LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003411.D
Acq On : 29 Sep 2020 21:54
Operator : CG/JU
Sample : L4172-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-6(11-13)

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: BP003411.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.158	380	386	404	rBV	906782	1466610	17.95%	1.422%
2	6.752	650	657	685	rBV	871674	1578239	19.32%	1.530%
3	7.546	785	792	803	rBV	316051	514259	6.30%	0.499%
4	8.693	973	987	1003	rBV	612724	1114357	13.64%	1.080%
5	10.322	1256	1264	1268	rBV	466103	772413	9.46%	0.749%
6	10.369	1268	1272	1288	rVB	422915	729426	8.93%	0.707%
7	11.998	1540	1549	1558	rBV	152063	248101	3.04%	0.241%
8	12.222	1577	1587	1599	rVB	92465	162118	1.98%	0.157%
9	12.816	1681	1688	1706	rBV	1539187	2382776	29.17%	2.310%
10	13.028	1719	1724	1733	rVB	49374	81867	1.00%	0.079%
11	13.522	1801	1808	1813	rBV	74472	137439	1.68%	0.133%
12	13.663	1826	1832	1838	rBV	246170	347509	4.25%	0.337%
13	13.916	1870	1875	1890	rVB	262425	429850	5.26%	0.417%
14	14.198	1915	1923	1929	rBV2	734390	1131421	13.85%	1.097%
15	14.263	1929	1934	1943	rVB	351396	509191	6.23%	0.494%
16	14.604	1986	1992	2001	rVV	300512	461921	5.65%	0.448%
17	15.257	2097	2103	2109	rBV	527785	768752	9.41%	0.745%
18	15.557	2149	2154	2163	rVB	115994	196410	2.40%	0.190%
19	15.704	2170	2179	2187	rBV	1351125	2131445	26.09%	2.067%
20	16.269	2264	2275	2280	rBV3	99790	232377	2.84%	0.225%
21	16.616	2329	2334	2342	rVB	154920	239014	2.93%	0.232%
22	16.698	2343	2348	2354	rBV3	83877	176679	2.16%	0.171%
23	16.775	2354	2361	2372	rVB	234450	392162	4.80%	0.380%
24	16.957	2386	2392	2395	rBV	911505	1352409	16.56%	1.311%
25	17.004	2395	2400	2406	rVV	3744852	5479061	67.07%	5.312%
26	17.092	2406	2415	2421	rVB	1118364	1616412	19.79%	1.567%
27	17.151	2421	2425	2432	rBV	112064	179860	2.20%	0.174%
28	17.369	2452	2462	2466	rBV2	472253	772462	9.46%	0.749%
29	17.480	2477	2481	2488	rVV3	97015	141998	1.74%	0.138%
30	17.545	2488	2492	2501	rVV5	80476	151165	1.85%	0.147%
31	17.833	2536	2541	2545	rVV	486141	666132	8.15%	0.646%
32	17.880	2545	2549	2555	rVB	709172	950143	11.63%	0.921%
33	17.963	2558	2563	2567	rBV	289880	404356	4.95%	0.392%
34	18.022	2567	2573	2577	rBV2	826550	1386394	16.97%	1.344%
35	18.057	2577	2579	2586	rVB	337951	436941	5.35%	0.424%
36	18.133	2589	2592	2596	rBV4	59517	96880	1.19%	0.094%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003411.D
Acq On : 29 Sep 2020 21:54
Operator : CG/JU
Sample : L4172-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-6(11-13)

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	18.174	2596	2599	2603	rVV3	74400	101563	1.24%	0.098%
38	18.322	2620	2624	2628	rBV	384275	488547	5.98%	0.474%
39	18.369	2628	2632	2639	rVB	273175	387392	4.74%	0.376%
40	18.569	2662	2666	2670	rVB2	115557	143704	1.76%	0.139%
41	18.616	2670	2674	2677	rVV	128192	159627	1.95%	0.155%
42	18.651	2677	2680	2684	rVB	113501	145210	1.78%	0.141%
43	18.733	2689	2694	2698	rBV	278696	464712	5.69%	0.451%
44	18.792	2700	2704	2707	rVV3	182646	336814	4.12%	0.327%
45	18.822	2707	2709	2712	rVV	115772	124676	1.53%	0.121%
46	18.869	2712	2717	2725	rVB	277682	472517	5.78%	0.458%
47	18.992	2731	2738	2743	rBV	5165860	7474471	91.50%	7.247%
48	19.051	2745	2748	2751	rBV	83541	99666	1.22%	0.097%
49	19.086	2751	2754	2758	rVB	156302	179134	2.19%	0.174%
50	19.133	2758	2762	2765	rBV	172387	204654	2.51%	0.198%
51	19.221	2767	2777	2781	rBV3	211640	471977	5.78%	0.458%
52	19.339	2788	2797	2806	rBV2	4416006	8168676	100.00%	7.920%
53	19.410	2806	2809	2817	rVB2	277787	460561	5.64%	0.447%
54	19.539	2823	2831	2835	rBV2	2841128	3895887	47.69%	3.777%
55	19.574	2835	2837	2842	rVB	384121	477277	5.84%	0.463%
56	19.663	2846	2852	2857	rBV2	340234	872489	10.68%	0.846%
57	19.710	2857	2860	2864	rVB	146684	159852	1.96%	0.155%
58	19.792	2869	2874	2876	rVV5	282960	473365	5.79%	0.459%
59	19.827	2876	2880	2884	rVB	942202	1276084	15.62%	1.237%
60	19.869	2884	2887	2890	rBV2	76942	100979	1.24%	0.098%
61	19.921	2892	2896	2900	rBV2	787717	971312	11.89%	0.942%
62	19.980	2900	2906	2910	rBV3	487791	769732	9.42%	0.746%
63	20.057	2917	2919	2924	rVB3	115116	135625	1.66%	0.131%
64	20.116	2925	2929	2933	rBV	268352	331459	4.06%	0.321%
65	20.163	2933	2937	2941	rVB3	300446	398176	4.87%	0.386%
66	20.374	2970	2973	2975	rBV2	98859	133910	1.64%	0.130%
67	20.410	2976	2979	2981	rBV2	101850	125459	1.54%	0.122%
68	20.521	2995	2998	3001	rBV3	110531	159468	1.95%	0.155%
69	20.557	3001	3004	3010	rVB	488663	661789	8.10%	0.642%
70	20.716	3026	3031	3034	rBV2	581823	847719	10.38%	0.822%
71	20.751	3034	3037	3041	rVV	581003	739358	9.05%	0.717%
72	20.792	3041	3044	3050	rVV2	719435	1320425	16.16%	1.280%
73	20.851	3051	3054	3061	rVB	557278	719044	8.80%	0.697%
74	20.951	3069	3071	3078	rVB	133123	165978	2.03%	0.161%
75	21.057	3080	3089	3094	rVV3	3968803	7736117	94.70%	7.501%
76	21.104	3094	3097	3106	rVB	3016235	3963695	48.52%	3.843%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003411.D
Acq On : 29 Sep 2020 21:54
Operator : CG/JU
Sample : L4172-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-6(11-13)

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	21.216	3112	3116	3122	rBV	660698	815537	9.98%	0.791%
78	21.268	3123	3125	3128	rVV3	193018	260204	3.19%	0.252%
79	21.321	3132	3134	3138	rVB	327697	341565	4.18%	0.331%
80	21.368	3138	3142	3147	rBV2	525414	760289	9.31%	0.737%
81	21.421	3148	3151	3155	rVB4	129350	152229	1.86%	0.148%
82	21.545	3169	3172	3175	rBV2	176571	242918	2.97%	0.236%
83	21.604	3178	3182	3186	rVB	572421	788519	9.65%	0.765%
84	21.651	3187	3190	3196	rVV	273487	392920	4.81%	0.381%
85	21.792	3211	3214	3217	rBV	297242	383966	4.70%	0.372%
86	21.892	3227	3231	3235	rVB2	250388	366082	4.48%	0.355%
87	22.357	3306	3310	3315	rVB2	245536	415480	5.09%	0.403%
88	22.610	3346	3353	3357	rBV	2589165	5603748	68.60%	5.433%
89	22.768	3376	3380	3386	rVB	555265	860919	10.54%	0.835%
90	22.898	3399	3402	3404	rBV2	150206	211431	2.59%	0.205%
91	23.074	3426	3432	3440	rVB	1468178	2857065	34.98%	2.770%
92	23.168	3441	3448	3456	rVV	2260377	4076751	49.91%	3.953%
93	23.262	3458	3464	3468	rVV2	1019076	1969541	24.11%	1.910%
94	23.310	3468	3472	3480	rVB2	691823	1334830	16.34%	1.294%
95	25.492	3834	3843	3852	rVB2	1040992	2949754	36.11%	2.860%
96	26.168	3950	3958	3970	rVB	748595	2199011	26.92%	2.132%

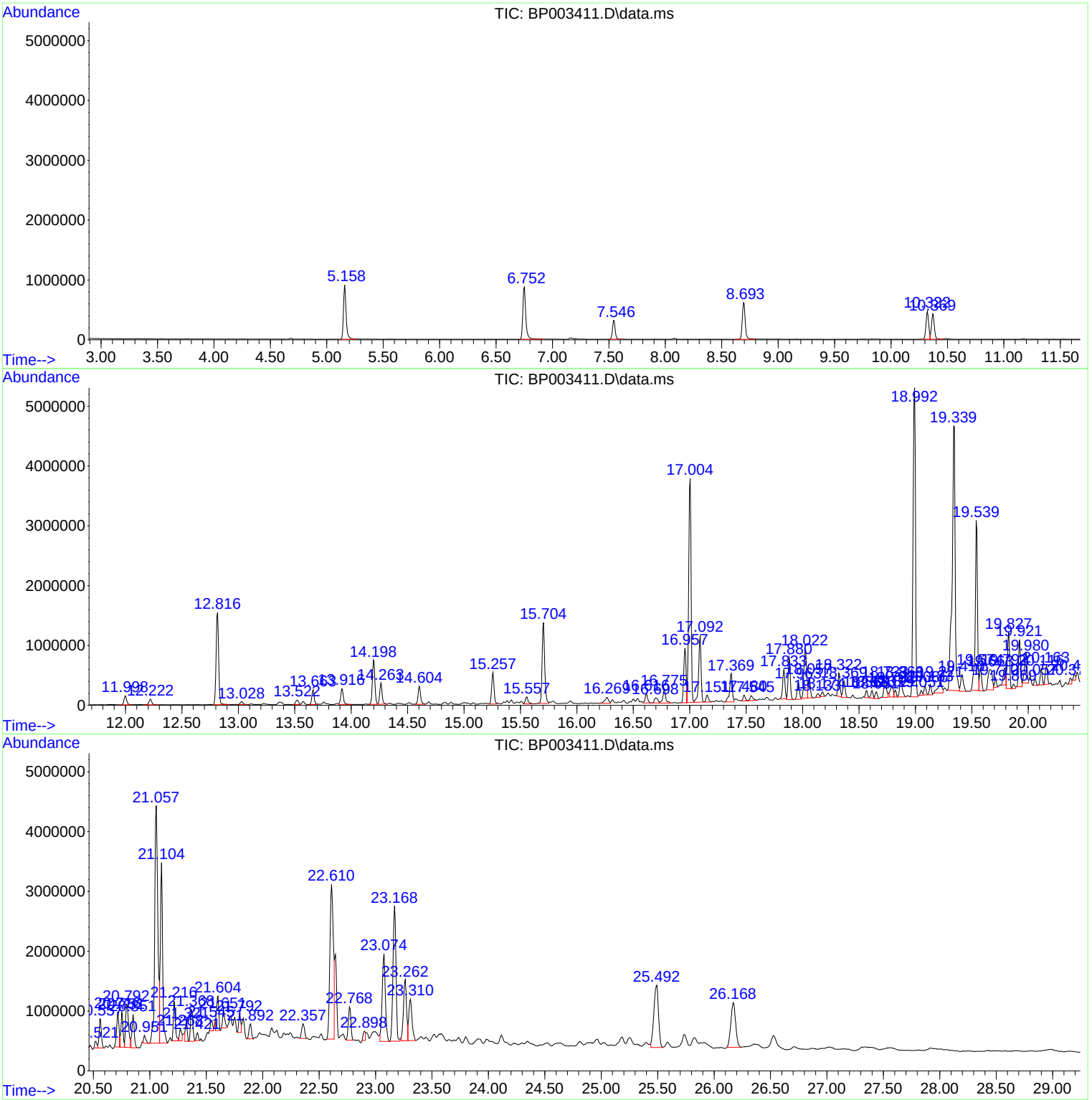
Sum of corrected areas: 103140408

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003411.D
Acq On : 29 Sep 2020 21:54
Operator : CG/JU
Sample : L4172-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-6(11-13)

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 : BP003411.D
Acq On : 29 Sep 2020 21:54
Operator : CG/JU
Sample : L4172-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-6(11-13)

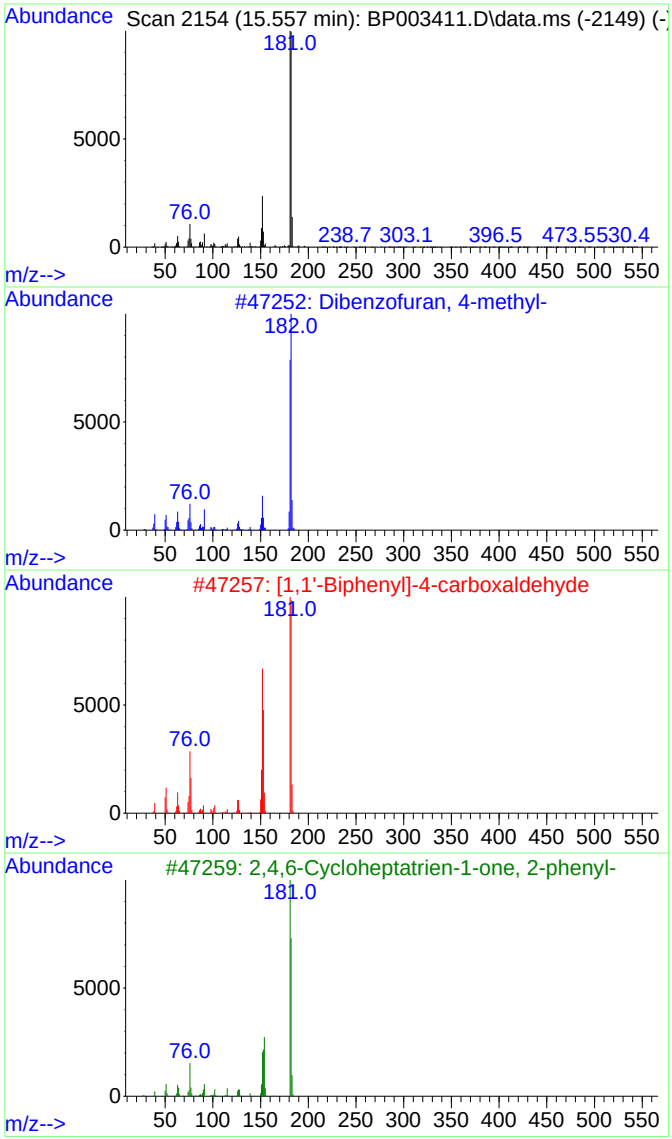
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

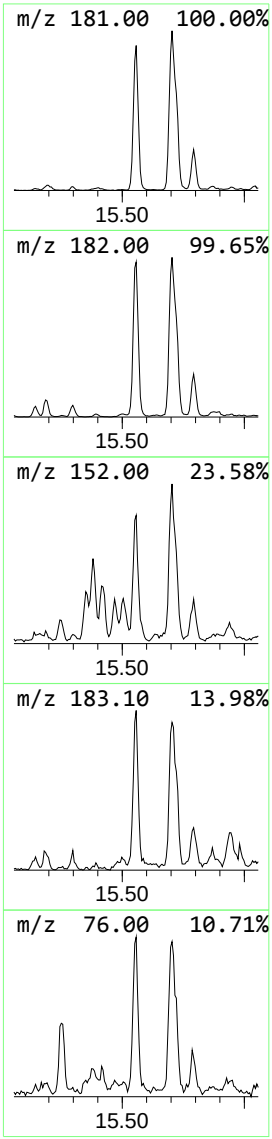
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Dibenzofuran, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.557	3.47 ng	196410	Acenaphthene-d10	14.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003411.D
Acq On : 29 Sep 2020 21:54
Operator : CG/JU
Sample : L4172-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-6(11-13)

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

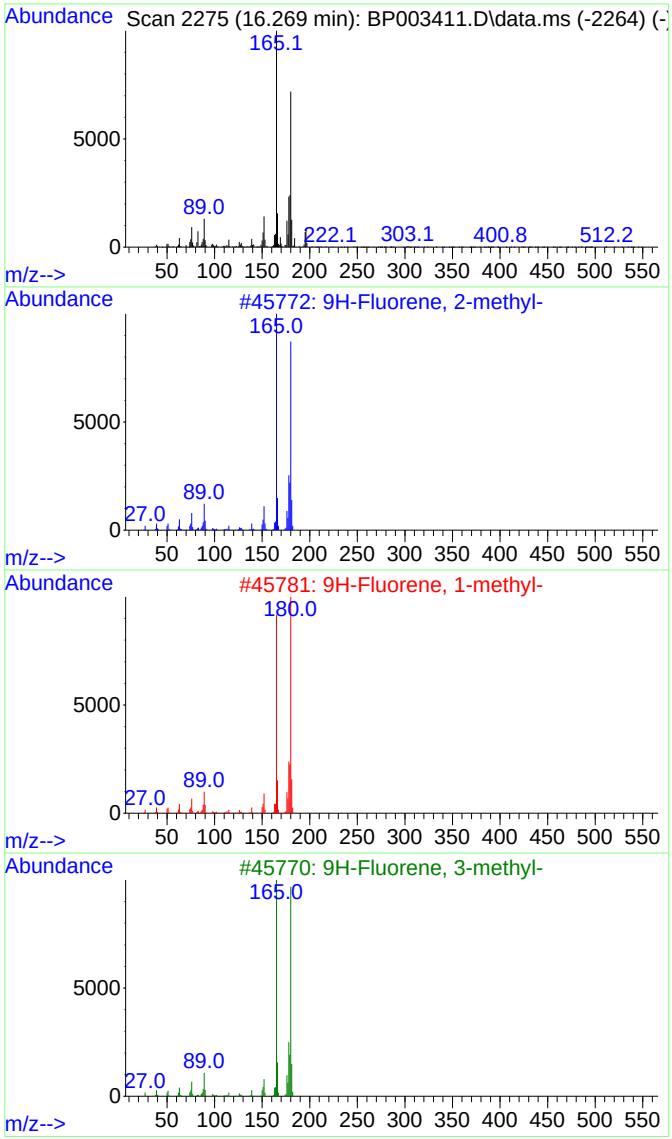
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

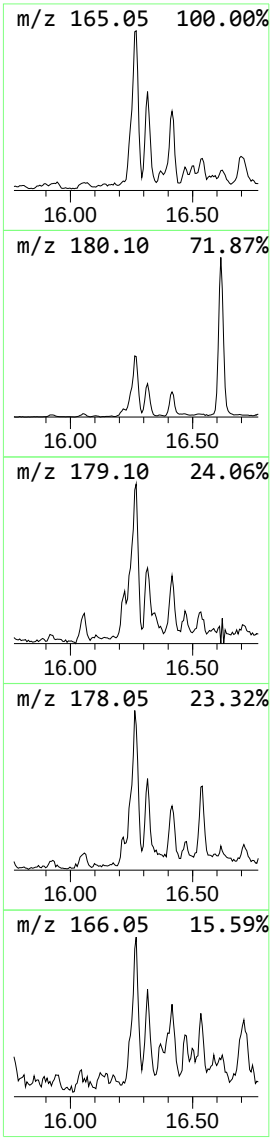
****

Peak Number 2 9H-Fluorene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.269	3.44 ng	232377	Phenanthrene-d10	16.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	86
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003411.D
Acq On : 29 Sep 2020 21:54
Operator : CG/JU
Sample : L4172-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-6(11-13)

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

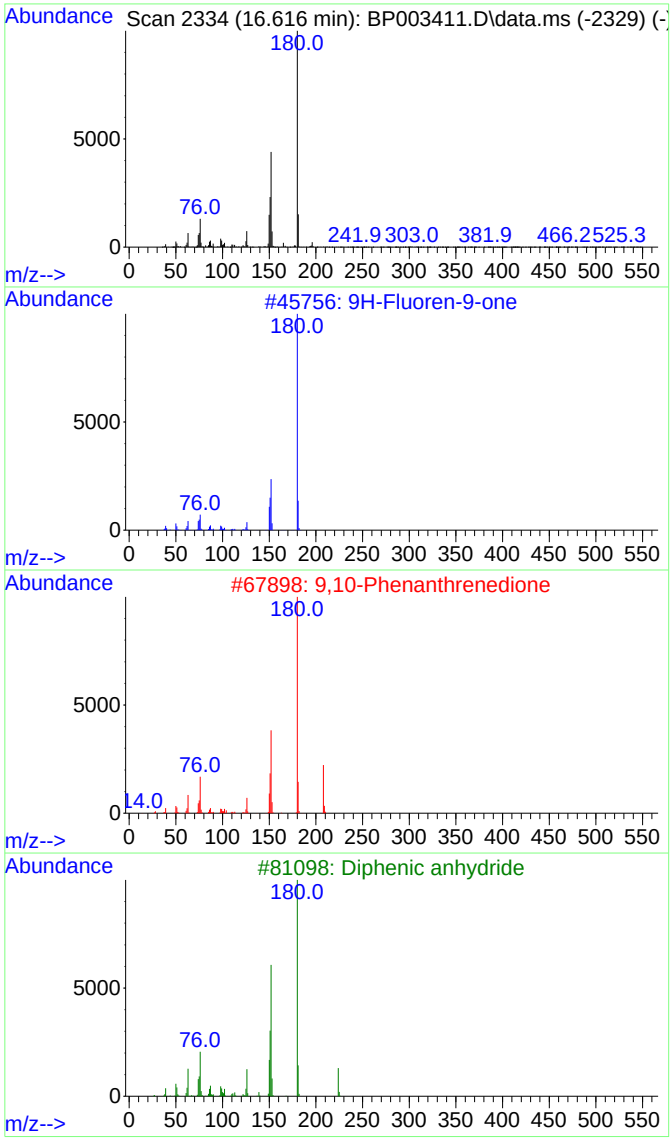
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

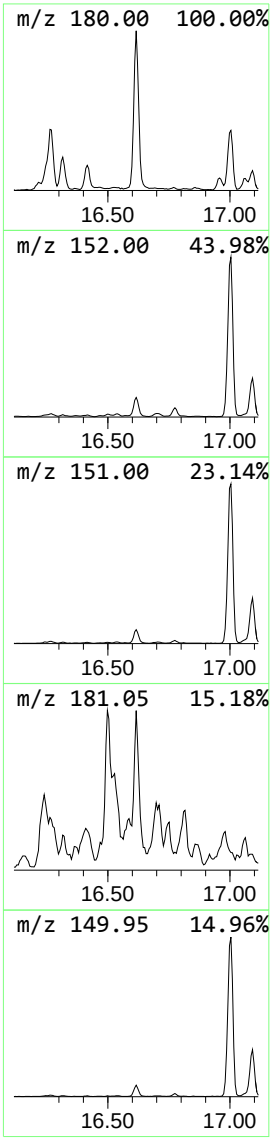
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.616	3.53 ng	239014	Phenanthrene-d10	16.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86
3	Diphenic anhydride	224	C14H8O3	006050-13-1	68
4	9,9-Bis[4-aminophenylsulfonyl]fl...	476	C25H20N2O4S2	081269-16-1	64
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003411.D
Acq On : 29 Sep 2020 21:54
Operator : CG/JU
Sample : L4172-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-6(11-13)

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

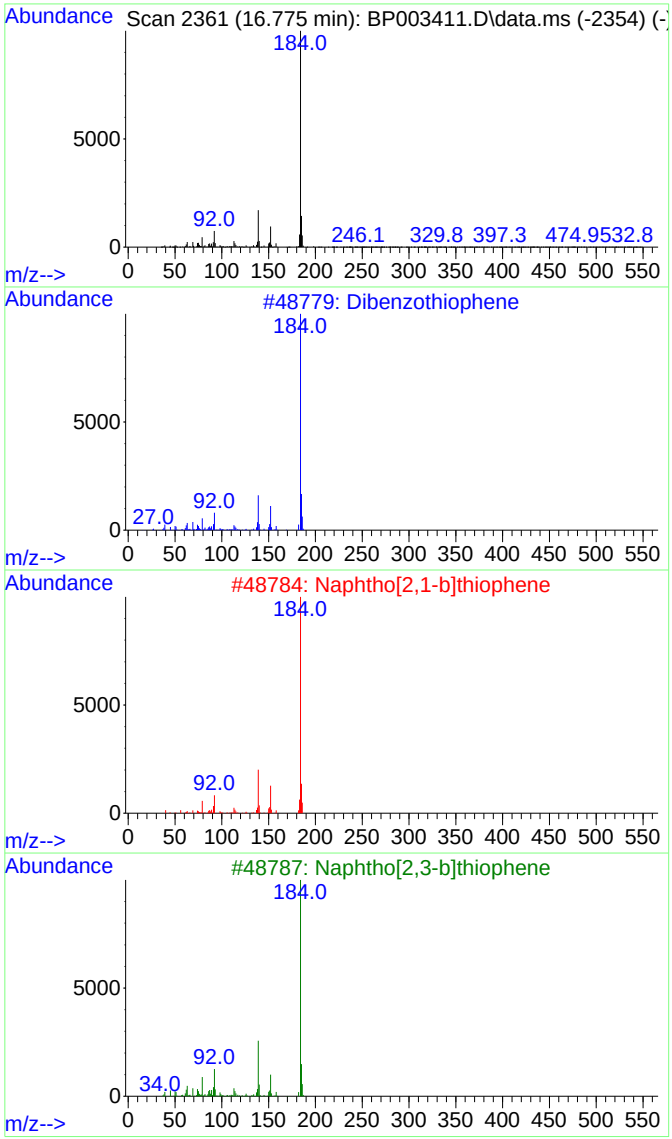
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

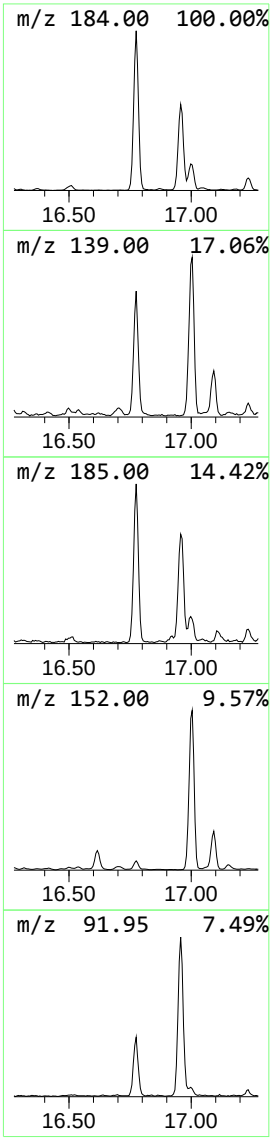
****

Peak Number 4 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.775	5.80 ng	392162	Phenanthrene-d10	16.957

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	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003411.D
Acq On : 29 Sep 2020 21:54
Operator : CG/JU
Sample : L4172-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-6(11-13)

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

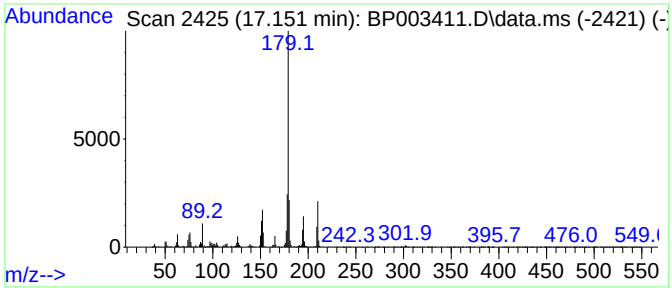
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

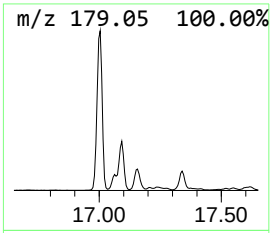
****

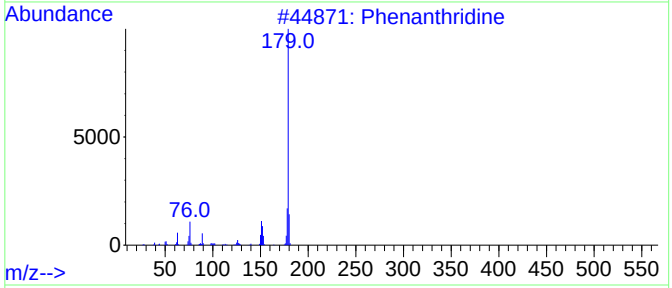
Peak Number 5 Phenanthridine Concentration Rank 20

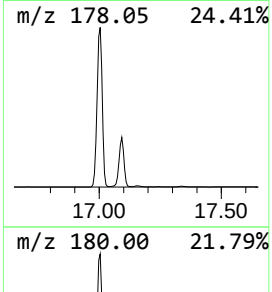
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.151	2.66 ng	179860	Phenanthrene-d10	16.957

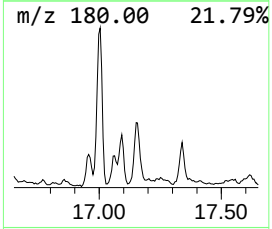
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthridine	179	C13H9N	000229-87-8	86
2	Acridine	179	C13H9N	000260-94-6	76
3	Benzo[g]quinoline	179	C13H9N	000260-36-6	60
4	Benzo[h]quinoline	179	C13H9N	000230-27-3	58
5	p-Phenylbenzonitrile	179	C13H9N	002920-38-9	58

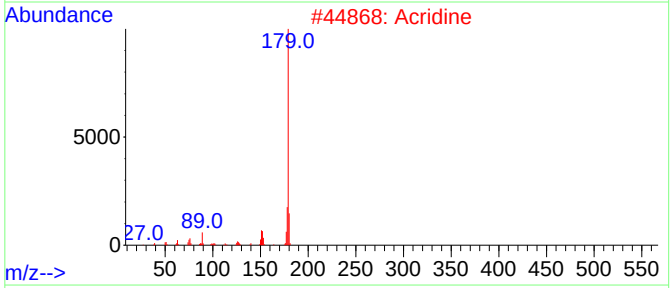


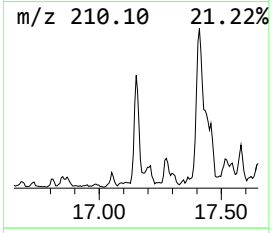


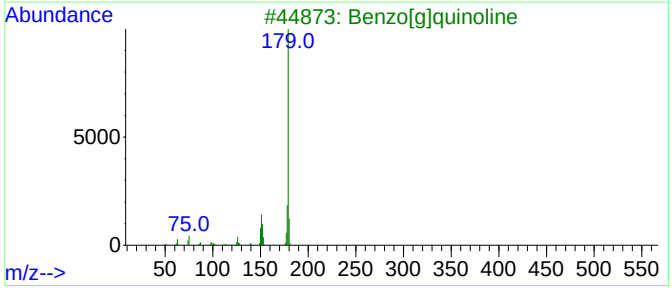


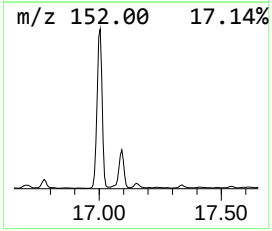












Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003411.D
Acq On : 29 Sep 2020 21:54
Operator : CG/JU
Sample : L4172-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-6(11-13)

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

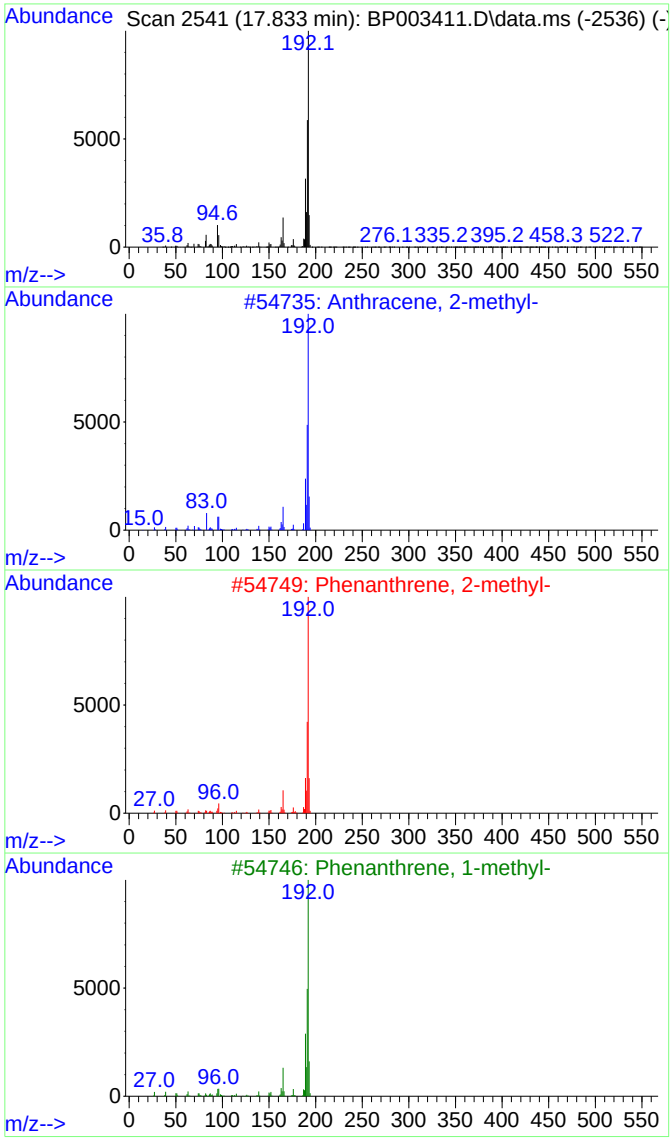
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

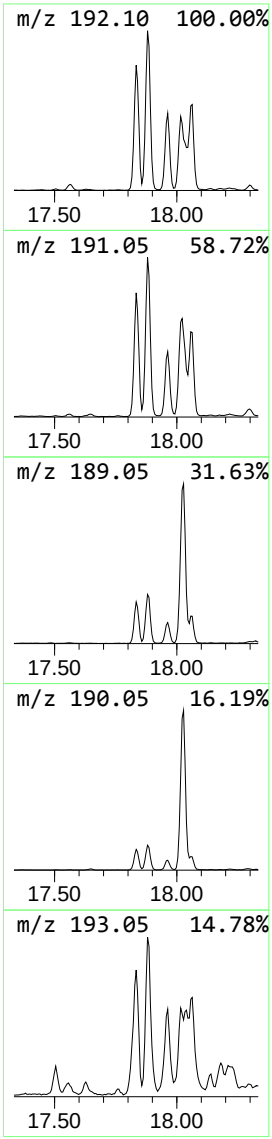
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.833	9.85 ng	666132	Phenanthrene-d10	16.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





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Data File : BP003411.D
Acq On : 29 Sep 2020 21:54
Operator : CG/JU
Sample : L4172-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-6(11-13)

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

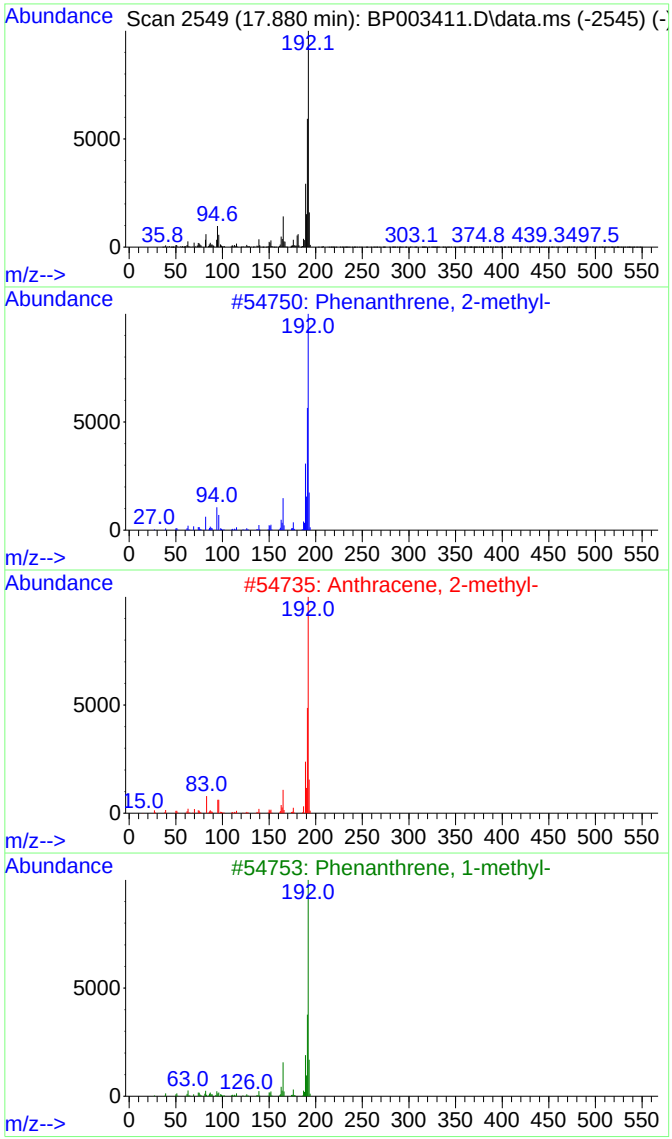
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

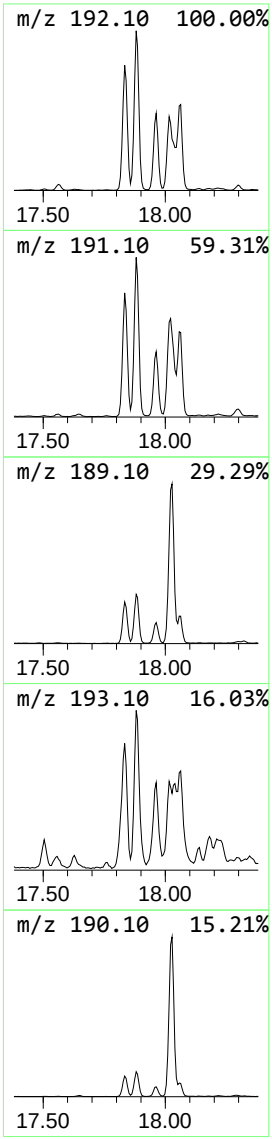
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.880	14.05 ng	950143	Phenanthrene-d10	16.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Data File : BP003411.D
Acq On : 29 Sep 2020 21:54
Operator : CG/JU
Sample : L4172-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-6(11-13)

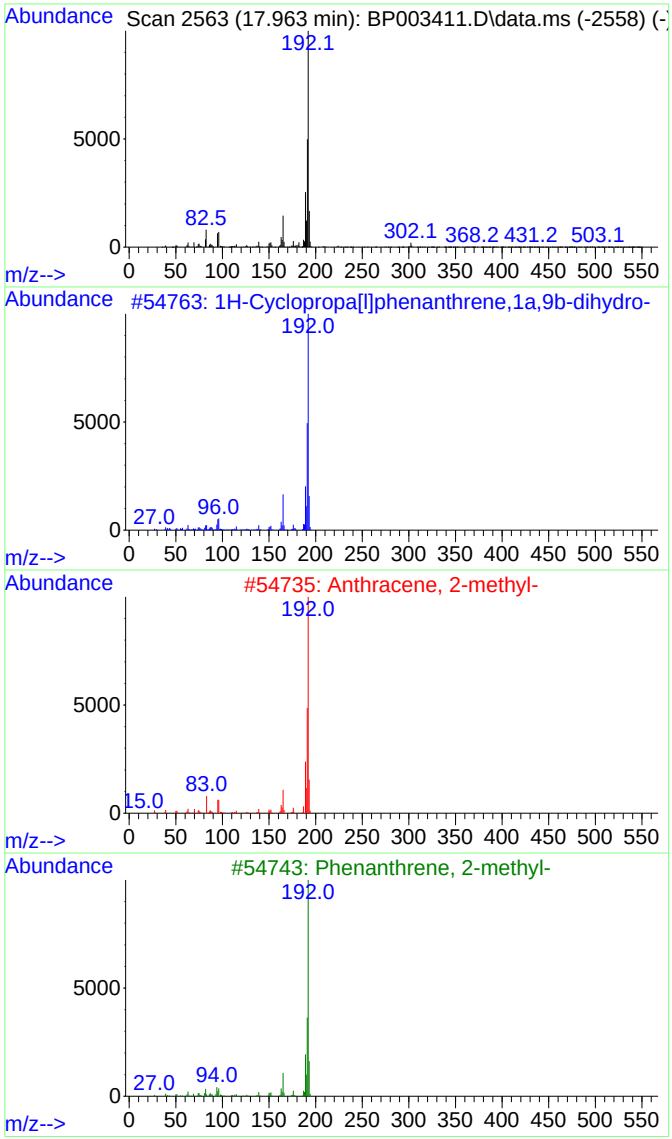
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

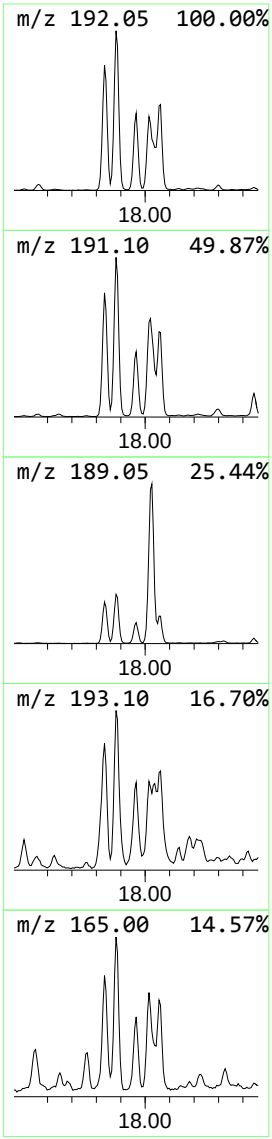
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.963	5.98 ng	404356	Phenanthrene-d10	16.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96





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Data File : BP003411.D
Acq On : 29 Sep 2020 21:54
Operator : CG/JU
Sample : L4172-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-6(11-13)

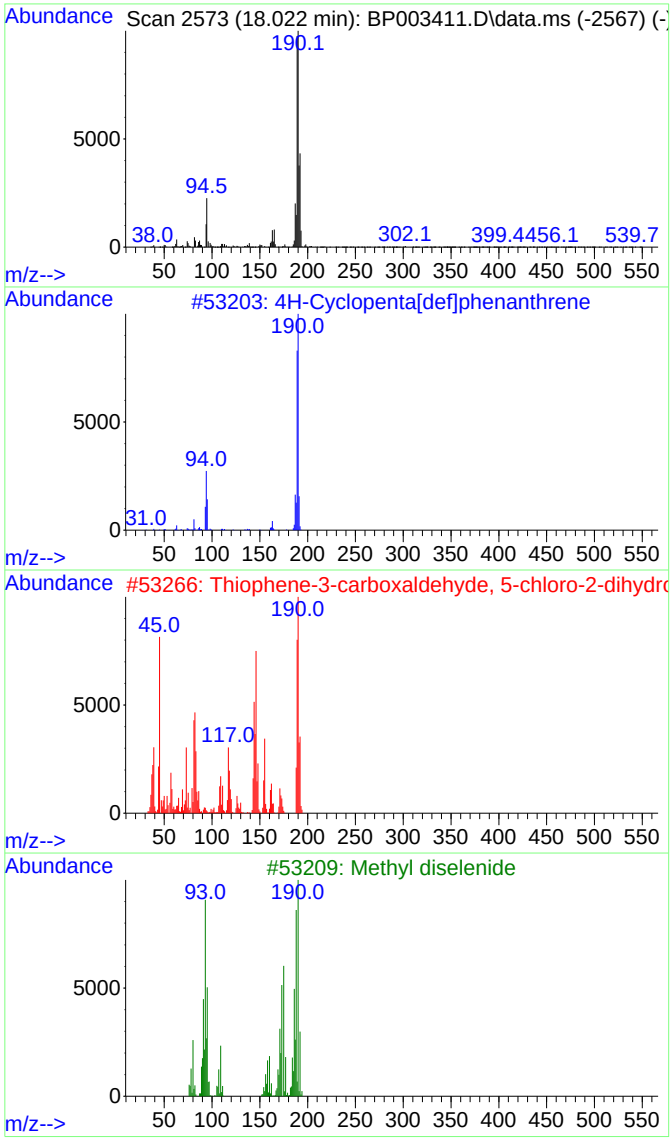
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

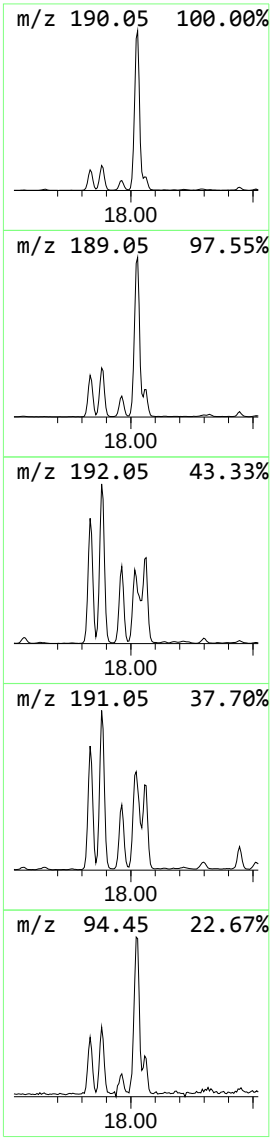
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.022	20.50 ng	1386390	Phenanthrene-d10	16.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	Methyl diselenide	190	C2H6Se2	007101-31-7	49
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45





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Acq On : 29 Sep 2020 21:54
Operator : CG/JU
Sample : L4172-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-6(11-13)

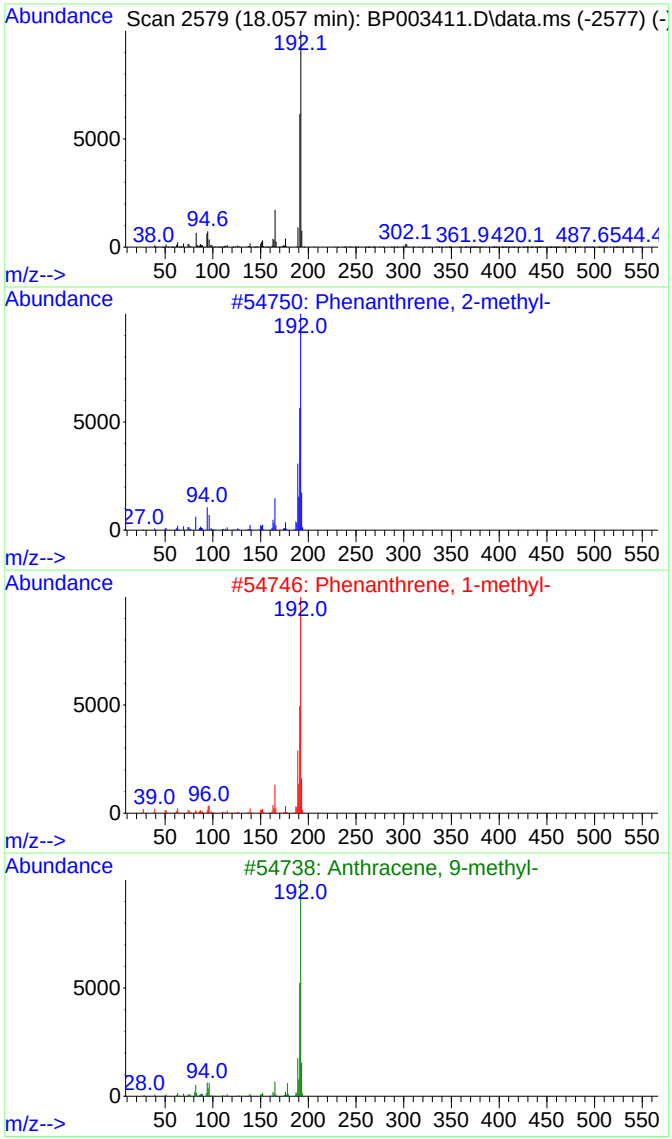
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

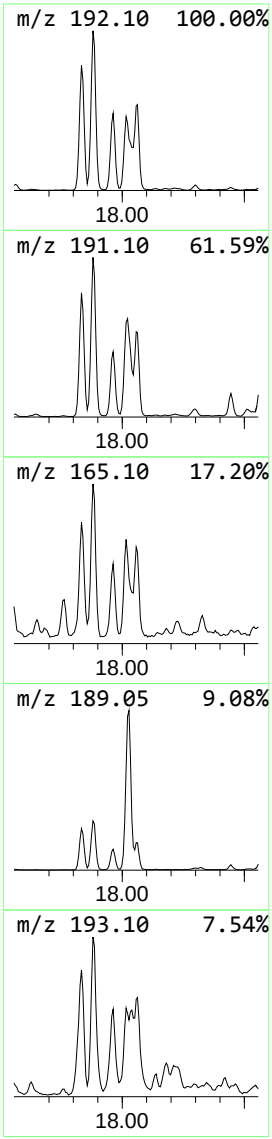
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.057	6.46 ng	436941	Phenanthrene-d10	16.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	80
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	80
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	76





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Data File : BP003411.D
Acq On : 29 Sep 2020 21:54
Operator : CG/JU
Sample : L4172-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-6(11-13)

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

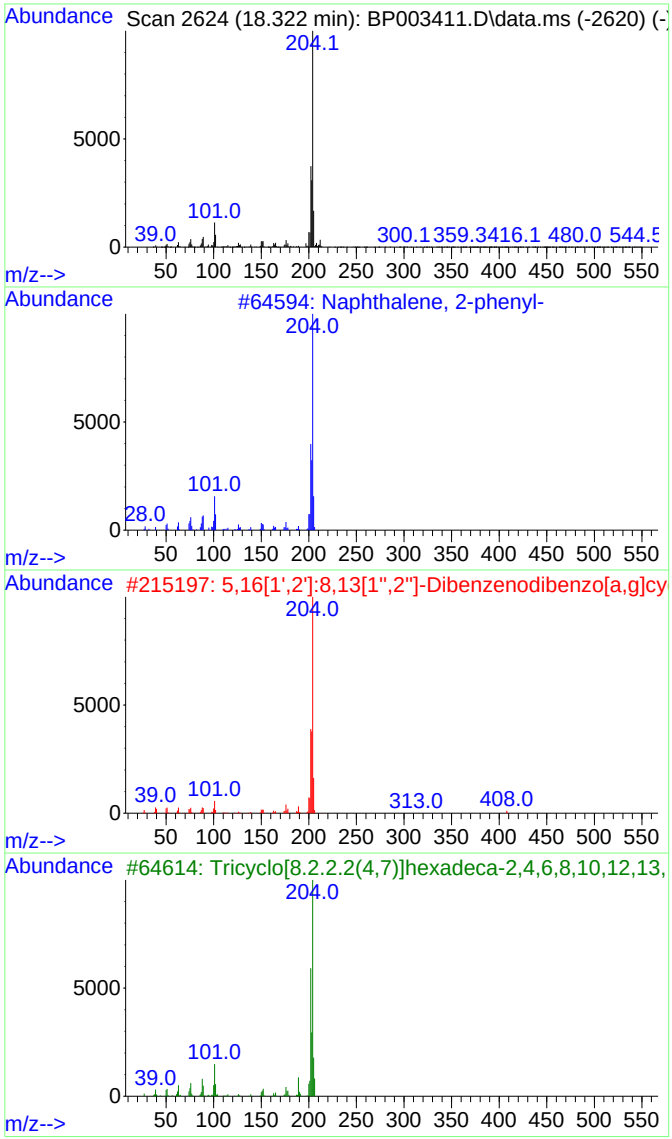
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

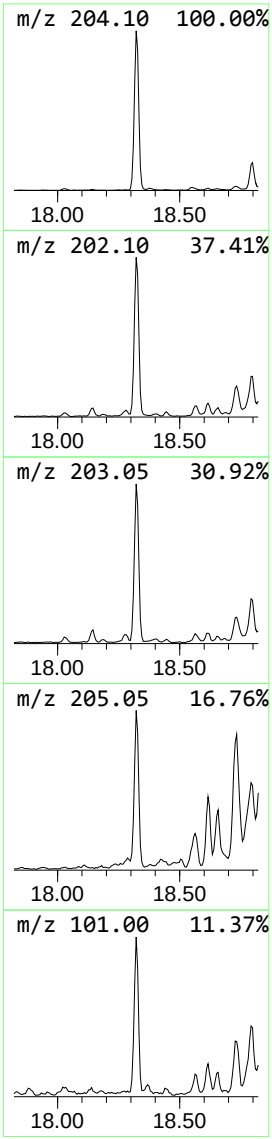
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.322	7.22 ng	488547	Phenanthrene-d10	16.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
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	80
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53





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Data File : BP003411.D
Acq On : 29 Sep 2020 21:54
Operator : CG/JU
Sample : L4172-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-6(11-13)

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

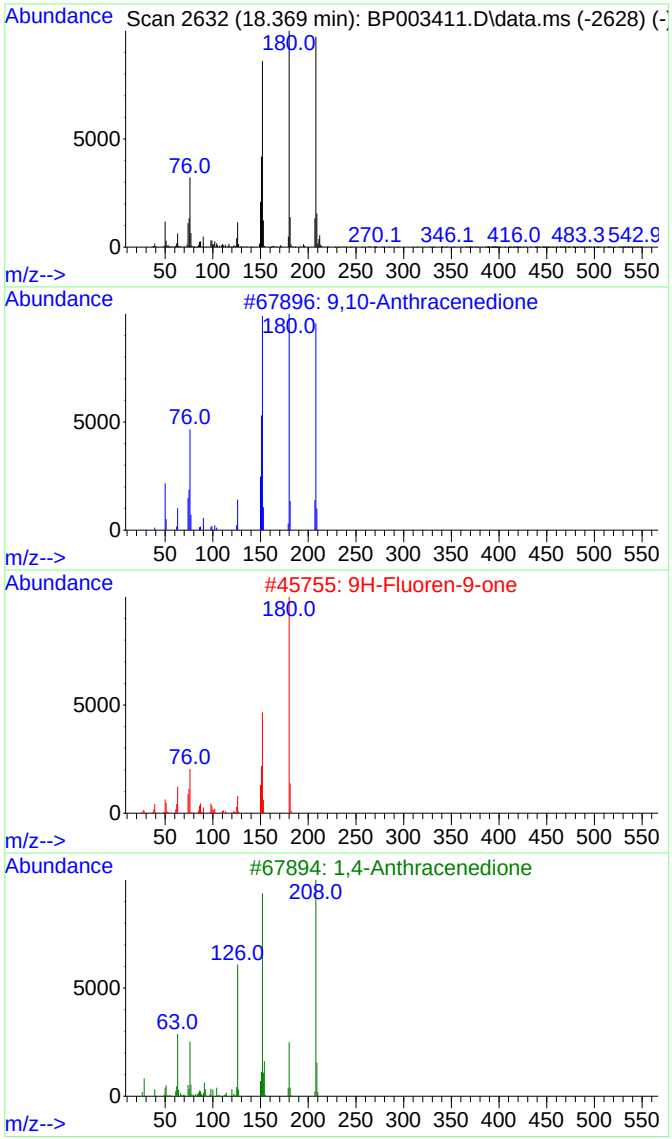
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

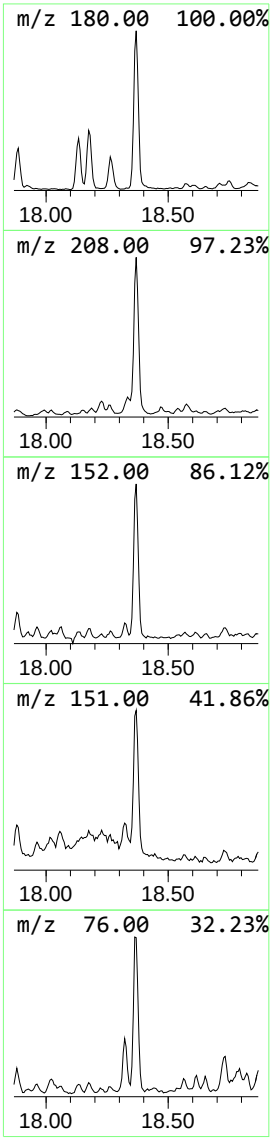
****

Peak Number 12 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.369	5.73 ng	387392	Phenanthrene-d10	16.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
3	1,4-Anthracenedione	208	C14H8O2	000635-12-1	64
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64





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Data File : BP003411.D
Acq On : 29 Sep 2020 21:54
Operator : CG/JU
Sample : L4172-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-6(11-13)

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

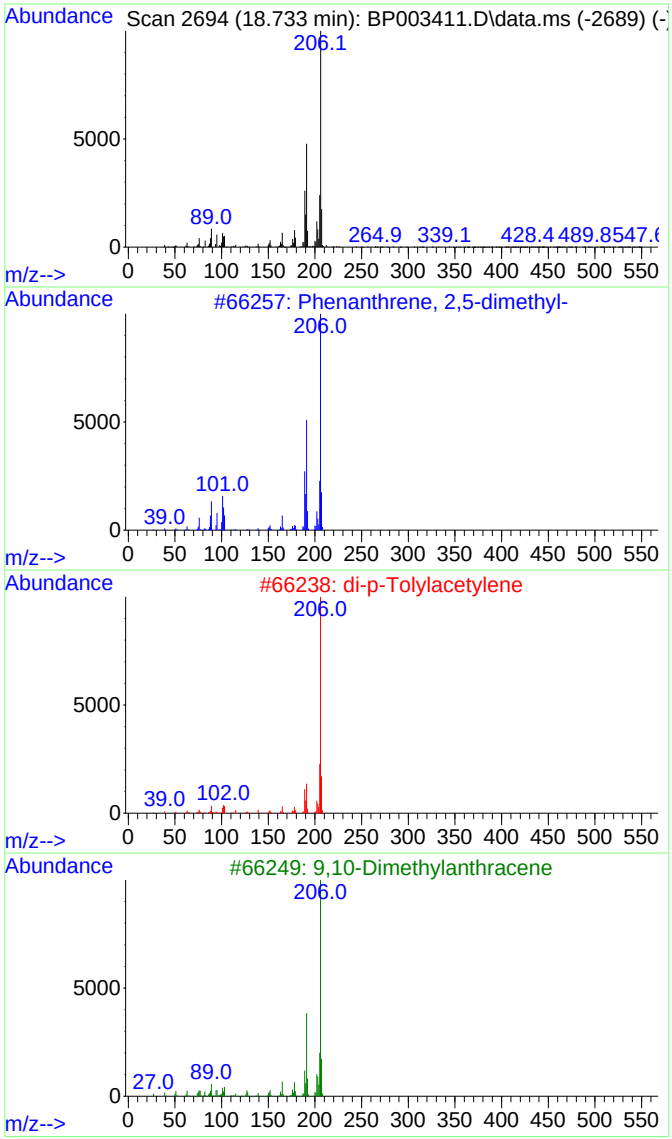
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

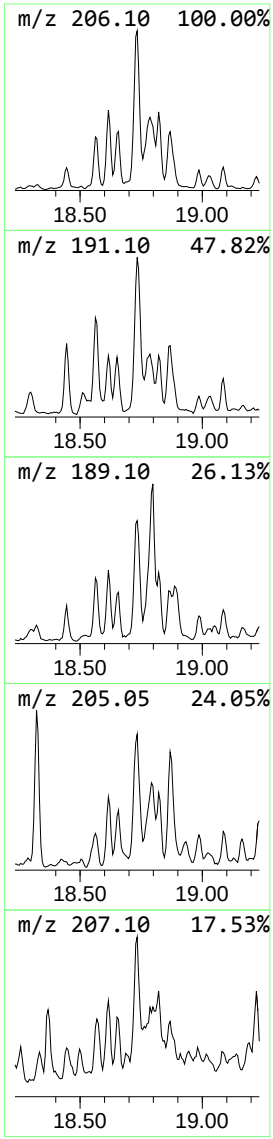
****

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.733	6.87 ng	464712	Phenanthrene-d10	16.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91





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Data File : BP003411.D
Acq On : 29 Sep 2020 21:54
Operator : CG/JU
Sample : L4172-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-6(11-13)

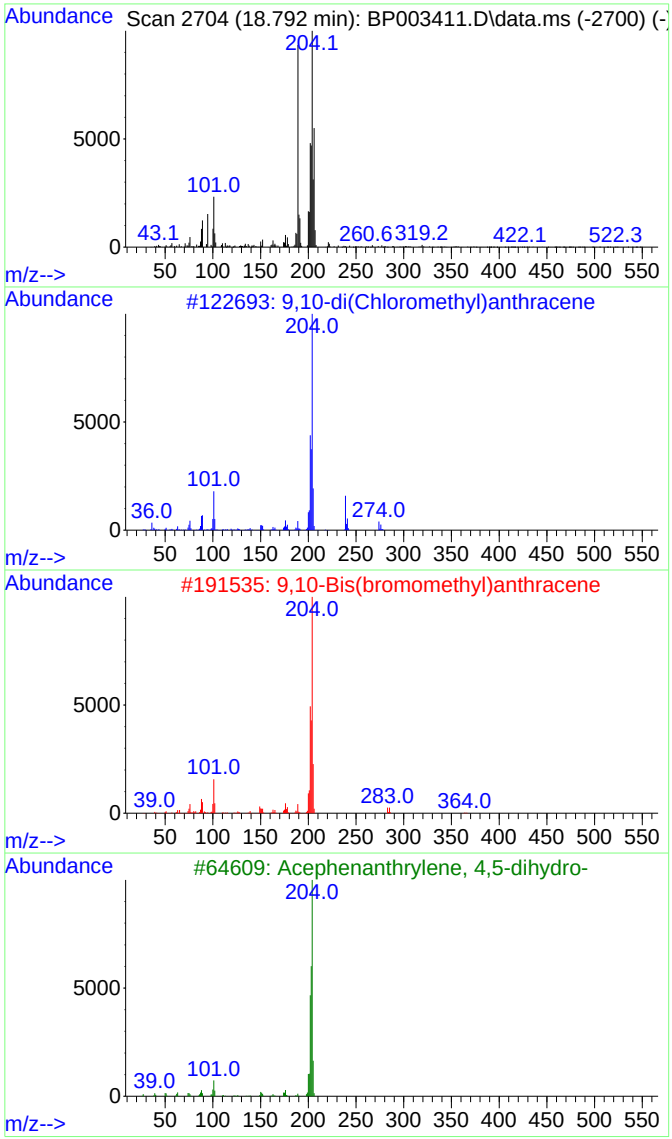
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

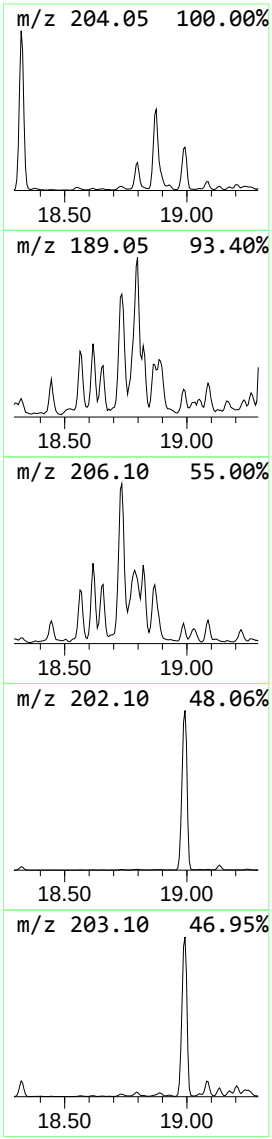
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 9,10-di(Chloromethyl)anthra... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.792	4.98 ng	336814	Phenanthrene-d10	16.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	50
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49
3	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	46
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46
5	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	38





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Sample : L4172-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-6(11-13)

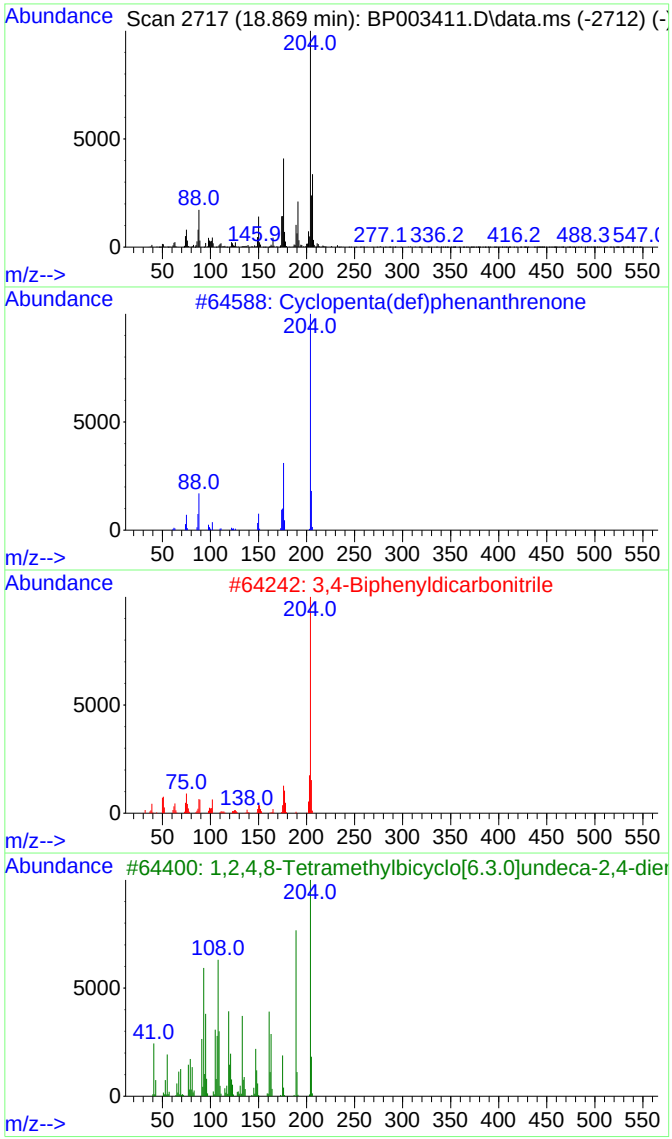
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

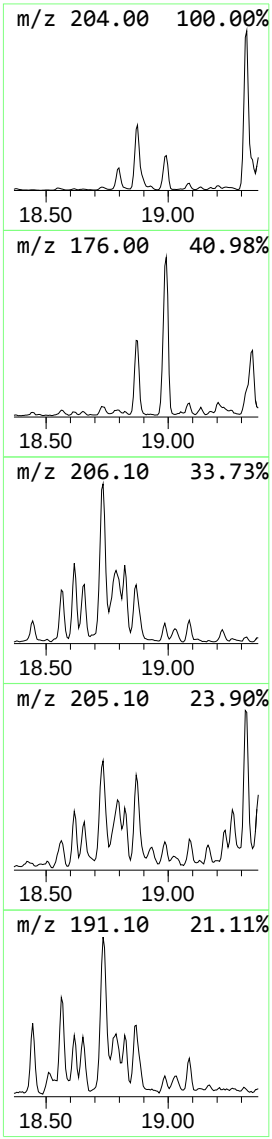
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.869	6.99 ng	472517	Phenanthrene-d10	16.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	38
4	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	38
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	38





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Data File : BP003411.D
Acq On : 29 Sep 2020 21:54
Operator : CG/JU
Sample : L4172-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-6(11-13)

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

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

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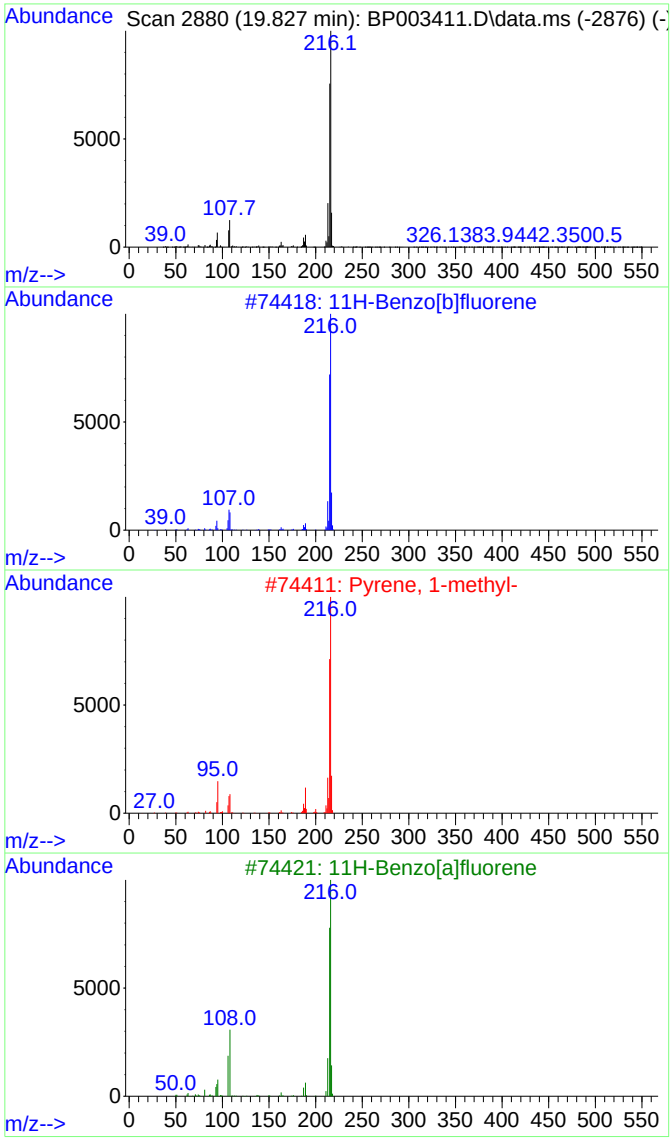
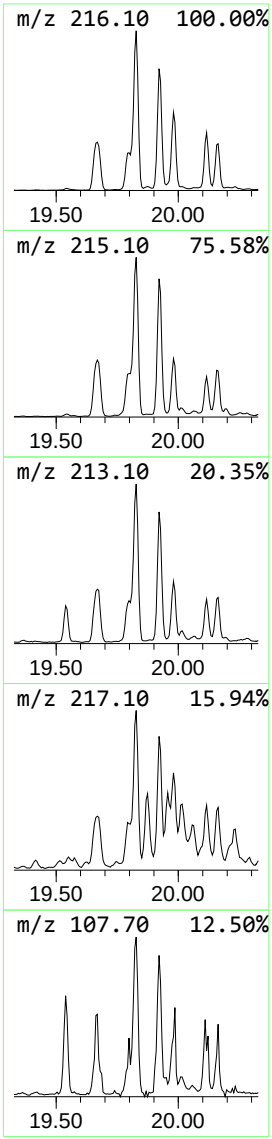
Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.827	3.30 ng	1276080	Chrysene-d12	21.068

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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Data File : BP003411.D
Acq On : 29 Sep 2020 21:54
Operator : CG/JU
Sample : L4172-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-6(11-13)

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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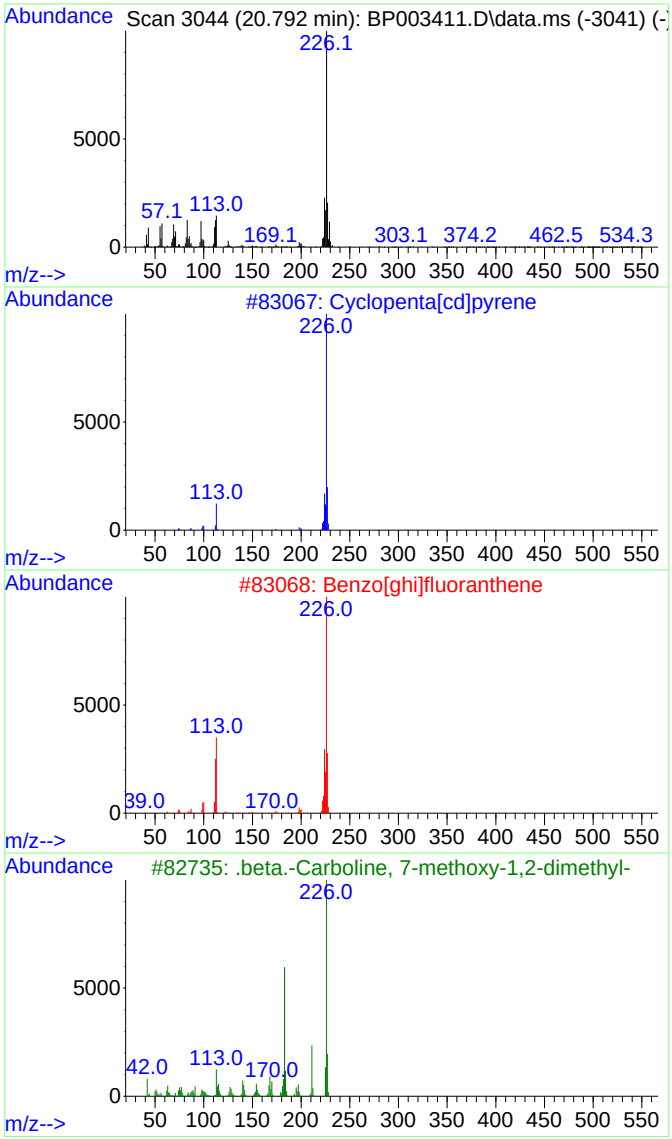
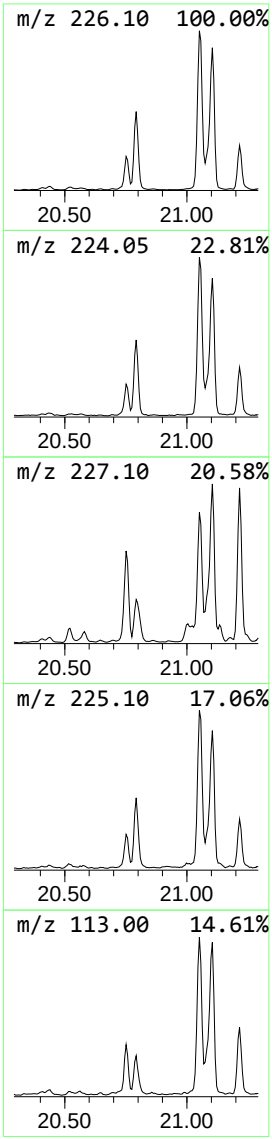
Peak Number 17 Cyclopenta[cd]pyrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.792	3.41 ng	1320430	Chrysene-d12	21.068

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	92
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	76
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	52
4	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	38
5	2,2'-Oxydibenzaldehyde	226	C14H10O3	049590-51-4	38





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Data File : BP003411.D
Acq On : 29 Sep 2020 21:54
Operator : CG/JU
Sample : L4172-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-6(11-13)

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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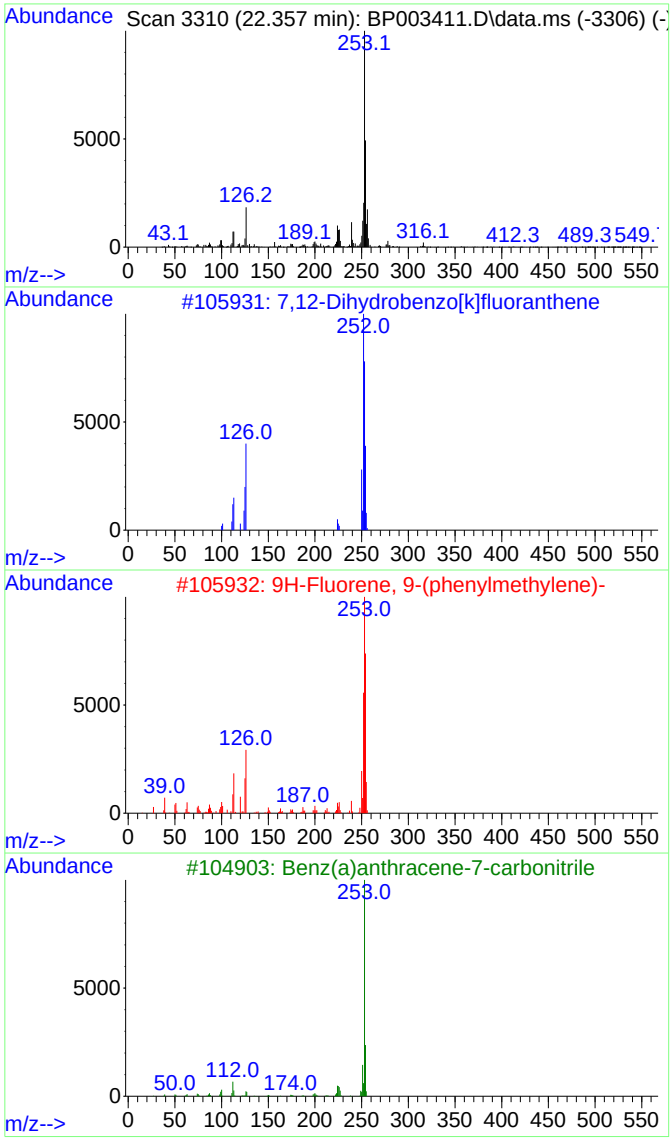
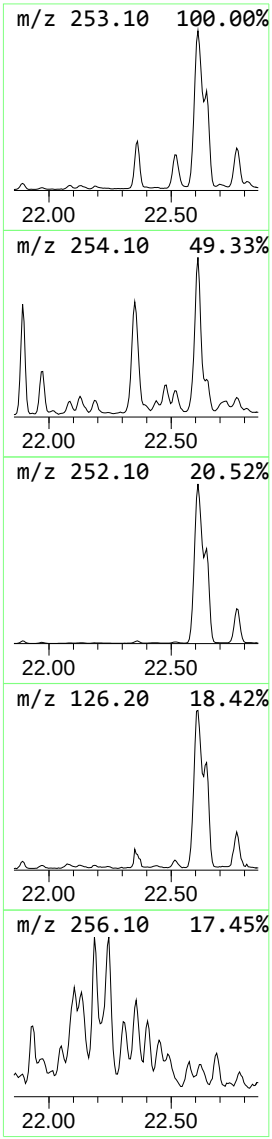
Peak Number 18 7,12-Dihydrobenzo[k]fluoran... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.357	4.22 ng	415480	Perylene-d12	23.262

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	74
2	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	59
3	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	55
4	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	53
5	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003411.D
Acq On : 29 Sep 2020 21:54
Operator : CG/JU
Sample : L4172-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-6(11-13)

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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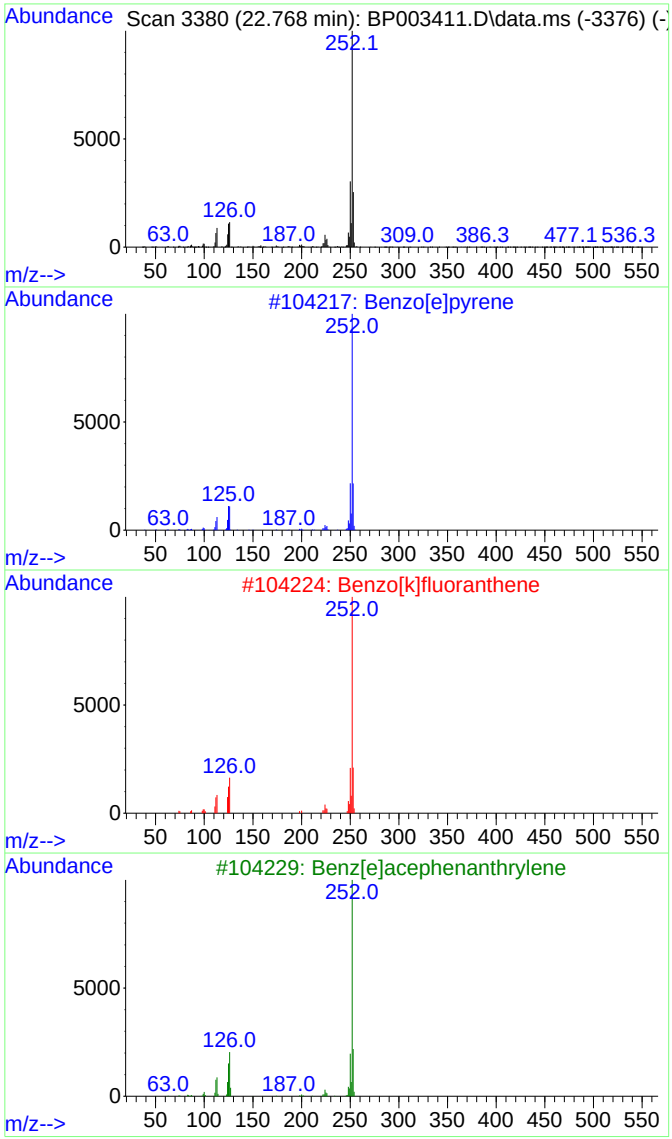
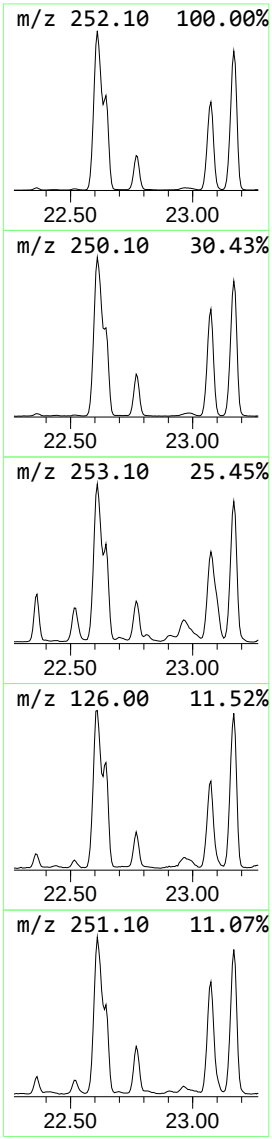
Peak Number 19 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.768	8.74 ng	860919	Perylene-d12	23.262

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	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003411.D
Acq On : 29 Sep 2020 21:54
Operator : CG/JU
Sample : L4172-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-6(11-13)

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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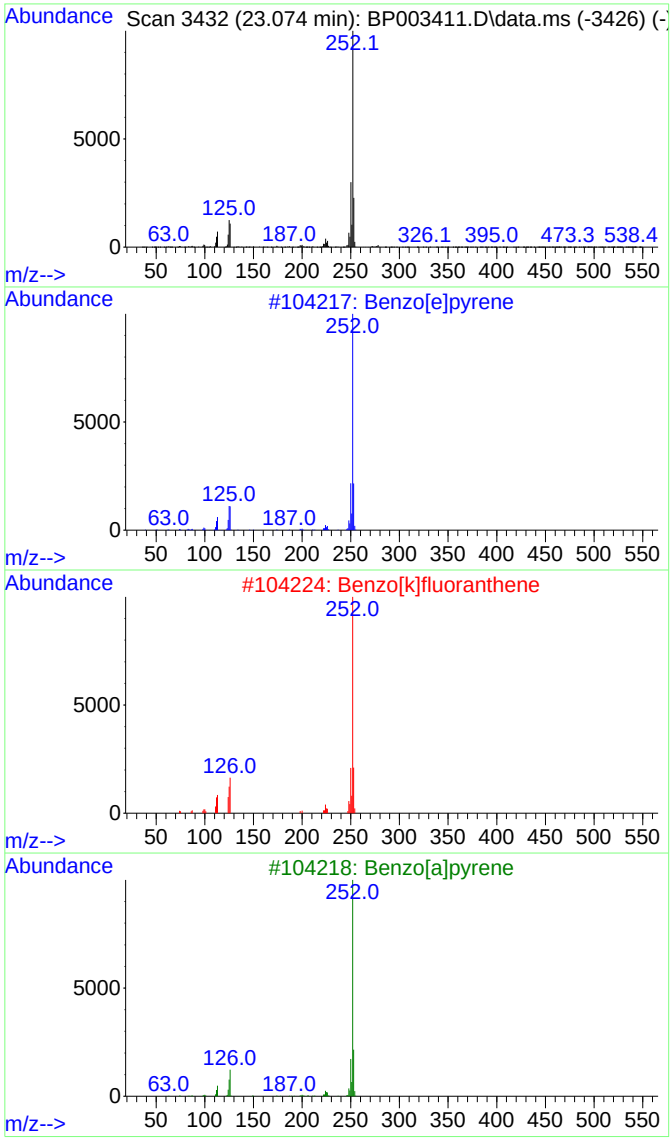
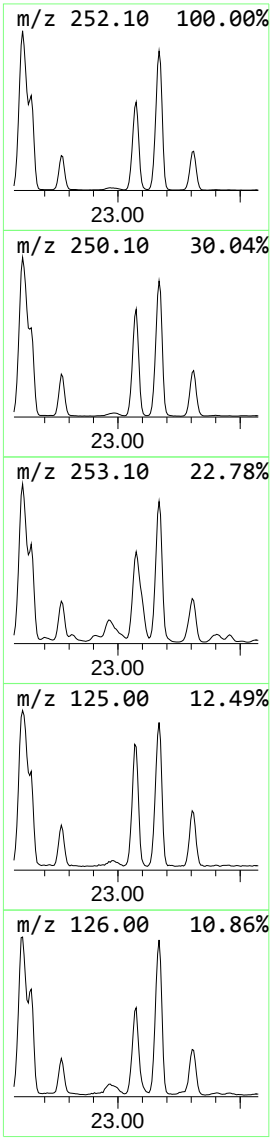
Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.074	29.01 ng	2857070	Perylene-d12	23.262

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	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Perylene	252	C20H12	000198-55-0	95
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092920\
Data File : BP003411.D
Acq On : 29 Sep 2020 21:54
Operator : CG/JU
Sample : L4172-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-6(11-13)

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
Dibenzofuran, 4...	15.557	3.5	ng	196410	3	14.198	1131420	20.0
9H-Fluorene, 2-...	16.269	3.4	ng	232377	4	16.957	1352410	20.0
9H-Fluoren-9-one	16.616	3.5	ng	239014	4	16.957	1352410	20.0
Dibenzothiophene	16.775	5.8	ng	392162	4	16.957	1352410	20.0
Phenanthridine	17.151	2.7	ng	179860	4	16.957	1352410	20.0
Anthracene, 2-m...	17.833	9.8	ng	666132	4	16.957	1352410	20.0
Phenanthrene, 2...	17.880	14.1	ng	950143	4	16.957	1352410	20.0
1H-Cyclopropa[l...	17.963	6.0	ng	404356	4	16.957	1352410	20.0
4H-Cyclopenta[d...	18.022	20.5	ng	1386390	4	16.957	1352410	20.0
Phenanthrene, 1...	18.057	6.5	ng	436941	4	16.957	1352410	20.0
Naphthalene, 2-...	18.322	7.2	ng	488547	4	16.957	1352410	20.0
9,10-Anthracene...	18.369	5.7	ng	387392	4	16.957	1352410	20.0
Phenanthrene, 2...	18.733	6.9	ng	464712	4	16.957	1352410	20.0
9,10-di(Chlorom...	18.792	5.0	ng	336814	4	16.957	1352410	20.0
Cyclopenta(def)...	18.869	7.0	ng	472517	4	16.957	1352410	20.0
11H-Benzo[b]flu...	19.827	3.3	ng	1276080	5	21.068	7736120	20.0
Cyclopenta[cd]p...	20.792	3.4	ng	1320430	5	21.068	7736120	20.0
7,12-Dihydroben...	22.357	4.2	ng	415480	6	23.262	1969540	20.0
Benzo[e]pyrene	22.768	8.7	ng	860919	6	23.262	1969540	20.0
Perylene	23.074	29.0	ng	2857070	6	23.262	1969540	20.0