LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101520.D
Acq On : 7 Nov 2024 6:01
Operator : RC/JU
Sample : P4711-06 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
CF-613-COMP-17

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_E\Methods\8270-BE110624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BE101520.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.314	457	464	483	rBV	579107	979759	5.06%	0.386%
2	6.942	734	741	761	rBV	514720	1021390	5.28%	0.403%
3	7.559	839	846	856	rBV	353397	561975	2.90%	0.221%
4	8.769	1044	1052	1069	rBV	394366	682634	3.53%	0.269%
5	10.326	1309	1317	1322	rBV	516972	877023	4.53%	0.346%
6	12.194	1628	1635	1646	rBV	127693	219509	1.13%	0.087%
7	12.788	1729	1736	1744	rBV	1172431	1798330	9.29%	0.709%
8	13.323	1818	1827	1835	rBV2	99670	271473	1.40%	0.107%
9	13.469	1845	1852	1857	rBV	217920	374092	1.93%	0.147%
10	13.522	1857	1861	1871	rVB	141483	218426	1.13%	0.086%
11	13.904	1916	1926	1945	rBV	272444	664201	3.43%	0.262%
12	14.169	1966	1971	1977	rVV	855874	1262720	6.52%	0.498%
13	14.233	1977	1982	1988	rVB	735957	1033320	5.34%	0.407%
14	14.574	2036	2040	2044	rVV	376119	549342	2.84%	0.216%
15	14.756	2062	2071	2076	rBV3	108860	208129	1.08%	0.082%
16	15.214	2136	2149	2157	rBV	1052252	1627820	8.41%	0.641%
17	15.367	2171	2175	2179	rVV	138138	216794	1.12%	0.085%
18	15.502	2193	2198	2202	rVV	329727	504240	2.61%	0.199%
19	15.679	2216	2228	2234	rVV2	1270218	2435699	12.59%	0.960%
20	15.919	2264	2269	2277	rBV3	131550	257242	1.33%	0.101%
21	16.201	2307	2317	2321	rBV2	328683	619479	3.20%	0.244%
22	16.583	2377	2382	2386	rBV	409509	644512	3.33%	0.254%
23	16.730	2401	2407	2416	rVB	454290	756722	3.91%	0.298%
24	16.912	2429	2438	2441	rBV	934467	1689913	8.73%	0.666%
25	16.971	2441	2448	2454	rVB	5936813	11955200	61.77%	4.711%
26	17.042	2454	2460	2469	rBV	3012402	4581324	23.67%	1.805%
27	17.300	2499	2504	2509	rBV	194631	349580	1.81%	0.138%
28	17.365	2511	2515	2519	rVV	386036	548415	2.83%	0.216%
29	17.406	2519	2522	2526	rVV	246642	337858	1.75%	0.133%
30	17.476	2530	2534	2539	rBV3	183179	291408	1.51%	0.115%
31	17.600	2550	2555	2568	rVB2	116909	363959	1.88%	0.143%
32	17.758	2576	2582	2586	rVV	1336067	2081546	10.76%	0.820%
33	17.811	2586	2591	2596	rVV	1841585	2572108	13.29%	1.014%
34	17.888	2599	2604	2610	rVV	800701	1135390	5.87%	0.447%
35	17.970	2610	2618	2630	rVB2	2109123	5268882	27.23%	2.076%
36	18.158	2646	2650	2654	rVV2	131000	202367	1.05%	0.080%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101520.D
Acq On : 7 Nov 2024 6:01
Operator : RC/JU
Sample : P4711-06 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
CF-613-COMP-17

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_E\Methods\8270-BE110624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.258	2661	2667	2673	rBV	1174286	1818336	9.40%	0.717%
38	18.340	2676	2681	2685	rBV	770720	1073938	5.55%	0.423%
39	18.493	2702	2707	2712	rBV	321228	522655	2.70%	0.206%
40	18.546	2712	2716	2719	rVV	377418	458150	2.37%	0.181%
41	18.587	2719	2723	2727	rVB	229039	301487	1.56%	0.119%
42	18.675	2731	2738	2742	rBV	533002	1012691	5.23%	0.399%
43	18.740	2743	2749	2757	rVV3	256307	780228	4.03%	0.307%
44	18.869	2765	2771	2778	rVB	753202	1377334	7.12%	0.543%
45	18.986	2779	2791	2795	rBV	6813839	17476035	90.30%	6.887%
46	19.039	2797	2800	2804	rVV2	139530	204650	1.06%	0.081%
47	19.122	2810	2814	2819	rBV3	215187	361088	1.87%	0.142%
48	19.174	2819	2823	2826	rBV2	277365	378611	1.96%	0.149%
49	19.210	2826	2829	2834	rVV2	440222	562229	2.91%	0.222%
50	19.357	2840	2854	2858	rBV3	6512242	19352818	100.00%	7.626%
51	19.392	2858	2860	2864	rVB	640111	766260	3.96%	0.302%
52	19.504	2873	2879	2883	rBV2	3384045	4456256	23.03%	1.756%
53	19.592	2890	2894	2897	rBV2	226780	350949	1.81%	0.138%
54	19.639	2897	2902	2909	rVB3	1493582	2742461	14.17%	1.081%
55	19.786	2918	2927	2928	rBV2	811557	1795842	9.28%	0.708%
56	19.815	2928	2932	2939	rVB	2445098	3456568	17.86%	1.362%
57	19.909	2943	2948	2952	rVV	1485538	2396753	12.38%	0.945%
58	19.968	2956	2958	2962	rVV	1480678	1837645	9.50%	0.724%
59	20.003	2962	2964	2967	rVV	366545	428334	2.21%	0.169%
60	20.038	2967	2970	2977	rVV2	358066	616765	3.19%	0.243%
61	20.115	2978	2983	2986	rVV	962420	1389987	7.18%	0.548%
62	20.156	2986	2990	2996	rVB2	1143201	1719242	8.88%	0.678%
63	20.244	3001	3005	3010	rVV6	207676	476169	2.46%	0.188%
64	20.291	3010	3013	3017	rVB2	310059	433553	2.24%	0.171%
65	20.573	3056	3061	3064	rVB	1354052	1602773	8.28%	0.632%
66	20.726	3082	3087	3090	rBV	1937174	2549254	13.17%	1.005%
67	20.767	3090	3094	3097	rVV	1569167	1970764	10.18%	0.777%
68	20.808	3097	3101	3108	rVV3	1922936	3385488	17.49%	1.334%
69	20.872	3108	3112	3119	rVB2	2180551	3262935	16.86%	1.286%
70	20.955	3121	3126	3130	rBV	522316	904556	4.67%	0.356%
71	21.072	3138	3146	3150	rBV3	5659951	13162003	68.01%	5.187%
72	21.131	3150	3156	3160	rVV2	5798777	11927281	61.63%	4.700%
73	21.237	3170	3174	3178	rBV	1739724	2211002	11.42%	0.871%
74	21.307	3182	3186	3194	rVB3	1376737	2323577	12.01%	0.916%
75	21.384	3194	3199	3204	rBV2	1332721	2184855	11.29%	0.861%
76	21.437	3204	3208	3216	rVB2	1139617	2018744	10.43%	0.796%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101520.D
Acq On : 7 Nov 2024 6:01
Operator : RC/JU
Sample : P4711-06 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
CF-613-COMP-17

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_E\Methods\8270-BE110624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	21.554	3224	3228	3232	rBV	398589	562430	2.91%	0.222%
78	21.613	3232	3238	3244	rBV	1917023	3742479	19.34%	1.475%
79	21.666	3244	3247	3251	rVB	964012	1231048	6.36%	0.485%
80	21.730	3254	3258	3261	rBV	554346	702333	3.63%	0.277%
81	21.824	3270	3274	3278	rBV3	1007377	1613967	8.34%	0.636%
82	21.865	3278	3281	3284	rVV	622418	756721	3.91%	0.298%
83	21.907	3284	3288	3293	rVB2	751734	1147669	5.93%	0.452%
84	22.124	3322	3325	3332	rVB5	362427	745572	3.85%	0.294%
85	22.424	3371	3376	3382	rVB2	820325	1465597	7.57%	0.578%
86	22.700	3411	3423	3426	rBV	4722939	15487623	80.03%	6.103%
87	22.782	3433	3437	3443	rVB	533584	834096	4.31%	0.329%
88	22.853	3443	3449	3457	rBV	1839653	3367153	17.40%	1.327%
89	22.988	3465	3472	3479	rBV	488103	1413511	7.30%	0.557%
90	23.193	3498	3507	3513	rBV	3308211	7966956	41.17%	3.140%
91	23.299	3516	3525	3534	rVB	4530672	12391502	64.03%	4.883%
92	23.393	3535	3541	3545	rBV3	1403576	3111815	16.08%	1.226%
93	23.446	3545	3550	3561	rVB	2327073	4510584	23.31%	1.778%
94	25.467	3890	3894	3901	rVB2	359514	793227	4.10%	0.313%
95	25.755	3929	3943	3966	rVB3	2808477	13846784	71.55%	5.457%
96	25.978	3975	3981	3990	rVB	624778	1612366	8.33%	0.635%
97	26.525	4061	4074	4085	rVB	2391958	9341099	48.27%	3.681%
98	26.871	4129	4133	4144	rVB2	656554	1901335	9.82%	0.749%

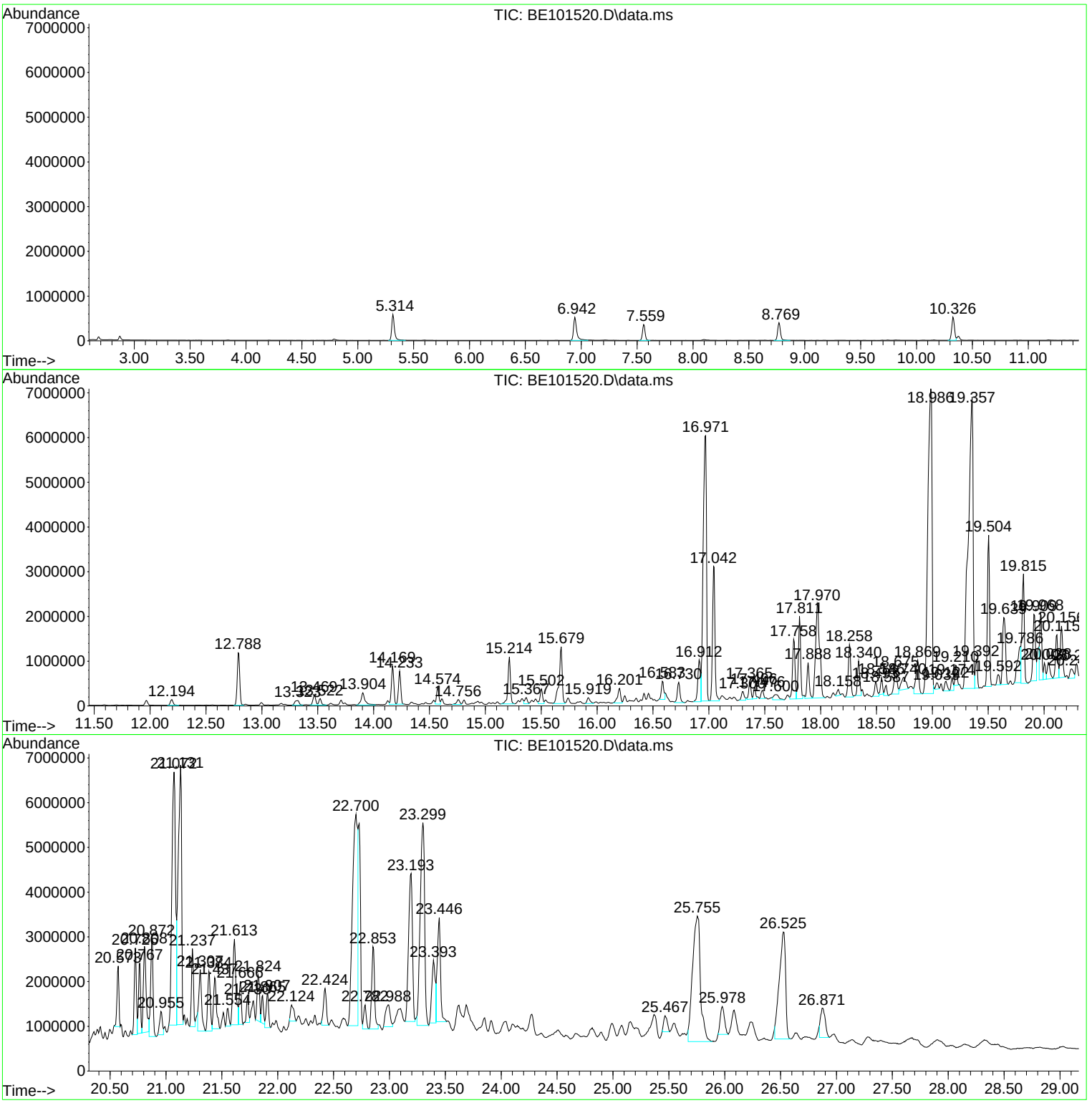
Sum of corrected areas: 253758914

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101520.D
Acq On : 7 Nov 2024 6:01
Operator : RC/JU
Sample : P4711-06 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
CF-613-COMP-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.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_E\Data\BE110624\
Data File : BE101520.D
Acq On : 7 Nov 2024 6:01
Operator : RC/JU
Sample : P4711-06 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
CF-613-COMP-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

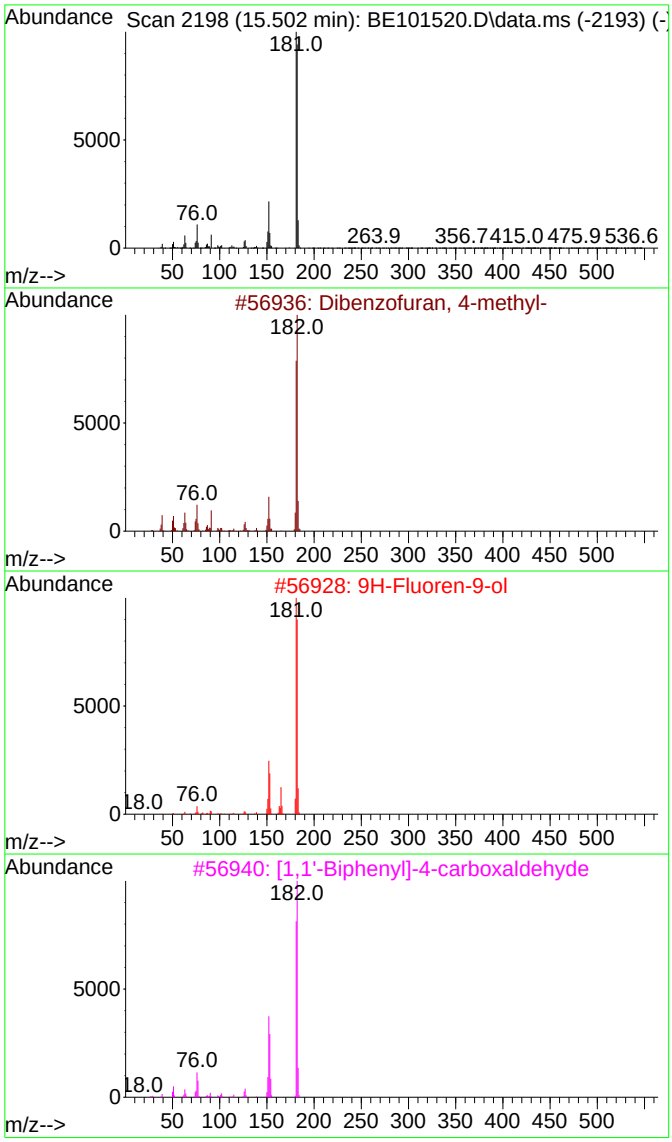
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

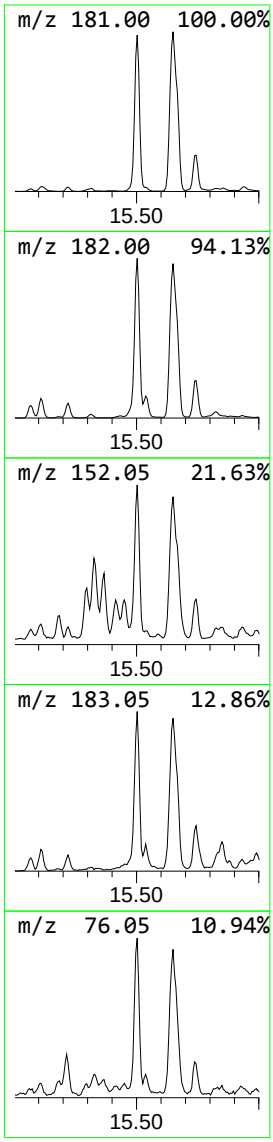
****

Peak Number 1 Dibenzofuran, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.502	7.99 ng	504240	Acenaphthene-d10	14.169

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	80
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	80
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101520.D
Acq On : 7 Nov 2024 6:01
Operator : RC/JU
Sample : P4711-06 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
CF-613-COMP-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

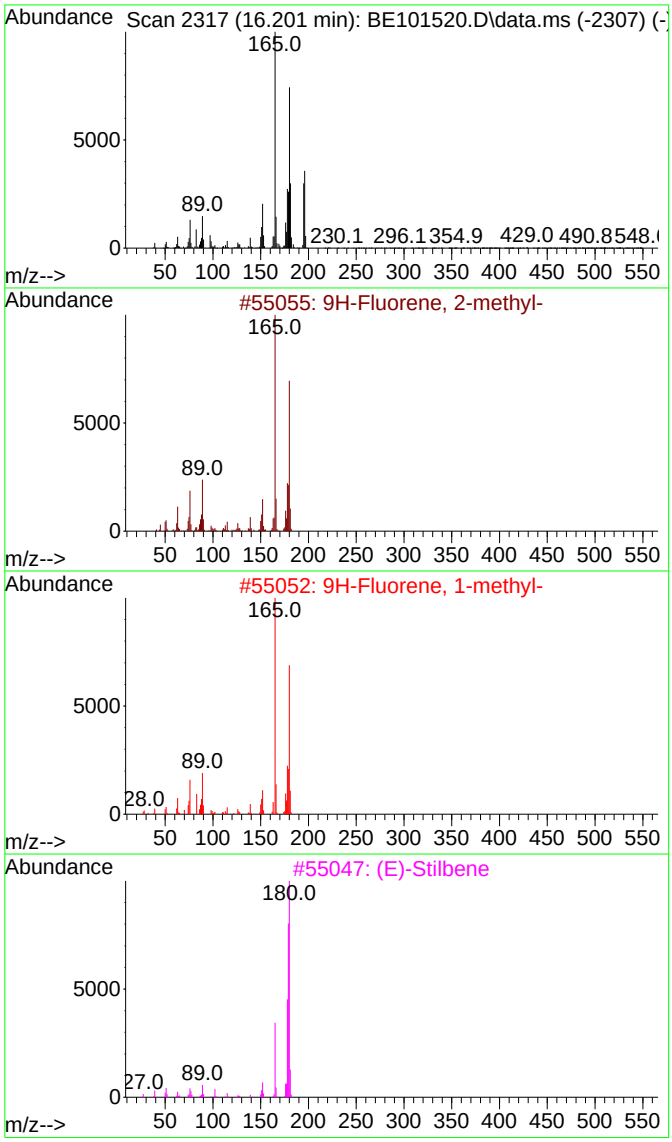
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

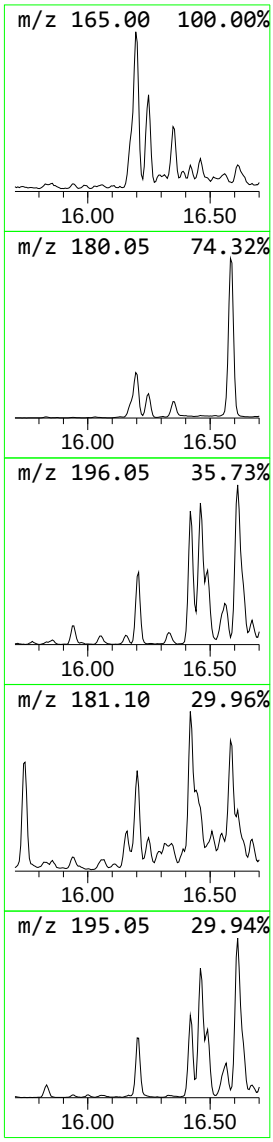
****

Peak Number 2 9H-Fluorene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.201	7.33 ng	619479	Phenanthrene-d10	16.912

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	(E)-Stilbene	180	C14H12	000103-30-0	70
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	64
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101520.D
Acq On : 7 Nov 2024 6:01
Operator : RC/JU
Sample : P4711-06 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
CF-613-COMP-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

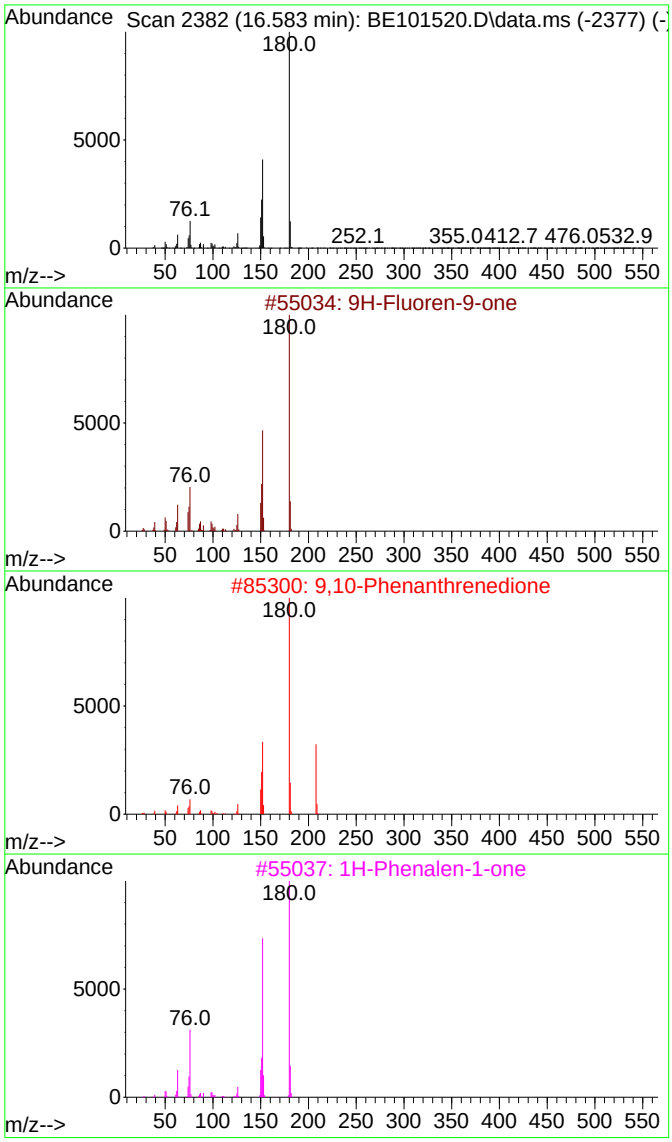
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

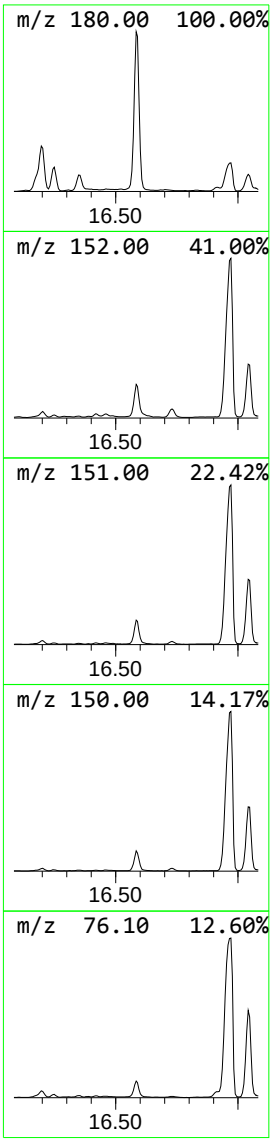
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.583	7.63 ng	644512	Phenanthrene-d10	16.912

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	91
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	72
4	5-Methoxy-4-methyl-2,1,3-benzoth...	180	C8H8N2OS	089976-68-1	50
5	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101520.D
Acq On : 7 Nov 2024 6:01
Operator : RC/JU
Sample : P4711-06 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
CF-613-COMP-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

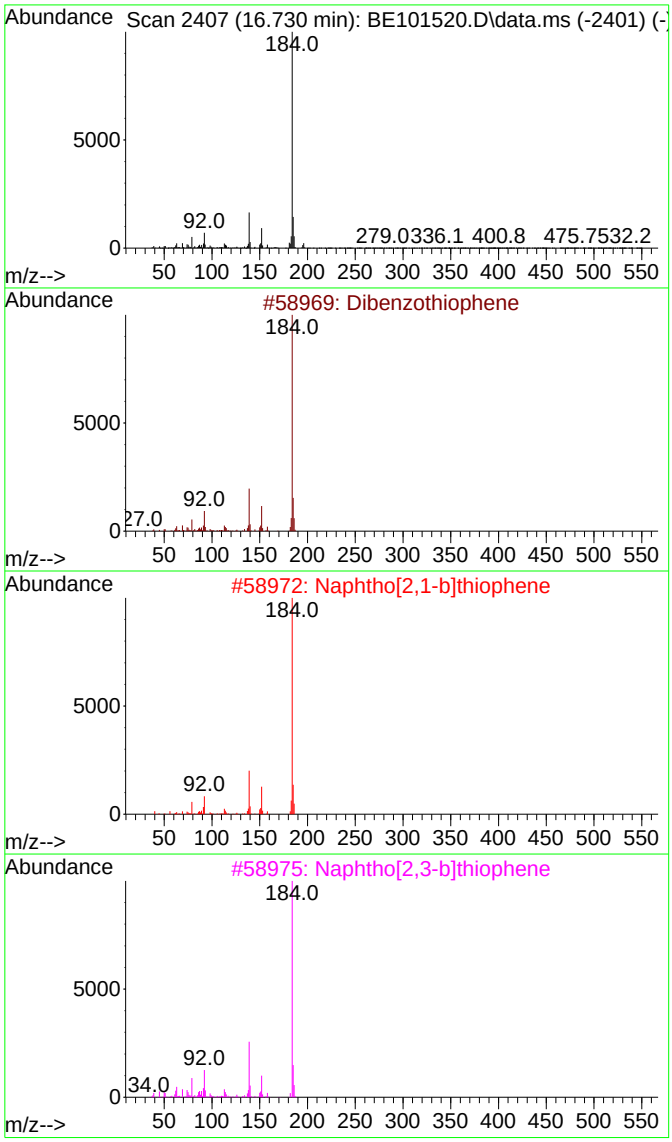
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

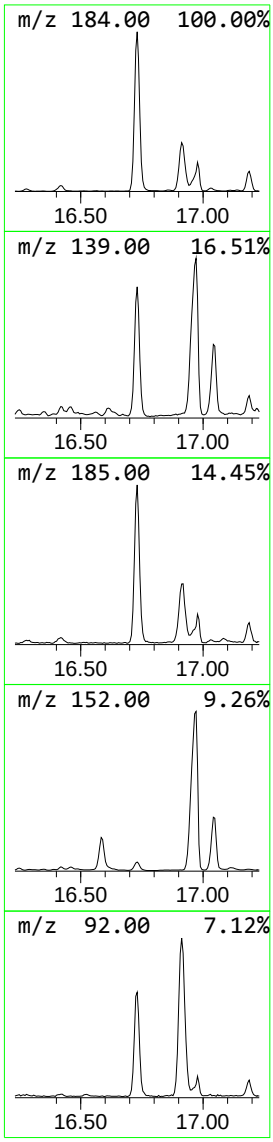
****

Peak Number 4 Dibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.730	8.96 ng	756722	Phenanthrene-d10	16.912

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101520.D
Acq On : 7 Nov 2024 6:01
Operator : RC/JU
Sample : P4711-06 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
CF-613-COMP-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

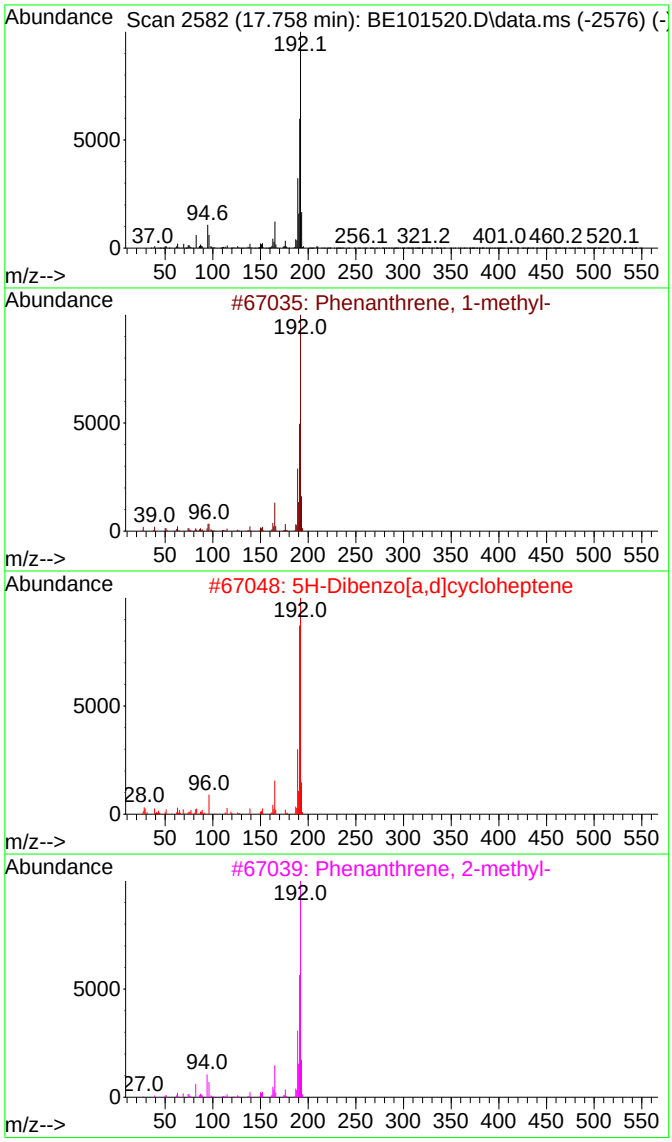
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

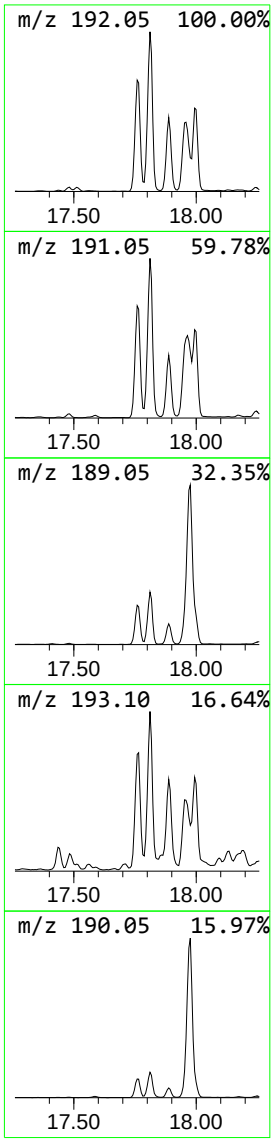
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.759	24.63 ng	2081550	Phenanthrene-d10	16.912

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Acq On : 7 Nov 2024 6:01
Operator : RC/JU
Sample : P4711-06 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CF-613-COMP-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

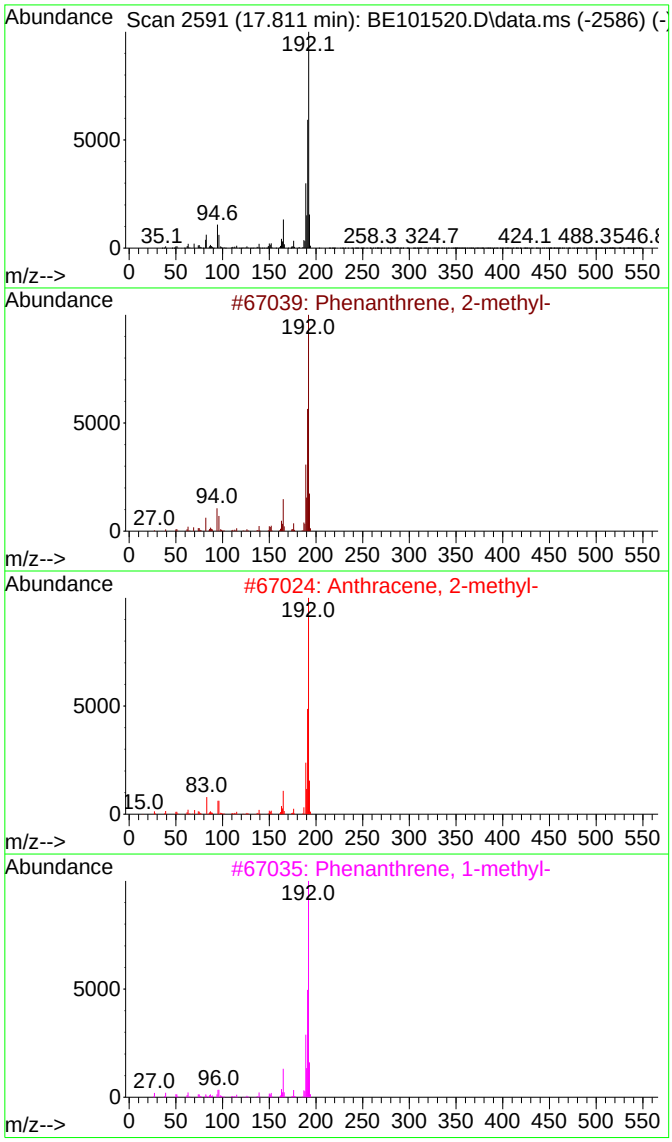
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

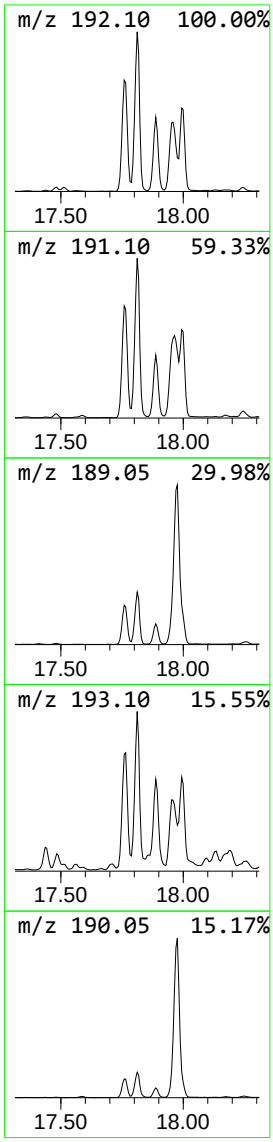
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.811	30.44 ng	2572110	Phenanthrene-d10	16.912

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	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Sample : P4711-06 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CF-613-COMP-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

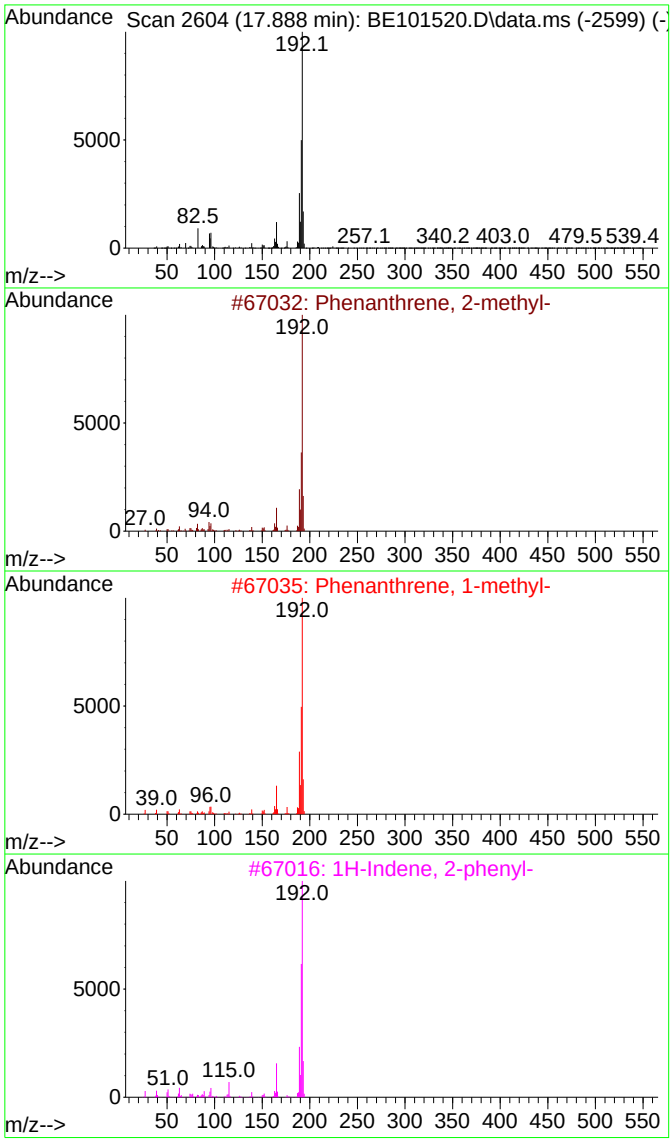
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

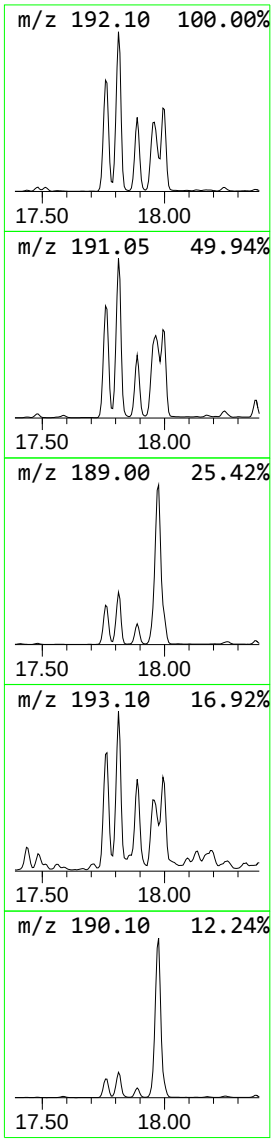
****

Peak Number 7 1H-Indene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.888	13.44 ng	1135390	Phenanthrene-d10	16.912

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





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Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CF-613-COMP-17

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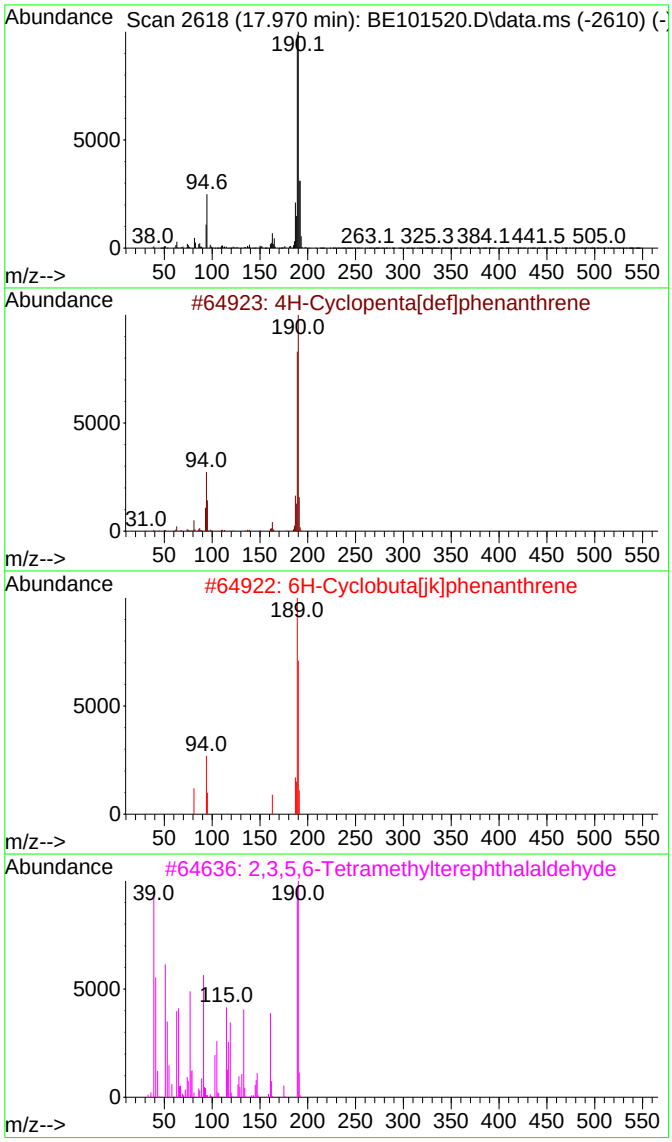
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

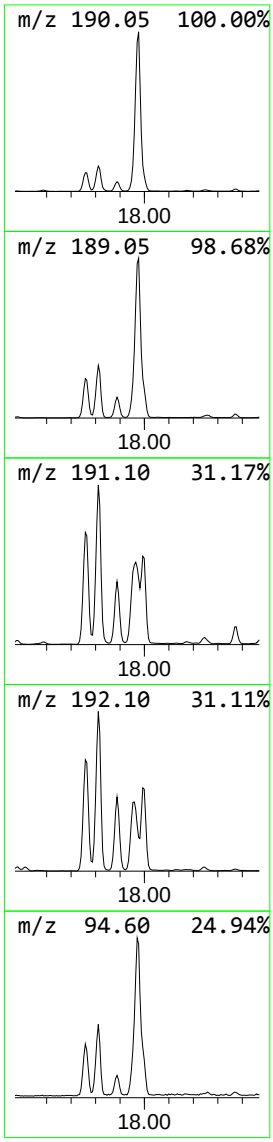
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.970	62.36 ng	5268880	Phenanthrene-d10	16.912

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40





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Acq On : 7 Nov 2024 6:01
Operator : RC/JU
Sample : P4711-06 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
CF-613-COMP-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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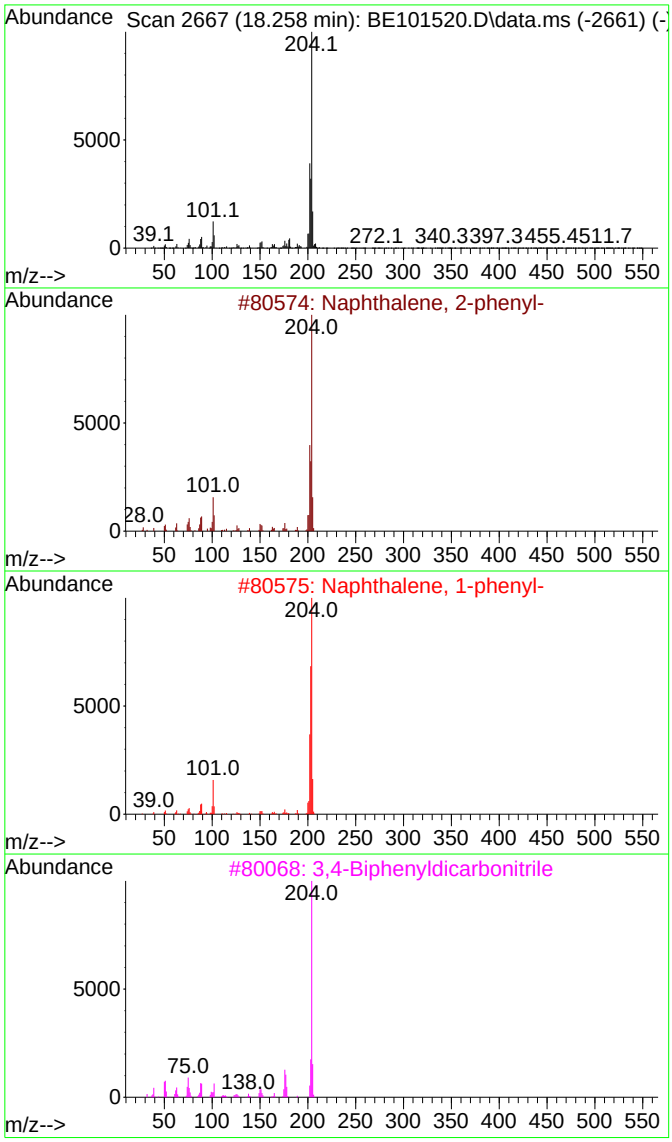
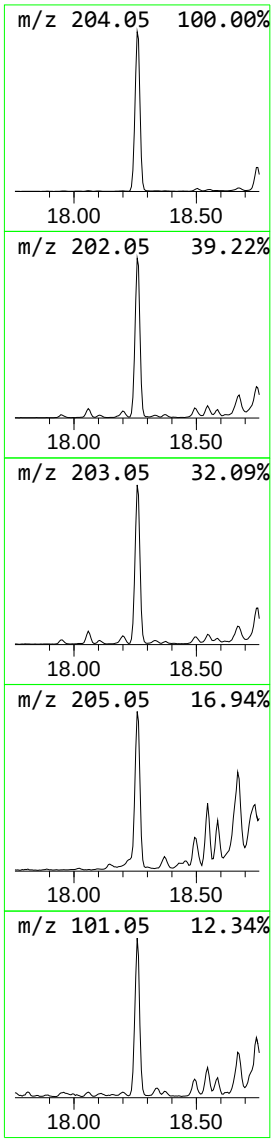
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.258	21.52 ng	1818340	Phenanthrene-d10	16.912

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	49
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47





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Sample : P4711-06 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
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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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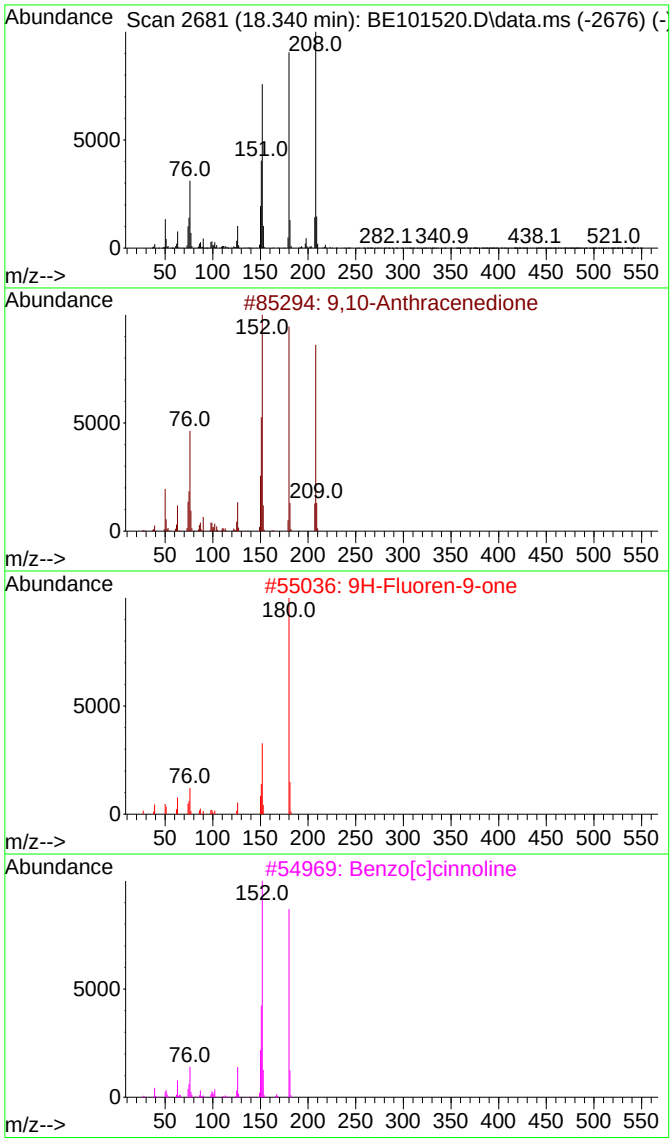
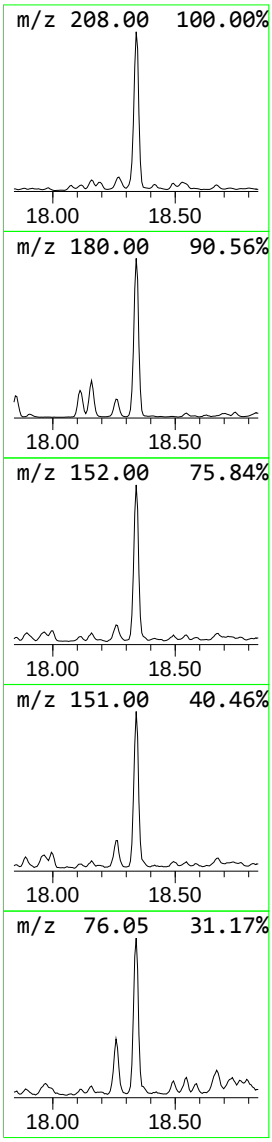
Peak Number 10 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.340	12.71 ng	1073940	Phenanthrene-d10	16.912

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	58





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Misc :
ALS Vial : 29 Sample Multiplier: 1

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

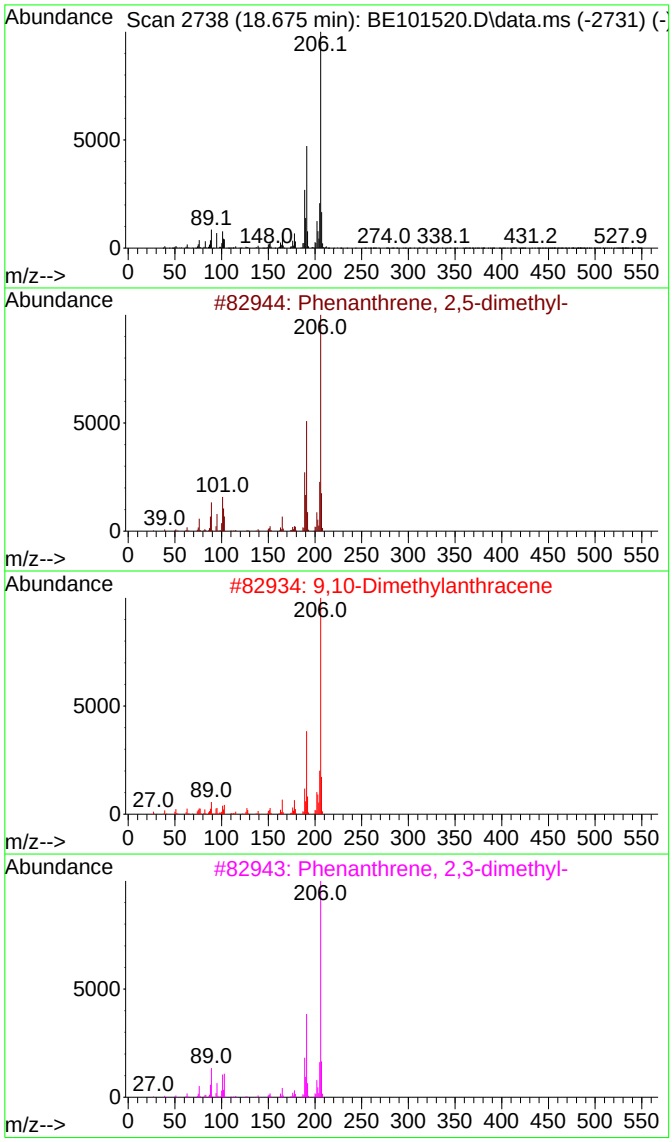
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

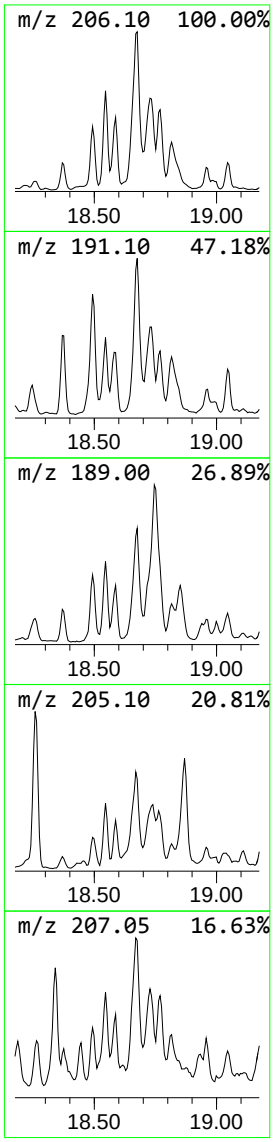
****

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.675	11.99 ng	1012690	Phenanthrene-d10	16.912

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83





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Acq On : 7 Nov 2024 6:01
Operator : RC/JU
Sample : P4711-06 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CF-613-COMP-17

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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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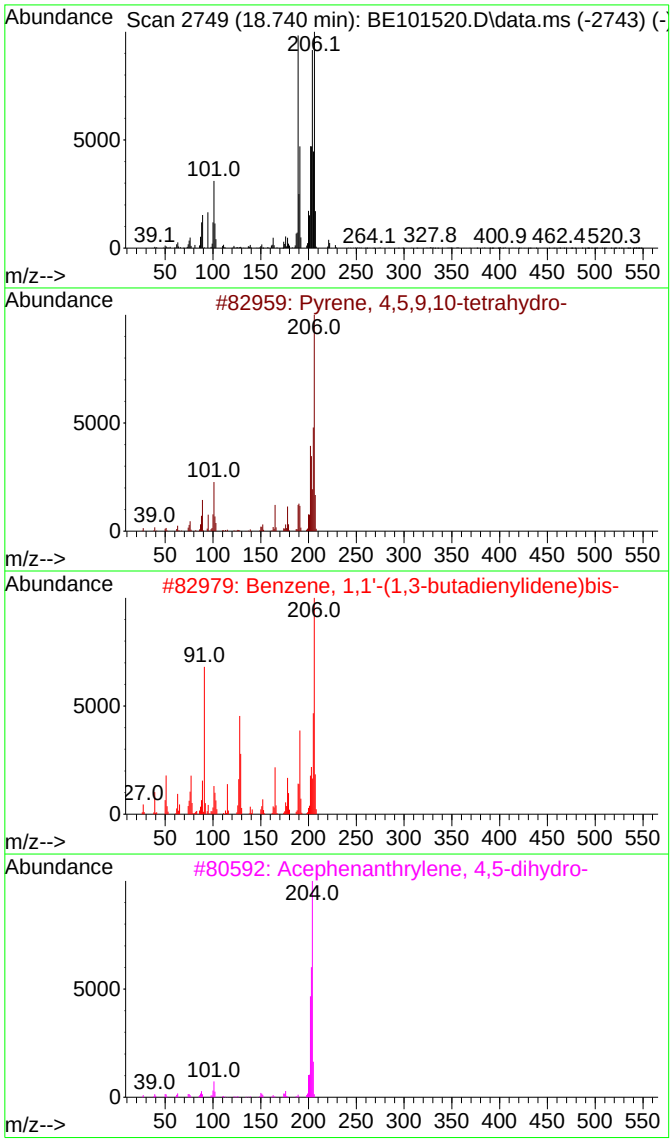
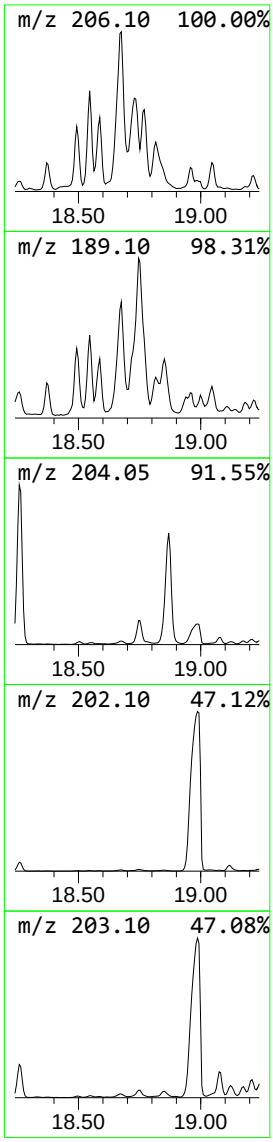
Peak Number 12 unknown18.740 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.740	9.23 ng	780228	Phenanthrene-d10	16.912

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	46
2	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	38
3	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38
4	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	30
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	27





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Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CF-613-COMP-17

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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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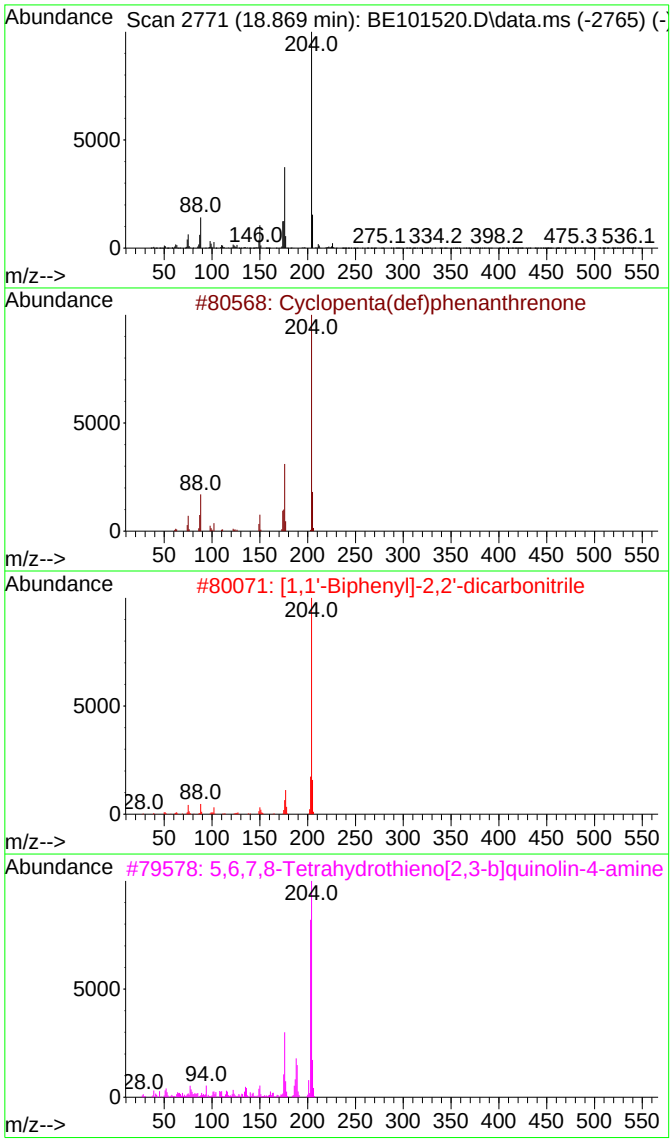
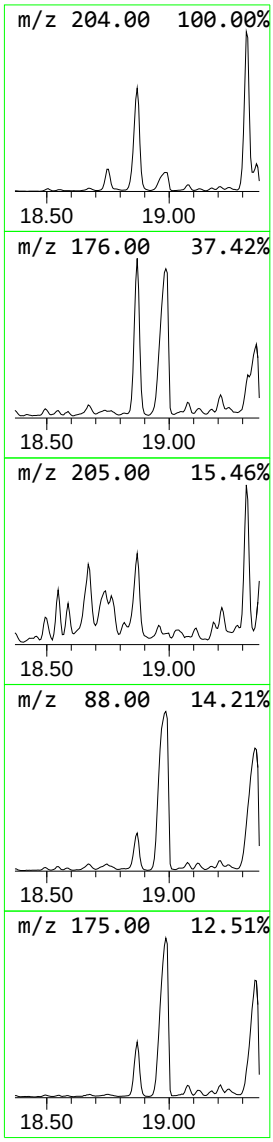
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.869	16.30 ng	1377330	Phenanthrene-d10	16.912

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	64
3	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	64
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
5	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	42





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Sample : P4711-06 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CF-613-COMP-17

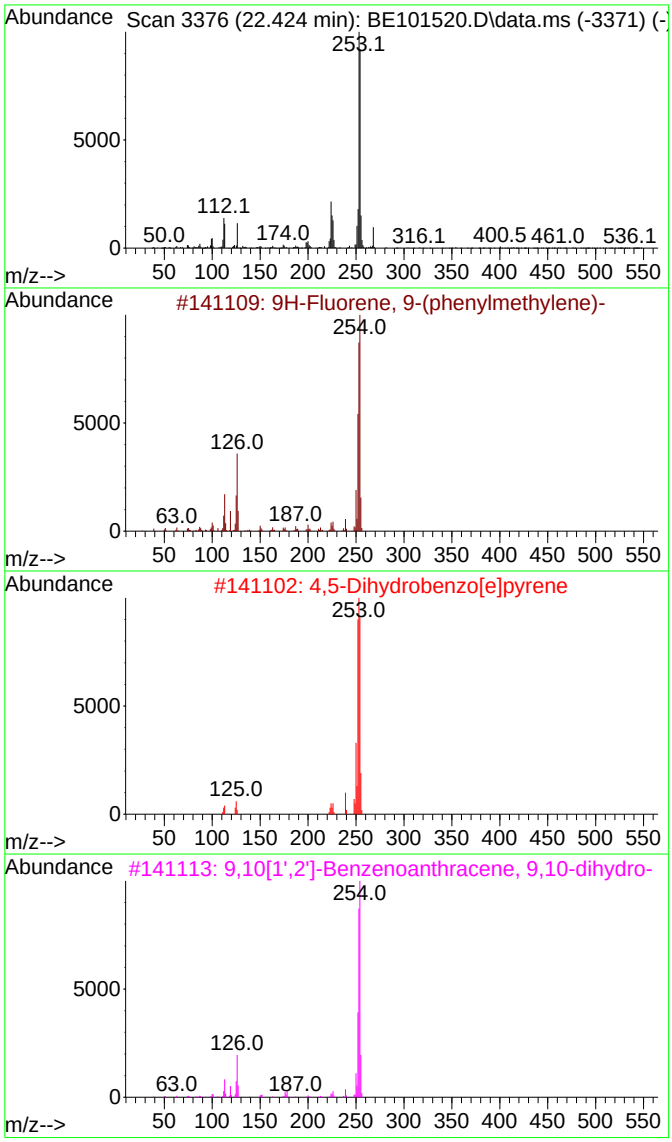
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

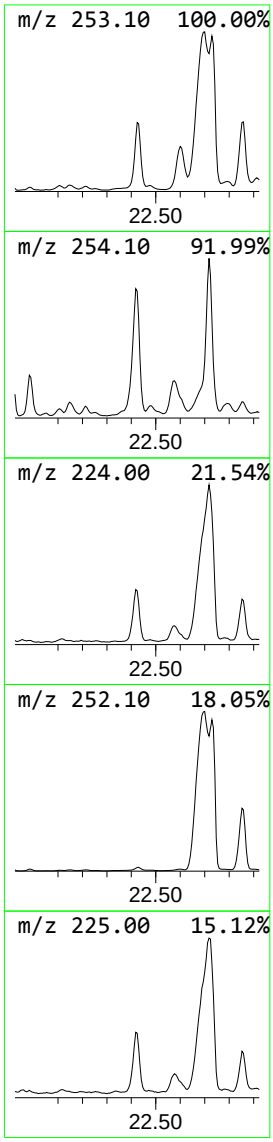
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 9H-Fluorene, 9-(phenylmethy... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.424	9.42 ng	1465600	Perylene-d12	23.393

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	64
2	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	64
3	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	64
4	Phenanthrene, 1-phenyl-	254	C20H14	004325-76-2	59
5	Benzofuran-6-ol-3-one, 2-[4-hydr...	254	C15H10O4	1000128-64-9	58





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Sample : P4711-06 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

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ClientSampleId :
CF-613-COMP-17

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

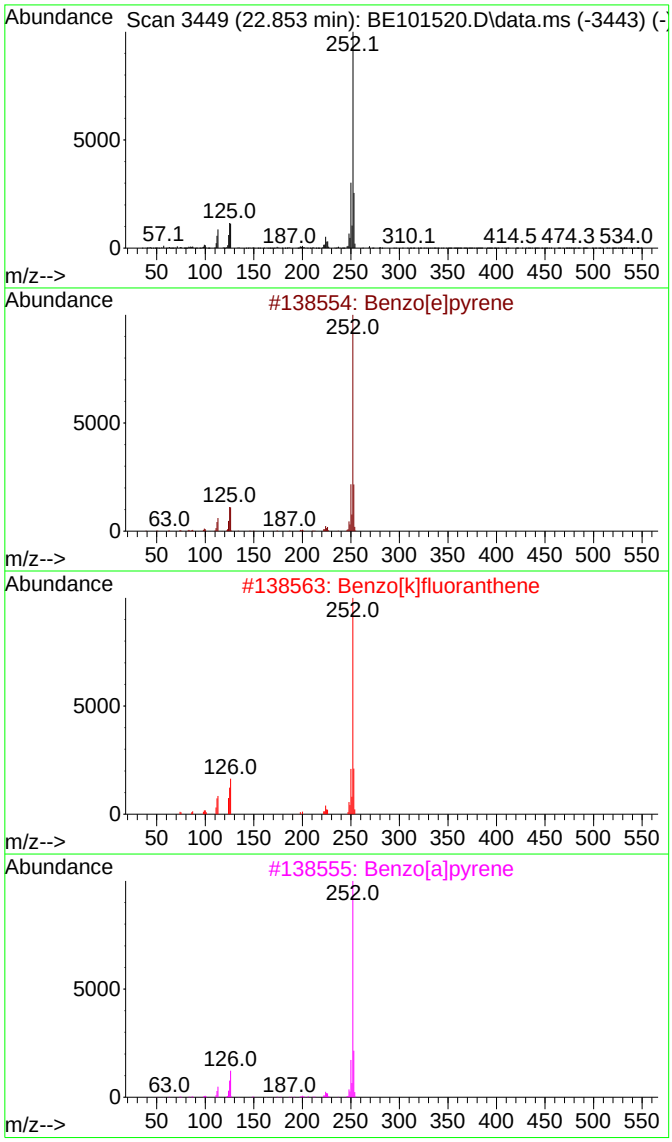
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

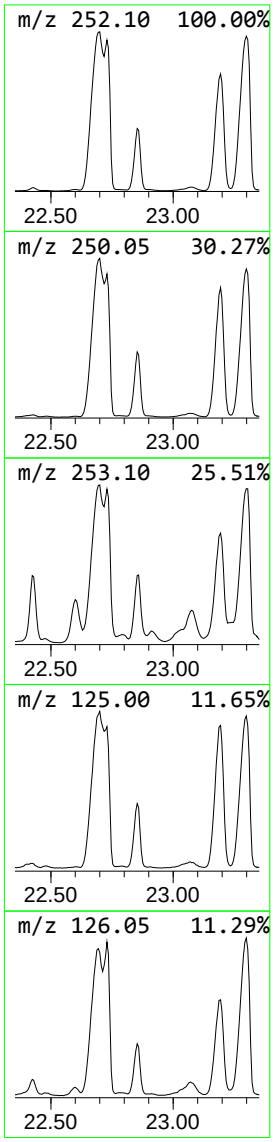
****

Peak Number 15 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.852	21.64 ng	3367150	Perylene-d12	23.393

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	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	95
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
5	Perylene	252	C20H12	000198-55-0	93





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Misc :
ALS Vial : 29 Sample Multiplier: 1

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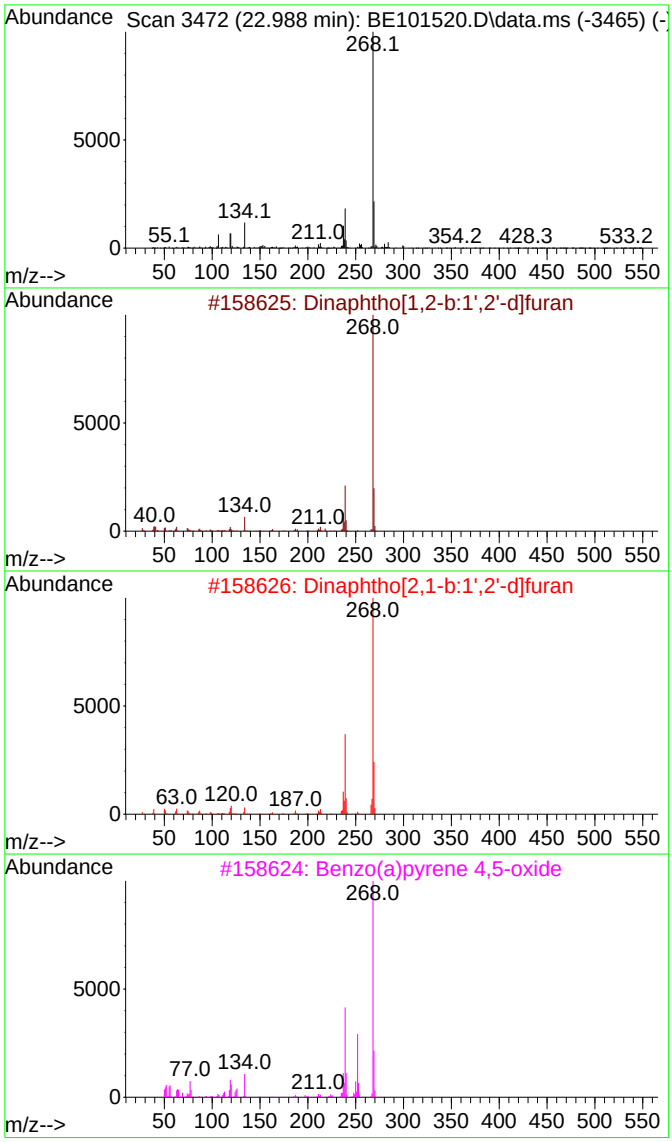
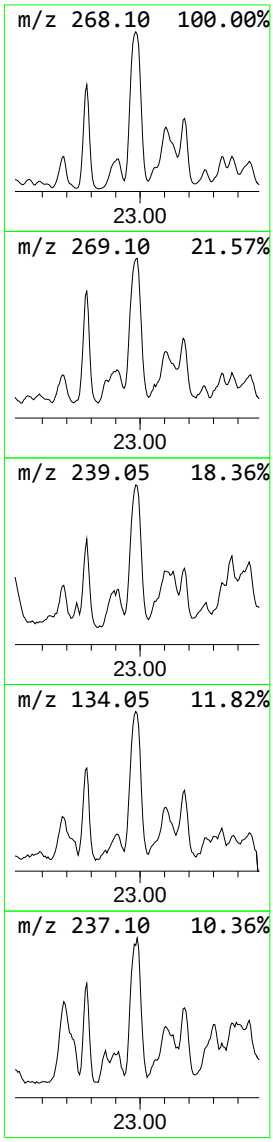
Peak Number 16 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.988	9.08 ng	1413510	Perylene-d12	23.393

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	93
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	72
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	72
4	Disperse Red 11	268	C15H12N2O3	002872-48-2	64
5	Naphthalene, 1-(2-naphthalenylme...	268	C21H16	000611-48-3	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101520.D
Acq On : 7 Nov 2024 6:01
Operator : RC/JU
Sample : P4711-06 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
CF-613-COMP-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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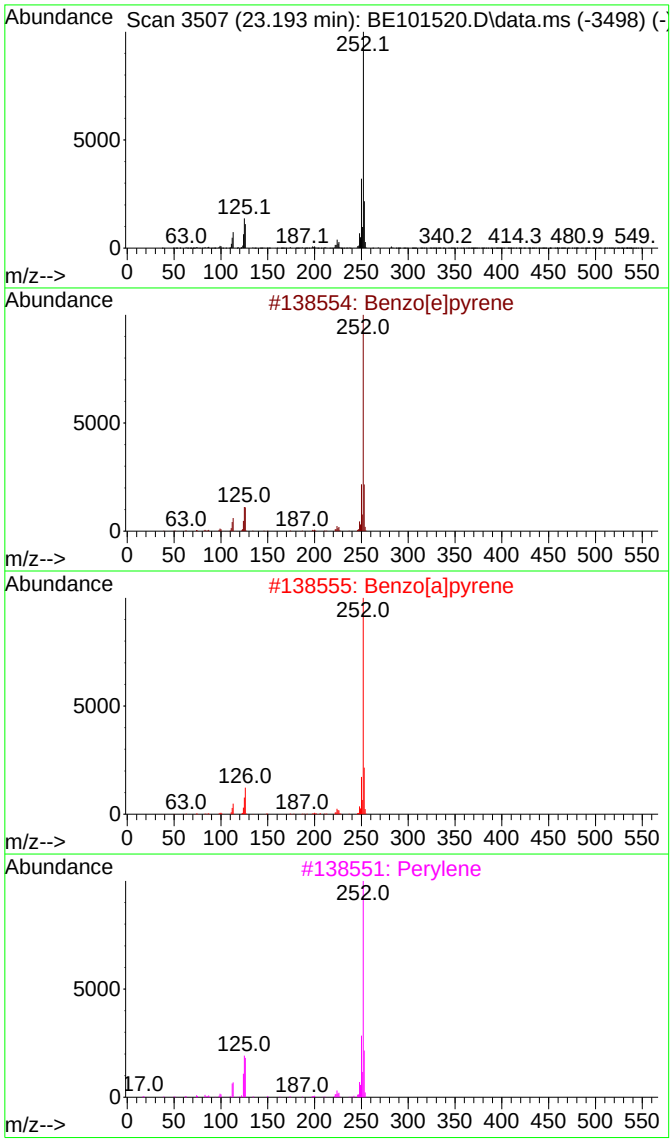
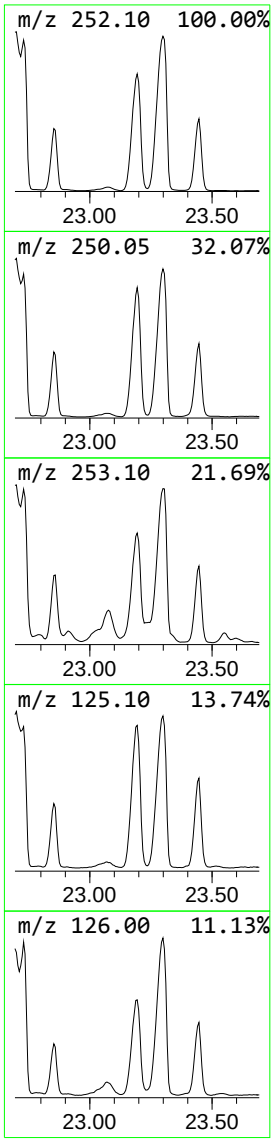
Peak Number 17 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.193	51.20 ng	7966960	Perylene-d12	23.393

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





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Data File : BE101520.D
Acq On : 7 Nov 2024 6:01
Operator : RC/JU
Sample : P4711-06 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
CF-613-COMP-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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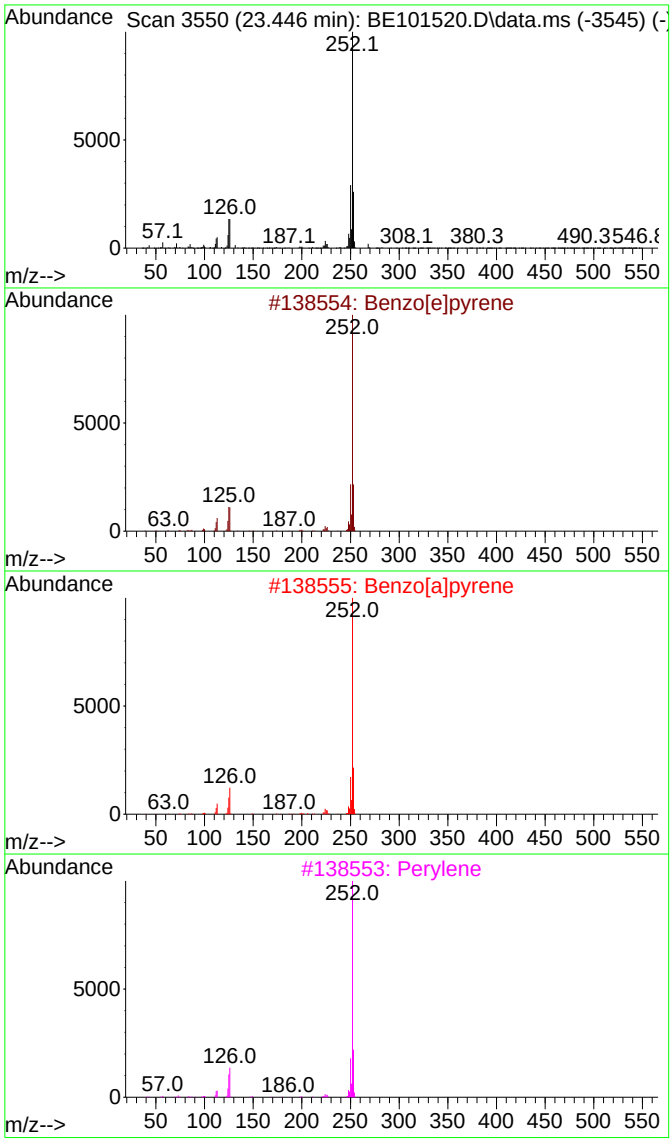
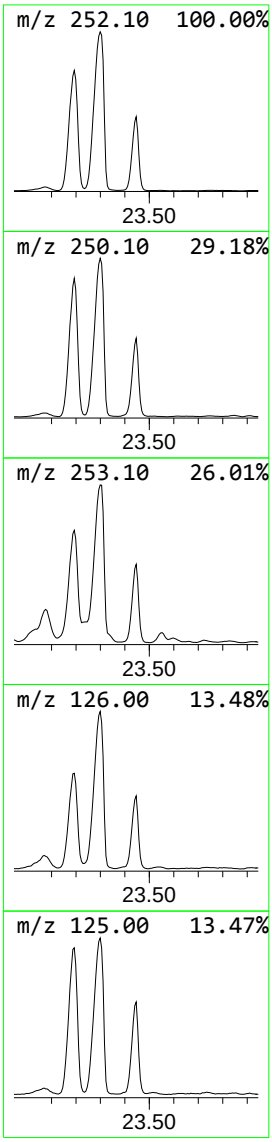
Peak Number 18 unknown23.446 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.446	28.99 ng	4510580	Perylene-d12	23.393

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	98
3	Perylene	252	C20H12	000198-55-0	96
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	96
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95





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Data File : BE101520.D
Acq On : 7 Nov 2024 6:01
Operator : RC/JU
Sample : P4711-06 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
CF-613-COMP-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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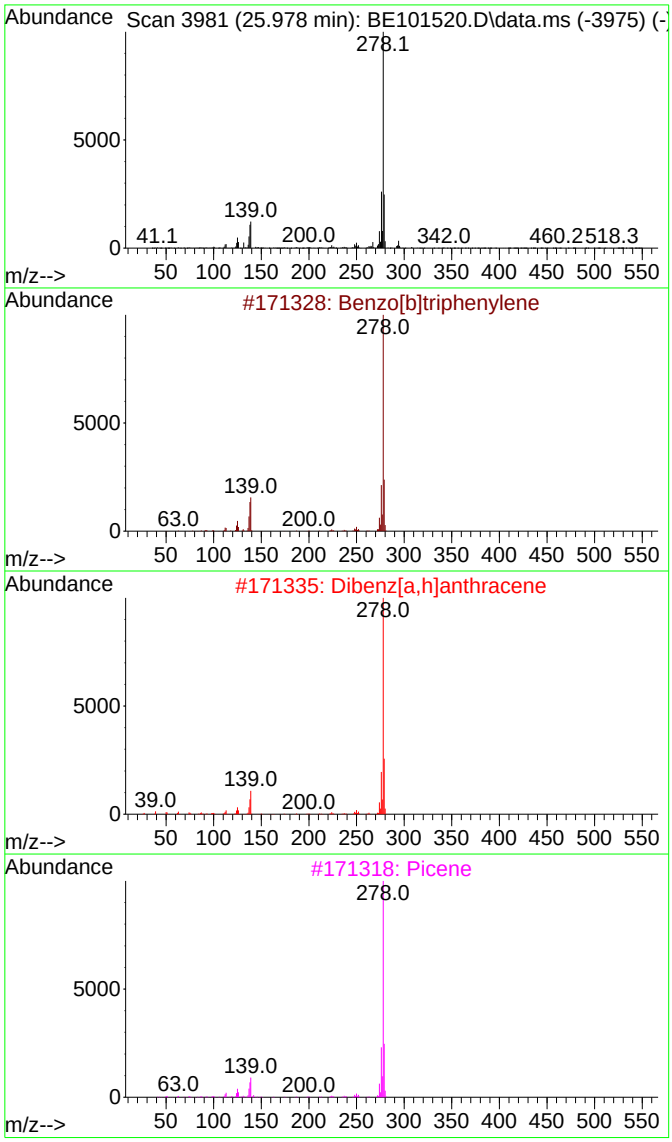
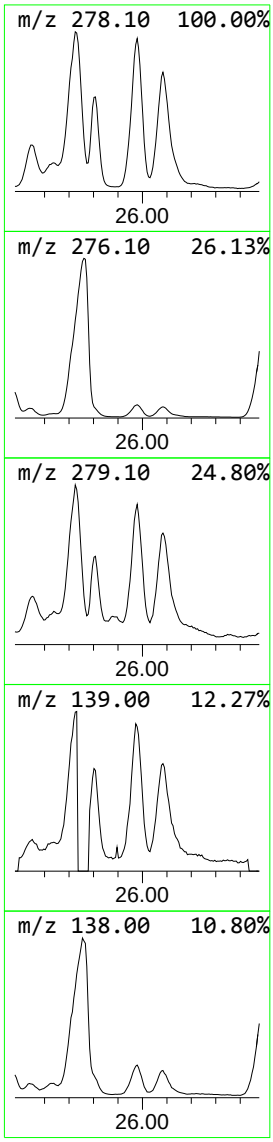
Peak Number 19 Benzo[b]triphenylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.978	10.36 ng	1612370	Perylene-d12	23.393

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
3	Picene	278	C22H14	000213-46-7	97
4	Benzo[b]chrysene	278	C22H14	000214-17-5	96
5	Pentaphene	278	C22H14	000222-93-5	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101520.D
Acq On : 7 Nov 2024 6:01
Operator : RC/JU
Sample : P4711-06 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
CF-613-COMP-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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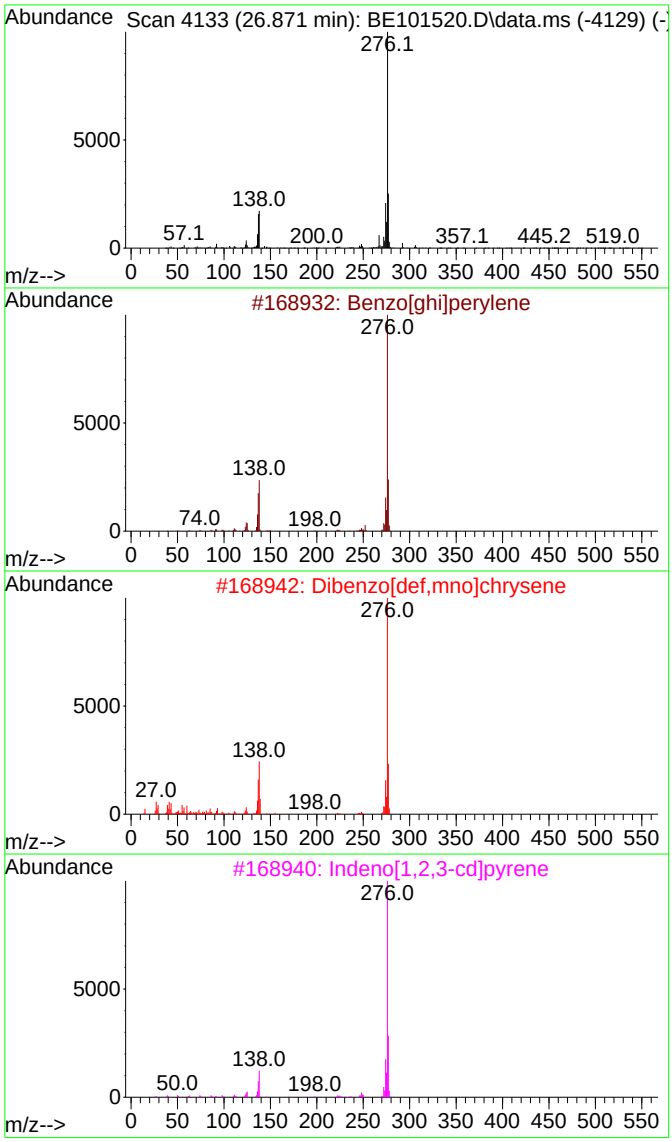
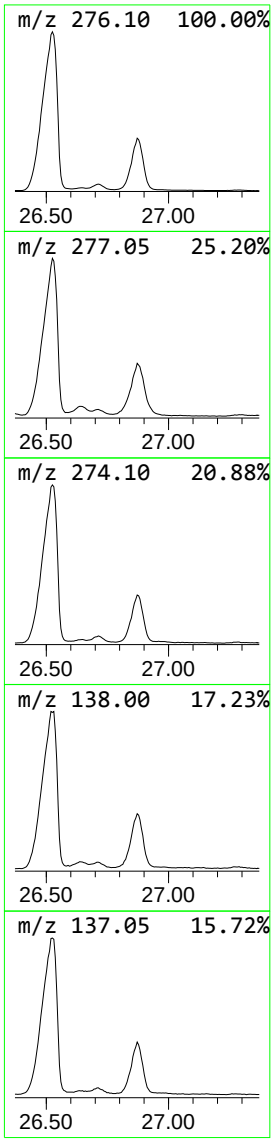
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.871	12.22 ng	1901340	Perylene-d12	23.393

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	95
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	93
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	90
4	4-(2-(3-Nitrophenyl)ethenyl)quin...	276	C17H12N2O2	074839-90-0	52
5	6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101520.D
Acq On : 7 Nov 2024 6:01
Operator : RC/JU
Sample : P4711-06 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
CF-613-COMP-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.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
Dibenzofuran, 4...	15.502	8.0	ng	504240	3	14.169	1262720	20.0
9H-Fluorene, 2-...	16.201	7.3	ng	619479	4	16.912	1689910	20.0
9H-Fluoren-9-one	16.583	7.6	ng	644512	4	16.912	1689910	20.0
Dibenzothiophene	16.730	9.0	ng	756722	4	16.912	1689910	20.0
Phenanthrene, 1...	17.759	24.6	ng	2081550	4	16.912	1689910	20.0
Phenanthrene, 2...	17.811	30.4	ng	2572110	4	16.912	1689910	20.0
1H-Indene, 2-ph...	17.888	13.4	ng	1135390	4	16.912	1689910	20.0
4H-Cyclopenta[d...	17.970	62.4	ng	5268880	4	16.912	1689910	20.0
Naphthalene, 2-...	18.258	21.5	ng	1818340	4	16.912	1689910	20.0
9,10-Anthracene...	18.340	12.7	ng	1073940	4	16.912	1689910	20.0
Phenanthrene, 2...	18.675	12.0	ng	1012690	4	16.912	1689910	20.0
unknown18.740	18.740	9.2	ng	780228	4	16.912	1689910	20.0
Cyclopenta(def)...	18.869	16.3	ng	1377330	4	16.912	1689910	20.0
9H-Fluorene, 9-...	22.424	9.4	ng	1465600	6	23.393	3111820	20.0
Benzo[e]pyrene	22.852	21.6	ng	3367150	6	23.393	3111820	20.0
Dinaphtho[1,2-b...	22.988	9.1	ng	1413510	6	23.393	3111820	20.0
Perylene	23.193	51.2	ng	7966960	6	23.393	3111820	20.0
unknown23.446	23.446	29.0	ng	4510580	6	23.393	3111820	20.0
Benzo[b]triphen...	25.978	10.4	ng	1612370	6	23.393	3111820	20.0
Dibenzo[def,mno...	26.871	12.2	ng	1901340	6	23.393	3111820	20.0