LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092925\
Data File : BP025888.D
Acq On : 29 Sep 2025 19:52
Operator : CG/JU
Sample : Q3221-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
HD-01-092625

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-BP091225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP025888.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.014	9	13	19	rVB	239286	317130	6.83%	0.778%
2	5.384	410	416	432	rBV	269509	511720	11.02%	1.256%
3	6.961	678	684	699	rBV	170345	421622	9.08%	1.035%
4	7.743	809	817	834	rBV	770071	1284680	27.66%	3.153%
5	8.902	1007	1014	1030	rBV	121484	287931	6.20%	0.707%
6	10.513	1275	1288	1305	rBV	823334	1722294	37.08%	4.226%
7	12.972	1700	1706	1717	rBV	303336	588109	12.66%	1.443%
8	14.084	1888	1895	1902	rBV	35735	79934	1.72%	0.196%
9	14.366	1934	1943	1950	rBV	1162012	1919641	41.33%	4.711%
10	14.431	1950	1954	1963	rVB	143999	235042	5.06%	0.577%
11	14.778	2008	2013	2021	rBV	68624	116047	2.50%	0.285%
12	15.437	2119	2125	2136	rBV	163314	299311	6.44%	0.735%
13	15.743	2171	2177	2188	rVB3	48154	105493	2.27%	0.259%
14	15.895	2197	2203	2214	rBV2	274578	510616	10.99%	1.253%
15	16.125	2236	2242	2250	rVB8	29945	76112	1.64%	0.187%
16	16.831	2358	2362	2368	rVB4	29689	52751	1.14%	0.129%
17	16.990	2385	2389	2399	rVB	108930	183302	3.95%	0.450%
18	17.178	2414	2421	2424	rBV	1294581	1991496	42.88%	4.887%
19	17.225	2424	2429	2435	rVV	1794677	2689201	57.90%	6.599%
20	17.313	2439	2444	2450	rVB	509835	730800	15.73%	1.793%
21	17.601	2489	2493	2501	rVB	107937	187788	4.04%	0.461%
22	18.078	2569	2574	2576	rBV	184551	283918	6.11%	0.697%
23	18.107	2576	2579	2580	rVV	264754	335234	7.22%	0.823%
24	18.125	2580	2582	2589	rVB	285200	431582	9.29%	1.059%
25	18.219	2594	2598	2603	rBV	98342	131666	2.83%	0.323%
26	18.278	2603	2608	2612	rBV2	407159	656487	14.13%	1.611%
27	18.601	2659	2663	2667	rVB	129838	162064	3.49%	0.398%
28	18.648	2667	2671	2680	rBV2	103492	181710	3.91%	0.446%
29	18.854	2703	2706	2711	rBV2	50692	70305	1.51%	0.173%
30	18.907	2712	2715	2718	rBV	83510	110325	2.38%	0.271%
31	19.019	2731	2734	2739	rVB2	137239	201227	4.33%	0.494%
32	19.189	2758	2763	2766	rBV3	81394	169017	3.64%	0.415%
33	19.307	2777	2783	2789	rBV	3559462	4644485	100.00%	11.397%
34	19.425	2800	2803	2812	rVB4	170758	371702	8.00%	0.912%
35	19.654	2837	2842	2843	rBV2	544408	785224	16.91%	1.927%
36	19.683	2843	2847	2855	rVB	2618297	3843489	82.75%	9.432%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092925\
Data File : BP025888.D
Acq On : 29 Sep 2025 19:52
Operator : CG/JU
Sample : Q3221-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
HD-01-092625

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-BP091225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	19.883	2876	2881	2887	rBV2	569147	847570	18.25%	2.080%
38	20.019	2900	2904	2909	rBV2	148763	333009	7.17%	0.817%
39	20.201	2932	2935	2940	rVB	439863	551177	11.87%	1.353%
40	20.301	2948	2952	2956	rBV	370518	486336	10.47%	1.193%
41	20.742	3024	3027	3029	rBV3	180268	246056	5.30%	0.604%
42	21.613	3168	3175	3181	rBV3	1959009	4610941	99.28%	11.315%
43	21.666	3181	3184	3190	rVB	1157021	1558865	33.56%	3.825%
44	21.819	3207	3210	3216	rVB	238056	371739	8.00%	0.912%
45	23.924	3563	3568	3575	rBV	488607	1276471	27.48%	3.132%
46	24.819	3715	3720	3729	rVB	744626	1597075	34.39%	3.919%
47	24.983	3741	3748	3755	rBV	814229	2181560	46.97%	5.353%

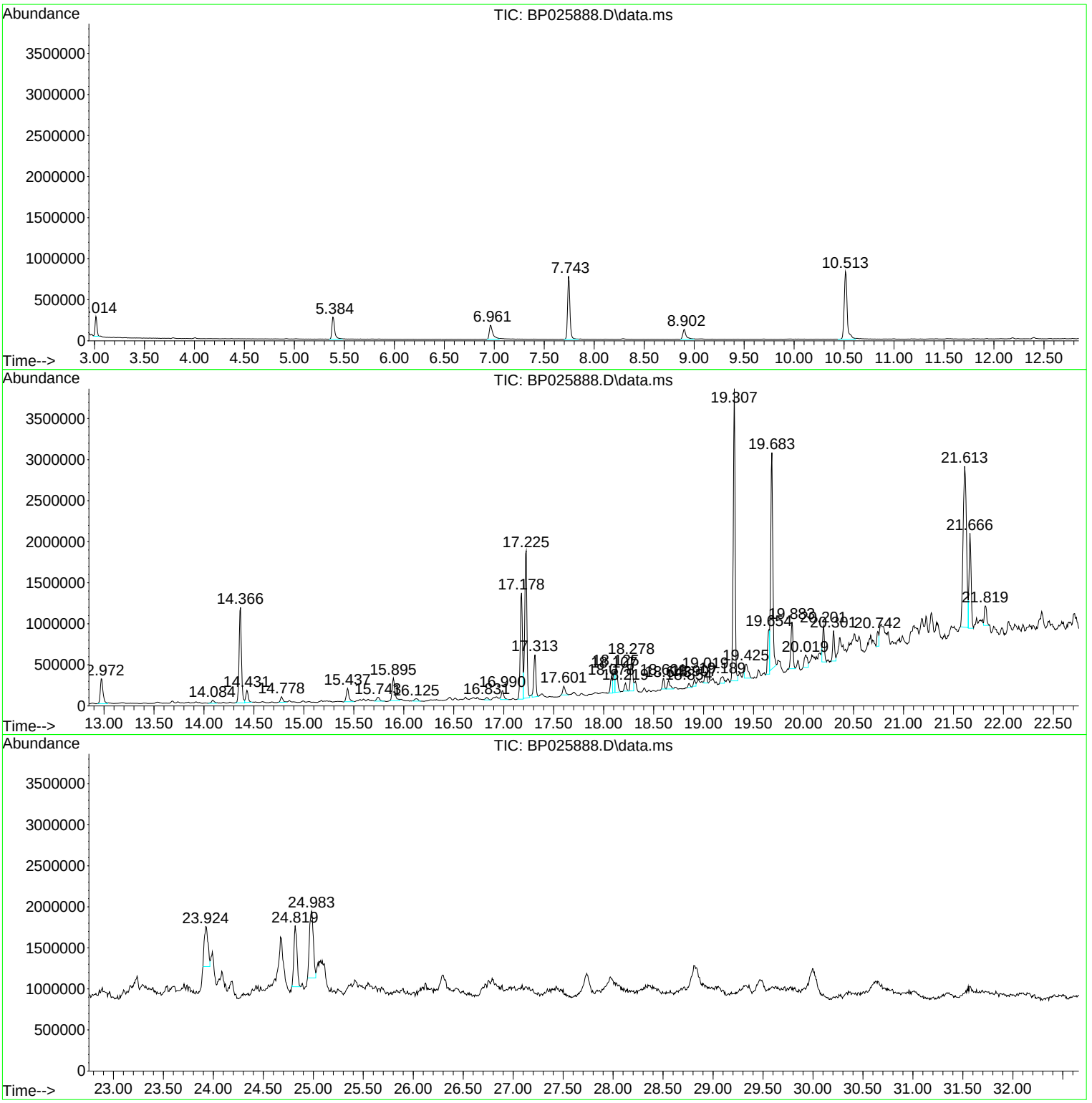
Sum of corrected areas: 40750254

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092925\
Data File : BP025888.D
Acq On : 29 Sep 2025 19:52
Operator : CG/JU
Sample : Q3221-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
HD-01-092625

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.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\BP092925\
Data File : BP025888.D
Acq On : 29 Sep 2025 19:52
Operator : CG/JU
Sample : Q3221-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
HD-01-092625

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

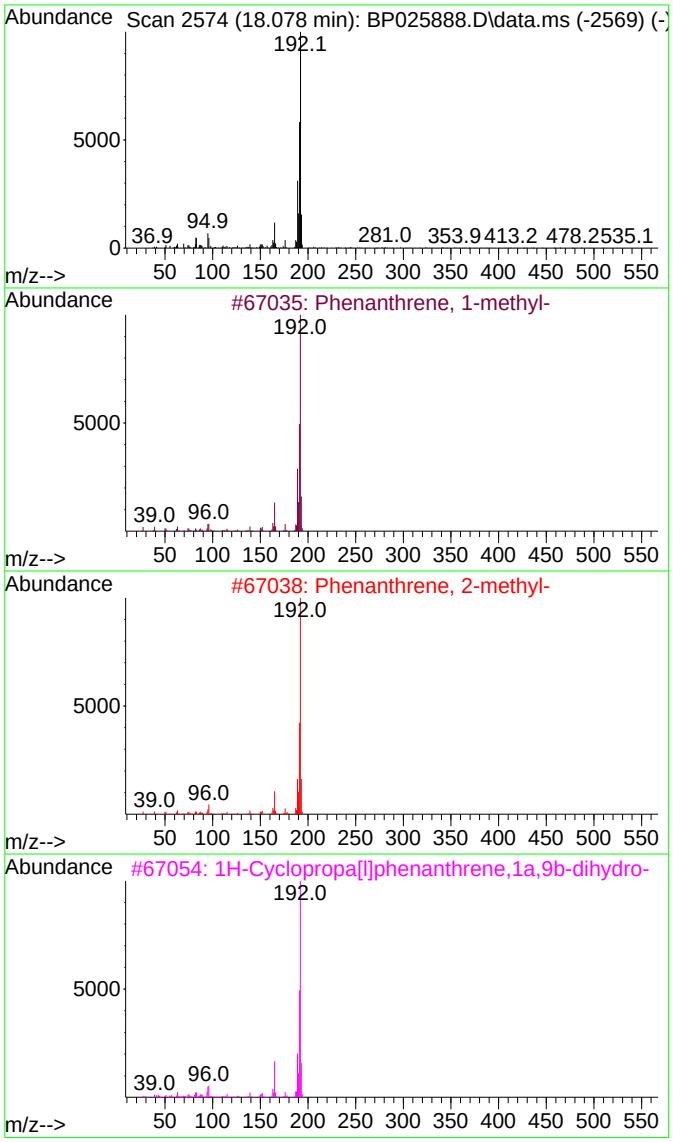
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

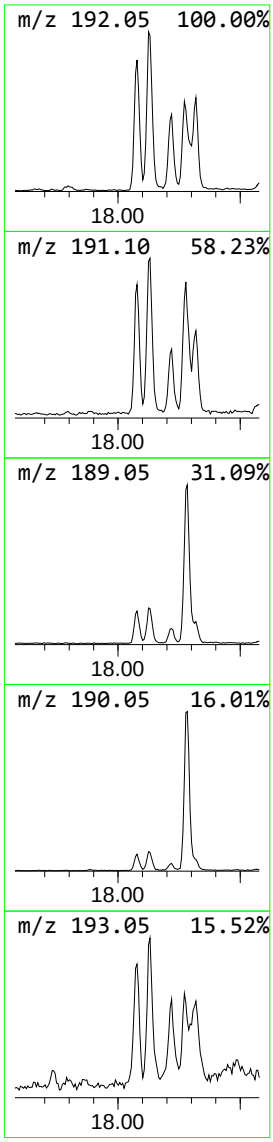
****

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.078	2.85 ng	283918	Phenanthrene-d10	17.178

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	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092925\
Data File : BP025888.D
Acq On : 29 Sep 2025 19:52
Operator : CG/JU
Sample : Q3221-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
HD-01-092625

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

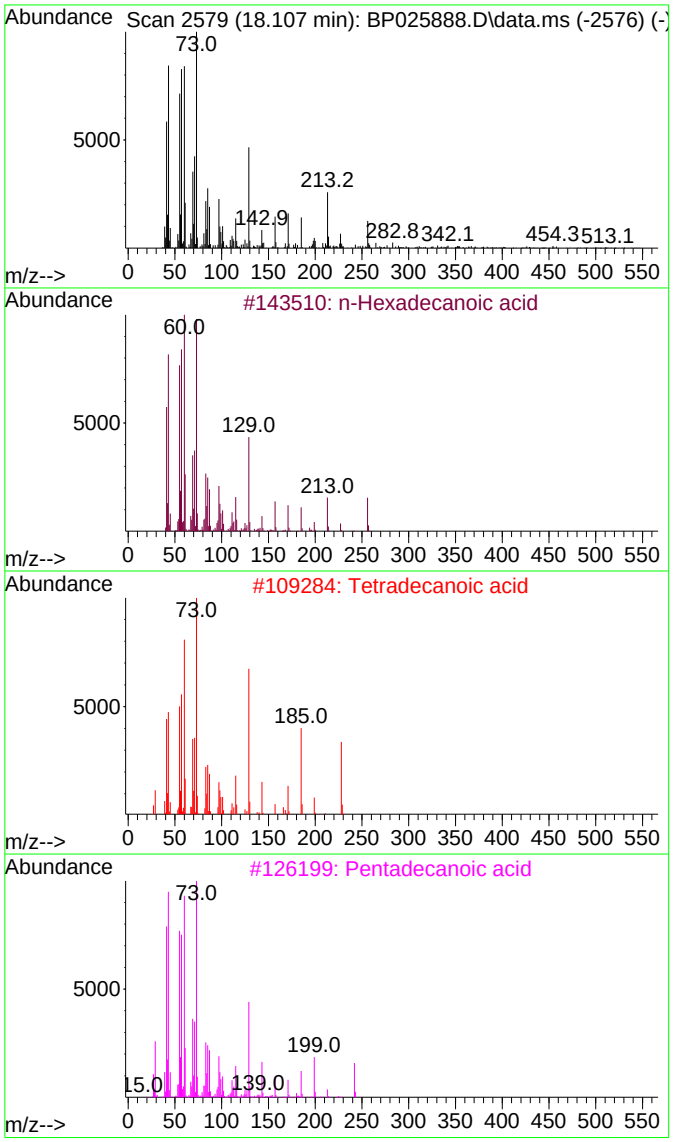
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

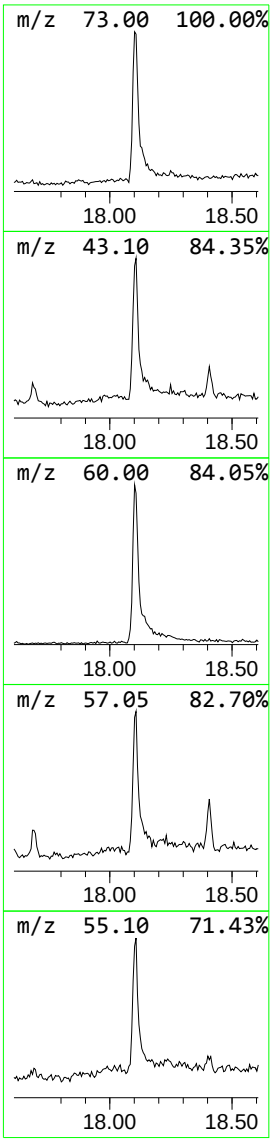
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.107	3.37 ng	335234	Phenanthrene-d10	17.178

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
4	Tridecanoic acid	214	C13H26O2	000638-53-9	70
5	n-Decanoic acid	172	C10H20O2	000334-48-5	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092925\
Data File : BP025888.D
Acq On : 29 Sep 2025 19:52
Operator : CG/JU
Sample : Q3221-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
HD-01-092625

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

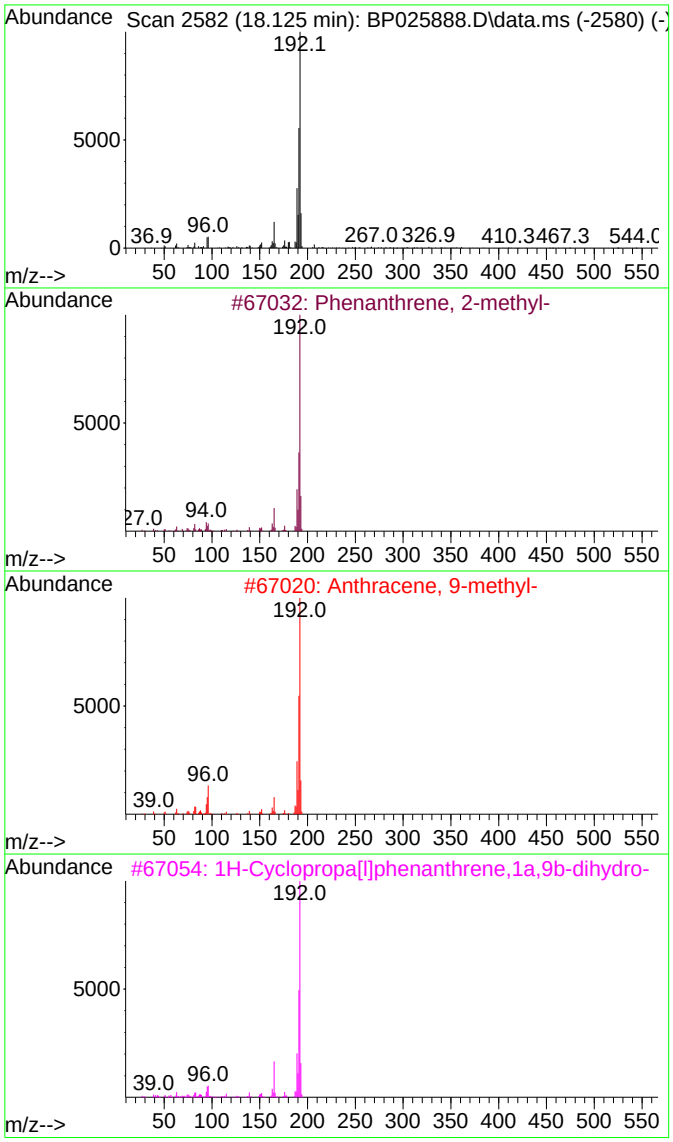
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

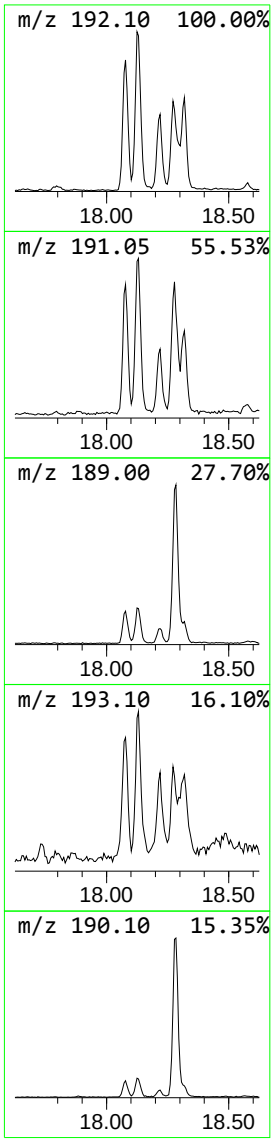
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.125	4.33 ng	431582	Phenanthrene-d10	17.178

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092925\
Data File : BP025888.D
Acq On : 29 Sep 2025 19:52
Operator : CG/JU
Sample : Q3221-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
HD-01-092625

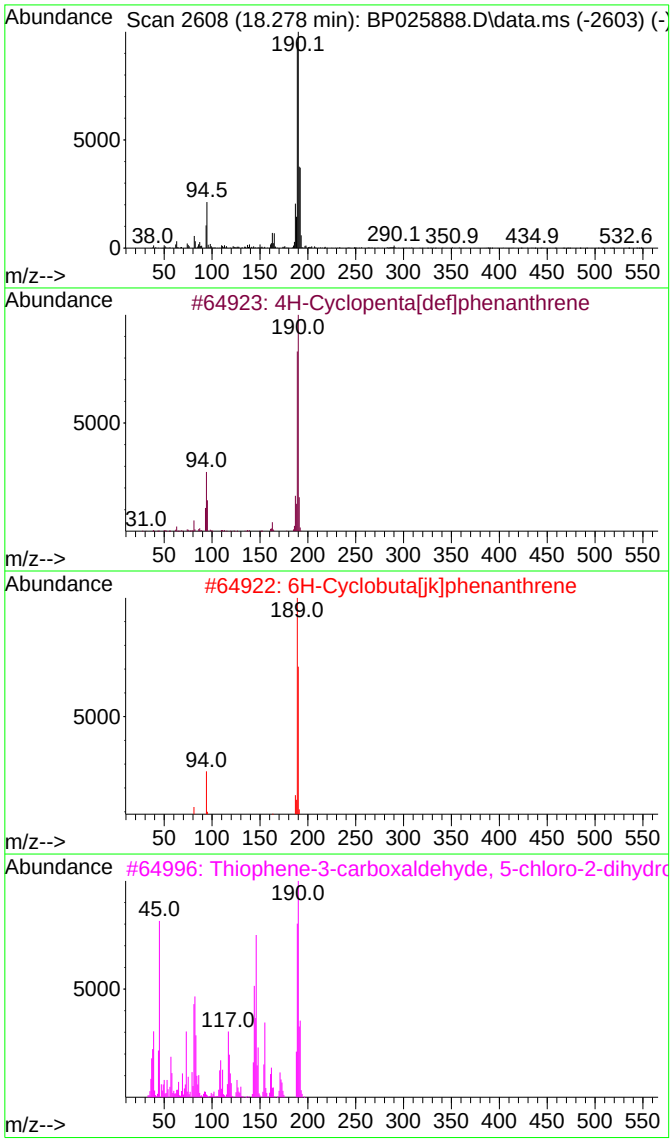
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

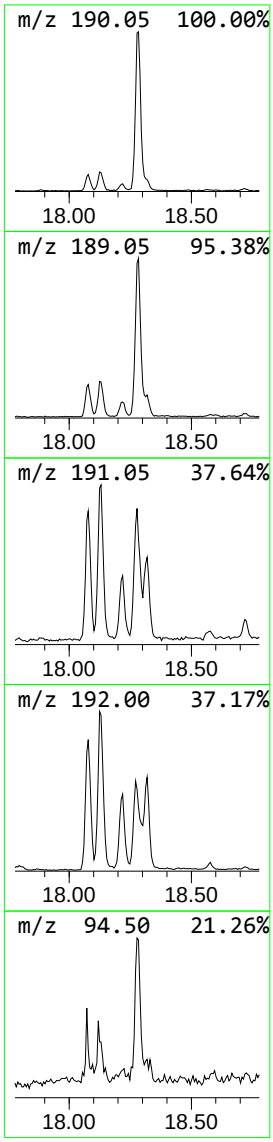
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.278	6.59 ng	656487	Phenanthrene-d10	17.178

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092925\
Data File : BP025888.D
Acq On : 29 Sep 2025 19:52
Operator : CG/JU
Sample : Q3221-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
HD-01-092625

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

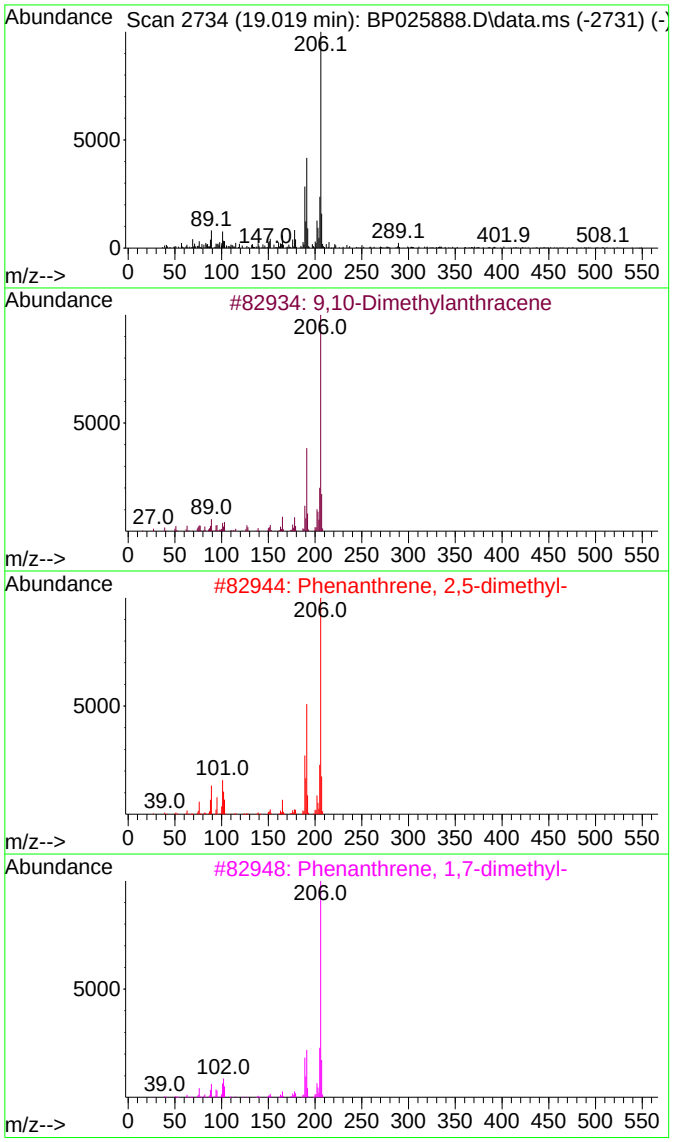
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

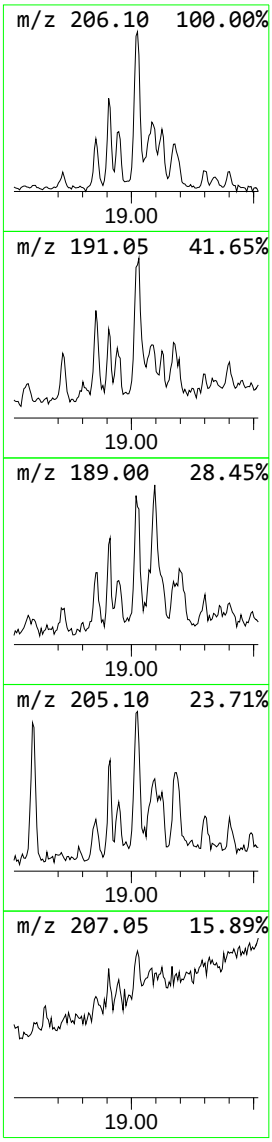
****

Peak Number 6 9,10-Dimethylanthracene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.019	2.02 ng	201227	Phenanthrene-d10	17.178

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092925\
Data File : BP025888.D
Acq On : 29 Sep 2025 19:52
Operator : CG/JU
Sample : Q3221-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
HD-01-092625

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

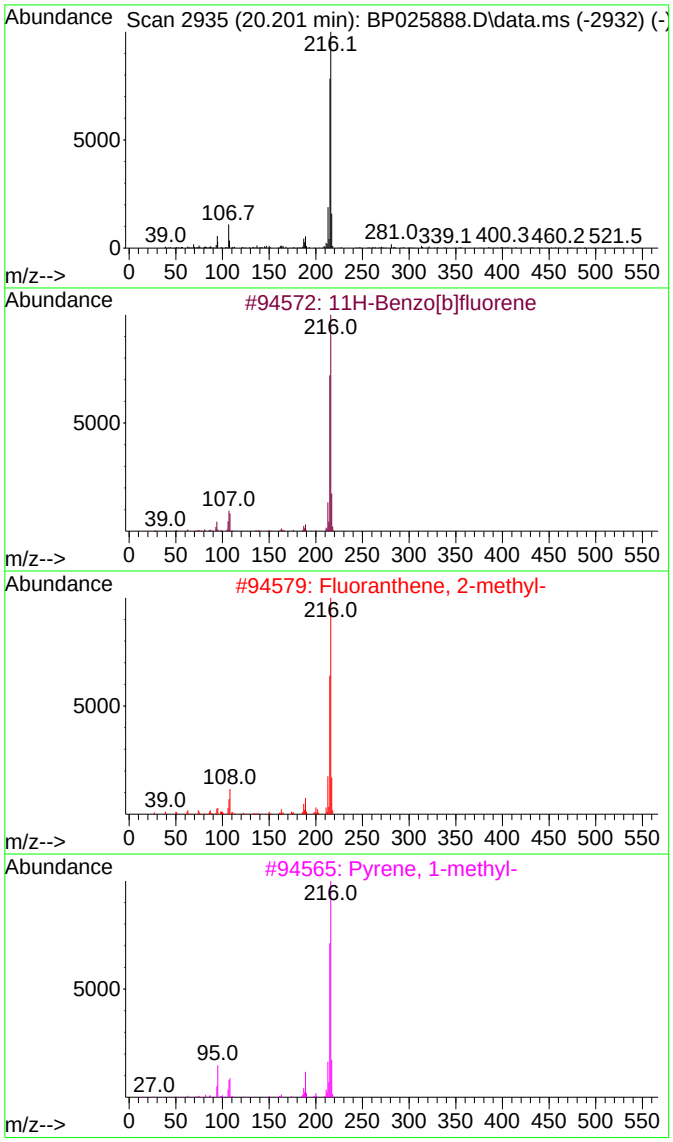
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

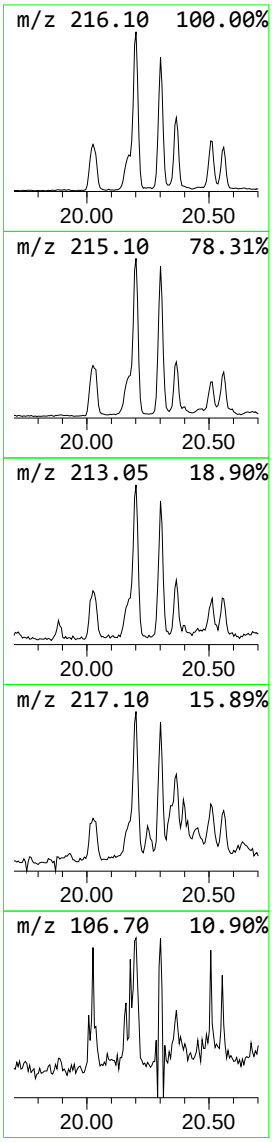
****

Peak Number 7 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.201	2.39 ng	551177	Chrysene-d12	21.619

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	78
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	68
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092925\
Data File : BP025888.D
Acq On : 29 Sep 2025 19:52
Operator : CG/JU
Sample : Q3221-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
HD-01-092625

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

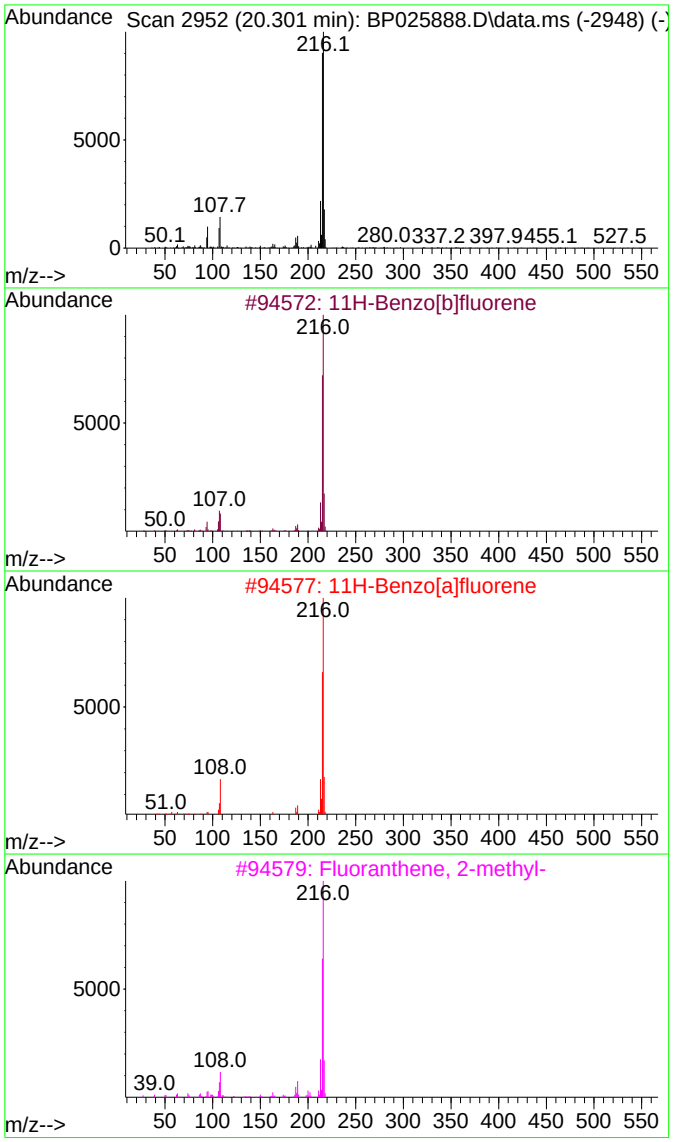
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

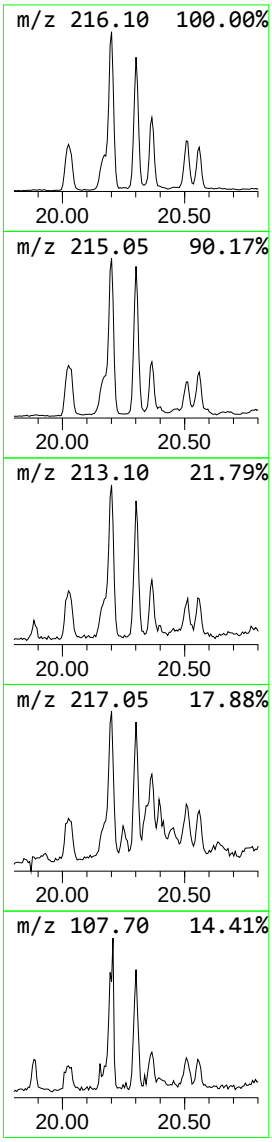
****

Peak Number 8 11H-Benzo[a]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.301	2.11 ng	486336	Chrysene-d12	21.619

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092925\
Data File : BP025888.D
Acq On : 29 Sep 2025 19:52
Operator : CG/JU
Sample : Q3221-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
HD-01-092625

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.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
Phenanthrene, 1...	18.078	2.9	ng	283918	4	17.178	1991500	20.0
n-Hexadecanoic ...	18.107	3.4	ng	335234	4	17.178	1991500	20.0
Phenanthrene, 2...	18.125	4.3	ng	431582	4	17.178	1991500	20.0
4H-Cyclopenta[d...	18.278	6.6	ng	656487	4	17.178	1991500	20.0
9,10-Dimethylan...	19.019	2.0	ng	201227	4	17.178	1991500	20.0
11H-Benzo[b]flu...	20.201	2.4	ng	551177	5	21.619	4610940	20.0
11H-Benzo[a]flu...	20.301	2.1	ng	486336	5	21.619	4610940	20.0