LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003413.D
Acq On : 29 Sep 2020 23:02
Operator : CG/JU
Sample : L4172-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-7(9-11)

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: BP003413.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.157	380	386	409	rBV	1109709	1775125	7.31%	0.533%
2	6.751	650	657	685	rBV	1057976	1904486	7.85%	0.571%
3	8.692	981	987	1000	rVB	749787	1271087	5.24%	0.381%
4	10.322	1256	1264	1267	rBV	508140	814205	3.35%	0.244%
5	10.375	1267	1273	1283	rVV	2204071	3775912	15.56%	1.133%
6	11.998	1540	1549	1558	rBV	854193	1370446	5.65%	0.411%
7	12.222	1576	1587	1599	rVB	574463	967645	3.99%	0.290%
8	12.816	1681	1688	1698	rBV	1842730	2715541	11.19%	0.815%
9	13.522	1797	1808	1813	rBV	424188	772674	3.18%	0.232%
10	13.916	1869	1875	1889	rVB	1158754	1841995	7.59%	0.553%
11	14.198	1915	1923	1929	rBV3	784573	1359492	5.60%	0.408%
12	14.263	1929	1934	1943	rVV	1563973	2406105	9.91%	0.722%
13	14.604	1983	1992	2001	rVV	1711225	2577969	10.62%	0.773%
14	15.257	2097	2103	2109	rBV	2415222	3461164	14.26%	1.038%
15	15.557	2149	2154	2165	rVB	631348	952635	3.92%	0.286%
16	15.704	2173	2179	2187	rVV	2055990	3247450	13.38%	0.974%
17	16.269	2263	2275	2280	rBV3	441380	1049012	4.32%	0.315%
18	16.621	2330	2335	2342	rVV	1378458	1992875	8.21%	0.598%
19	16.698	2343	2348	2354	rVV2	361358	762853	3.14%	0.229%
20	16.774	2354	2361	2373	rVB	1120118	1916011	7.89%	0.575%
21	16.963	2384	2393	2395	rBV	822941	1294352	5.33%	0.388%
22	17.021	2395	2403	2407	rVV	11100768	19841332	81.74%	5.953%
23	17.104	2411	2417	2421	rVV	4089744	6382386	26.29%	1.915%
24	17.157	2421	2426	2433	rVB	463198	763783	3.15%	0.229%
25	17.368	2452	2462	2467	rBV2	2563770	4301302	17.72%	1.291%
26	17.480	2477	2481	2488	rVV2	382925	576245	2.37%	0.173%
27	17.545	2488	2492	2501	rBV5	390577	689120	2.84%	0.207%
28	17.839	2533	2542	2546	rBV	1904652	2869598	11.82%	0.861%
29	17.886	2546	2550	2556	rVB	2808377	3706022	15.27%	1.112%
30	17.963	2558	2563	2568	rBV	1174270	1661353	6.84%	0.498%
31	18.027	2568	2574	2578	rVV2	3062124	5099999	21.01%	1.530%
32	18.063	2578	2580	2587	rVB	1265259	1478288	6.09%	0.444%
33	18.327	2620	2625	2629	rVV	1547805	2075318	8.55%	0.623%
34	18.374	2629	2633	2638	rVV	1243071	1627389	6.70%	0.488%
35	18.568	2658	2666	2670	rBV4	431589	745455	3.07%	0.224%
36	18.615	2670	2674	2677	rVV2	473880	594849	2.45%	0.178%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003413.D
Acq On : 29 Sep 2020 23:02
Operator : CG/JU
Sample : L4172-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-7(9-11)

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	18.733	2689	2694	2699	rVV2	851426	1520613	6.26%	0.456%
38	18.798	2699	2705	2708	rVV4	636081	1307898	5.39%	0.392%
39	18.880	2713	2719	2726	rVB2	1182127	2012095	8.29%	0.604%
40	19.010	2732	2741	2746	rVB	12298261	23500569	96.82%	7.051%
41	19.092	2752	2755	2759	rVB2	539016	667320	2.75%	0.200%
42	19.139	2759	2763	2767	rVB	707192	862644	3.55%	0.259%
43	19.221	2767	2777	2782	rBV3	885069	2104005	8.67%	0.631%
44	19.362	2790	2801	2806	rBV2	10684105	24272728	100.00%	7.283%
45	19.415	2806	2810	2817	rVB2	1035750	1625961	6.70%	0.488%
46	19.521	2823	2828	2829	rBV	1481440	1755196	7.23%	0.527%
47	19.545	2829	2832	2835	rVV	3096720	3903062	16.08%	1.171%
48	19.580	2835	2838	2843	rVB	1540967	2045870	8.43%	0.614%
49	19.674	2846	2854	2858	rBV3	1304168	3212997	13.24%	0.964%
50	19.715	2858	2861	2864	rVB	745043	841201	3.47%	0.252%
51	19.792	2869	2874	2877	rBV4	1121637	2027268	8.35%	0.608%
52	19.833	2877	2881	2885	rVB	3003442	4073828	16.78%	1.222%
53	19.927	2893	2897	2901	rBV	2211346	2802590	11.55%	0.841%
54	19.986	2901	2907	2910	rVV2	1874948	3223127	13.28%	0.967%
55	20.021	2910	2913	2917	rVB2	640241	834787	3.44%	0.250%
56	20.062	2917	2920	2925	rVB2	496562	613337	2.53%	0.184%
57	20.121	2925	2930	2933	rBV	881067	1170508	4.82%	0.351%
58	20.162	2933	2937	2941	rVB3	986240	1305843	5.38%	0.392%
59	20.280	2954	2957	2961	rVB2	558542	680242	2.80%	0.204%
60	20.380	2969	2974	2976	rBV3	367527	619427	2.55%	0.186%
61	20.439	2981	2984	2988	rVV2	660476	924152	3.81%	0.277%
62	20.527	2995	2999	3002	rBV	394064	618227	2.55%	0.185%
63	20.568	3002	3006	3011	rVB	2347725	2956077	12.18%	0.887%
64	20.721	3026	3032	3035	rBV2	2540002	3875119	15.96%	1.163%
65	20.757	3035	3038	3042	rVV	2185490	2862917	11.79%	0.859%
66	20.798	3042	3045	3052	rVV3	2240948	4277103	17.62%	1.283%
67	20.862	3052	3056	3064	rVB	2854890	3919548	16.15%	1.176%
68	20.957	3065	3072	3080	rBV	714267	1766559	7.28%	0.530%
69	21.068	3080	3091	3095	rBV2	10141896	19741535	81.33%	5.923%
70	21.121	3095	3100	3107	rVB	8097864	12371790	50.97%	3.712%
71	21.227	3114	3118	3123	rVV	2321158	3025268	12.46%	0.908%
72	21.280	3123	3127	3130	rVV4	721344	1299662	5.35%	0.390%
73	21.327	3132	3135	3139	rVB	1471814	1912989	7.88%	0.574%
74	21.374	3139	3143	3148	rBV2	2202879	3171128	13.06%	0.951%
75	21.427	3148	3152	3155	rBV3	563987	720300	2.97%	0.216%
76	21.551	3169	3173	3177	rVV2	898000	1235133	5.09%	0.371%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003413.D
Acq On : 29 Sep 2020 23:02
Operator : CG/JU
Sample : L4172-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-7(9-11)

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	21.609	3177	3183	3187	rVB	2002503	3019910	12.44%	0.906%
78	21.656	3187	3191	3197	rVB2	993338	1465835	6.04%	0.440%
79	21.721	3198	3202	3205	rBV2	584970	706519	2.91%	0.212%
80	21.756	3205	3208	3212	rVB2	639831	844837	3.48%	0.253%
81	21.804	3212	3216	3219	rBV	1114302	1745146	7.19%	0.524%
82	21.892	3227	3231	3236	rVB2	962451	1423553	5.86%	0.427%
83	22.086	3260	3264	3269	rBV3	940472	1726951	7.11%	0.518%
84	22.368	3306	3312	3317	rBV2	1075076	2084454	8.59%	0.625%
85	22.633	3347	3357	3361	rBV2	6296021	17109486	70.49%	5.133%
86	22.721	3368	3372	3377	rVB2	448082	839669	3.46%	0.252%
87	22.786	3377	3383	3388	rBV	2036988	3149372	12.97%	0.945%
88	22.909	3399	3404	3412	rBV2	688404	2055666	8.47%	0.617%
89	22.992	3413	3418	3427	rVV6	561239	2158865	8.89%	0.648%
90	23.092	3428	3435	3444	rVV	3772693	8794009	36.23%	2.638%
91	23.198	3444	3453	3459	rVV	5617458	11765296	48.47%	3.530%
92	23.274	3460	3466	3469	rVV2	919478	1871732	7.71%	0.562%
93	23.321	3469	3474	3482	rVB2	2303597	4975577	20.50%	1.493%
94	23.803	3553	3556	3564	rVB3	360316	752734	3.10%	0.226%
95	24.127	3607	3611	3617	rVB	378444	688559	2.84%	0.207%
96	25.527	3837	3849	3856	rVB2	3165404	9992343	41.17%	2.998%
97	25.603	3858	3862	3874	rVB	325922	751368	3.10%	0.225%
98	25.756	3882	3888	3895	rVB2	675370	1679845	6.92%	0.504%
99	26.215	3953	3966	3980	rVB	2286118	8265950	34.05%	2.480%
100	26.556	4016	4024	4041	rVB2	864803	3128136	12.89%	0.939%

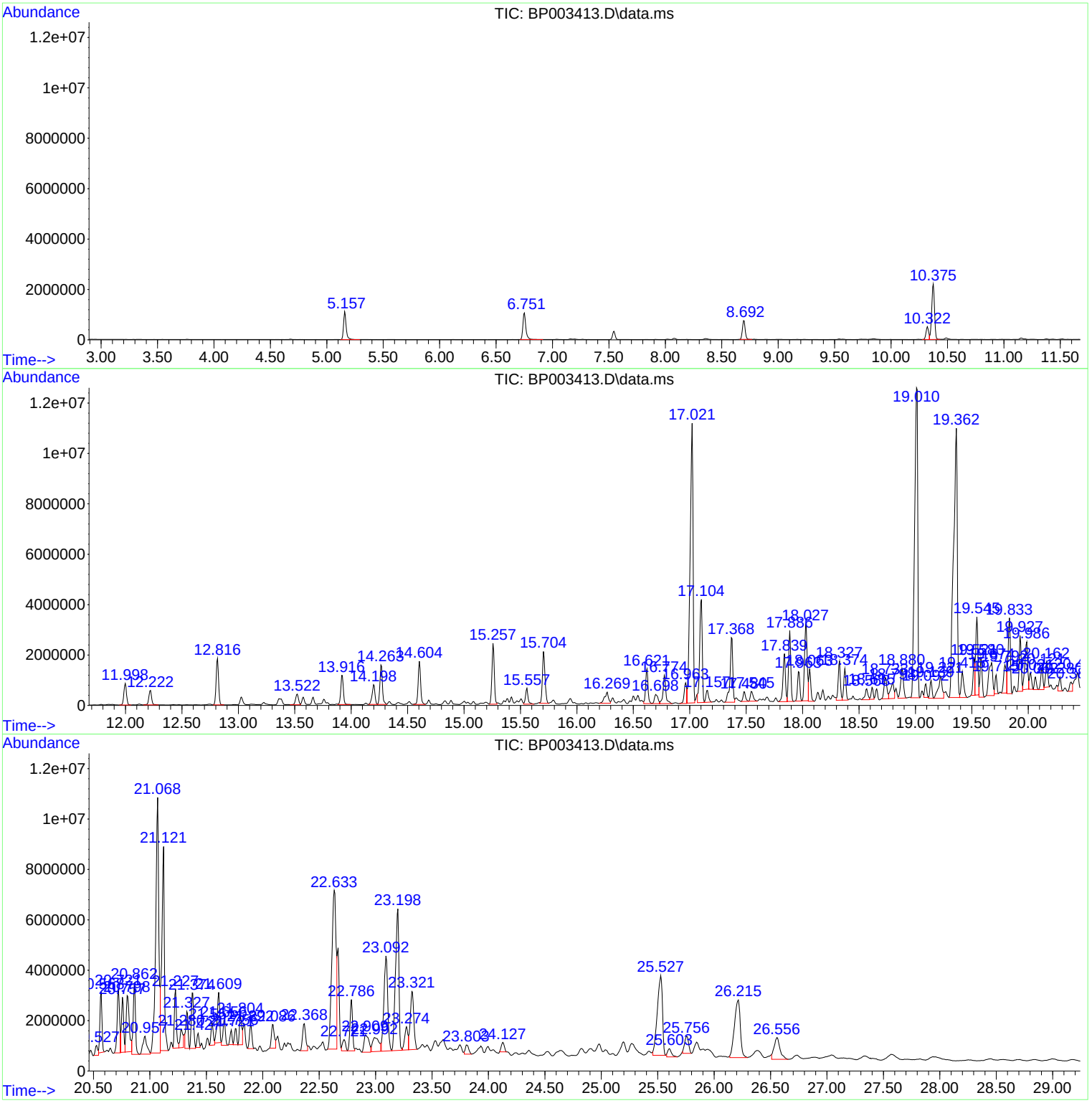
Sum of corrected areas: 333297908

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003413.D
Acq On : 29 Sep 2020 23:02
Operator : CG/JU
Sample : L4172-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-7(9-11)

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\BP092920\
Data File : BP003413.D
Acq On : 29 Sep 2020 23:02
Operator : CG/JU
Sample : L4172-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-7(9-11)

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

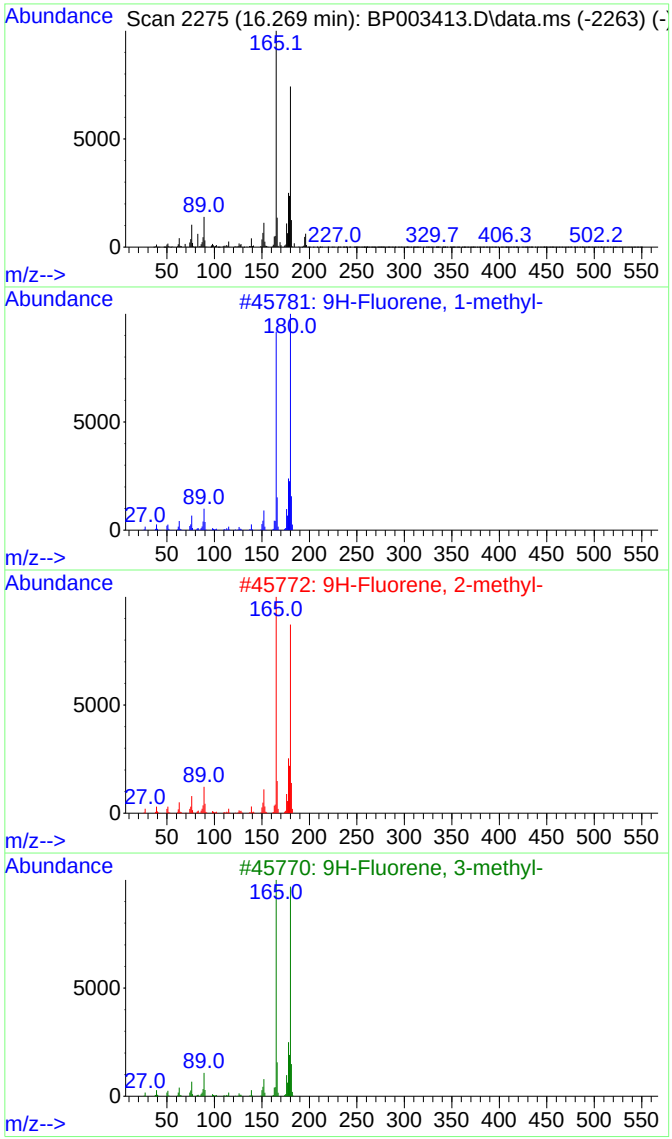
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

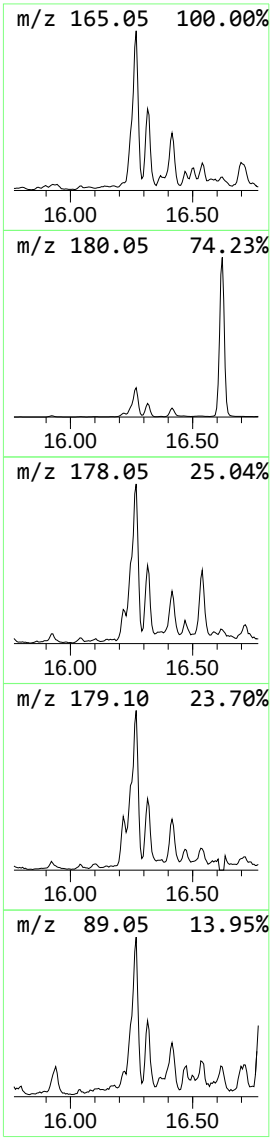
****

Peak Number 1 9H-Fluorene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.269	16.21 ng	1049010	Phenanthrene-d10	16.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	94
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003413.D
Acq On : 29 Sep 2020 23:02
Operator : CG/JU
Sample : L4172-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-7(9-11)

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

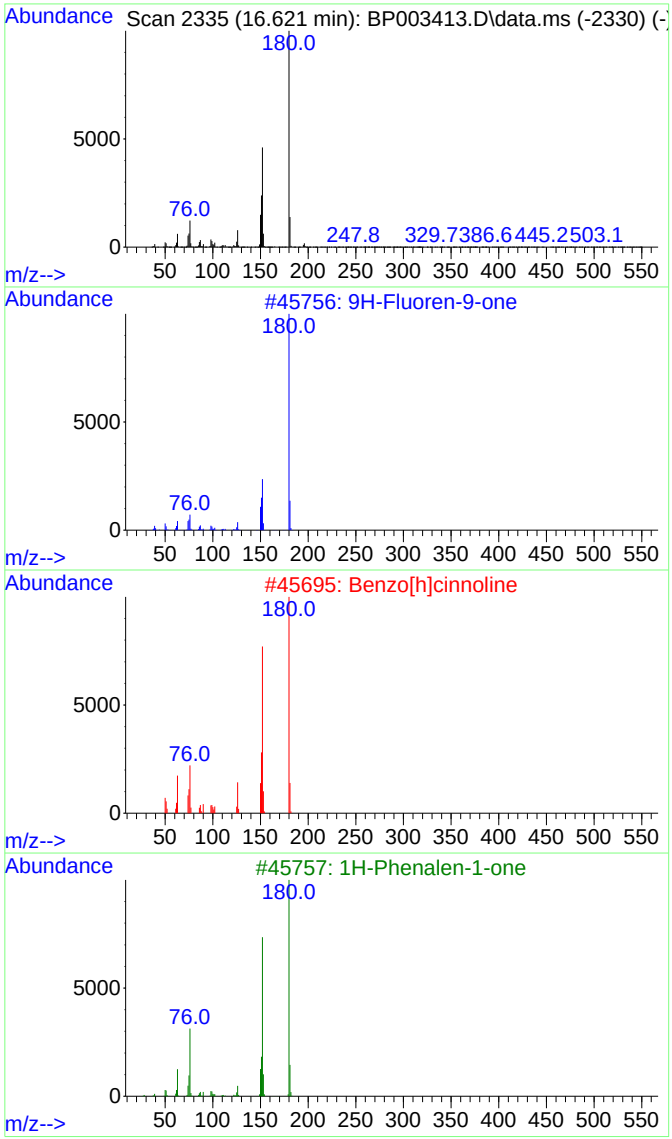
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

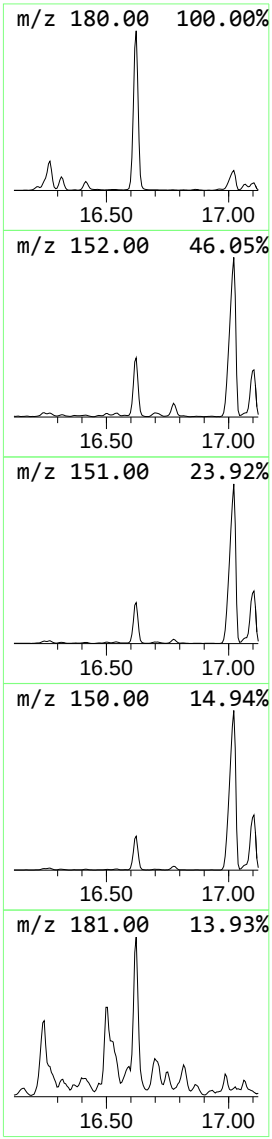
****

Peak Number 2 9H-Fluoren-9-one Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.621	30.79 ng	1992880	Phenanthrene-d10	16.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
4	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	50
5	5-Methoxy-4-methyl-2,1,3-benzoth...	180	C8H8N2OS	089976-68-1	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003413.D
Acq On : 29 Sep 2020 23:02
Operator : CG/JU
Sample : L4172-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-7(9-11)

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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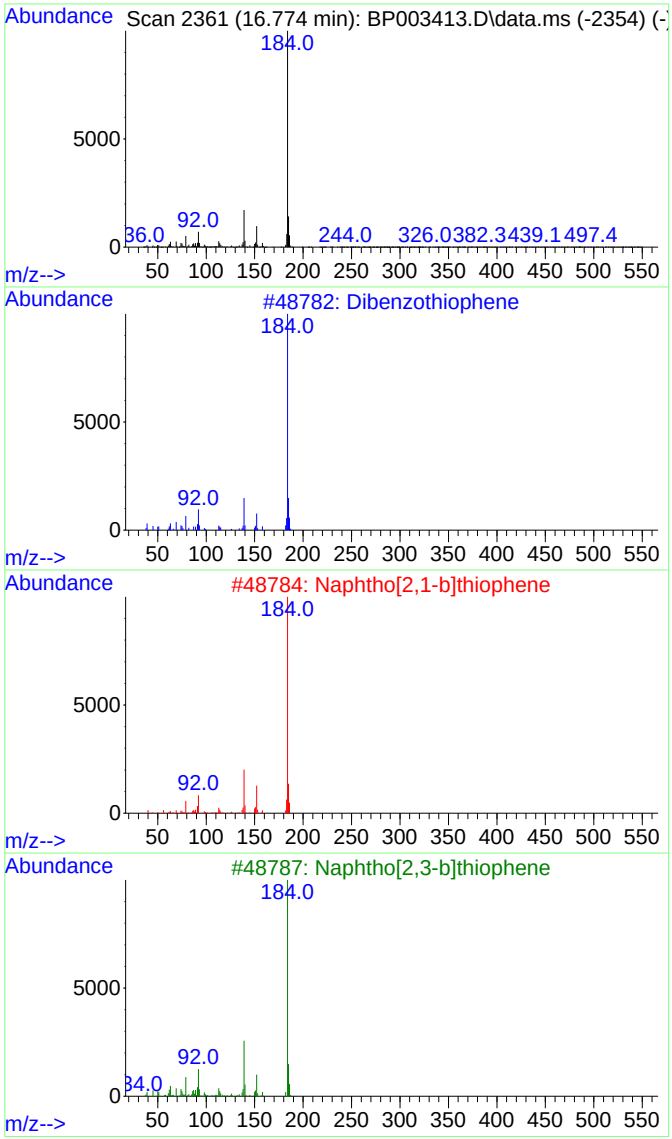
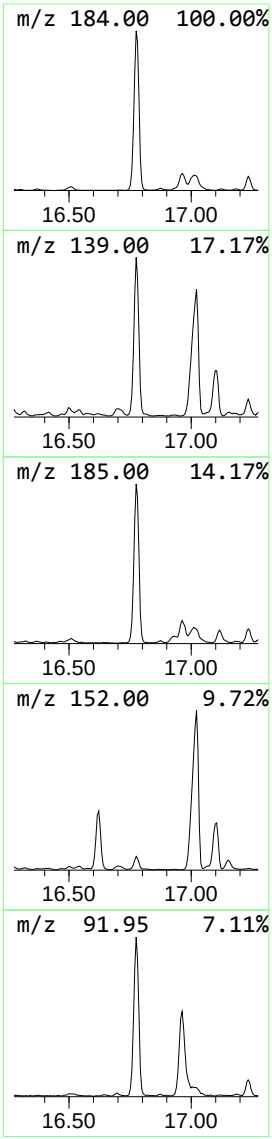
Peak Number 3 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.774	29.61 ng	1916010	Phenanthrene-d10	16.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003413.D
Acq On : 29 Sep 2020 23:02
Operator : CG/JU
Sample : L4172-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-7(9-11)

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

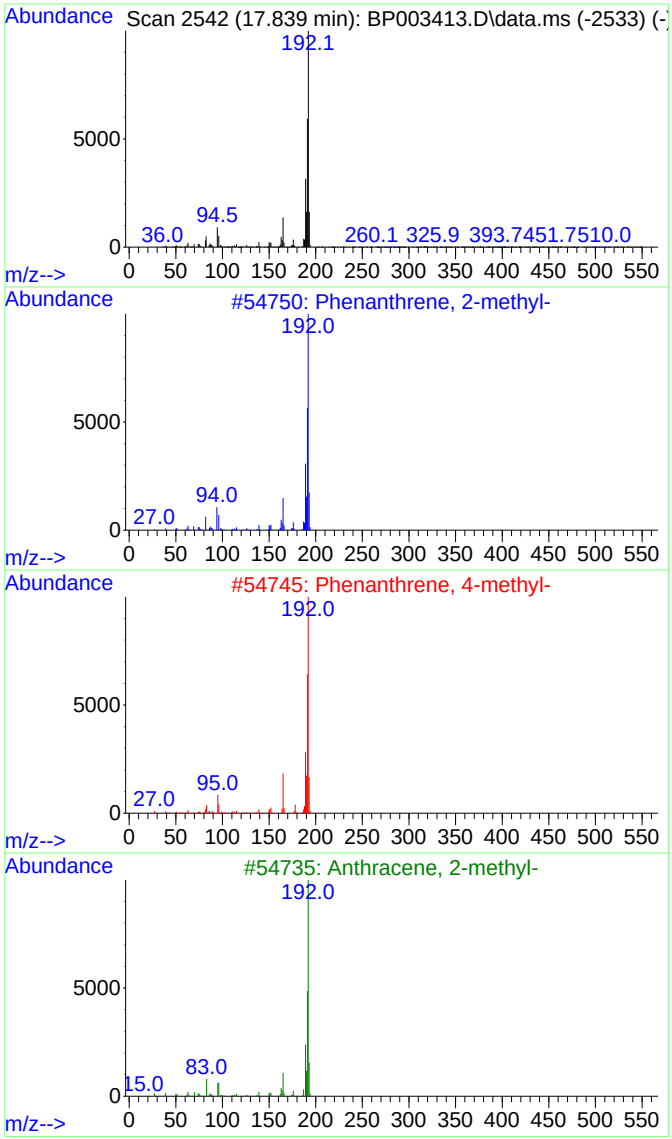
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

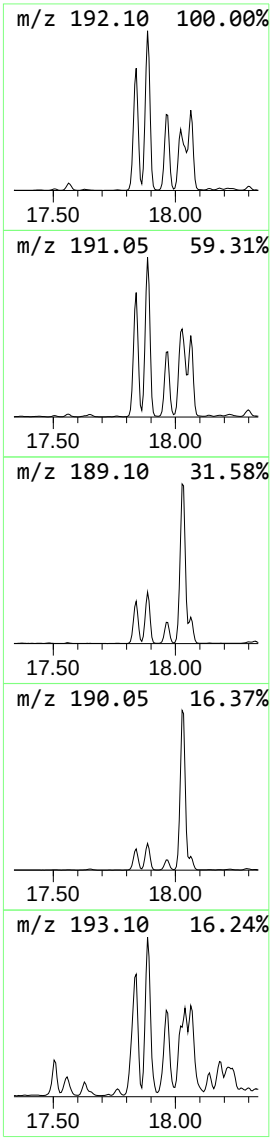
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.839	44.34 ng	2869600	Phenanthrene-d10	16.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003413.D
Acq On : 29 Sep 2020 23:02
Operator : CG/JU
Sample : L4172-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-7(9-11)

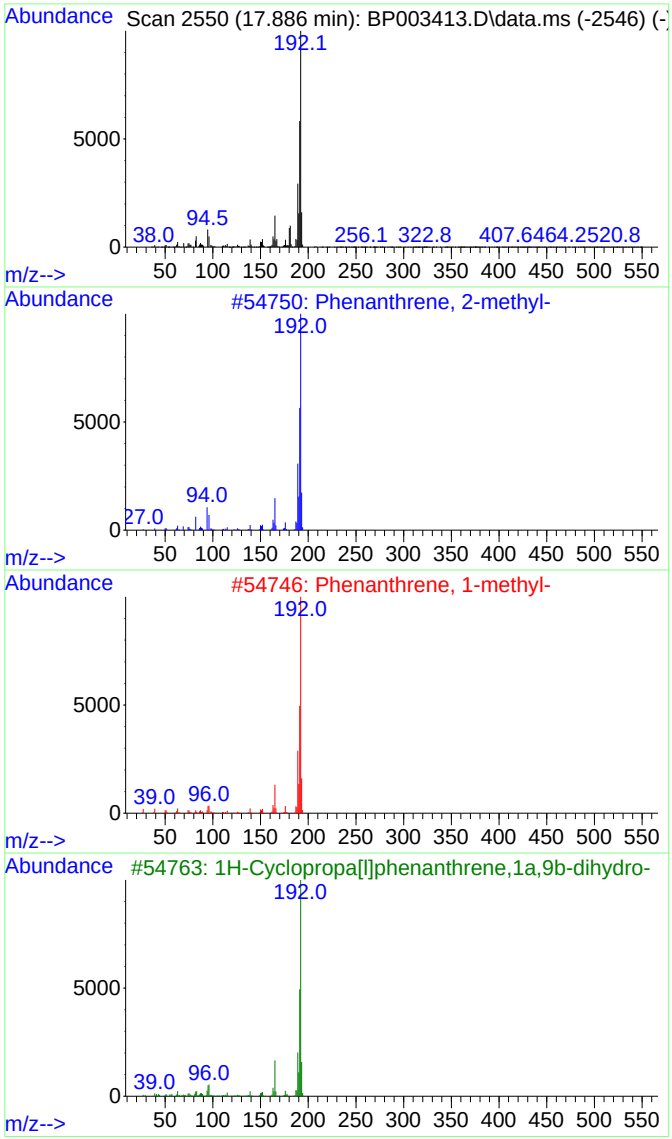
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

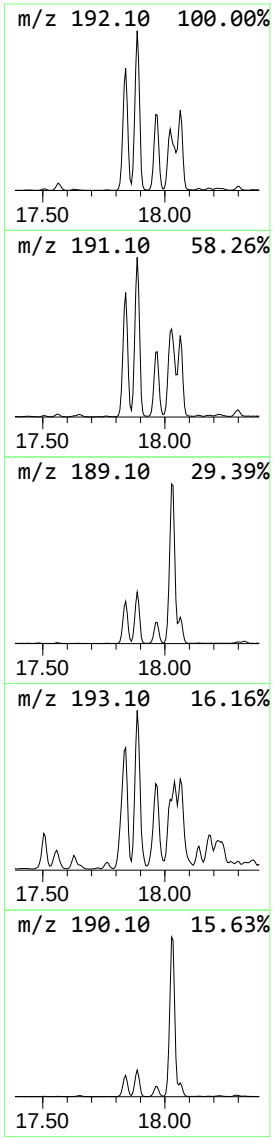
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.886	57.26 ng	3706020	Phenanthrene-d10	16.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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Data File : BP003413.D
Acq On : 29 Sep 2020 23:02
Operator : CG/JU
Sample : L4172-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-7(9-11)

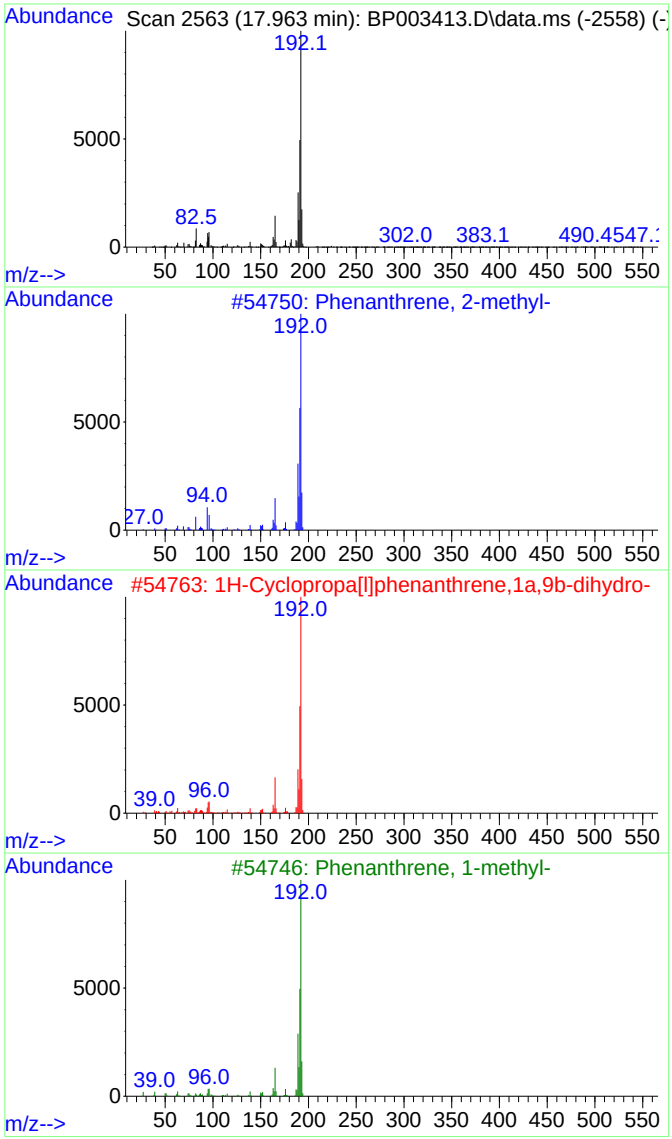
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

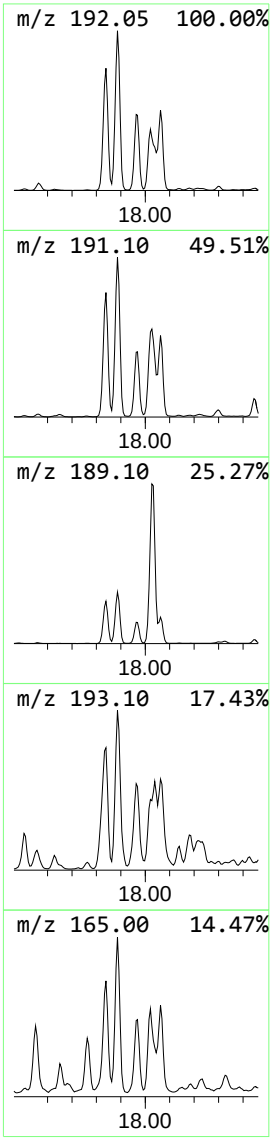
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.963	25.67 ng	1661350	Phenanthrene-d10	16.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





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Operator : CG/JU
Sample : L4172-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-7(9-11)

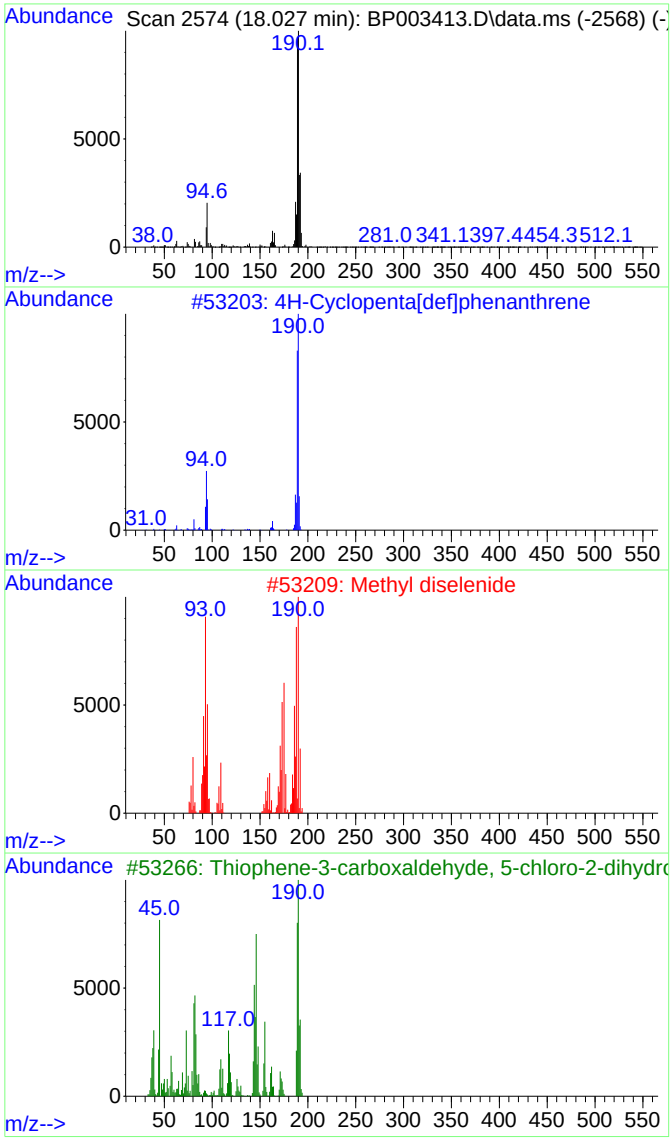
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

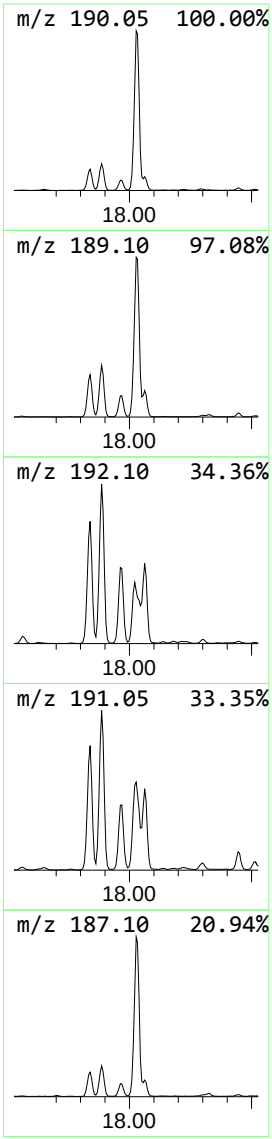
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.027	78.80 ng	5100000	Phenanthrene-d10	16.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Methyl diselenide	190	C2H6Se2	007101-31-7	55
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50





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Acq On : 29 Sep 2020 23:02
Operator : CG/JU
Sample : L4172-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-7(9-11)

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

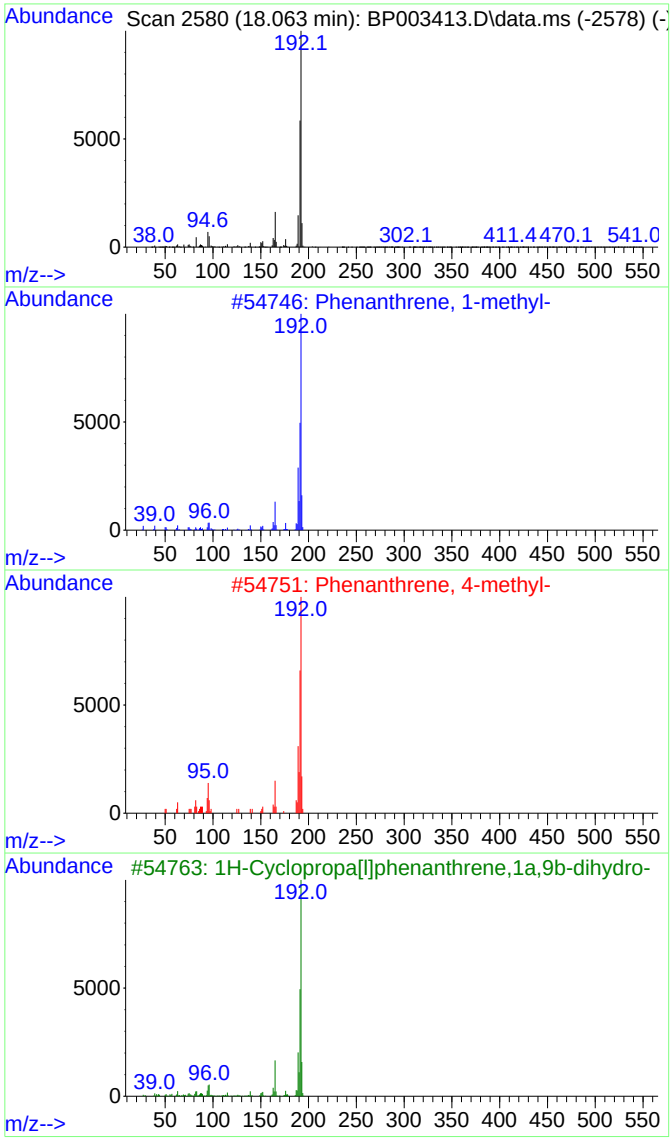
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

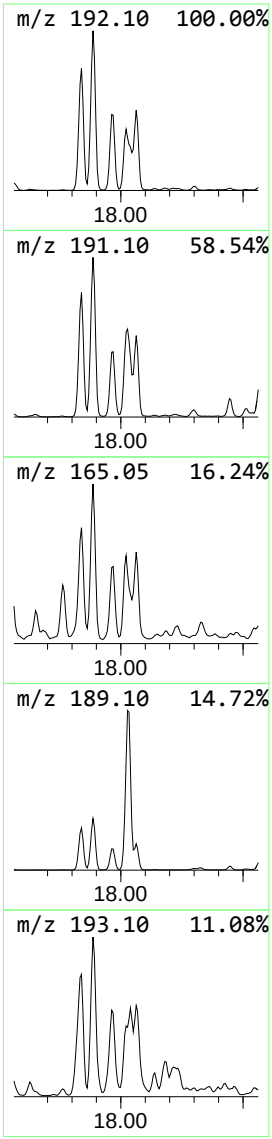
****

Peak Number 8 Phenanthrene, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.063	22.84 ng	1478290	Phenanthrene-d10	16.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
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Acq On : 29 Sep 2020 23:02
Operator : CG/JU
Sample : L4172-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-7(9-11)

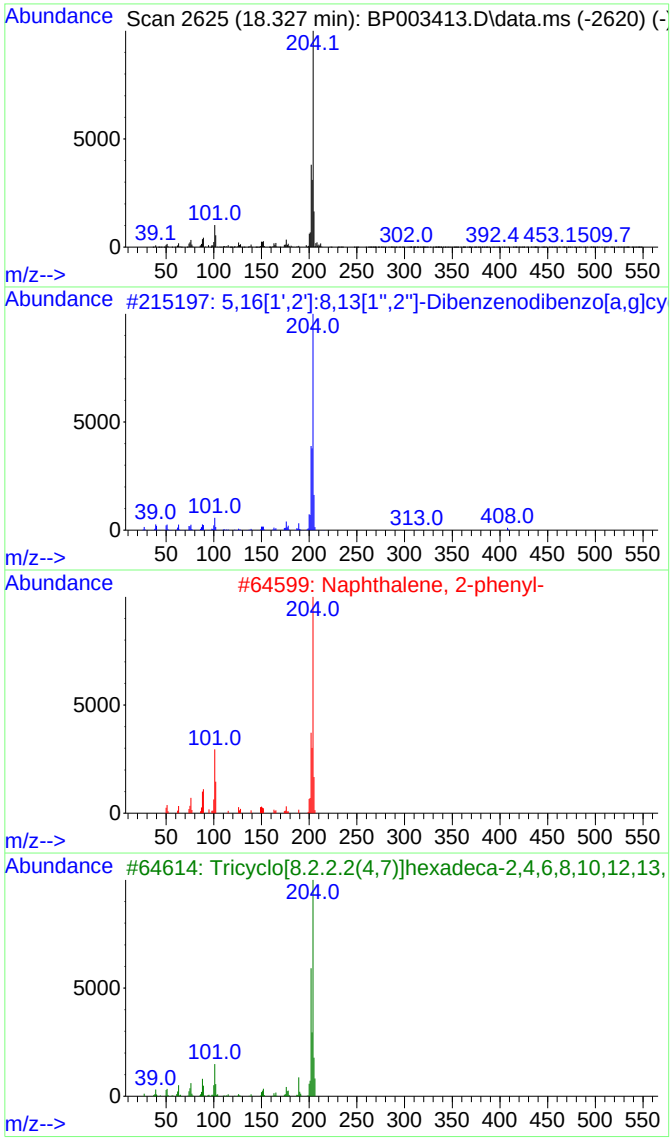
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

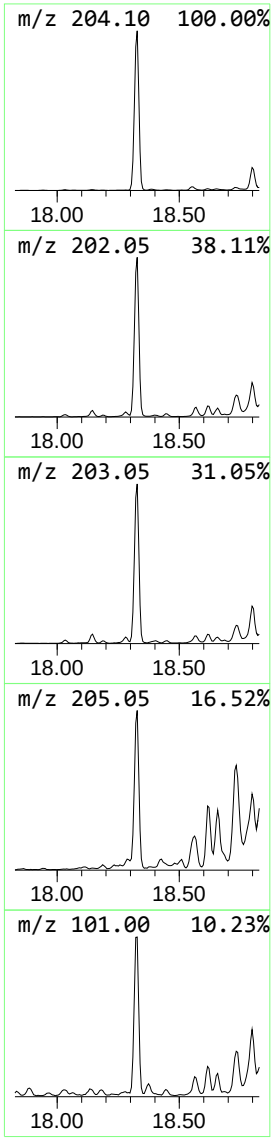
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.327	32.07 ng	2075320	Phenanthrene-d10	16.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5	Levamisole	204	C11H12N2S	014769-73-4	49





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Data File : BP003413.D
Acq On : 29 Sep 2020 23:02
Operator : CG/JU
Sample : L4172-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-7(9-11)

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

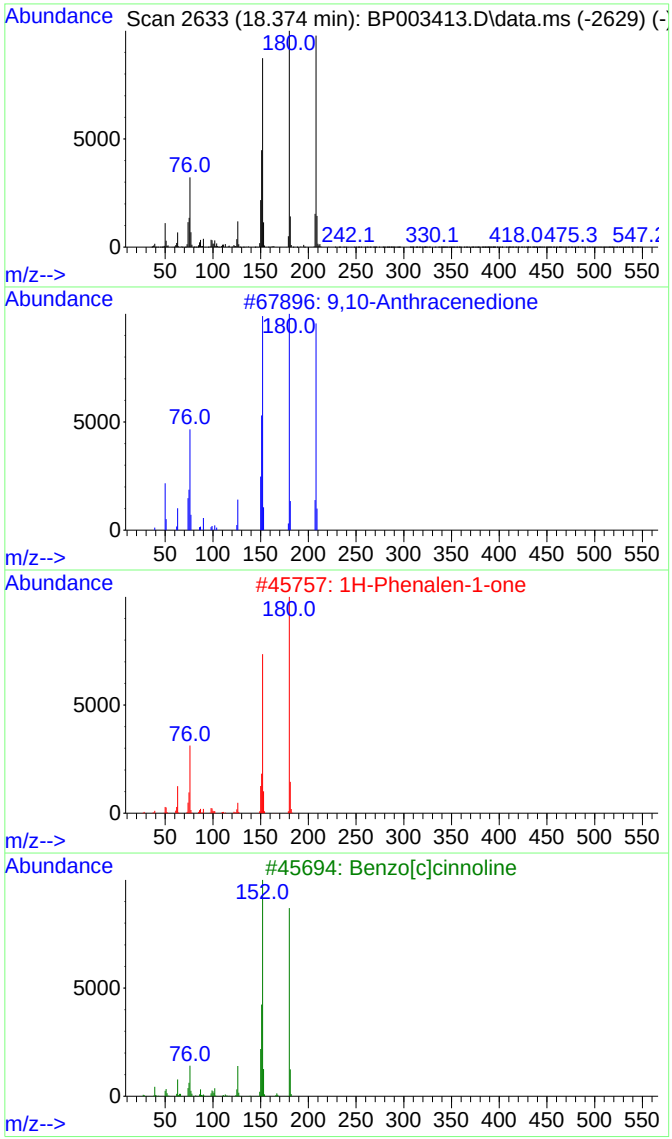
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

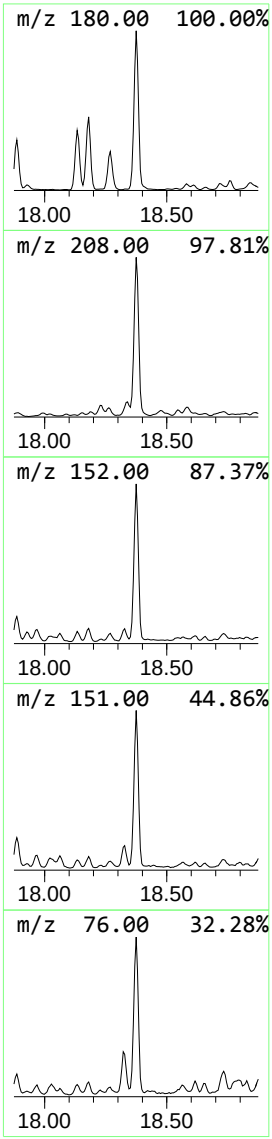
****

Peak Number 10 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.374	25.15 ng	1627390	Phenanthrene-d10	16.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	83
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	58





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Data File : BP003413.D
Acq On : 29 Sep 2020 23:02
Operator : CG/JU
Sample : L4172-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-7(9-11)

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

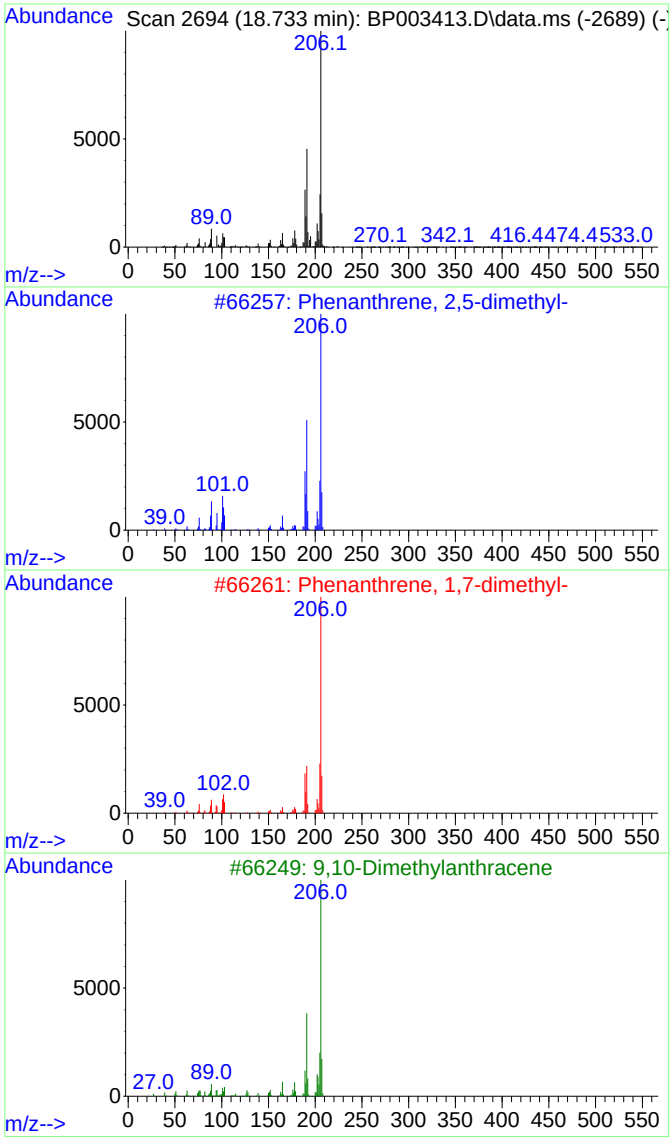
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

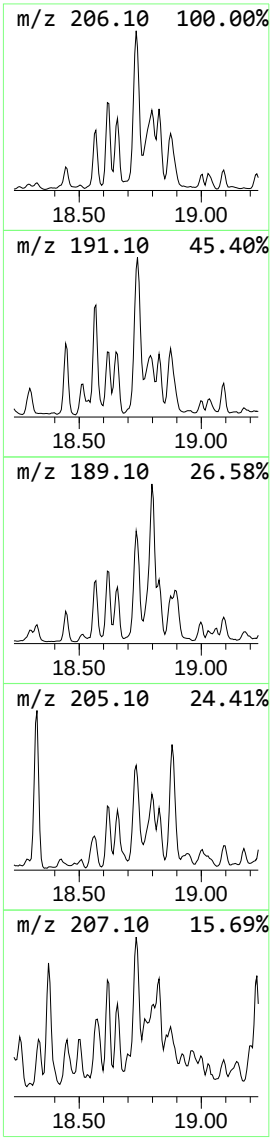
****

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.733	23.50 ng	1520610	Phenanthrene-d10	16.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93





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Data File : BP003413.D
Acq On : 29 Sep 2020 23:02
Operator : CG/JU
Sample : L4172-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-7(9-11)

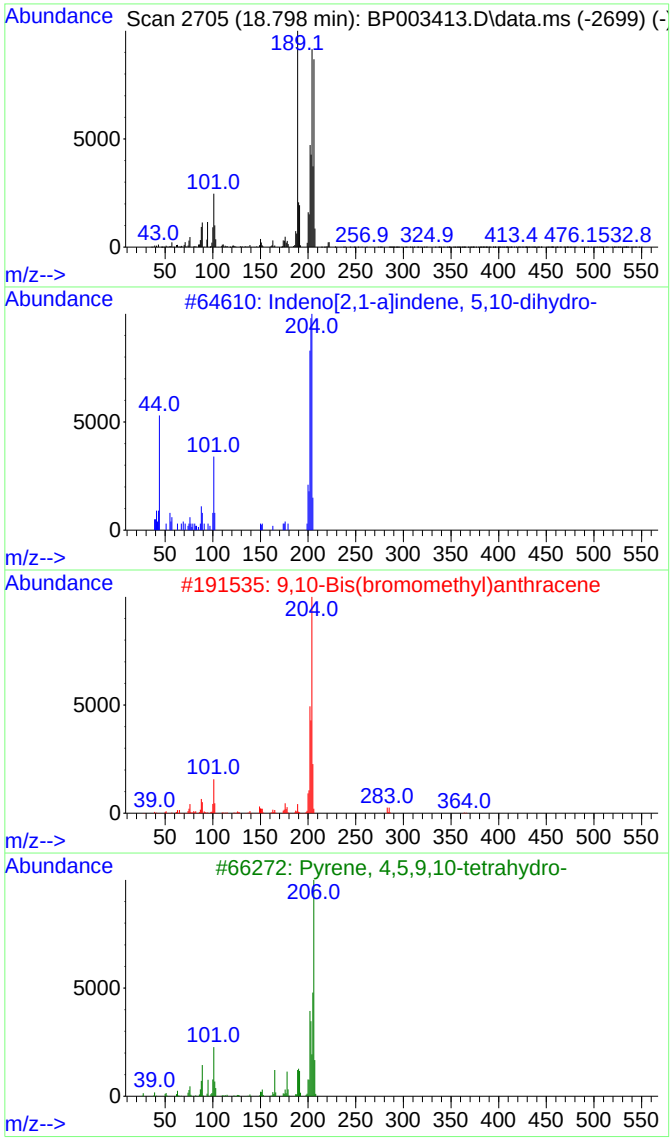
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

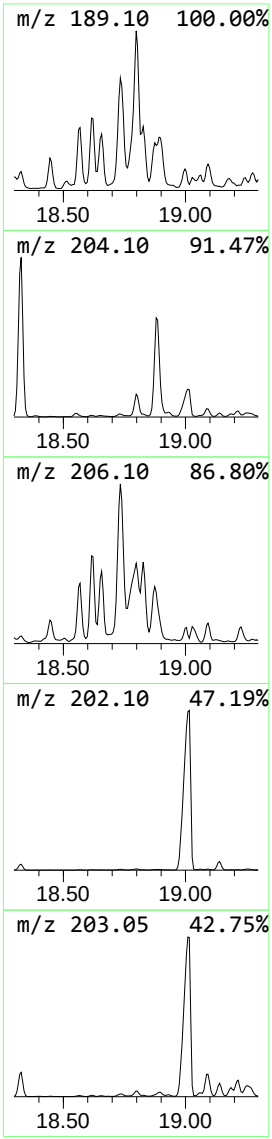
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 unknown18.798 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.798	20.21 ng	1307900	Phenanthrene-d10	16.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	47
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	30
4	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	27
5	2-Isopropenyl-4a,8-dimethyl-1,2,...	204	C15H24	1000193-57-0	27





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Acq On : 29 Sep 2020 23:02
Operator : CG/JU
Sample : L4172-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-7(9-11)

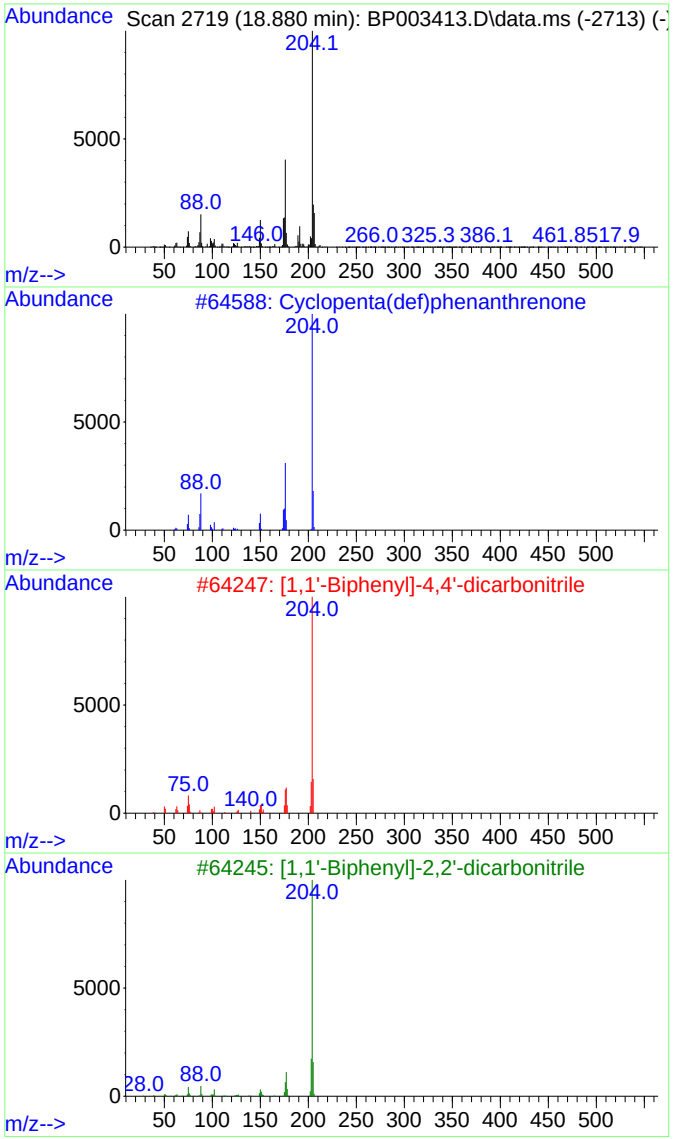
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

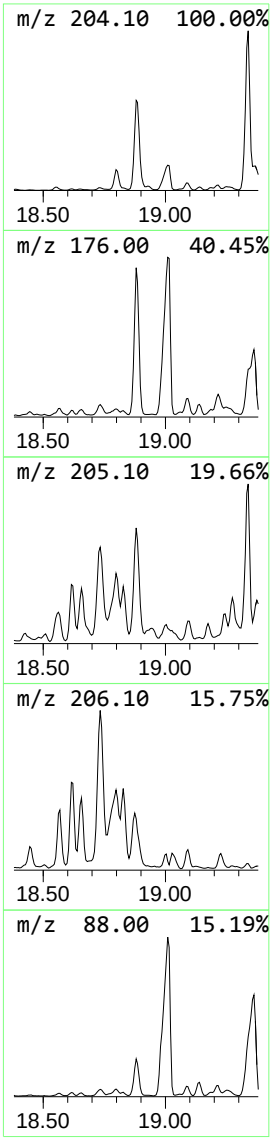
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.880	31.09 ng	2012100	Phenanthrene-d10	16.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
4	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	43
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43





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Operator : CG/JU
Sample : L4172-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-7(9-11)

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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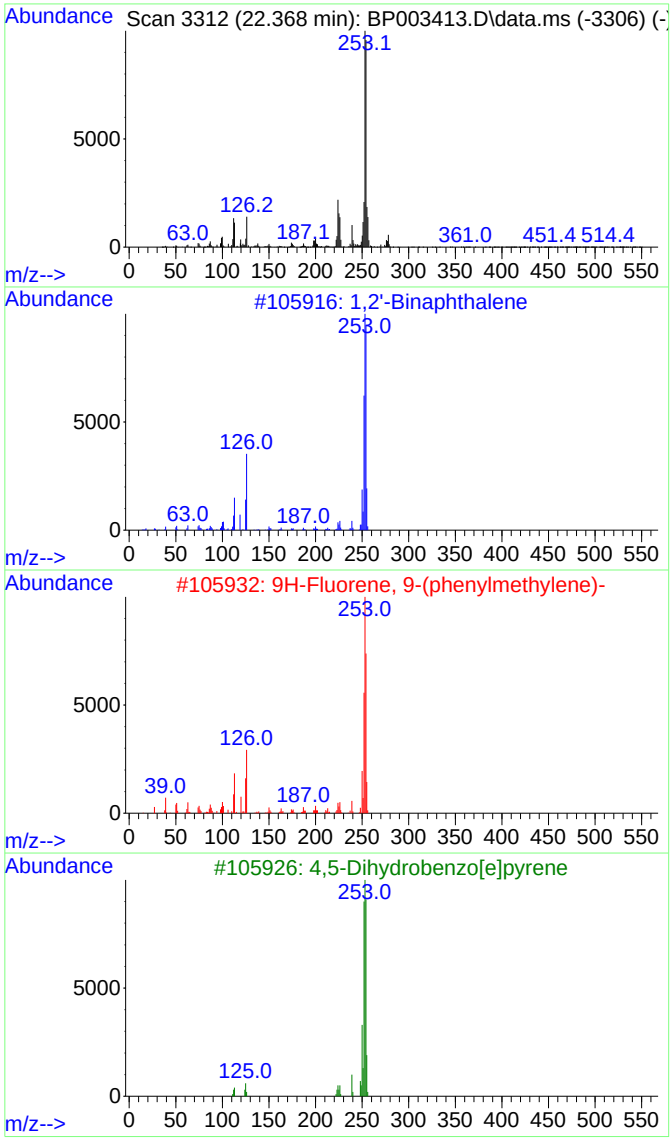
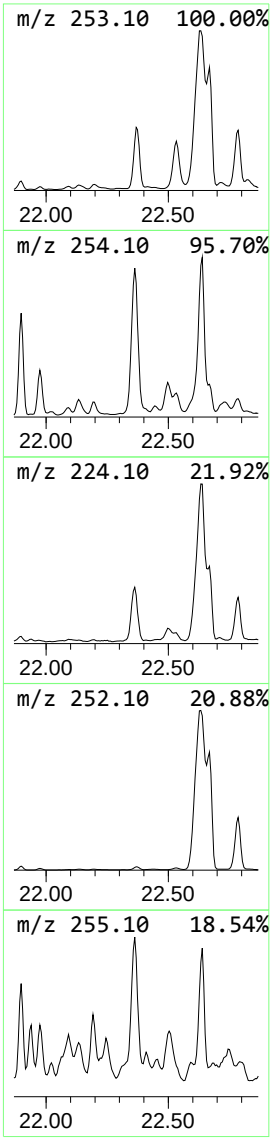
Peak Number 14 1,2'-Binaphthalene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.368	22.27 ng	2084450	Perylene-d12	23.274

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2'-Binaphthalene	254	C20H14	004325-74-0	68
2	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	68
3	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	64
4	1,1'-Binaphthalene	254	C20H14	000604-53-5	58
5	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	58





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Operator : CG/JU
Sample : L4172-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-7(9-11)

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

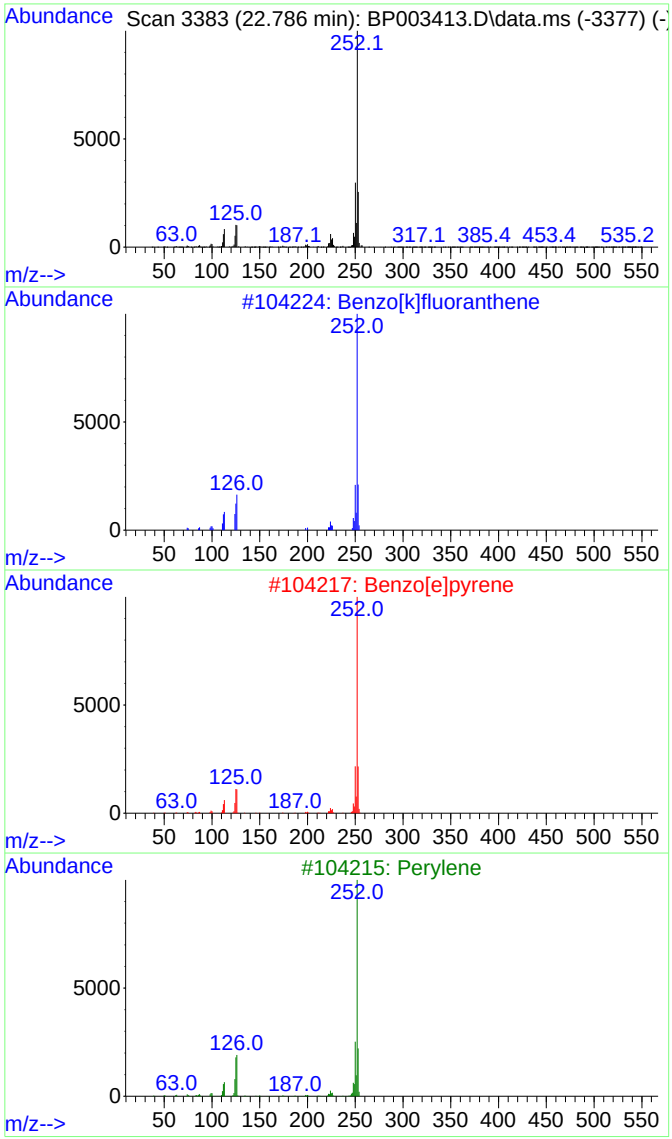
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

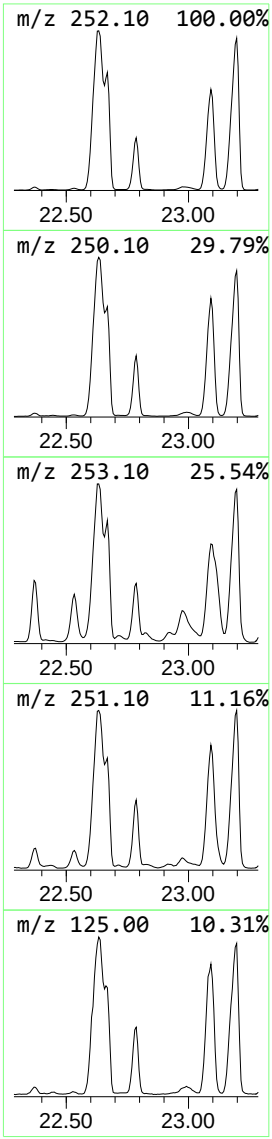
****

Peak Number 15 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.786	33.65 ng	3149370	Perylene-d12	23.274

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	97
3	Perylene	252	C20H12	000198-55-0	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	81





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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-7(9-11)

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

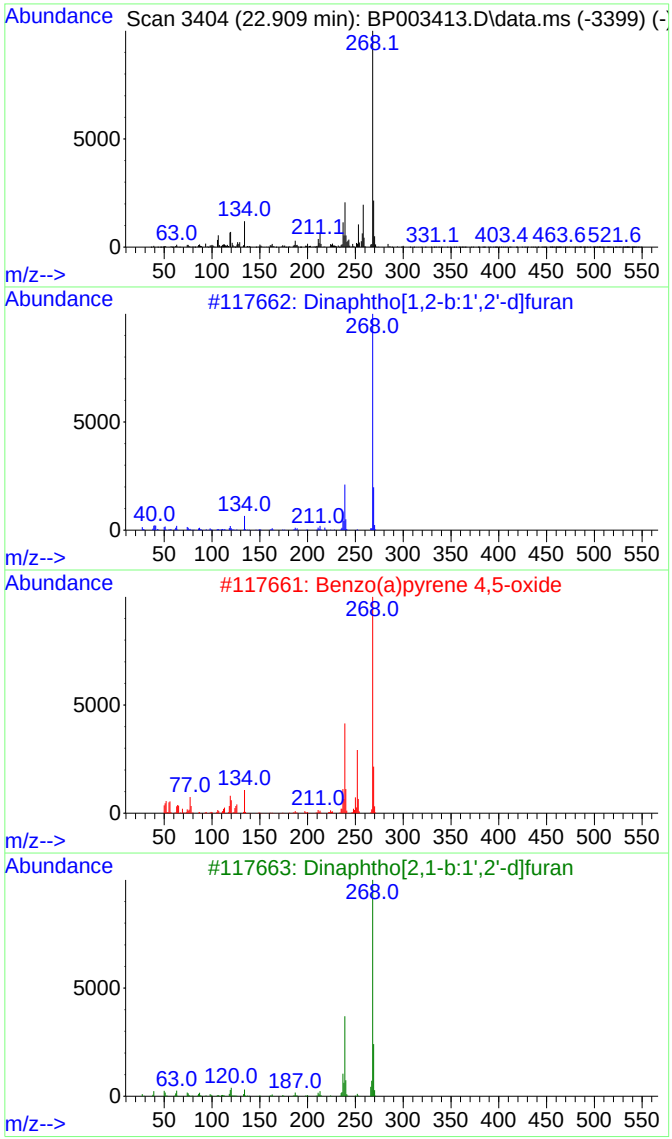
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

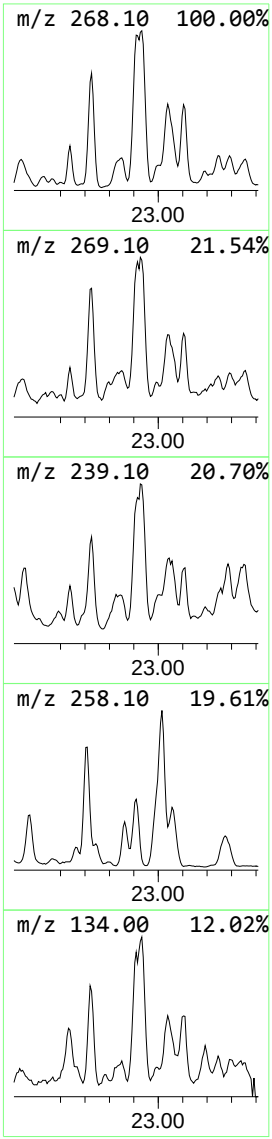
****

Peak Number 16 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.909	21.97 ng	2055670	Perylene-d12	23.274

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	93
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	87
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	68
4	Naphthalene, 1-(2-naphthalenylme...	268	C21H16	000611-48-3	53
5	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	52





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Data File : BP003413.D
Acq On : 29 Sep 2020 23:02
Operator : CG/JU
Sample : L4172-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-7(9-11)

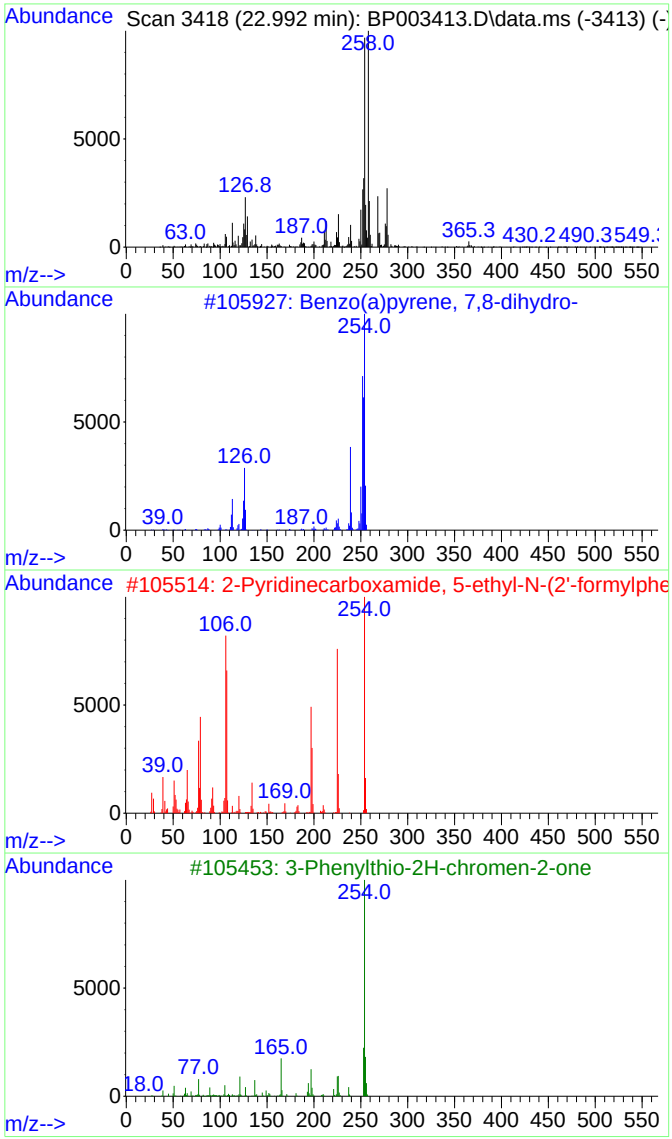
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

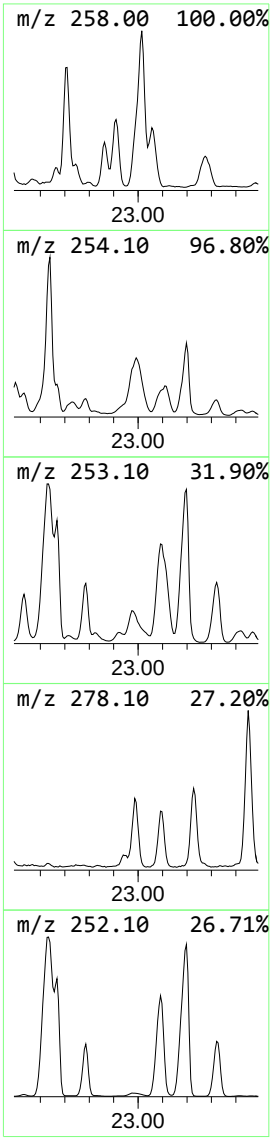
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 unknown22.992 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.992	23.07 ng	2158870	Perylene-d12	23.274

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	44
2	2-Pyridinecarboxamide, 5-ethyl-N...	254	C15H14N2O2	1000163-30-4	35
3	3-Phenylthio-2H-chromen-2-one	254	C15H10O2S	072167-95-4	27
4	6-Methyl-1-pyridin-2-ylmethylene...	254	C14H10N2O3	1000274-64-8	25
5	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	25





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Data File : BP003413.D
Acq On : 29 Sep 2020 23:02
Operator : CG/JU
Sample : L4172-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-7(9-11)

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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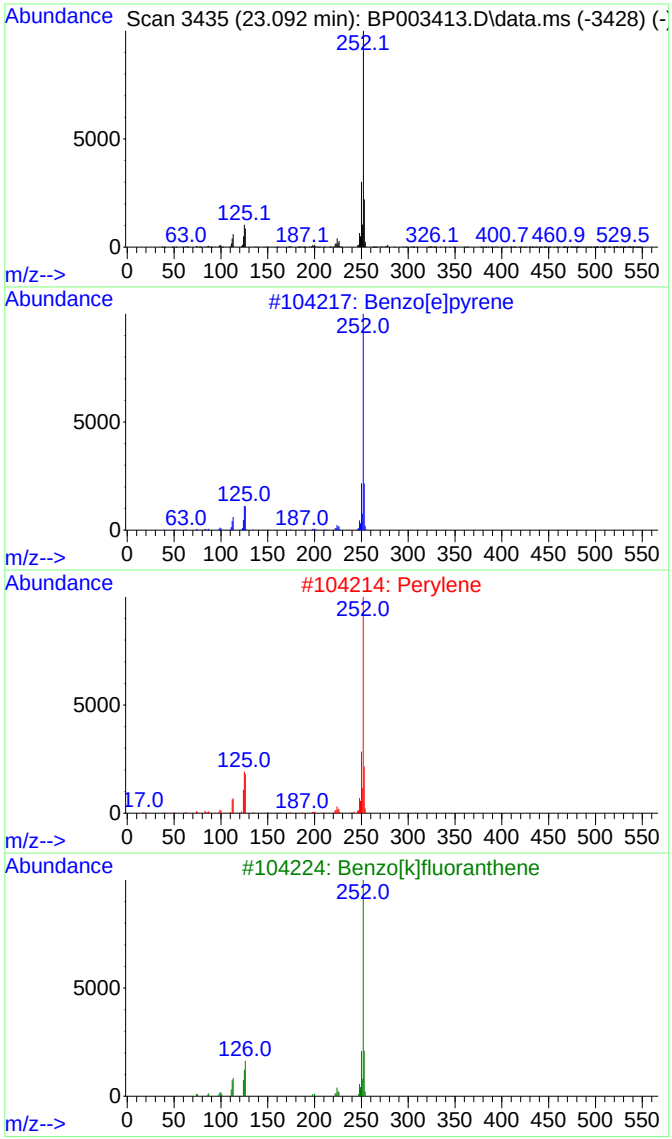
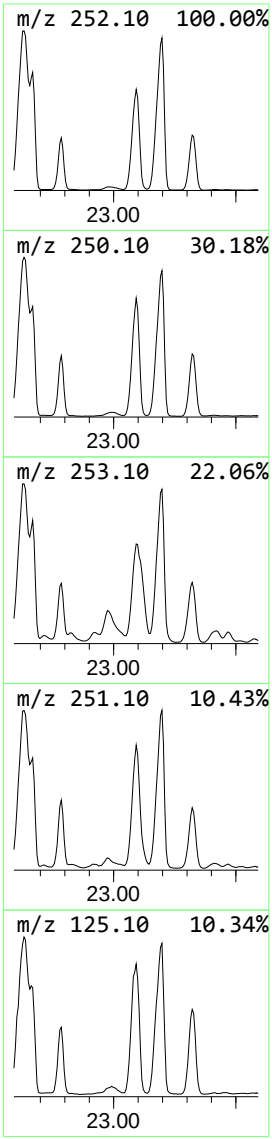
Peak Number 18 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.092	93.97 ng	8794010	Perylene-d12	23.274

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





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Data File : BP003413.D
Acq On : 29 Sep 2020 23:02
Operator : CG/JU
Sample : L4172-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-7(9-11)

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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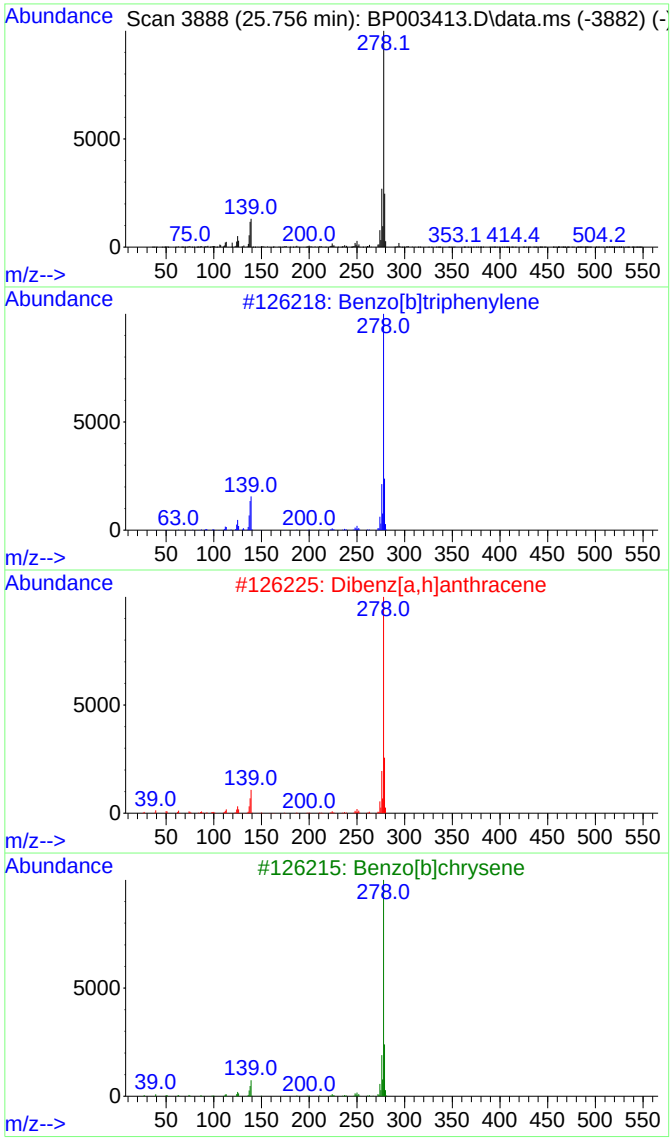
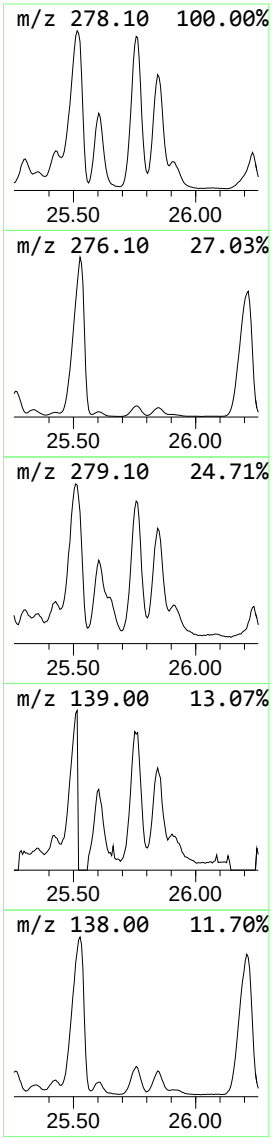
Peak Number 19 Benzo[b]triphenylene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.756	17.95 ng	1679850	Perylene-d12	23.274

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	99
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	99
3	Benzo[b]chrysene	278	C22H14	000214-17-5	98
4	Picene	278	C22H14	000213-46-7	98
5	Pentaphene	278	C22H14	000222-93-5	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003413.D
Acq On : 29 Sep 2020 23:02
Operator : CG/JU
Sample : L4172-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-7(9-11)

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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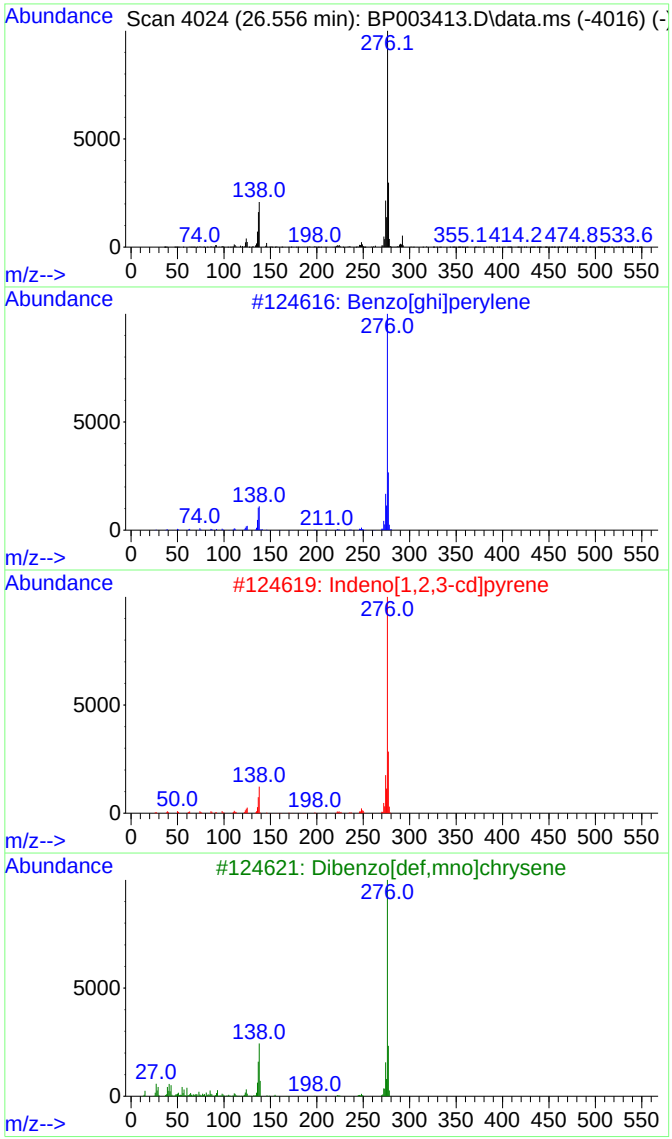
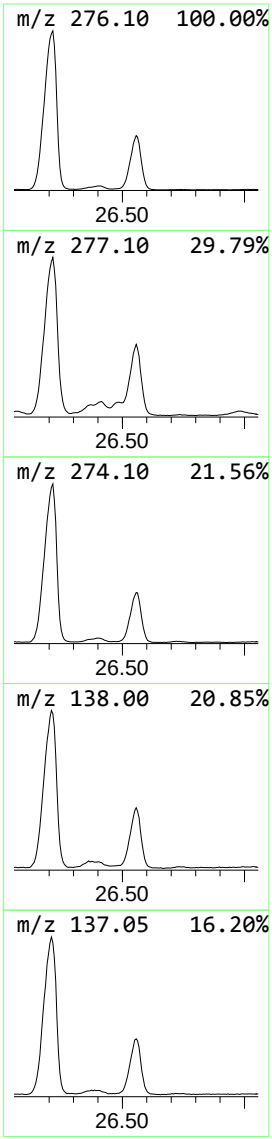
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.556	33.42 ng	3128140	Perylene-d12	23.274

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	97
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	93
3	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	93
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	76
5	Naphthalen-1-yl-(3-nitro-benzyli...	276	C17H12N2O2	200421-53-0	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003413.D
Acq On : 29 Sep 2020 23:02
Operator : CG/JU
Sample : L4172-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-7(9-11)

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
9H-Fluorene, 1-...	16.269	16.2	ng	1049010	4	16.963	1294350	20.0
9H-Fluoren-9-one	16.621	30.8	ng	1992880	4	16.963	1294350	20.0
Dibenzothiophene	16.774	29.6	ng	1916010	4	16.963	1294350	20.0
Phenanthrene, 2...	17.839	44.3	ng	2869600	4	16.963	1294350	20.0
Phenanthrene, 1...	17.886	57.3	ng	3706020	4	16.963	1294350	20.0
1H-Cyclopropa[l...	17.963	25.7	ng	1661350	4	16.963	1294350	20.0
4H-Cyclopenta[d...	18.027	78.8	ng	5100000	4	16.963	1294350	20.0
Phenanthrene, 4...	18.063	22.8	ng	1478290	4	16.963	1294350	20.0
5,16[1',2']:8,1...	18.327	32.1	ng	2075320	4	16.963	1294350	20.0
9,10-Anthracene...	18.374	25.1	ng	1627390	4	16.963	1294350	20.0
Phenanthrene, 2...	18.733	23.5	ng	1520610	4	16.963	1294350	20.0
unknown18.798	18.798	20.2	ng	1307900	4	16.963	1294350	20.0
Cyclopenta(def)...	18.880	31.1	ng	2012100	4	16.963	1294350	20.0
1,2'-Binaphthalene	22.368	22.3	ng	2084450	6	23.274	1871730	20.0
Benzo[e]pyrene	22.786	33.6	ng	3149370	6	23.274	1871730	20.0
Dinaphtho[1,2-b...	22.909	22.0	ng	2055670	6	23.274	1871730	20.0
unknown22.992	22.992	23.1	ng	2158870	6	23.274	1871730	20.0
Perylene	23.092	94.0	ng	8794010	6	23.274	1871730	20.0
Benzo[b]triphen...	25.756	17.9	ng	1679850	6	23.274	1871730	20.0
Dibenzo[def,mno...	26.556	33.4	ng	3128140	6	23.274	1871730	20.0