LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061725\
Data File : BP024985.D
Acq On : 17 Jun 2025 21:31
Operator : RC/JU
Sample : Q2338-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-03-061625

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: BP024985.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.249	387	393	409	rBV	264674	554419	10.61%	1.131%
2	6.837	657	663	680	rBV	216043	547908	10.48%	1.118%
3	7.607	787	794	808	rBV	1028255	1700806	32.54%	3.470%
4	8.772	983	992	1006	rBV	138477	340404	6.51%	0.694%
5	10.378	1257	1265	1280	rBV	1374956	2371016	45.36%	4.837%
6	12.860	1679	1687	1695	rBV	535472	851437	16.29%	1.737%
7	13.407	1776	1780	1790	rBV4	23012	61645	1.18%	0.126%
8	13.566	1801	1807	1812	rBV	57905	104840	2.01%	0.214%
9	13.707	1826	1831	1838	rBV2	47848	99794	1.91%	0.204%
10	13.972	1870	1876	1889	rBV	254330	442610	8.47%	0.903%
11	14.072	1889	1893	1899	rVB5	39193	52592	1.01%	0.107%
12	14.248	1917	1923	1930	rBV	2170325	2971115	56.84%	6.061%
13	14.472	1956	1961	1968	rVB2	29391	69132	1.32%	0.141%
14	14.660	1987	1993	1999	rVB3	72085	124559	2.38%	0.254%
15	14.736	2001	2006	2012	rVB	101393	140173	2.68%	0.286%
16	14.878	2024	2030	2035	rBV3	100580	193609	3.70%	0.395%
17	14.936	2035	2040	2044	rVB	52742	77955	1.49%	0.159%
18	15.060	2053	2061	2064	rBV5	71290	163672	3.13%	0.334%
19	15.148	2072	2076	2082	rVB	56502	84387	1.61%	0.172%
20	15.325	2100	2106	2108	rBV3	45985	87599	1.68%	0.179%
21	15.531	2137	2141	2149	rVB2	66199	123468	2.36%	0.252%
22	15.642	2156	2160	2173	rVB3	108453	228172	4.37%	0.465%
23	15.778	2179	2183	2190	rVV	431719	662703	12.68%	1.352%
24	16.013	2218	2223	2233	rVB6	112626	248149	4.75%	0.506%
25	16.154	2243	2247	2251	rBV	62828	99871	1.91%	0.204%
26	16.348	2274	2280	2284	rBV3	87186	178118	3.41%	0.363%
27	16.401	2286	2289	2294	rVB2	79814	123071	2.35%	0.251%
28	16.501	2303	2306	2311	rVB2	66562	99928	1.91%	0.204%
29	16.630	2325	2328	2333	rVB3	48405	57677	1.10%	0.118%
30	16.725	2341	2344	2349	rVB3	44763	60777	1.16%	0.124%
31	16.813	2357	2359	2365	rVV	46543	56795	1.09%	0.116%
32	16.872	2366	2369	2379	rVB2	110392	215138	4.12%	0.439%
33	17.066	2396	2402	2406	rBV2	2188856	3375149	64.57%	6.886%
34	17.113	2406	2410	2415	rVB	845161	1183486	22.64%	2.414%
35	17.201	2421	2425	2431	rBV	365656	505258	9.67%	1.031%
36	17.266	2431	2436	2441	rVB4	83473	171633	3.28%	0.350%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061725\
Data File : BP024985.D
Acq On : 17 Jun 2025 21:31
Operator : RC/JU
Sample : Q2338-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-03-061625

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	17.666	2500	2504	2513	rVB2	138867	253090	4.84%	0.516%
38	17.972	2552	2556	2560	rBV	488071	728504	13.94%	1.486%
39	18.025	2560	2565	2571	rVB	693008	1081832	20.70%	2.207%
40	18.107	2575	2579	2584	rVV	231894	359733	6.88%	0.734%
41	18.166	2584	2589	2594	rVV3	728292	1342462	25.68%	2.739%
42	18.213	2594	2597	2608	rVB	405035	649711	12.43%	1.325%
43	18.301	2609	2612	2616	rBV5	66324	102594	1.96%	0.209%
44	18.389	2623	2627	2631	rBV2	106028	140066	2.68%	0.286%
45	18.489	2640	2644	2648	rBV2	207105	300587	5.75%	0.613%
46	18.548	2652	2654	2663	rVB	148487	236768	4.53%	0.483%
47	18.719	2680	2683	2686	rBV2	123690	195062	3.73%	0.398%
48	18.748	2686	2688	2692	rVV	157619	173833	3.33%	0.355%
49	18.801	2694	2697	2700	rVB	293799	313276	5.99%	0.639%
50	18.930	2714	2719	2723	rBV	678429	1052873	20.14%	2.148%
51	18.989	2723	2729	2733	rVV4	340089	728109	13.93%	1.485%
52	19.024	2733	2735	2739	rVB	198331	205276	3.93%	0.419%
53	19.083	2739	2745	2751	rBV3	282345	656119	12.55%	1.339%
54	19.195	2759	2764	2772	rBV	1870457	2829470	54.13%	5.772%
55	19.301	2780	2782	2786	rVB2	147083	167908	3.21%	0.343%
56	19.360	2790	2792	2797	rVB	176871	191052	3.66%	0.390%
57	19.572	2821	2828	2839	rVV	2438000	4003184	76.59%	8.167%
58	19.660	2840	2843	2848	rVB2	311433	463986	8.88%	0.947%
59	19.789	2861	2865	2869	rBV	916960	1232408	23.58%	2.514%
60	19.919	2884	2887	2888	rBV3	211260	229439	4.39%	0.468%
61	20.207	2932	2936	2939	rBV	231171	357020	6.83%	0.728%
62	20.266	2942	2946	2951	rVB	479674	709919	13.58%	1.448%
63	20.407	2967	2970	2974	rBV	480409	447965	8.57%	0.914%
64	20.448	2974	2977	2981	rBV	407373	490051	9.38%	1.000%
65	21.489	3147	3154	3159	rBV2	2357712	5226774	100.00%	10.663%
66	21.542	3160	3163	3176	rVB	998337	1883635	36.04%	3.843%
67	24.771	3707	3712	3721	rVB	1640349	3835479	73.38%	7.825%

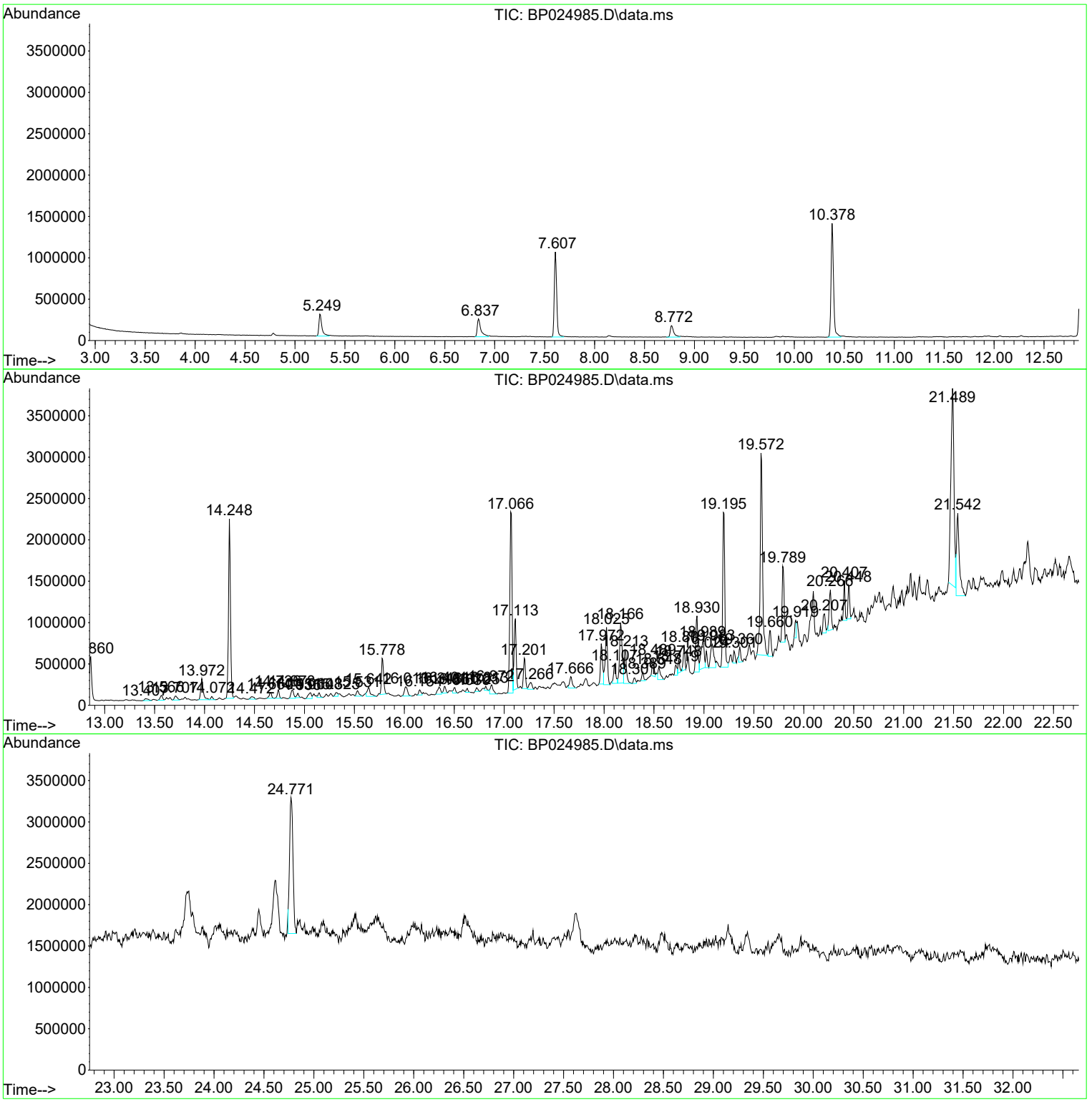
Sum of corrected areas: 49017250

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061725\
Data File : BP024985.D
Acq On : 17 Jun 2025 21:31
Operator : RC/JU
Sample : Q2338-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-03-061625

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\BP061725\
Data File : BP024985.D
Acq On : 17 Jun 2025 21:31
Operator : RC/JU
Sample : Q2338-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-03-061625

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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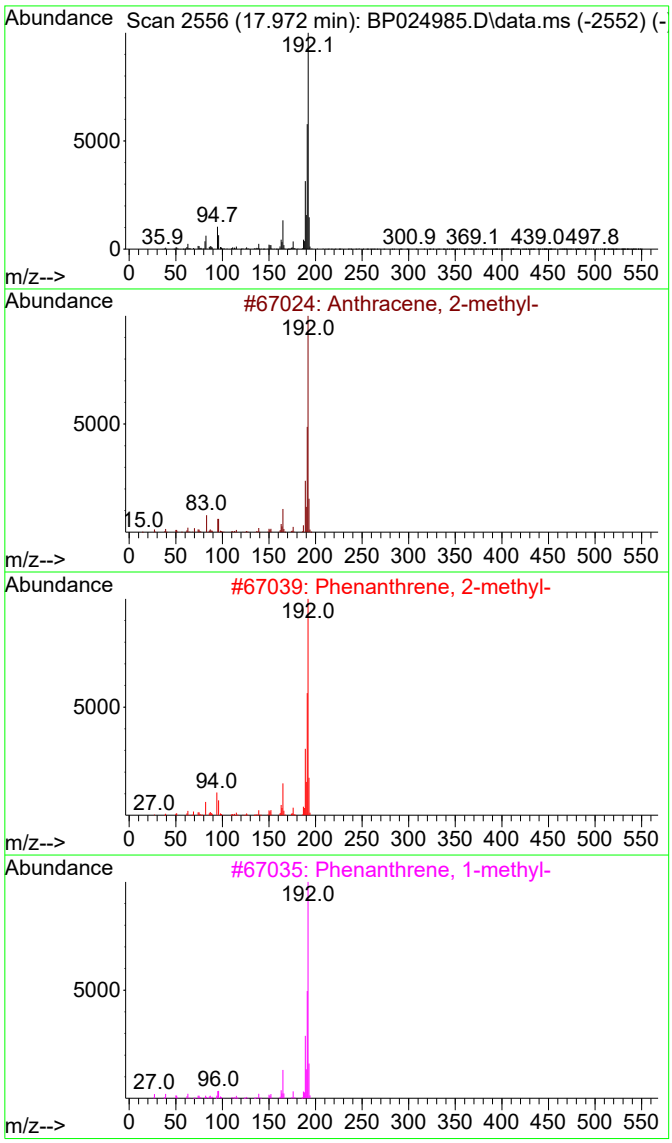
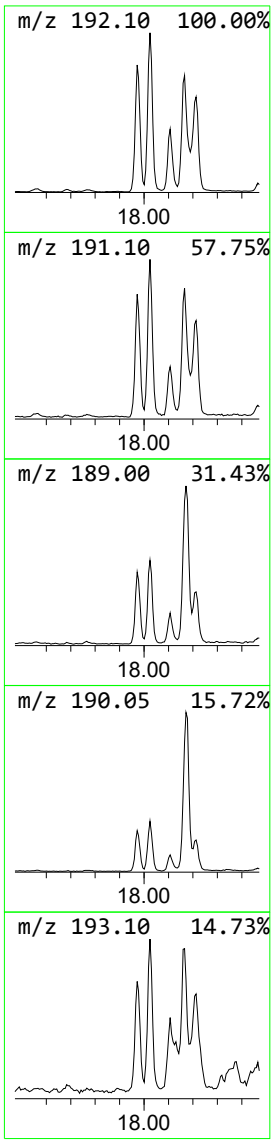
Peak Number 1 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.972	4.32 ng	728504	Phenanthrene-d10	17.066

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061725\
Data File : BP024985.D
Acq On : 17 Jun 2025 21:31
Operator : RC/JU
Sample : Q2338-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-03-061625

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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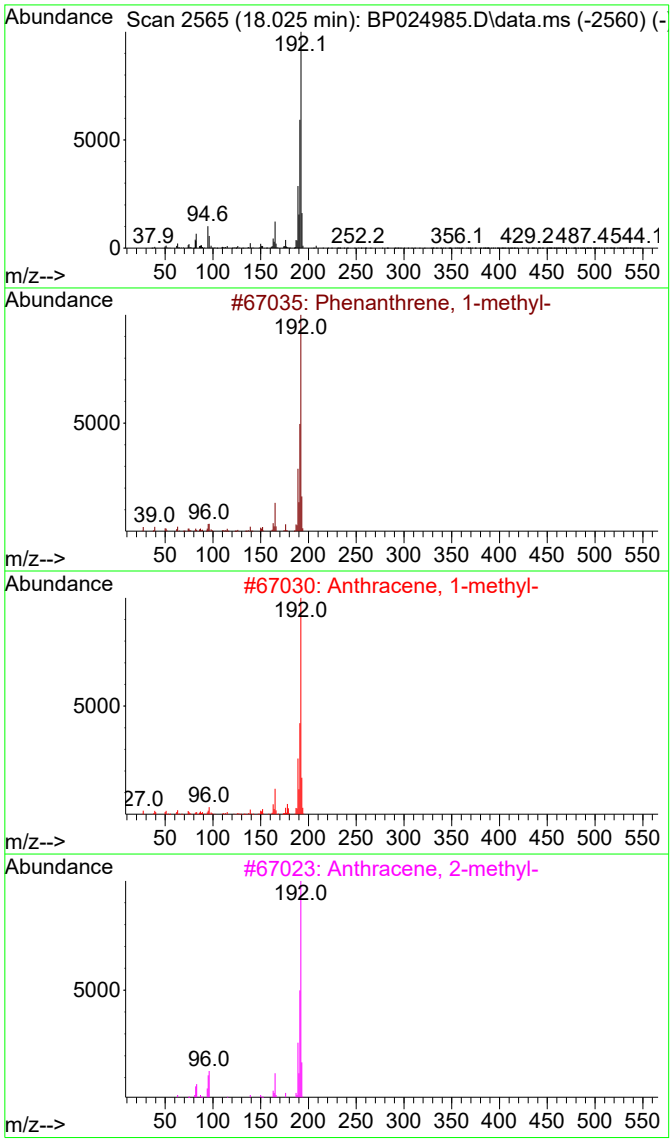
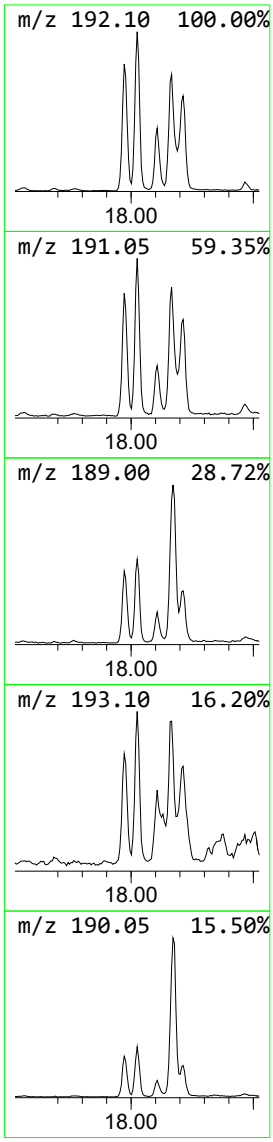
Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.025	6.41 ng	1081830	Phenanthrene-d10	17.066

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061725\
Data File : BP024985.D
Acq On : 17 Jun 2025 21:31
Operator : RC/JU
Sample : Q2338-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-03-061625

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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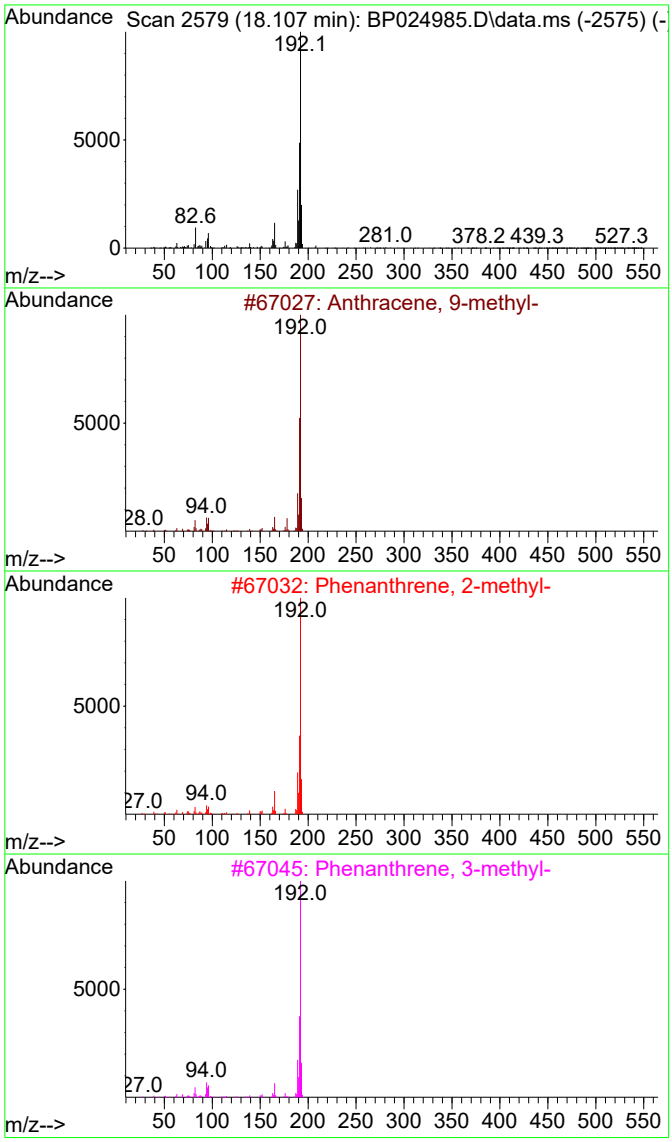
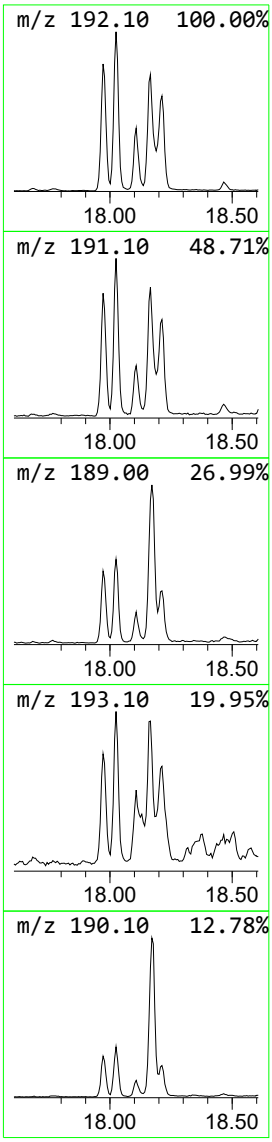
Peak Number 3 Anthracene, 9-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.107	2.13 ng	359733	Phenanthrene-d10	17.066

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061725\
Data File : BP024985.D
Acq On : 17 Jun 2025 21:31
Operator : RC/JU
Sample : Q2338-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-03-061625

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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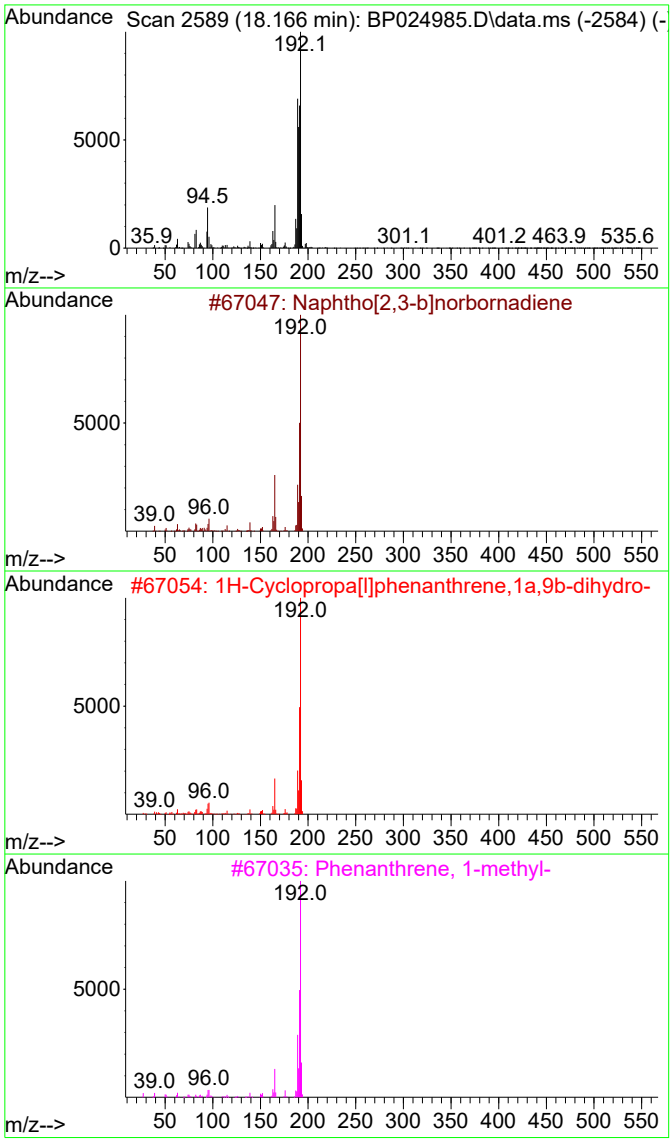
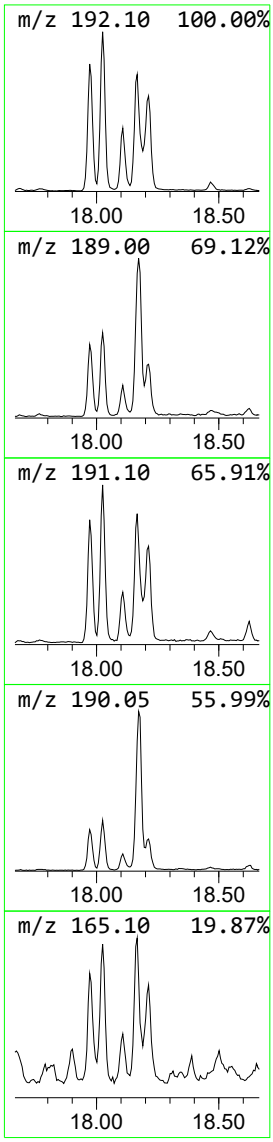
Peak Number 4 Naphtho[2,3-b]norbornadiene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.166	7.95 ng	1342460	Phenanthrene-d10	17.066

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	60
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	60
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	55
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	55
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061725\
Data File : BP024985.D
Acq On : 17 Jun 2025 21:31
Operator : RC/JU
Sample : Q2338-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-03-061625

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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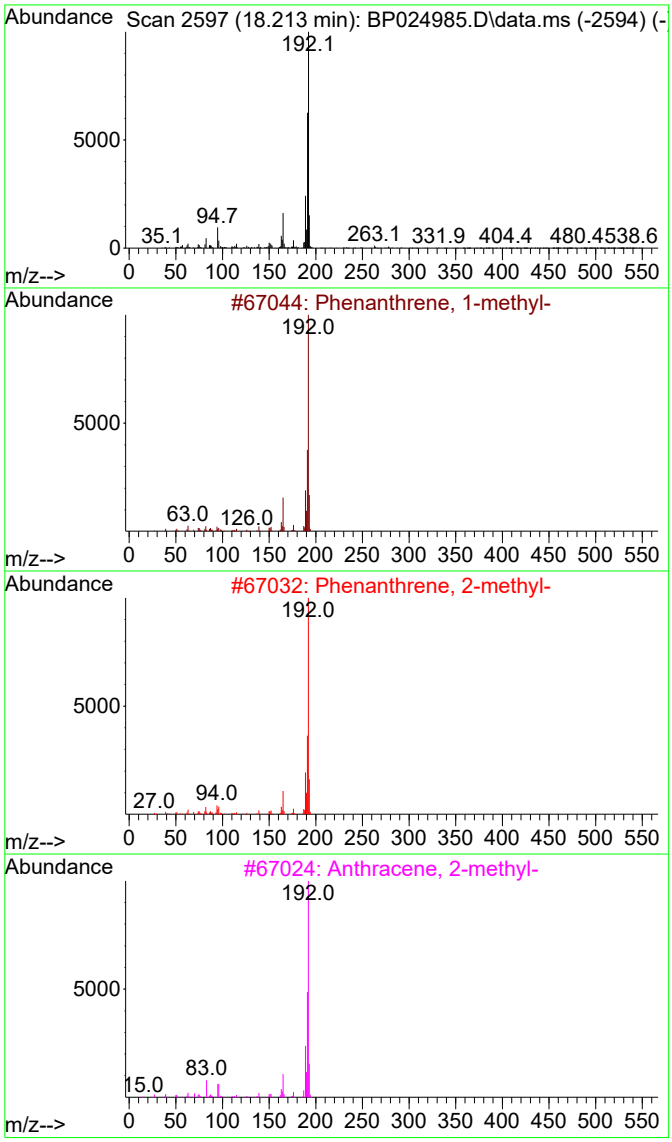
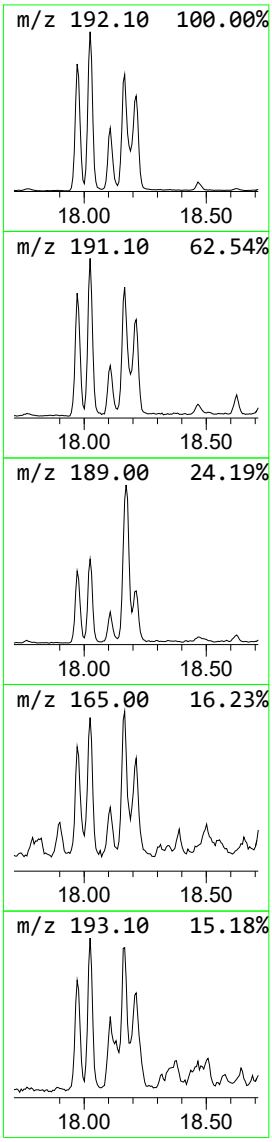
Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.213	3.85 ng	649711	Phenanthrene-d10	17.066

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061725\
Data File : BP024985.D
Acq On : 17 Jun 2025 21:31
Operator : RC/JU
Sample : Q2338-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-03-061625

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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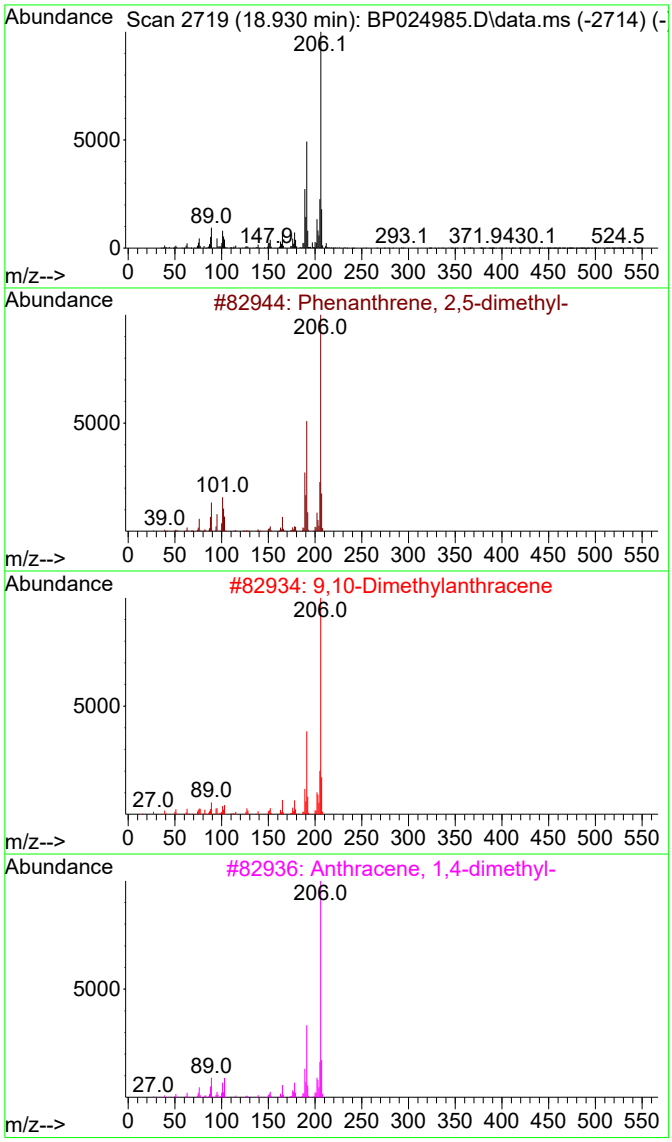
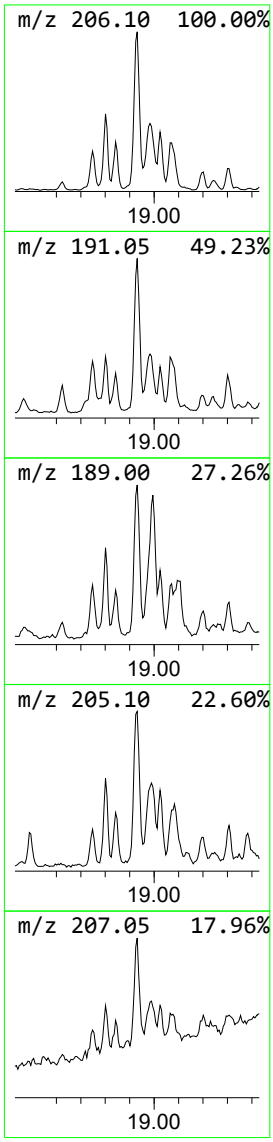
Peak Number 6 Phenanthrene, 2,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.930	6.24 ng	1052870	Phenanthrene-d10	17.066

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	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061725\
Data File : BP024985.D
Acq On : 17 Jun 2025 21:31
Operator : RC/JU
Sample : Q2338-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-03-061625

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

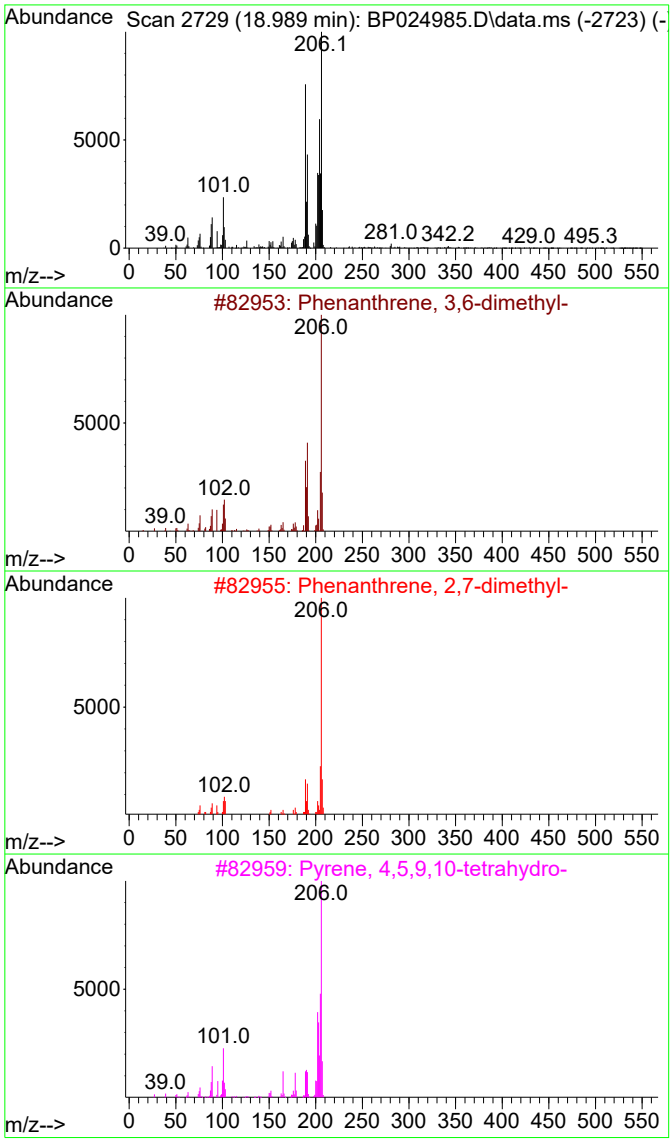
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

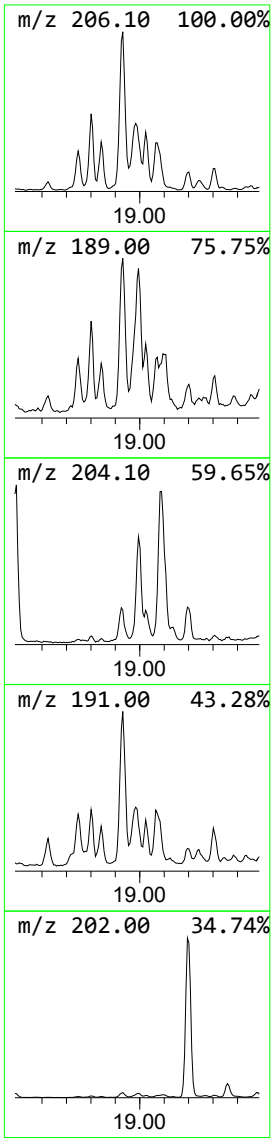
****

Peak Number 7 Phenanthrene, 3,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.989	4.31 ng	728109	Phenanthrene-d10	17.066

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	70
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	68
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	55
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	50
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	45





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Data File : BP024985.D
Acq On : 17 Jun 2025 21:31
Operator : RC/JU
Sample : Q2338-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-03-061625

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

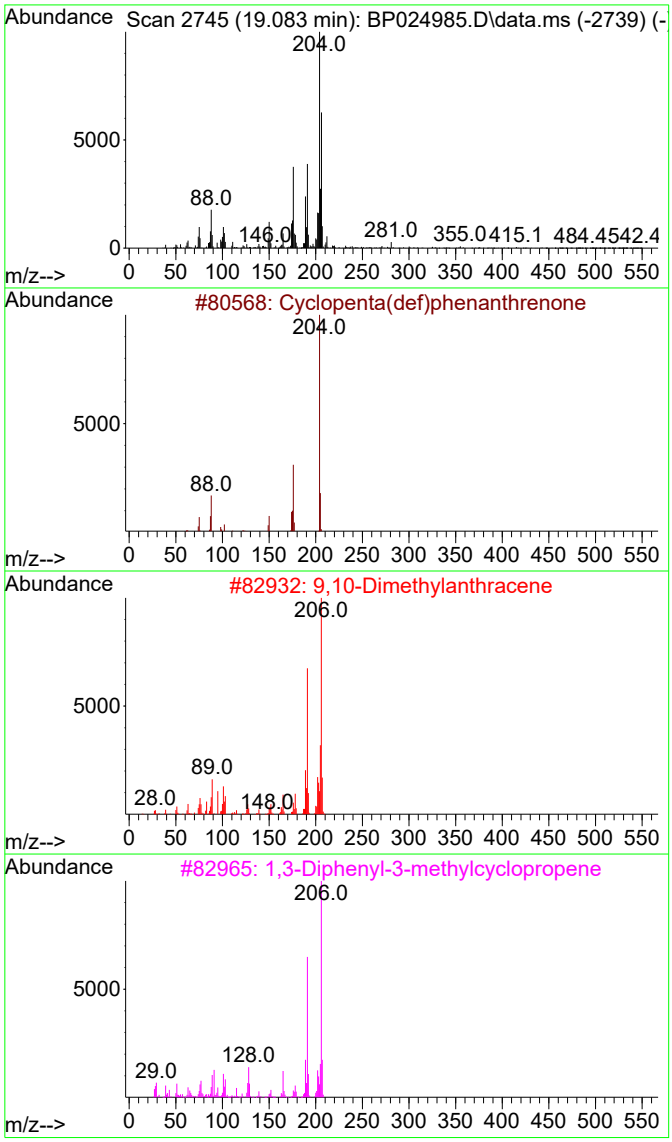
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

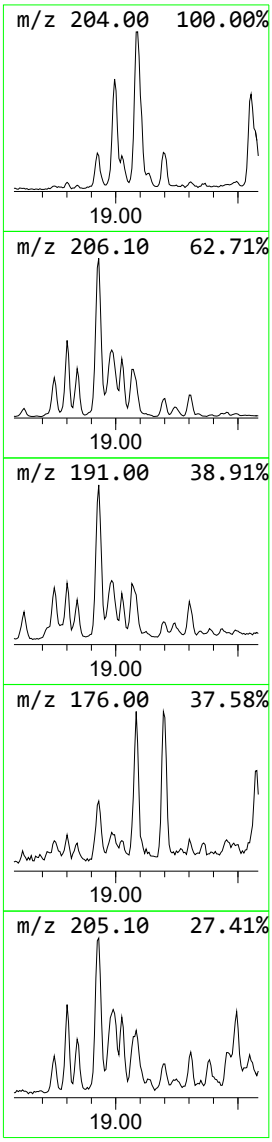
****

Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.083	3.89 ng	656119	Phenanthrene-d10	17.066

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	83
4	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	50
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061725\
Data File : BP024985.D
Acq On : 17 Jun 2025 21:31
Operator : RC/JU
Sample : Q2338-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-03-061625

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

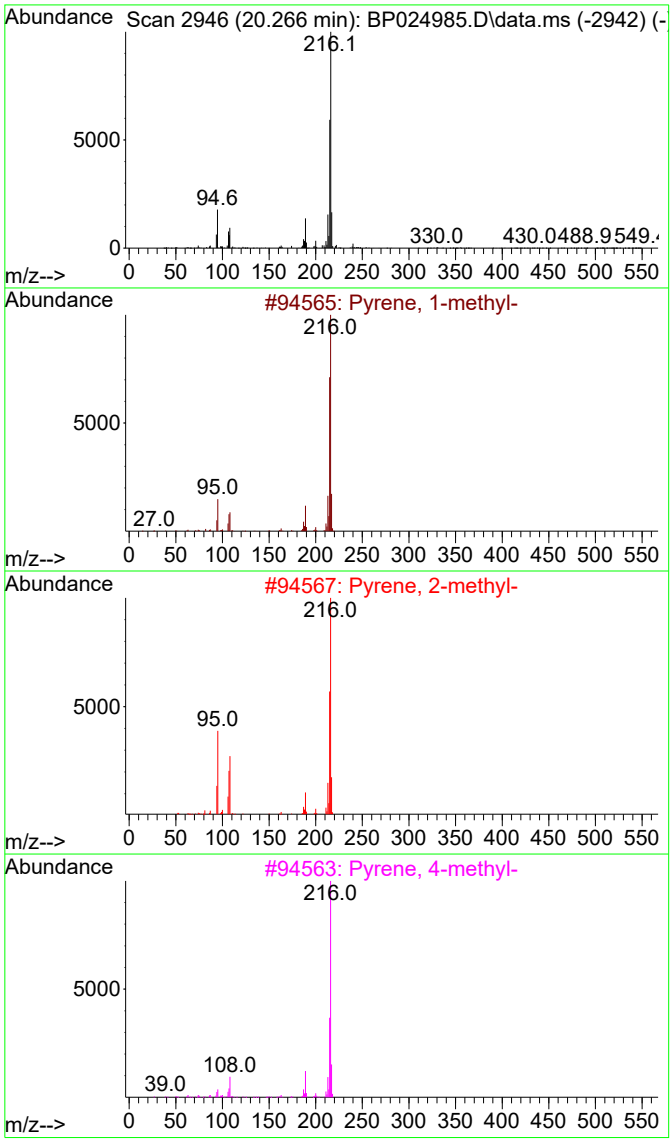
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

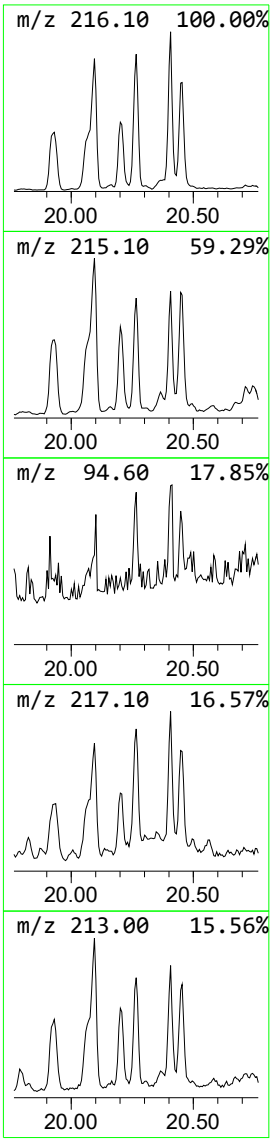
****

Peak Number 9 Pyrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.266	2.72 ng	709919	Chrysene-d12	21.489

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061725\
Data File : BP024985.D
Acq On : 17 Jun 2025 21:31
Operator : RC/JU
Sample : Q2338-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-03-061625

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
Anthracene, 2-m...	17.972	4.3	ng	728504	4	17.066	3375150	20.0
Phenanthrene, 1...	18.025	6.4	ng	1081830	4	17.066	3375150	20.0
Anthracene, 9-m...	18.107	2.1	ng	359733	4	17.066	3375150	20.0
Naphtho[2,3-b]n...	18.166	8.0	ng	1342460	4	17.066	3375150	20.0
Phenanthrene, 2...	18.213	3.9	ng	649711	4	17.066	3375150	20.0
Phenanthrene, 2...	18.930	6.2	ng	1052870	4	17.066	3375150	20.0
Phenanthrene, 3...	18.989	4.3	ng	728109	4	17.066	3375150	20.0
Cyclopenta(def)...	19.083	3.9	ng	656119	4	17.066	3375150	20.0
Pyrene, 1-methyl-	20.266	2.7	ng	709919	5	21.489	5226770	20.0