LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071625\
Data File : BP025165.D
Acq On : 16 Jul 2025 19:40
Operator : CG/JU
Sample : Q2598-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-01-071425

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-BP070325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025165.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.102	362	368	381	rBV	3016200	4213050	10.30%	0.872%
2	6.637	621	629	638	rBV	2745963	4506570	11.02%	0.932%
3	7.443	758	766	773	rBV	2207049	3538309	8.65%	0.732%
4	8.572	946	958	967	rBV	1724225	2945264	7.20%	0.609%
5	10.184	1223	1232	1239	rBV	2455853	4500775	11.00%	0.931%
6	11.725	1481	1494	1500	rBV8	138199	563770	1.38%	0.117%
7	11.866	1513	1518	1525	rBV2	431445	977183	2.39%	0.202%
8	11.937	1527	1530	1543	rVB	322283	1068379	2.61%	0.221%
9	12.102	1552	1558	1564	rVB	520156	856910	2.09%	0.177%
10	12.702	1653	1660	1667	rBV	4569317	6722773	16.43%	1.391%
11	13.119	1726	1731	1743	rVB	196249	485057	1.19%	0.100%
12	13.243	1747	1752	1761	rVB2	446843	1009448	2.47%	0.209%
13	13.413	1774	1781	1786	rBV	794580	1451175	3.55%	0.300%
14	13.472	1786	1791	1797	rVB	512090	755390	1.85%	0.156%
15	13.543	1797	1803	1810	rBV2	240284	482677	1.18%	0.100%
16	13.643	1815	1820	1824	rBV	417921	695251	1.70%	0.144%
17	13.813	1841	1849	1859	rBV2	1239215	2538137	6.20%	0.525%
18	14.101	1891	1898	1904	rVB	4285590	6577873	16.08%	1.361%
19	14.166	1904	1909	1914	rBV	1574846	2284150	5.58%	0.473%
20	14.337	1932	1938	1945	rBV2	543309	1116474	2.73%	0.231%
21	14.419	1945	1952	1957	rVV2	366272	727678	1.78%	0.151%
22	14.507	1960	1967	1977	rVV2	1017270	2217746	5.42%	0.459%
23	14.601	1978	1983	1988	rVB	712806	1011996	2.47%	0.209%
24	14.743	2000	2007	2012	rBV2	670007	1318017	3.22%	0.273%
25	14.796	2012	2016	2020	rVB	449836	576746	1.41%	0.119%
26	15.084	2059	2065	2068	rBV3	412668	713349	1.74%	0.148%
27	15.172	2074	2080	2086	rVV	2258684	3399952	8.31%	0.703%
28	15.313	2100	2104	2107	rVV	580190	743113	1.82%	0.154%
29	15.401	2113	2119	2122	rBV4	223273	462519	1.13%	0.096%
30	15.484	2128	2133	2135	rBV2	506809	872641	2.13%	0.181%
31	15.631	2145	2158	2169	rBV2	3385219	6512558	15.92%	1.347%
32	15.719	2169	2173	2178	rBV2	277368	459143	1.12%	0.095%
33	16.201	2247	2255	2259	rBV2	870466	1752167	4.28%	0.363%
34	16.254	2259	2264	2271	rVB3	531340	978548	2.39%	0.202%
35	16.372	2281	2284	2290	rVB3	570506	961581	2.35%	0.199%
36	16.490	2300	2304	2307	rVB3	491725	654156	1.60%	0.135%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071625\
Data File : BP025165.D
Acq On : 16 Jul 2025 19:40
Operator : CG/JU
Sample : Q2598-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-01-071425

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-BP070325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	16.660	2326	2333	2339	rBV2	474988	1153835	2.82%	0.239%
38	16.742	2342	2347	2351	rVV	1268096	2040411	4.99%	0.422%
39	16.913	2371	2376	2379	rBV	5457667	7307384	17.86%	1.512%
40	16.960	2379	2384	2391	rVB	12003735	19339614	47.27%	4.001%
41	17.060	2396	2401	2407	rVB	5174964	7522622	18.39%	1.556%
42	17.131	2408	2413	2418	rBV4	736989	1357557	3.32%	0.281%
43	17.248	2430	2433	2436	rVB	490883	614646	1.50%	0.127%
44	17.342	2445	2449	2454	rVB2	495362	793520	1.94%	0.164%
45	17.466	2467	2470	2474	rVV	605744	628824	1.54%	0.130%
46	17.525	2474	2480	2486	rVB	2071018	3099932	7.58%	0.641%
47	17.660	2499	2503	2511	rVB	1313278	2191932	5.36%	0.453%
48	17.748	2513	2518	2521	rBV2	406368	710392	1.74%	0.147%
49	17.837	2528	2533	2537	rBV	4100809	6168579	15.08%	1.276%
50	17.878	2537	2540	2544	rVV	4776920	5399542	13.20%	1.117%
51	17.954	2549	2553	2558	rVV	2688650	3487300	8.52%	0.721%
52	18.019	2558	2564	2569	rVV2	7630063	13399146	32.75%	2.772%
53	18.066	2569	2572	2582	rVB	3139881	4871338	11.91%	1.008%
54	18.242	2599	2602	2607	rVB2	1285149	1753553	4.29%	0.363%
55	18.319	2611	2615	2617	rBV	657211	769862	1.88%	0.159%
56	18.360	2617	2622	2625	rVV2	2510188	4050186	9.90%	0.838%
57	18.389	2625	2627	2640	rVB3	1510252	3751813	9.17%	0.776%
58	18.489	2641	2644	2646	rBV	491649	639913	1.56%	0.132%
59	18.584	2656	2660	2662	rBV	1410358	1736310	4.24%	0.359%
60	18.613	2663	2665	2670	rVV2	1288969	2018206	4.93%	0.418%
61	18.666	2671	2674	2677	rVV	1985430	2605717	6.37%	0.539%
62	18.707	2678	2681	2685	rVB2	1432194	1882274	4.60%	0.389%
63	18.801	2691	2697	2701	rBV	4567501	7582955	18.54%	1.569%
64	18.860	2701	2707	2711	rVV4	2272232	5014318	12.26%	1.037%
65	18.895	2711	2713	2716	rVB	1506852	1417522	3.47%	0.293%
66	18.936	2716	2720	2728	rBV3	2302296	5377440	13.14%	1.113%
67	19.001	2728	2731	2735	rBV	659678	853494	2.09%	0.177%
68	19.060	2736	2741	2748	rBV	23281001	33340897	81.50%	6.898%
69	19.148	2753	2756	2758	rBV	808273	869644	2.13%	0.180%
70	19.236	2766	2771	2775	rBV3	894930	1819215	4.45%	0.376%
71	19.319	2781	2785	2792	rBV3	2757520	4500307	11.00%	0.931%
72	19.442	2797	2806	2810	rBV	24724043	40909162	100.00%	8.464%
73	19.478	2810	2812	2816	rVV3	1933210	2320351	5.67%	0.480%
74	19.536	2817	2822	2827	rVB3	1752057	3074723	7.52%	0.636%
75	19.631	2835	2838	2841	rVB2	1356339	1439811	3.52%	0.298%
76	19.678	2842	2846	2856	rVB	9132449	13395999	32.75%	2.772%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071625\
Data File : BP025165.D
Acq On : 16 Jul 2025 19:40
Operator : CG/JU
Sample : Q2598-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-01-071425

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-BP070325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	19.795	2858	2866	2871	rBV3	3552248	8602577	21.03%	1.780%
78	19.883	2878	2881	2885	rVV3	1196743	1675776	4.10%	0.347%
79	19.936	2885	2890	2891	rVV2	2670842	4037324	9.87%	0.835%
80	19.966	2892	2895	2900	rVB	6174370	8422995	20.59%	1.743%
81	20.072	2909	2913	2917	rVB	4816657	6368275	15.57%	1.318%
82	20.131	2918	2923	2927	rBV	4940046	7534310	18.42%	1.559%
83	20.278	2944	2948	2952	rVB	3306202	4372493	10.69%	0.905%
84	20.325	2952	2956	2961	rVB	3261875	4123062	10.08%	0.853%
85	20.660	3011	3013	3017	rVB3	974244	995889	2.43%	0.206%
86	20.930	3054	3059	3064	rBV2	3366162	5371760	13.13%	1.111%
87	20.972	3064	3066	3070	rVB	1649577	1882409	4.60%	0.389%
88	21.019	3070	3074	3078	rBV3	1758016	2780986	6.80%	0.575%
89	21.336	3122	3128	3134	rBV2	13683387	29385156	71.83%	6.080%
90	21.395	3134	3138	3142	rVB	10237781	13989620	34.20%	2.894%
91	21.813	3205	3209	3223	rVB4	2509718	7205745	17.61%	1.491%
92	22.077	3251	3254	3260	rVB	3540715	5083841	12.43%	1.052%
93	22.136	3262	3264	3270	rVB	2611191	4057619	9.92%	0.839%
94	22.260	3282	3285	3291	rVB4	2399182	4102199	10.03%	0.849%
95	22.336	3293	3298	3301	rBV4	1683649	3482594	8.51%	0.721%
96	23.519	3489	3499	3505	rBV	7412268	23874393	58.36%	4.939%
97	24.189	3609	3613	3625	rVB	3807272	10369651	25.35%	2.145%
98	24.354	3634	3641	3654	rVB	7161332	19179497	46.88%	3.968%
99	24.507	3659	3667	3671	rBV2	3688328	9446523	23.09%	1.954%
100	24.566	3673	3677	3685	rVB2	2102027	5136335	12.56%	1.063%

Sum of corrected areas: 483341800

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071625\
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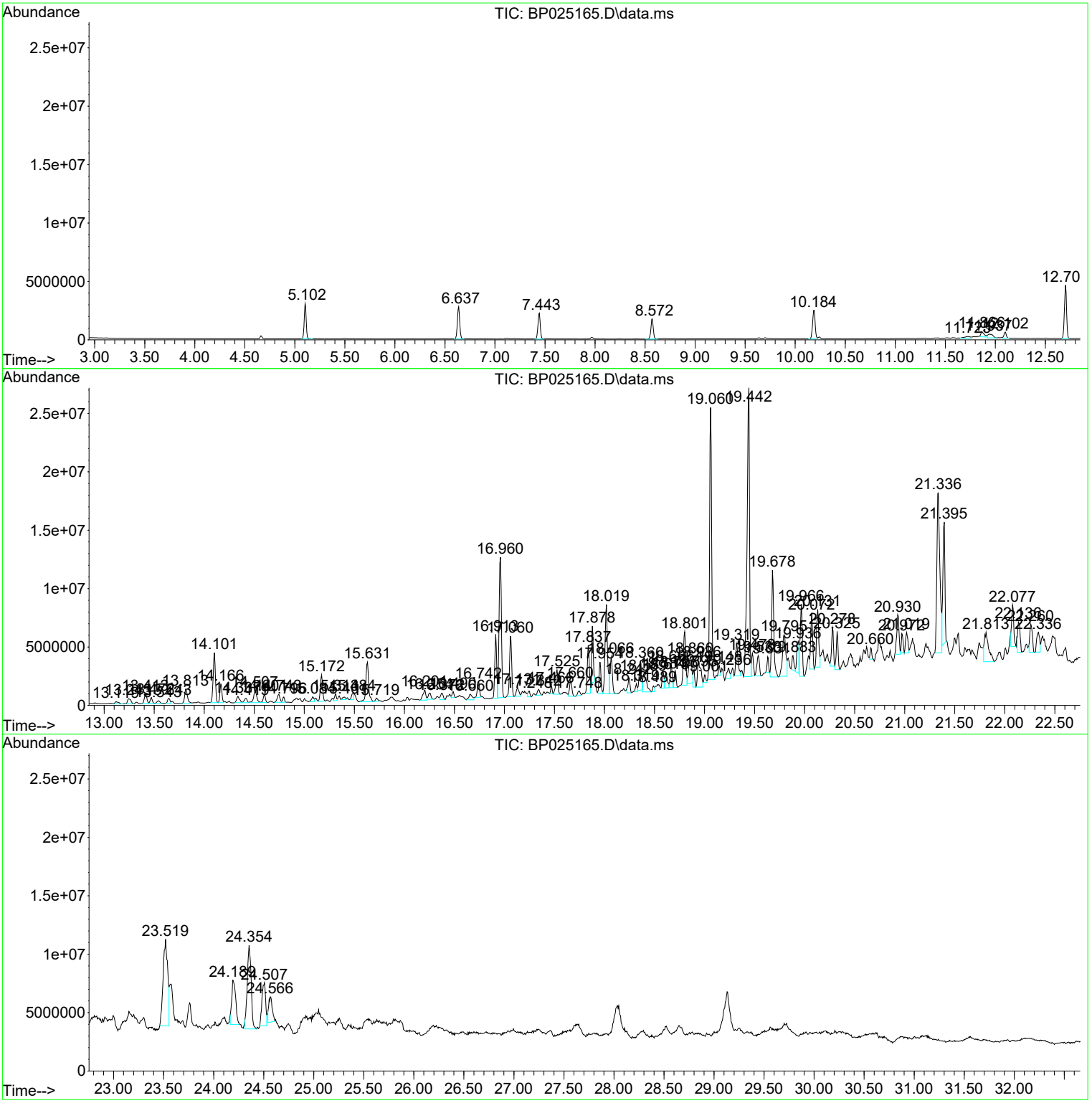
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-01-071425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.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\BP071625\
Data File : BP025165.D
Acq On : 16 Jul 2025 19:40
Operator : CG/JU
Sample : Q2598-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-01-071425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

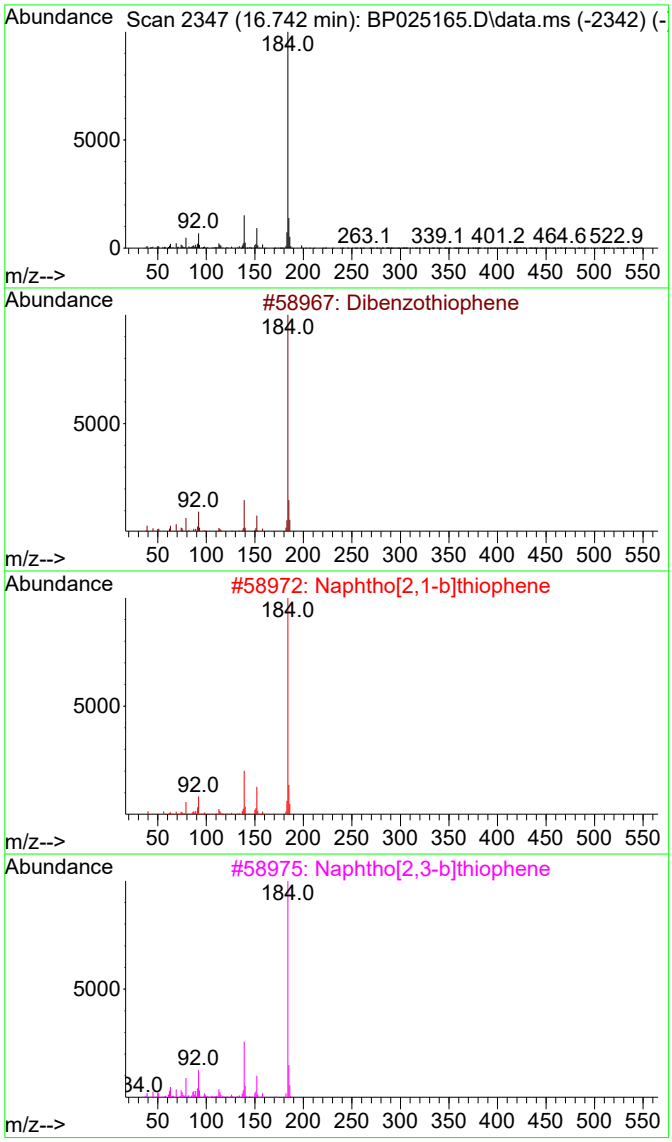
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

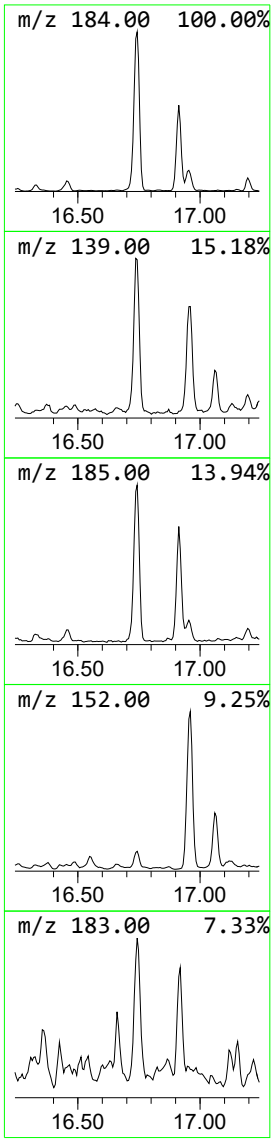
****

Peak Number 1 Dibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.743	5.58 ng	2040410	Phenanthrene-d10	16.913

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\BP071625\
Data File : BP025165.D
Acq On : 16 Jul 2025 19:40
Operator : CG/JU
Sample : Q2598-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-01-071425

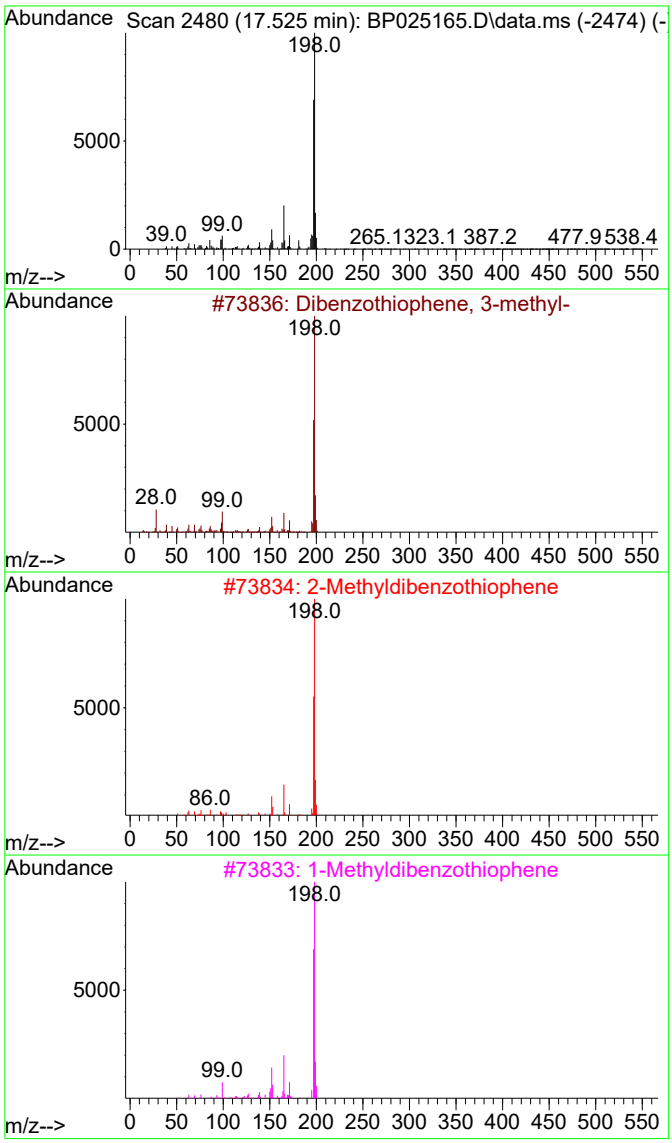
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

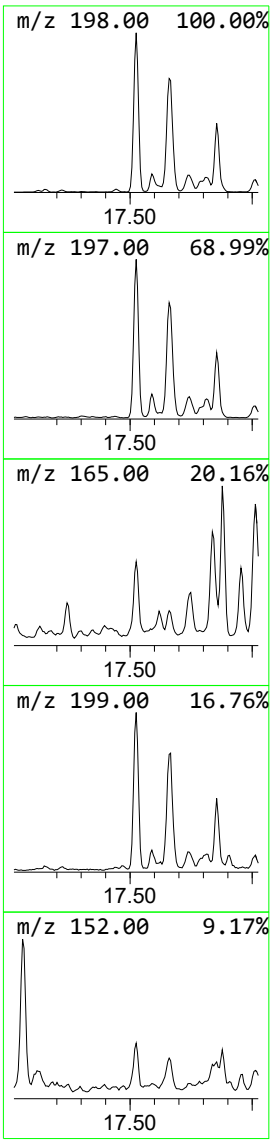
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Dibenzothiophene, 3-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.525	8.48 ng	3099930	Phenanthrene-d10	16.913

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
2	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	94
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	93
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	91
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071625\
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Acq On : 16 Jul 2025 19:40
Operator : CG/JU
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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-01-071425

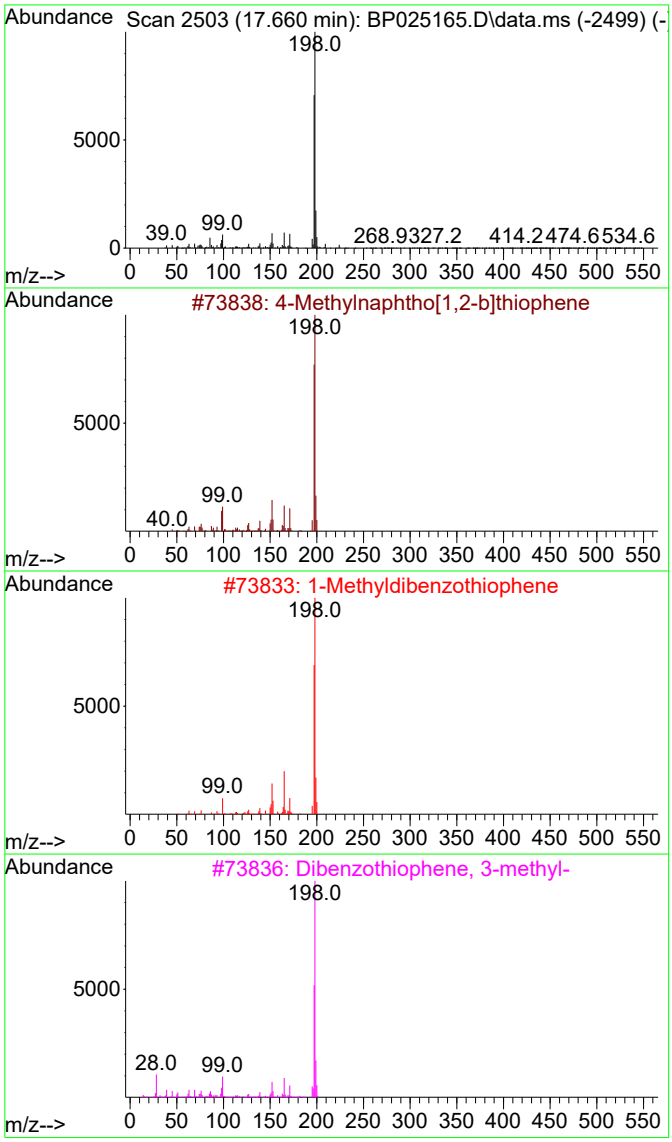
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

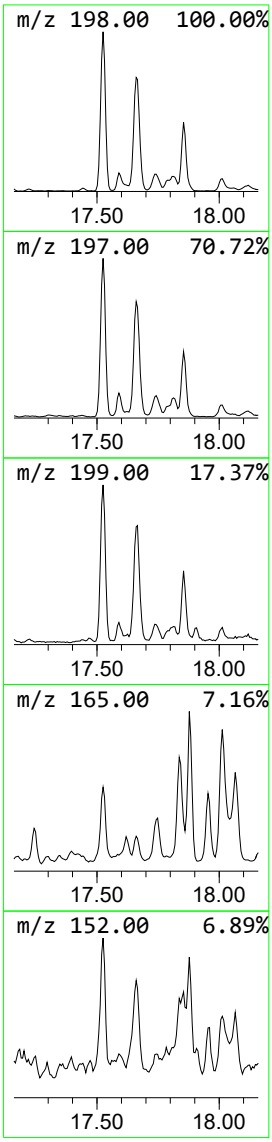
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.660	6.00 ng	2191930	Phenanthrene-d10	16.913

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	94
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	90
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	87
4	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	87
5	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071625\
Data File : BP025165.D
Acq On : 16 Jul 2025 19:40
Operator : CG/JU
Sample : Q2598-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-01-071425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

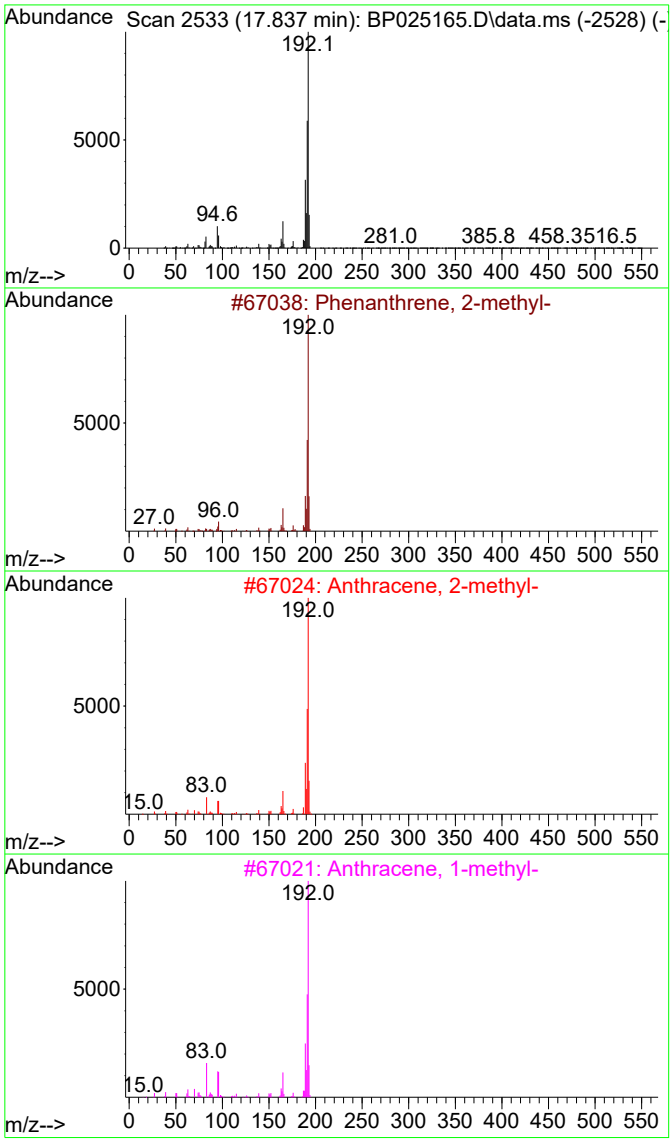
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

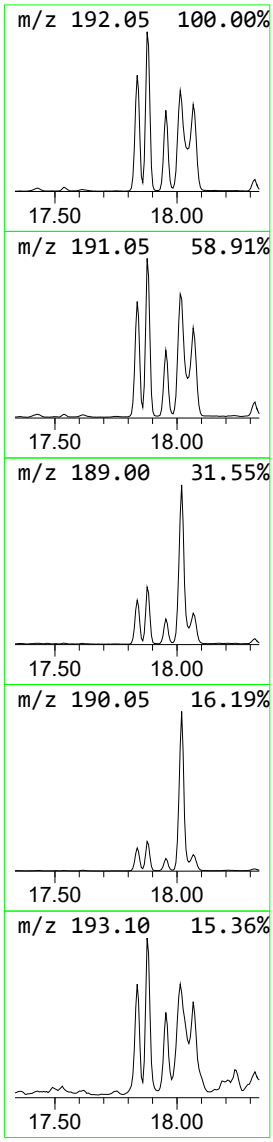
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.837	16.88 ng	6168580	Phenanthrene-d10	16.913

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071625\
Data File : BP025165.D
Acq On : 16 Jul 2025 19:40
Operator : CG/JU
Sample : Q2598-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-01-071425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

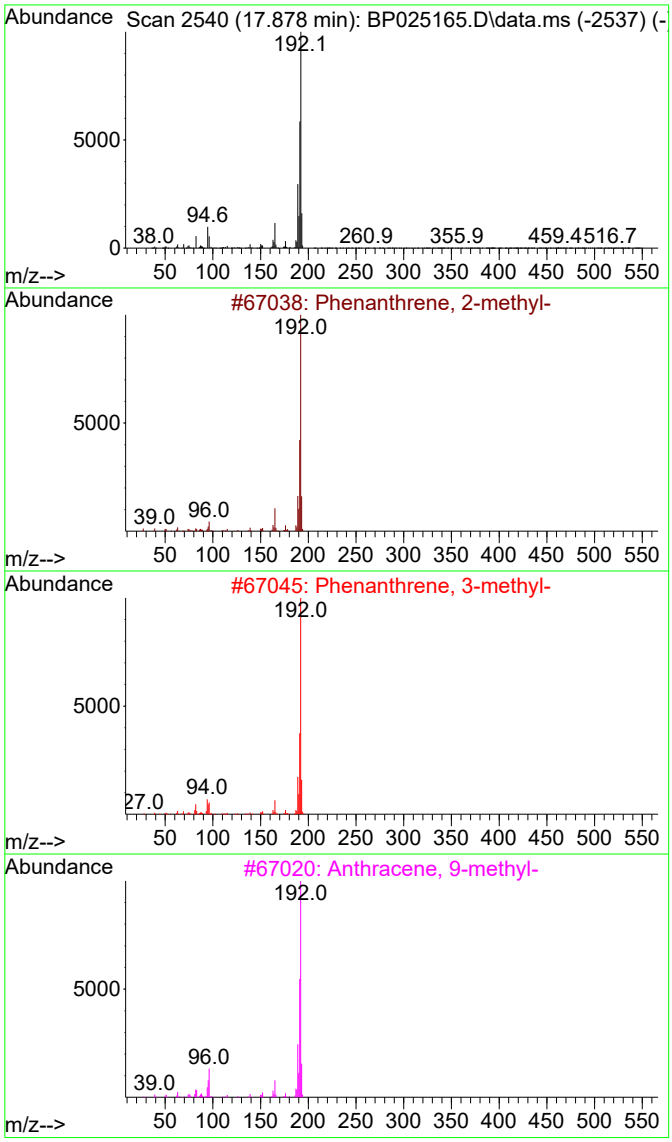
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

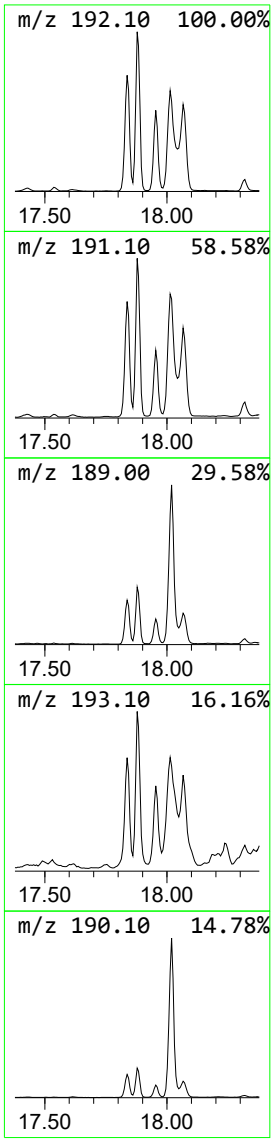
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.878	14.78 ng	5399540	Phenanthrene-d10	16.913

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





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Acq On : 16 Jul 2025 19:40
Operator : CG/JU
Sample : Q2598-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OK-01-071425

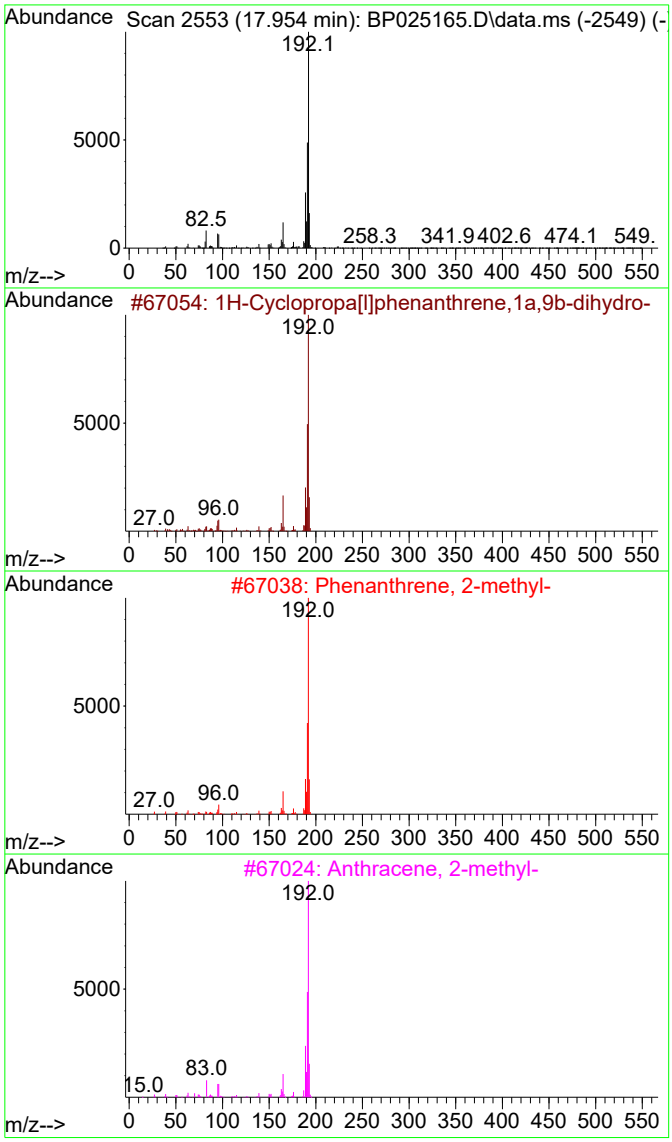
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

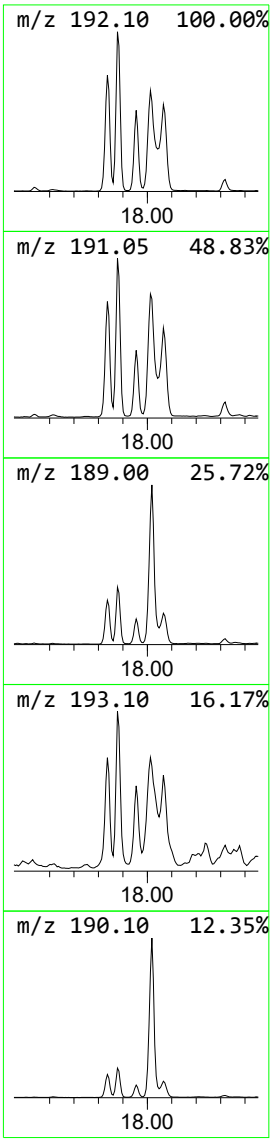
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.954	9.54 ng	3487300	Phenanthrene-d10	16.913

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	96





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Misc :
ALS Vial : 12 Sample Multiplier: 1

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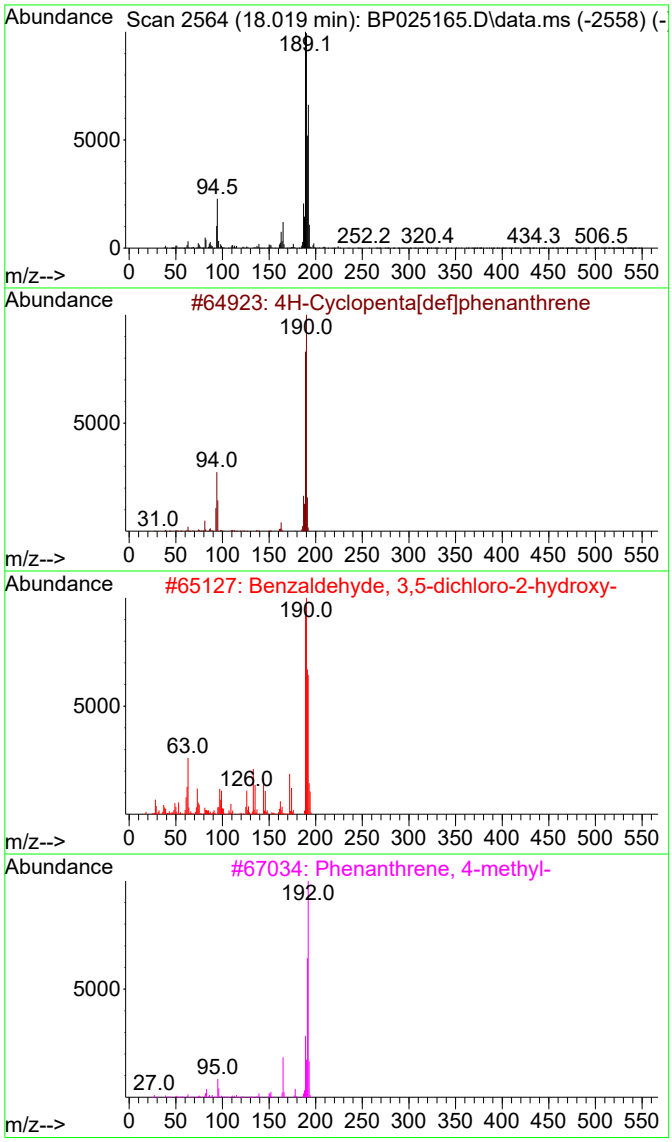
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

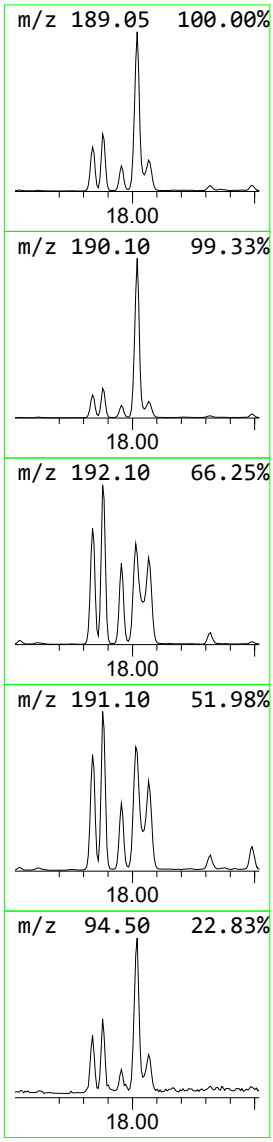
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.019	36.67 ng	13399100	Phenanthrene-d10	16.913

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	30
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25





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Misc :
ALS Vial : 12 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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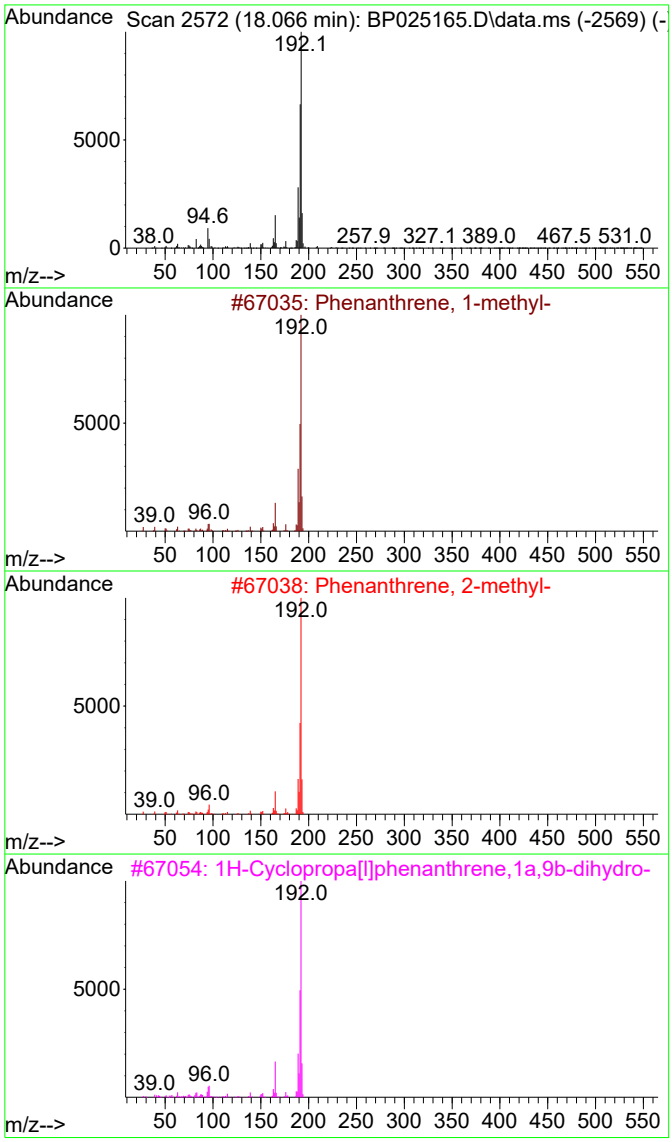
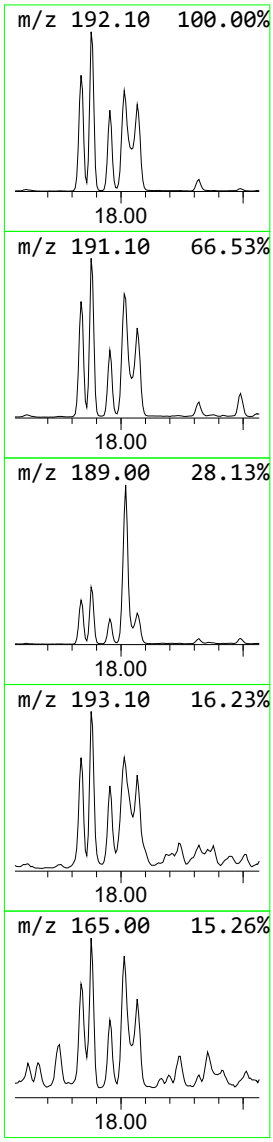
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.066	13.33 ng	4871340	Phenanthrene-d10	16.913

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93





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Misc :
ALS Vial : 12 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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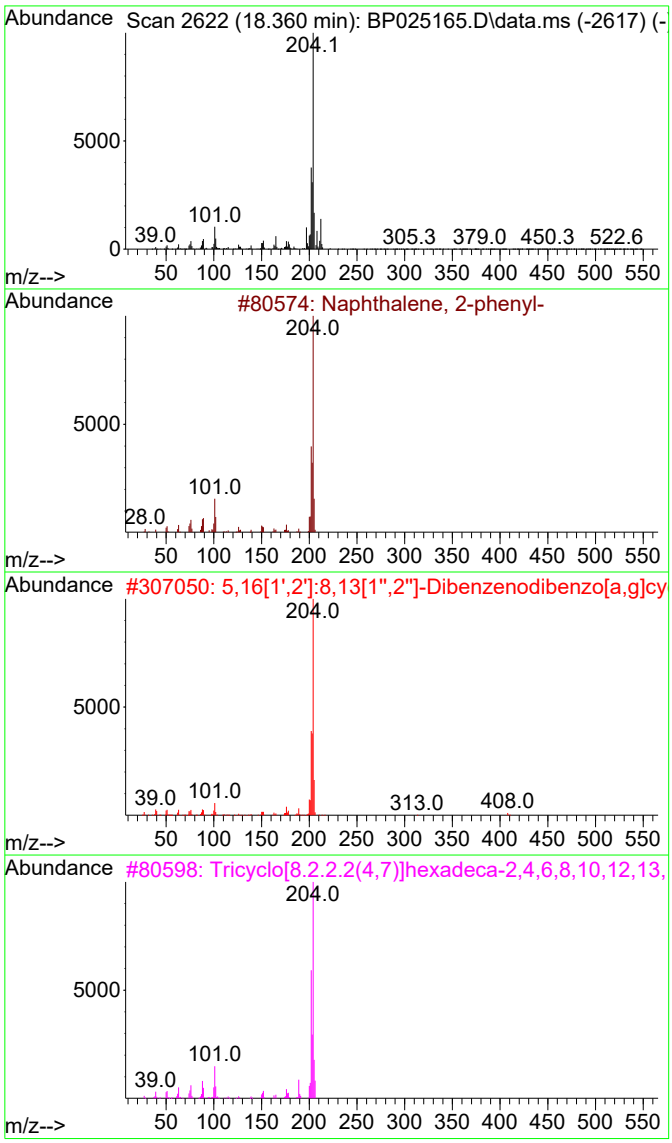
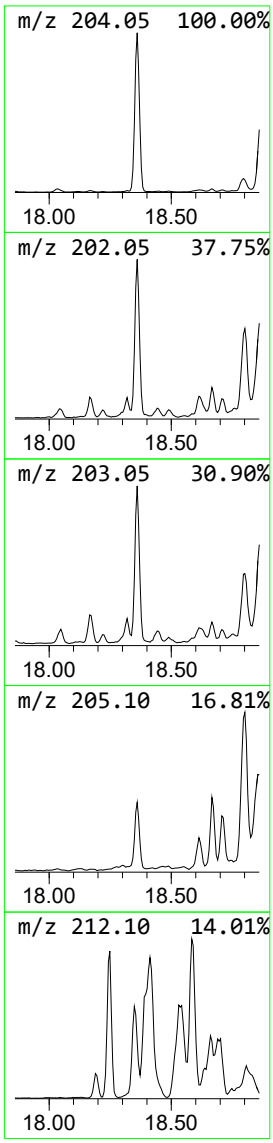
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.360	11.09 ng	4050190	Phenanthrene-d10	16.913

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	74
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	55
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53





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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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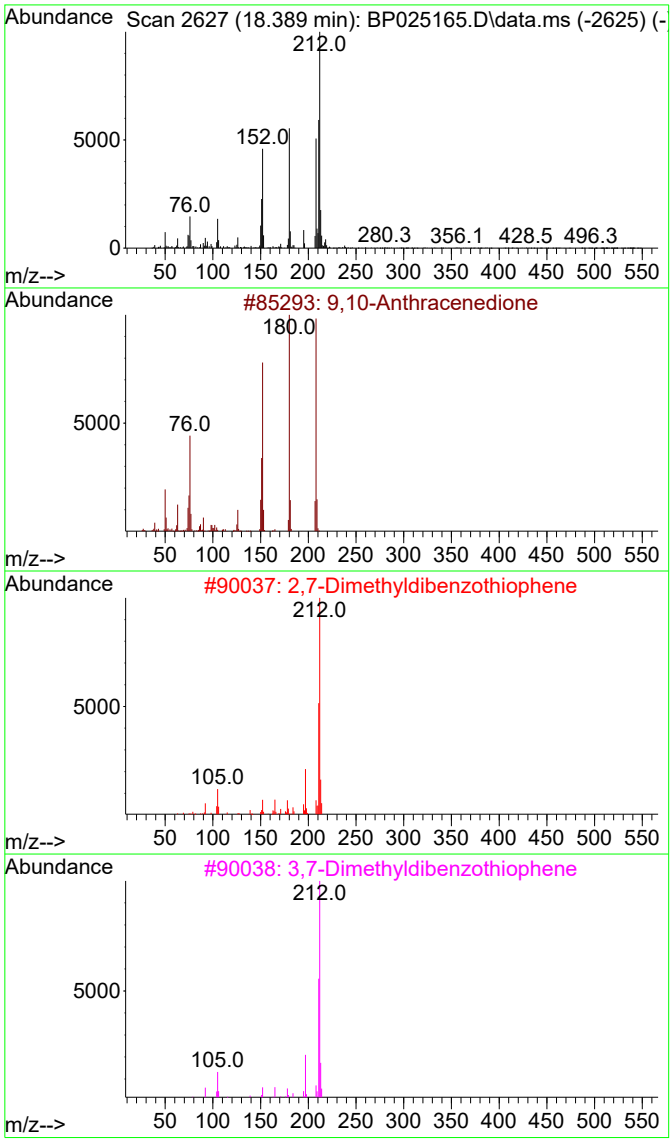
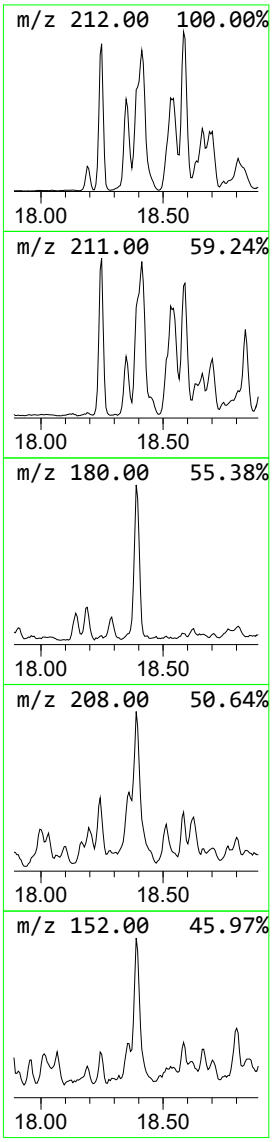
Peak Number 10 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.389	10.27 ng	3751810	Phenanthrene-d10	16.913

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	89
2	2,7-Dimethyldibenzothiophene	212	C14H12S	031317-19-8	50
3	3,7-Dimethyldibenzothiophene	212	C14H12S	001136-85-2	43
4	Dibenzothiophene, 4,6-dimethyl-	212	C14H12S	001207-12-1	43
5	1,7-Dimethyldibenzothiophene	212	C14H12S	089816-53-5	43





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Misc :
ALS Vial : 12 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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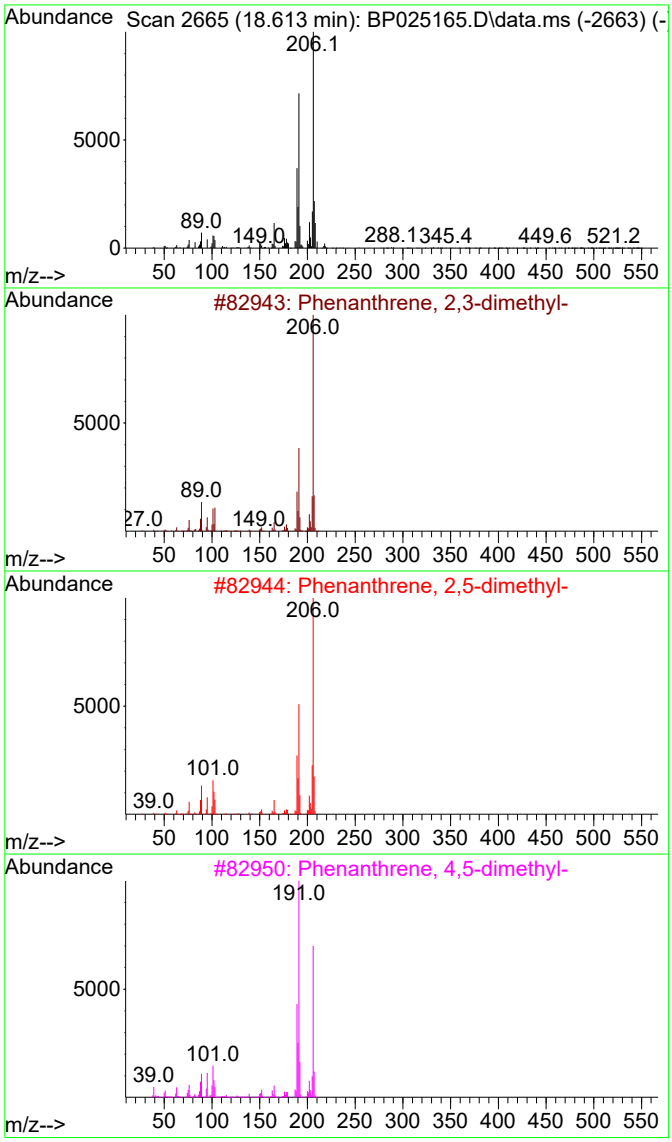
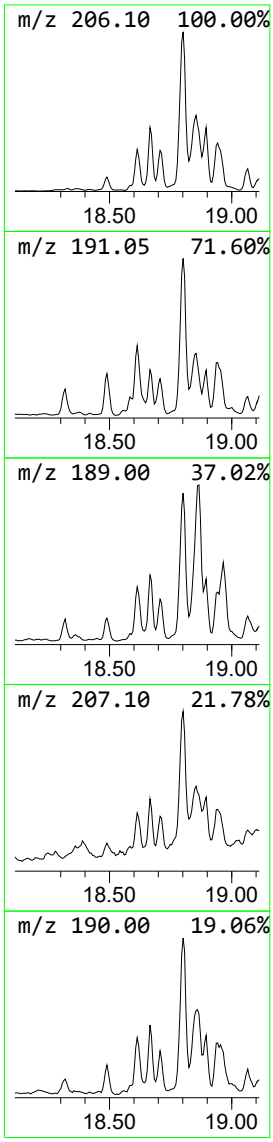
Peak Number 11 Phenanthrene, 2,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.613	5.52 ng	2018210	Phenanthrene-d10	16.913

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	81
4	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	72
5	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	72





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Sample : Q2598-01 2X
Misc :
ALS Vial : 12 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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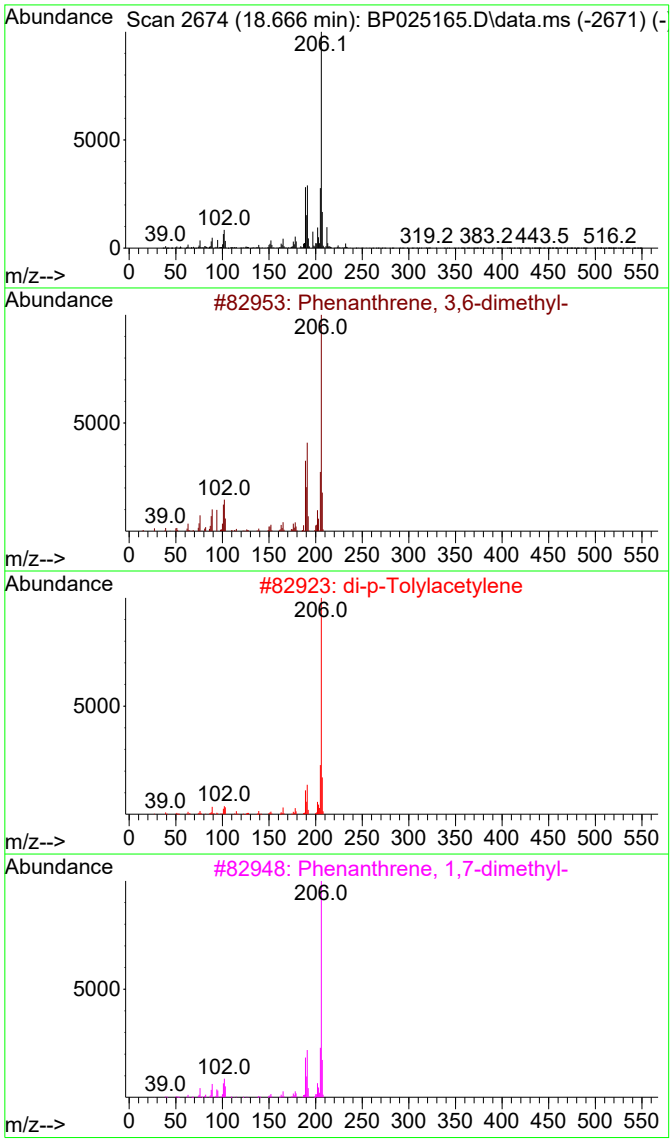
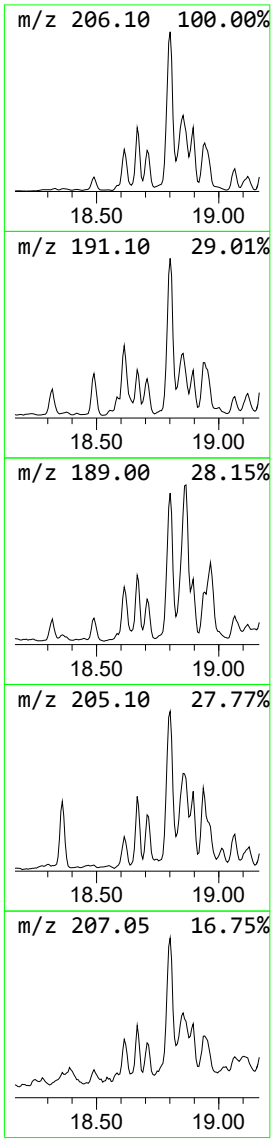
Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.666	7.13 ng	2605720	Phenanthrene-d10	16.913

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	76





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Sample : Q2598-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

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

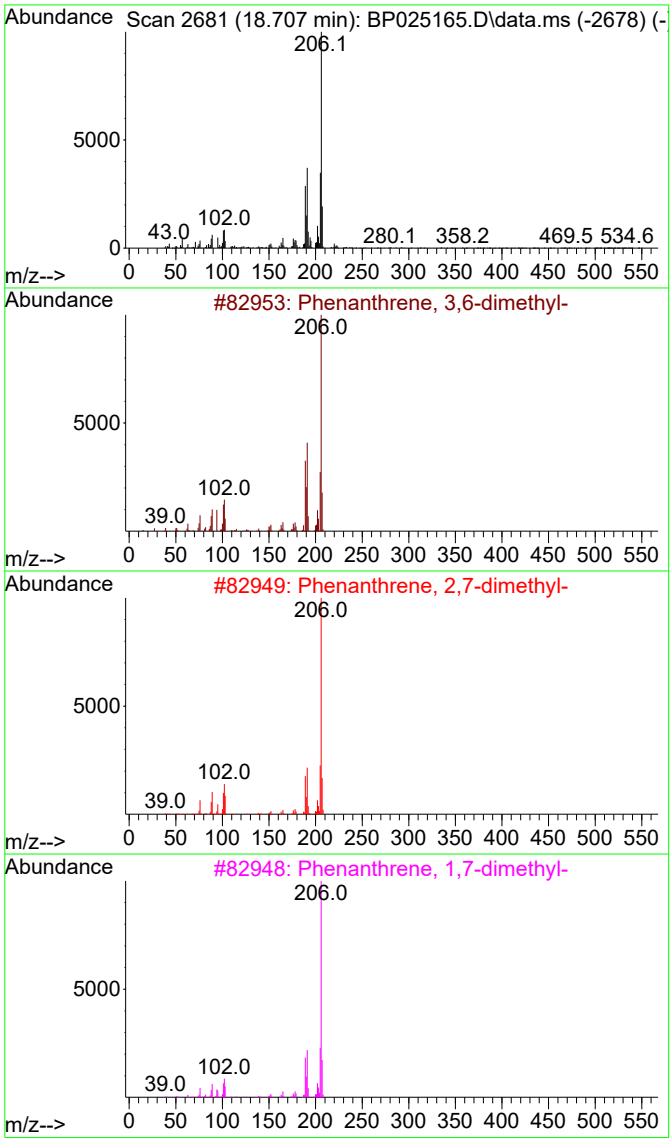
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

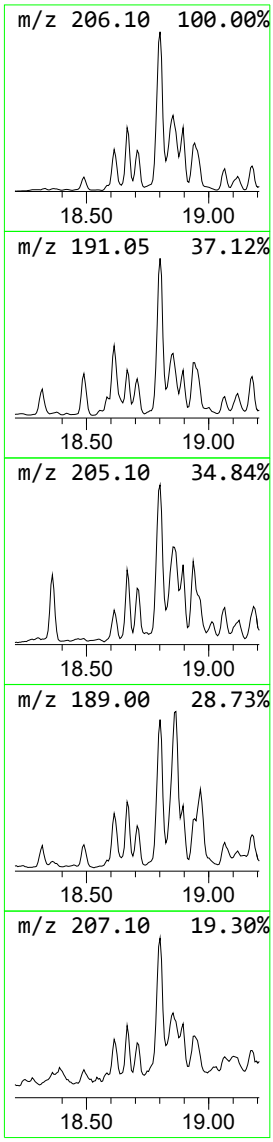
****

Peak Number 13 Phenanthrene, 2,7-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.707	5.15 ng	1882270	Phenanthrene-d10	16.913

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





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Misc :
ALS Vial : 12 Sample Multiplier: 1

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

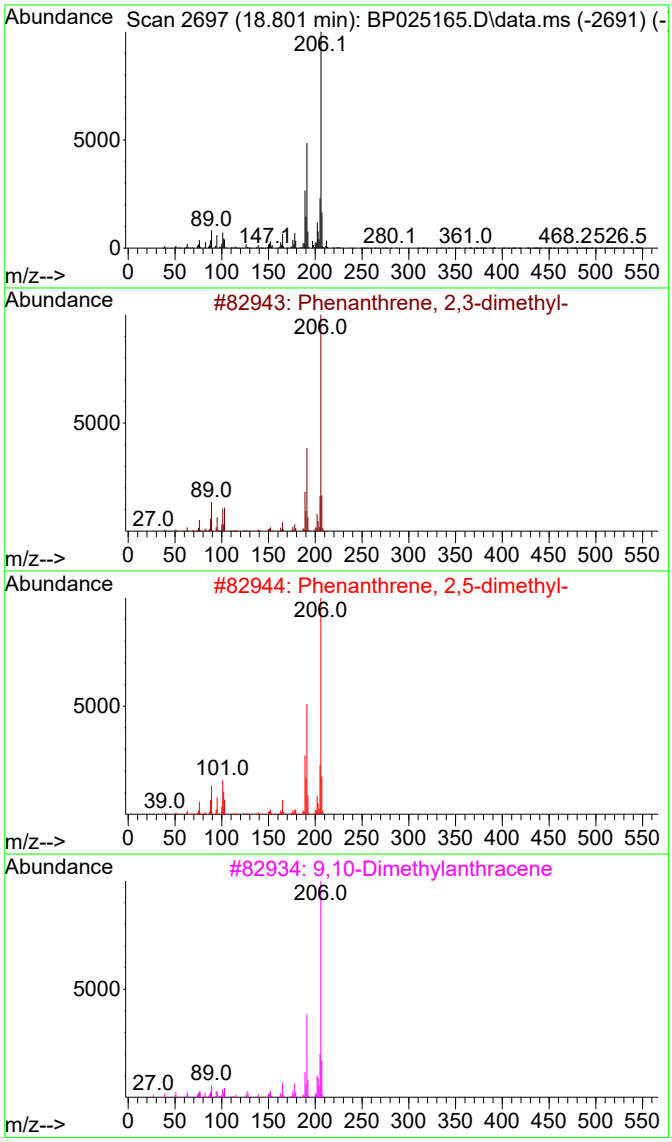
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

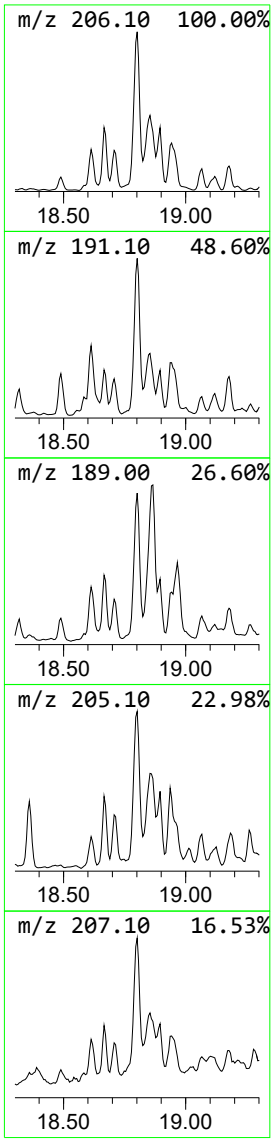
****

Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.801	20.75 ng	7582960	Phenanthrene-d10	16.913

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	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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ALS Vial : 12 Sample Multiplier: 1

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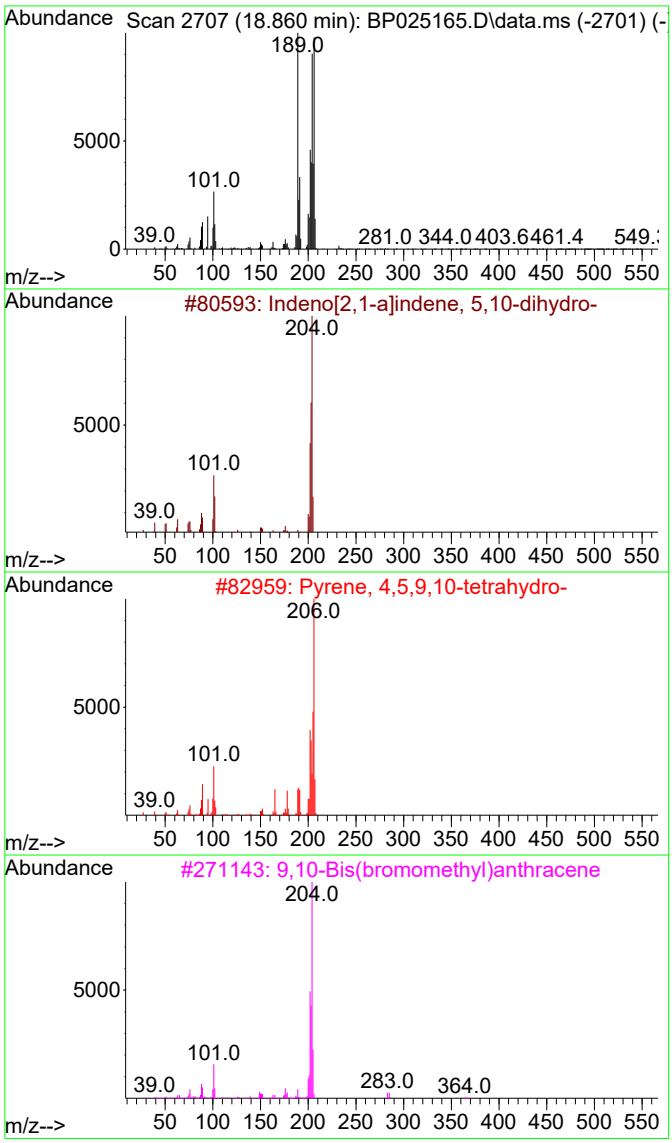
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

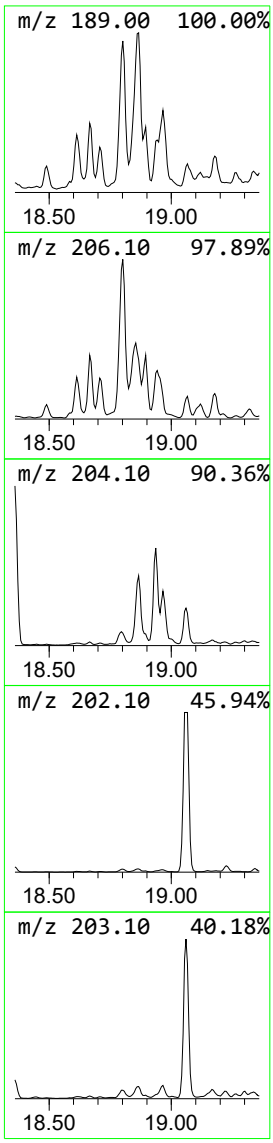
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Indeno[2,1-a]indene, 5,10-d... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.860	13.72 ng	5014320	Phenanthrene-d10	16.913

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	70
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35
5	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	35





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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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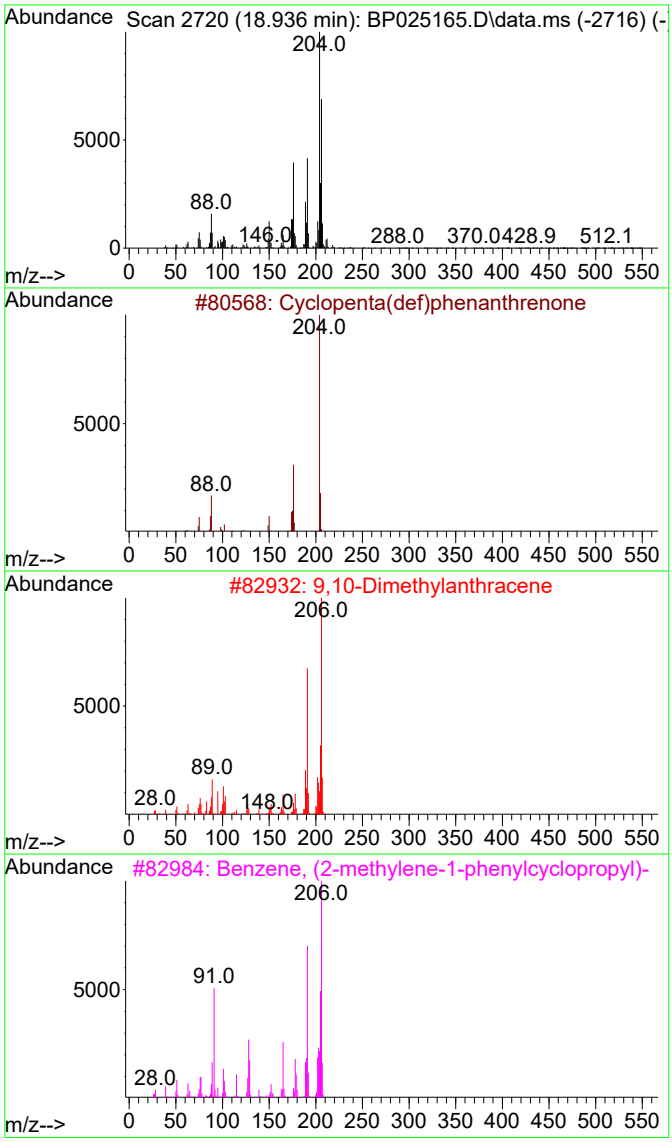
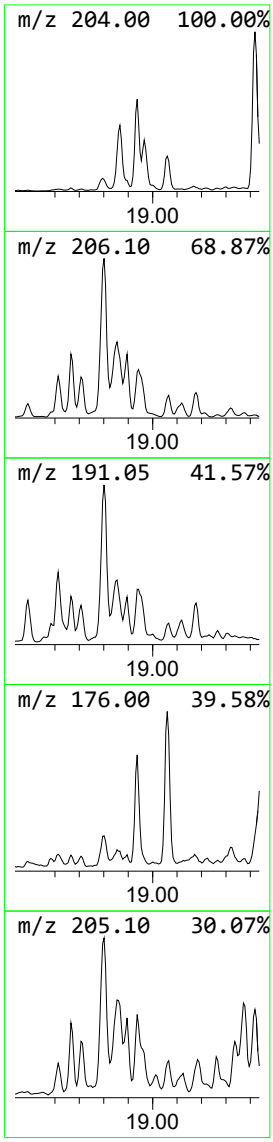
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.936	14.72 ng	5377440	Phenanthrene-d10	16.913

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	52
3	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	46
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	46
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071625\
Data File : BP025165.D
Acq On : 16 Jul 2025 19:40
Operator : CG/JU
Sample : Q2598-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-01-071425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.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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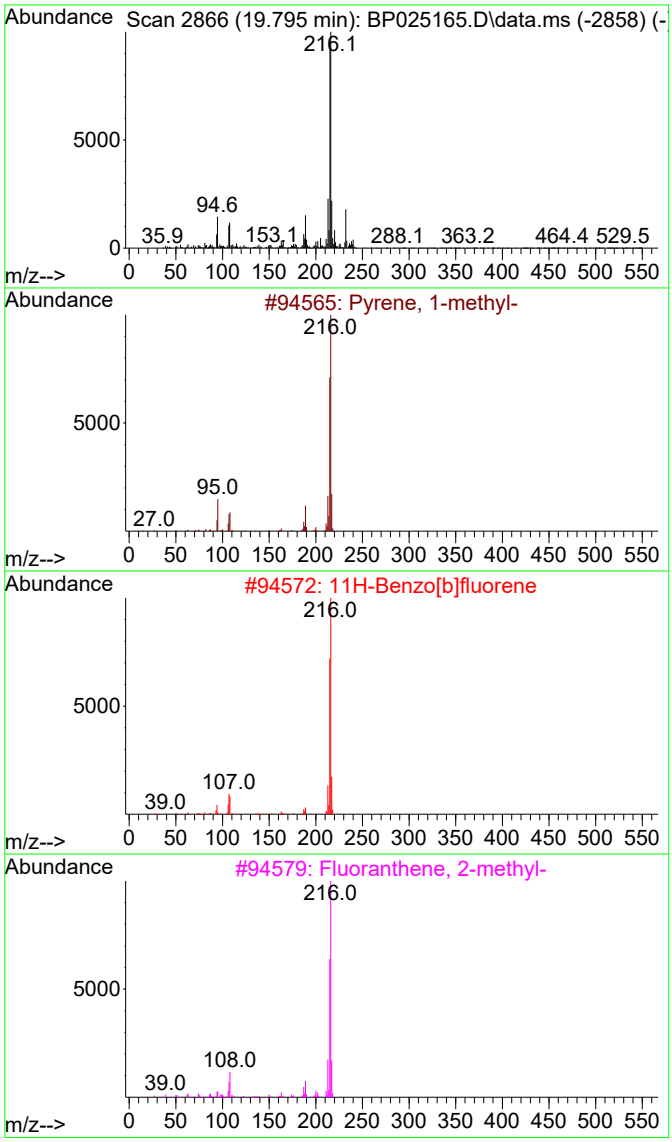
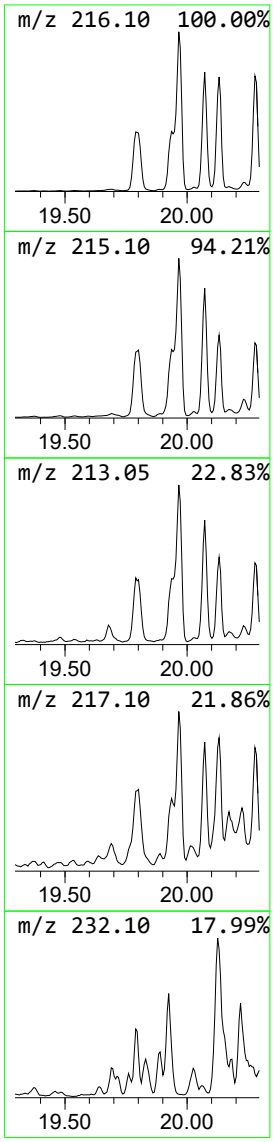
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.795	5.86 ng	8602580	Chrysene-d12	21.348

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64





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Data File : BP025165.D
Acq On : 16 Jul 2025 19:40
Operator : CG/JU
Sample : Q2598-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-01-071425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.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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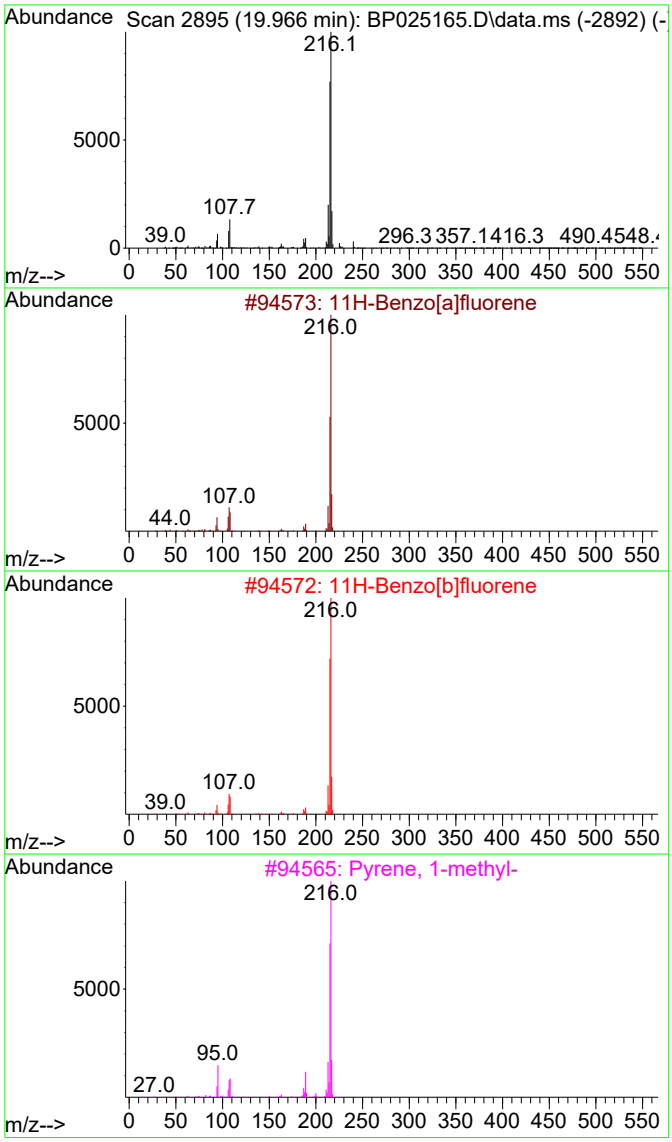
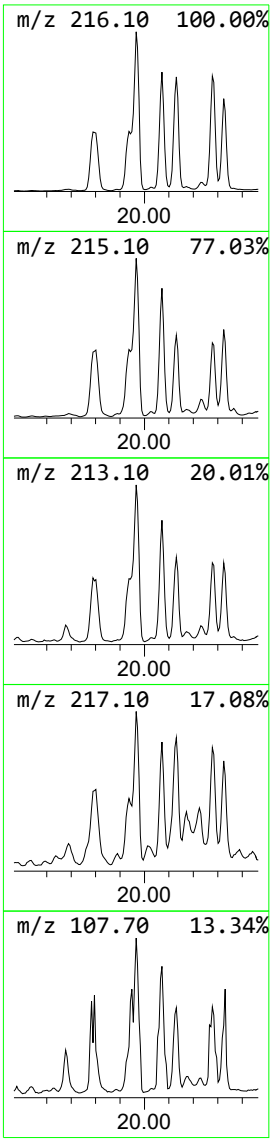
Peak Number 18 11H-Benzo[a]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.966	5.73 ng	8423000	Chrysene-d12	21.348

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	64





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Data File : BP025165.D
Acq On : 16 Jul 2025 19:40
Operator : CG/JU
Sample : Q2598-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-01-071425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.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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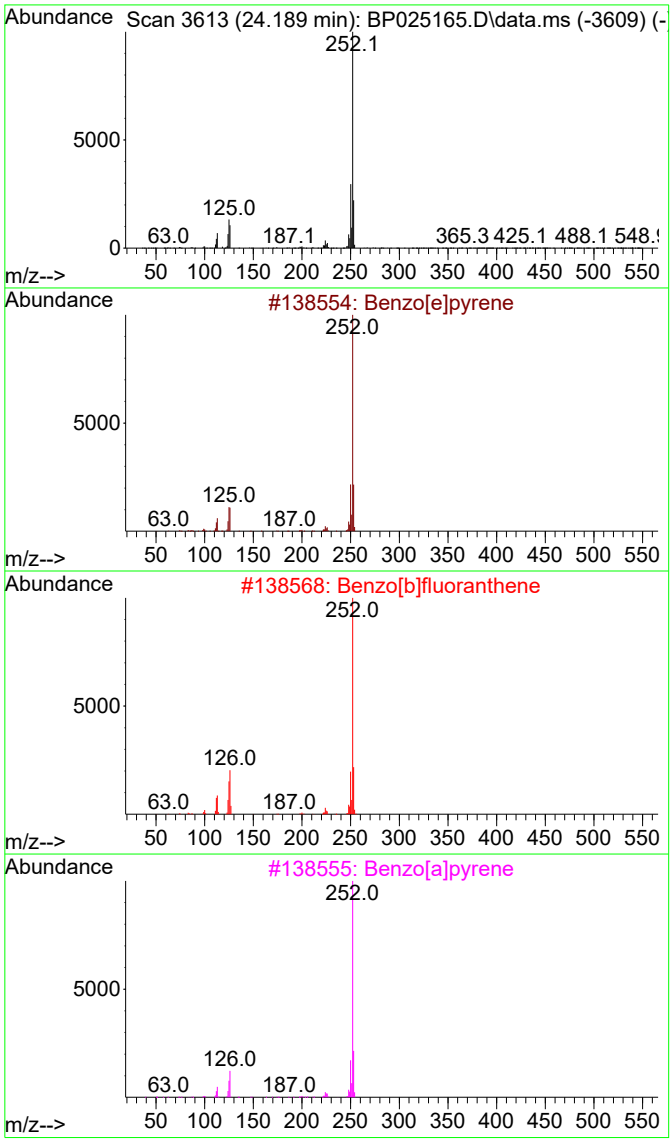
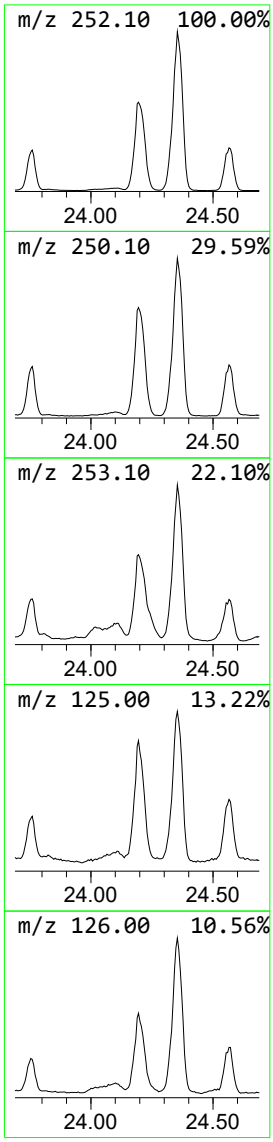
Peak Number 19 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.189	21.95 ng	10369700	Perylene-d12	24.507

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071625\
Data File : BP025165.D
Acq On : 16 Jul 2025 19:40
Operator : CG/JU
Sample : Q2598-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-01-071425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.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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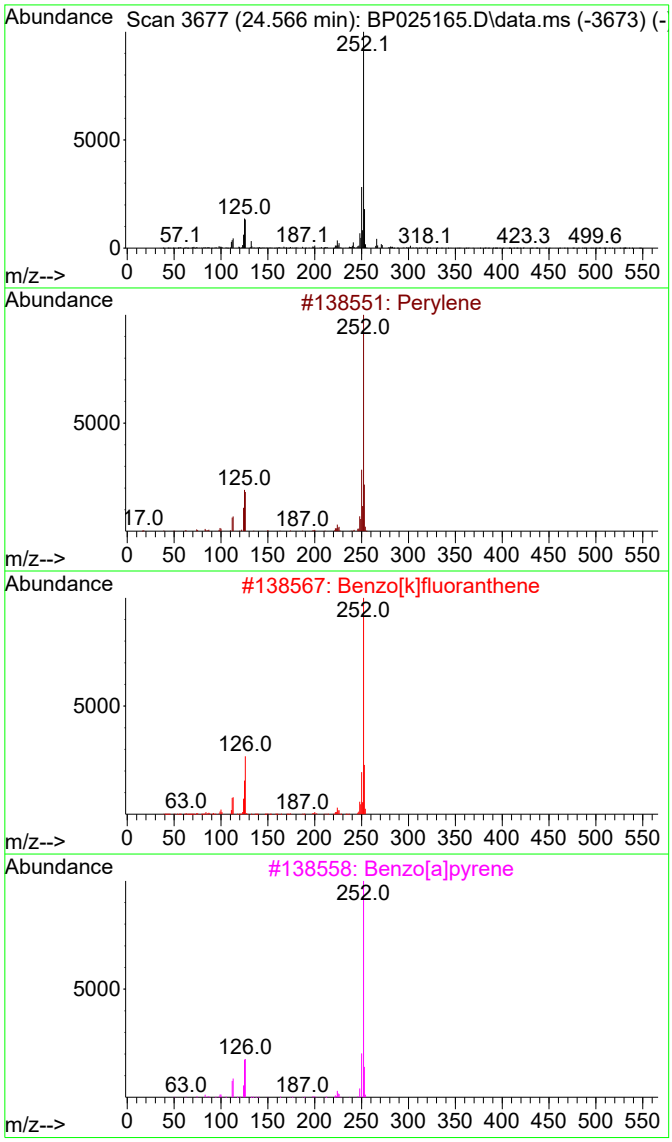
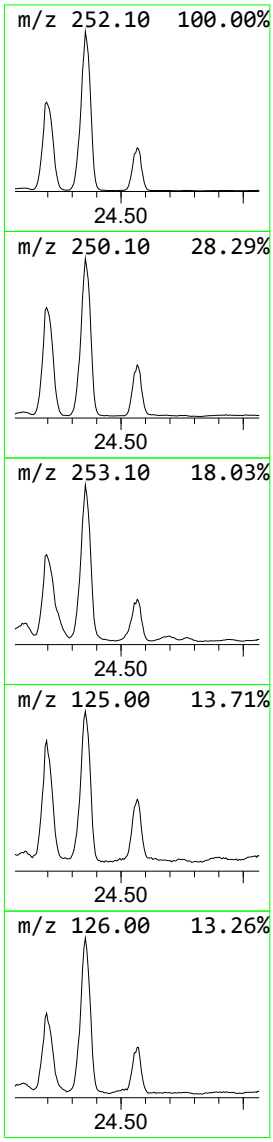
Peak Number 20 Perylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.566	10.87 ng	5136340	Perylene-d12	24.507

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	94
4	Benzo[e]pyrene	252	C20H12	000192-97-2	94
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071625\
Data File : BP025165.D
Acq On : 16 Jul 2025 19:40
Operator : CG/JU
Sample : Q2598-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-01-071425

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.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
Dibenzothiophene	16.743	5.6	ng	2040410	4	16.913	7307380	20.0
Dibenzothiophen...	17.525	8.5	ng	3099930	4	16.913	7307380	20.0
4-Methylnaphtho...	17.660	6.0	ng	2191930	4	16.913	7307380	20.0
Phenanthrene, 2...	17.837	16.9	ng	6168580	4	16.913	7307380	20.0
Phenanthrene, 3...	17.878	14.8	ng	5399540	4	16.913	7307380	20.0
1H-Cyclopropa[l...	17.954	9.5	ng	3487300	4	16.913	7307380	20.0
4H-Cyclopenta[d...	18.019	36.7	ng	13399100	4	16.913	7307380	20.0
Phenanthrene, 1...	18.066	13.3	ng	4871340	4	16.913	7307380	20.0
Naphthalene, 2-...	18.360	11.1	ng	4050190	4	16.913	7307380	20.0
9,10-Anthracene...	18.389	10.3	ng	3751810	4	16.913	7307380	20.0
Phenanthrene, 2...	18.613	5.5	ng	2018210	4	16.913	7307380	20.0
Phenanthrene, 3...	18.666	7.1	ng	2605720	4	16.913	7307380	20.0
Phenanthrene, 2...	18.707	5.2	ng	1882270	4	16.913	7307380	20.0
Phenanthrene, 2...	18.801	20.8	ng	7582960	4	16.913	7307380	20.0
Indeno[2,1-a]in...	18.860	13.7	ng	5014320	4	16.913	7307380	20.0
Cyclopenta(def)...	18.936	14.7	ng	5377440	4	16.913	7307380	20.0
Pyrene, 1-methyl-	19.795	5.9	ng	8602580	5	21.348	29385200	20.0
11H-Benzo[a]flu...	19.966	5.7	ng	8423000	5	21.348	29385200	20.0
Benzo[e]pyrene	24.189	21.9	ng	10369700	6	24.507	9446520	20.0
Perylene	24.566	10.9	ng	5136340	6	24.507	9446520	20.0