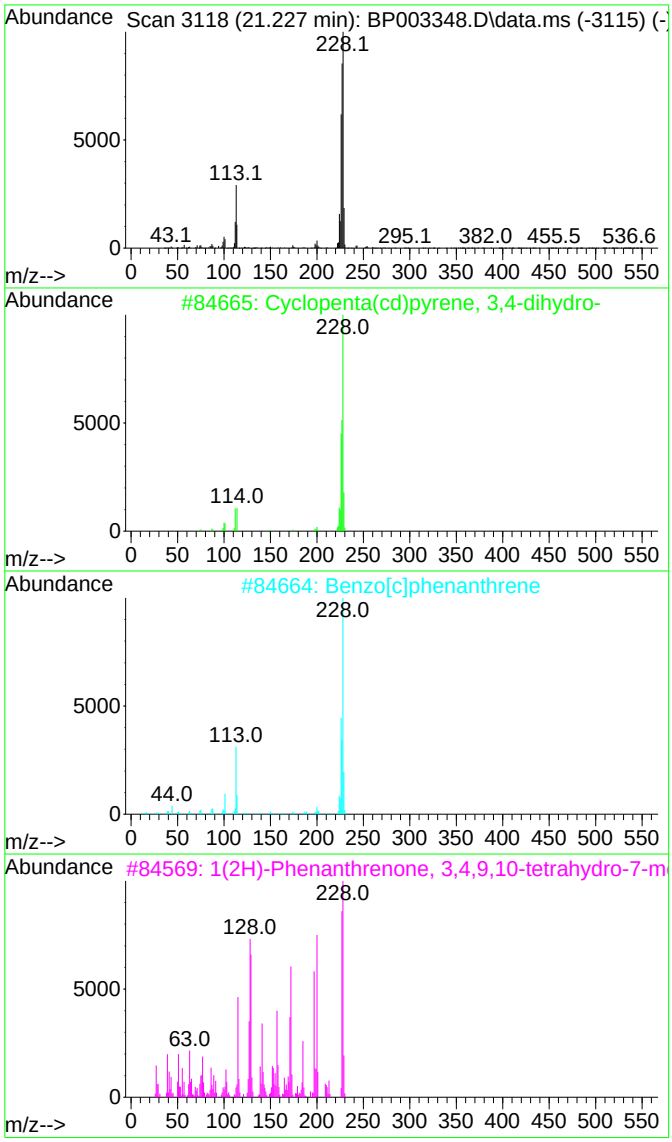
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

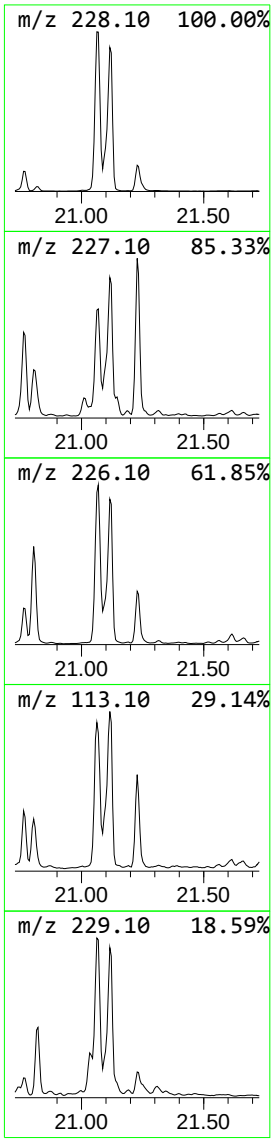
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.227	3.12 ng	1648150	Chrysene-d12	21.080

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	96
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	55
3	1(2H)-Phenanthrenone, 3,4,9,10-t...	228	C15H16O2	014427-61-3	55
4	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
5	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	47





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Data File : BP003348.D
Acq On : 22 Sep 2020 20:19
Operator : CG/JU
Sample : L3872-07 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
BU-02-092120

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

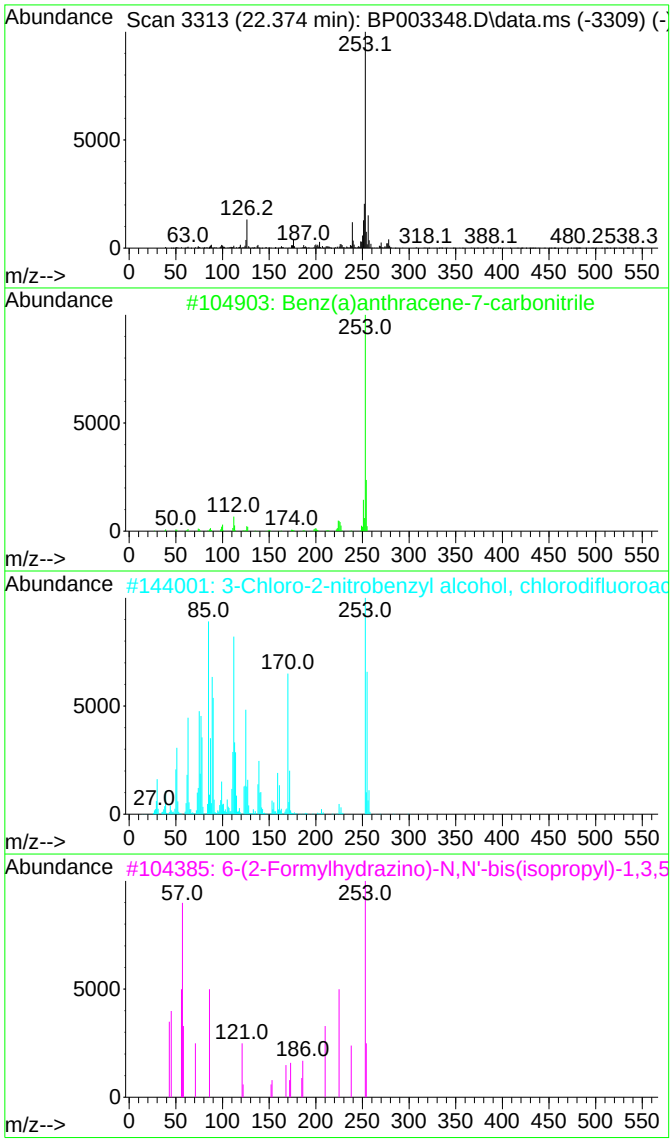
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

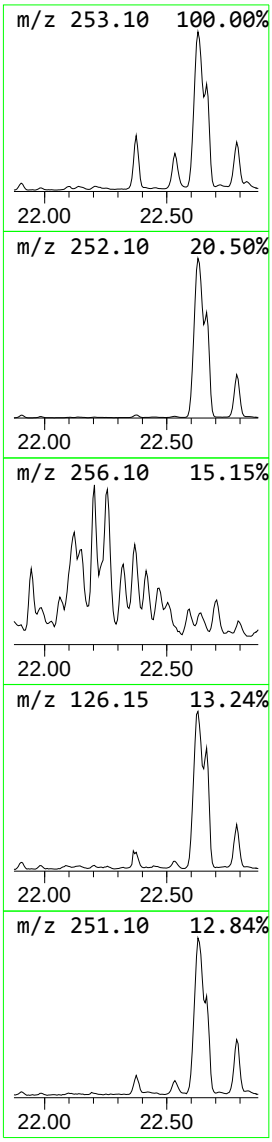
****

Peak Number 18 unknown22.375 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.375	9.85 ng	985522	Perylene-d12	23.280

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	25
2	3-Chloro-2-nitrobenzyl alcohol, ...	299	C9H5Cl2F2NO4	1000376-11-2	23
3	6-(2-Formylhydrazino)-N,N'-bis(i...	253	C10H19N7O	084305-82-8	9
4	2,2-Bis-(4-dimethylamino-phenyl)...	358	C24H26N2O	1000318-51-8	9
5	Stannane, tributylfluoro-	310	C12H27FSn	001983-10-4	9





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Data File : BP003348.D
Acq On : 22 Sep 2020 20:19
Operator : CG/JU
Sample : L3872-07 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
BU-02-092120

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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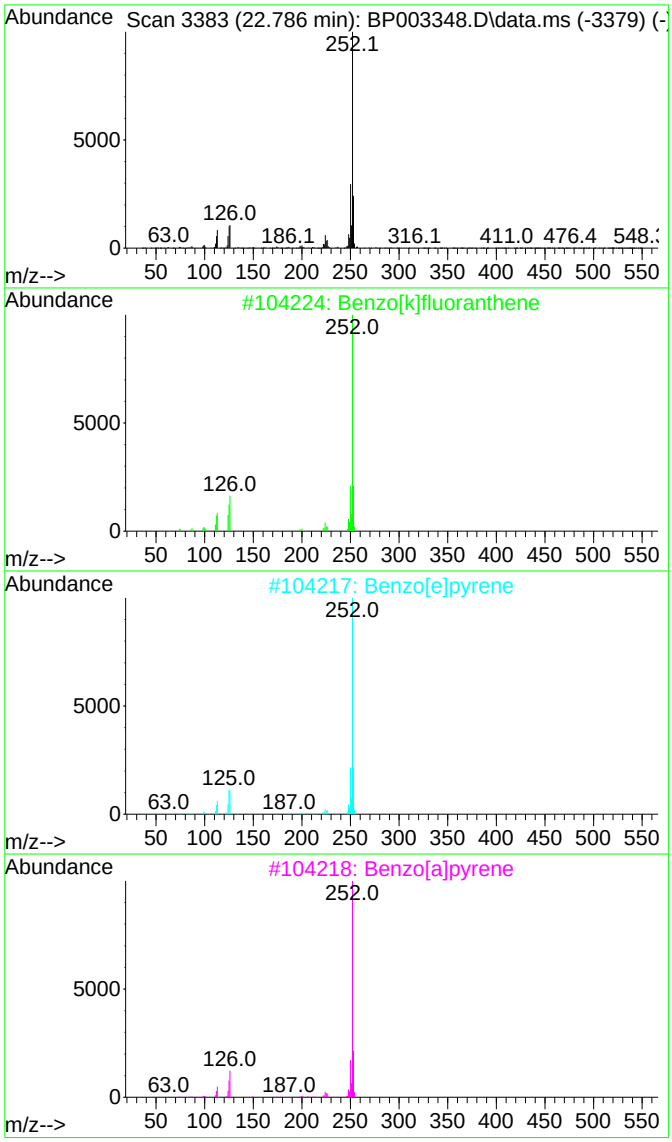
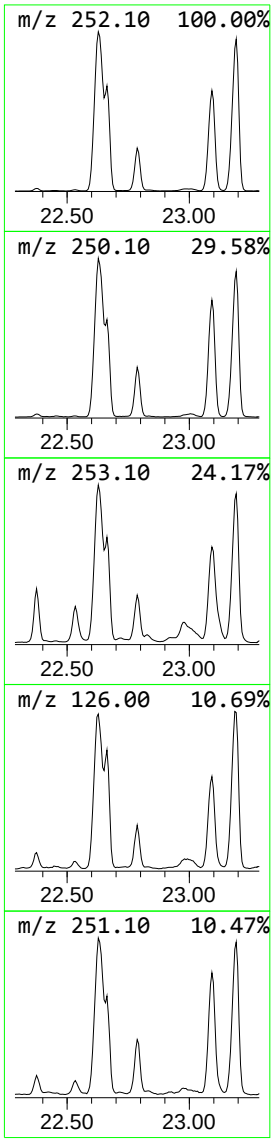
Peak Number 19 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.786	16.41 ng	1641070	Perylene-d12	23.280

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
2	Benzo[e]pyrene	252	C20H12	000192-97-2	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	94
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Perylene	252	C20H12	000198-55-0	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092220\
Data File : BP003348.D
Acq On : 22 Sep 2020 20:19
Operator : CG/JU
Sample : L3872-07 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
BU-02-092120

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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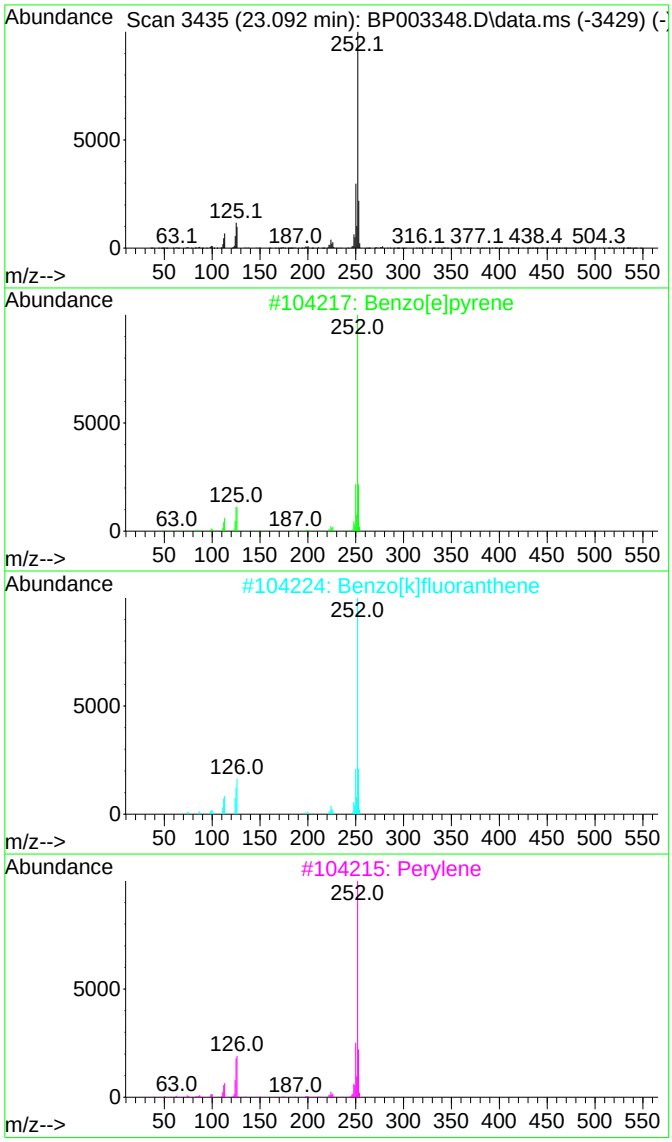
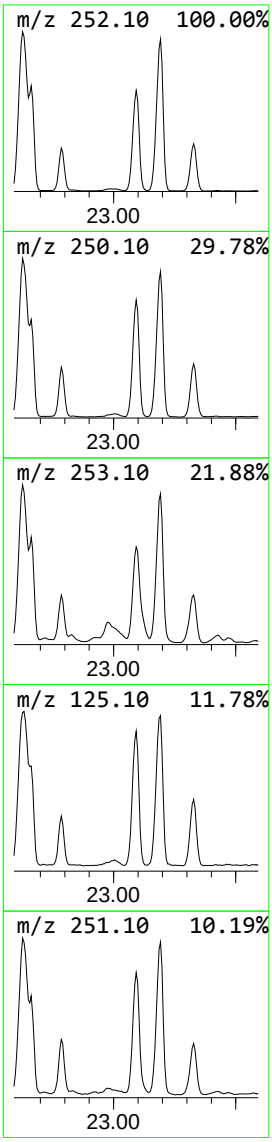
Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.092	52.11 ng	5211900	Perylene-d12	23.280

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	94
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092220\
Data File : BP003348.D
Acq On : 22 Sep 2020 20:19
Operator : CG/JU
Sample : L3872-07 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : BU-02-092120

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
Anthracene, 2-m...	17.851	8.2	ng	1015590	4	16.975	2486190	20.0
Phenanthrene, 1...	17.898	11.6	ng	1442050	4	16.975	2486190	20.0
Phenanthrene, 2...	17.981	6.2	ng	768602	4	16.975	2486190	20.0
4H-Cyclopenta[d...	18.039	20.0	ng	2491550	4	16.975	2486190	20.0
Anthracene, 1-m...	18.075	5.9	ng	729585	4	16.975	2486190	20.0
Naphthalene, 2-...	18.339	6.2	ng	767066	4	16.975	2486190	20.0
9,10-Anthracene...	18.381	3.7	ng	455989	4	16.975	2486190	20.0
di-p-Tolylacety...	18.634	2.9	ng	364860	4	16.975	2486190	20.0
Phenanthrene, 2...	18.751	9.0	ng	1115470	4	16.975	2486190	20.0
unknown18.810	18.810	6.8	ng	846370	4	16.975	2486190	20.0
Cyclopenta(def)...	18.886	8.2	ng	1022080	4	16.975	2486190	20.0
Pyrene, 1-methyl-	19.680	3.6	ng	1927800	5	21.080	10570800	20.0
11H-Benzo[b]flu...	19.839	4.0	ng	2117620	5	21.080	10570800	20.0
Pyrene, 2-methyl-	19.992	3.5	ng	1830950	5	21.080	10570800	20.0
Benzo[b]naphtho...	20.727	3.0	ng	1599760	5	21.080	10570800	20.0
Cyclopenta[cd]p...	20.804	3.9	ng	2063240	5	21.080	10570800	20.0
Cyclopenta(cd)p...	21.227	3.1	ng	1648150	5	21.080	10570800	20.0
unknown22.375	22.375	9.8	ng	985522	6	23.280	2000280	20.0
Perylene	22.786	16.4	ng	1641070	6	23.280	2000280	20.0
Benzo[e]pyrene	23.092	52.1	ng	5211900	6	23.280	2000280	20.0