LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025375.D
Acq On : 12 Aug 2025 20:46
Operator : CG/JU
Sample : Q2823-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SU-04-081125

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-BP080525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025375.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.967	3	5	14	rVB2	106981	201535	2.54%	0.201%
2	3.049	14	19	35	rVB	434977	784037	9.87%	0.783%
3	4.955	338	343	353	rVB	102523	150650	1.90%	0.150%
4	5.419	415	422	432	rBV	996213	1548155	19.49%	1.546%
5	6.978	679	687	696	rBV	982089	1598546	20.13%	1.596%
6	7.802	820	827	836	rVB	807779	1264483	15.92%	1.263%
7	8.943	1005	1021	1028	rBV	691744	1162000	14.63%	1.160%
8	10.578	1288	1299	1304	rBV	1033159	1794709	22.60%	1.792%
9	10.625	1304	1307	1316	rVB	134600	205987	2.59%	0.206%
10	11.613	1470	1475	1479	rBV3	49461	83513	1.05%	0.083%
11	12.237	1573	1581	1587	rVB	232723	386300	4.86%	0.386%
12	12.454	1609	1618	1623	rBV	281115	474464	5.97%	0.474%
13	12.966	1701	1705	1710	rVB	81221	105114	1.32%	0.105%
14	13.037	1710	1717	1724	rBV	1720351	2677437	33.71%	2.674%
15	13.254	1749	1754	1760	rVB	59749	89903	1.13%	0.090%
16	13.590	1804	1811	1813	rBV2	215837	397014	5.00%	0.396%
17	13.743	1827	1837	1842	rBV	354601	701723	8.84%	0.701%
18	13.795	1842	1846	1853	rVV	225461	335321	4.22%	0.335%
19	13.878	1853	1860	1864	rVV3	82399	178798	2.25%	0.179%
20	13.925	1864	1868	1872	rVV3	81976	143307	1.80%	0.143%
21	13.978	1873	1877	1881	rVV	198566	320913	4.04%	0.320%
22	14.013	1881	1883	1891	rVB	96800	108549	1.37%	0.108%
23	14.148	1899	1906	1914	rBV	519651	893761	11.25%	0.892%
24	14.425	1944	1953	1959	rBV	1476235	2368693	29.82%	2.365%
25	14.495	1959	1965	1974	rVV	316628	537419	6.77%	0.537%
26	14.566	1974	1977	1985	rVB6	47337	86040	1.08%	0.086%
27	14.648	1985	1991	2000	rBV2	119375	301514	3.80%	0.301%
28	14.725	2001	2004	2011	rVB5	41165	82844	1.04%	0.083%
29	14.831	2016	2022	2031	rVB2	361663	705878	8.89%	0.705%
30	14.919	2031	2037	2041	rBV	195594	294335	3.71%	0.294%
31	15.054	2053	2060	2065	rBV3	180234	369149	4.65%	0.369%
32	15.107	2065	2069	2074	rVB	137555	219656	2.77%	0.219%
33	15.237	2083	2091	2093	rBV3	108951	250755	3.16%	0.250%
34	15.266	2094	2096	2100	rVB2	87076	103075	1.30%	0.103%
35	15.313	2101	2104	2109	rBV	100184	118308	1.49%	0.118%
36	15.401	2112	2119	2122	rBV4	68299	160224	2.02%	0.160%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025375.D
Acq On : 12 Aug 2025 20:46
Operator : CG/JU
Sample : Q2823-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SU-04-081125

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-BP080525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	15.490	2128	2134	2147	rVB	832638	1392837	17.54%	1.391%
38	15.595	2147	2152	2153	rBV3	55410	81610	1.03%	0.081%
39	15.619	2153	2156	2160	rVV	161815	238295	3.00%	0.238%
40	15.660	2160	2163	2168	rVV3	109546	184825	2.33%	0.185%
41	15.719	2168	2173	2180	rVV6	170568	408228	5.14%	0.408%
42	15.795	2180	2186	2197	rVB3	291387	661503	8.33%	0.661%
43	15.937	2203	2210	2220	rVB2	1339034	2258314	28.43%	2.255%
44	16.031	2220	2226	2230	rBV4	70127	156246	1.97%	0.156%
45	16.184	2247	2252	2255	rBV5	131529	236642	2.98%	0.236%
46	16.219	2255	2258	2263	rVB	165339	229414	2.89%	0.229%
47	16.331	2272	2277	2280	rBV	88508	138819	1.75%	0.139%
48	16.513	2302	2308	2313	rVV	250237	468386	5.90%	0.468%
49	16.566	2313	2317	2323	rVB3	194872	315861	3.98%	0.315%
50	16.678	2331	2336	2341	rVB2	192577	298084	3.75%	0.298%
51	16.960	2380	2384	2389	rBV2	81825	149478	1.88%	0.149%
52	17.048	2395	2399	2409	rVB2	361248	720696	9.07%	0.720%
53	17.231	2424	2430	2433	rBV	1504343	2462712	31.01%	2.459%
54	17.278	2433	2438	2444	rVB	3703585	5726562	72.10%	5.718%
55	17.372	2449	2454	2459	rVB	1120815	1565460	19.71%	1.563%
56	17.436	2461	2465	2470	rVV3	131377	290271	3.65%	0.290%
57	17.513	2476	2478	2483	rVB3	69714	88988	1.12%	0.089%
58	17.642	2496	2500	2506	rBV	180342	262277	3.30%	0.262%
59	17.778	2519	2523	2526	rBV2	132335	163075	2.05%	0.163%
60	17.831	2528	2532	2538	rVV	287799	394098	4.96%	0.394%
61	17.978	2553	2557	2565	rVB	214658	418610	5.27%	0.418%
62	18.136	2579	2584	2588	rBV	872458	1425750	17.95%	1.424%
63	18.183	2588	2592	2599	rVV	1376867	2314962	29.15%	2.312%
64	18.266	2602	2606	2611	rVV	454025	706919	8.90%	0.706%
65	18.336	2612	2618	2622	rVV2	1412324	2734838	34.43%	2.731%
66	18.378	2622	2625	2633	rVB	698161	984006	12.39%	0.983%
67	18.489	2642	2644	2648	rVB2	86481	95041	1.20%	0.095%
68	18.548	2651	2654	2658	rVB2	151503	184298	2.32%	0.184%
69	18.654	2668	2672	2676	rBV2	402459	546484	6.88%	0.546%
70	18.883	2707	2711	2713	rBV2	148533	239709	3.02%	0.239%
71	18.919	2714	2717	2721	rVV2	274812	416905	5.25%	0.416%
72	18.966	2722	2725	2728	rVV	332670	501849	6.32%	0.501%
73	19.001	2729	2731	2735	rVB2	276023	305157	3.84%	0.305%
74	19.083	2740	2745	2750	rBV	695796	1160748	14.62%	1.159%
75	19.148	2750	2756	2765	rVB3	433391	1153880	14.53%	1.152%
76	19.248	2765	2773	2778	rBV4	285077	766708	9.65%	0.766%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
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Acq On : 12 Aug 2025 20:46
Operator : CG/JU
Sample : Q2823-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SU-04-081125

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-BP080525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	19.354	2786	2791	2797	rBV	4278624	6521644	82.11%	6.512%
78	19.507	2814	2817	2823	rVB	326997	500102	6.30%	0.499%
79	19.607	2831	2834	2839	rBV3	172867	308442	3.88%	0.308%
80	19.736	2847	2856	2864	rVB	4390823	7942097	100.00%	7.931%
81	19.807	2865	2868	2869	rBV	167155	187715	2.36%	0.187%
82	19.948	2884	2892	2897	rBV	3013287	3970066	49.99%	3.964%
83	20.072	2908	2913	2924	rVB4	605306	1484625	18.69%	1.482%
84	20.219	2934	2938	2939	rBV3	278434	356241	4.49%	0.356%
85	20.248	2940	2943	2948	rVB2	904159	1457298	18.35%	1.455%
86	20.360	2958	2962	2966	rVB	1115403	1208264	15.21%	1.207%
87	20.419	2969	2972	2975	rVB	685149	732941	9.23%	0.732%
88	20.607	3001	3004	3009	rBV	380130	508441	6.40%	0.508%
89	21.666	3177	3184	3191	rBV2	2634949	6698866	84.35%	6.689%
90	21.730	3191	3195	3205	rVB	1676924	3265054	41.11%	3.260%
91	23.136	3429	3434	3445	rVB7	691926	1816738	22.87%	1.814%
92	24.001	3575	3581	3587	rBV	913026	2466691	31.06%	2.463%
93	24.760	3705	3710	3720	rVB	728935	1660010	20.90%	1.658%
94	24.901	3728	3734	3742	rVB	1078403	2526988	31.82%	2.523%
95	25.065	3758	3762	3770	rVB	989682	2478878	31.21%	2.475%

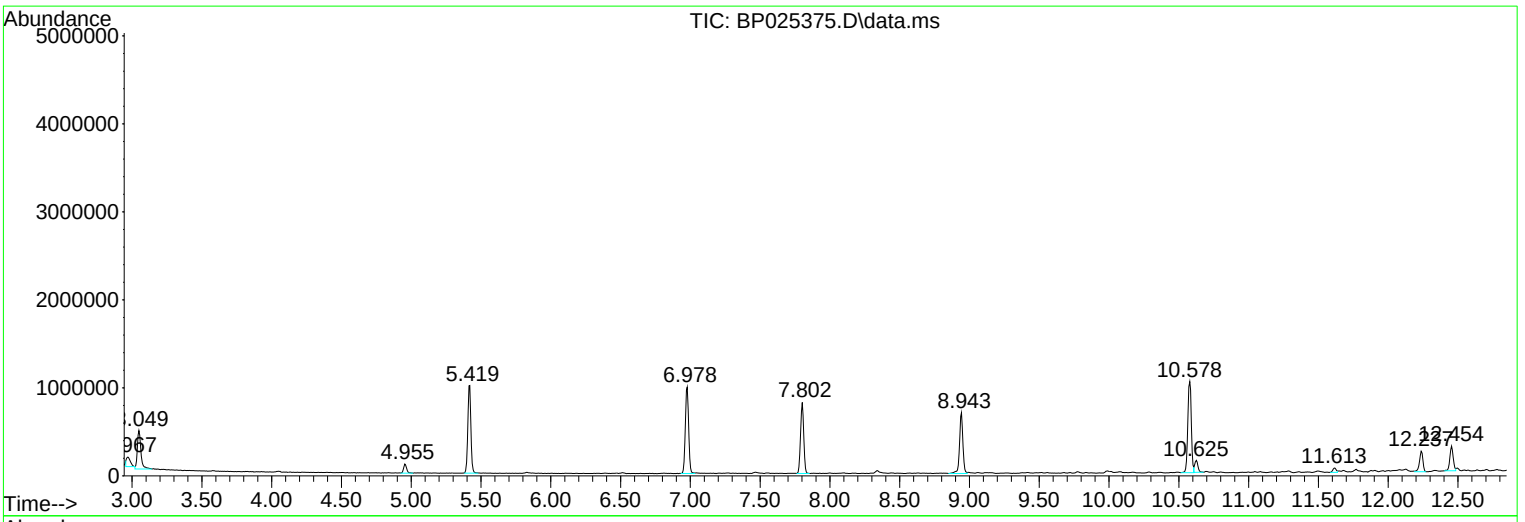
Sum of corrected areas: 100143755

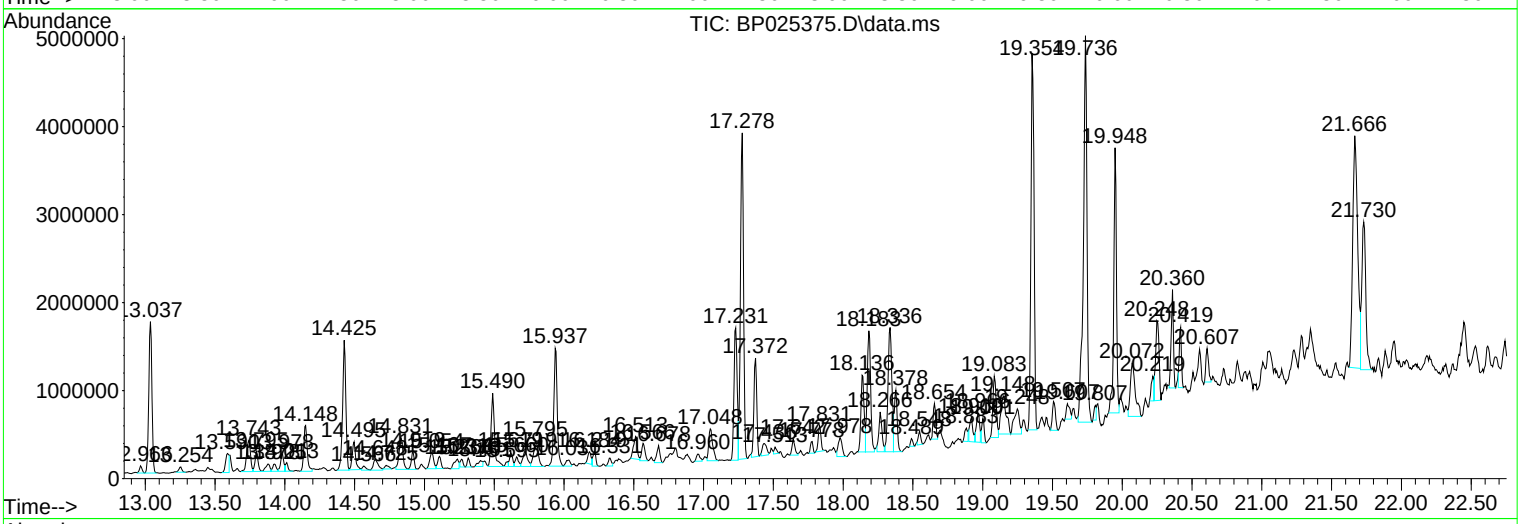
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025375.D
Acq On : 12 Aug 2025 20:46
Operator : CG/JU
Sample : Q2823-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

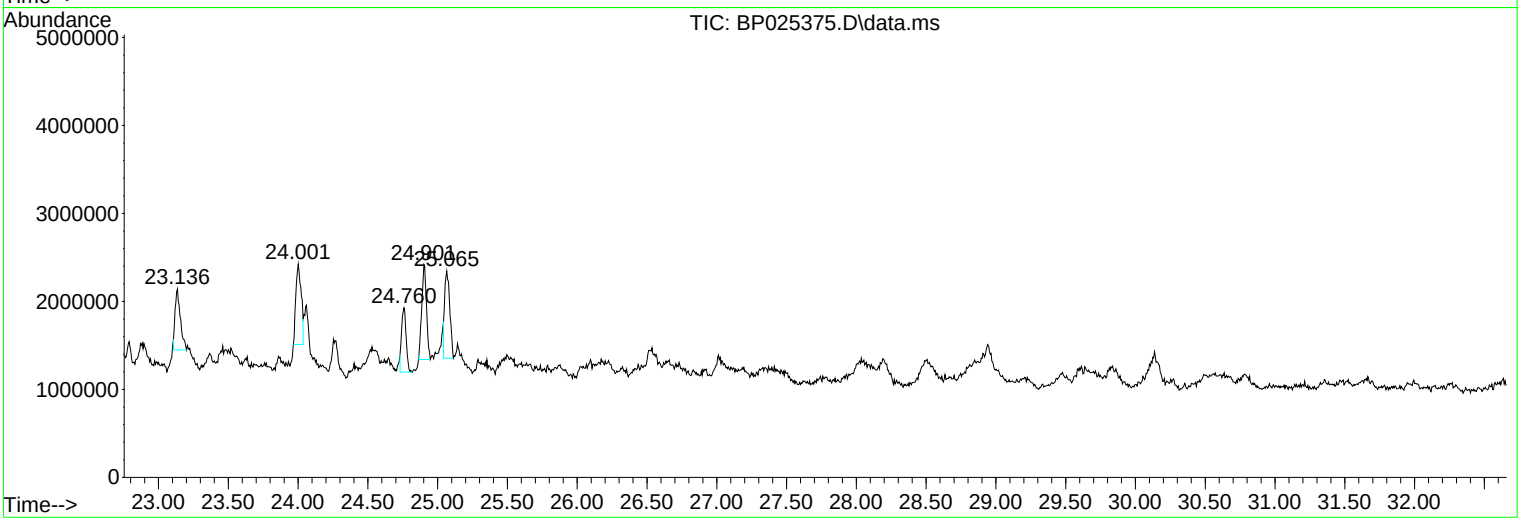
Instrument :
BNA_P
ClientSampleId :
SU-04-081125

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.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\BP081225\
Data File : BP025375.D
Acq On : 12 Aug 2025 20:46
Operator : CG/JU
Sample : Q2823-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SU-04-081125

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

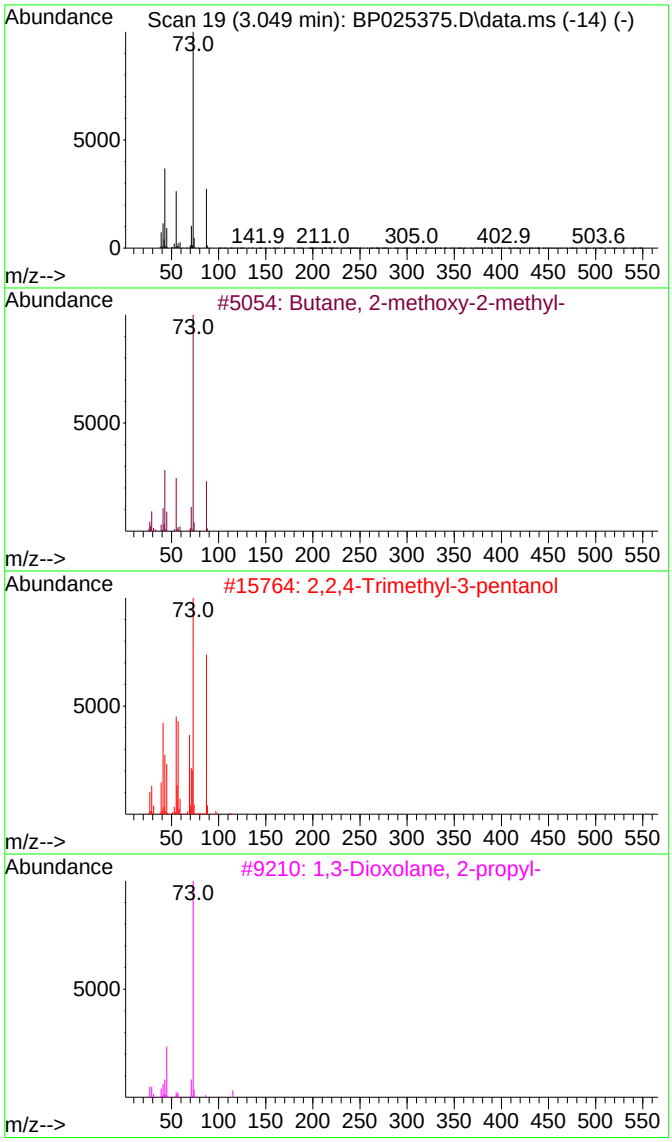
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

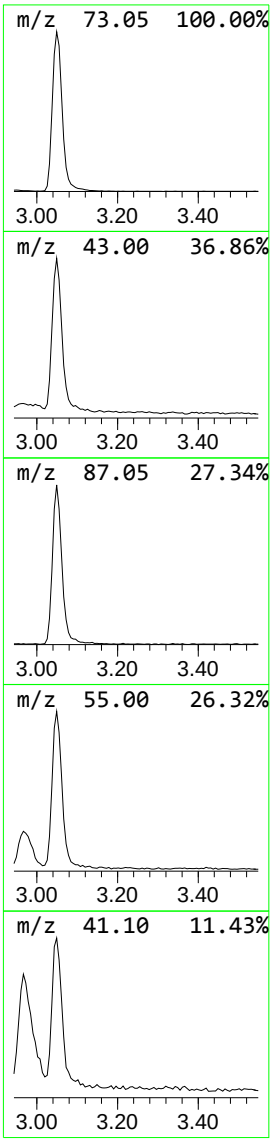
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.049	12.40 ng	784037	1,4-Dichlorobenzene-d4	7.802

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	1,3-Dioxolane, 2-propyl-	116	C6H12O2	003390-13-4	23
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025375.D
Acq On : 12 Aug 2025 20:46
Operator : CG/JU
Sample : Q2823-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SU-04-081125

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

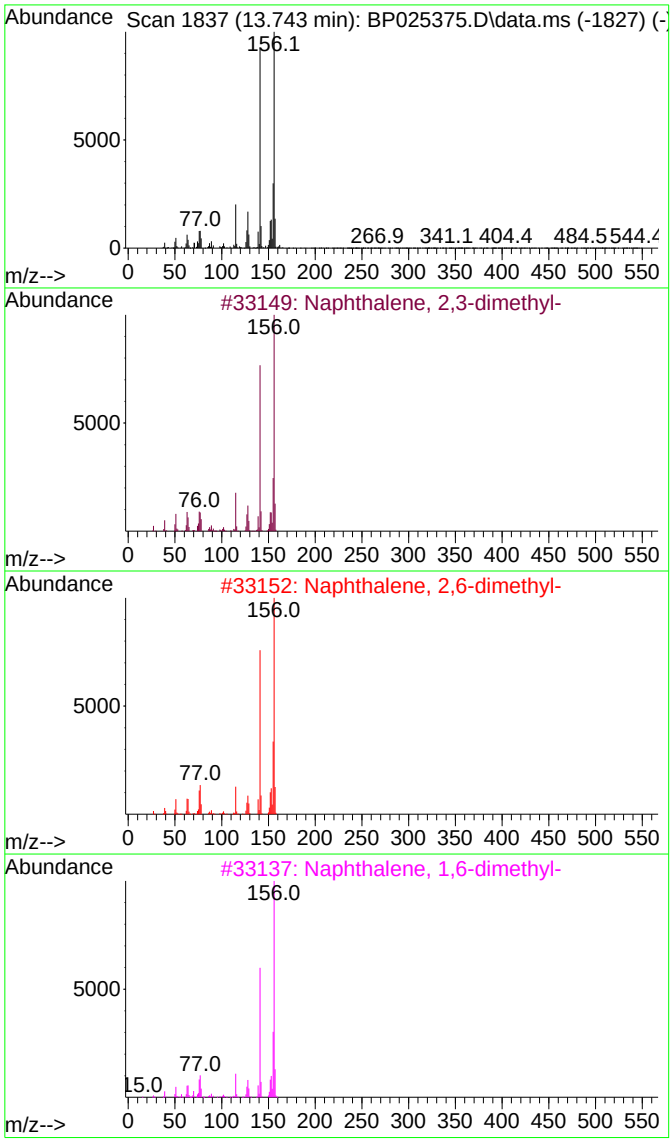
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

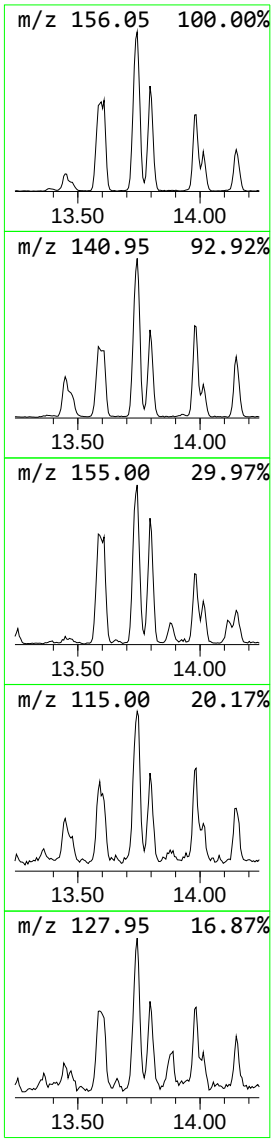
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.743	5.92 ng	701723	Acenaphthene-d10	14.425

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025375.D
Acq On : 12 Aug 2025 20:46
Operator : CG/JU
Sample : Q2823-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SU-04-081125

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

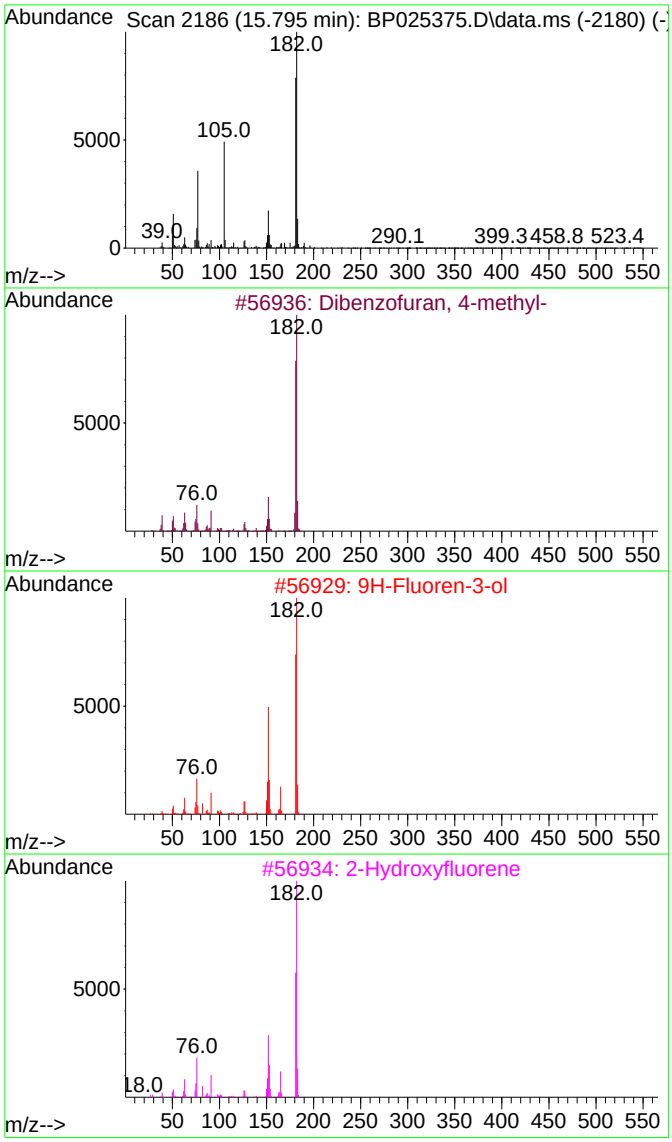
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

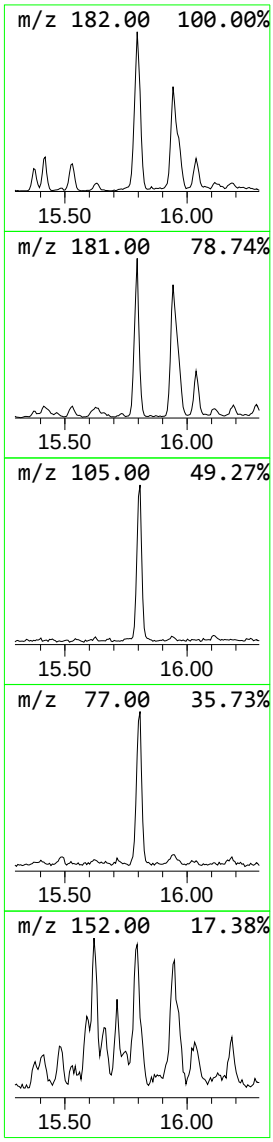
****

Peak Number 3 Dibenzofuran, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.795	5.59 ng	661503	Acenaphthene-d10	14.425

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	93
2	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	83
3	2-Hydroxyfluorene	182	C13H10O	002443-58-5	80
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	74
5	3,5-Dimethoxy-4-(ethyl)oxybenzal...	210	C11H14O4	1000395-80-8	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025375.D
Acq On : 12 Aug 2025 20:46
Operator : CG/JU
Sample : Q2823-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SU-04-081125

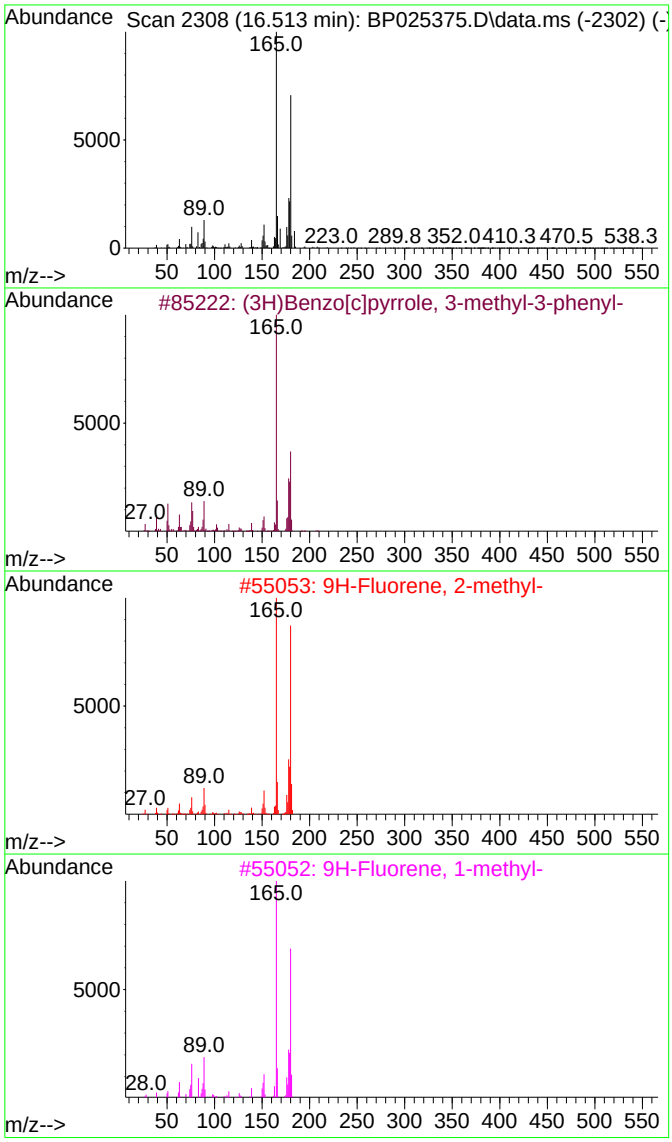
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

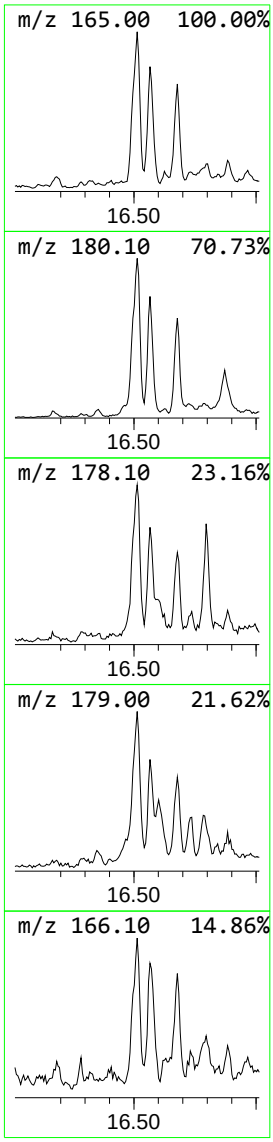
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (3H)Benzo[c]pyrrole, 3-meth... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.513	3.80 ng	468386	Phenanthrene-d10	17.231

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	93
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	89
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025375.D
Acq On : 12 Aug 2025 20:46
Operator : CG/JU
Sample : Q2823-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SU-04-081125

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

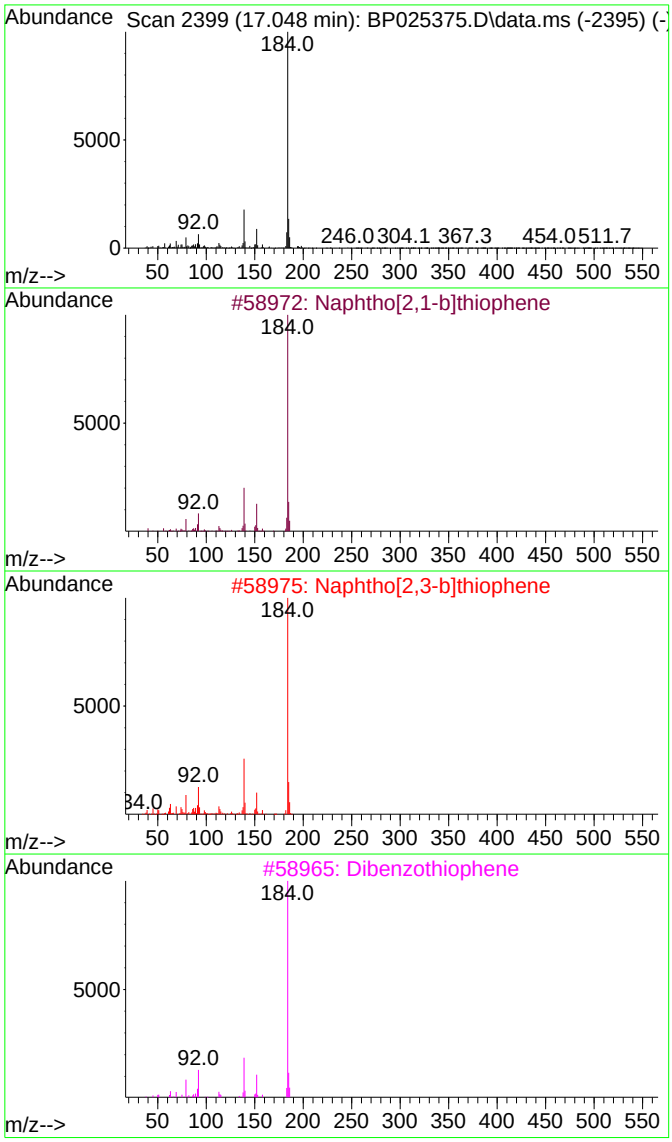
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

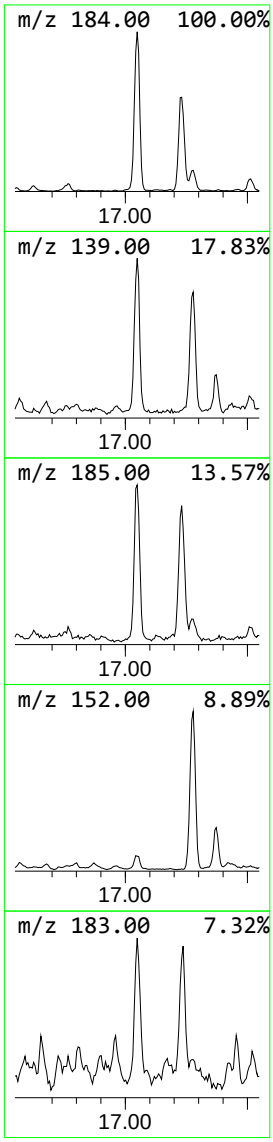
****

Peak Number 5 Naphtho[2,1-b]thiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.048	5.85 ng	720696	Phenanthrene-d10	17.231

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





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Acq On : 12 Aug 2025 20:46
Operator : CG/JU
Sample : Q2823-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SU-04-081125

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.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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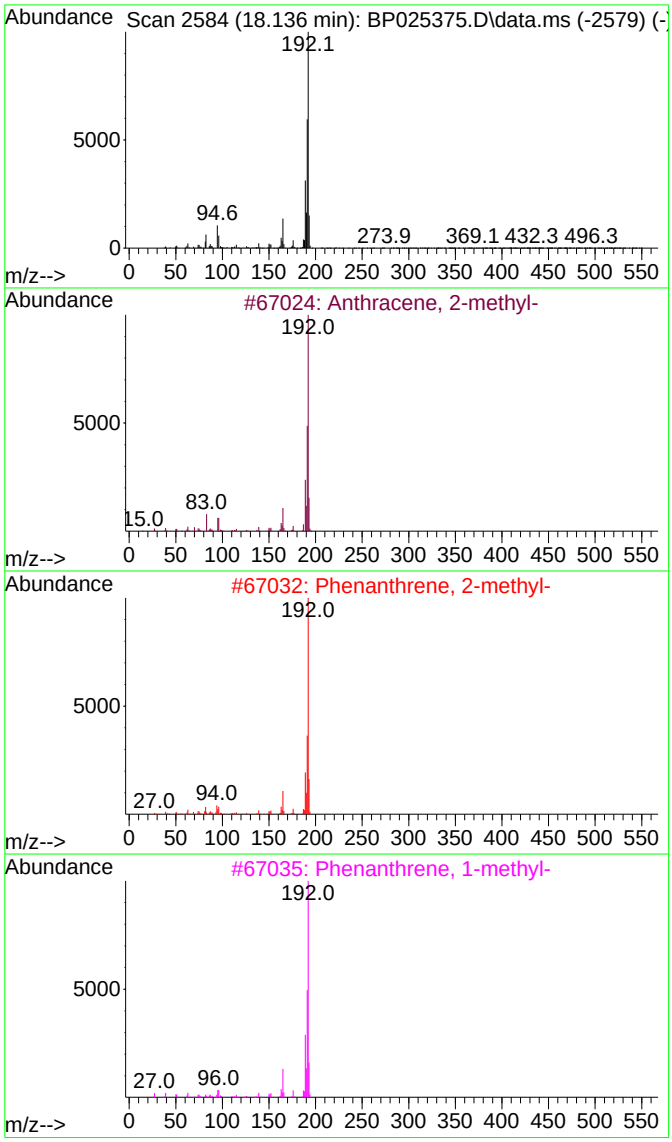
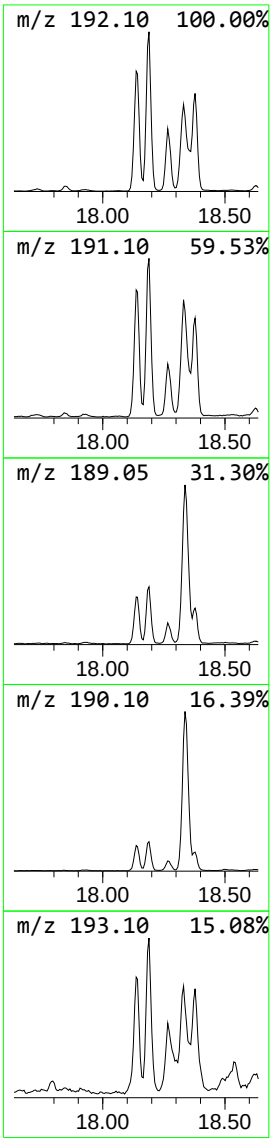
Peak Number 6 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.136	11.58 ng	1425750	Phenanthrene-d10	17.231

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





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Acq On : 12 Aug 2025 20:46
Operator : CG/JU
Sample : Q2823-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SU-04-081125

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.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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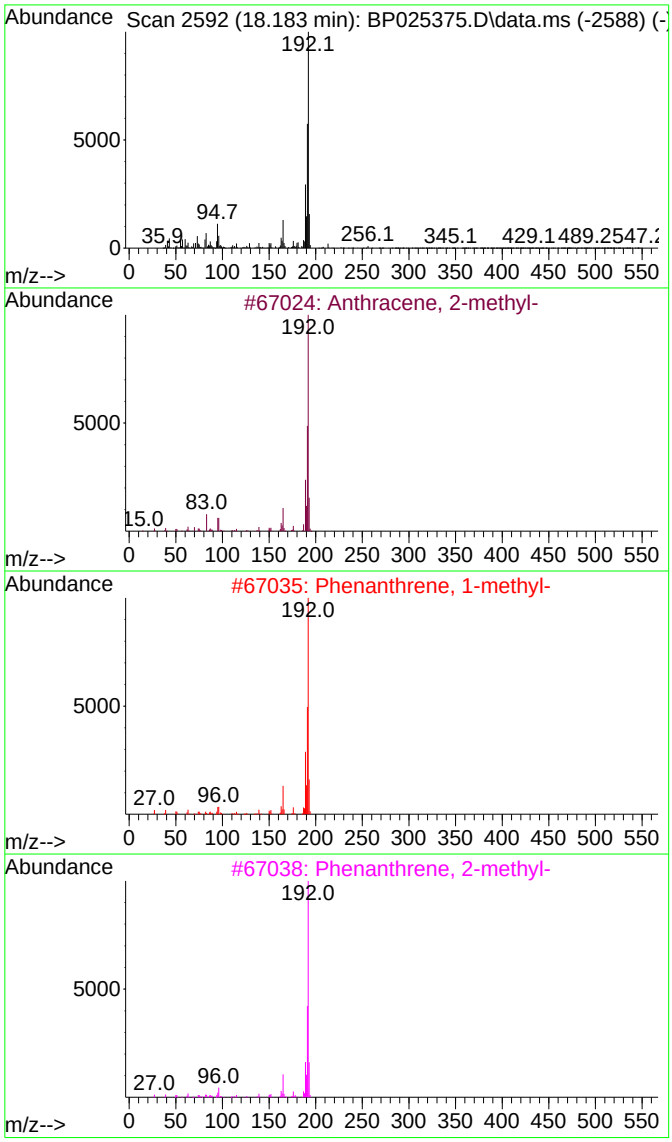
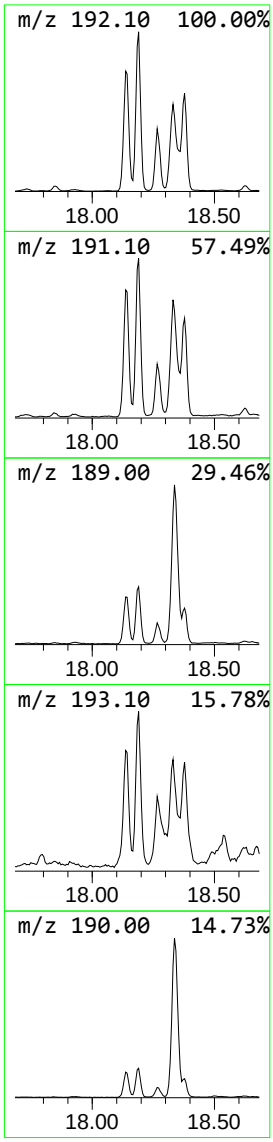
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.183	18.80 ng	2314960	Phenanthrene-d10	17.231

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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Acq On : 12 Aug 2025 20:46
Operator : CG/JU
Sample : Q2823-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SU-04-081125

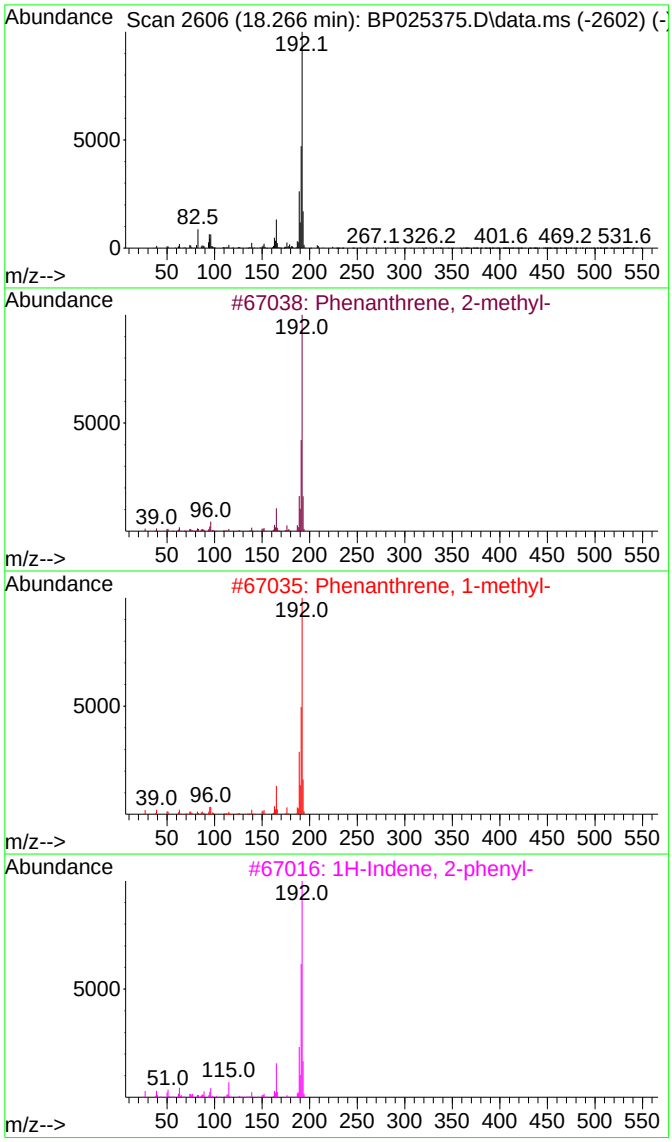
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

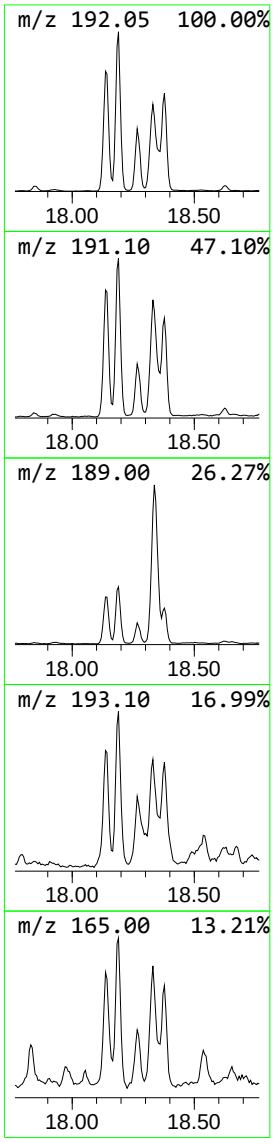
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.266	5.74 ng	706919	Phenanthrene-d10	17.231

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	95
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





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Data File : BP025375.D
Acq On : 12 Aug 2025 20:46
Operator : CG/JU
Sample : Q2823-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SU-04-081125

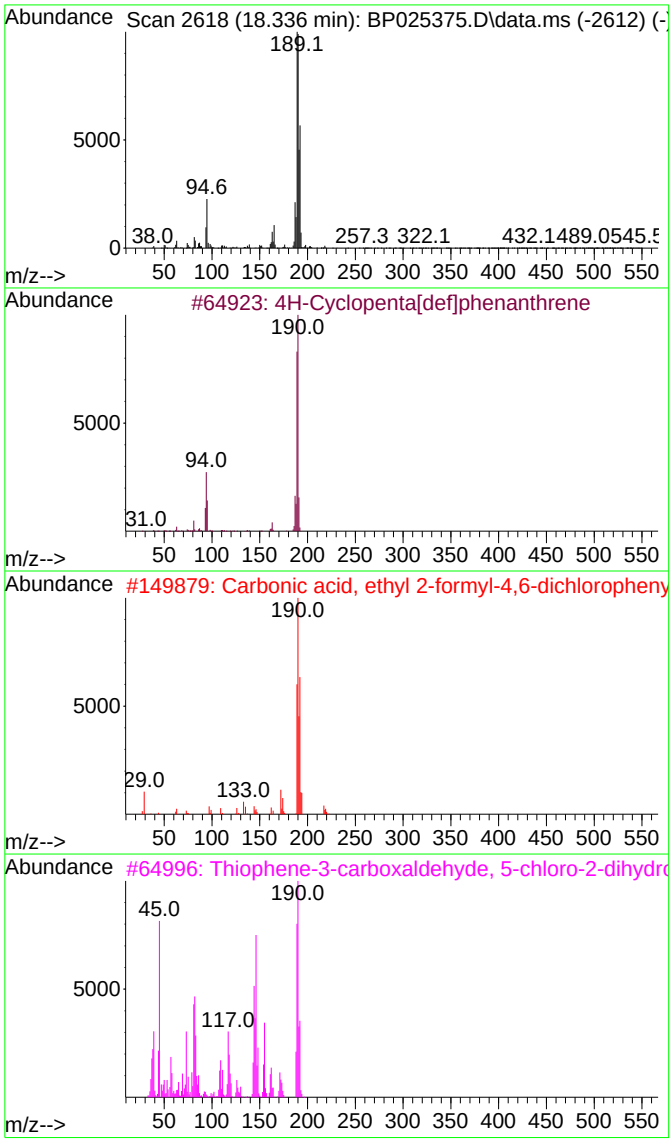
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

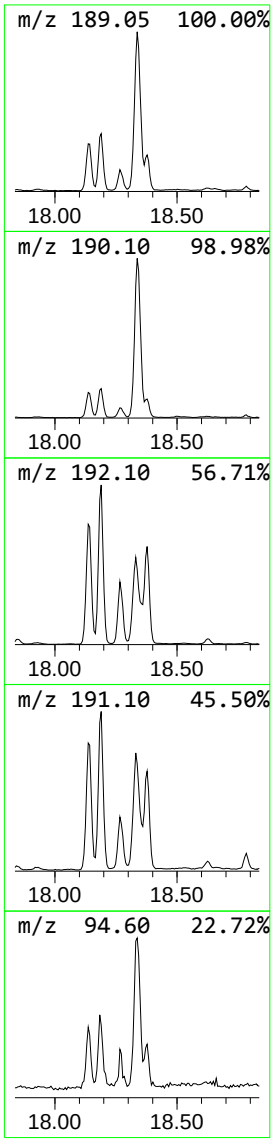
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.336	22.21 ng	2734840	Phenanthrene-d10	17.231

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
4	4,6-Dichloro-2-ethylpyrimidin-5-...	191	C6H7Cl2N3	006237-96-3	43
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25





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Acq On : 12 Aug 2025 20:46
Operator : CG/JU
Sample : Q2823-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SU-04-081125

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.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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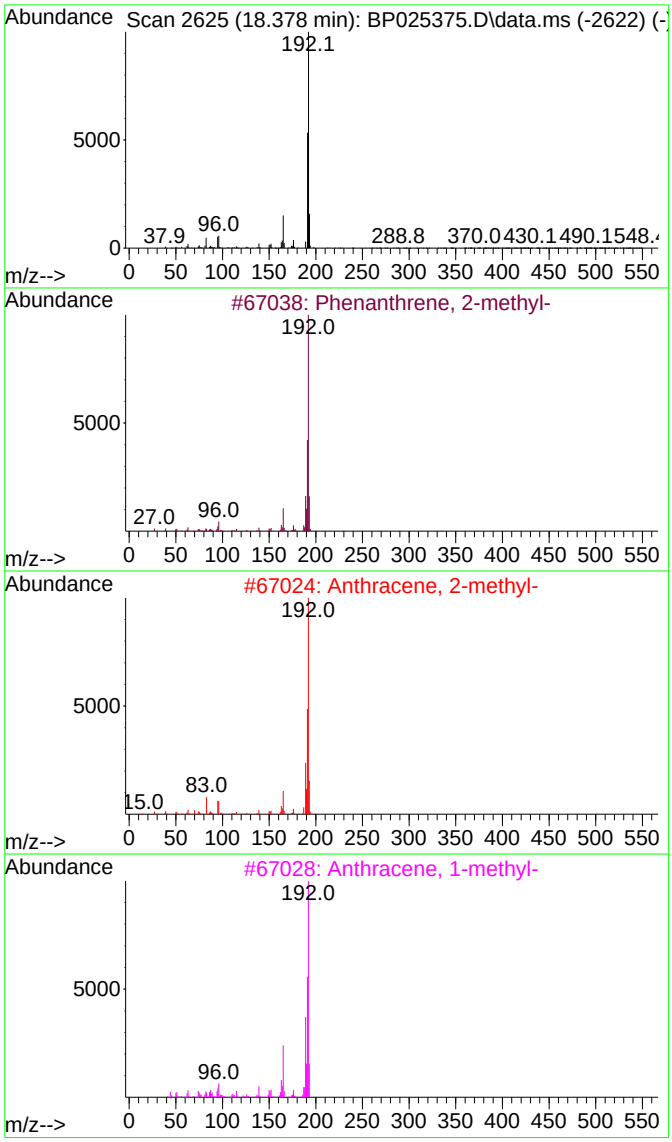
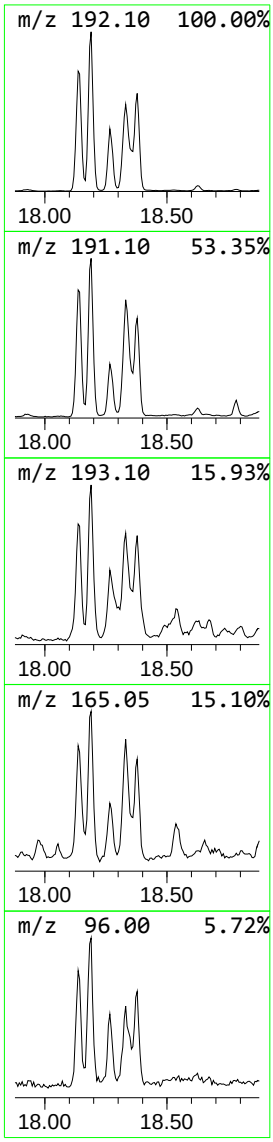
Peak Number 10 Anthracene, 9-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.378	7.99 ng	984006	Phenanthrene-d10	17.231

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91





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Data File : BP025375.D
Acq On : 12 Aug 2025 20:46
Operator : CG/JU
Sample : Q2823-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SU-04-081125

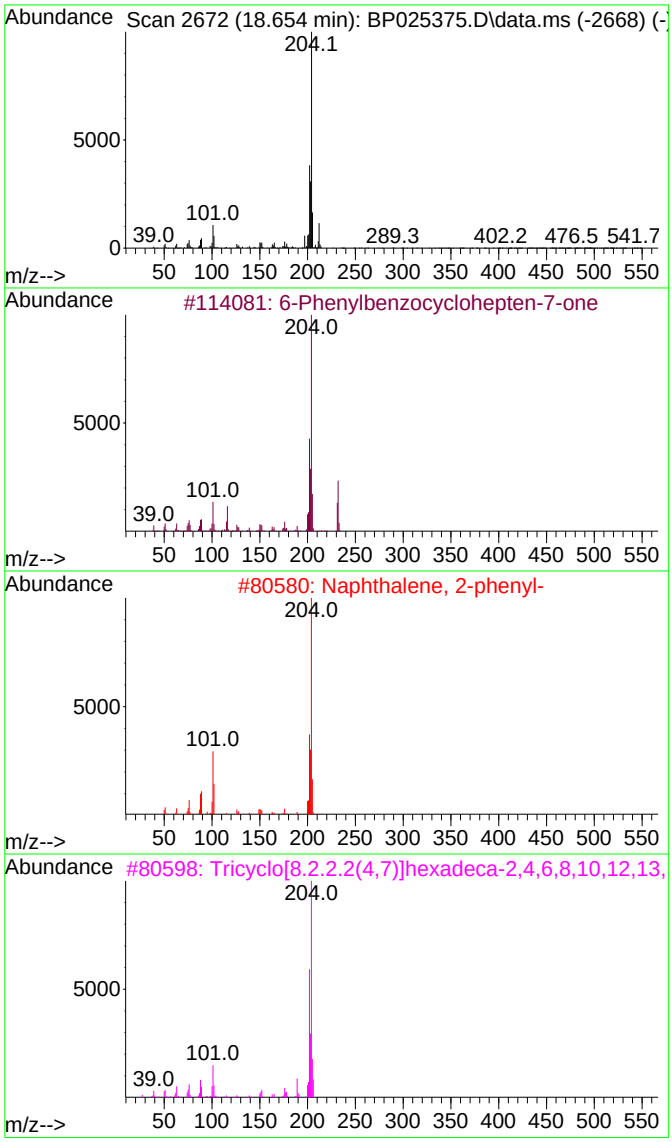
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

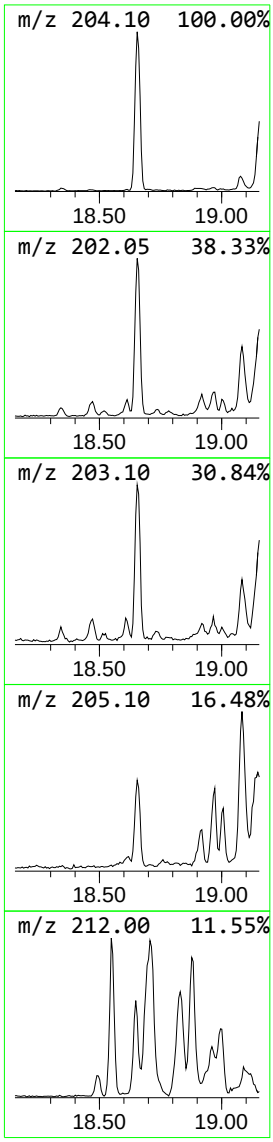
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 6-Phenylbenzocyclohepten-7-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.654	4.44 ng	546484	Phenanthrene-d10	17.231

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	43





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Acq On : 12 Aug 2025 20:46
Operator : CG/JU
Sample : Q2823-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SU-04-081125

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

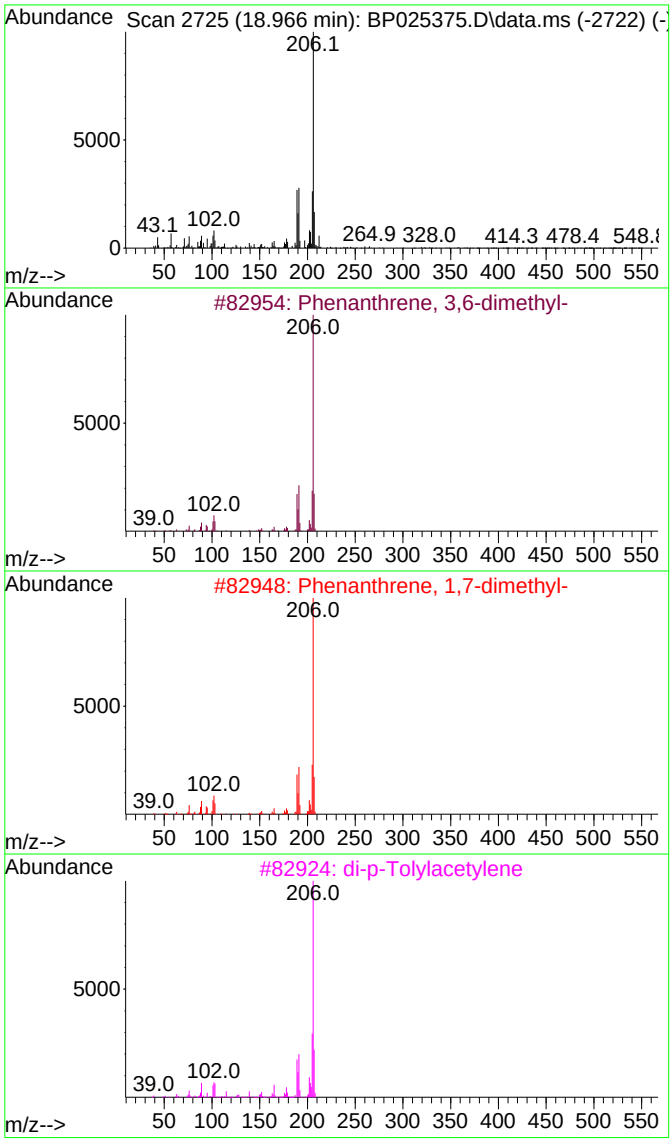
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

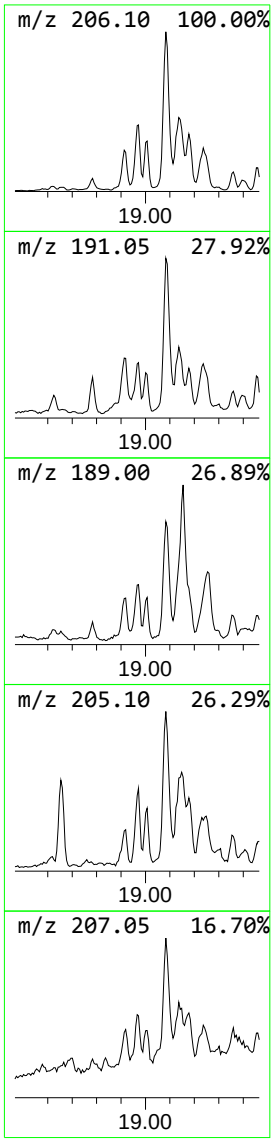
****

Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.966	4.08 ng	501849	Phenanthrene-d10	17.231

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87





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Data File : BP025375.D
Acq On : 12 Aug 2025 20:46
Operator : CG/JU
Sample : Q2823-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SU-04-081125

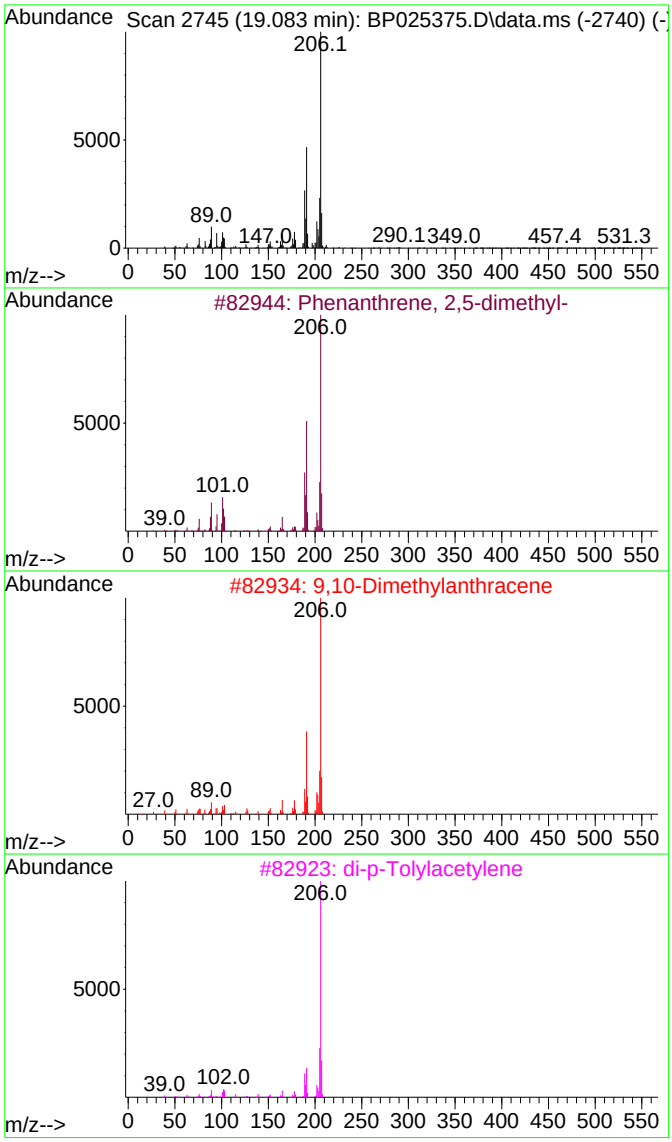
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

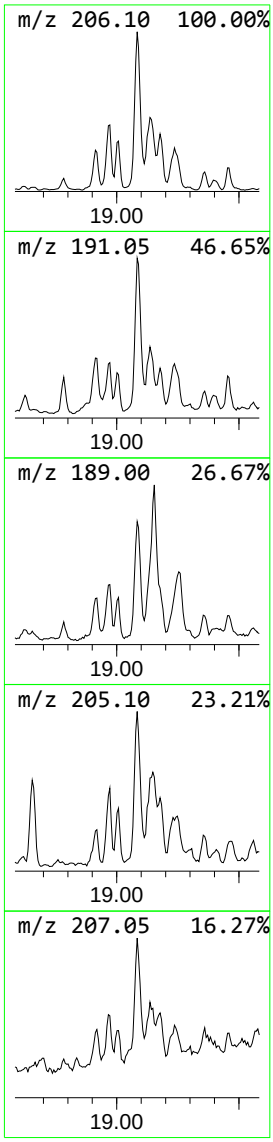
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.083	9.43 ng	1160750	Phenanthrene-d10	17.231

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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Acq On : 12 Aug 2025 20:46
Operator : CG/JU
Sample : Q2823-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SU-04-081125

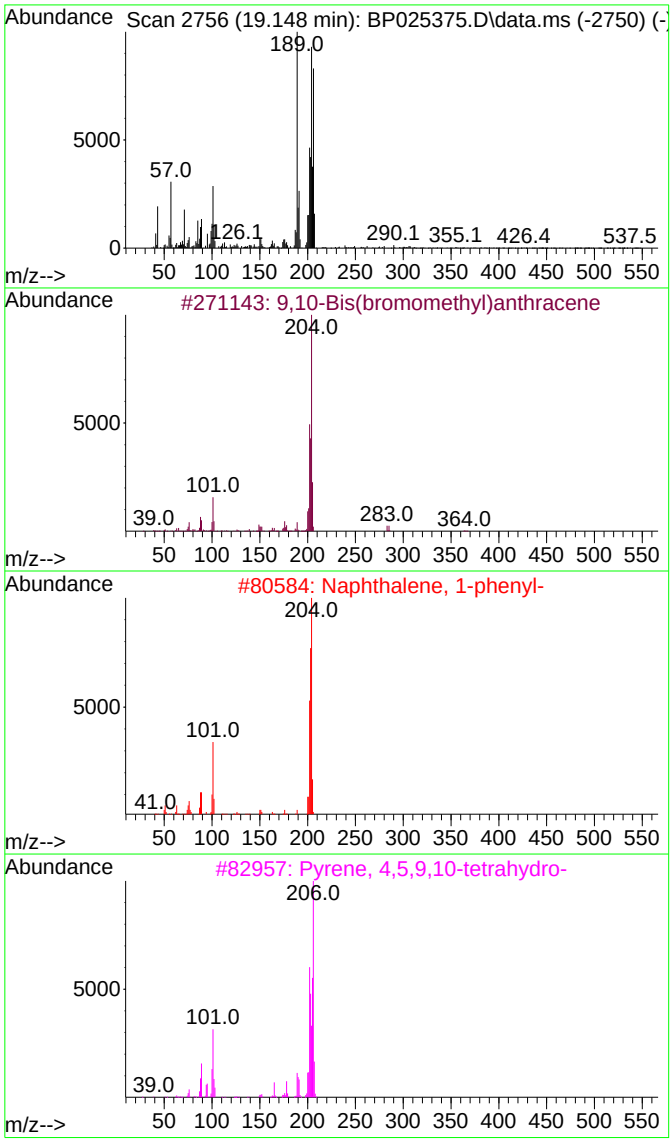
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

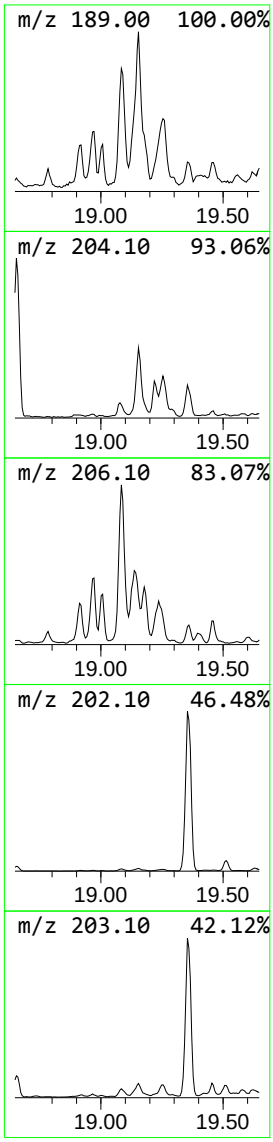
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 9,10-Bis(bromomethyl)anthra... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.148	9.37 ng	1153880	Phenanthrene-d10	17.231

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	50
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	45
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	30
5	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	25





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Acq On : 12 Aug 2025 20:46
Operator : CG/JU
Sample : Q2823-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SU-04-081125

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.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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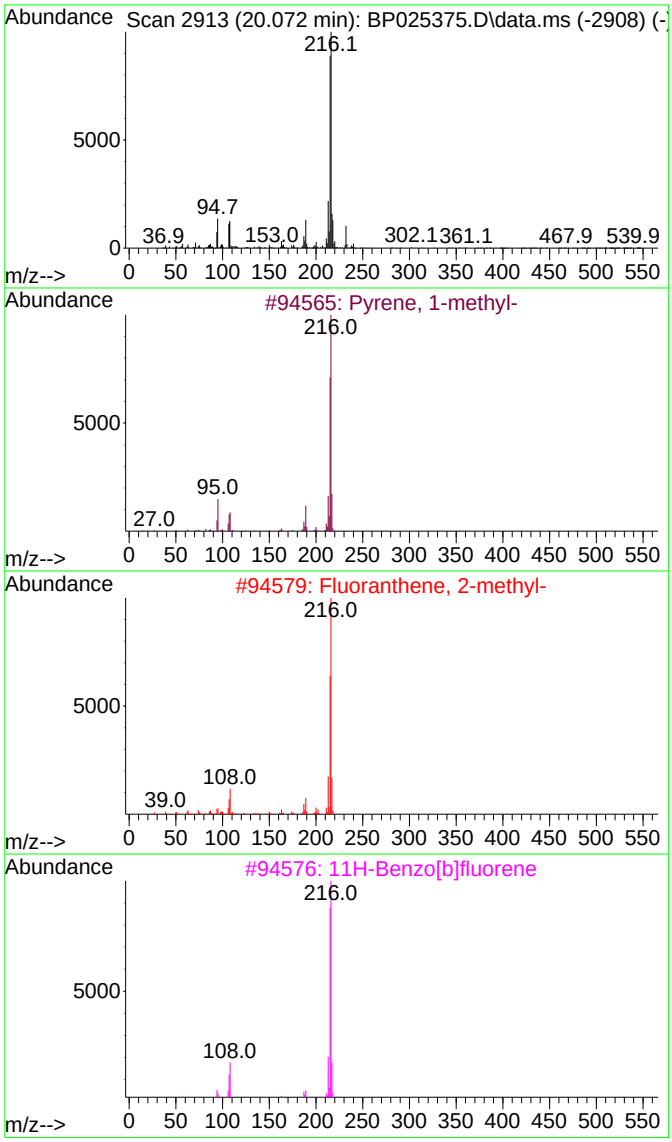
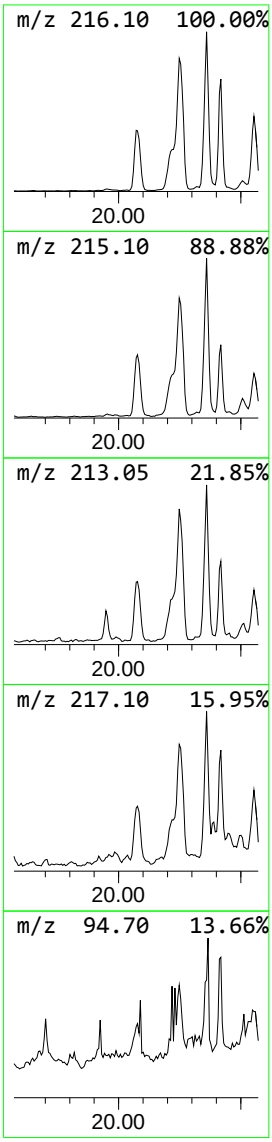
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.072	4.43 ng	1484630	Chrysene-d12	21.677

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	89
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Data File : BP025375.D
Acq On : 12 Aug 2025 20:46
Operator : CG/JU
Sample : Q2823-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SU-04-081125

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.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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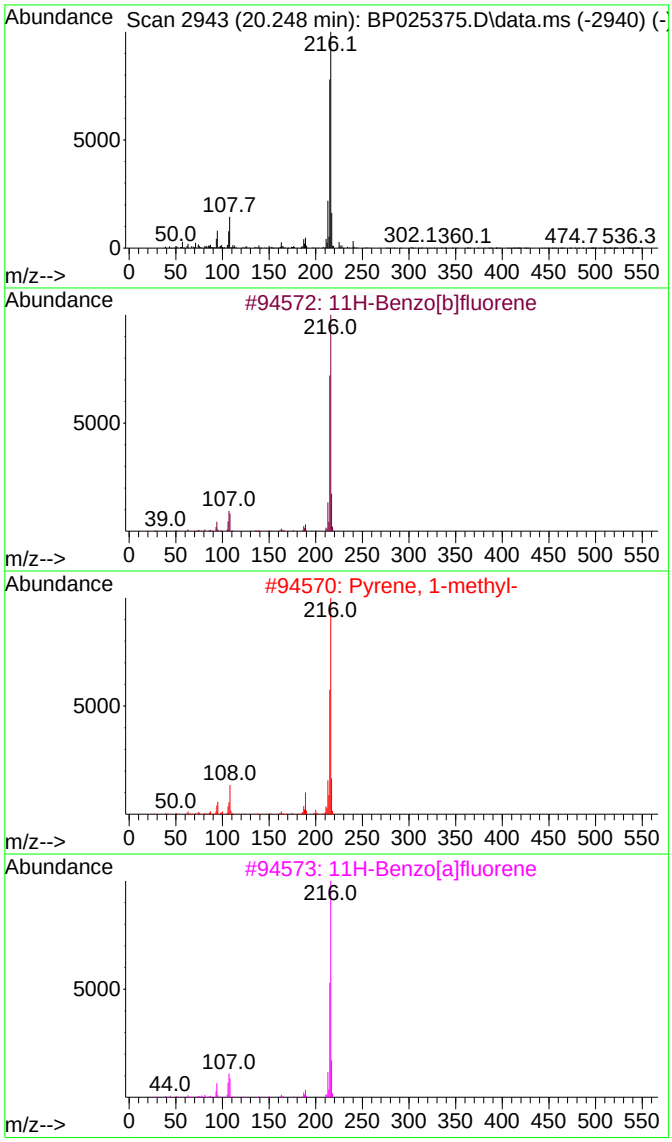
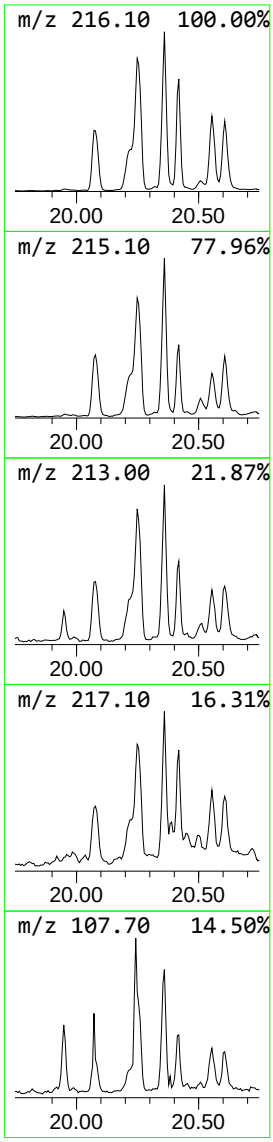
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.248	4.35 ng	1457300	Chrysene-d12	21.677

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025375.D
Acq On : 12 Aug 2025 20:46
Operator : CG/JU
Sample : Q2823-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SU-04-081125

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

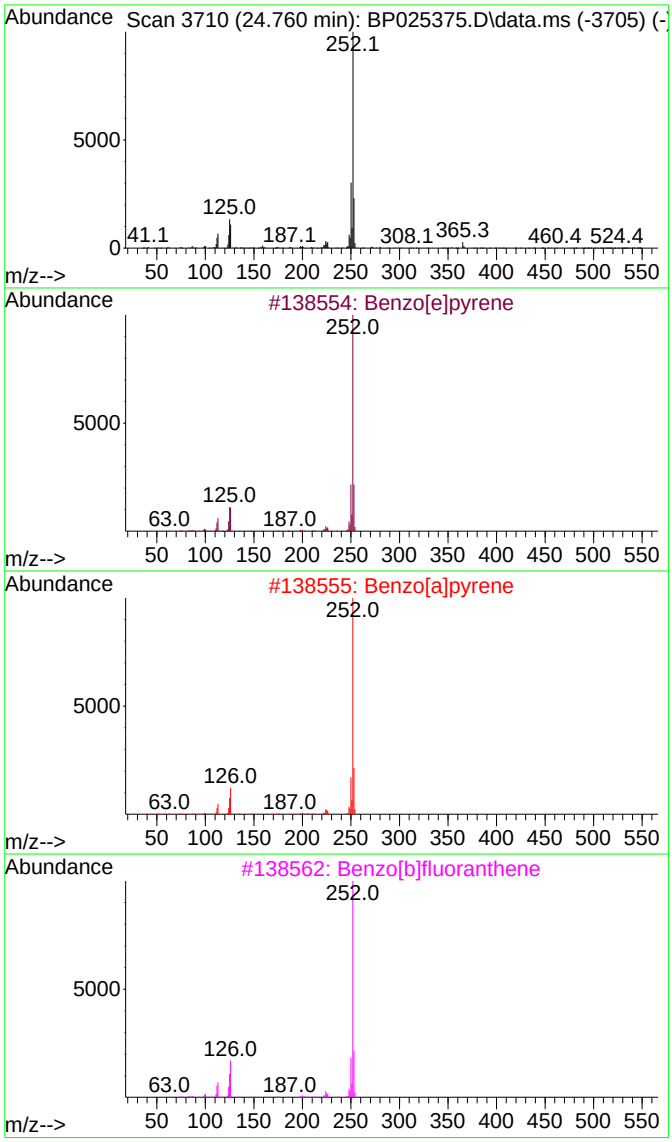
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

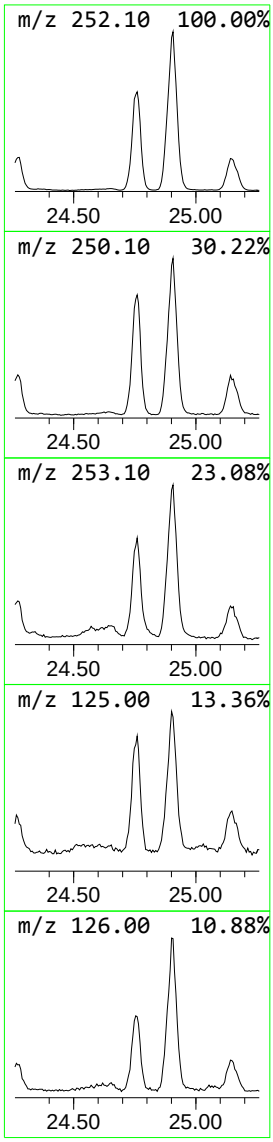
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.760	13.39 ng	1660010	Perylene-d12	25.066

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	97
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081225\
Data File : BP025375.D
Acq On : 12 Aug 2025 20:46
Operator : CG/JU
Sample : Q2823-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SU-04-081125

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.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...	3.049	12.4	ng	784037	1	7.802	1264480	20.0
Naphthalene, 2,...	13.743	5.9	ng	701723	3	14.425	2368690	20.0
Dibenzofuran, 4...	15.795	5.6	ng	661503	3	14.425	2368690	20.0
(3H)Benzo[c]pyr...	16.513	3.8	ng	468386	4	17.231	2462710	20.0
Naphtho[2,1-b]t...	17.048	5.8	ng	720696	4	17.231	2462710	20.0
Anthracene, 2-m...	18.136	11.6	ng	1425750	4	17.231	2462710	20.0
Phenanthrene, 1...	18.183	18.8	ng	2314960	4	17.231	2462710	20.0
Phenanthrene, 2...	18.266	5.7	ng	706919	4	17.231	2462710	20.0
4H-Cyclopenta[d...	18.336	22.2	ng	2734840	4	17.231	2462710	20.0
Anthracene, 9-m...	18.378	8.0	ng	984006	4	17.231	2462710	20.0
6-Phenylbenzocy...	18.654	4.4	ng	546484	4	17.231	2462710	20.0
Phenanthrene, 3...	18.966	4.1	ng	501849	4	17.231	2462710	20.0
Phenanthrene, 2...	19.083	9.4	ng	1160750	4	17.231	2462710	20.0
9,10-Bis(bromom...	19.148	9.4	ng	1153880	4	17.231	2462710	20.0
Pyrene, 1-methyl-	20.072	4.4	ng	1484630	5	21.677	6698870	20.0
11H-Benzo[b]flu...	20.248	4.3	ng	1457300	5	21.677	6698870	20.0
Benzo[e]pyrene	24.760	13.4	ng	1660010	6	25.066	2478880	20.0