LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032922\
Data File : BP009611.D
Acq On : 30 Mar 2022 00:40
Operator : CG/JU
Sample : N2095-04 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP009611.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.369	398	405	430	rBV	1676025	3082326	4.21%	0.350%
2	6.957	663	675	691	rBV	1519949	3322620	4.54%	0.377%
3	7.763	804	812	823	rBV	1095313	1941028	2.65%	0.220%
4	8.922	1002	1009	1019	rBV	991669	1933115	2.64%	0.220%
5	10.557	1278	1287	1291	rBV	1462117	2744718	3.75%	0.312%
6	10.604	1291	1295	1307	rVB	934888	1737667	2.37%	0.197%
7	13.028	1700	1707	1723	rVB	3196819	5032886	6.88%	0.572%
8	13.581	1793	1801	1808	rBV2	330243	906669	1.24%	0.103%
9	13.734	1820	1827	1832	rBV	698407	1247262	1.70%	0.142%
10	14.128	1887	1894	1910	rBV	3660366	6277547	8.58%	0.713%
11	14.410	1934	1942	1948	rBV	2251481	3697602	5.05%	0.420%
12	14.475	1948	1953	1961	rVB	1247082	2059449	2.81%	0.234%
13	14.810	2004	2010	2019	rVV2	1814495	3231878	4.42%	0.367%
14	14.892	2019	2024	2030	rVB	733784	1121181	1.53%	0.127%
15	15.033	2040	2048	2053	rBV4	741738	1564803	2.14%	0.178%
16	15.204	2069	2077	2081	rBV2	506282	1122073	1.53%	0.127%
17	15.286	2087	2091	2097	rVB	573862	857258	1.17%	0.097%
18	15.463	2116	2121	2133	rVB2	2543675	4723376	6.45%	0.536%
19	15.763	2167	2172	2183	rVB	1453344	2540886	3.47%	0.289%
20	15.910	2188	2197	2206	rVV	3755408	7181790	9.81%	0.816%
21	16.151	2232	2238	2247	rBV3	845756	1456280	1.99%	0.165%
22	16.480	2286	2294	2299	rBV2	1151342	2490109	3.40%	0.283%
23	16.628	2314	2319	2324	rVB3	444155	776972	1.06%	0.088%
24	16.710	2325	2333	2337	rBV2	1471671	2668283	3.65%	0.303%
25	16.751	2337	2340	2343	rVB	925457	1039835	1.42%	0.118%
26	16.833	2350	2354	2361	rVB2	1362807	2250659	3.08%	0.256%
27	16.910	2361	2367	2373	rVV	1563807	3098872	4.23%	0.352%
28	16.992	2374	2381	2391	rVB	2147462	4283666	5.85%	0.486%
29	17.180	2407	2413	2415	rBV	2381037	3927648	5.37%	0.446%
30	17.227	2415	2421	2427	rVV	23123855	40585653	55.46%	4.609%
31	17.316	2427	2436	2441	rVV	10095295	15686418	21.44%	1.781%
32	17.369	2441	2445	2452	rVV4	1445093	2638449	3.61%	0.300%
33	17.586	2474	2482	2486	rVV2	1623159	3166992	4.33%	0.360%
34	17.627	2486	2489	2497	rVV2	933292	2100983	2.87%	0.239%
35	17.698	2497	2501	2508	rVV2	1303123	2328081	3.18%	0.264%
36	17.763	2508	2512	2520	rVV5	1102656	2152106	2.94%	0.244%

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032922\
Data File : BP009611.D
Acq On : 30 Mar 2022 00:40
Operator : CG/JU
Sample : N2095-04 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.898	2532	2535	2541	rVB	753613	1252218	1.71%	0.142%
38	18.051	2555	2561	2565	rVV	5320732	8464959	11.57%	0.961%
39	18.104	2565	2570	2576	rVB	8177527	12093700	16.53%	1.373%
40	18.180	2577	2583	2588	rBV	4421681	6567190	8.97%	0.746%
41	18.245	2588	2594	2598	rVV2	7953770	15376462	21.01%	1.746%
42	18.280	2598	2600	2607	rVB	3938714	4741857	6.48%	0.538%
43	18.351	2608	2612	2616	rBV4	651819	1099390	1.50%	0.125%
44	18.539	2639	2644	2648	rVV	3947806	5353570	7.32%	0.608%
45	18.592	2648	2653	2661	rVB2	2356071	3276549	4.48%	0.372%
46	18.780	2678	2685	2689	rBV2	1400199	2654041	3.63%	0.301%
47	18.827	2689	2693	2697	rVB	1510774	1754509	2.40%	0.199%
48	18.869	2697	2700	2704	rVB	1628490	2157278	2.95%	0.245%
49	18.945	2705	2713	2718	rBV	4218063	8369971	11.44%	0.950%
50	19.010	2721	2724	2727	rVV2	980835	1263459	1.73%	0.143%
51	19.098	2733	2739	2746	rVB2	4119694	7853985	10.73%	0.892%
52	19.222	2751	2760	2765	rBV2	33168131	67366619	92.06%	7.650%
53	19.269	2765	2768	2771	rBV	967129	1202112	1.64%	0.137%
54	19.304	2771	2774	2778	rVB	1329878	1706683	2.33%	0.194%
55	19.357	2778	2783	2787	rBV	6548683	8472401	11.58%	0.962%
56	19.410	2788	2792	2794	rBV2	790476	1273936	1.74%	0.145%
57	19.445	2794	2798	2802	rVV	1942413	2671209	3.65%	0.303%
58	19.574	2809	2820	2826	rBV3	31801262	73179263	100.00%	8.310%
59	19.633	2826	2830	2837	rVB3	3690154	6264762	8.56%	0.711%
60	19.739	2842	2848	2849	rVV	4347978	6166223	8.43%	0.700%
61	19.757	2849	2851	2855	rVV	5542851	6662153	9.10%	0.757%
62	19.798	2855	2858	2864	rVB	3358856	5265289	7.20%	0.598%
63	19.880	2866	2872	2878	rBV3	4476953	11538506	15.77%	1.310%
64	20.016	2889	2895	2897	rBV4	3822598	7211916	9.86%	0.819%
65	20.051	2897	2901	2905	rVB	6978650	10234911	13.99%	1.162%
66	20.098	2906	2909	2913	rBV5	659707	1312041	1.79%	0.149%
67	20.145	2913	2917	2921	rBV	3017994	3931787	5.37%	0.446%
68	20.204	2921	2927	2931	rVB3	5677684	9797664	13.39%	1.113%
69	20.280	2937	2940	2945	rBV3	1322210	2049931	2.80%	0.233%
70	20.339	2946	2950	2954	rVV	2773745	4127381	5.64%	0.469%
71	20.386	2954	2958	2962	rVB	3121128	4236823	5.79%	0.481%
72	20.598	2989	2994	2996	rBV3	1161682	2087541	2.85%	0.237%
73	20.792	3022	3027	3033	rBV	6296215	8852115	12.10%	1.005%
74	20.945	3048	3053	3057	rBV2	5922265	10018003	13.69%	1.138%
75	20.986	3057	3060	3063	rVV	5646584	7191011	9.83%	0.817%
76	21.033	3063	3068	3072	rVV2	5152766	8685810	11.87%	0.986%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032922\
Data File : BP009611.D
Acq On : 30 Mar 2022 00:40
Operator : CG/JU
Sample : N2095-04 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	21.086	3074	3077	3086	rVB	6066864	8724885	11.92%	0.991%
78	21.186	3087	3094	3102	rBV	2043418	5868511	8.02%	0.666%
79	21.298	3103	3113	3117	rBV3	28706027	58954271	80.56%	6.695%
80	21.351	3117	3122	3129	rVB	23349467	38488638	52.60%	4.371%
81	21.427	3129	3135	3138	rBV	9871708	15565395	21.27%	1.768%
82	21.463	3138	3141	3146	rVB	2930251	3686158	5.04%	0.419%
83	21.521	3147	3151	3155	rBV2	3266134	4955037	6.77%	0.563%
84	21.627	3165	3169	3174	rBV3	3815883	6395202	8.74%	0.726%
85	21.680	3175	3178	3182	rVB4	1669693	2095116	2.86%	0.238%
86	21.815	3198	3201	3205	rBV	1981602	2666072	3.64%	0.303%
87	21.880	3206	3212	3216	rVV	5934023	10556083	14.42%	1.199%
88	21.933	3218	3221	3227	rVB	2828631	4012444	5.48%	0.456%
89	22.086	3243	3247	3251	rBV2	2713721	4418519	6.04%	0.502%
90	22.186	3261	3264	3269	rVB2	1909093	2903215	3.97%	0.330%
91	22.704	3347	3352	3363	rVB2	2685362	6360445	8.69%	0.722%
92	22.998	3392	3402	3406	rBV	17970507	51935080	70.97%	5.898%
93	23.168	3425	3431	3437	rBV	5276246	9580206	13.09%	1.088%
94	23.310	3450	3455	3464	rBV3	1648696	5052044	6.90%	0.574%
95	23.510	3481	3489	3498	rVB	10086845	26928206	36.80%	3.058%
96	23.621	3499	3508	3515	rVB	17104415	38282177	52.31%	4.347%
97	23.710	3519	3523	3527	rVV2	2255727	4749338	6.49%	0.539%
98	23.768	3528	3533	3542	rVB2	6045076	13914566	19.01%	1.580%
99	26.239	3942	3953	3962	rVB	8649031	31059103	42.44%	3.527%
100	27.015	4074	4085	4101	rVB	5978799	22704924	31.03%	2.578%

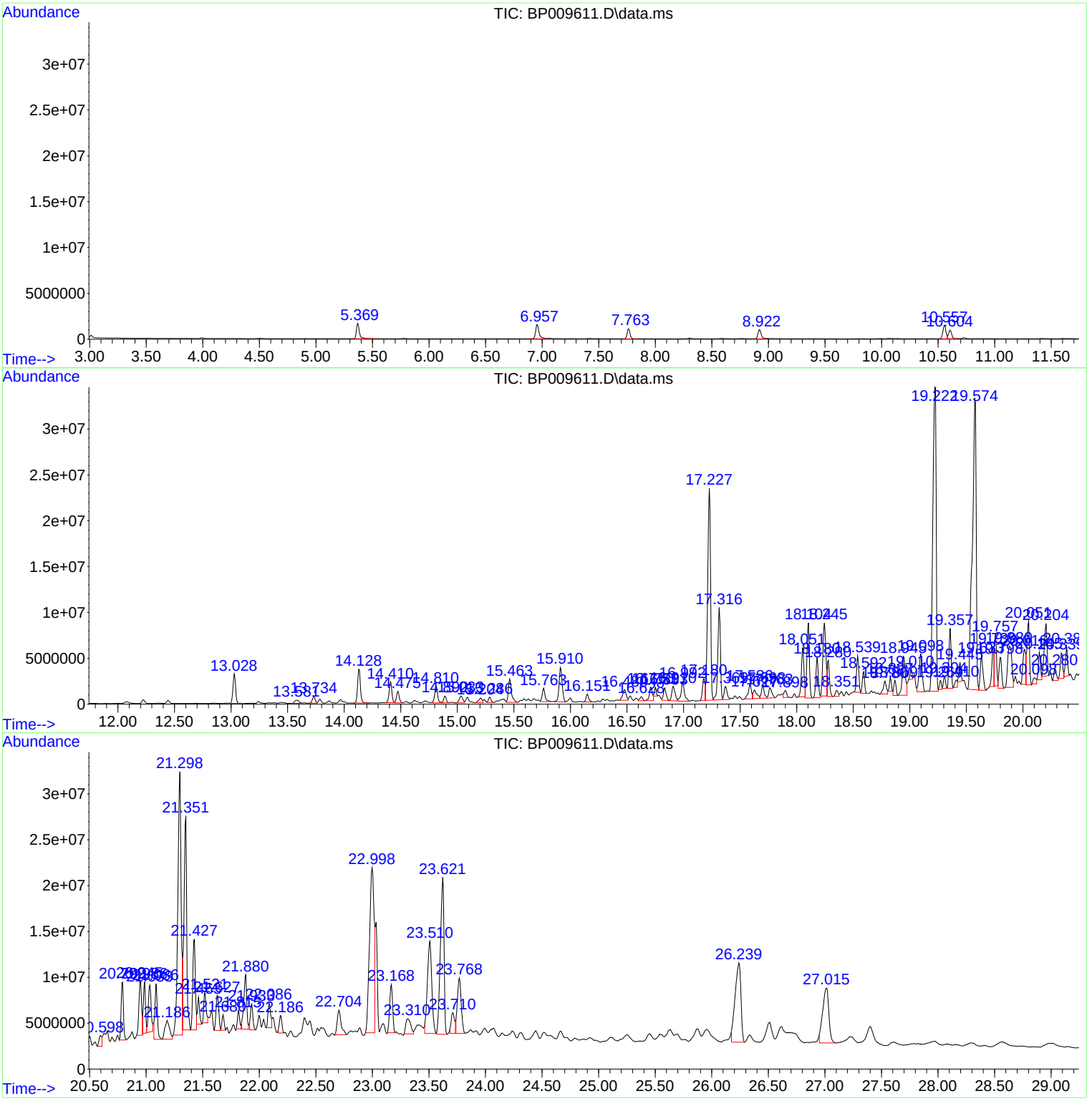
Sum of corrected areas: 880618003

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032922\
Data File : BP009611.D
Acq On : 30 Mar 2022 00:40
Operator : CG/JU
Sample : N2095-04 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032922\
Data File : BP009611.D
Acq On : 30 Mar 2022 00:40
Operator : CG/JU
Sample : N2095-04 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0

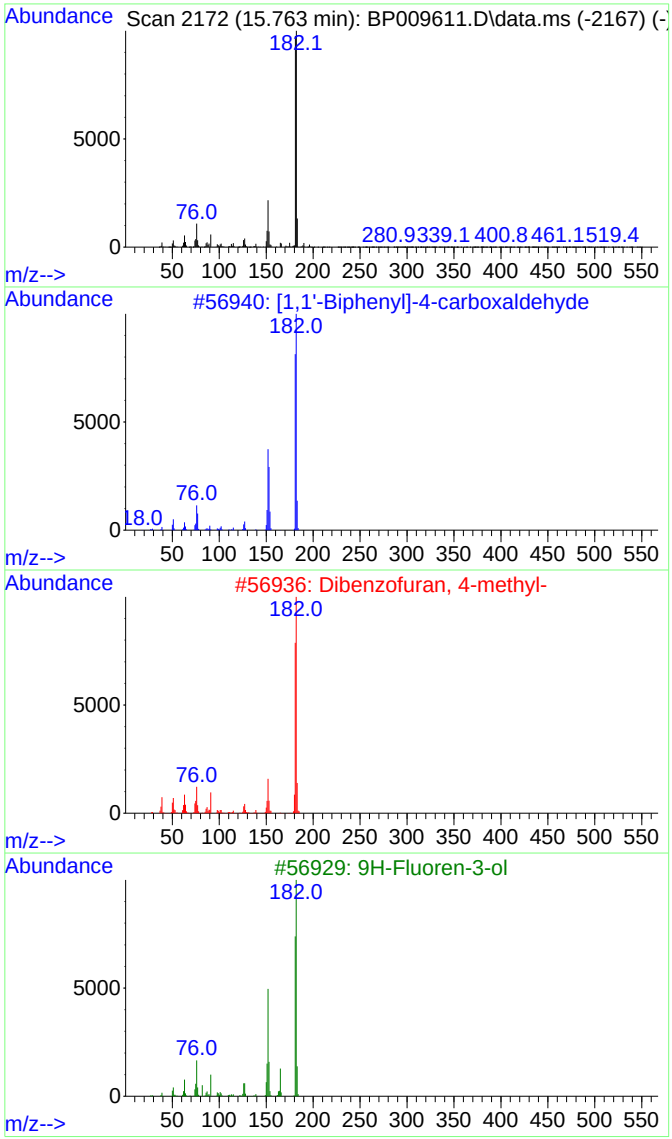
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

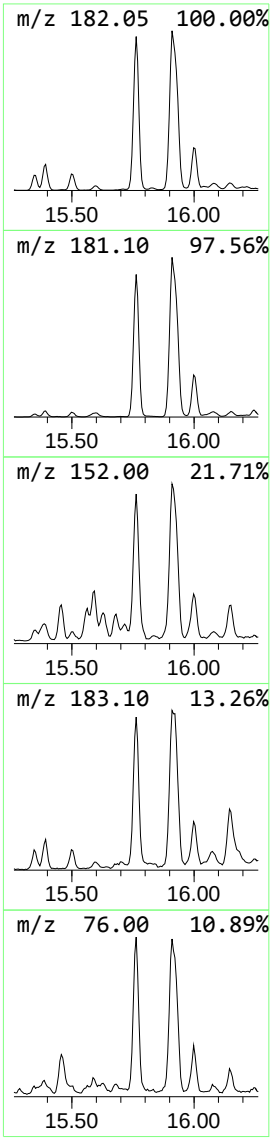
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.763	13.74 ng	2540890	Acenaphthene-d10	14.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
3	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	91
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032922\
Data File : BP009611.D
Acq On : 30 Mar 2022 00:40
Operator : CG/JU
Sample : N2095-04 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

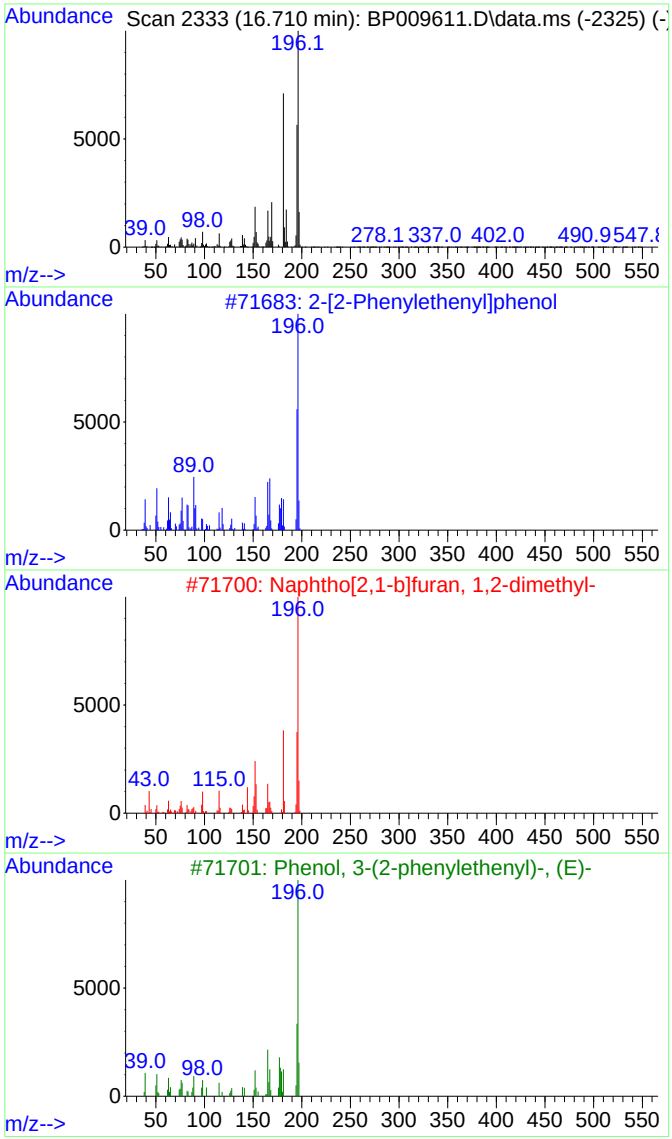
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

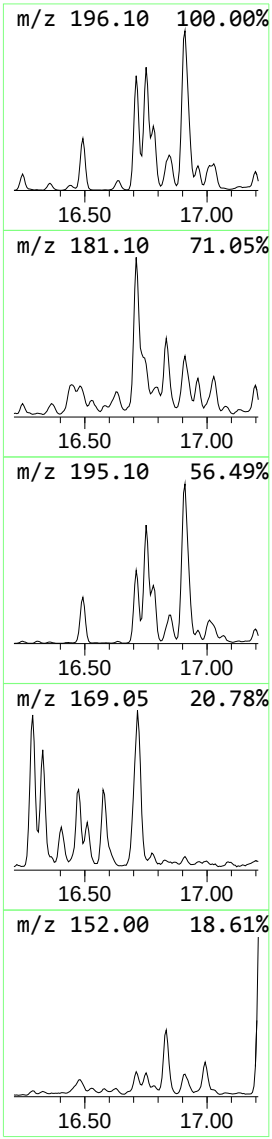
****

Peak Number 2 2-[2-Phenylethenyl]phenol Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.710	13.59 ng	2668280	Phenanthrene-d10	17.180

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	58
2	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	58
3	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	49
4	4,5-Dimethoxy-2-hydroxyacetophenone	196	C10H12O4	020628-06-2	49
5	Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032922\
Data File : BP009611.D
Acq On : 30 Mar 2022 00:40
Operator : CG/JU
Sample : N2095-04 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0

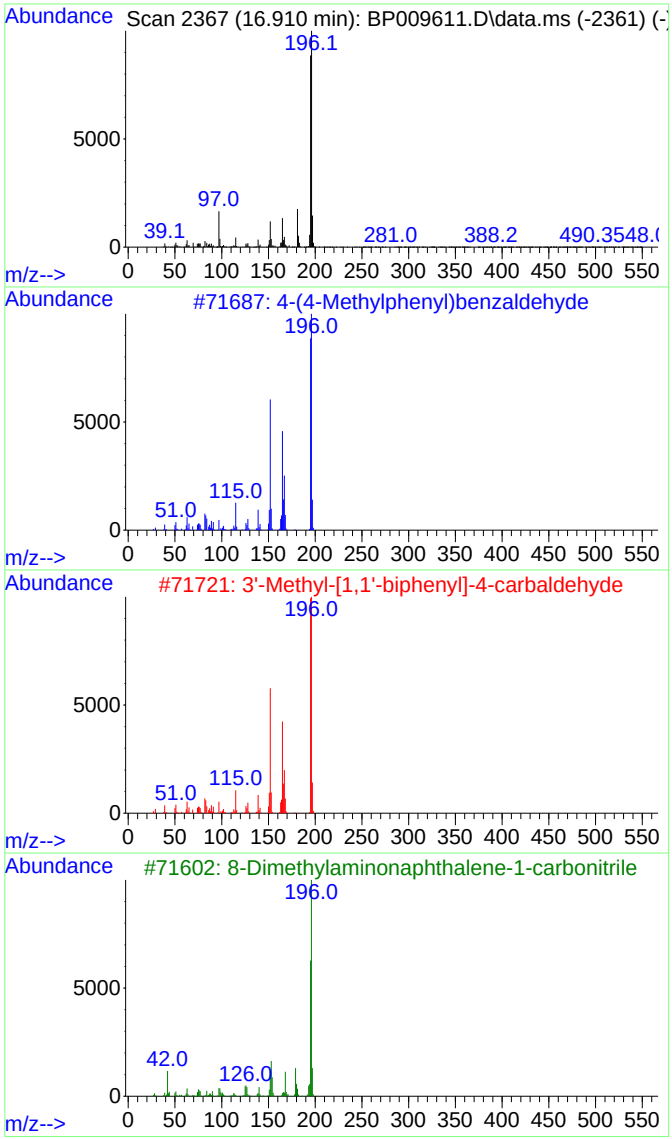
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

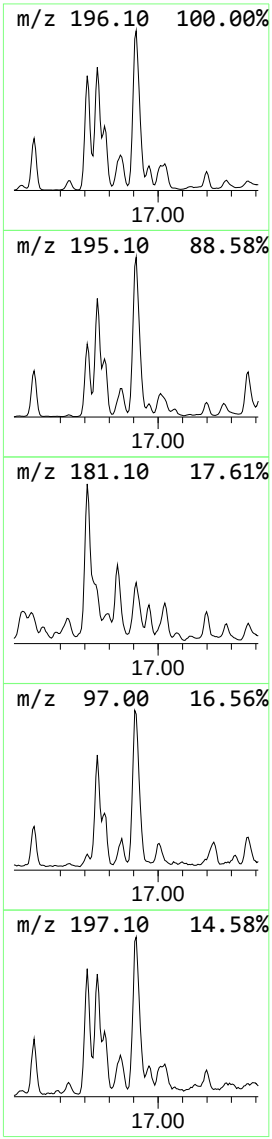
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 4-(4-Methylphenyl)benzaldehyde Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.910	15.78 ng	3098870	Phenanthrene-d10	17.180

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	87
2	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	87
3	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	72
4	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	64
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032922\
Data File : BP009611.D
Acq On : 30 Mar 2022 00:40
Operator : CG/JU
Sample : N2095-04 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

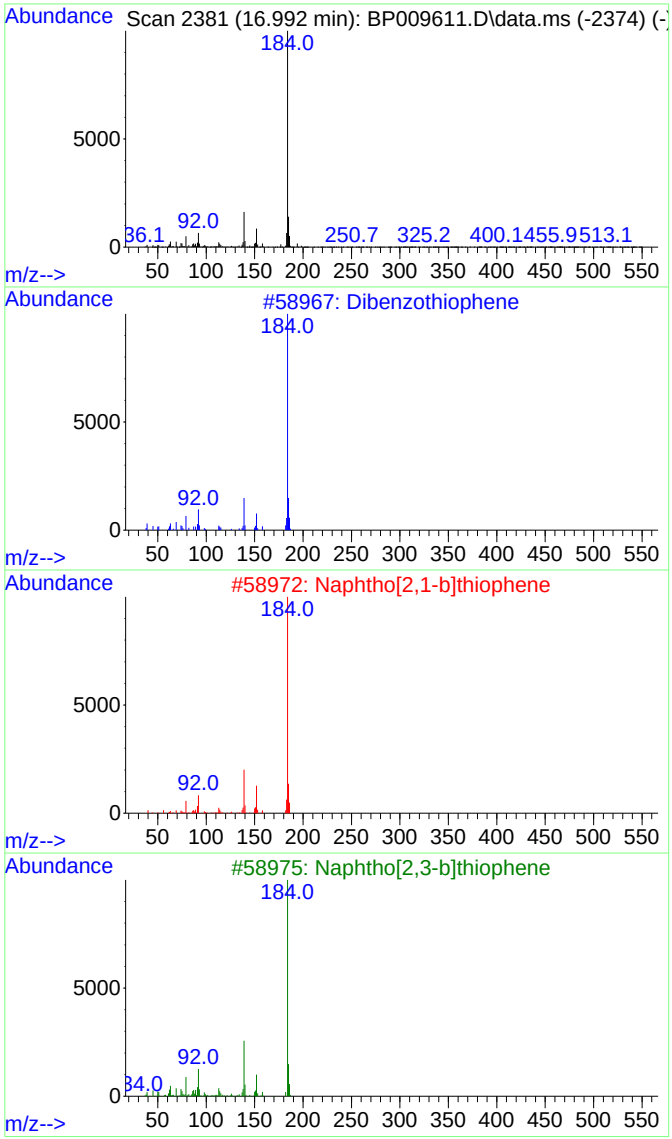
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

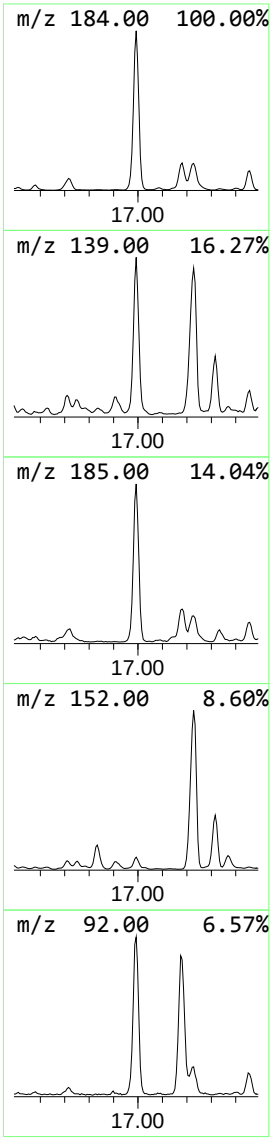
****

Peak Number 4 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.992	21.81 ng	4283670	Phenanthrene-d10	17.180

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	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032922\
Data File : BP009611.D
Acq On : 30 Mar 2022 00:40
Operator : CG/JU
Sample : N2095-04 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

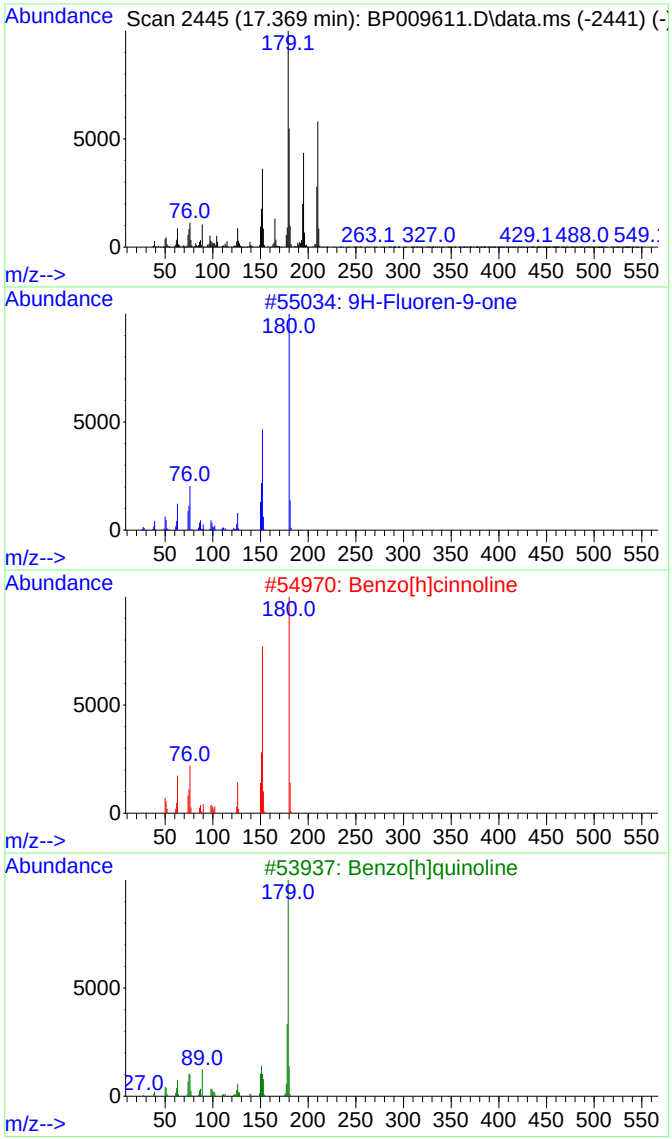
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

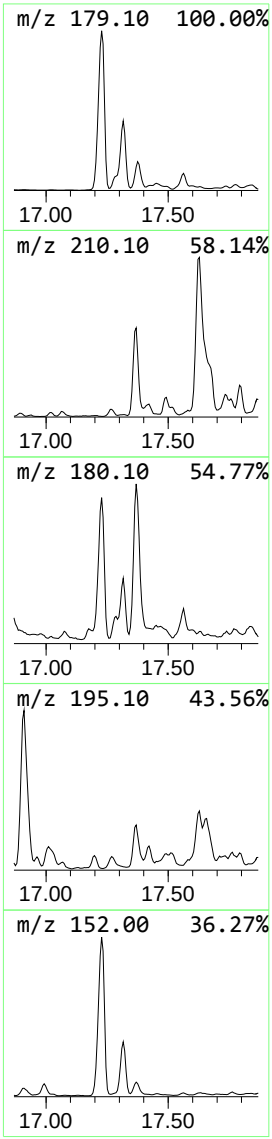
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.369	13.44 ng	2638450	Phenanthrene-d10	17.180

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	56
3	Benzo[h]quinoline	179	C13H9N	000230-27-3	47
4	9H-Carbazole, 9-ethyl-	195	C14H13N	000086-28-2	38
5	Phenanthridine	179	C13H9N	000229-87-8	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032922\
Data File : BP009611.D
Acq On : 30 Mar 2022 00:40
Operator : CG/JU
Sample : N2095-04 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

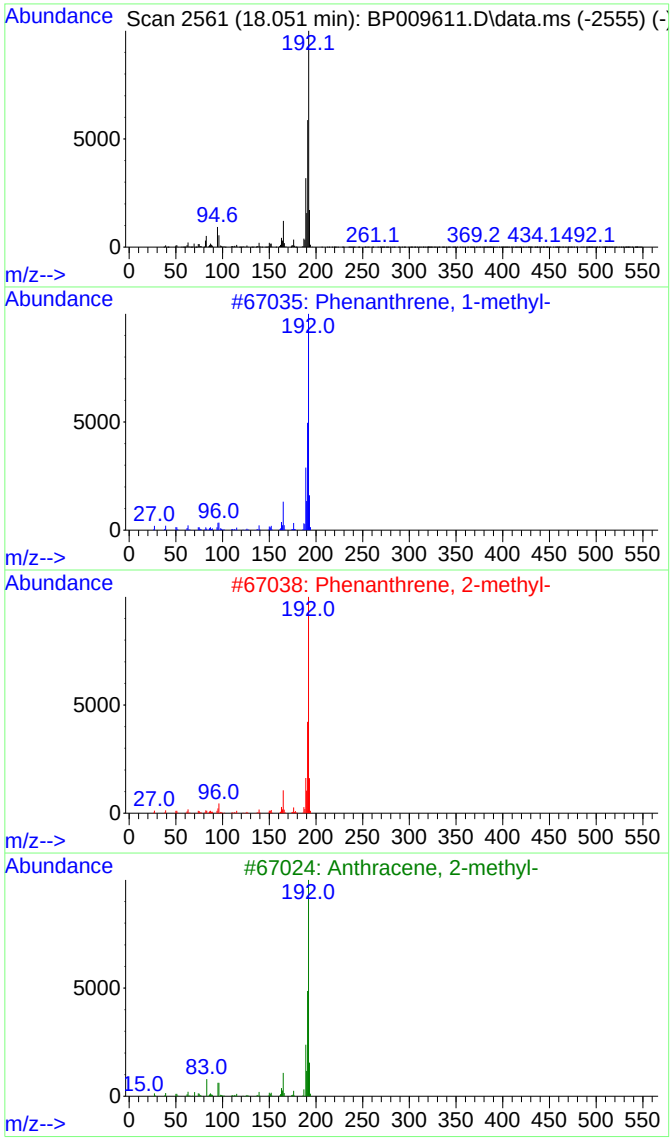
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

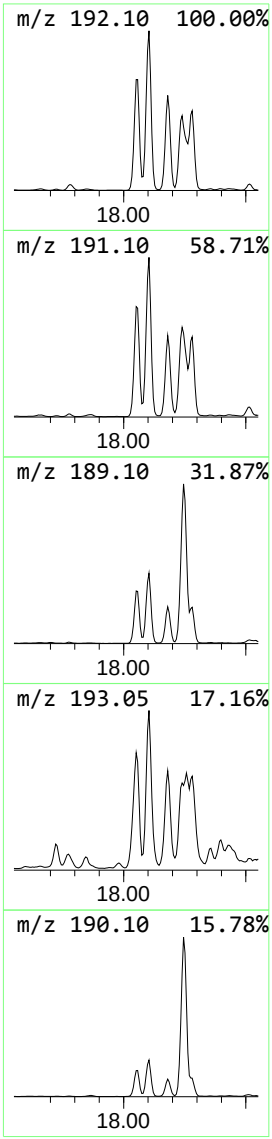
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.051	43.10 ng	8464960	Phenanthrene-d10	17.180

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	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032922\
Data File : BP009611.D
Acq On : 30 Mar 2022 00:40
Operator : CG/JU
Sample : N2095-04 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

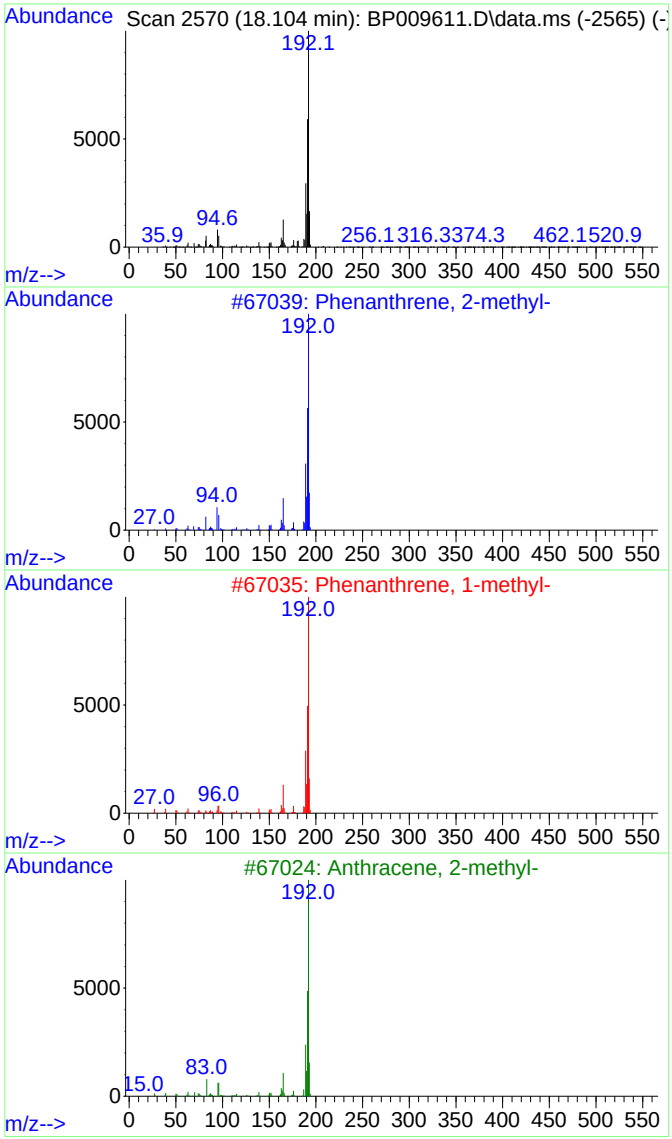
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

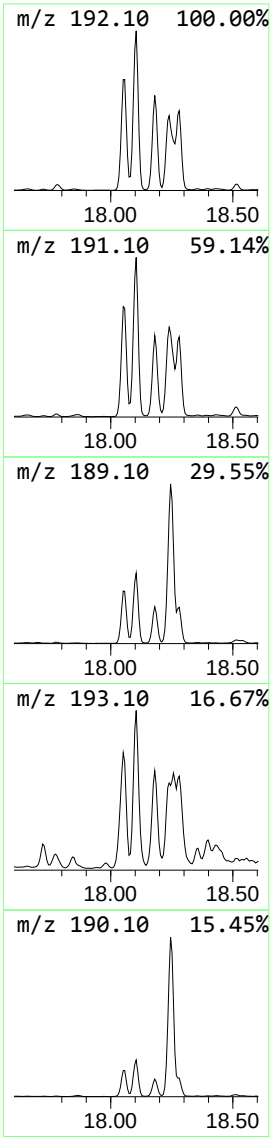
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.104	61.58 ng	12093700	Phenanthrene-d10	17.180

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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032922\
Data File : BP009611.D
Acq On : 30 Mar 2022 00:40
Operator : CG/JU
Sample : N2095-04 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0

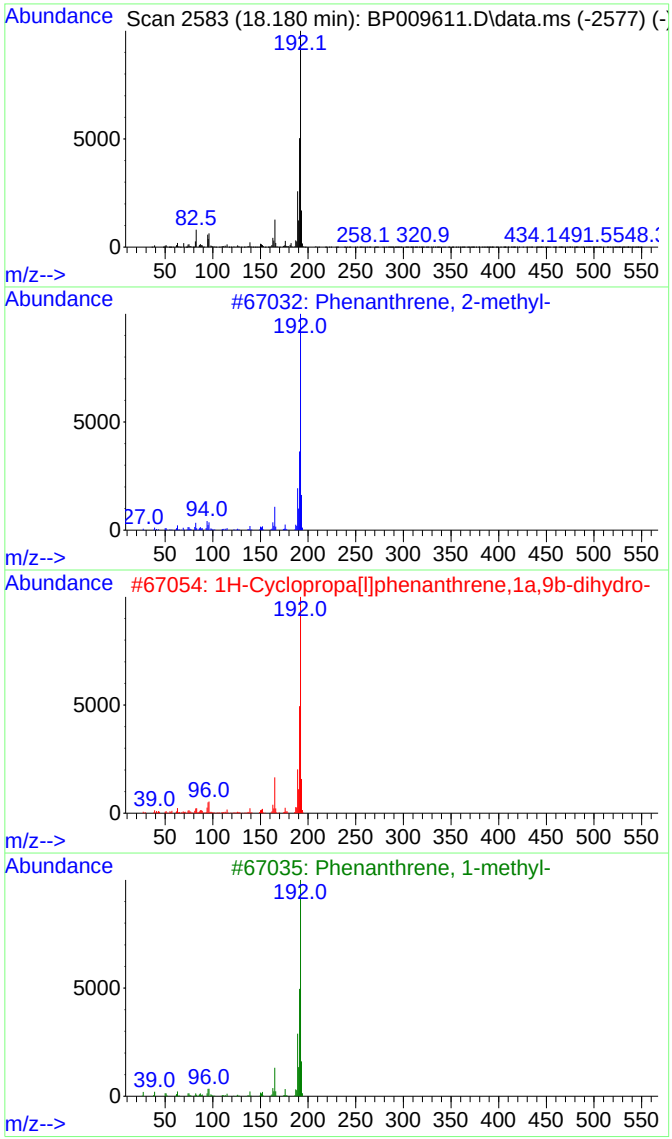
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

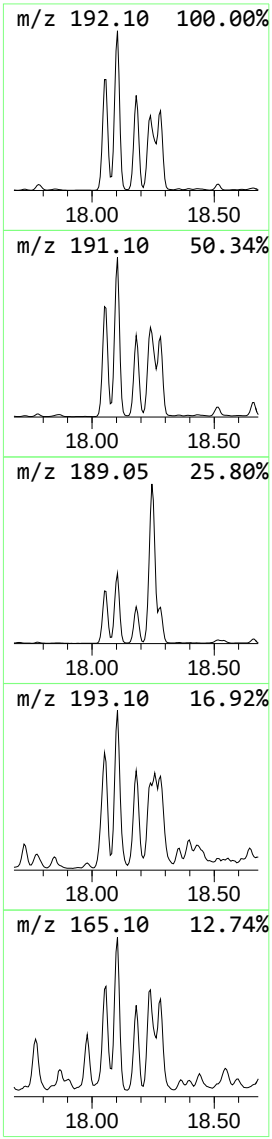
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.180	33.44 ng	6567190	Phenanthrene-d10	17.180

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032922\
Data File : BP009611.D
Acq On : 30 Mar 2022 00:40
Operator : CG/JU
Sample : N2095-04 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0

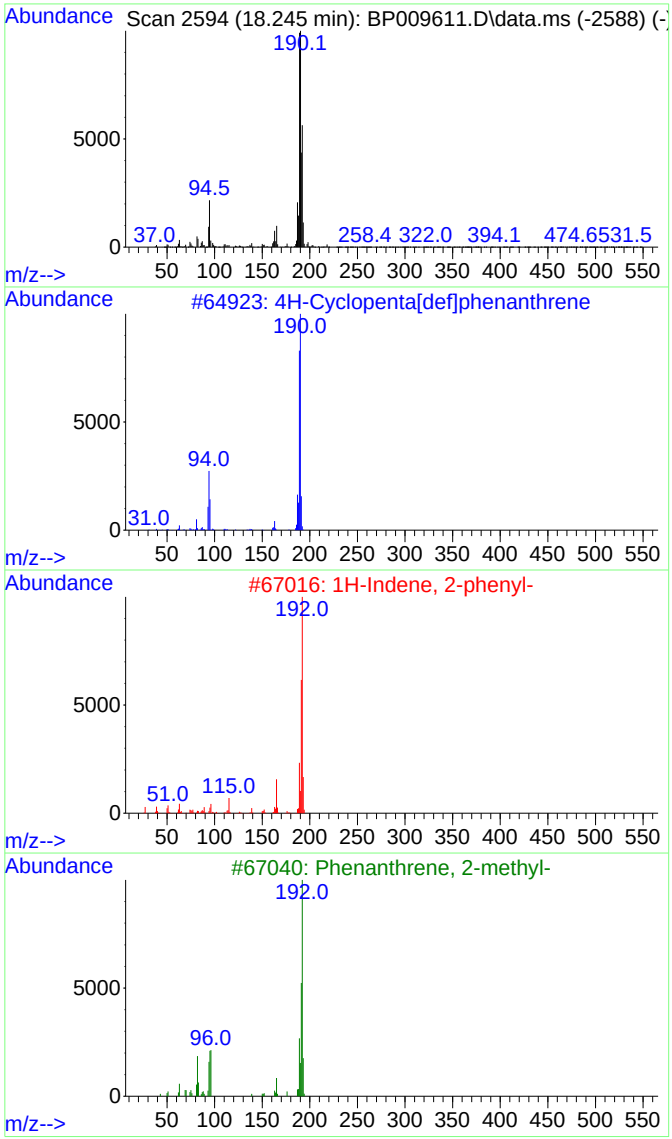
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

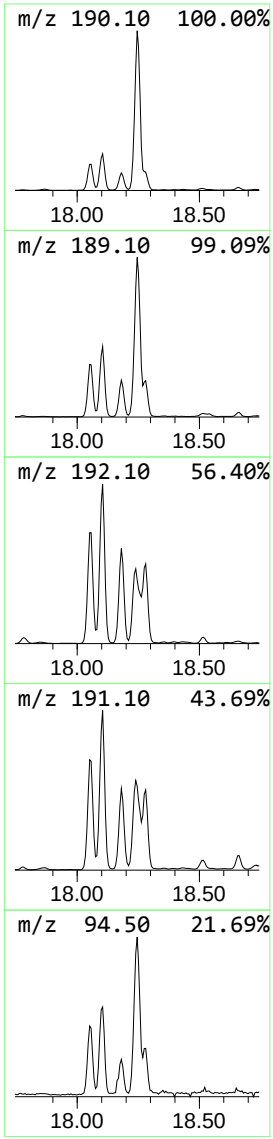
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.245	78.30 ng	15376500	Phenanthrene-d10	17.180

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	25
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	18





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032922\
Data File : BP009611.D
Acq On : 30 Mar 2022 00:40
Operator : CG/JU
Sample : N2095-04 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0

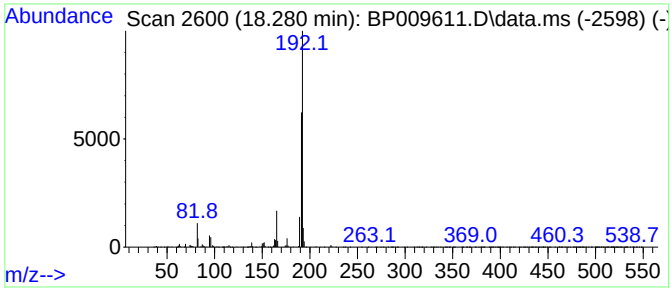
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

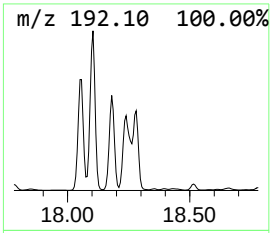
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

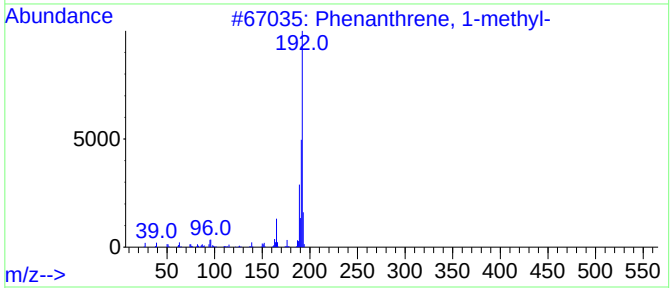
****
Peak Number 10 1H-Indene, 2-phenyl- Concentration Rank 12

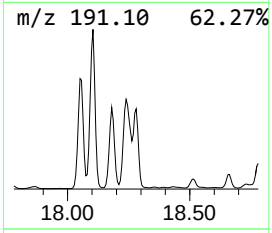
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.280	24.15 ng	4741860	Phenanthrene-d10	17.180

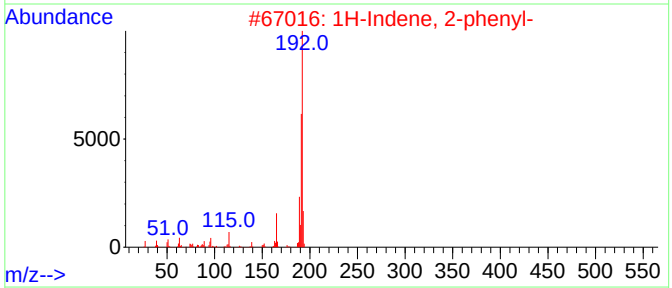
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	83

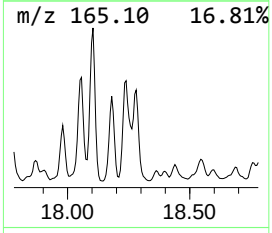


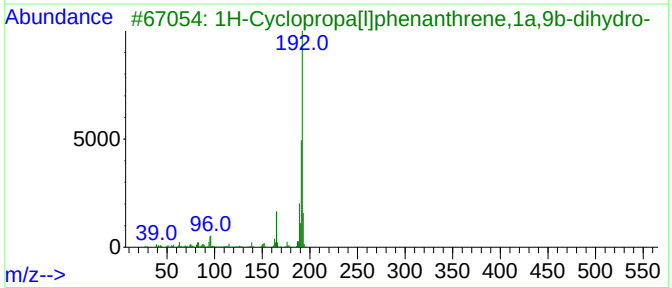


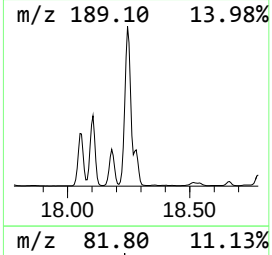


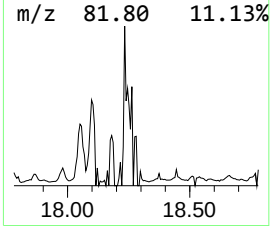












Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032922\
Data File : BP009611.D
Acq On : 30 Mar 2022 00:40
Operator : CG/JU
Sample : N2095-04 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0

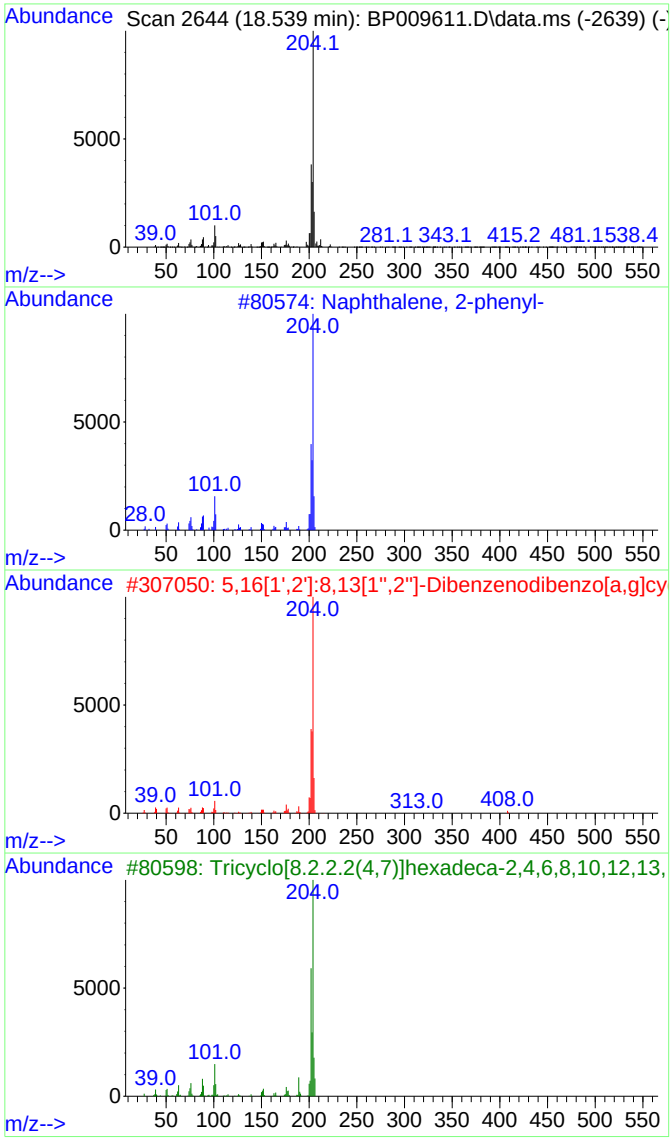
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

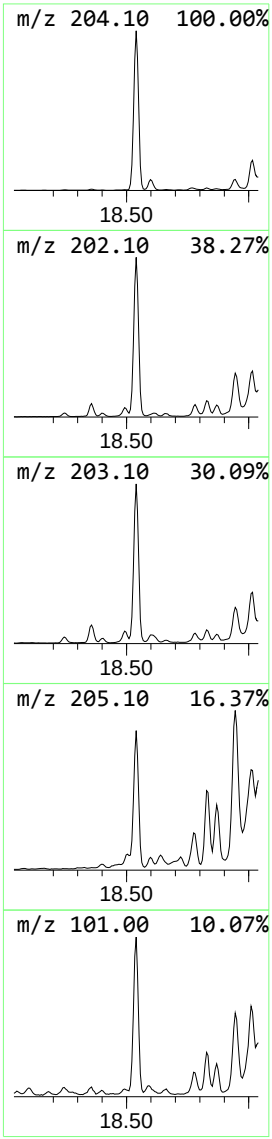
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.539	27.26 ng	5353570	Phenanthrene-d10	17.180

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032922\
Data File : BP009611.D
Acq On : 30 Mar 2022 00:40
Operator : CG/JU
Sample : N2095-04 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

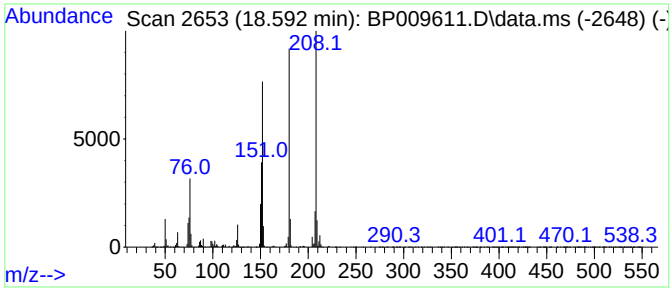
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

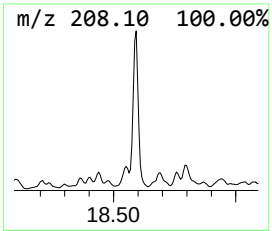
****

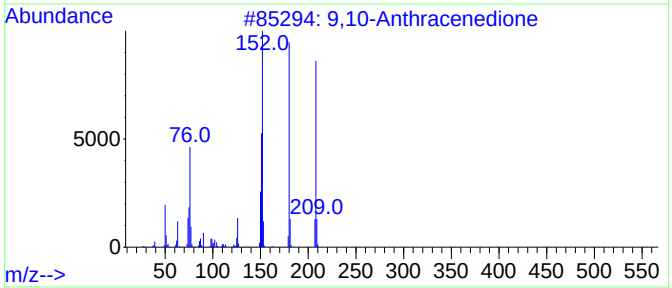
Peak Number 12 9,10-Anthracenedione Concentration Rank 15

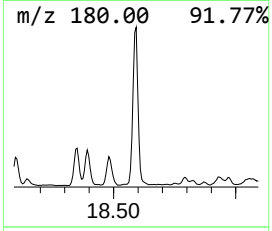
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.592	16.68 ng	3276550	Phenanthrene-d10	17.180

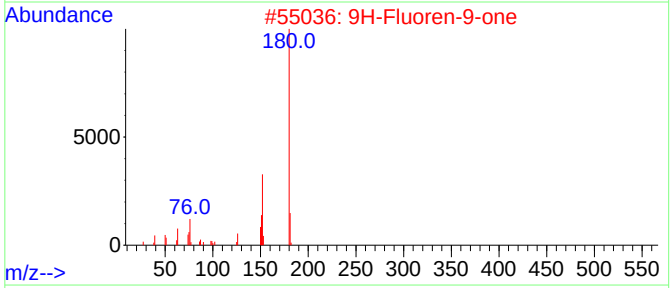
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60

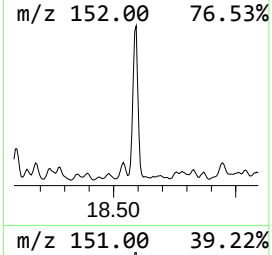


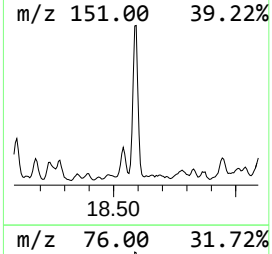


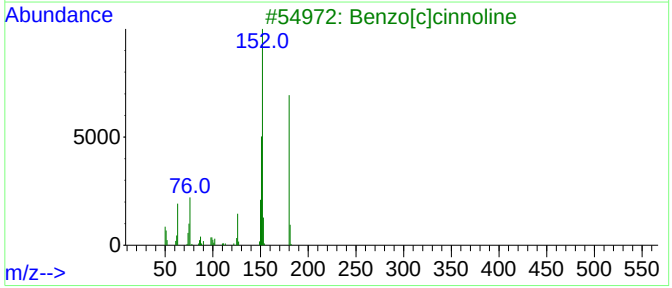


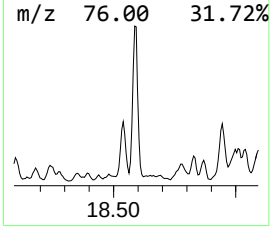












Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032922\
Data File : BP009611.D
Acq On : 30 Mar 2022 00:40
Operator : CG/JU
Sample : N2095-04 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0

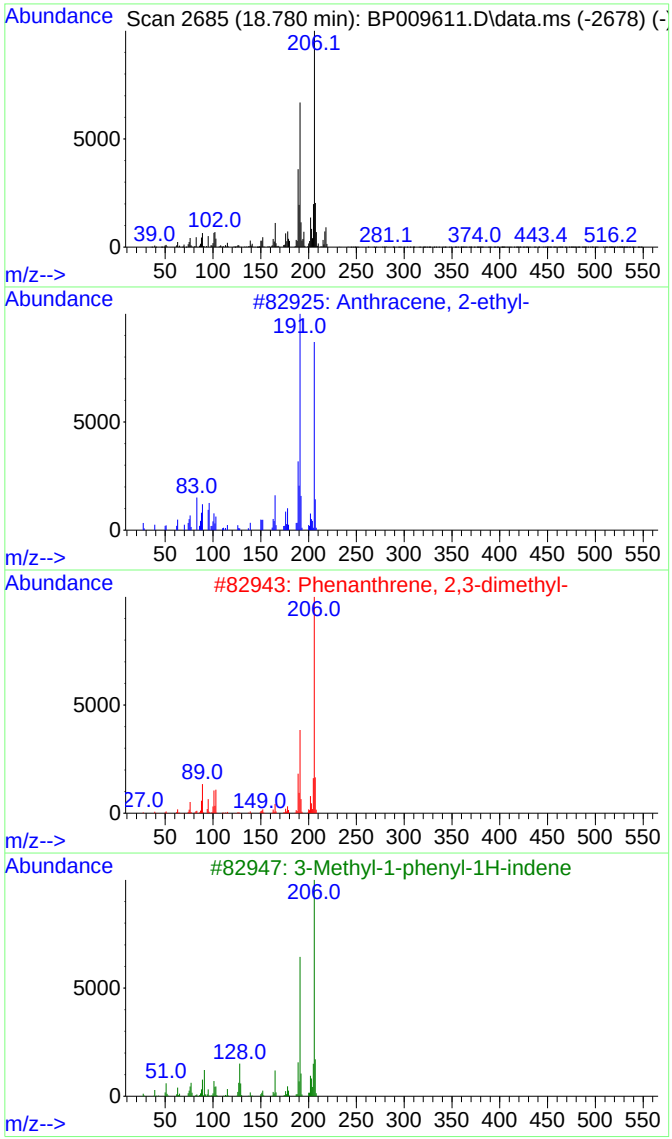
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

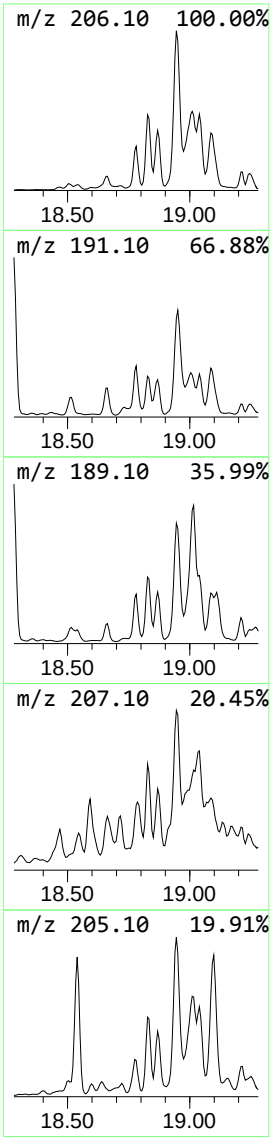
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Anthracene, 2-ethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.780	13.51 ng	2654040	Phenanthrene-d10	17.180

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	89
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	87
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032922\
Data File : BP009611.D
Acq On : 30 Mar 2022 00:40
Operator : CG/JU
Sample : N2095-04 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0

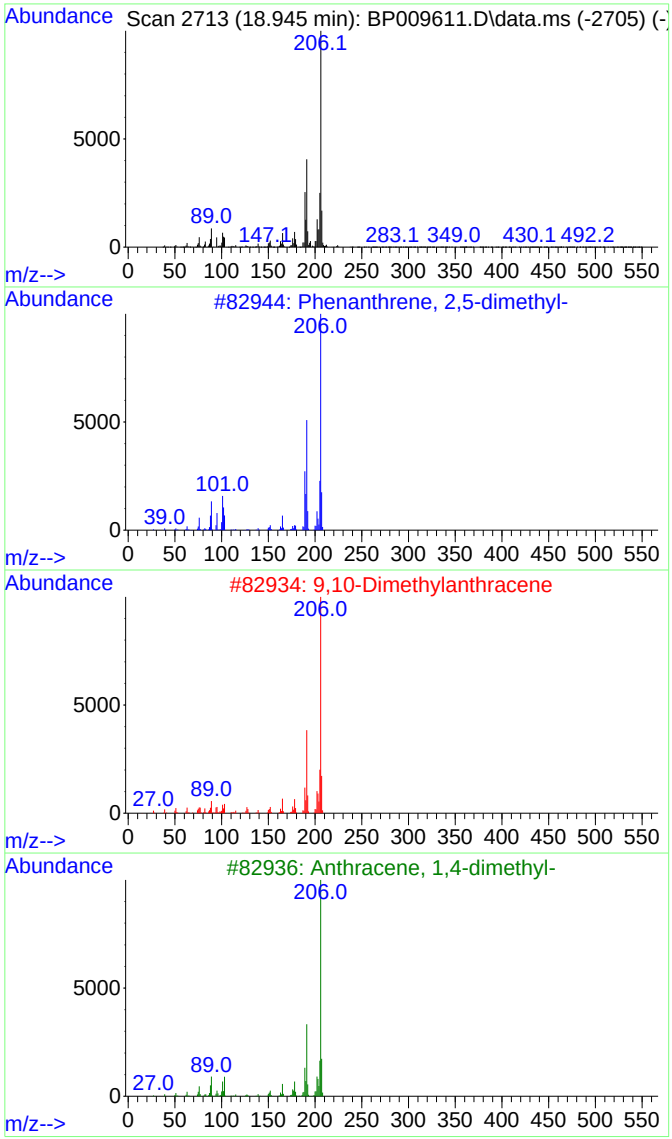
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

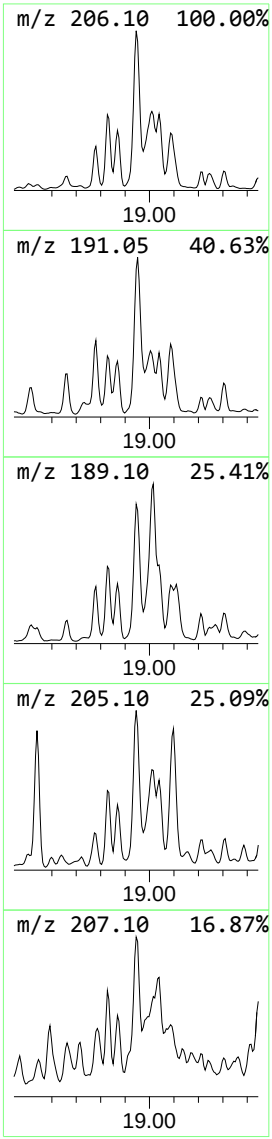
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.945	42.62 ng	8369970	Phenanthrene-d10	17.180

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032922\
Data File : BP009611.D
Acq On : 30 Mar 2022 00:40
Operator : CG/JU
Sample : N2095-04 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

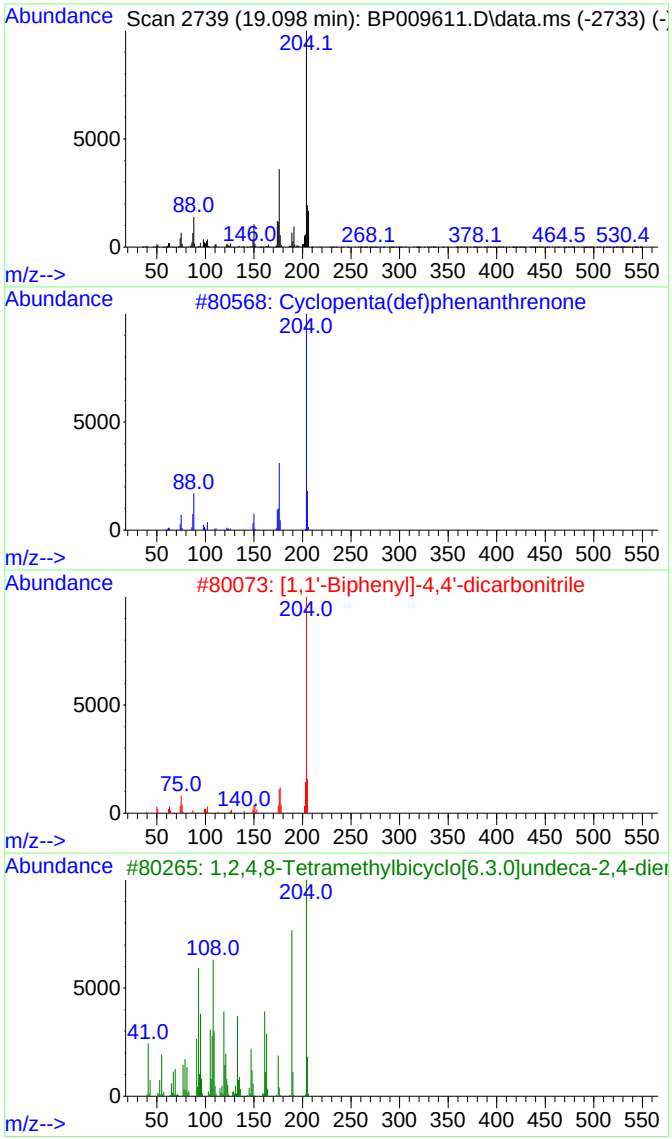
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

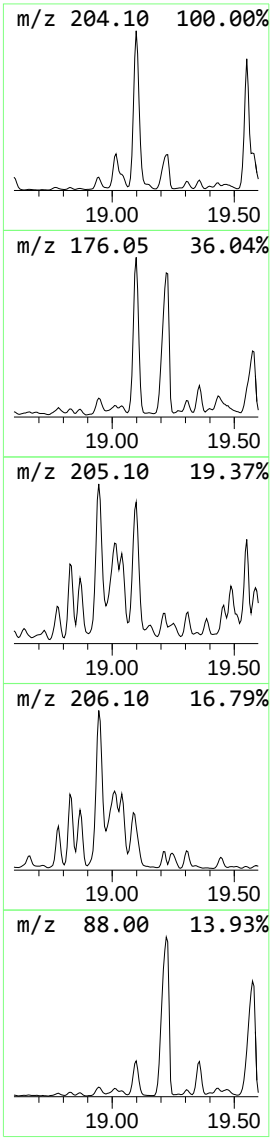
****

Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.098	39.99 ng	7853990	Phenanthrene-d10	17.180

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	58
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	47
4	2,2,4,4,6,6-Hexamethylcyclotrisi...	219	C6H21N3Si3	001009-93-4	47
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032922\
Data File : BP009611.D
Acq On : 30 Mar 2022 00:40
Operator : CG/JU
Sample : N2095-04 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

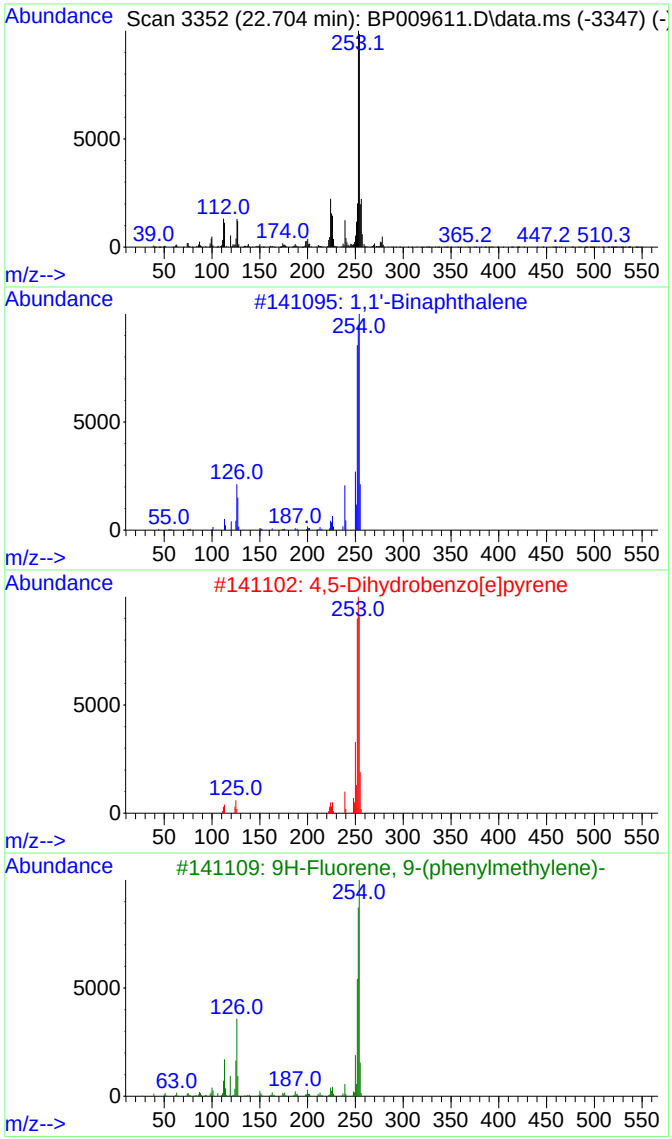
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

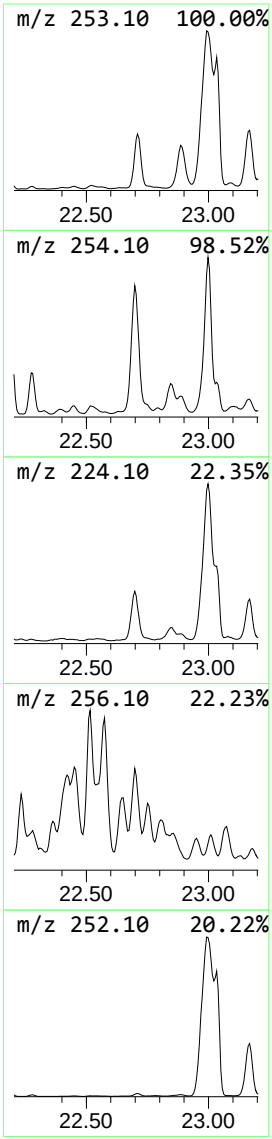
****

Peak Number 16 1,1'-Binaphthalene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.704	26.78 ng	6360450	Perylene-d12	23.709

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5	68
2	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	64
3	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	64
4	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	64
5	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032922\
Data File : BP009611.D
Acq On : 30 Mar 2022 00:40
Operator : CG/JU
Sample : N2095-04 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

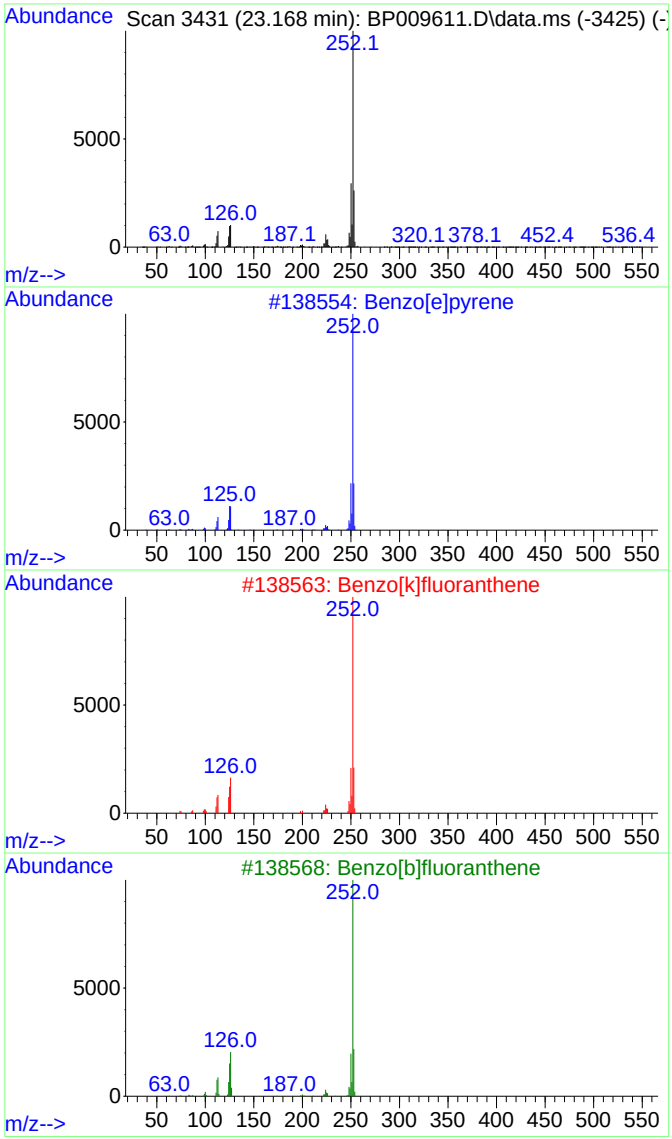
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

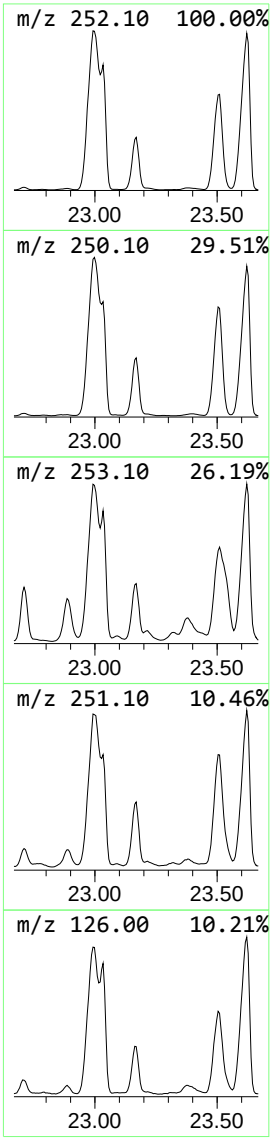
****

Peak Number 17 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.168	40.34 ng	9580210	Perylene-d12	23.709

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Perylene	252	C20H12	000198-55-0	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032922\
Data File : BP009611.D
Acq On : 30 Mar 2022 00:40
Operator : CG/JU
Sample : N2095-04 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0

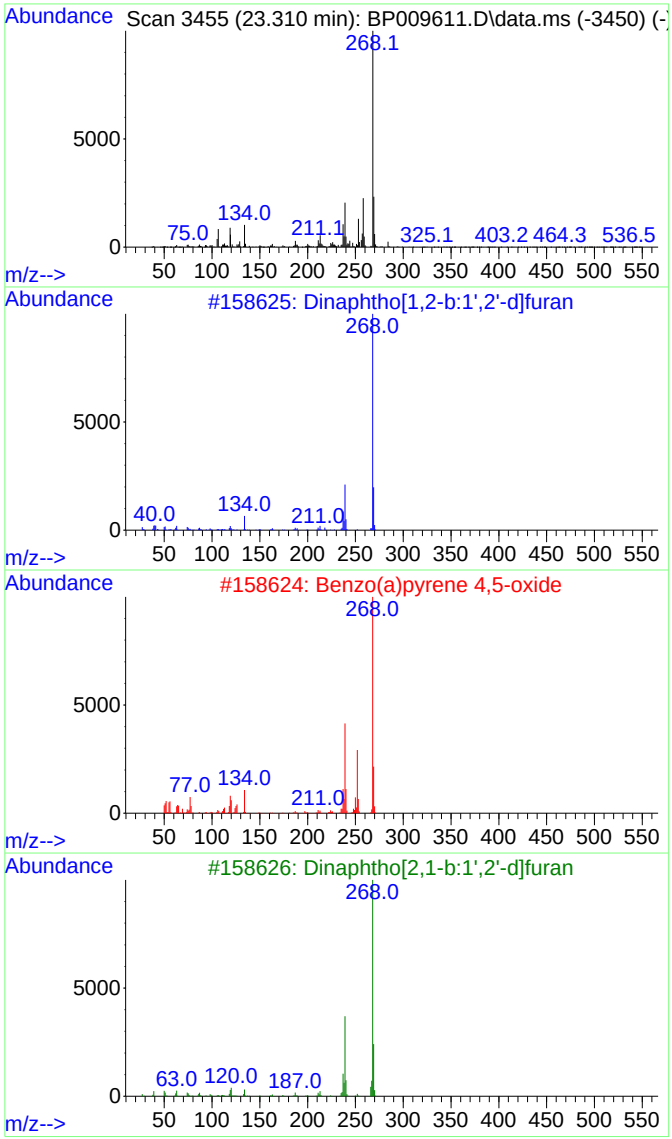
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

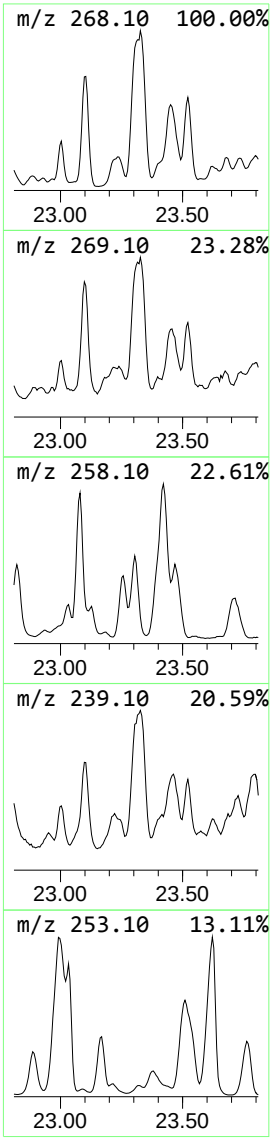
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.310	21.27 ng	5052040	Perylene-d12	23.709

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	81
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	72
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	62
4	2,3,4,9-Tetrahydro-1H-carbazole-...	268	C16H20N2Si	1000478-28-7	52
5	Benzo[c]pyren-6,7-diol, 4,5-dihy...	433	C29H23NO3	1000124-59-9	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032922\
Data File : BP009611.D
Acq On : 30 Mar 2022 00:40
Operator : CG/JU
Sample : N2095-04 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

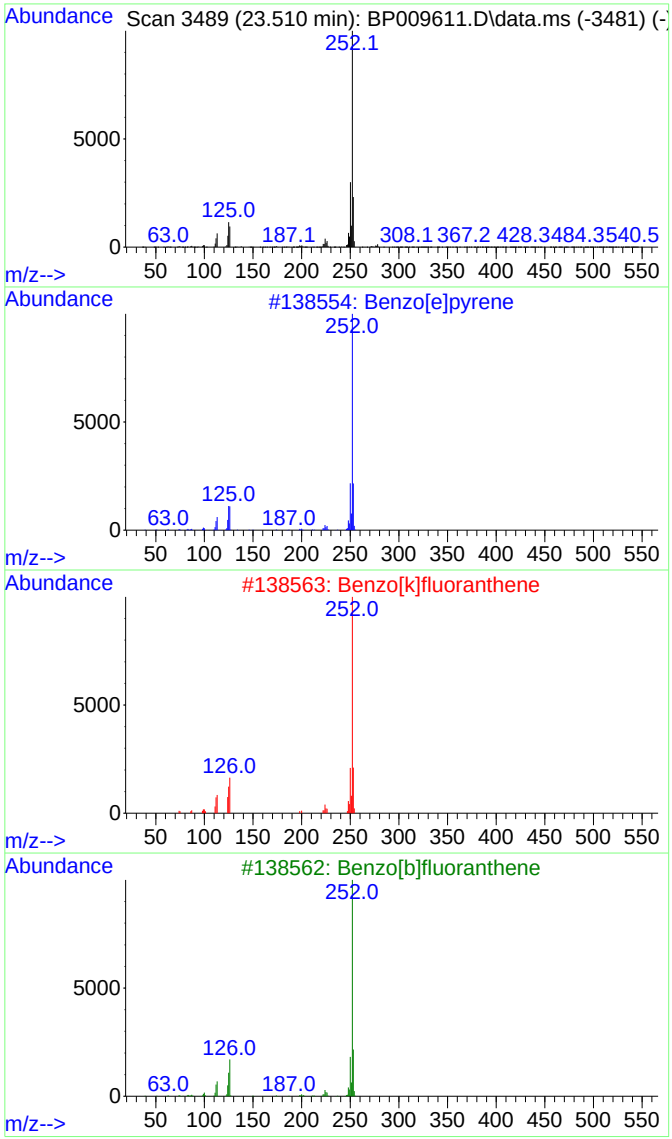
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

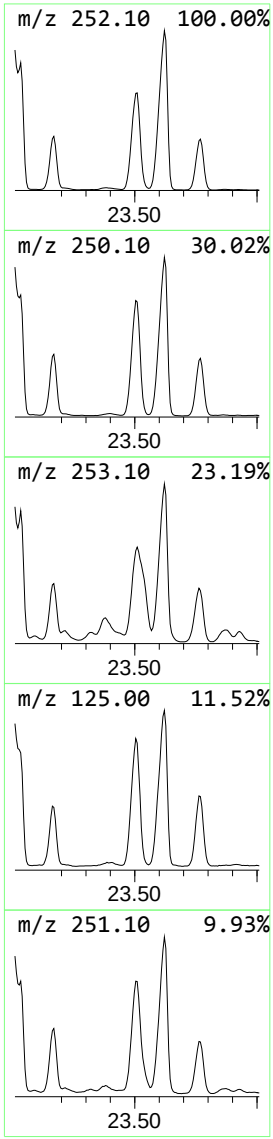
****

Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.509	113.40 ng	26928200	Perylene-d12	23.709

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
4	Perylene	252	C20H12	000198-55-0	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032922\
Data File : BP009611.D
Acq On : 30 Mar 2022 00:40
Operator : CG/JU
Sample : N2095-04 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
[1,1'-Biphenyl]...	15.763	13.7	ng	2540890	3	14.410	3697600	20.0
2-[2-Phenylethe...	16.710	13.6	ng	2668280	4	17.180	3927650	20.0
4-(4-Methylphen...	16.910	15.8	ng	3098870	4	17.180	3927650	20.0
Dibenzothiophene	16.992	21.8	ng	4283670	4	17.180	3927650	20.0
9H-Fluoren-9-one	17.369	13.4	ng	2638450	4	17.180	3927650	20.0
Phenanthrene, 1...	18.051	43.1	ng	8464960	4	17.180	3927650	20.0
Phenanthrene, 2...	18.104	61.6	ng	12093700	4	17.180	3927650	20.0
1H-Cyclopropa[1...	18.180	33.4	ng	6567190	4	17.180	3927650	20.0
4H-Cyclopenta[d...	18.245	78.3	ng	15376500	4	17.180	3927650	20.0
1H-Indene, 2-ph...	18.280	24.1	ng	4741860	4	17.180	3927650	20.0
Naphthalene, 2-...	18.539	27.3	ng	5353570	4	17.180	3927650	20.0
9,10-Anthracene...	18.592	16.7	ng	3276550	4	17.180	3927650	20.0
Anthracene, 2-e...	18.780	13.5	ng	2654040	4	17.180	3927650	20.0
Phenanthrene, 2...	18.945	42.6	ng	8369970	4	17.180	3927650	20.0
Cyclopenta(def)...	19.098	40.0	ng	7853990	4	17.180	3927650	20.0
1,1'-Binaphthalene	22.704	26.8	ng	6360450	6	23.709	4749340	20.0
Benzo[e]pyrene	23.168	40.3	ng	9580210	6	23.709	4749340	20.0
Dinaphtho[1,2-b...	23.310	21.3	ng	5052040	6	23.709	4749340	20.0
Perylene	23.509	113.4	ng	26928200	6	23.709	4749340	20.0