

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
 Data File : BG057483.D
 Acq On : 20 May 2023 1:46
 Operator : CG/JU
 Sample : 02846-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-01-051823

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_G\Methods\8270-BG042723.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG057483.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.875	392	398	406	rBV	49319	81577	12.69%	1.276%
2	7.497	667	674	683	rBV	49679	91973	14.31%	1.439%
3	8.354	814	820	828	rBB	89647	151859	23.62%	2.376%
4	9.535	1015	1021	1030	rBB2	31151	56830	8.84%	0.889%
5	11.192	1296	1303	1310	rBV	112883	205735	32.01%	3.219%
6	12.543	1528	1533	1540	rVB3	5686	7882	1.23%	0.123%
7	12.825	1574	1581	1588	rVB	8829	14181	2.21%	0.222%
8	13.042	1612	1618	1625	rVB4	7255	13449	2.09%	0.210%
9	13.594	1705	1712	1720	rVB	89665	139994	21.78%	2.191%
10	13.753	1733	1739	1745	rBV2	6814	10093	1.57%	0.158%
11	14.293	1825	1831	1835	rBV	5116	8108	1.26%	0.127%
12	14.816	1915	1920	1926	rVB	7699	10659	1.66%	0.167%
13	14.969	1940	1946	1952	rVV	180359	276767	43.06%	4.331%
14	15.034	1952	1957	1962	rVB	29973	44560	6.93%	0.697%
15	15.363	2007	2013	2019	rBV2	19330	29084	4.52%	0.455%
16	15.756	2071	2080	2086	rBV4	10778	18654	2.90%	0.292%
17	16.009	2117	2123	2130	rBV	31219	48241	7.50%	0.755%
18	16.167	2146	2150	2154	rVB3	6857	10709	1.67%	0.168%
19	16.303	2168	2173	2181	rVB2	12952	19870	3.09%	0.311%
20	16.449	2192	2198	2205	rBV3	64911	100367	15.61%	1.570%
21	16.614	2221	2226	2234	rBV4	10285	23321	3.63%	0.365%
22	17.007	2287	2293	2299	rVB5	6053	12439	1.94%	0.195%
23	17.360	2345	2353	2358	rBV3	9010	15602	2.43%	0.244%
24	17.407	2358	2361	2364	rVV2	10135	14498	2.26%	0.227%
25	17.460	2366	2370	2373	rVV3	5917	9744	1.52%	0.152%
26	17.524	2376	2381	2389	rVB2	10461	18429	2.87%	0.288%
27	17.707	2406	2412	2416	rBV	226091	344026	53.52%	5.383%
28	17.748	2416	2419	2427	rVB	212807	317546	49.40%	4.969%
29	17.842	2430	2435	2440	rVB	52736	75932	11.81%	1.188%
30	18.106	2474	2480	2484	rBV2	31817	50649	7.88%	0.793%
31	18.141	2484	2486	2490	rVB2	11140	10990	1.71%	0.172%
32	18.317	2513	2516	2522	rVB2	8800	11606	1.81%	0.182%
33	18.547	2551	2555	2556	rBV2	13683	15884	2.47%	0.249%
34	18.576	2556	2560	2563	rVV2	24042	33689	5.24%	0.527%
35	18.623	2563	2568	2575	rVB	36355	54426	8.47%	0.852%
36	18.705	2575	2582	2586	rBV	13068	23258	3.62%	0.364%

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
 Data File : BG057483.D
 Acq On : 20 May 2023 1:46
 Operator : CG/JU
 Sample : 02846-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-01-051823

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_G\Methods\8270-BG042723.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.776	2586	2594	2597	rBV2	43701	79806	12.42%	1.249%
38	19.058	2637	2642	2646	rVV	18970	27203	4.23%	0.426%
39	19.110	2646	2651	2656	rVB	18963	28455	4.43%	0.445%
40	19.293	2675	2682	2686	rBV6	7414	17809	2.77%	0.279%
41	19.439	2702	2707	2710	rBV	51835	69122	10.75%	1.082%
42	19.469	2710	2712	2718	rVB2	50850	57521	8.95%	0.900%
43	19.604	2731	2735	2737	rBV4	11258	18455	2.87%	0.289%
44	19.657	2742	2744	2746	rVV3	9800	11138	1.73%	0.174%
45	19.686	2746	2749	2752	rVV5	10948	17378	2.70%	0.272%
46	19.739	2752	2758	2763	rVB	332511	461741	71.83%	7.225%
47	19.986	2794	2800	2802	rBV3	10633	19496	3.03%	0.305%
48	20.068	2808	2814	2815	rBV2	55733	83411	12.98%	1.305%
49	20.103	2815	2820	2826	rVV	258674	389430	60.58%	6.094%
50	20.162	2826	2830	2834	rVB	17244	25532	3.97%	0.400%
51	20.274	2844	2849	2854	rVB	177376	222360	34.59%	3.479%
52	20.344	2854	2861	2865	rBV2	11775	21891	3.41%	0.343%
53	20.420	2868	2874	2878	rBV2	21327	49360	7.68%	0.772%
54	20.544	2889	2895	2896	rBV5	22941	32973	5.13%	0.516%
55	20.579	2898	2901	2907	rVB	54309	79684	12.40%	1.247%
56	20.679	2914	2918	2922	rBV	46677	58818	9.15%	0.920%
57	20.738	2922	2928	2931	rVV2	25786	49520	7.70%	0.775%
58	20.773	2931	2934	2938	rVB2	16620	22946	3.57%	0.359%
59	20.885	2949	2953	2957	rBV	19968	26470	4.12%	0.414%
60	20.932	2958	2961	2971	rVB3	22782	45534	7.08%	0.712%
61	21.372	3032	3036	3040	rBV	15805	24554	3.82%	0.384%
62	21.566	3065	3069	3073	rBV	24319	40358	6.28%	0.632%
63	21.607	3074	3076	3081	rVB	24965	33796	5.26%	0.529%
64	21.666	3082	3086	3090	rBV3	24075	41455	6.45%	0.649%
65	21.730	3093	3097	3103	rVB3	16450	28519	4.44%	0.446%
66	22.012	3135	3145	3150	rBV3	241884	642795	100.00%	10.058%
67	22.059	3150	3153	3159	rVB	105903	178381	27.75%	2.791%
68	22.230	3177	3182	3189	rBV	25488	47081	7.32%	0.737%
69	22.447	3215	3219	3225	rBV2	21922	41565	6.47%	0.650%
70	22.794	3275	3278	3285	rVB	25534	40429	6.29%	0.633%
71	24.392	3543	3550	3559	rBV	85194	281627	43.81%	4.407%
72	25.179	3679	3684	3696	rVB2	47716	130346	20.28%	2.040%
73	25.343	3704	3712	3720	rBV	65563	187354	29.15%	2.932%
74	25.514	3731	3741	3749	rBV2	113559	348198	54.17%	5.448%
75	28.110	4179	4183	4185	rBV5	8538	12554	1.95%	0.196%
76	30.460	4579	4583	4584	rBV4	5852	6896	1.07%	0.108%

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
Data File : BG057483.D
Acq On : 20 May 2023 1:46
Operator : CG/JU
Sample : 02846-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-01-051823

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_G\Methods\8270-BG042723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	30.801	4636	4641	4642	rBV5	10784	16196	2.52%	0.253%
----	--------	------	------	------	------	-------	-------	-------	--------

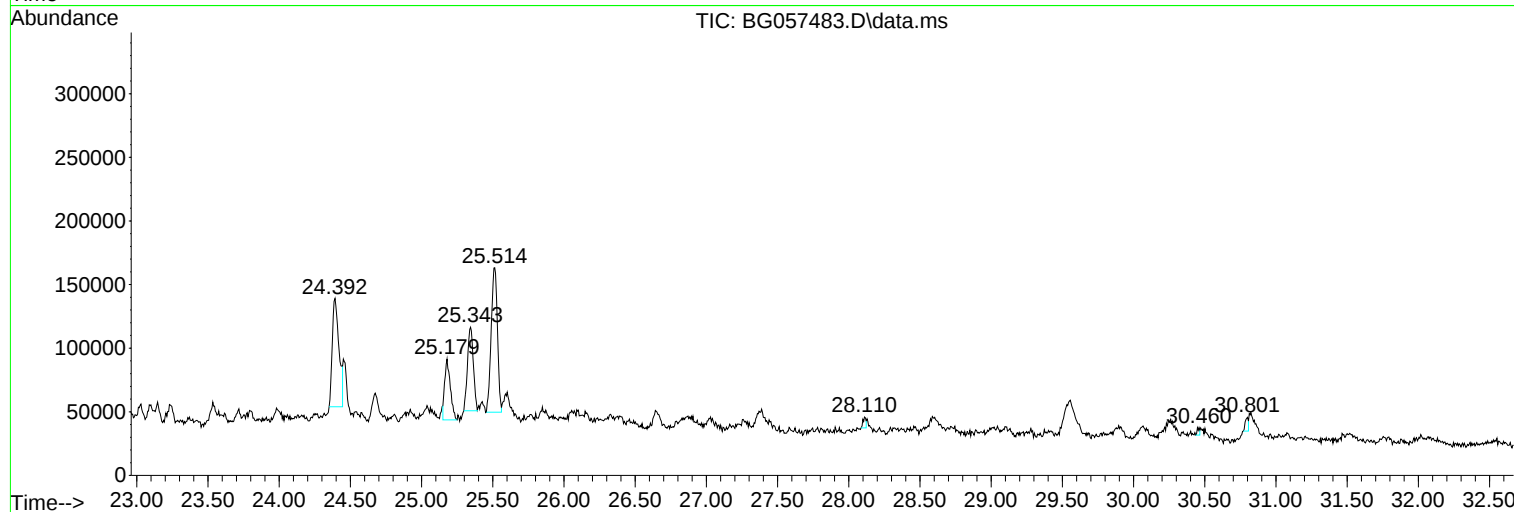
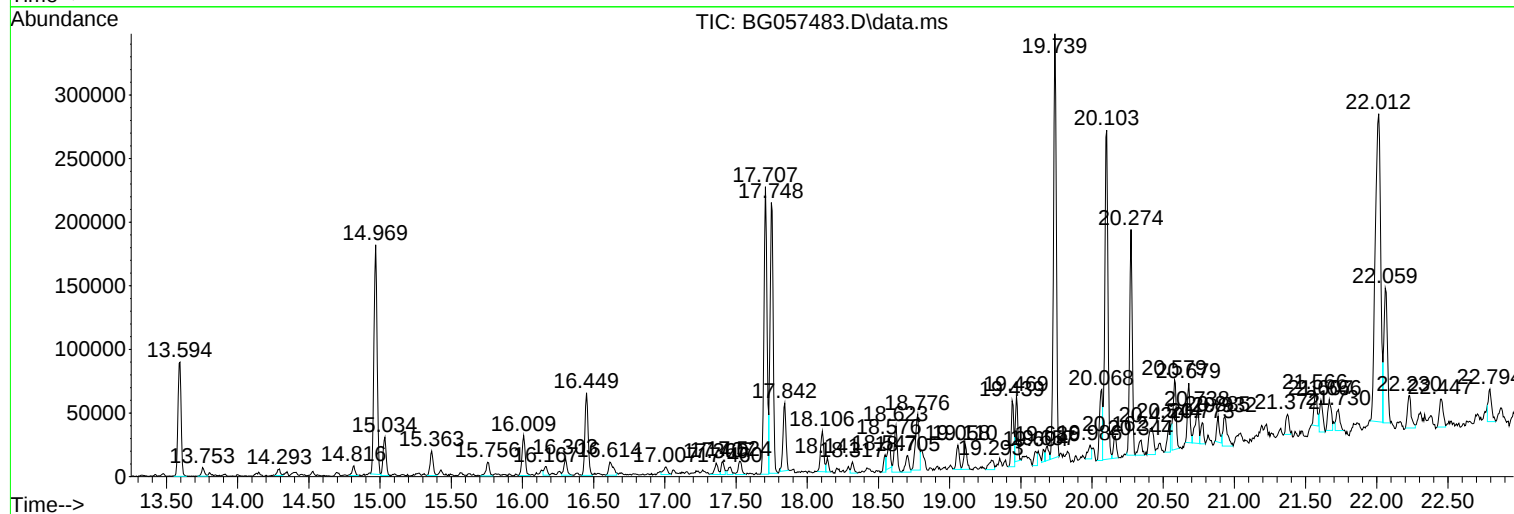
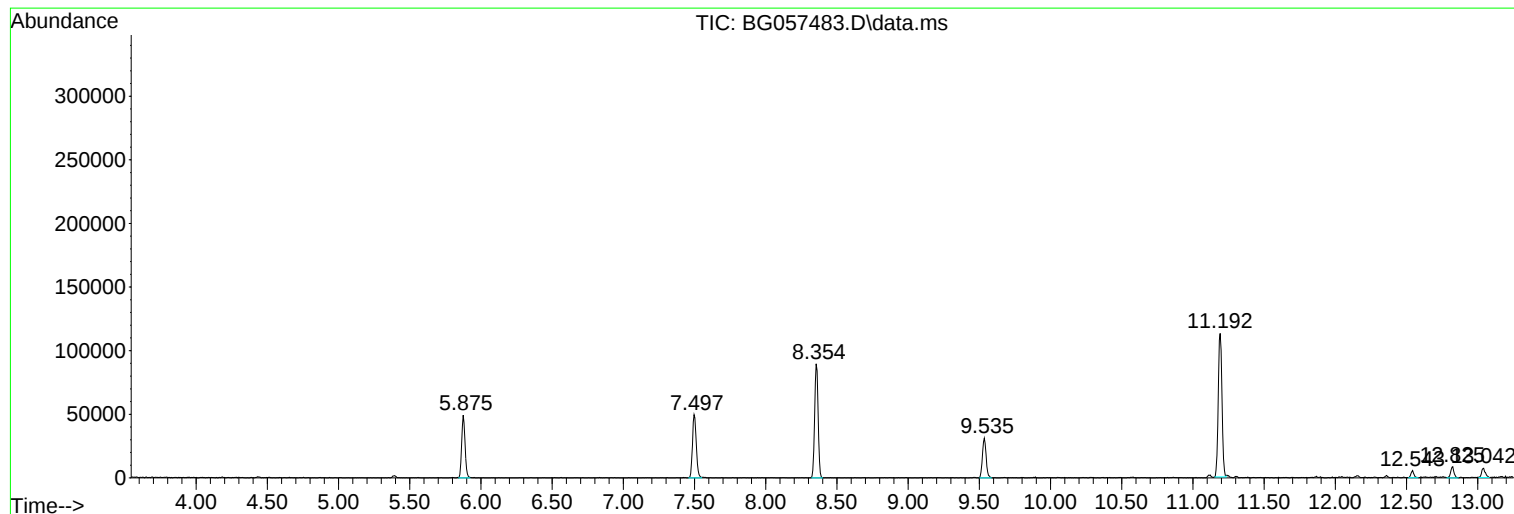
Sum of corrected areas: 6390788

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
Data File : BG057483.D
Acq On : 20 May 2023 1:46
Operator : CG/JU
Sample : 02846-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-01-051823

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.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_G\Data\BG051923\
Data File : BG057483.D
Acq On : 20 May 2023 1:46
Operator : CG/JU
Sample : 02846-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-01-051823

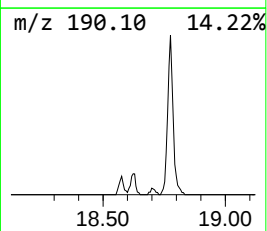
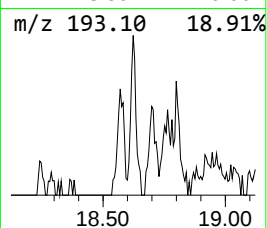
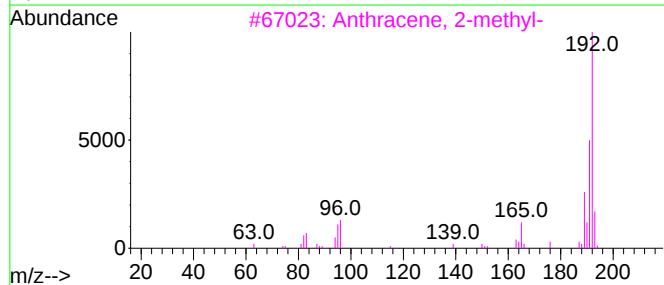
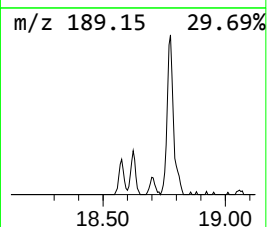
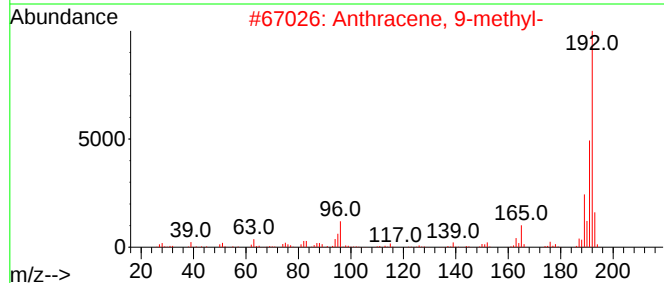
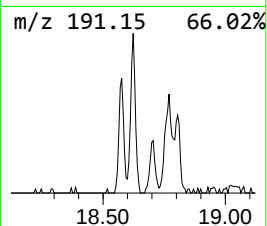
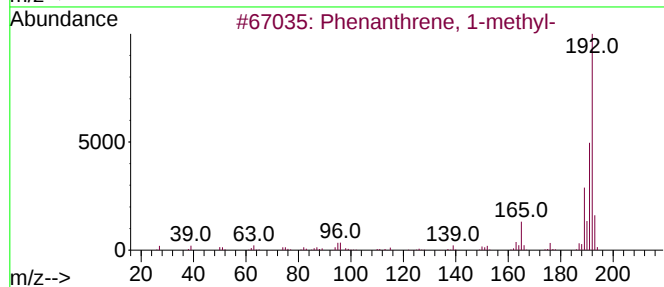
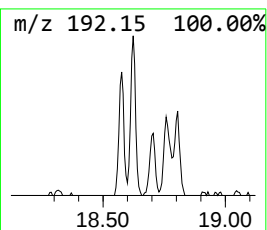
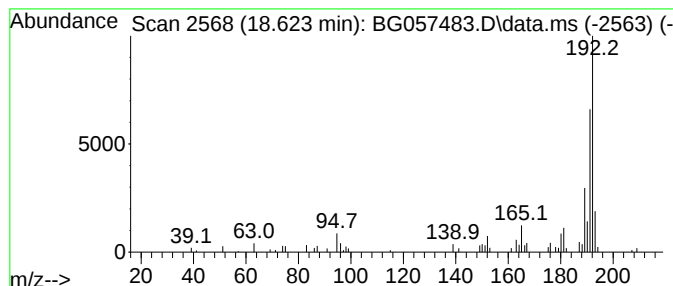
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
18.623	3.16 ng	54426	Phenanthrene-d10	17.706

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
Data File : BG057483.D
Acq On : 20 May 2023 1:46
Operator : CG/JU
Sample : 02846-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-01-051823

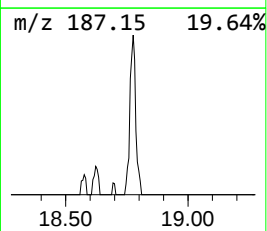
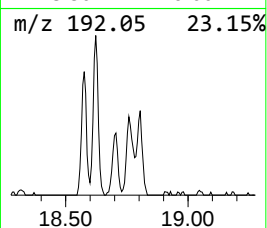
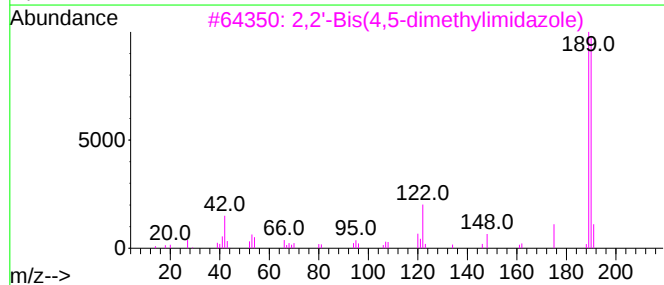
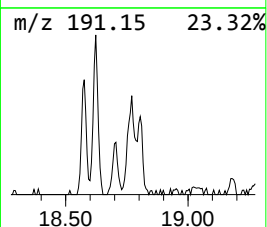
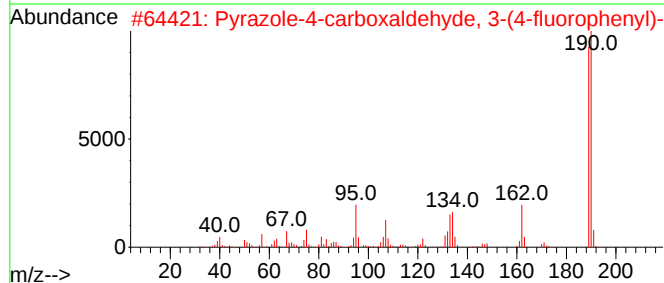
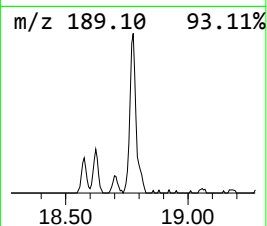
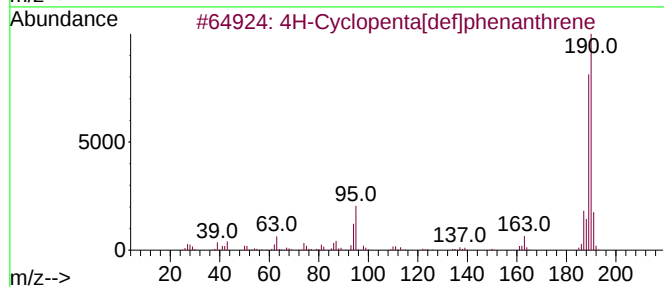
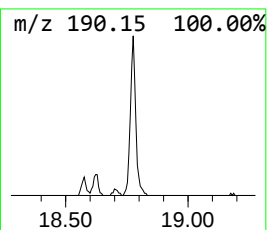
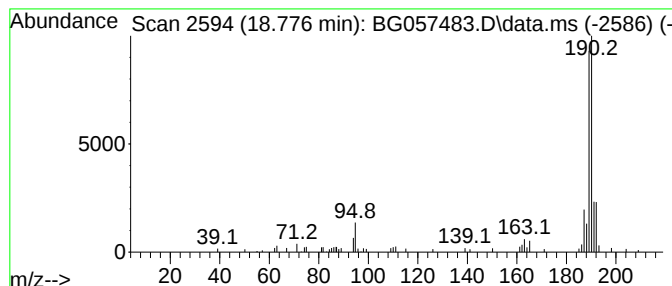
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.776	4.64 ng	79806	Phenanthrene-d10	17.706

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	89
2			Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	53
3			2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
4			6-(4-Fluorophenyl)-2-hydroxypyri...	189	C11H8FNO	1010509-20-5	30
5			Pyrimidine, 6-oxo-4-(4-fluorophe...	190	C10H7FN2O	085979-57-3	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
Data File : BG057483.D
Acq On : 20 May 2023 1:46
Operator : CG/JU
Sample : 02846-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-01-051823

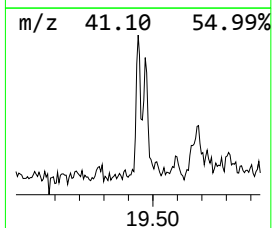
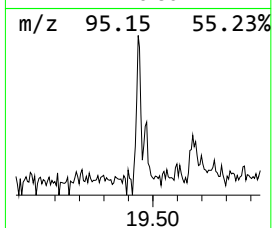
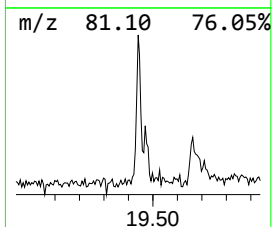
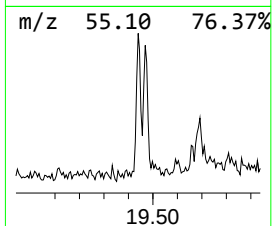
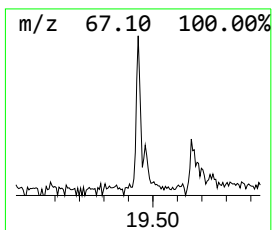
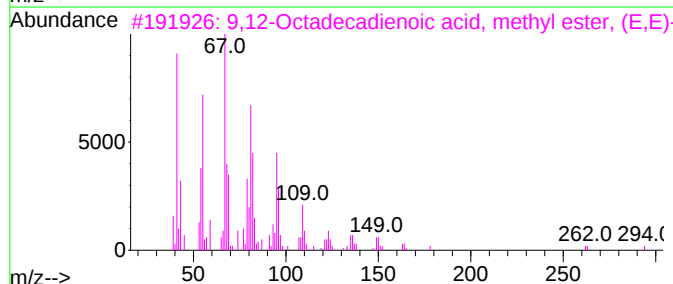
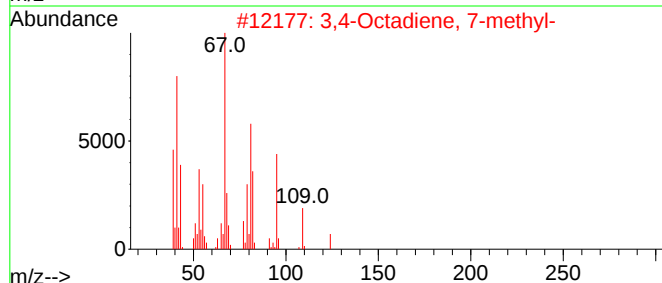
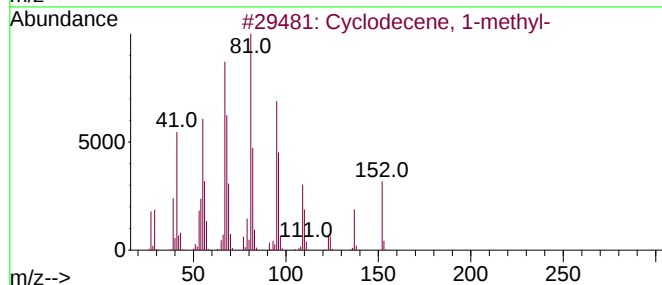
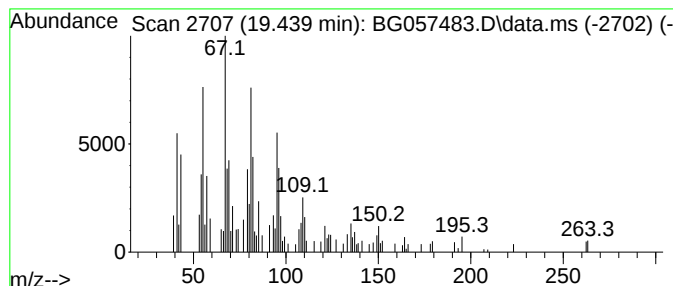
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Cyclodecene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.439	4.02 ng	69122	Phenanthrene-d10	17.706

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclodecene, 1-methyl-	152	C11H20	066633-38-3	93
2			3,4-Octadiene, 7-methyl-	124	C9H16	037050-05-8	81
3			9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	76
4			9,12-Octadecadien-1-ol, (Z,Z)-	266	C18H34O	000506-43-4	70
5			11,14-Eicosadienoic acid, methyl...	322	C21H38O2	002463-02-7	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
Data File : BG057483.D
Acq On : 20 May 2023 1:46
Operator : CG/JU
Sample : 02846-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-01-051823

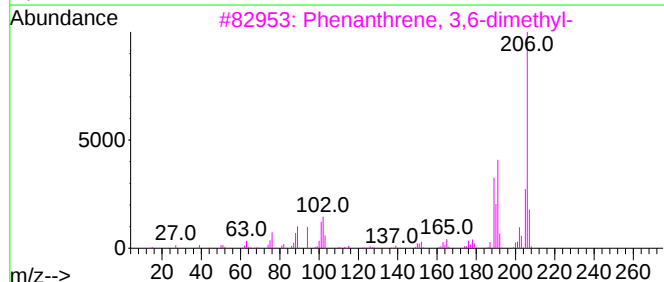
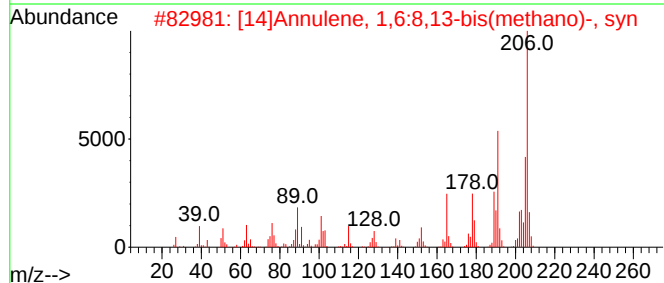
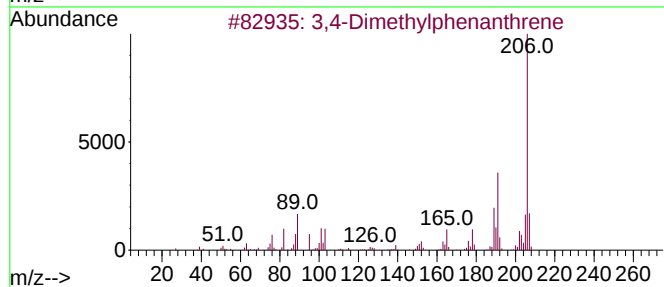
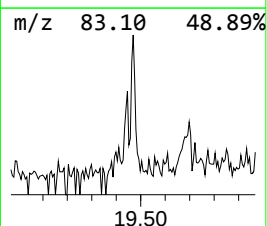
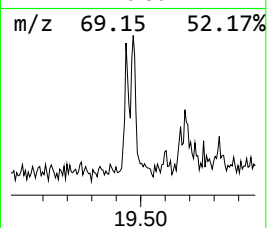
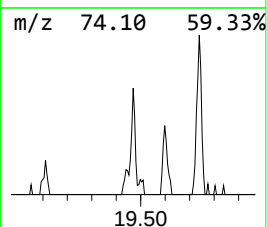
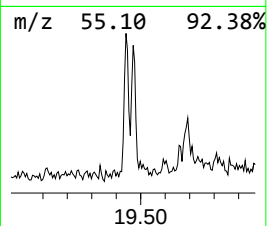
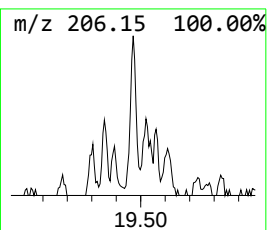
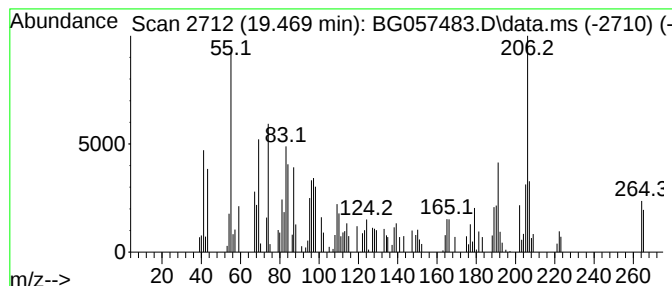
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 unknown19.469 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.469	3.34 ng	57521	Phenanthrene-d10	17.706

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	46
2			[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	46
3			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	41
4			1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	41
5			Benzothieno[2,3-d]pyrimidin-4(3H...	206	C10H10N2OS	014346-24-8	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
Data File : BG057483.D
Acq On : 20 May 2023 1:46
Operator : CG/JU
Sample : 02846-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-01-051823

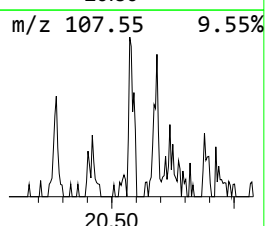
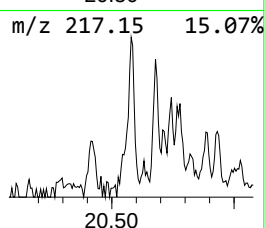
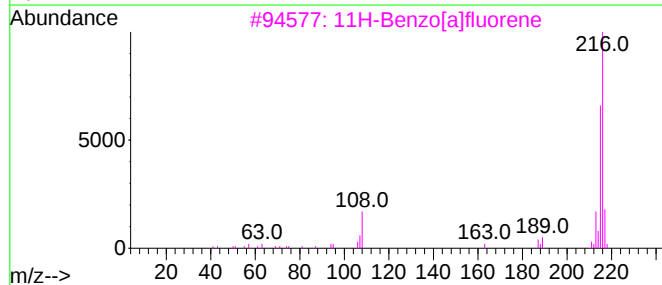
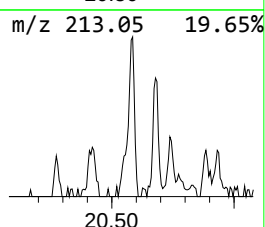
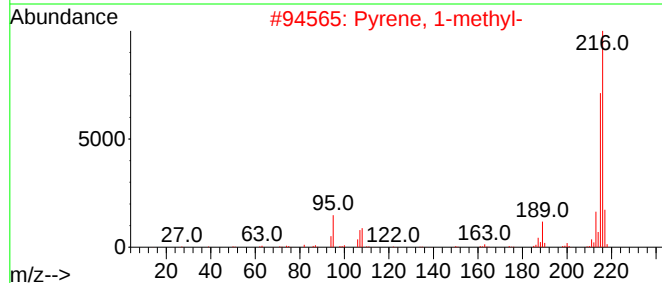
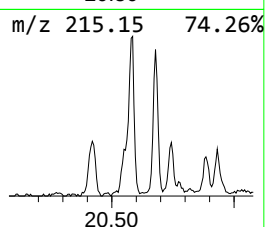
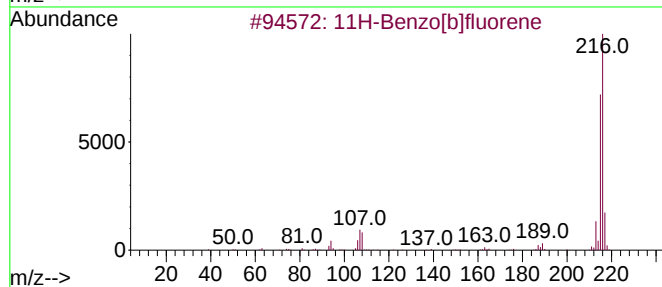
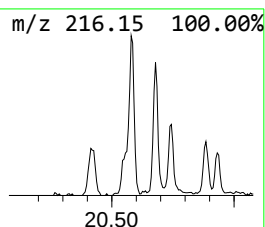
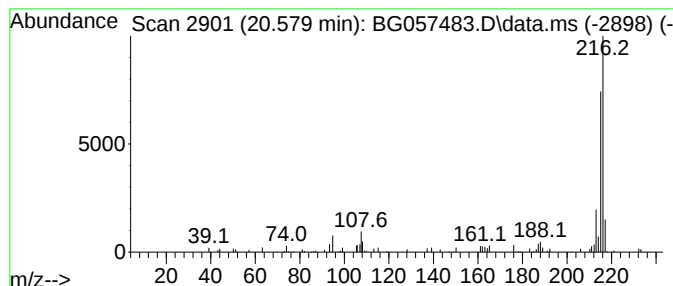
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.579	2.48 ng	79684	Chrysene-d12	22.012

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2		Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
Data File : BG057483.D
Acq On : 20 May 2023 1:46
Operator : CG/JU
Sample : 02846-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-01-051823

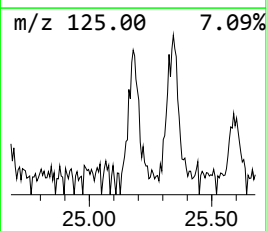
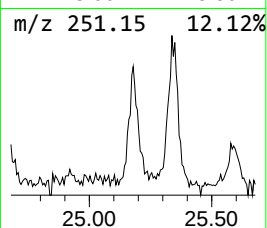
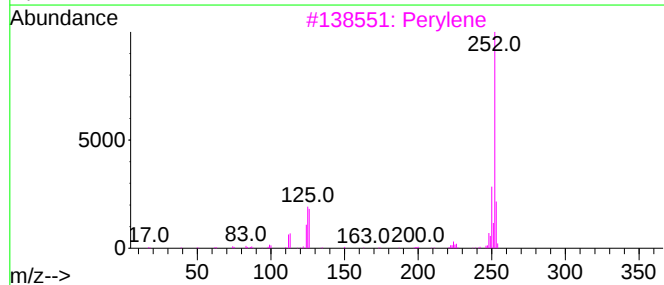
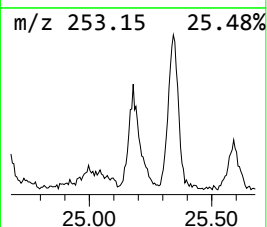
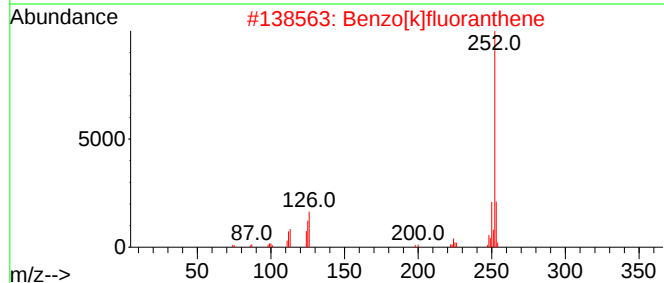
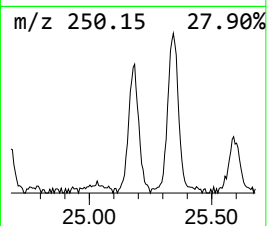
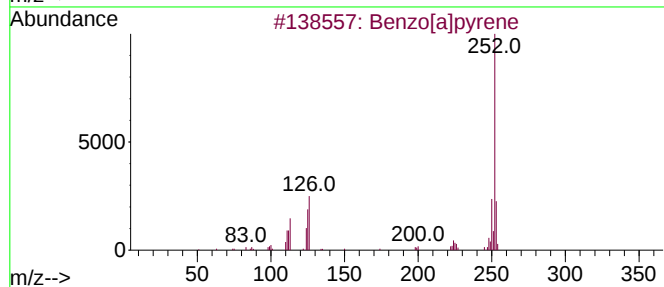
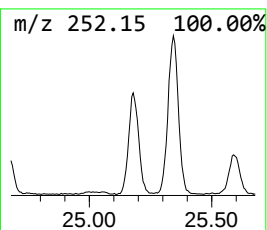
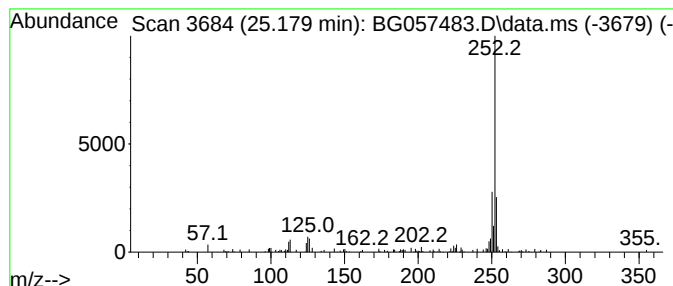
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.179	7.49 ng	130346	Perylene-d12	25.514

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[a]pyrene	252	C20H12	000050-32-8	89
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
3			Perylene	252	C20H12	000198-55-0	89
4			Benzo[e]pyrene	252	C20H12	000192-97-2	89
5			Benzo[b]fluoranthene	252	C20H12	000205-99-2	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
Data File : BG057483.D
Acq On : 20 May 2023 1:46
Operator : CG/JU
Sample : 02846-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-01-051823

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Phenanthrene, 1...	18.623	3.2	ng	54426	4	17.706	344026	20.0
4H-Cyclopenta[d...	18.776	4.6	ng	79806	4	17.706	344026	20.0
Cyclodecene, 1-...	19.439	4.0	ng	69122	4	17.706	344026	20.0
unknown19.469	19.469	3.3	ng	57521	4	17.706	344026	20.0
11H-Benzo[b]flu...	20.579	2.5	ng	79684	5	22.012	642795	20.0
Perylene	25.179	7.5	ng	130346	6	25.514	348198	20.0