LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

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-BP060625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP024895.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.772	306	312	321	rBV	344474	482252	1.06%	0.104%
2	5.237	385	391	412	rBV	3470538	5499794	12.07%	1.188%
3	6.813	653	659	682	rVB	3514733	5832274	12.80%	1.260%
4	7.607	783	794	802	rBV	943058	1513175	3.32%	0.327%
5	8.760	983	990	997	rBV	2287490	3778484	8.29%	0.816%
6	10.378	1254	1265	1270	rBV2	1244172	2781535	6.10%	0.601%
7	10.431	1270	1274	1280	rVB	1097568	1712297	3.76%	0.370%
8	11.807	1499	1508	1515	rBV	991026	1568240	3.44%	0.339%
9	12.048	1539	1549	1555	rVB2	425055	801228	1.76%	0.173%
10	12.272	1578	1587	1594	rBV	386663	692101	1.52%	0.149%
11	12.860	1680	1687	1697	rVB	5293763	8503041	18.66%	1.837%
12	13.066	1715	1722	1734	rVB2	960972	1461430	3.21%	0.316%
13	13.572	1801	1808	1813	rBV	300675	596520	1.31%	0.129%
14	14.260	1916	1925	1930	rBV	1993884	3065673	6.73%	0.662%
15	14.325	1930	1936	1944	rVV	4203389	5855468	12.85%	1.265%
16	14.572	1970	1978	1983	rBV	290874	466186	1.02%	0.101%
17	14.666	1988	1994	2002	rVV	2048141	3134490	6.88%	0.677%
18	15.325	2100	2106	2111	rBV	3393361	4583751	10.06%	0.990%
19	15.448	2124	2127	2130	rVV	324981	499606	1.10%	0.108%
20	15.489	2130	2134	2139	rVB	402089	615709	1.35%	0.133%
21	15.642	2153	2160	2167	rVB2	1053251	2438834	5.35%	0.527%
22	15.784	2173	2184	2191	rBV	5324062	8962708	19.67%	1.936%
23	16.354	2269	2281	2286	rBV3	601158	1538439	3.38%	0.332%
24	16.719	2338	2343	2349	rVB	712492	1006045	2.21%	0.217%
25	16.801	2350	2357	2363	rVV3	357395	936661	2.06%	0.202%
26	16.878	2364	2370	2380	rVB	1648075	2658372	5.83%	0.574%
27	17.066	2397	2402	2405	rBV	2036730	3193754	7.01%	0.690%
28	17.119	2405	2411	2417	rVV	24701911	42068695	92.32%	9.087%
29	17.207	2417	2426	2432	rVV	8156157	12182143	26.73%	2.631%
30	17.272	2432	2437	2442	rVB	790441	1095872	2.40%	0.237%
31	17.495	2465	2475	2488	rVB2	2694080	5166772	11.34%	1.116%
32	17.601	2488	2493	2500	rBV3	621182	1139987	2.50%	0.246%
33	17.683	2500	2507	2512	rVV4	260082	641363	1.41%	0.139%
34	17.754	2513	2519	2525	rVV5	334272	700579	1.54%	0.151%
35	17.966	2549	2555	2559	rBV	2375918	3271275	7.18%	0.707%
36	18.013	2559	2563	2571	rVV	3652037	5433463	11.92%	1.174%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

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-BP060625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.107	2573	2579	2584	rVB	1276367	2040172	4.48%	0.441%
38	18.172	2584	2590	2595	rBV2	3740687	7012345	15.39%	1.515%
39	18.213	2595	2597	2605	rVB	1523615	1720787	3.78%	0.372%
40	18.289	2606	2610	2614	rBV2	363207	559362	1.23%	0.121%
41	18.489	2640	2644	2649	rVV	2226236	3025889	6.64%	0.654%
42	18.542	2649	2653	2659	rVV	1108467	1680544	3.69%	0.363%
43	18.742	2683	2687	2693	rVB2	434740	710985	1.56%	0.154%
44	18.842	2700	2704	2708	rVB2	405660	527333	1.16%	0.114%
45	18.925	2713	2718	2722	rBV	791090	1411823	3.10%	0.305%
46	19.072	2738	2743	2751	rVB3	652399	1500260	3.29%	0.324%
47	19.213	2759	2767	2772	rBV	24097695	43219412	94.84%	9.335%
48	19.301	2779	2782	2786	rVV	670129	875938	1.92%	0.189%
49	19.342	2786	2789	2795	rVB3	243691	465339	1.02%	0.101%
50	19.448	2802	2807	2811	rBV2	1050523	1416867	3.11%	0.306%
51	19.589	2820	2831	2838	rBV2	23513390	45569958	100.00%	9.843%
52	19.648	2838	2841	2849	rVB3	1169056	1836153	4.03%	0.397%
53	19.789	2856	2865	2869	rBV2	9062416	13511211	29.65%	2.918%
54	19.836	2869	2873	2880	rVB	1513398	2357938	5.17%	0.509%
55	19.919	2881	2887	2893	rBV4	1259557	3133860	6.88%	0.677%
56	19.972	2893	2896	2900	rVV	576023	757147	1.66%	0.164%
57	20.054	2905	2910	2912	rVV4	1085428	1836416	4.03%	0.397%
58	20.095	2913	2917	2921	rVB	2846175	4126911	9.06%	0.891%
59	20.201	2931	2935	2939	rBV	2736876	3317185	7.28%	0.716%
60	20.260	2939	2945	2949	rVV2	1639096	3283302	7.20%	0.709%
61	20.295	2949	2951	2955	rVB	721993	705521	1.55%	0.152%
62	20.342	2956	2959	2964	rVB3	361336	482360	1.06%	0.104%
63	20.401	2965	2969	2973	rBV	865616	1218168	2.67%	0.263%
64	20.448	2973	2977	2982	rBV3	1200214	1783852	3.91%	0.385%
65	20.748	3025	3028	3032	rVB2	481227	644709	1.41%	0.139%
66	20.836	3040	3043	3047	rBV2	452490	696067	1.53%	0.150%
67	20.883	3048	3051	3057	rVB	911293	1374381	3.02%	0.297%
68	21.066	3077	3082	3085	rBV	1431821	1984114	4.35%	0.429%
69	21.113	3086	3090	3093	rVV	1691600	2245964	4.93%	0.485%
70	21.160	3093	3098	3104	rVV2	1298470	3240499	7.11%	0.700%
71	21.483	3143	3153	3160	rBV3	12110306	27662215	60.70%	5.975%
72	21.554	3160	3165	3176	rVB	10049534	17119915	37.57%	3.698%
73	21.695	3184	3189	3193	rBV	2293495	3594586	7.89%	0.776%
74	21.848	3213	3215	3220	rVB	752213	1016824	2.23%	0.220%
75	21.919	3221	3227	3233	rVB2	1206823	2493383	5.47%	0.539%
76	22.242	3278	3282	3287	rVB	1330847	2243672	4.92%	0.485%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

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-BP060625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	22.313	3290	3294	3300	rVB	588569	878136	1.93%	0.190%
78	22.442	3313	3316	3322	rVB3	517905	892822	1.96%	0.193%
79	22.507	3323	3327	3331	rVV	728460	1215000	2.67%	0.262%
80	22.554	3331	3335	3343	rVB3	799948	1570805	3.45%	0.339%
81	23.360	3468	3472	3480	rVB2	530475	984699	2.16%	0.213%
82	23.736	3527	3536	3543	rBV	6707874	21210866	46.55%	4.581%
83	23.801	3545	3547	3554	rVB	3962402	6201579	13.61%	1.339%
84	23.989	3572	3579	3587	rVB	1503725	3340090	7.33%	0.721%
85	24.465	3652	3660	3674	rVB	4665825	12871334	28.25%	2.780%
86	24.618	3676	3686	3696	rVB	7559856	19420885	42.62%	4.195%
87	24.748	3703	3708	3716	rBV2	1331875	3453802	7.58%	0.746%
88	24.830	3716	3722	3737	rVB	2054149	6137463	13.47%	1.326%
89	28.471	4329	4341	4360	rVB2	2961582	13683609	30.03%	2.956%
90	29.618	4524	4536	4548	rVB	2632344	10320509	22.65%	2.229%
91	30.195	4632	4634	4640	rBV2	287919	514329	1.13%	0.111%

Sum of corrected areas: 462977511

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
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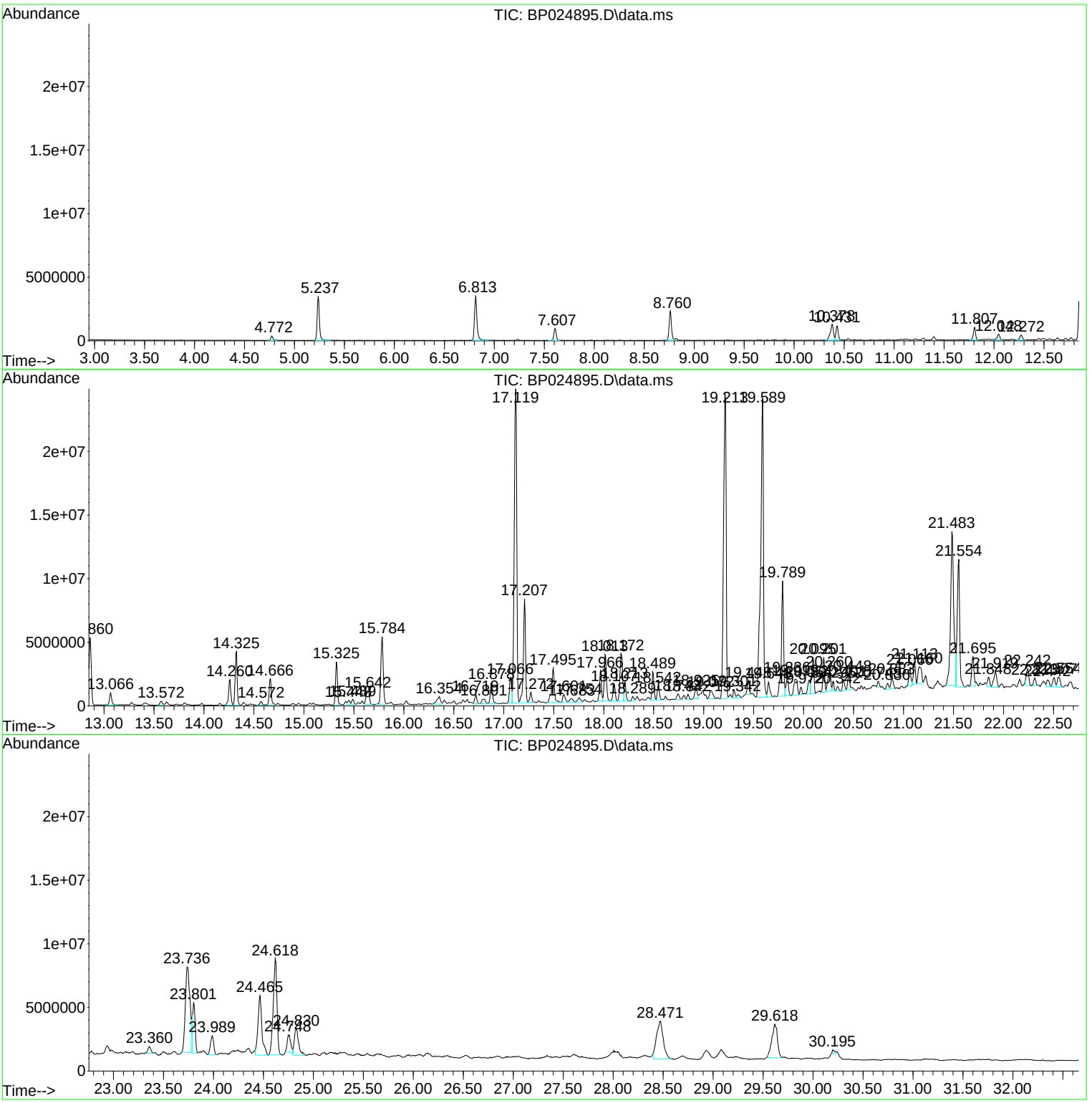
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.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\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
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Instrument :
BNA_P
ClientSampleId :
B-187-SB01

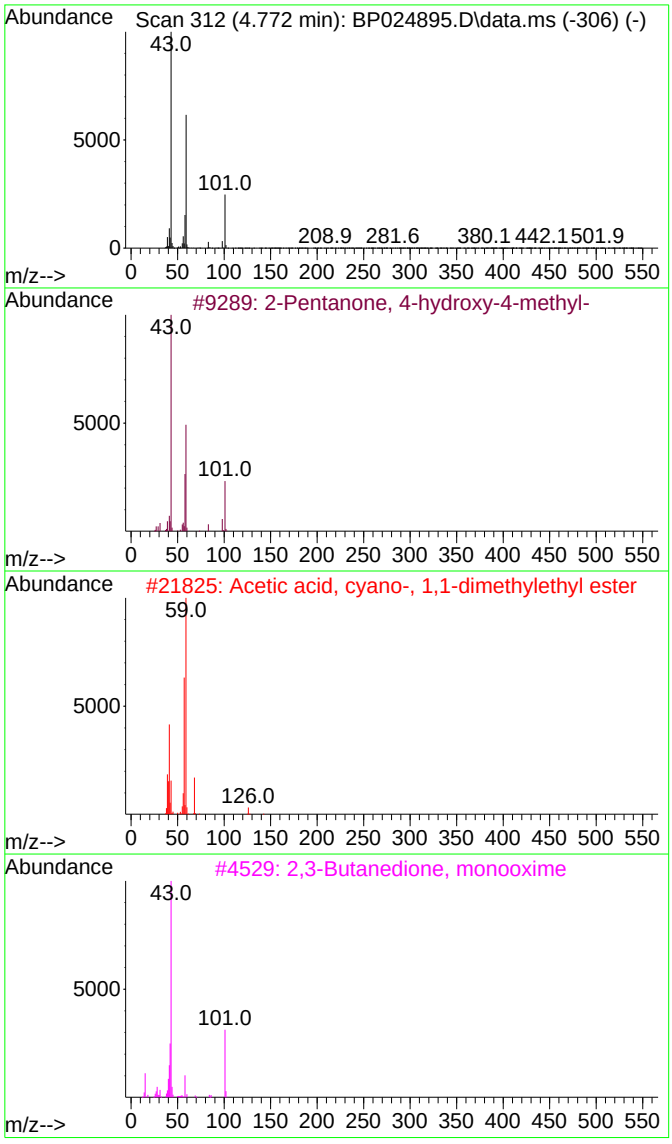
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

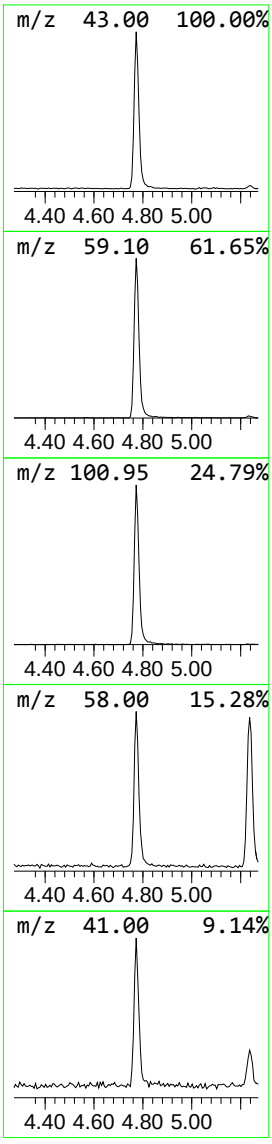
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.772	6.37 ng	482252	1,4-Dichlorobenzene-d4	7.607

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

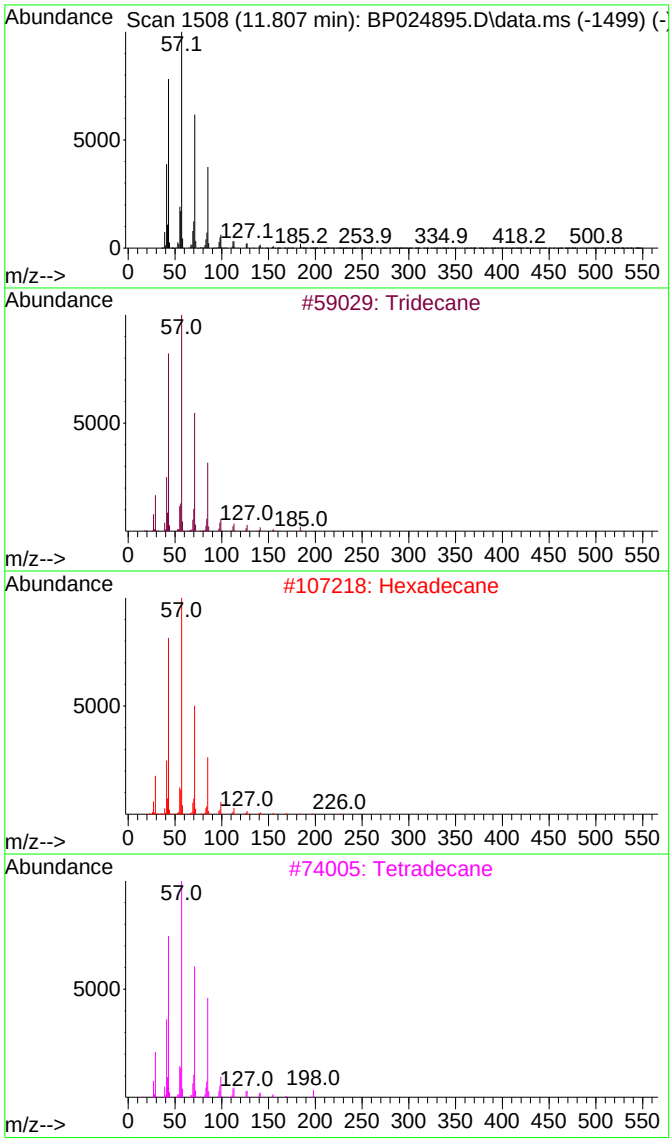
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

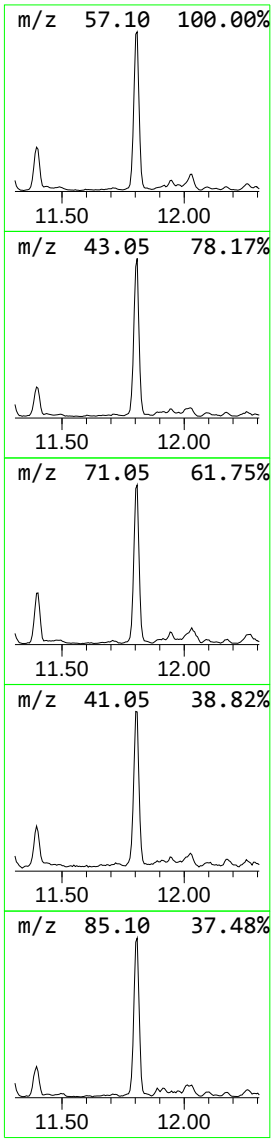
****

Peak Number 2 Tridecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.807	11.28 ng	1568240	Naphthalene-d8	10.378

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	94
2	Hexadecane	226	C16H34	000544-76-3	90
3	Tetradecane	198	C14H30	000629-59-4	90
4	Pentadecane	212	C15H32	000629-62-9	90
5	Dodecane	170	C12H26	000112-40-3	72





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Data File : BP024895.D
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BNA_P
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

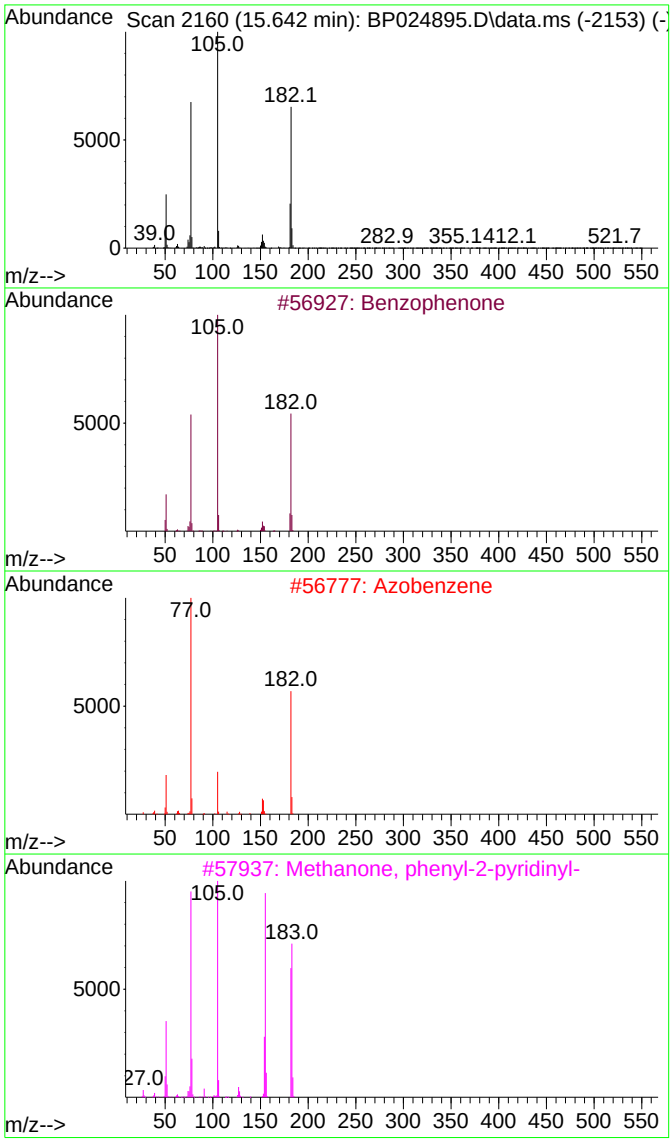
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

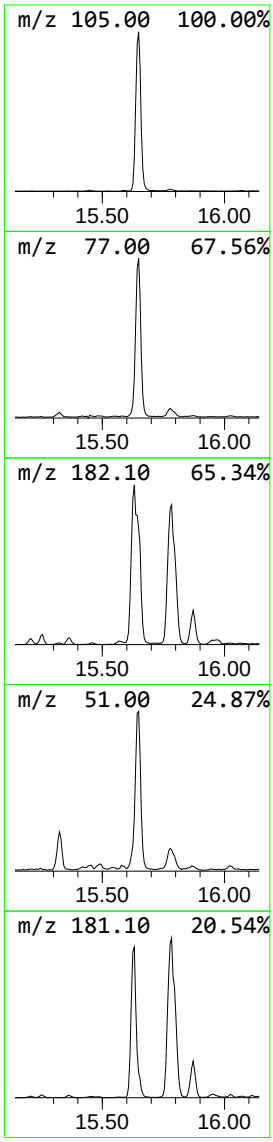
****

Peak Number 3 Benzophenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.642	15.91 ng	2438830	Acenaphthene-d10	14.260

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	95
2	Azobenzene	182	C12H10N2	000103-33-3	52
3	Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	45
4	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	43
5	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
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Acq On : 10 Jun 2025 15:46
Operator : RC/JU
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ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

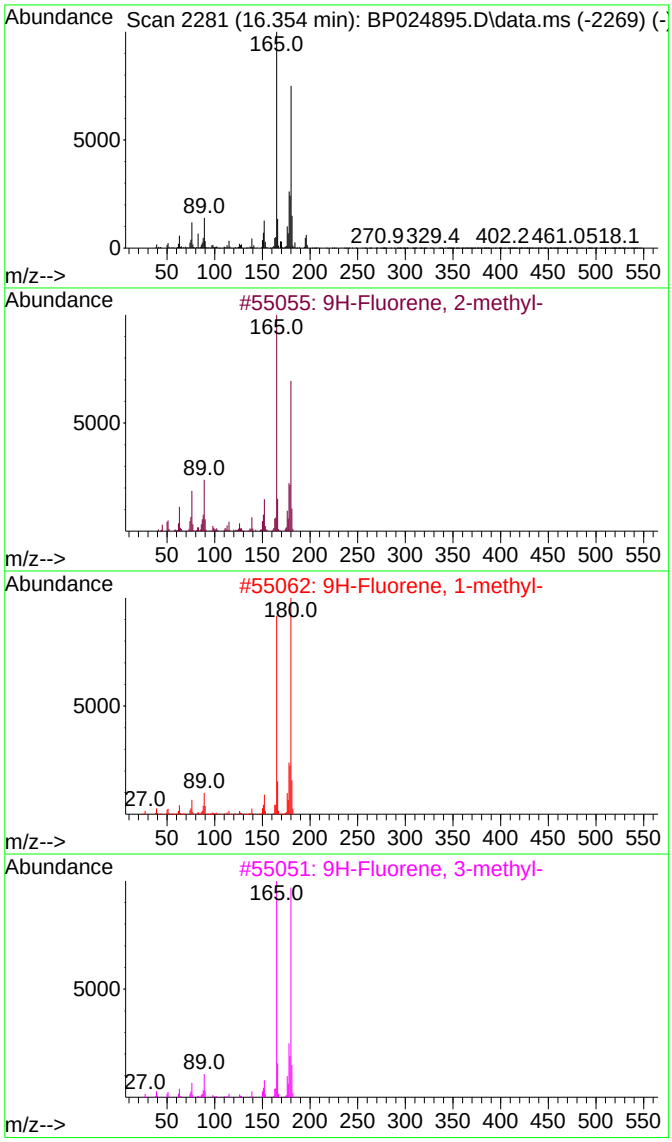
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

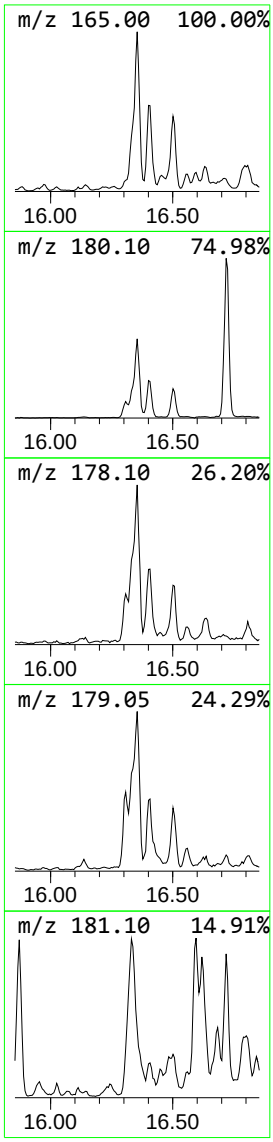
****

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.354	9.63 ng	1538440	Phenanthrene-d10	17.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

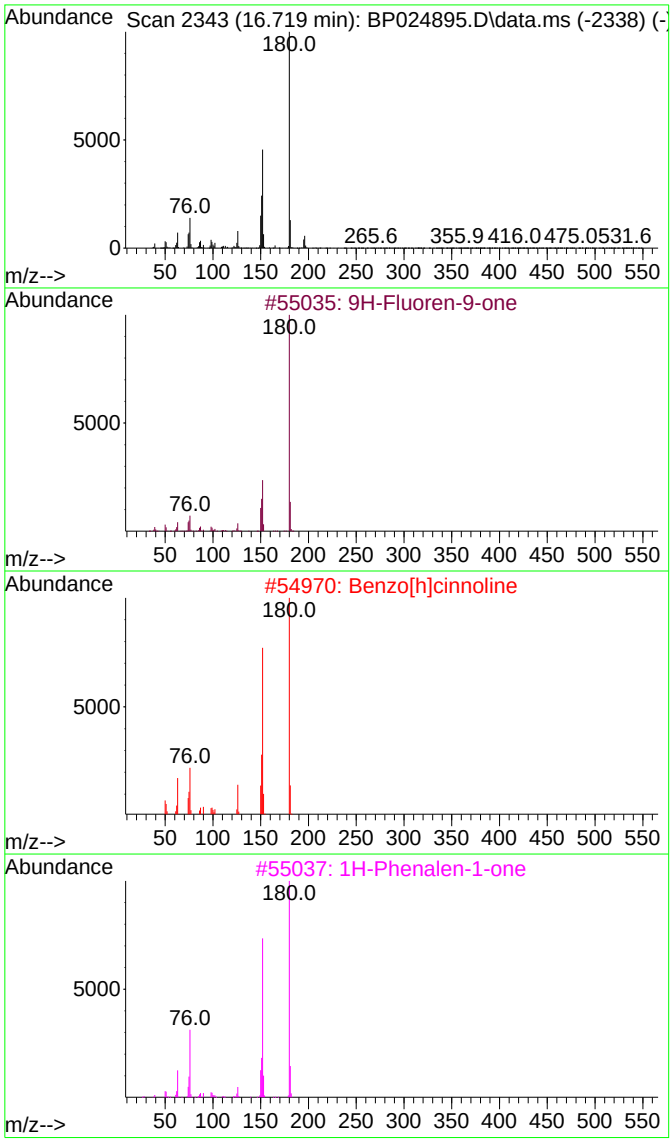
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

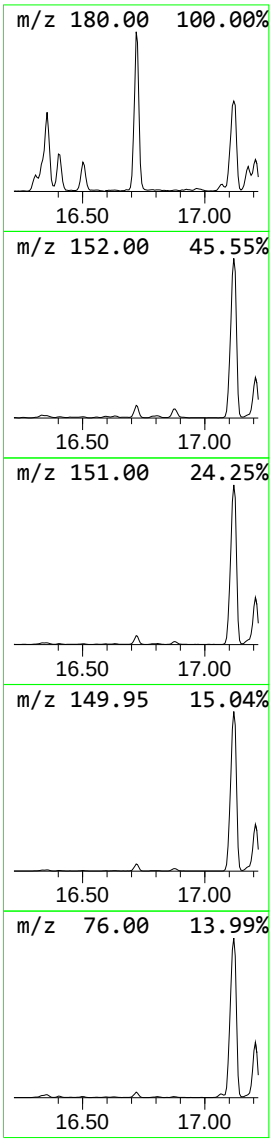
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.719	6.30 ng	1006050	Phenanthrene-d10	17.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	58
4	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	50
5	7-Nitro-3H-imidazo[4,5-b]pyridin...	180	C6H4N4O3	014432-11-2	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.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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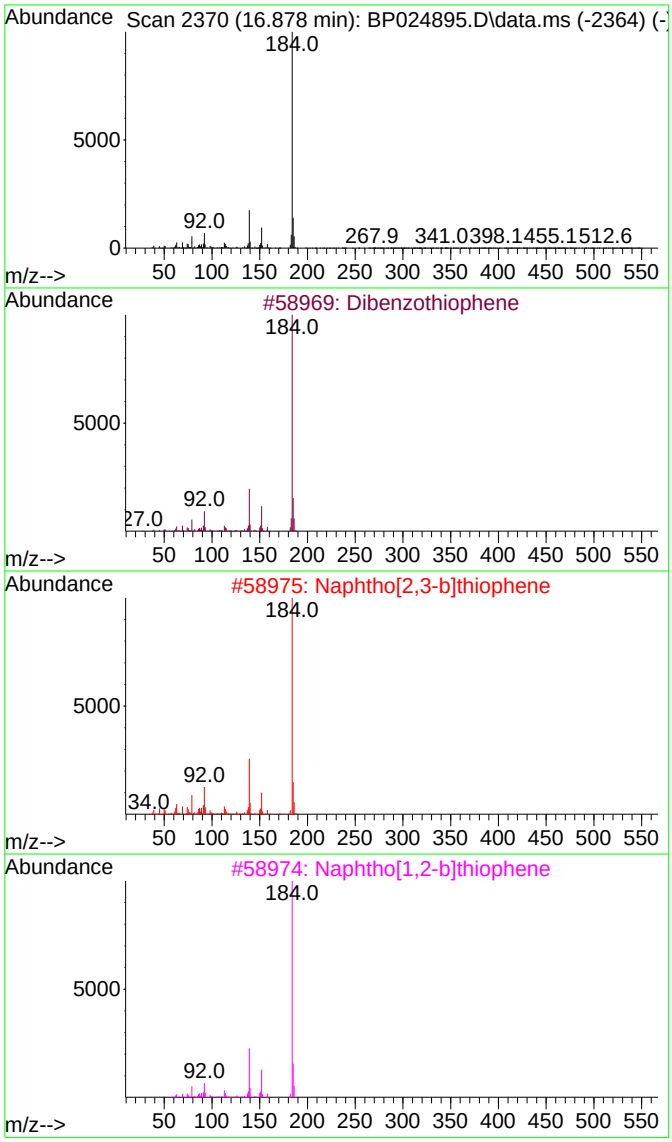
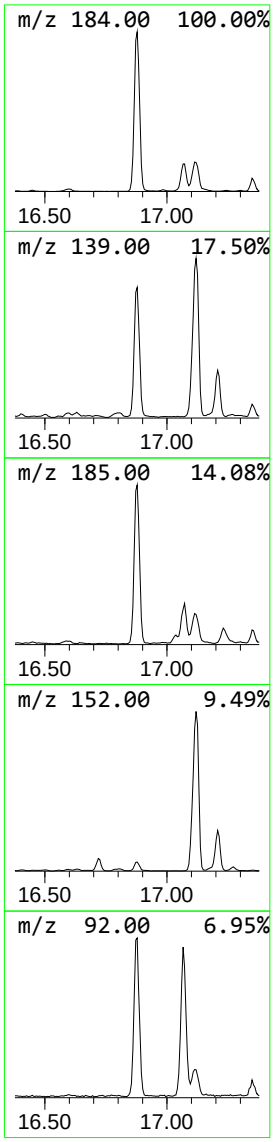
Peak Number 6 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.878	16.65 ng	2658370	Phenanthrene-d10	17.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	96
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-187-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.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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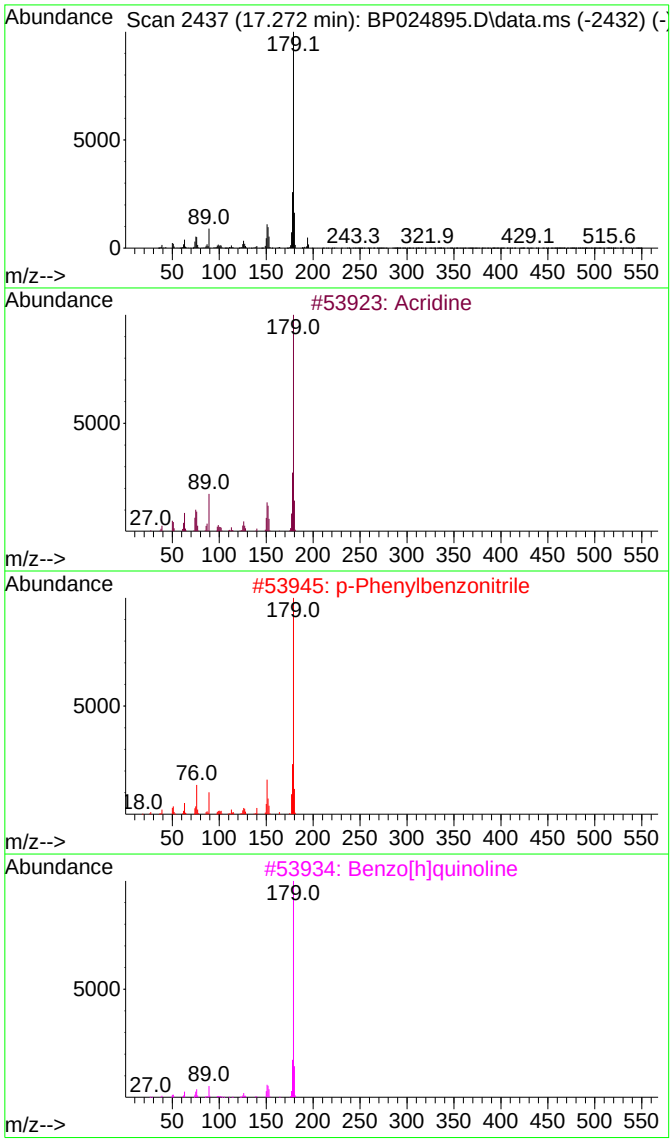
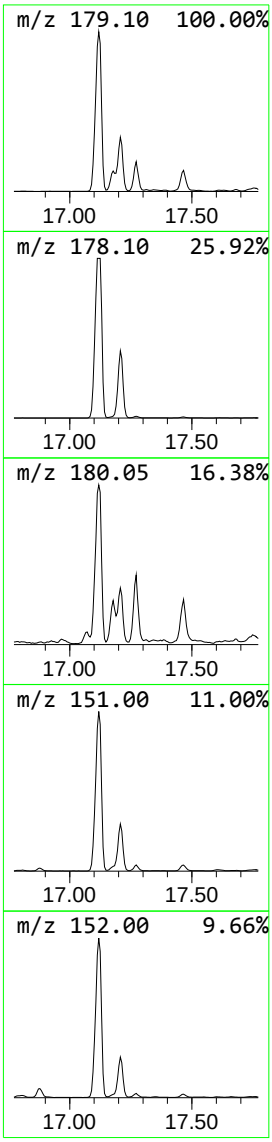
Peak Number 7 Acridine Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.272	6.86 ng	1095870	Phenanthrene-d10	17.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	97
2	p-Phenylbenzonitrile	179	C13H9N	002920-38-9	95
3	Benzo[h]quinoline	179	C13H9N	000230-27-3	94
4	Phenanthridine	179	C13H9N	000229-87-8	93
5	Benzo[f]quinoline	179	C13H9N	000085-02-9	93





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Misc :
ALS Vial : 9 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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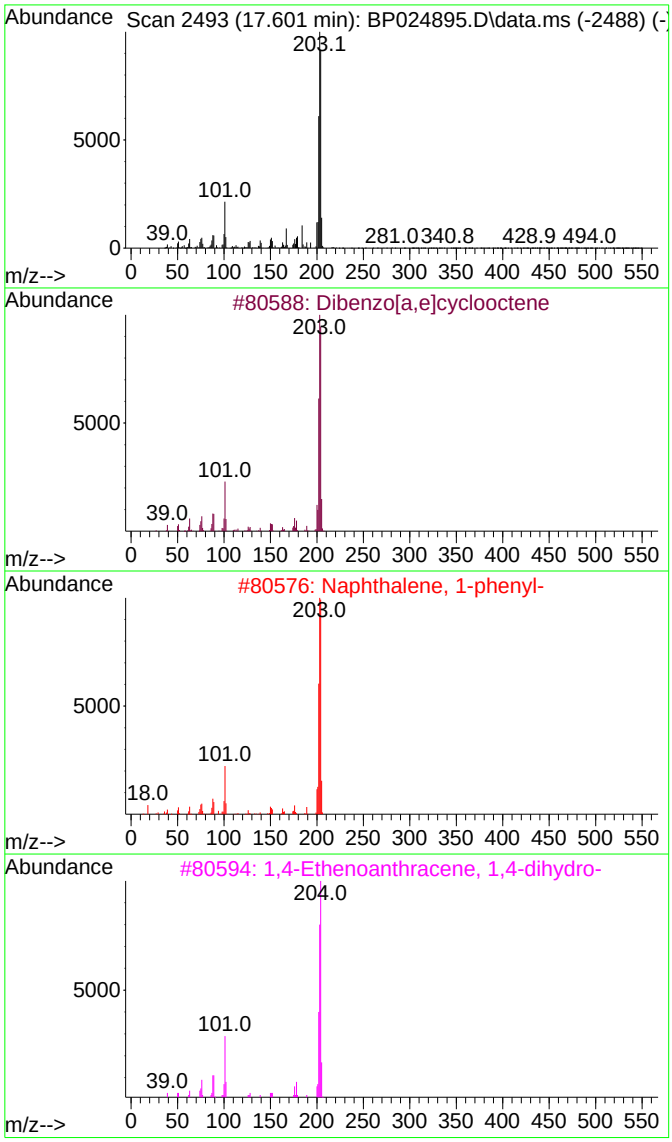
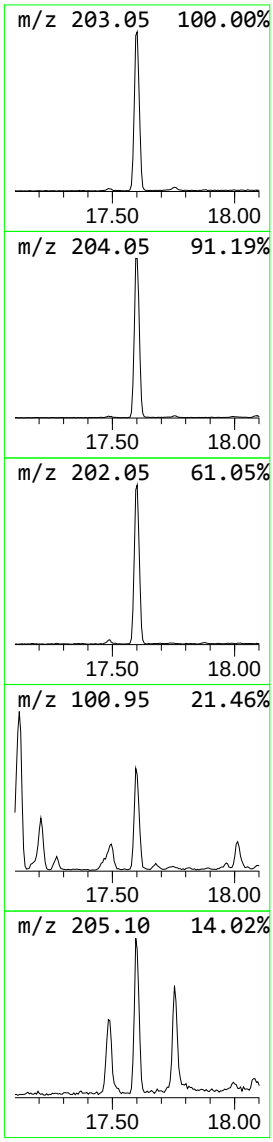
Peak Number 8 Dibenzo[a,e]cyclooctene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.601	7.14 ng	1139990	Phenanthrene-d10	17.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	98
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	97
3	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	89
4	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	86
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83





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ALS Vial : 9 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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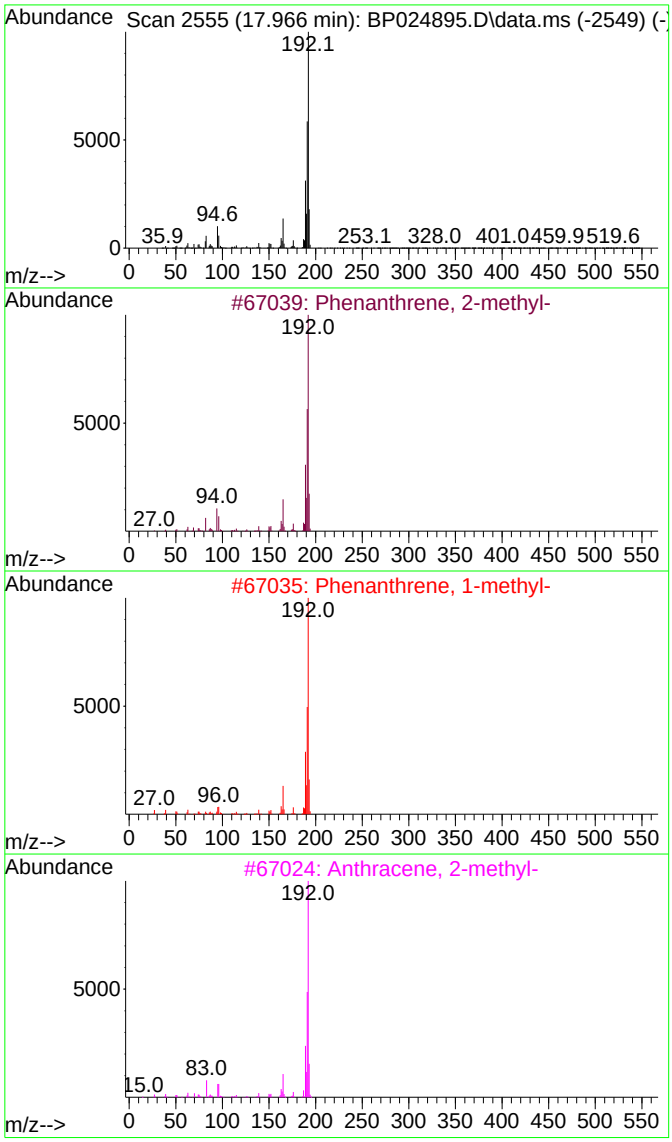
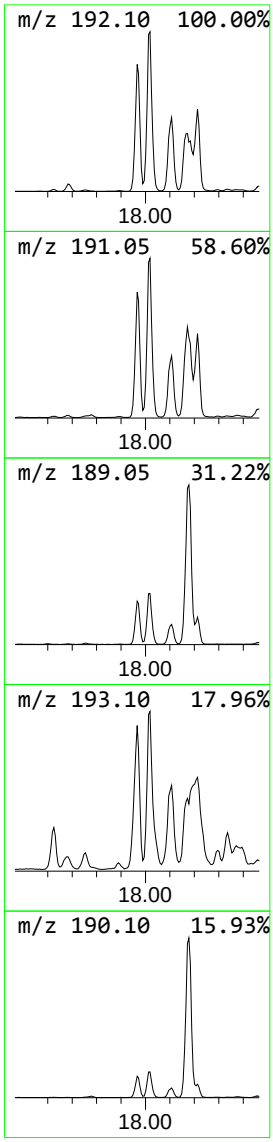
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.966	20.49 ng	3271280	Phenanthrene-d10	17.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.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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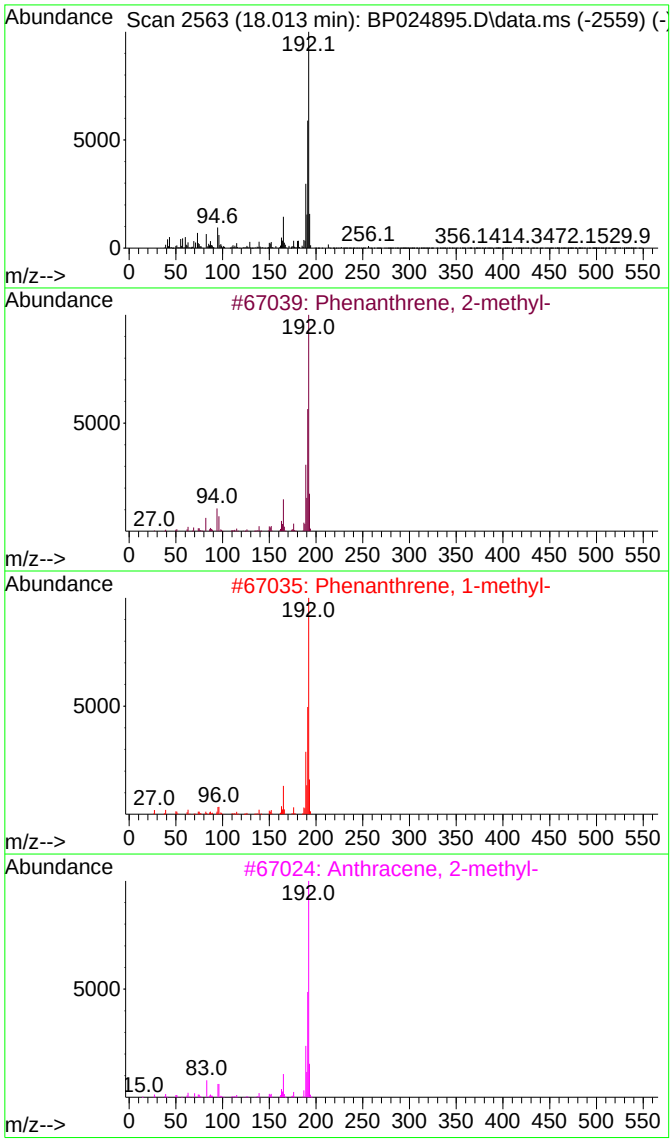
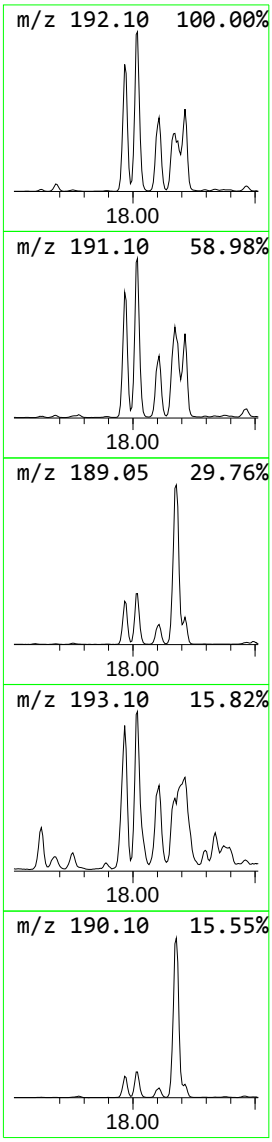
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.013	34.03 ng	5433460	Phenanthrene-d10	17.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





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Misc :
ALS Vial : 9 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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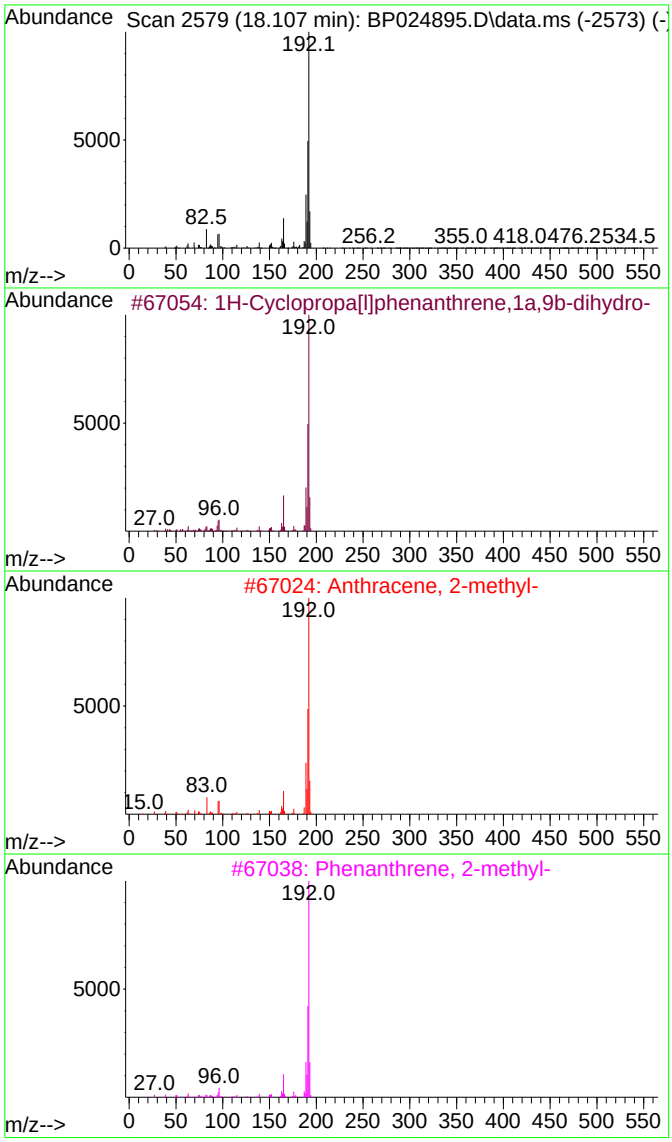
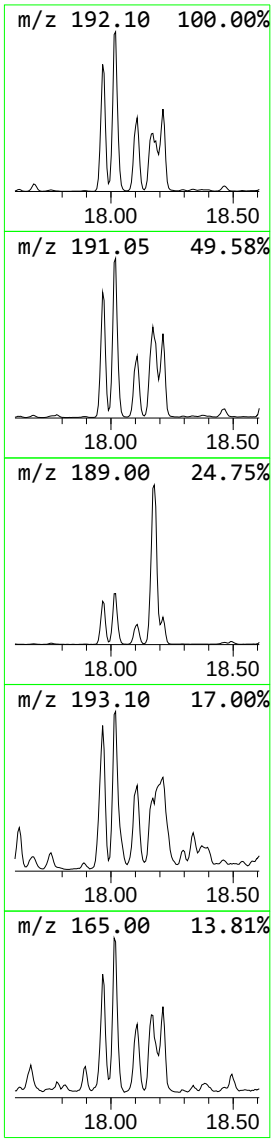
Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.107	12.78 ng	2040170	Phenanthrene-d10	17.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96





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Sample : Q2177-02
Misc :
ALS Vial : 9 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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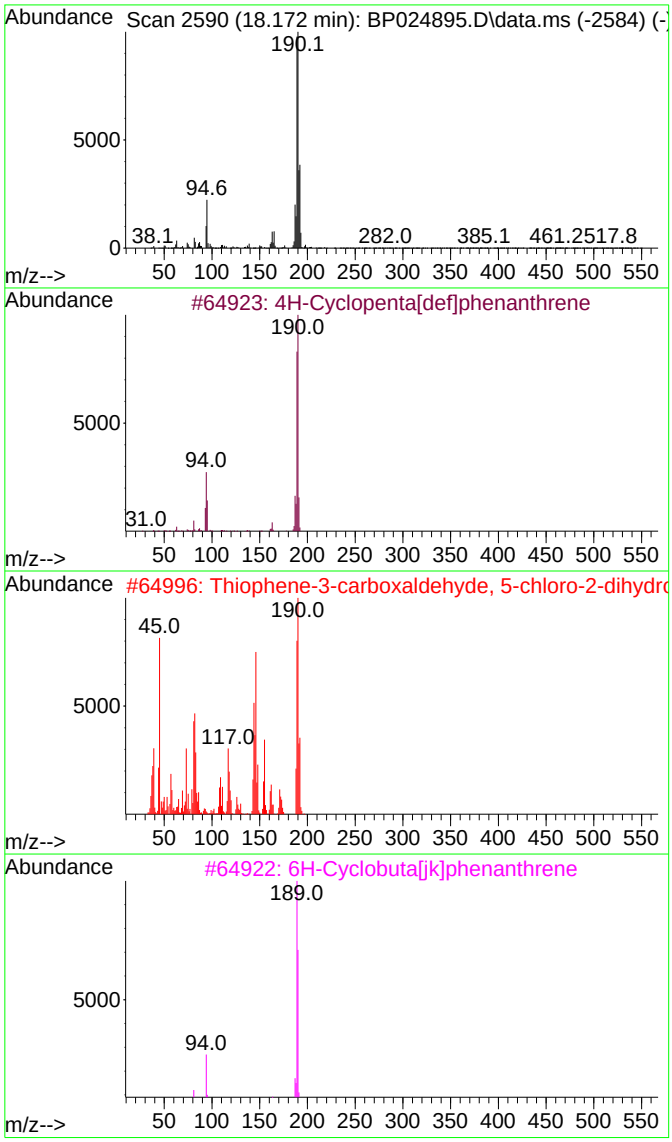
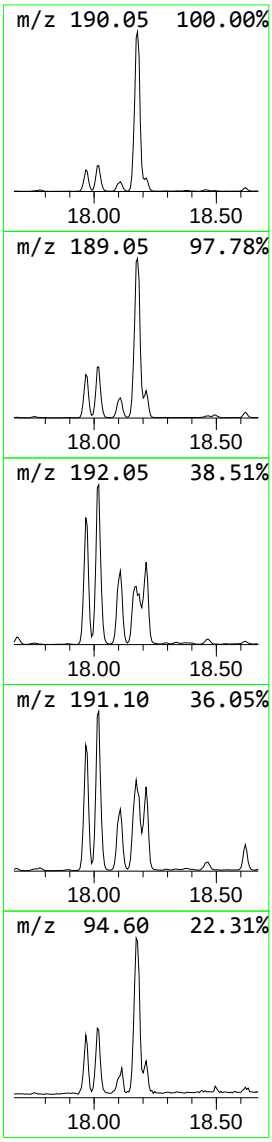
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.172	43.91 ng	7012350	Phenanthrene-d10	17.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42





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Misc :
ALS Vial : 9 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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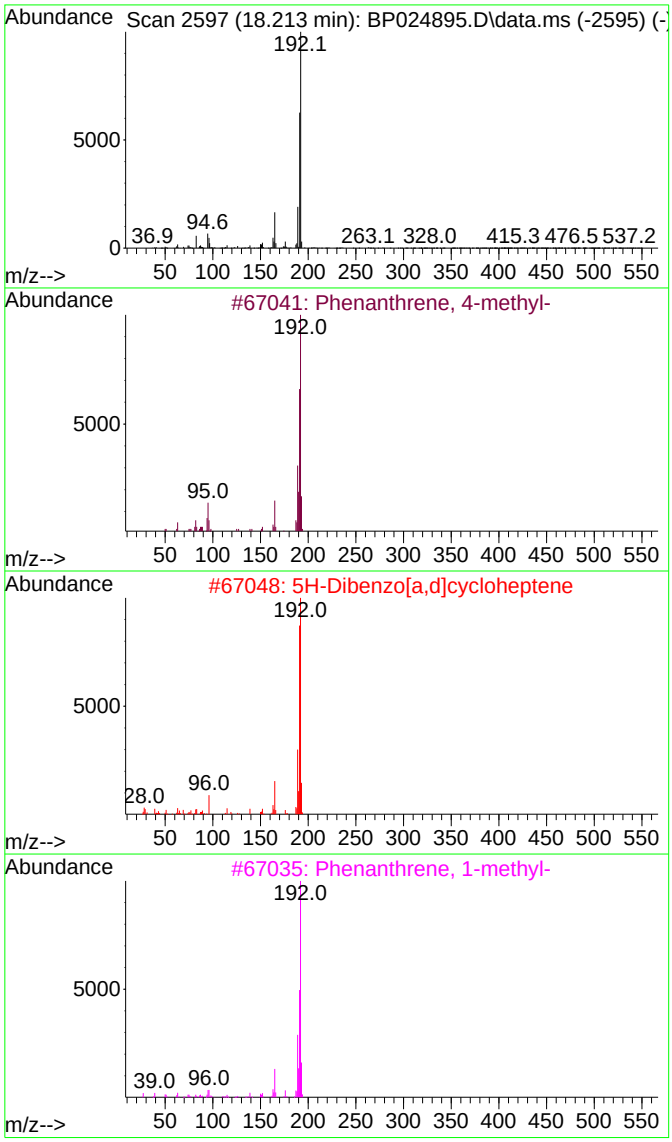
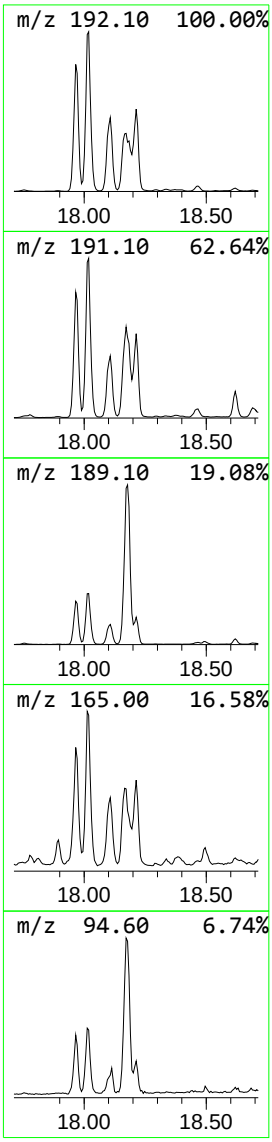
Peak Number 13 Phenanthrene, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.213	10.78 ng	1720790	Phenanthrene-d10	17.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	81
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81





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ALS Vial : 9 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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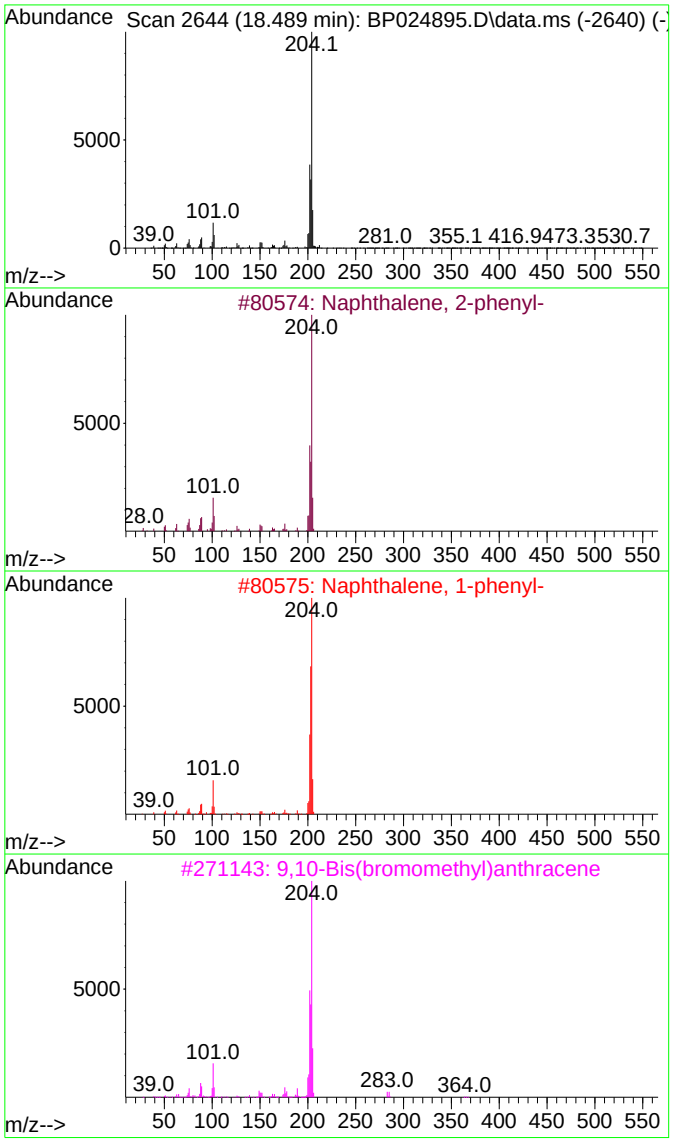
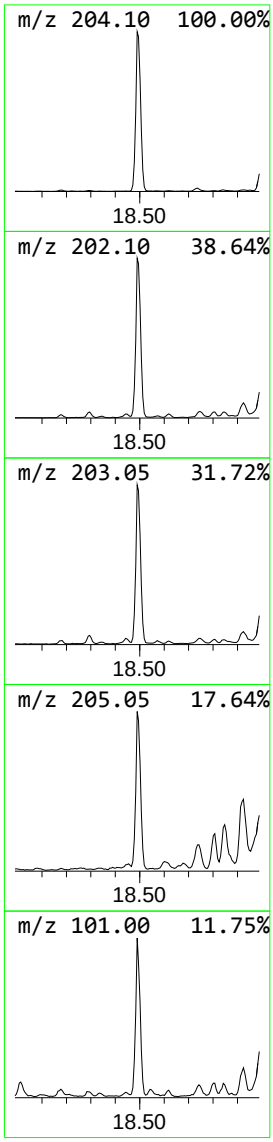
Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.489	18.95 ng	3025890	Phenanthrene-d10	17.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	59
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	55
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	52





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.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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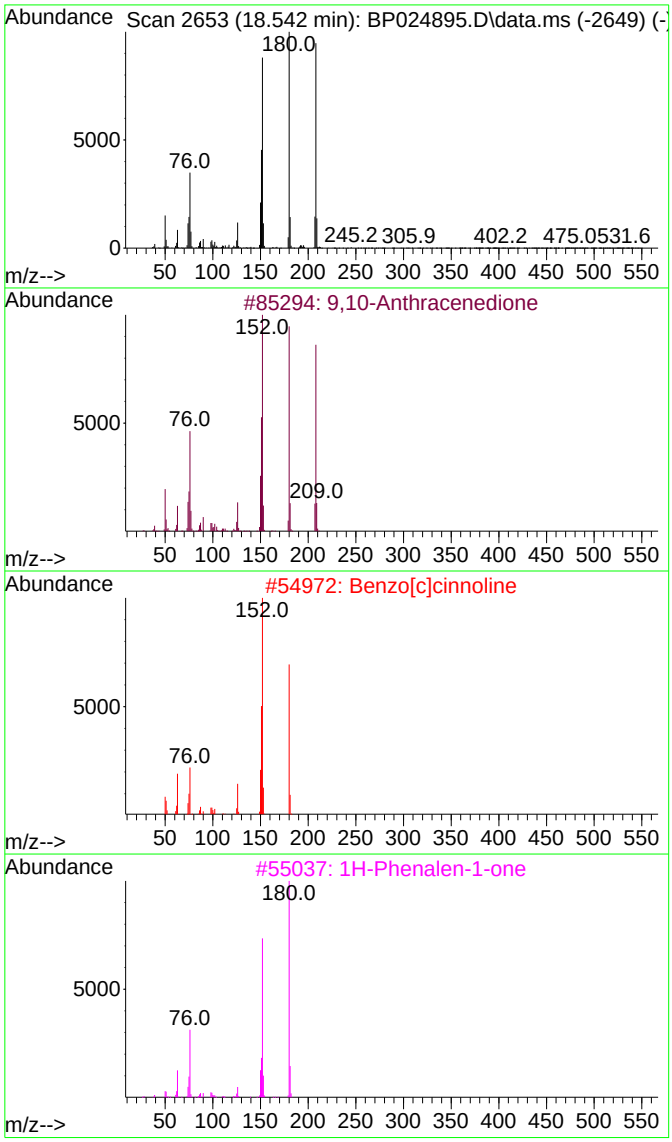
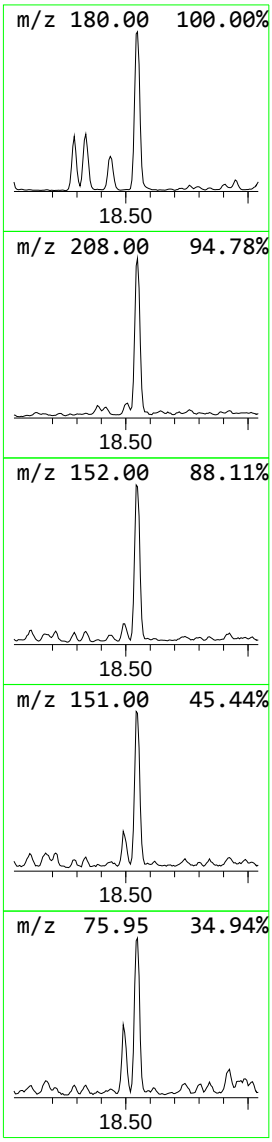
Peak Number 15 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.542	10.52 ng	1680540	Phenanthrene-d10	17.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53





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ALS Vial : 9 Sample Multiplier: 1

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

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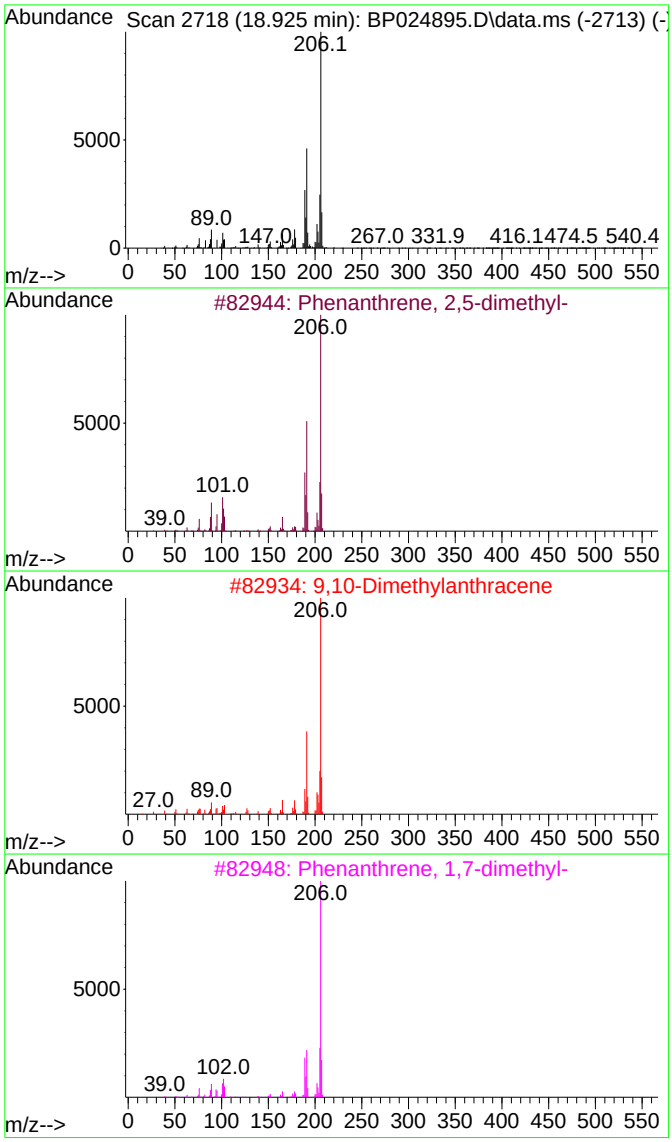
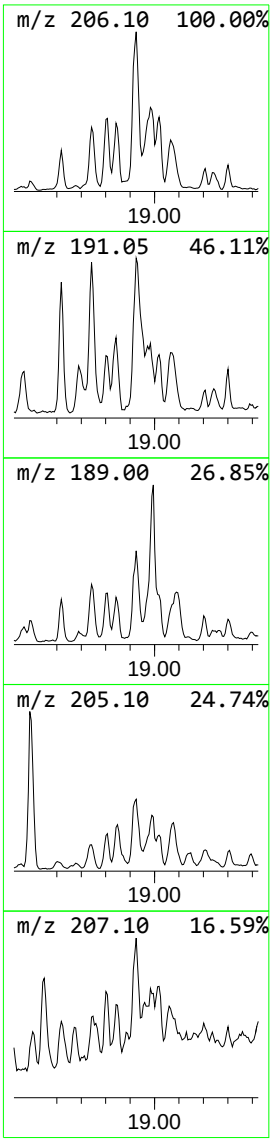
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.925	8.84 ng	1411820	Phenanthrene-d10	17.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91





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Acq On : 10 Jun 2025 15:46
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

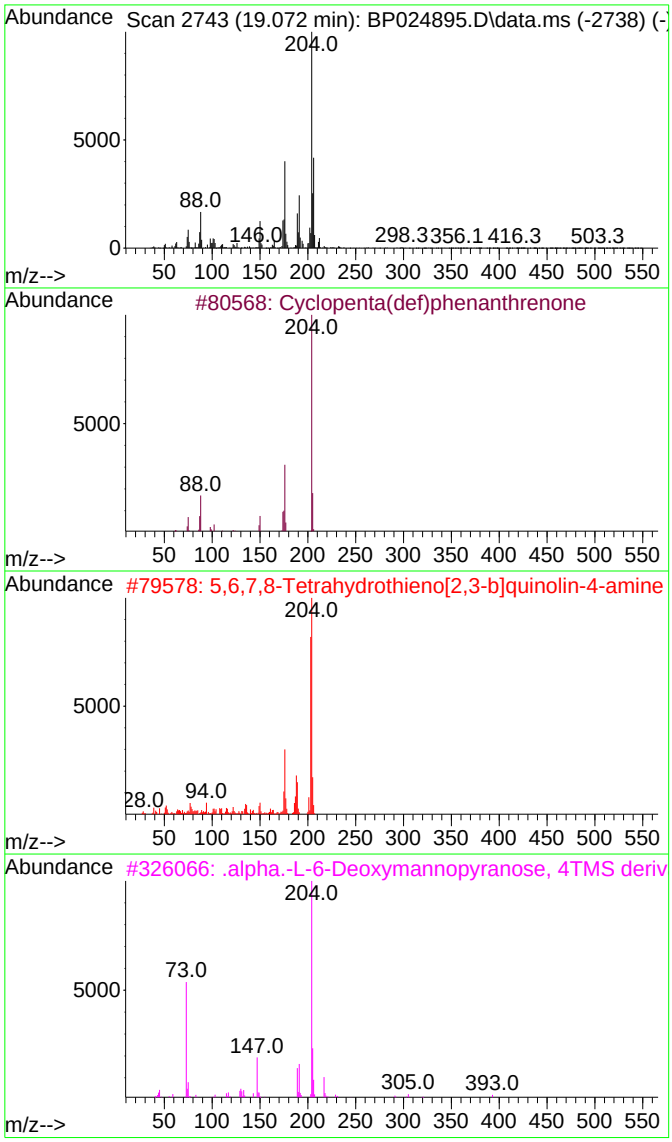
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

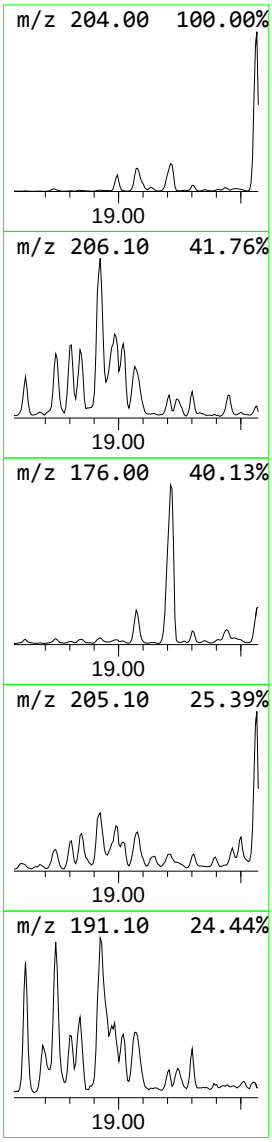
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.072	9.39 ng	1500260	Phenanthrene-d10	17.072

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	50
3	.alpha.-L-6-Deoxymannopyranose, ...	452	C18H44O5Si4	055057-21-1	47
4	Pyrimidine, 4-chloro-6-(4-methyl...	204	C11H9ClN2	1000380-55-8	47
5	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.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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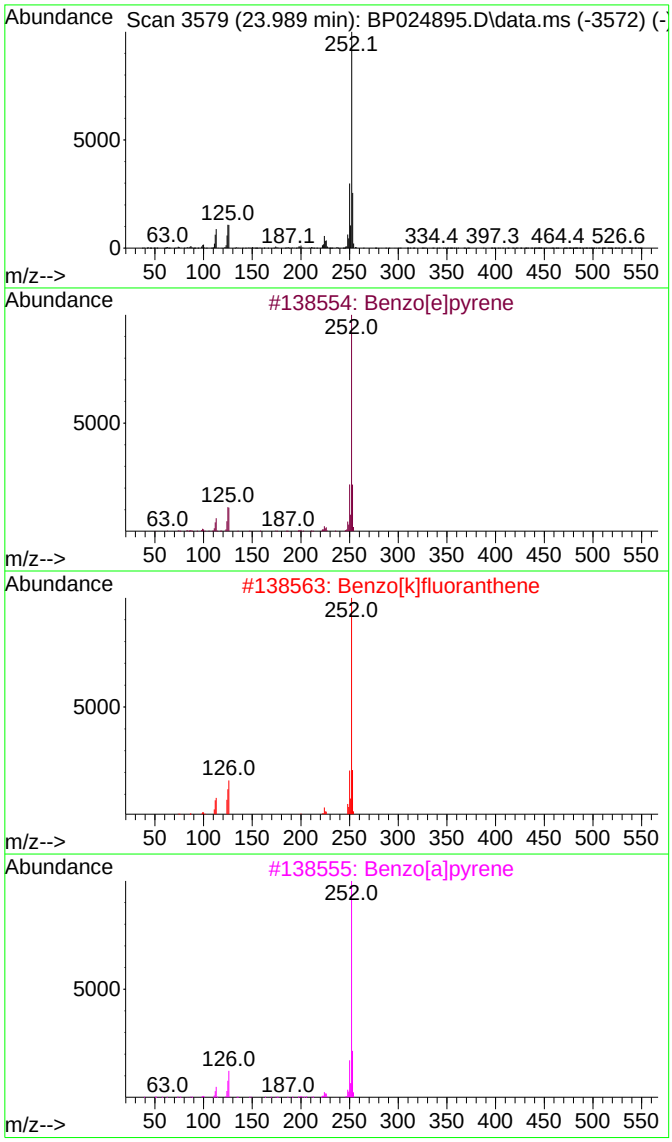
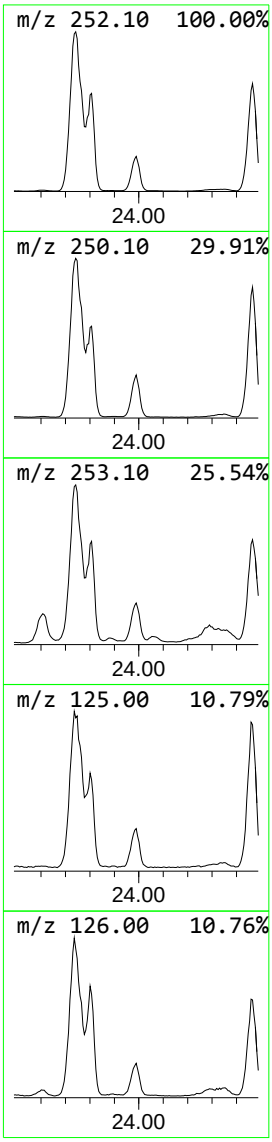
Peak Number 18 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.989	19.34 ng	3340090	Perylene-d12	24.760

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	95
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.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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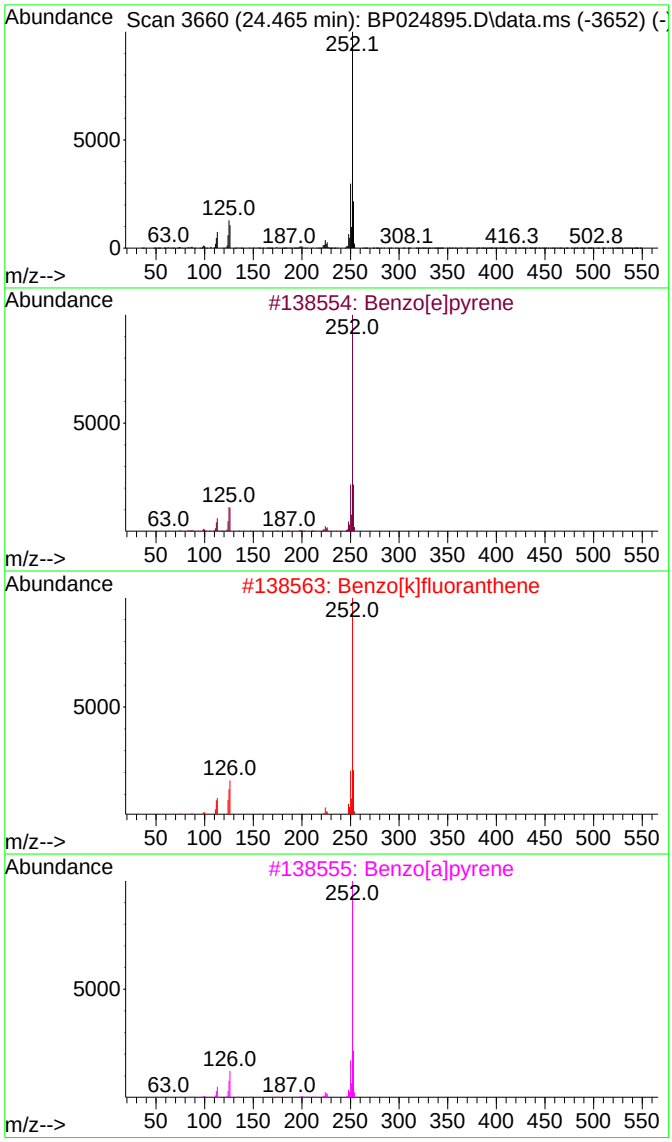
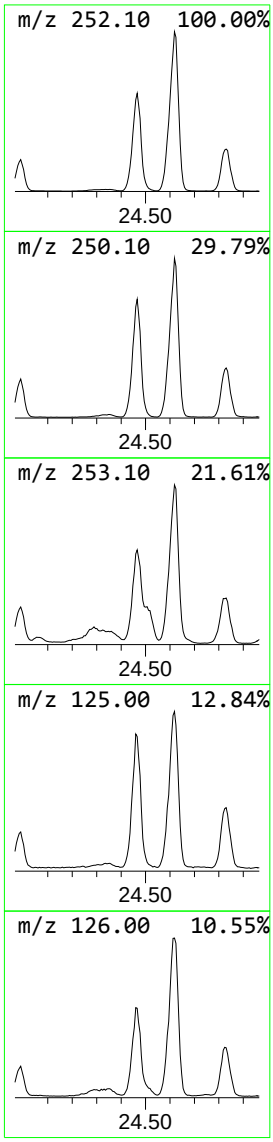
Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.465	74.53 ng	12871300	Perylene-d12	24.760

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	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	97
4	Perylene	252	C20H12	000198-55-0	96
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.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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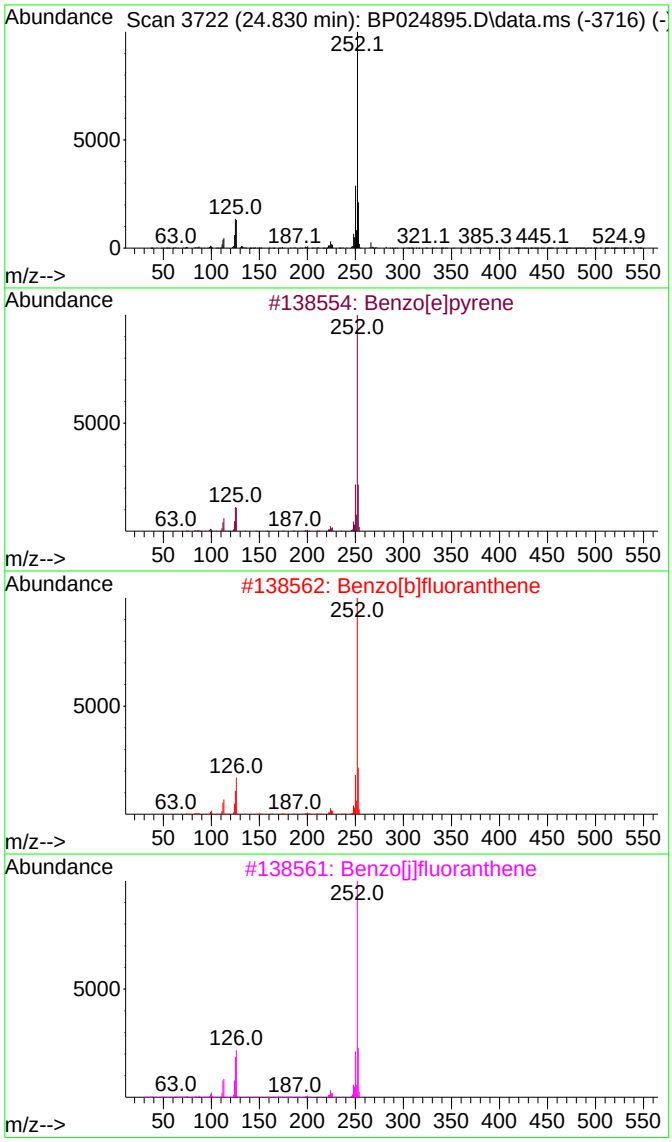
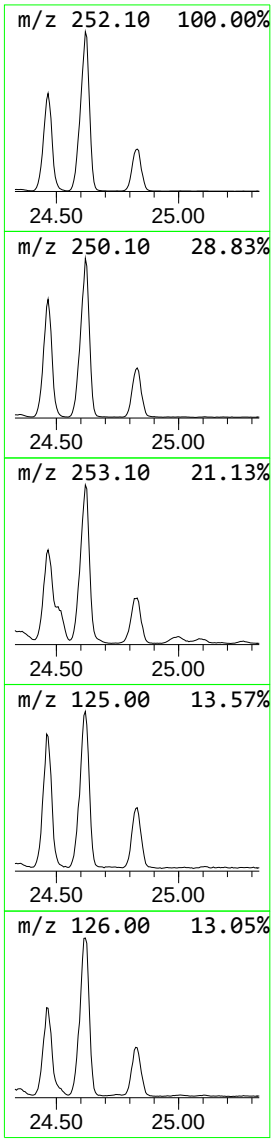
Peak Number 20 Benzo[j]fluoranthene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.830	35.54 ng	6137460	Perylene-d12	24.760

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	96
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	96
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
5	Perylene	252	C20H12	000198-55-0	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061025\
Data File : BP024895.D
Acq On : 10 Jun 2025 15:46
Operator : RC/JU
Sample : Q2177-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-187-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.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
2-Pentanone, 4-...	4.772	6.4	ng	482252	1	7.607	1513180	20.0
Tridecane	11.807	11.3	ng	1568240	2	10.378	2781540	20.0
Benzophenone	15.642	15.9	ng	2438830	3	14.260	3065670	20.0
9H-Fluorene, 2-...	16.354	9.6	ng	1538440	4	17.072	3193750	20.0
9H-Fluoren-9-one	16.719	6.3	ng	1006050	4	17.072	3193750	20.0
Dibenzothiophene	16.878	16.6	ng	2658370	4	17.072	3193750	20.0
Acridine	17.272	6.9	ng	1095870	4	17.072	3193750	20.0
Dibenzo[a,e]cyc...	17.601	7.1	ng	1139990	4	17.072	3193750	20.0
Phenanthrene, 2...	17.966	20.5	ng	3271280	4	17.072	3193750	20.0
Phenanthrene, 1...	18.013	34.0	ng	5433460	4	17.072	3193750	20.0
1H-Cyclopropa[l...	18.107	12.8	ng	2040170	4	17.072	3193750	20.0
4H-Cyclopenta[d...	18.172	43.9	ng	7012350	4	17.072	3193750	20.0
Phenanthrene, 4...	18.213	10.8	ng	1720790	4	17.072	3193750	20.0
Naphthalene, 2-...	18.489	18.9	ng	3025890	4	17.072	3193750	20.0
9,10-Anthracene...	18.542	10.5	ng	1680540	4	17.072	3193750	20.0
Phenanthrene, 2...	18.925	8.8	ng	1411820	4	17.072	3193750	20.0
Cyclopenta(def)...	19.072	9.4	ng	1500260	4	17.072	3193750	20.0
Benzo[e]pyrene	23.989	19.3	ng	3340090	6	24.760	3453800	20.0
Perylene	24.465	74.5	ng	12871300	6	24.760	3453800	20.0
Benzo[j]fluoran...	24.830	35.5	ng	6137460	6	24.760	3453800	20.0