LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008778.D
Acq On : 12 Jan 2022 17:27
Operator : CG/JU
Sample : N1097-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1S

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-BP010622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP008778.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.058	8	12	36	rVB	1662069	2980964	4.31%	0.370%
2	5.446	411	418	436	rBV	4618989	7659255	11.07%	0.951%
3	7.040	679	689	706	rBV	4833659	8236805	11.90%	1.023%
4	7.863	822	829	837	rBV	1316203	2153469	3.11%	0.268%
5	9.022	1013	1026	1037	rBV	3108386	5404397	7.81%	0.671%
6	10.446	1259	1268	1281	rBV	1581264	2608023	3.77%	0.324%
7	10.663	1297	1305	1310	rBV	1868652	3209407	4.64%	0.399%
8	12.545	1618	1625	1635	rVB	656761	1037768	1.50%	0.129%
9	13.128	1716	1724	1736	rBV	8964176	13096625	18.92%	1.627%
10	13.822	1833	1842	1847	rBV	778630	1415173	2.04%	0.176%
11	14.222	1901	1910	1921	rVB	891339	1414806	2.04%	0.176%
12	14.504	1947	1958	1963	rBV	3025335	5007040	7.23%	0.622%
13	14.563	1963	1968	1976	rVB	1587359	2566583	3.71%	0.319%
14	14.898	2019	2025	2033	rVV	1397015	2259613	3.26%	0.281%
15	15.469	2118	2122	2130	rVV3	947970	1520296	2.20%	0.189%
16	15.551	2130	2136	2147	rVB	2138044	3501865	5.06%	0.435%
17	15.845	2181	2186	2196	rVB	829731	1407517	2.03%	0.175%
18	15.992	2206	2211	2219	rVV	8352131	13021701	18.81%	1.618%
19	16.557	2296	2307	2312	rBV3	880923	2288732	3.31%	0.284%
20	16.610	2312	2316	2321	rVV2	799072	1248151	1.80%	0.155%
21	16.910	2362	2367	2374	rVV	1361009	2197653	3.18%	0.273%
22	16.992	2374	2381	2390	rVV5	641629	2075119	3.00%	0.258%
23	17.075	2390	2395	2405	rVB	1629902	2780783	4.02%	0.345%
24	17.257	2420	2426	2429	rBV	3480193	5493373	7.94%	0.682%
25	17.310	2429	2435	2440	rVV	26117025	43905629	63.43%	5.454%
26	17.392	2440	2449	2454	rVB	7614949	11402603	16.47%	1.416%
27	17.451	2454	2459	2464	rBV3	613232	1099792	1.59%	0.137%
28	17.657	2485	2494	2499	rBV2	1716493	3232434	4.67%	0.402%
29	17.775	2510	2514	2519	rVV	1139682	1685155	2.43%	0.209%
30	17.839	2520	2525	2534	rVB2	1365381	2228414	3.22%	0.277%
31	17.975	2544	2548	2554	rVB	613429	1117739	1.61%	0.139%
32	18.128	2565	2574	2577	rVV	7543155	11388912	16.45%	1.415%
33	18.175	2577	2582	2589	rVB	10026141	16054961	23.20%	1.994%
34	18.251	2589	2595	2600	rBV	3594945	5104888	7.38%	0.634%
35	18.316	2600	2606	2610	rVV2	9261032	17745223	25.64%	2.204%
36	18.351	2610	2612	2618	rVB	5870409	6698218	9.68%	0.832%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008778.D
Acq On : 12 Jan 2022 17:27
Operator : CG/JU
Sample : N1097-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1S

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-BP010622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.510	2635	2639	2643	rBV3	682402	978429	1.41%	0.122%
38	18.610	2651	2656	2660	rVV	4983114	7052090	10.19%	0.876%
39	18.651	2660	2663	2670	rVV2	3374658	4766487	6.89%	0.592%
40	18.727	2673	2676	2682	rVB	788710	954143	1.38%	0.119%
41	18.845	2688	2696	2701	rBV	2415440	4222384	6.10%	0.525%
42	18.898	2701	2705	2708	rVV	2208988	2755143	3.98%	0.342%
43	18.933	2708	2711	2715	rVB	1855119	2307299	3.33%	0.287%
44	19.016	2720	2725	2729	rVV	5272892	8746712	12.64%	1.087%
45	19.075	2729	2735	2738	rVV2	3204317	6810550	9.84%	0.846%
46	19.104	2738	2740	2744	rVB	1796005	2021709	2.92%	0.251%
47	19.157	2744	2749	2757	rBV3	3614675	6751532	9.75%	0.839%
48	19.280	2762	2770	2775	rVV2	31824013	58375208	84.34%	7.252%
49	19.333	2775	2779	2782	rVV	1379657	2113969	3.05%	0.263%
50	19.369	2782	2785	2790	rVV3	1804489	2831918	4.09%	0.352%
51	19.469	2796	2802	2805	rBV3	1310235	2411226	3.48%	0.300%
52	19.510	2805	2809	2813	rVV	1932288	3125675	4.52%	0.388%
53	19.545	2813	2815	2819	rVB2	881777	1005802	1.45%	0.125%
54	19.639	2819	2831	2836	rBV4	32081677	69216485	100.00%	8.598%
55	19.692	2836	2840	2847	rVB2	2999541	5053714	7.30%	0.628%
56	19.822	2847	2862	2865	rBV2	15574285	25739988	37.19%	3.198%
57	19.857	2865	2868	2873	rVB2	2327731	3464283	5.00%	0.430%
58	19.951	2876	2884	2889	rBV2	4606460	11533702	16.66%	1.433%
59	20.027	2893	2897	2900	rVV3	900923	1187581	1.72%	0.148%
60	20.104	2900	2910	2915	rVB2	6386653	16099805	23.26%	2.000%
61	20.204	2923	2927	2931	rBV	3109547	3765043	5.44%	0.468%
62	20.263	2931	2937	2941	rVV2	6574289	9979848	14.42%	1.240%
63	20.298	2941	2943	2947	rVB2	967710	1112181	1.61%	0.138%
64	20.339	2947	2950	2955	rVB3	1200956	1717167	2.48%	0.213%
65	20.398	2956	2960	2963	rBV	4576001	5617816	8.12%	0.698%
66	20.445	2963	2968	2971	rVB2	5242425	6682215	9.65%	0.830%
67	20.557	2983	2987	2991	rVB4	1163418	1792176	2.59%	0.223%
68	20.651	2999	3003	3005	rBV3	898495	1417785	2.05%	0.176%
69	20.680	3005	3008	3011	rVV3	705506	1123414	1.62%	0.140%
70	20.751	3018	3020	3024	rVB3	909138	1004682	1.45%	0.125%
71	20.839	3031	3035	3041	rVB	5546585	7597744	10.98%	0.944%
72	20.927	3047	3050	3055	rVB	828869	1016105	1.47%	0.126%
73	21.004	3056	3063	3066	rBV2	4621276	9236082	13.34%	1.147%
74	21.039	3066	3069	3073	rVV	6084362	8976754	12.97%	1.115%
75	21.080	3073	3076	3080	rVV2	4421991	6776338	9.79%	0.842%
76	21.133	3080	3085	3092	rVB2	5026103	7738487	11.18%	0.961%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008778.D
Acq On : 12 Jan 2022 17:27
Operator : CG/JU
Sample : N1097-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1S

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-BP010622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	21.239	3096	3103	3110	rBV2	1310386	3458659	5.00%	0.430%
78	21.345	3112	3121	3125	rBV3	24906345	48185915	69.62%	5.986%
79	21.398	3125	3130	3138	rVB	22224323	35231755	50.90%	4.377%
80	21.469	3138	3142	3146	rBV2	5131944	6699471	9.68%	0.832%
81	21.516	3146	3150	3155	rVB	3259538	4477571	6.47%	0.556%
82	21.569	3156	3159	3161	rBV2	823435	1109542	1.60%	0.138%
83	21.680	3173	3178	3183	rBV2	2245612	3750080	5.42%	0.466%
84	21.727	3183	3186	3191	rVB3	1041338	1396345	2.02%	0.173%
85	21.868	3207	3210	3214	rBV	1210795	1589048	2.30%	0.197%
86	21.933	3214	3221	3225	rVV	5661534	9125756	13.18%	1.134%
87	21.986	3226	3230	3235	rVB	3219228	4935030	7.13%	0.613%
88	22.057	3238	3242	3246	rBV2	1609146	2506194	3.62%	0.311%
89	22.145	3253	3257	3260	rBV	2295788	3594964	5.19%	0.447%
90	22.245	3270	3274	3280	rVB2	2001357	3293413	4.76%	0.409%
91	22.763	3357	3362	3373	rVB3	1279424	3068406	4.43%	0.381%
92	23.051	3403	3411	3416	rBV	13299804	35486221	51.27%	4.408%
93	23.227	3436	3441	3452	rVB	2554336	4544201	6.57%	0.564%
94	23.374	3462	3466	3475	rBV2	618567	1696871	2.45%	0.211%
95	23.568	3492	3499	3509	rVB	8099353	18459948	26.67%	2.293%
96	23.680	3510	3518	3525	rBV	11901994	25868011	37.37%	3.213%
97	23.780	3530	3535	3539	rVV2	2810332	6043505	8.73%	0.751%
98	23.833	3540	3544	3554	rVB2	3467346	7833940	11.32%	0.973%
99	26.315	3956	3966	3978	rVB	5531727	17643958	25.49%	2.192%
100	27.098	4089	4099	4118	rVB	3783505	13672244	19.75%	1.698%

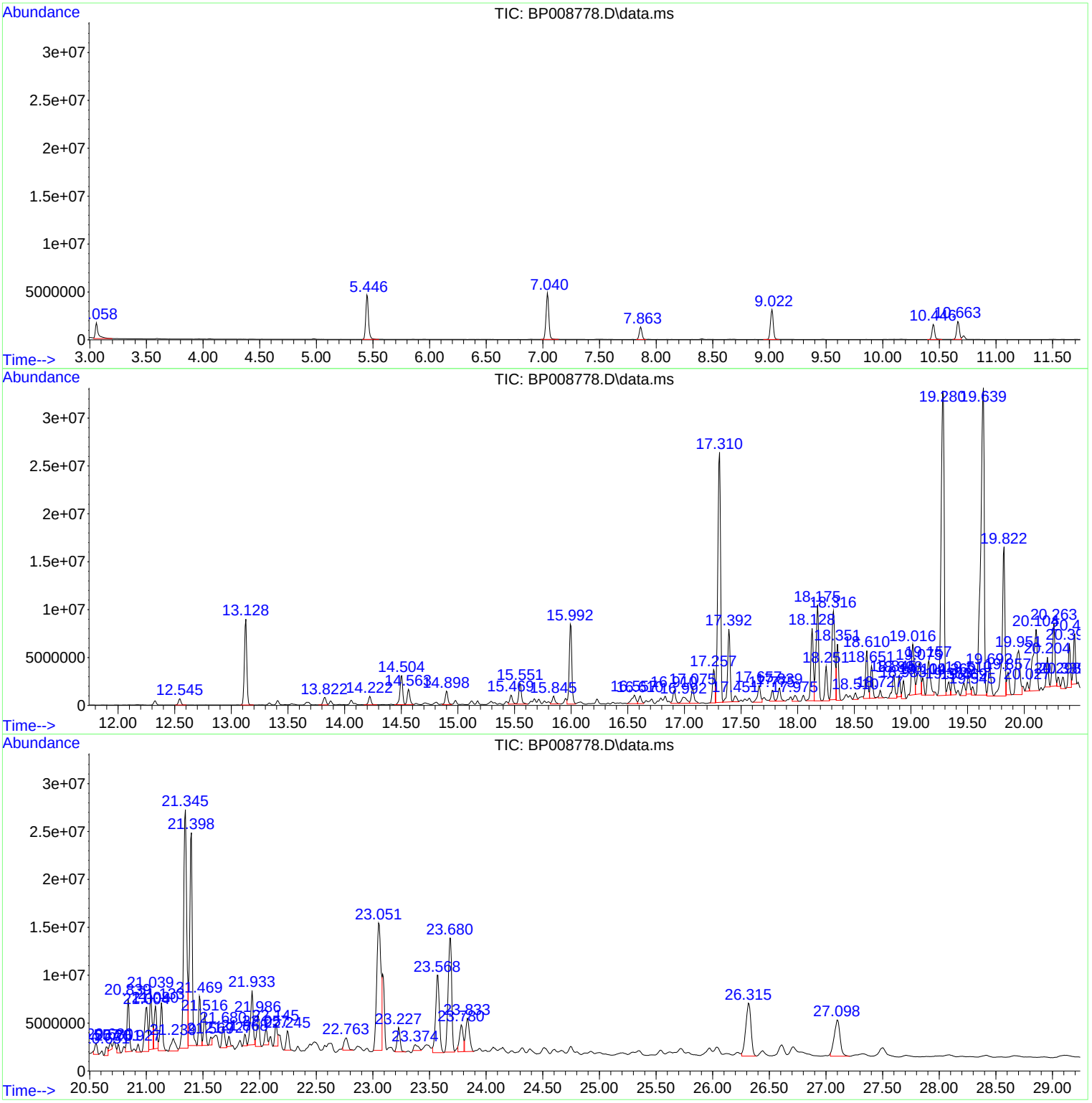
Sum of corrected areas: 804999805

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008778.D
Acq On : 12 Jan 2022 17:27
Operator : CG/JU
Sample : N1097-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.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\BP011222\
Data File : BP008778.D
Acq On : 12 Jan 2022 17:27
Operator : CG/JU
Sample : N1097-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1S

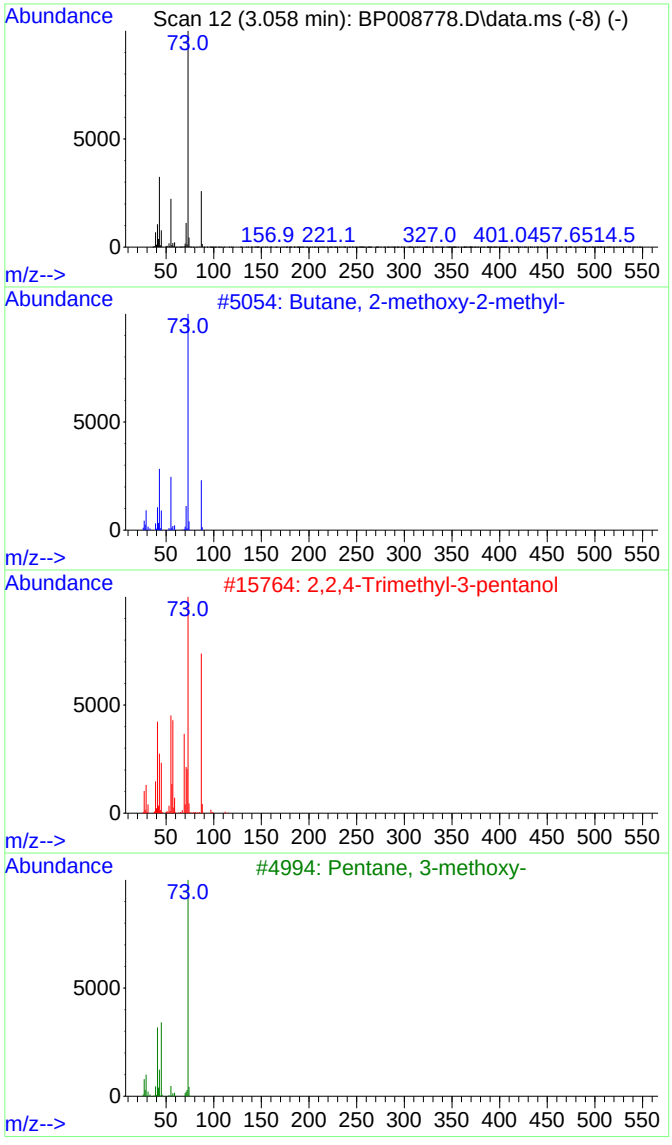
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

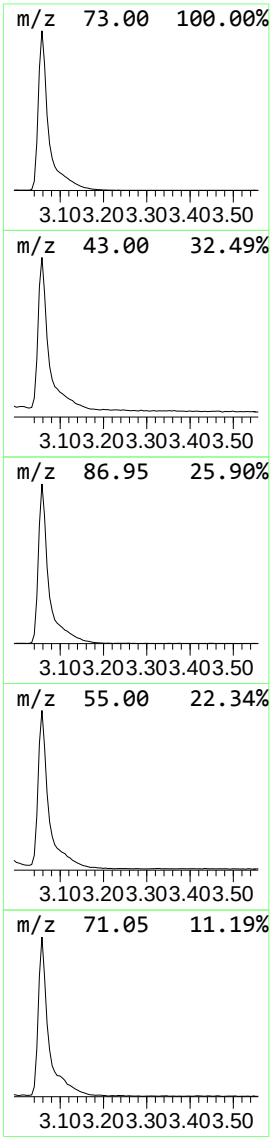
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.058	27.69 ng	2980960	1,4-Dichlorobenzene-d4	7.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008778.D
Acq On : 12 Jan 2022 17:27
Operator : CG/JU
Sample : N1097-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1S

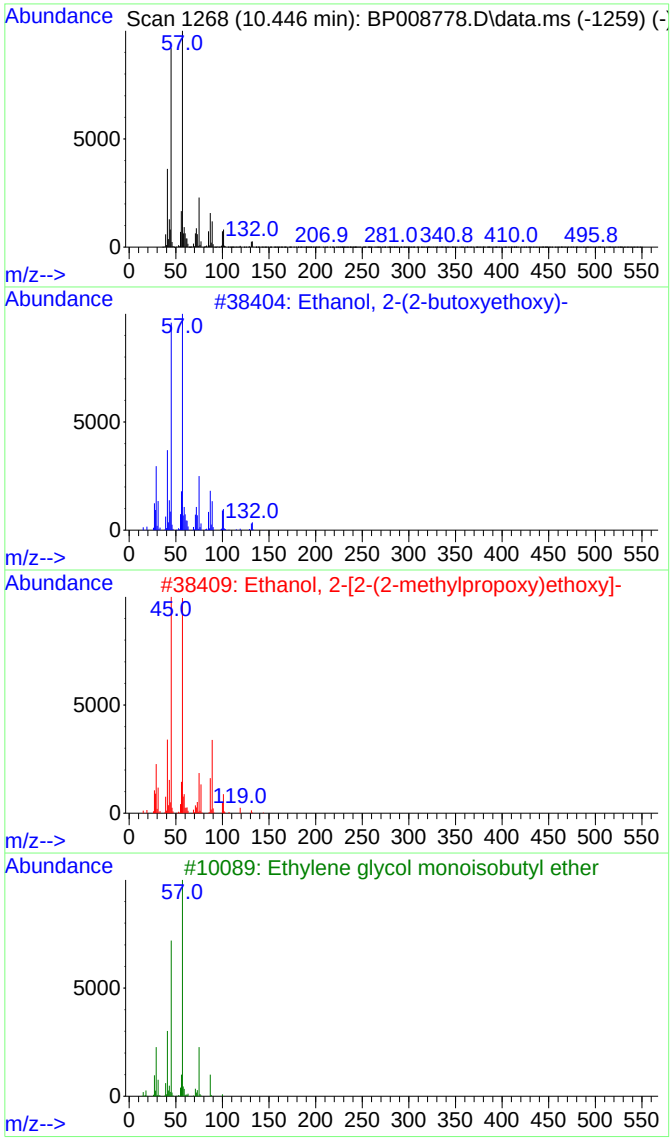
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

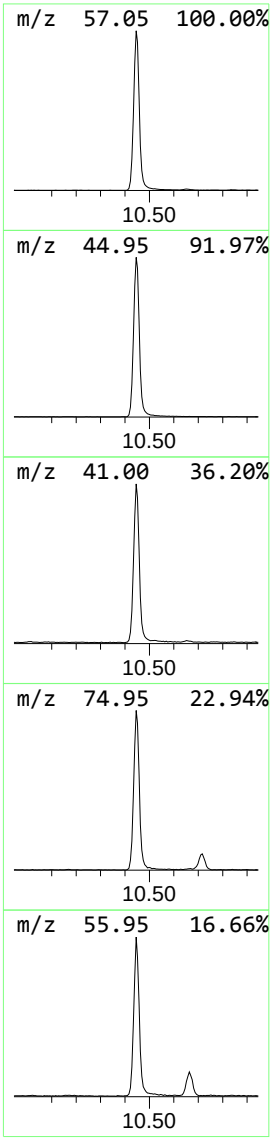
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.446	16.25 ng	2608020	Naphthalene-d8	10.663

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	91
2	Ethanol, 2-[2-(2-methylpropoxy)e...	162	C8H18O3	018912-80-6	72
3	Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	64
4	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	52
5	Di-sec-Butyl ether	130	C8H18O	006863-58-7	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008778.D
Acq On : 12 Jan 2022 17:27
Operator : CG/JU
Sample : N1097-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

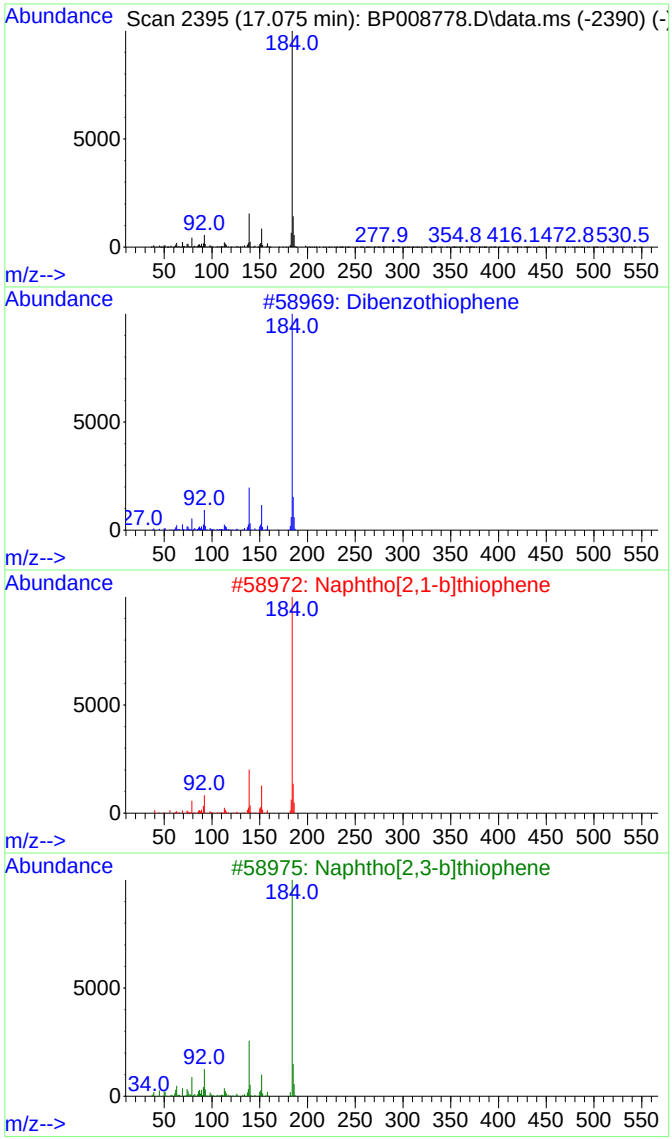
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

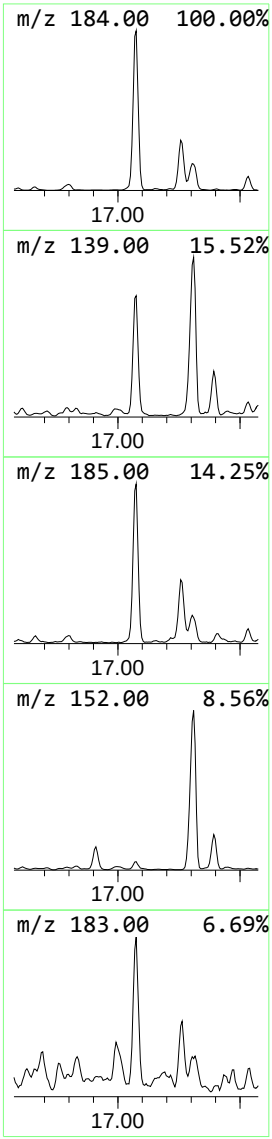
****

Peak Number 3 Dibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.075	10.12 ng	2780780	Phenanthrene-d10	17.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
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\BP011222\
Data File : BP008778.D
Acq On : 12 Jan 2022 17:27
Operator : CG/JU
Sample : N1097-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

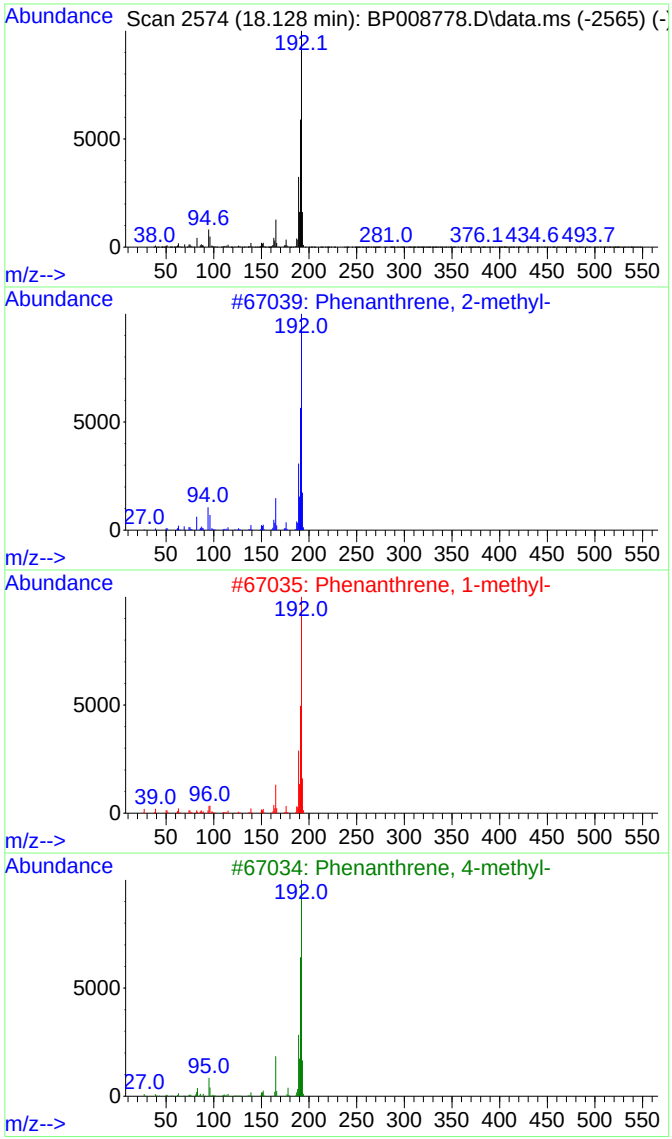
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

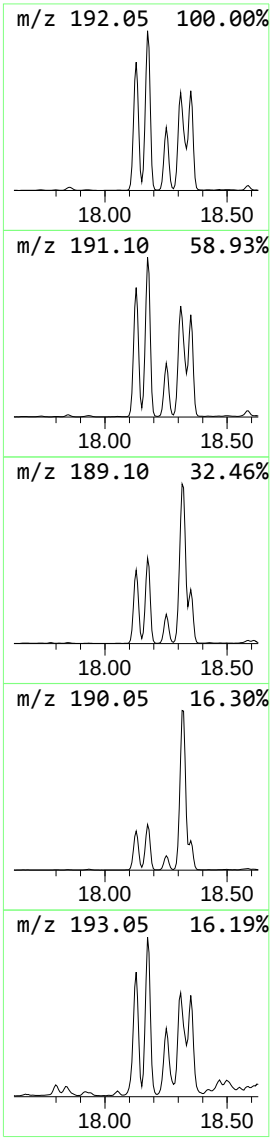
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.128	41.46 ng	11388900	Phenanthrene-d10	17.257

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	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008778.D
Acq On : 12 Jan 2022 17:27
Operator : CG/JU
Sample : N1097-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

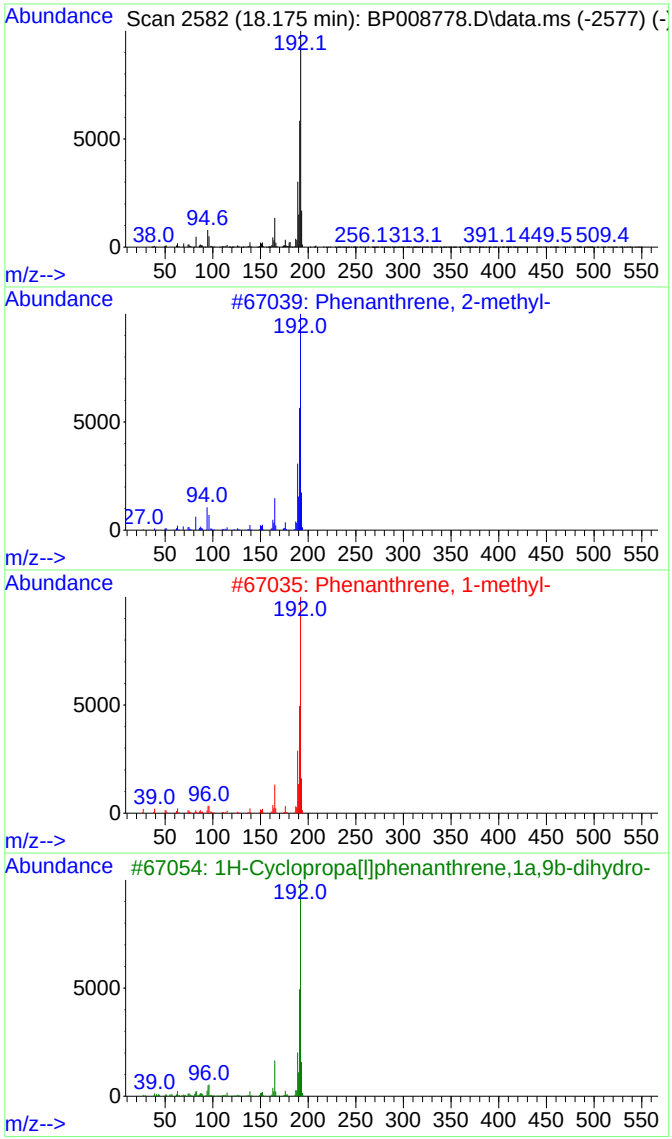
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

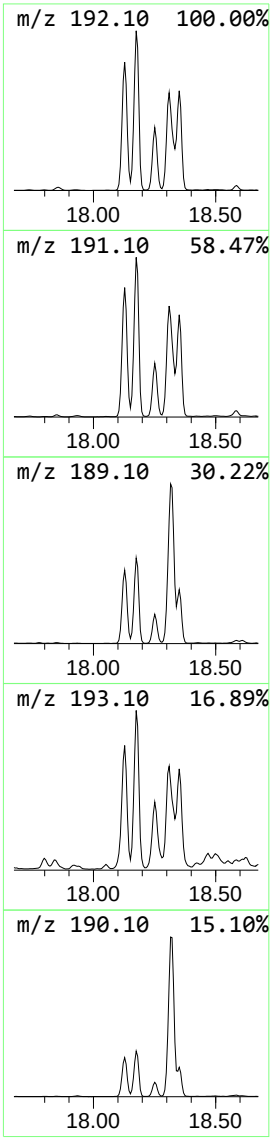
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.175	58.45 ng	16055000	Phenanthrene-d10	17.257

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	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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Acq On : 12 Jan 2022 17:27
Operator : CG/JU
Sample : N1097-01
Misc :
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Instrument :
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ClientSampleId :
TP-1S

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

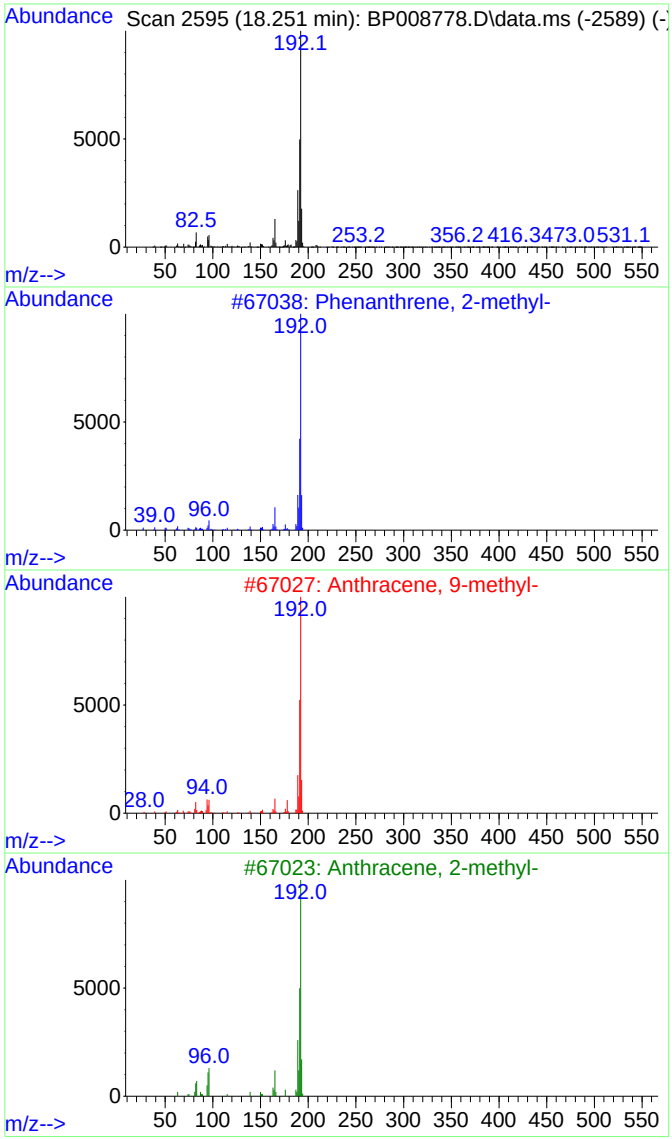
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

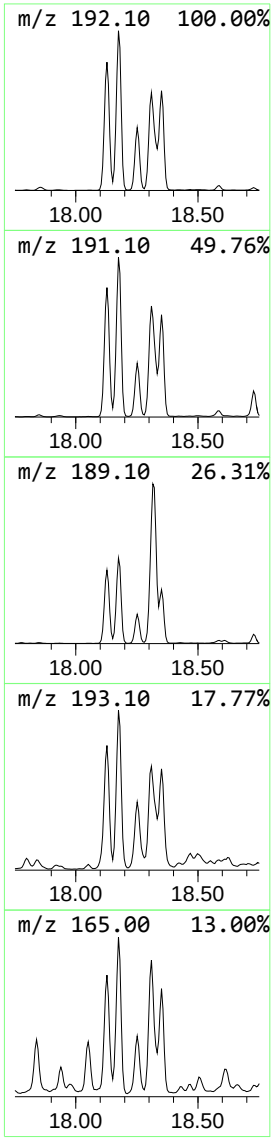
****

Peak Number 6 Anthracene, 9-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.251	18.59 ng	5104890	Phenanthrene-d10	17.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





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Sample : N1097-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1S

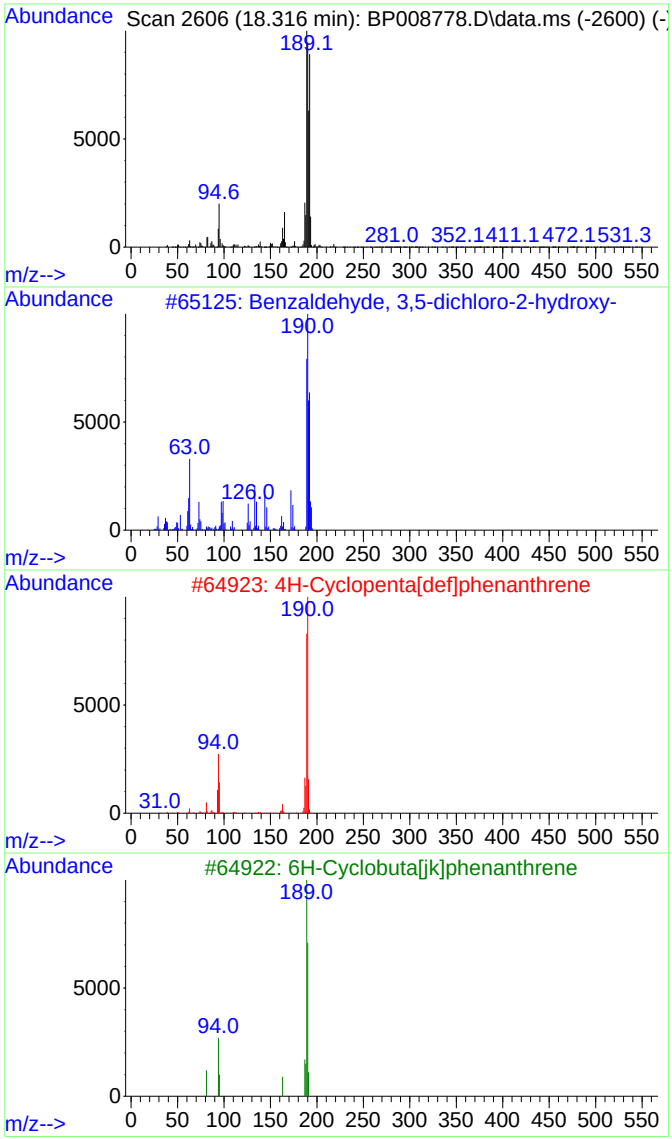
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

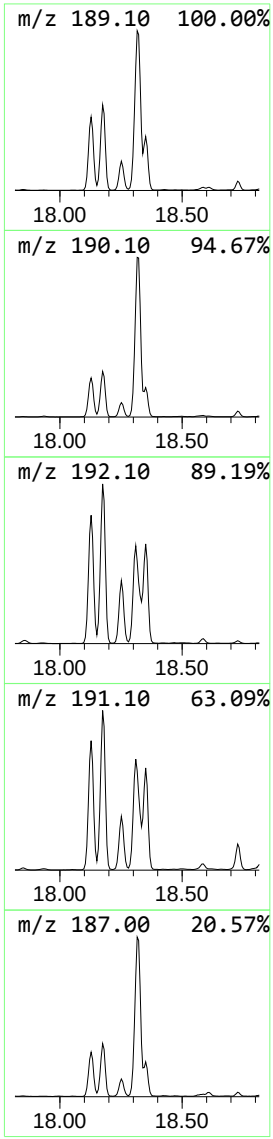
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzaldehyde, 3,5-dichloro-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.316	64.61 ng	17745200	Phenanthrene-d10	17.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42





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Sample : N1097-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

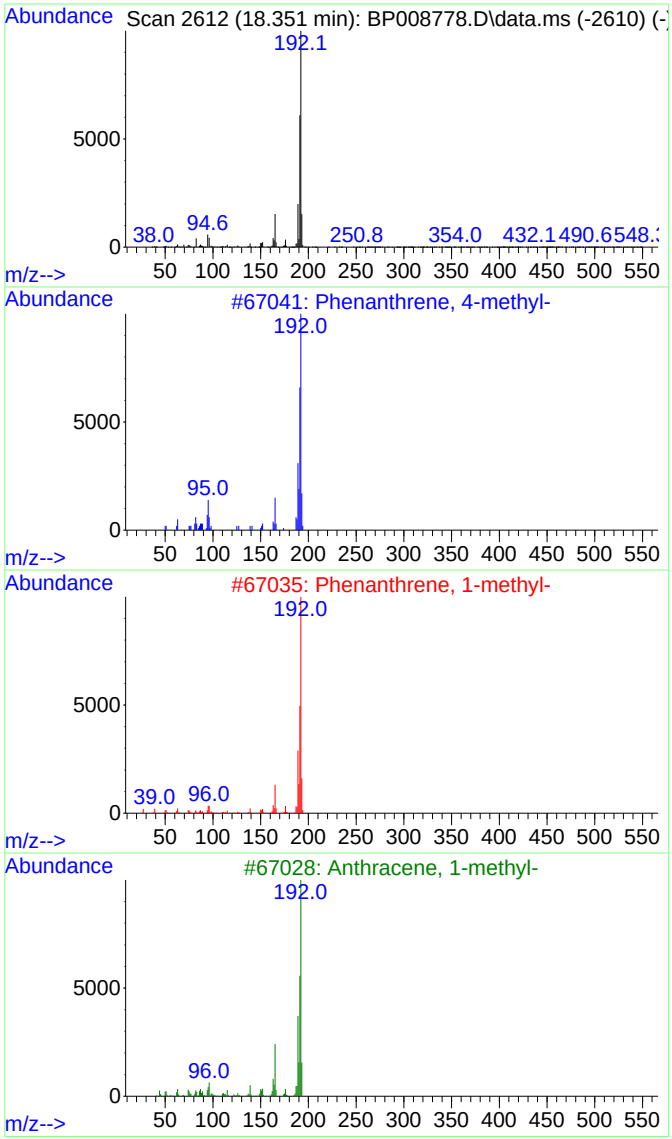
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

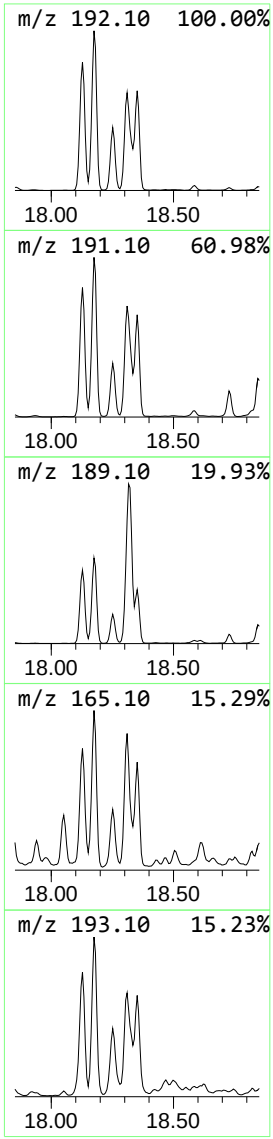
****

Peak Number 8 Phenanthrene, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.351	24.39 ng	6698220	Phenanthrene-d10	17.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





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Acq On : 12 Jan 2022 17:27
Operator : CG/JU
Sample : N1097-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1S

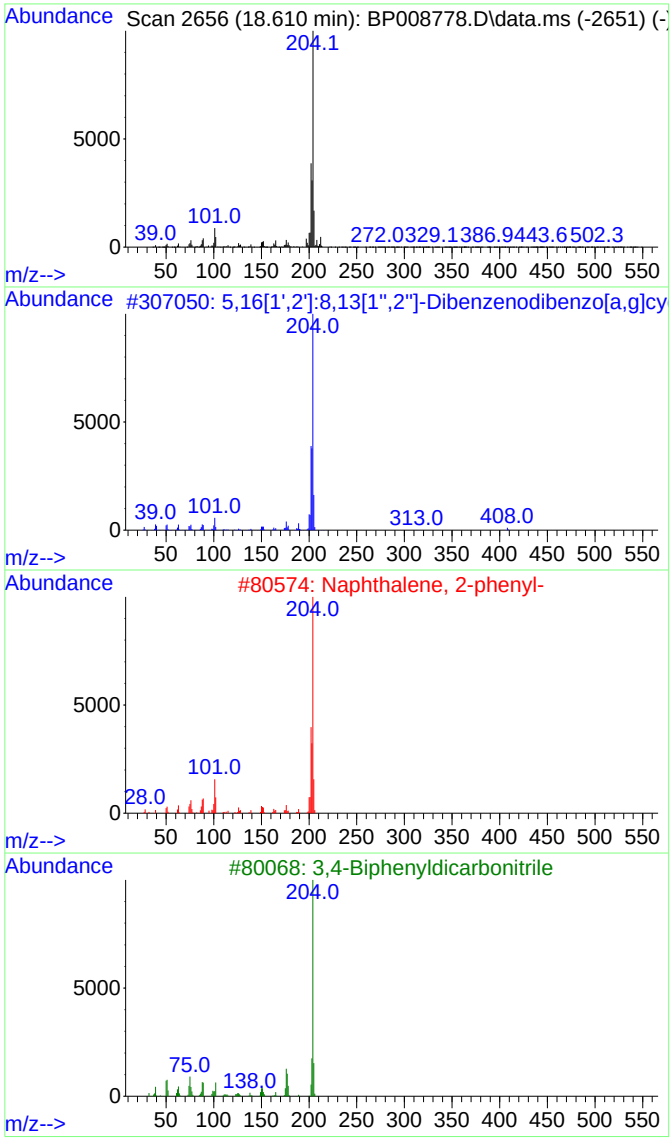
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

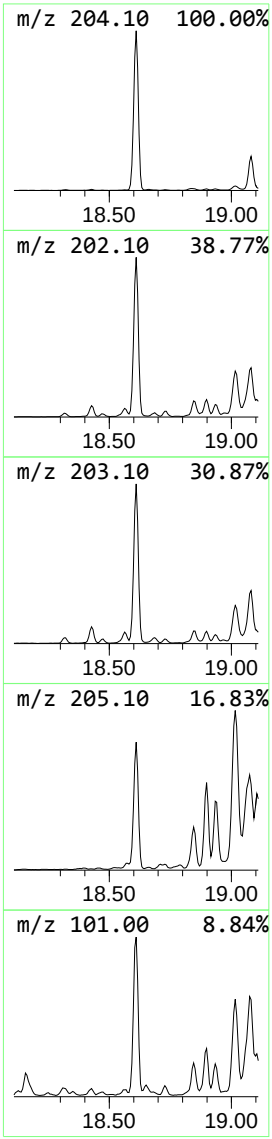
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.610	25.67 ng	7052090	Phenanthrene-d10	17.257

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	83
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	49
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	46
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	43





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Acq On : 12 Jan 2022 17:27
Operator : CG/JU
Sample : N1097-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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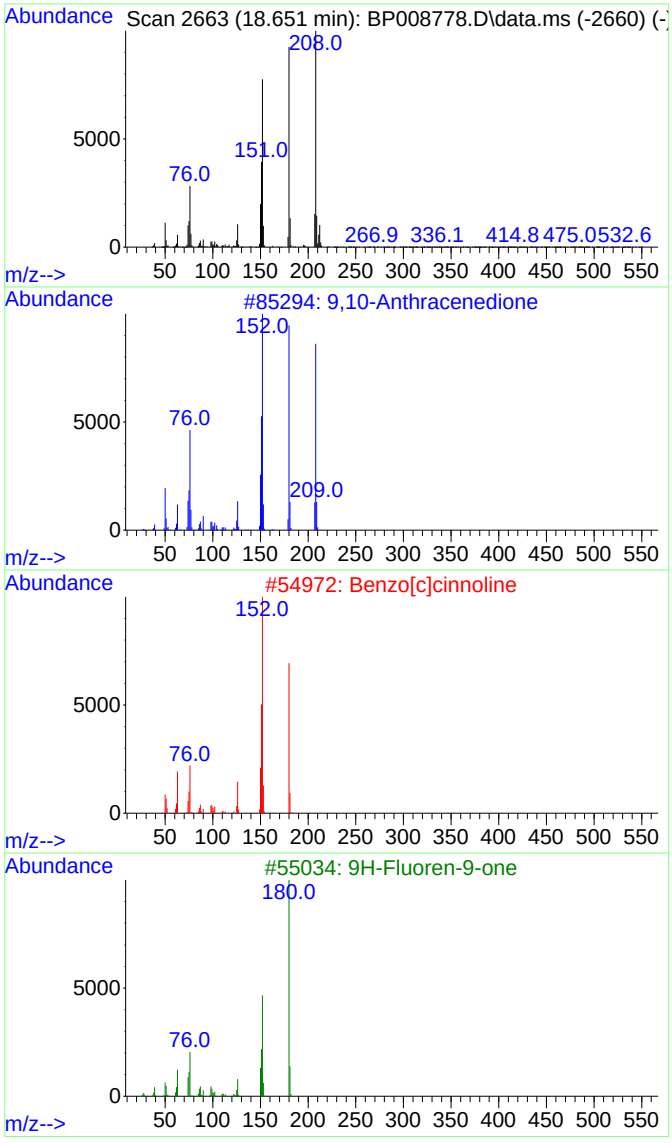
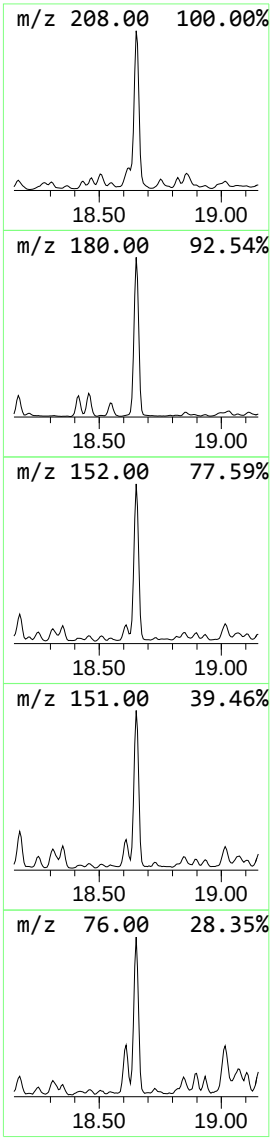
Peak Number 10 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.651	17.35 ng	4766490	Phenanthrene-d10	17.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49





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Acq On : 12 Jan 2022 17:27
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Sample : N1097-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

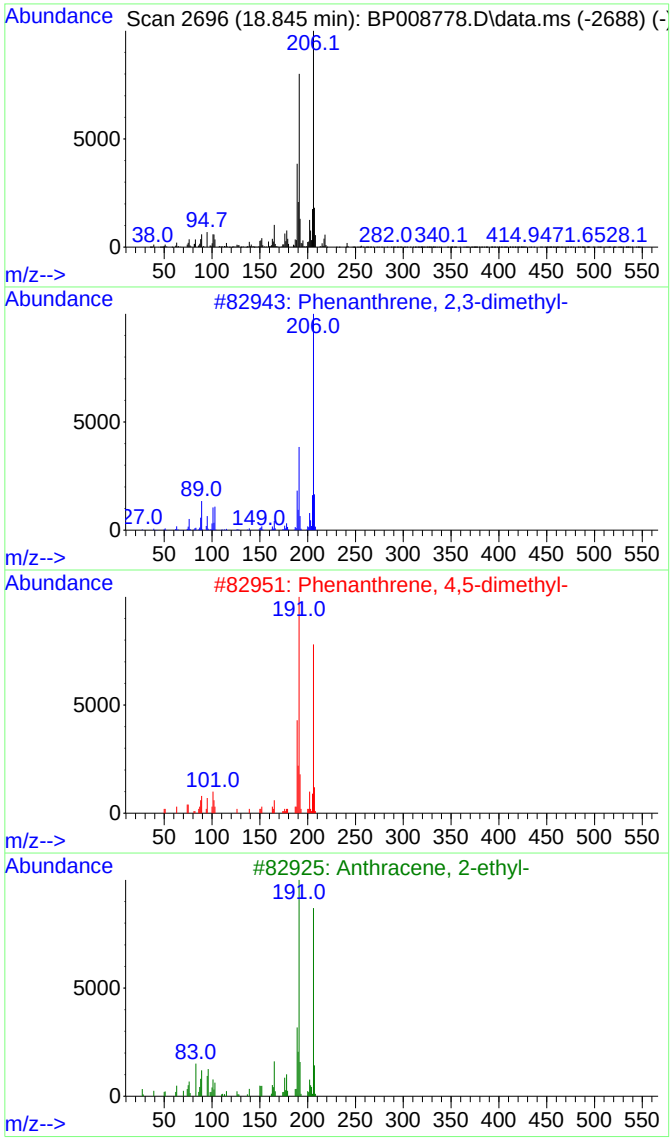
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

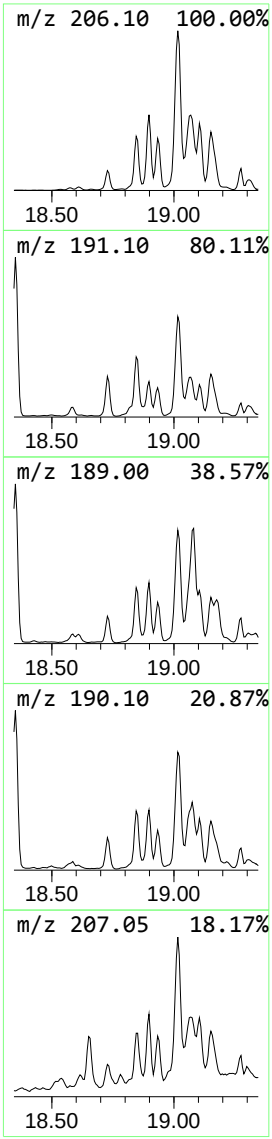
****

Peak Number 11 Phenanthrene, 2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.845	15.37 ng	4222380	Phenanthrene-d10	17.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	91
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	87





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Acq On : 12 Jan 2022 17:27
Operator : CG/JU
Sample : N1097-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1S

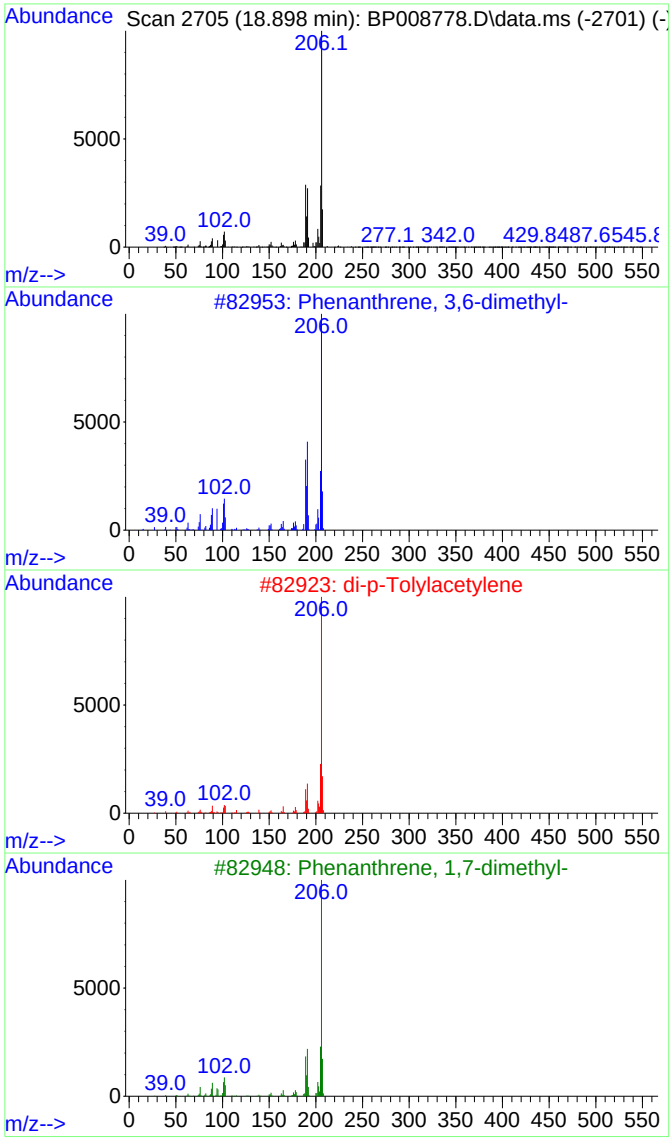
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

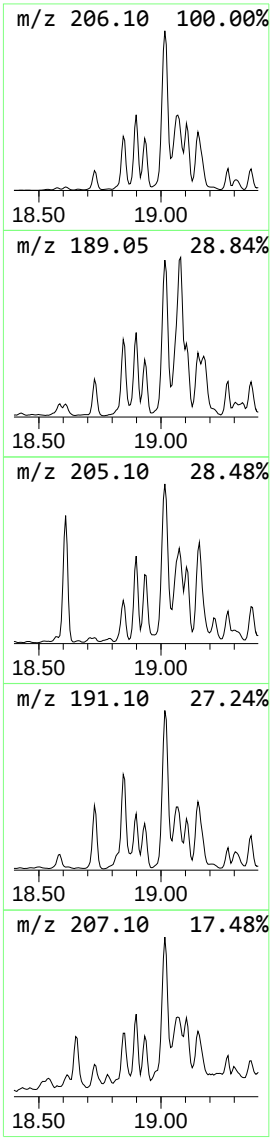
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.898	10.03 ng	2755140	Phenanthrene-d10	17.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	97
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	80





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Acq On : 12 Jan 2022 17:27
Operator : CG/JU
Sample : N1097-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

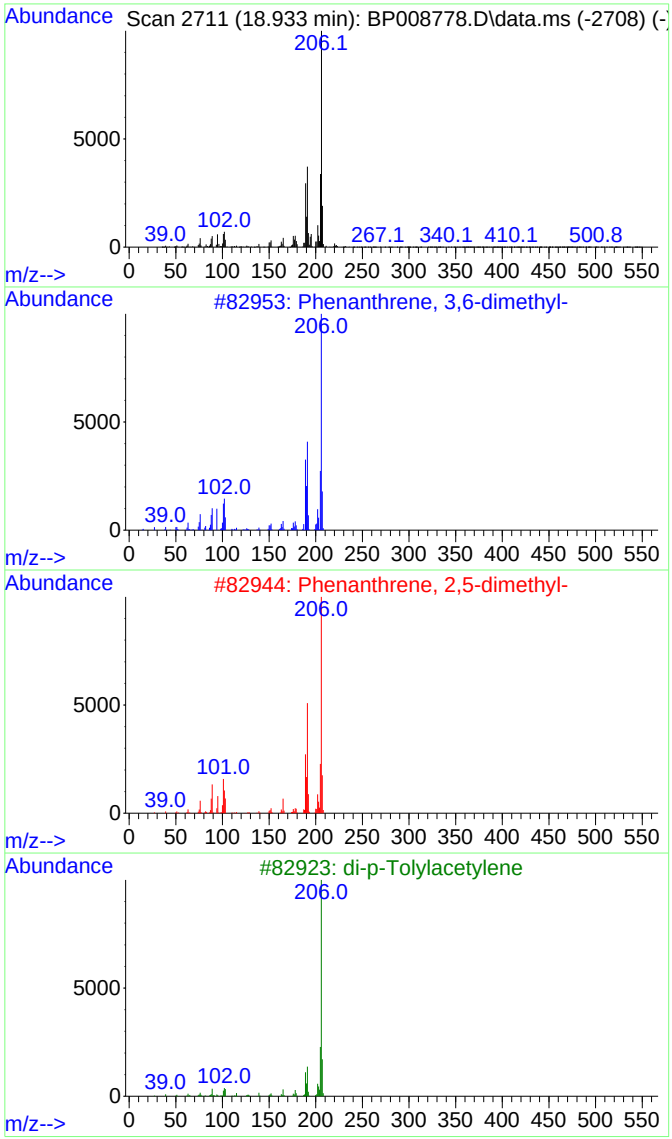
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

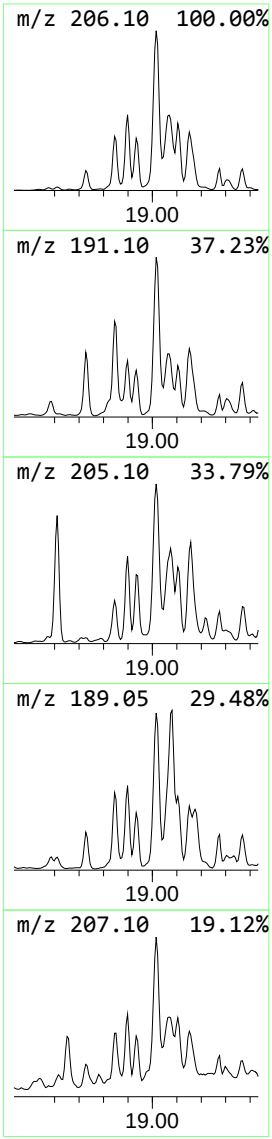
****

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.933	8.40 ng	2307300	Phenanthrene-d10	17.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1S

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

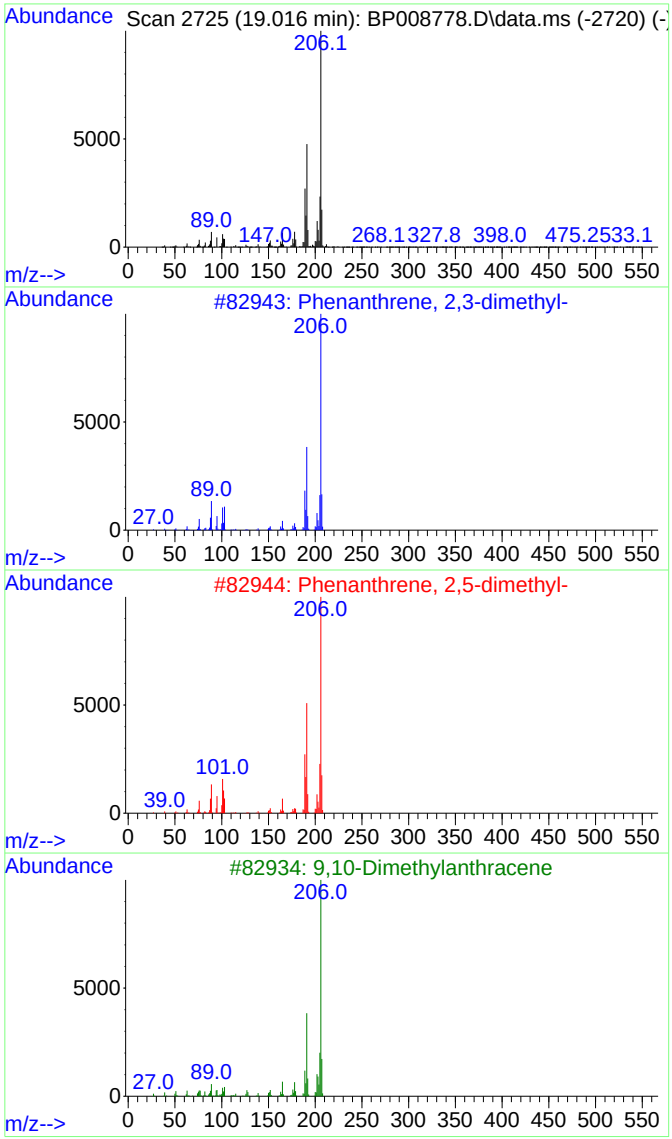
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

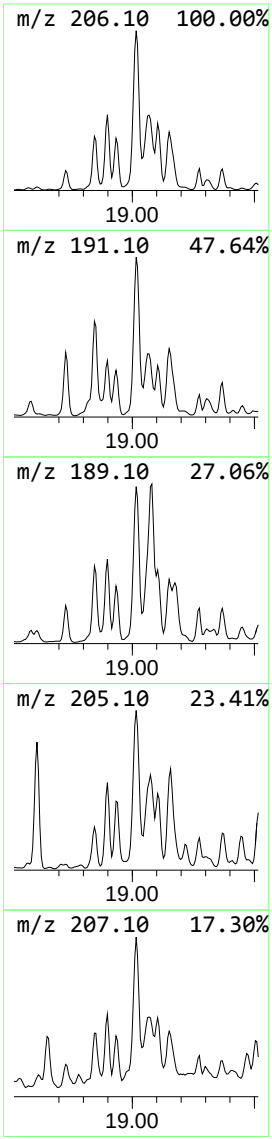
****

Peak Number 14 9,10-Dimethylanthracene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.016	31.84 ng	8746710	Phenanthrene-d10	17.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	83
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	80





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ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1S

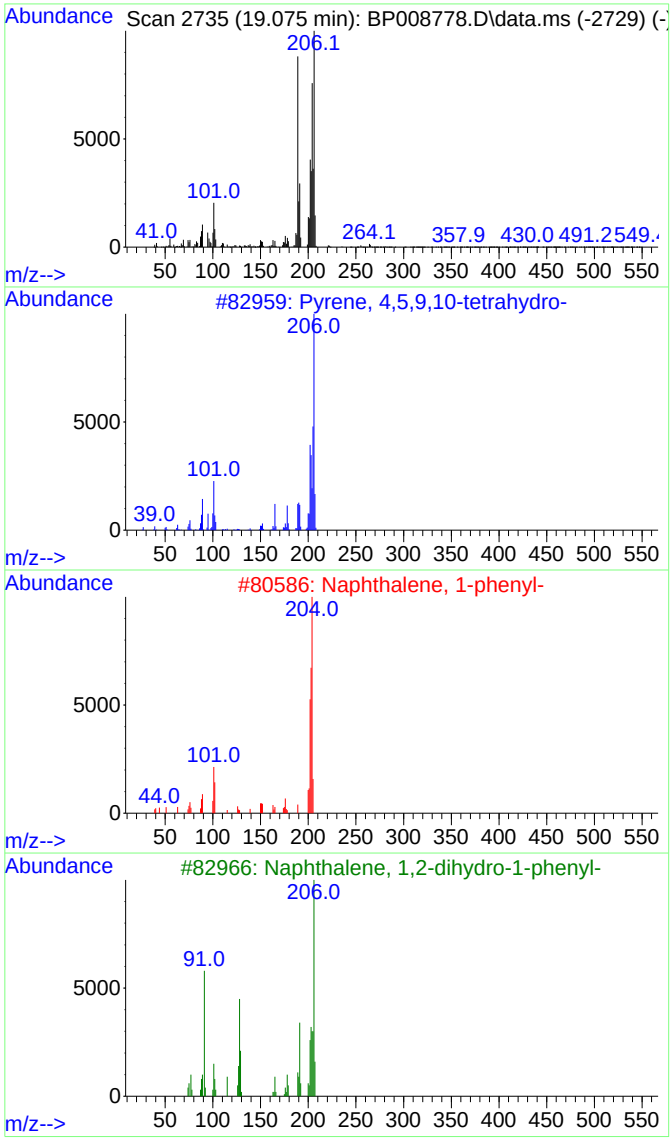
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

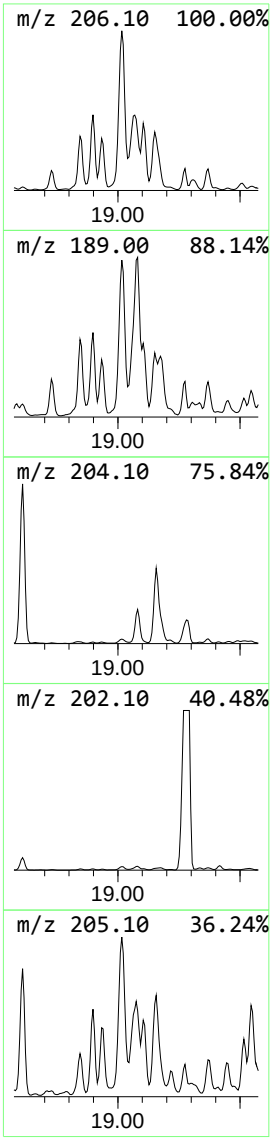
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.075	24.80 ng	6810550	Phenanthrene-d10	17.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	51
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	35
3	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	30
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	30
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	30





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ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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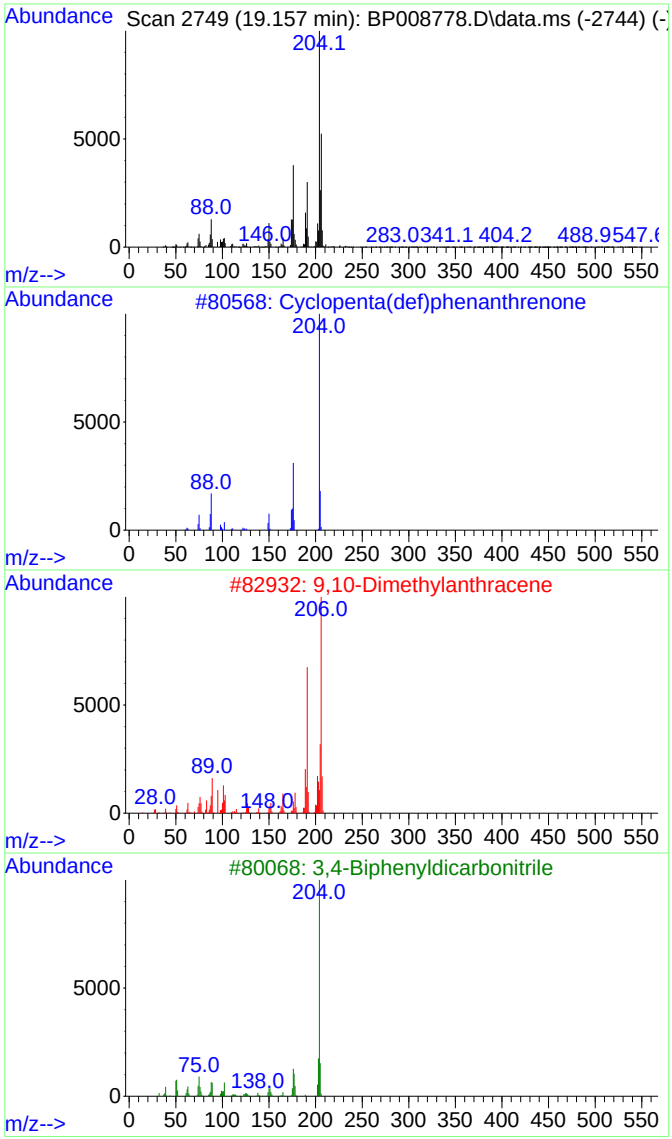
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

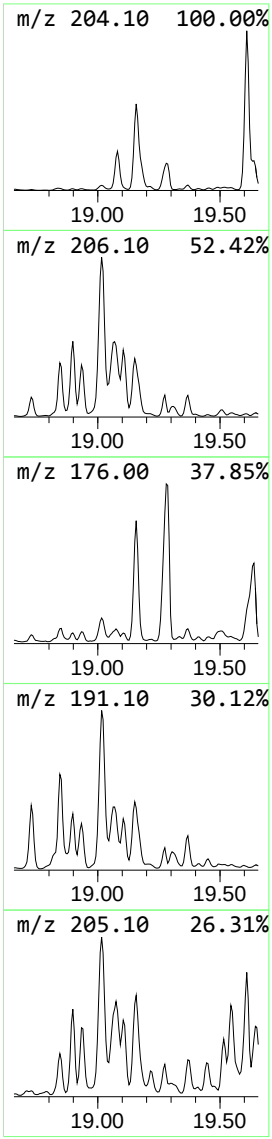
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.157	24.58 ng	6751530	Phenanthrene-d10	17.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	49
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43
4	1-(4-Methoxyphenyl)-5-methyl-2,3...	204	C11H12N2O2	014058-90-3	43
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	41





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Data File : BP008778.D
Acq On : 12 Jan 2022 17:27
Operator : CG/JU
Sample : N1097-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1S

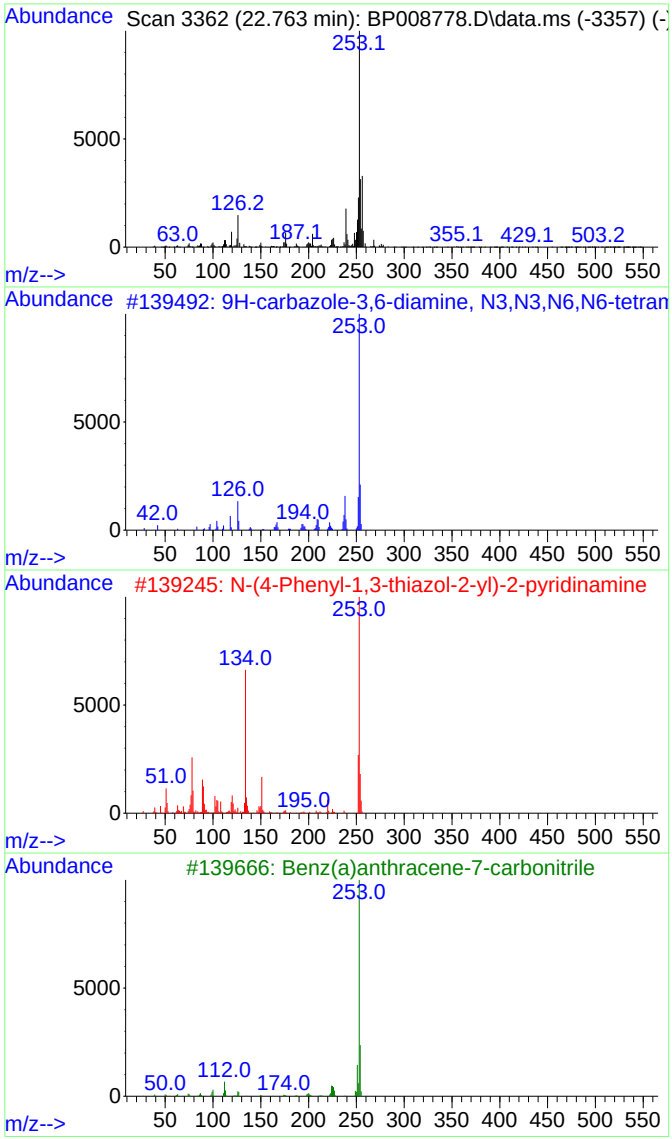
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

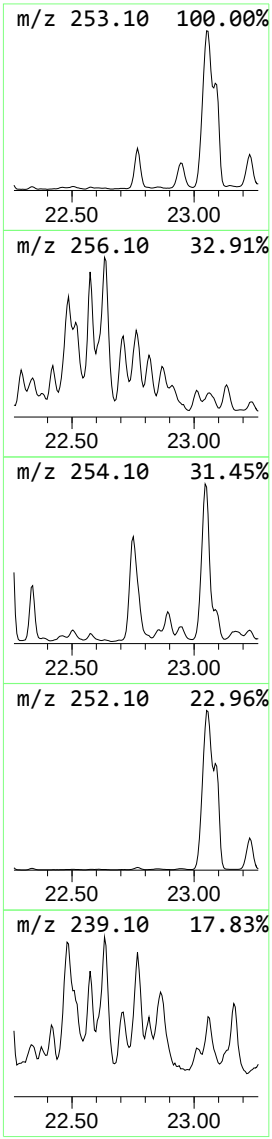
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 9H-carbazole-3,6-diamine, N... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.763	10.15 ng	3068410	Perylene-d12	23.780

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-carbazole-3,6-diamine, N3,N3,...	253	C16H19N3	1010396-68-8	53
2	N-(4-Phenyl-1,3-thiazol-2-yl)-2-...	253	C14H11N3S	1000485-04-5	47
3	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	47
4	Carbamate, N-(2-naphthyl)-, 3-pe...	253	C16H15NO2	1000197-96-0	46
5	1,1-Dioxido-1,2-benzisothiazol-3...	254	C10H14N2O2SSi	1000479-94-7	40





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008778.D
Acq On : 12 Jan 2022 17:27
Operator : CG/JU
Sample : N1097-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

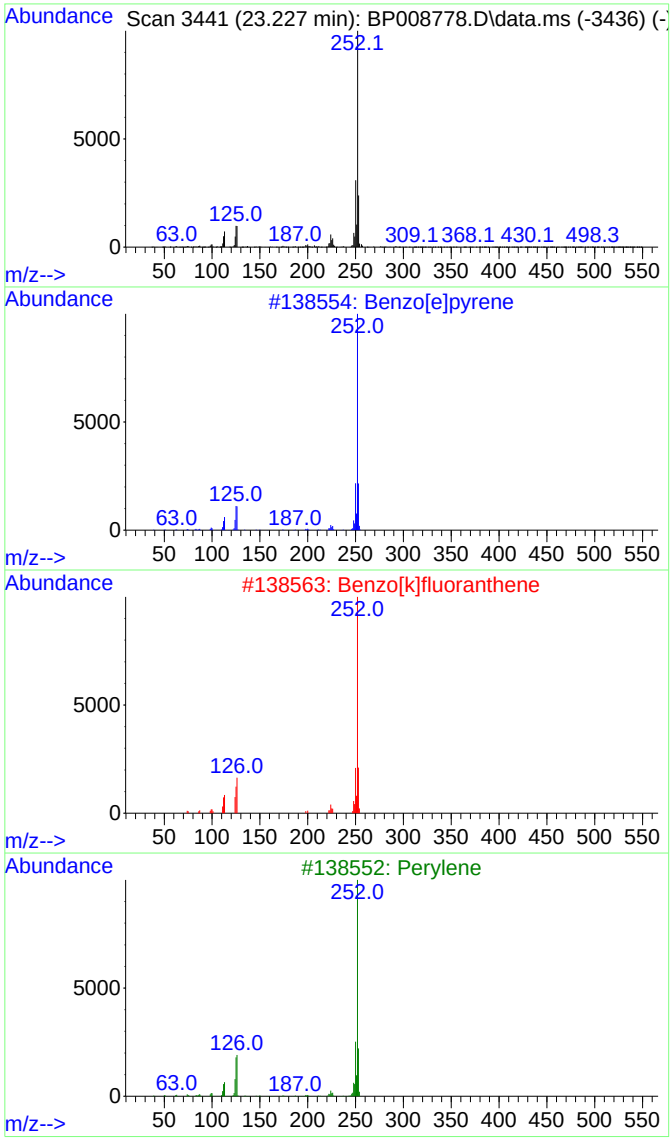
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

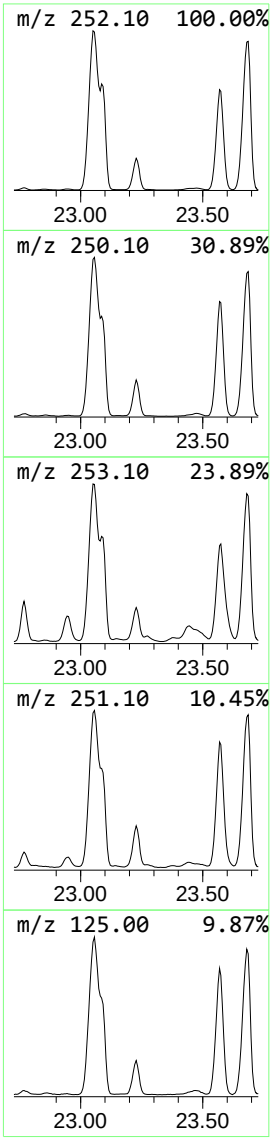
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.227	15.04 ng	4544200	Perylene-d12	23.780

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Perylene	252	C20H12	000198-55-0	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011222\
Data File : BP008778.D
Acq On : 12 Jan 2022 17:27
Operator : CG/JU
Sample : N1097-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP010622.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
Butane, 2-metho...	3.058	27.7	ng	2980960	1	7.863	2153470	20.0
Ethanol, 2-(2-b...	10.446	16.3	ng	2608020	2	10.663	3209410	20.0
Dibenzothiophene	17.075	10.1	ng	2780780	4	17.257	5493370	20.0
Phenanthrene, 2...	18.128	41.5	ng	11388900	4	17.257	5493370	20.0
Phenanthrene, 1...	18.175	58.5	ng	16055000	4	17.257	5493370	20.0
Anthracene, 9-m...	18.251	18.6	ng	5104890	4	17.257	5493370	20.0
Benzaldehyde, 3...	18.316	64.6	ng	17745200	4	17.257	5493370	20.0
Phenanthrene, 4...	18.351	24.4	ng	6698220	4	17.257	5493370	20.0
5,16[1',2']:8,1...	18.610	25.7	ng	7052090	4	17.257	5493370	20.0
9,10-Anthracene...	18.651	17.4	ng	4766490	4	17.257	5493370	20.0
Phenanthrene, 2...	18.845	15.4	ng	4222380	4	17.257	5493370	20.0
Phenanthrene, 3...	18.898	10.0	ng	2755140	4	17.257	5493370	20.0
Phenanthrene, 2...	18.933	8.4	ng	2307300	4	17.257	5493370	20.0
9,10-Dimethylan...	19.016	31.8	ng	8746710	4	17.257	5493370	20.0
Pyrene, 4,5,9,1...	19.075	24.8	ng	6810550	4	17.257	5493370	20.0
Cyclopenta(def)...	19.157	24.6	ng	6751530	4	17.257	5493370	20.0
9H-carbazole-3,...	22.763	10.2	ng	3068410	6	23.780	6043510	20.0
Benzo[e]pyrene	23.227	15.0	ng	4544200	6	23.780	6043510	20.0