LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122320\
Data File : BM028252.D
Acq On : 23 Dec 2020 15:29
Operator : JU/CG
Sample : L5189-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 08

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_M\Methods\8270-BM121620.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM028252.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.698	420	427	437	rBV	1953274	2808862	34.51%	2.791%
2	7.340	698	706	725	rVB	1780926	3085354	37.90%	3.065%
3	8.198	842	852	858	rBV	519539	815221	10.01%	0.810%
4	9.375	1044	1052	1059	rBV	1160614	1875686	23.04%	1.864%
5	11.028	1326	1333	1338	rBV	637228	1070813	13.15%	1.064%
6	11.075	1338	1341	1348	rVB	126696	195858	2.41%	0.195%
7	12.669	1607	1612	1617	rVB2	65695	95882	1.18%	0.095%
8	13.451	1738	1745	1754	rBV	1913924	2887297	35.47%	2.869%
9	14.151	1858	1864	1869	rBV2	53577	94374	1.16%	0.094%
10	14.268	1878	1884	1891	rBV	245912	352938	4.34%	0.351%
11	14.551	1926	1932	1939	rBV	189351	285087	3.50%	0.283%
12	14.827	1973	1979	1984	rVB2	803598	1203932	14.79%	1.196%
13	14.886	1984	1989	1996	rVB	221310	332859	4.09%	0.331%
14	15.215	2038	2045	2053	rVV	181904	300886	3.70%	0.299%
15	15.639	2113	2117	2121	rVB	125965	156768	1.93%	0.156%
16	15.862	2148	2155	2165	rVB2	243356	388946	4.78%	0.386%
17	16.027	2179	2183	2187	rBV2	48453	82811	1.02%	0.082%
18	16.151	2199	2204	2209	rVB	84466	125536	1.54%	0.125%
19	16.298	2223	2229	2237	rVB	1762421	2466704	30.30%	2.451%
20	16.492	2258	2262	2265	rBV	144652	188027	2.31%	0.187%
21	16.521	2265	2267	2273	rVB5	78414	110298	1.35%	0.110%
22	16.857	2321	2324	2328	rVB3	77252	107840	1.32%	0.107%
23	17.074	2355	2361	2365	rBV4	74298	139876	1.72%	0.139%
24	17.198	2377	2382	2389	rVB	166011	259982	3.19%	0.258%
25	17.280	2391	2396	2402	rBV3	238672	431775	5.30%	0.429%
26	17.368	2407	2411	2418	rVB	187884	292946	3.60%	0.291%
27	17.545	2435	2441	2444	rBV	849495	1232644	15.14%	1.225%
28	17.592	2444	2449	2455	rVV	3754509	5153597	63.31%	5.120%
29	17.680	2455	2464	2468	rVV	883529	1303673	16.01%	1.295%
30	17.733	2468	2473	2478	rVB4	80668	160953	1.98%	0.160%
31	17.939	2501	2508	2516	rBV	382035	617385	7.58%	0.613%
32	18.009	2516	2520	2524	rVB	107050	130850	1.61%	0.130%
33	18.056	2524	2528	2531	rBV	88435	110997	1.36%	0.110%
34	18.121	2535	2539	2546	rVB2	82503	120761	1.48%	0.120%
35	18.256	2559	2562	2570	rVB3	43891	96705	1.19%	0.096%
36	18.409	2582	2588	2592	rBV	570253	867789	10.66%	0.862%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122320\
Data File : BM028252.D
Acq On : 23 Dec 2020 15:29
Operator : JU/CG
Sample : L5189-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 08

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_M\Methods\8270-BM121620.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.456	2592	2596	2602	rVB	702617	1001077	12.30%	0.995%
38	18.539	2604	2610	2615	rBV	281966	400008	4.91%	0.397%
39	18.609	2615	2622	2625	rBV3	689139	1330546	16.34%	1.322%
40	18.639	2625	2627	2632	rVB	368342	410846	5.05%	0.408%
41	18.692	2632	2636	2642	rBV4	107568	181148	2.23%	0.180%
42	18.898	2666	2671	2675	rBV	424579	561056	6.89%	0.557%
43	18.939	2675	2678	2688	rVB	267871	378871	4.65%	0.376%
44	19.139	2709	2712	2717	rBV3	131122	167481	2.06%	0.166%
45	19.192	2717	2721	2724	rVV	117011	141945	1.74%	0.141%
46	19.227	2724	2727	2731	rVB	111620	138911	1.71%	0.138%
47	19.309	2736	2741	2746	rBV	375314	625112	7.68%	0.621%
48	19.374	2747	2752	2755	rBV3	128301	218682	2.69%	0.217%
49	19.450	2760	2765	2773	rBV2	310698	516966	6.35%	0.514%
50	19.580	2780	2787	2792	rBV	5822175	8140449	100.00%	8.088%
51	19.627	2792	2795	2798	rVV	92279	120675	1.48%	0.120%
52	19.662	2798	2801	2806	rVB	179316	254274	3.12%	0.253%
53	19.721	2807	2811	2814	rVV	149875	192554	2.37%	0.191%
54	19.762	2815	2818	2821	rVV3	94793	143067	1.76%	0.142%
55	19.815	2823	2827	2835	rVV2	281352	497117	6.11%	0.494%
56	19.898	2835	2841	2843	rVV	983211	1488827	18.29%	1.479%
57	19.939	2843	2848	2854	rVV	5124878	7321070	89.93%	7.274%
58	19.998	2854	2858	2864	rVB2	323626	478539	5.88%	0.475%
59	20.115	2872	2878	2883	rBV2	2038588	2883963	35.43%	2.865%
60	20.168	2883	2887	2893	rVB	286497	409693	5.03%	0.407%
61	20.245	2894	2900	2901	rBV2	383397	616942	7.58%	0.613%
62	20.303	2907	2910	2915	rVB	89386	103041	1.27%	0.102%
63	20.380	2917	2923	2925	rVV5	285103	539391	6.63%	0.536%
64	20.415	2925	2929	2933	rVB	746778	1073317	13.18%	1.066%
65	20.509	2941	2945	2949	rBV	347061	473479	5.82%	0.470%
66	20.568	2949	2955	2959	rVV2	495802	914892	11.24%	0.909%
67	20.609	2959	2962	2965	rVB	168172	182763	2.25%	0.182%
68	20.645	2965	2968	2973	rBV3	106974	152638	1.88%	0.152%
69	20.709	2975	2979	2982	rBV	343072	402302	4.94%	0.400%
70	20.750	2983	2986	2990	rVB2	282238	355354	4.37%	0.353%
71	21.144	3050	3053	3060	rVB	637145	837304	10.29%	0.832%
72	21.309	3075	3081	3084	rBV2	512659	948652	11.65%	0.943%
73	21.350	3084	3088	3091	rVV	862822	1166294	14.33%	1.159%
74	21.392	3091	3095	3099	rVV2	571792	908399	11.16%	0.903%
75	21.439	3099	3103	3113	rVB2	715982	1079719	13.26%	1.073%
76	21.650	3134	3139	3144	rBV2	3830342	6373629	78.30%	6.332%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122320\
Data File : BM028252.D
Acq On : 23 Dec 2020 15:29
Operator : JU/CG
Sample : L5189-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 08

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

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Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121620.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	21.703	3144	3148	3156	rVB	2947423	4085504	50.19%	4.059%
78	21.821	3165	3168	3174	rBV	389272	504056	6.19%	0.501%
79	21.980	3192	3195	3200	rVB	432948	576368	7.08%	0.573%
80	22.233	3234	3238	3242	rVB	478160	660472	8.11%	0.656%
81	22.286	3244	3247	3252	rVB	334491	437751	5.38%	0.435%
82	22.439	3270	3273	3277	rBV4	224534	369522	4.54%	0.367%
83	22.539	3287	3290	3296	rVB2	237354	342746	4.21%	0.341%
84	23.315	3415	3422	3427	rBV	2154436	5267845	64.71%	5.234%
85	23.491	3448	3452	3461	rVB	444933	789316	9.70%	0.784%
86	23.827	3503	3509	3519	rVB	1203255	2638014	32.41%	2.621%
87	23.927	3520	3526	3533	rVV	1959660	3669810	45.08%	3.646%
88	24.033	3538	3544	3548	rVV2	682505	1495715	18.37%	1.486%
89	24.080	3548	3552	3560	rVB2	583111	1177177	14.46%	1.170%
90	26.462	3949	3957	3968	rVB	947982	2820348	34.65%	2.802%
91	27.209	4079	4084	4096	rVB2	615231	1733911	21.30%	1.723%

Sum of corrected areas: 100651460

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122320\
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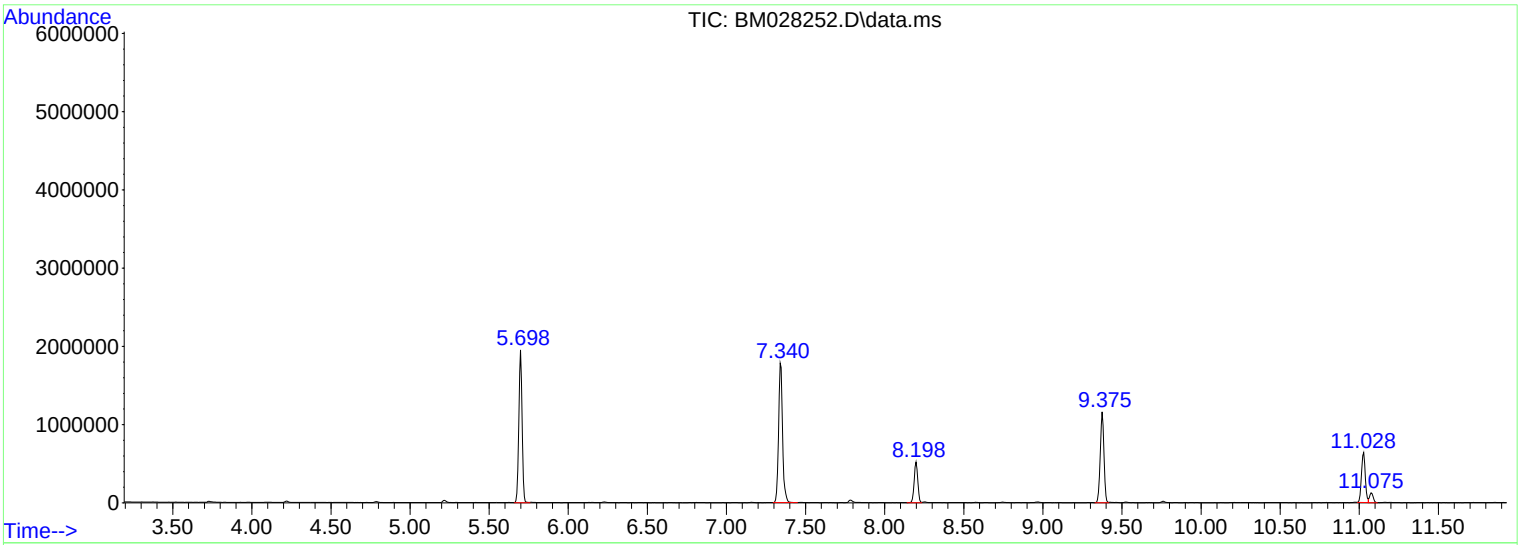
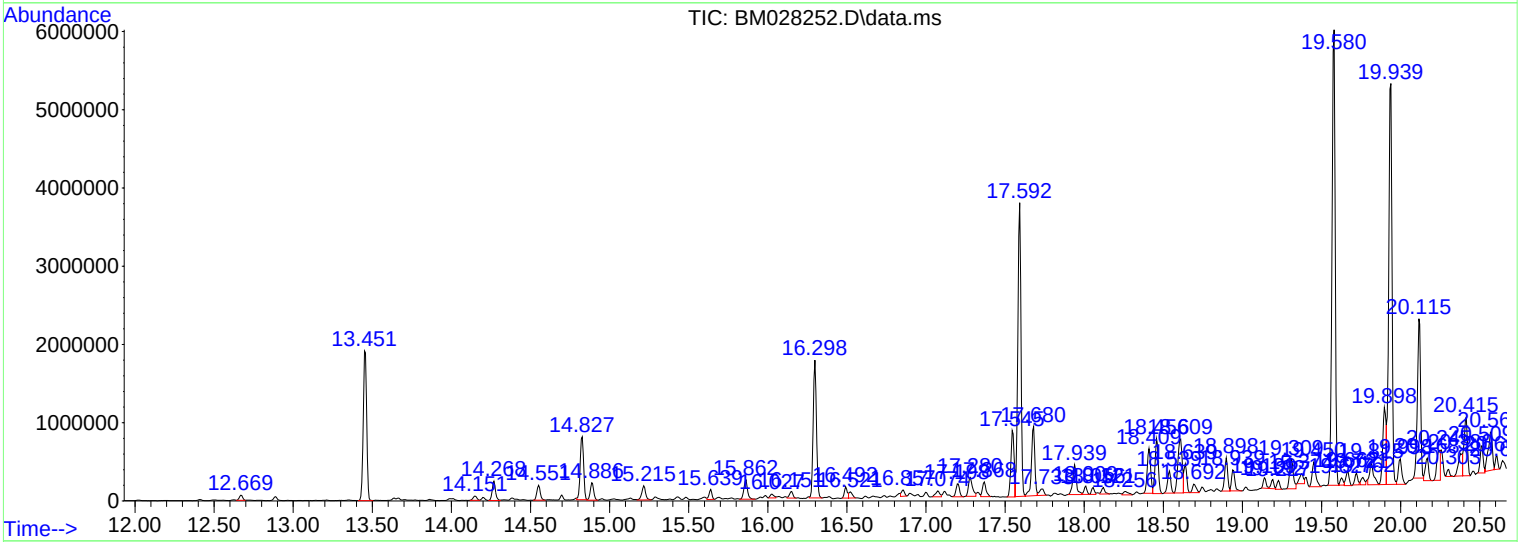
Acq On : 23 Dec 2020 15:29
Operator : JU/CG
Sample : L5189-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

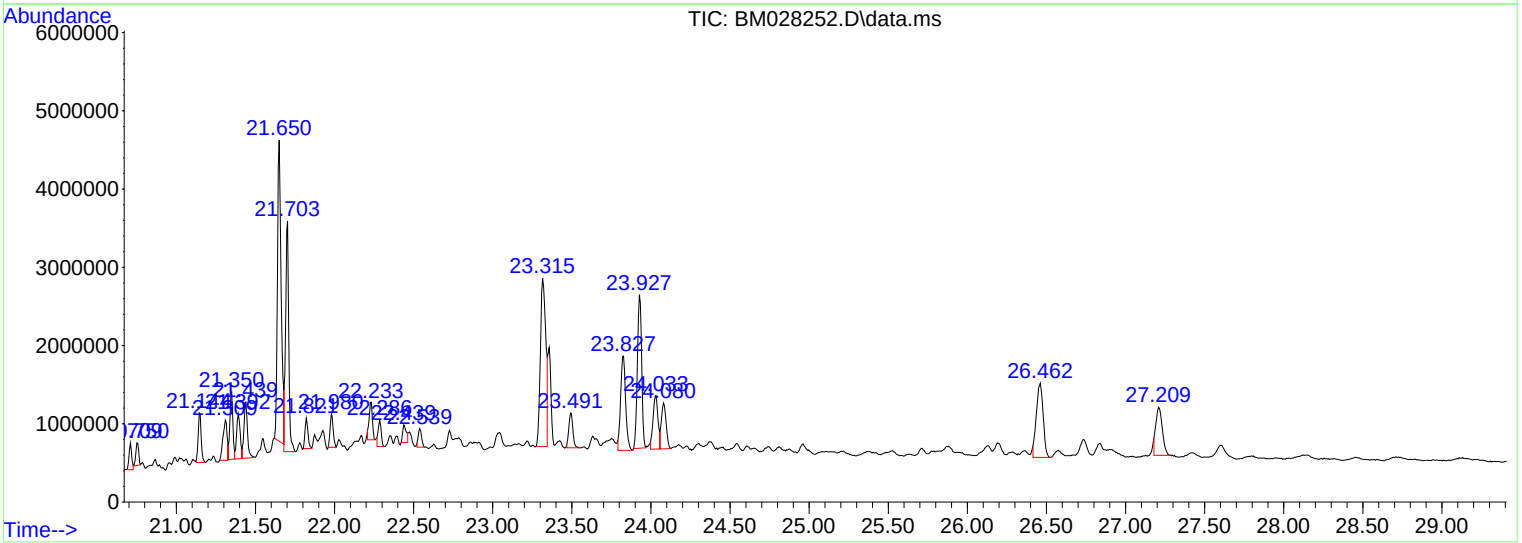
Instrument :
BNA_M
ClientSampleId :
08

Quant Title :

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122320\
Data File : BM028252.D
Acq On : 23 Dec 2020 15:29
Operator : JU/CG
Sample : L5189-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
08

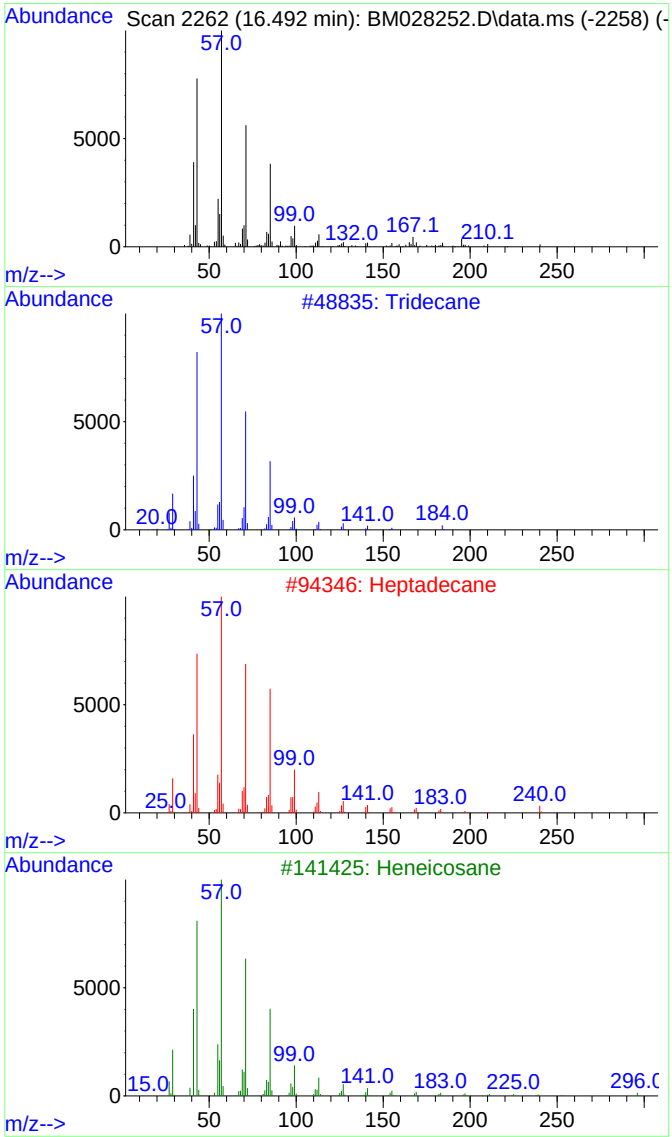
Quant Title :

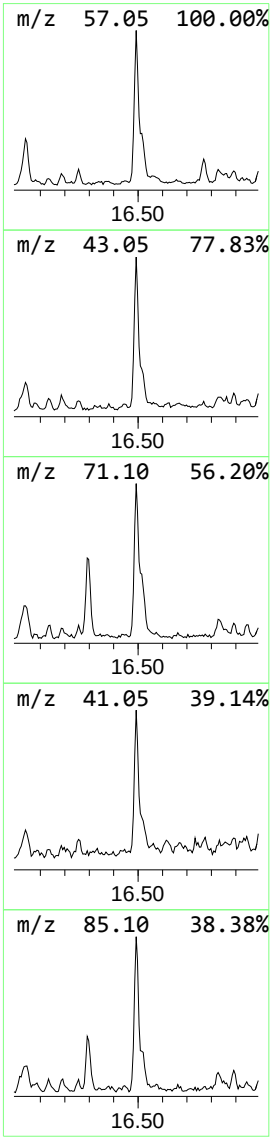
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Tridecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.492	3.05 ng	188027	Phenanthrene-d10	17.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	96
2	Heptadecane	240	C17H36	000629-78-7	93
3	Heneicosane	296	C21H44	000629-94-7	83
4	Hexadecane	226	C16H34	000544-76-3	83
5	Pentadecane	212	C15H32	000629-62-9	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122320\
Data File : BM028252.D
Acq On : 23 Dec 2020 15:29
Operator : JU/CG
Sample : L5189-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
08

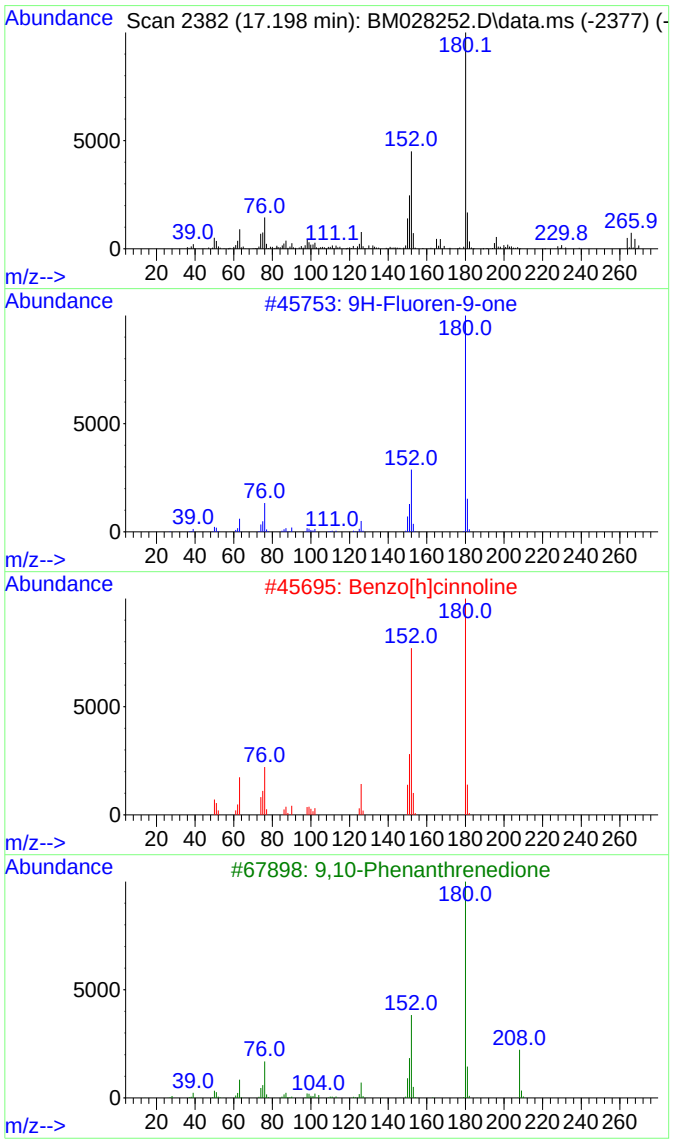
Quant Title :

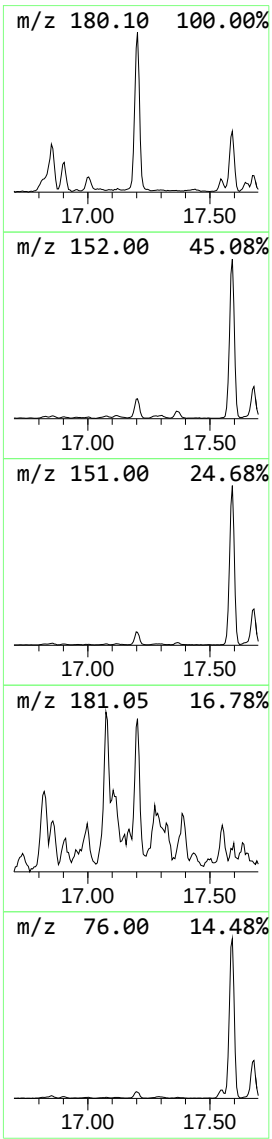
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 9H-Fluoren-9-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.198	4.22 ng	259982	Phenanthrene-d10	17.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	80
4	Diphenic anhydride	224	C14H8O3	006050-13-1	58
5	9,9-Bis[4-aminophenylsulfonyl]fl...	476	C25H20N2O4S2	081269-16-1	56





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122320\
Data File : BM028252.D
Acq On : 23 Dec 2020 15:29
Operator : JU/CG
Sample : L5189-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 08

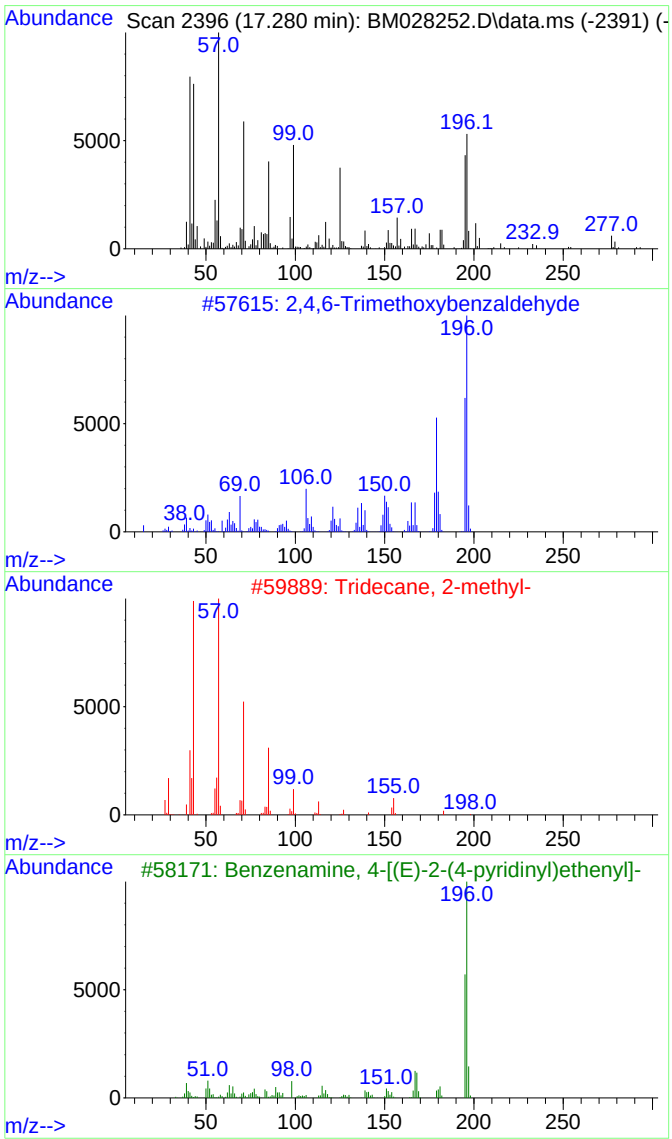
Quant Title :

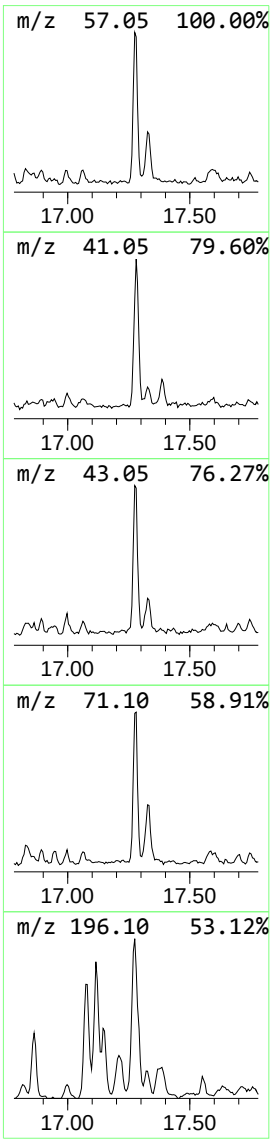
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 unknown17.28 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.280	7.01 ng	431775	Phenanthrene-d10	17.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	30
2	Tridecane, 2-methyl-	198	C14H30	001560-96-9	30
3	Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	25
4	Sulfurous acid, 2-propyl tridecy...	306	C16H34O3S	1000309-12-4	25
5	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122320\
Data File : BM028252.D
Acq On : 23 Dec 2020 15:29
Operator : JU/CG
Sample : L5189-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 08

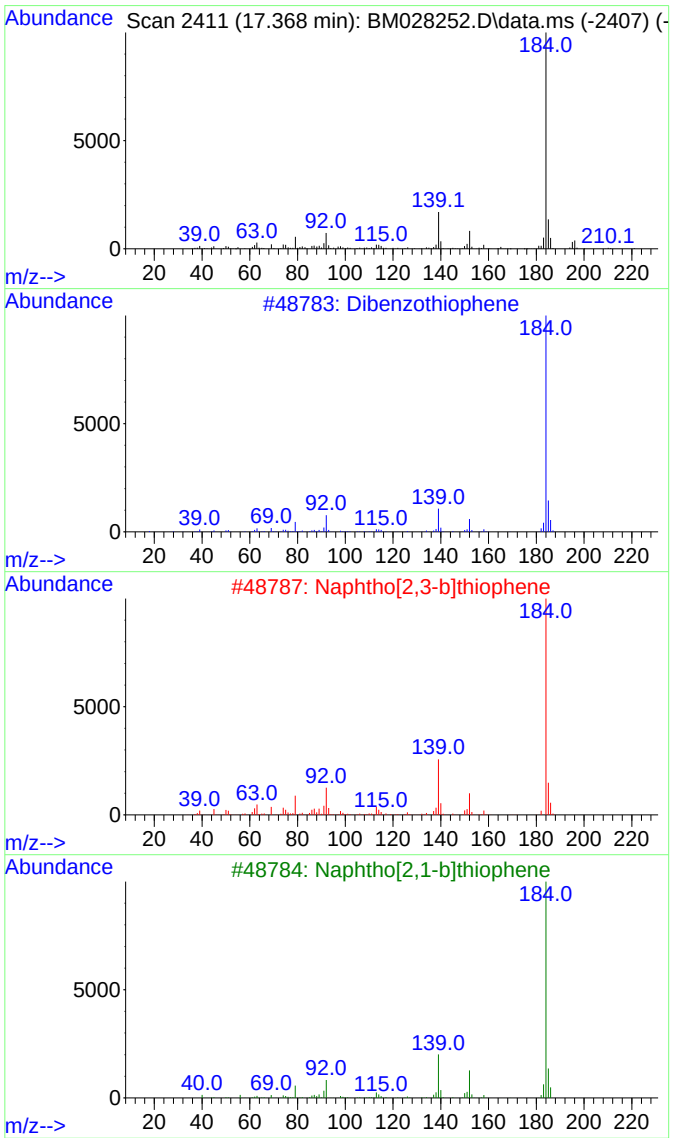
Quant Title :

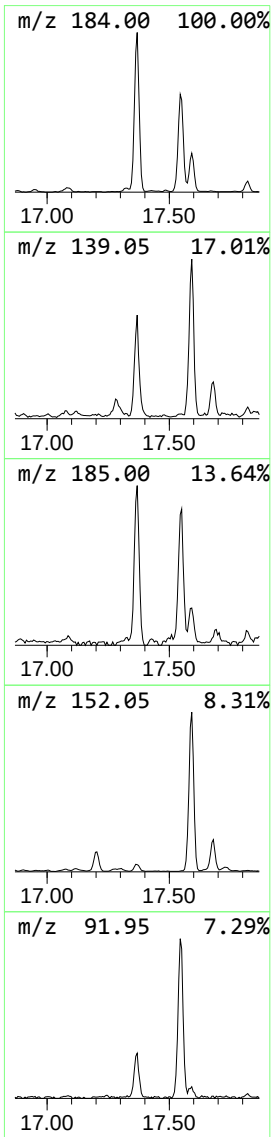
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.368	4.75 ng	292946	Phenanthrene-d10	17.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	80
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122320\
Data File : BM028252.D
Acq On : 23 Dec 2020 15:29
Operator : JU/CG
Sample : L5189-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
08

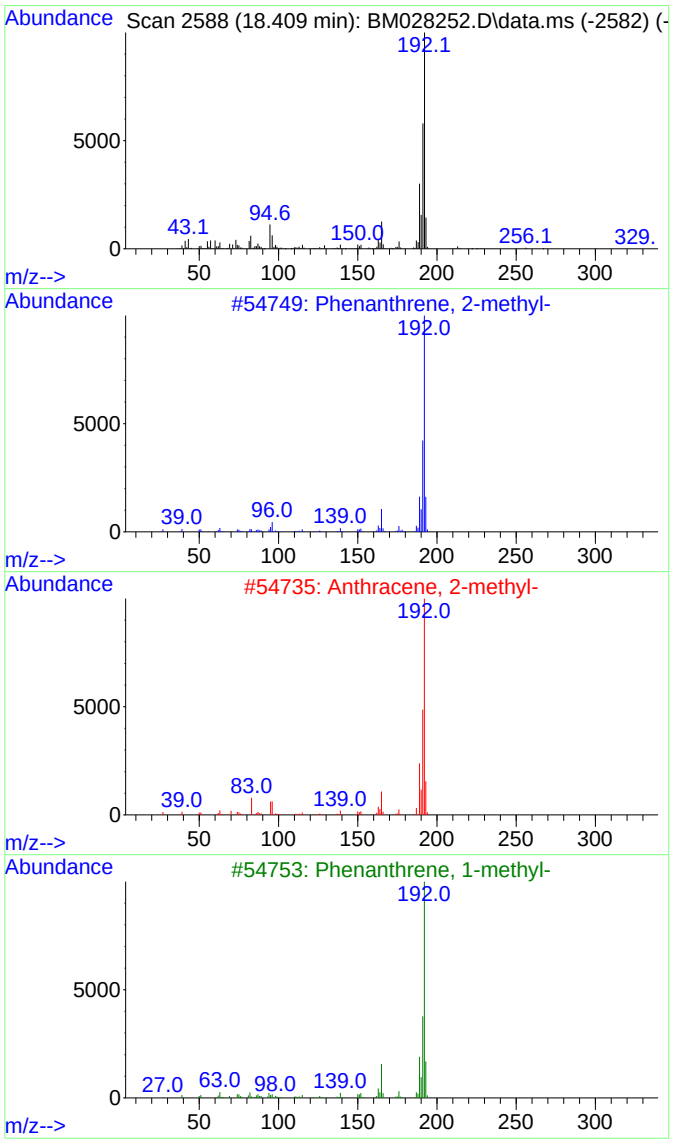
Quant Title :

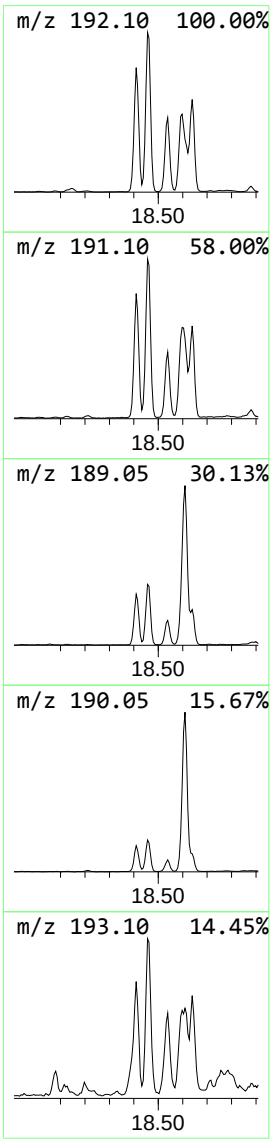
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.409	14.08 ng	867789	Phenanthrene-d10	17.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122320\
Data File : BM028252.D
Acq On : 23 Dec 2020 15:29
Operator : JU/CG
Sample : L5189-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 08

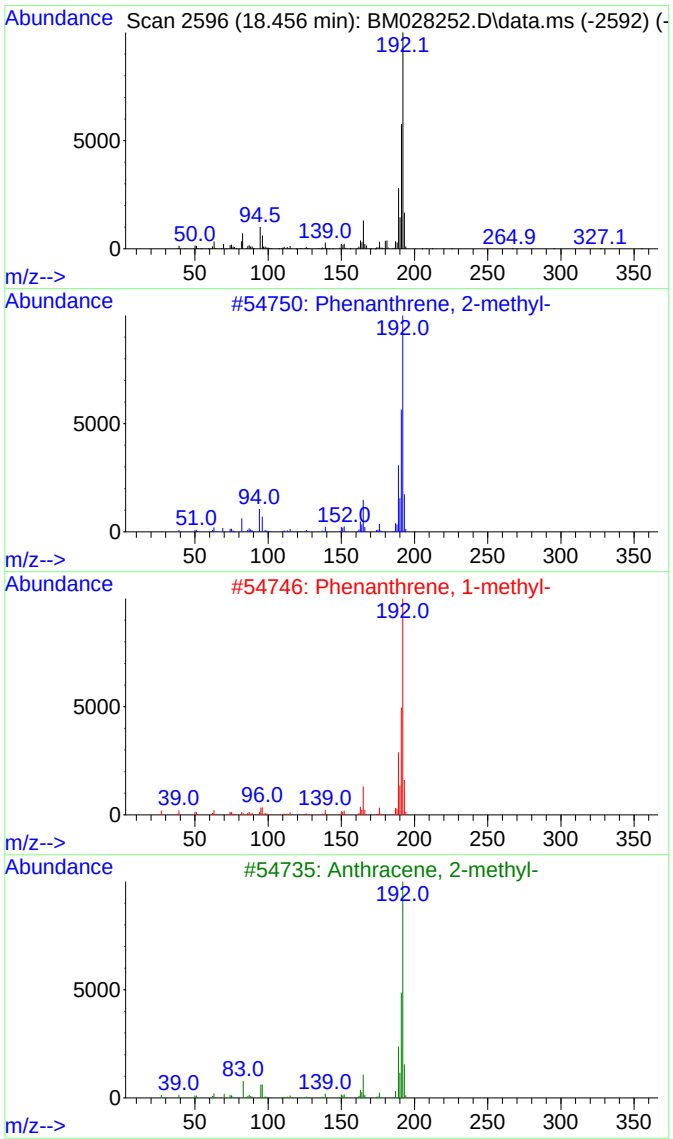
Quant Title :

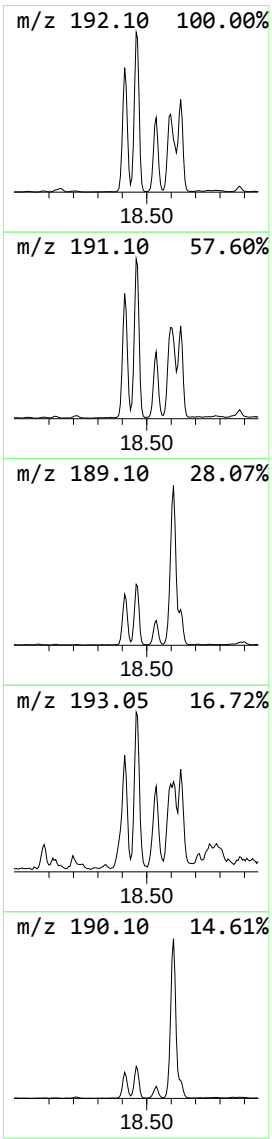
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.456	16.24 ng	1001080	Phenanthrene-d10	17.545

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	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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Data File : BM028252.D
Acq On : 23 Dec 2020 15:29
Operator : JU/CG
Sample : L5189-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
08

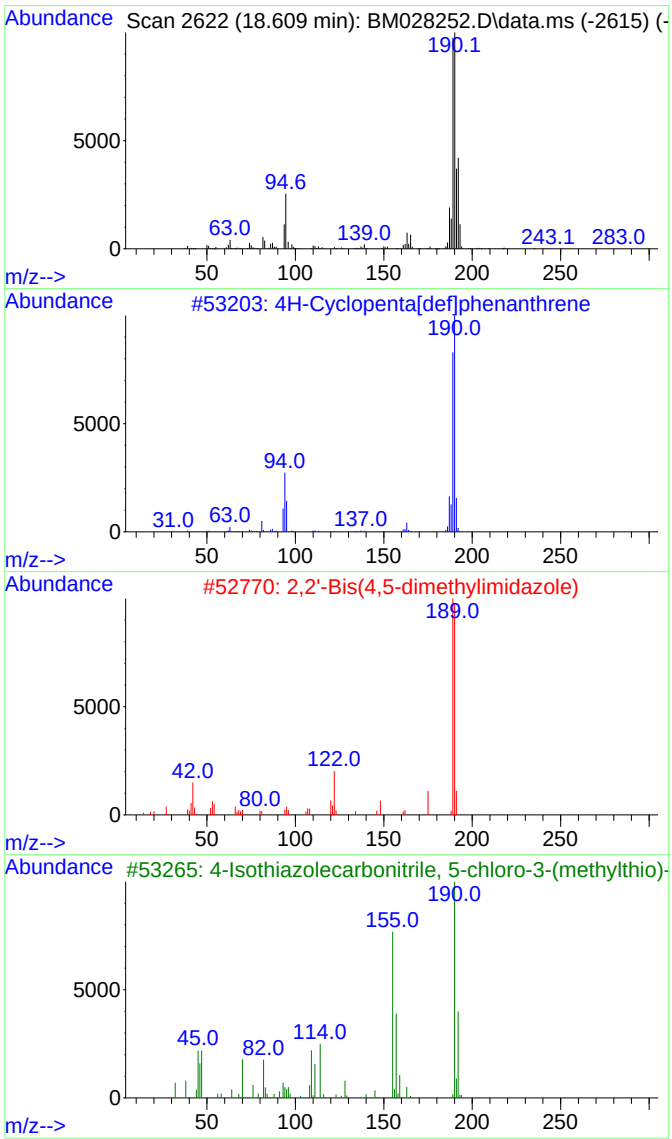
Quant Title :

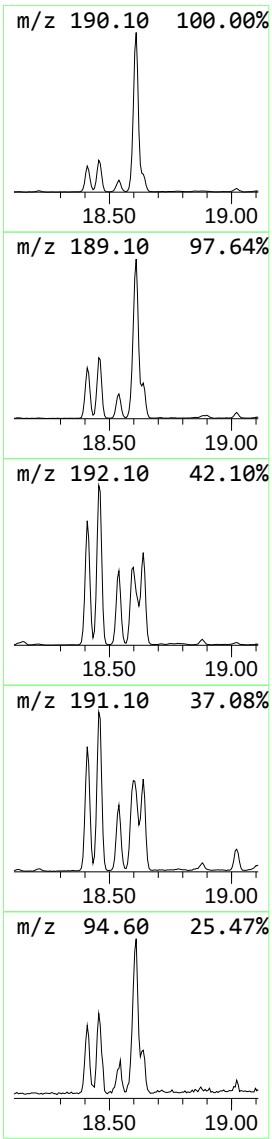
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.609	21.59 ng	1330550	Phenanthrene-d10	17.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	28
3	4-Isothiazolecarbonitrile, 5-chl...	190	C5H3ClN2S2	054798-93-5	25
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	23
5	Carbonic acid, 2-formyl-4,6-dich...	276	C11H10Cl2O4	1000331-39-3	17





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Acq On : 23 Dec 2020 15:29
Operator : JU/CG
Sample : L5189-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 08

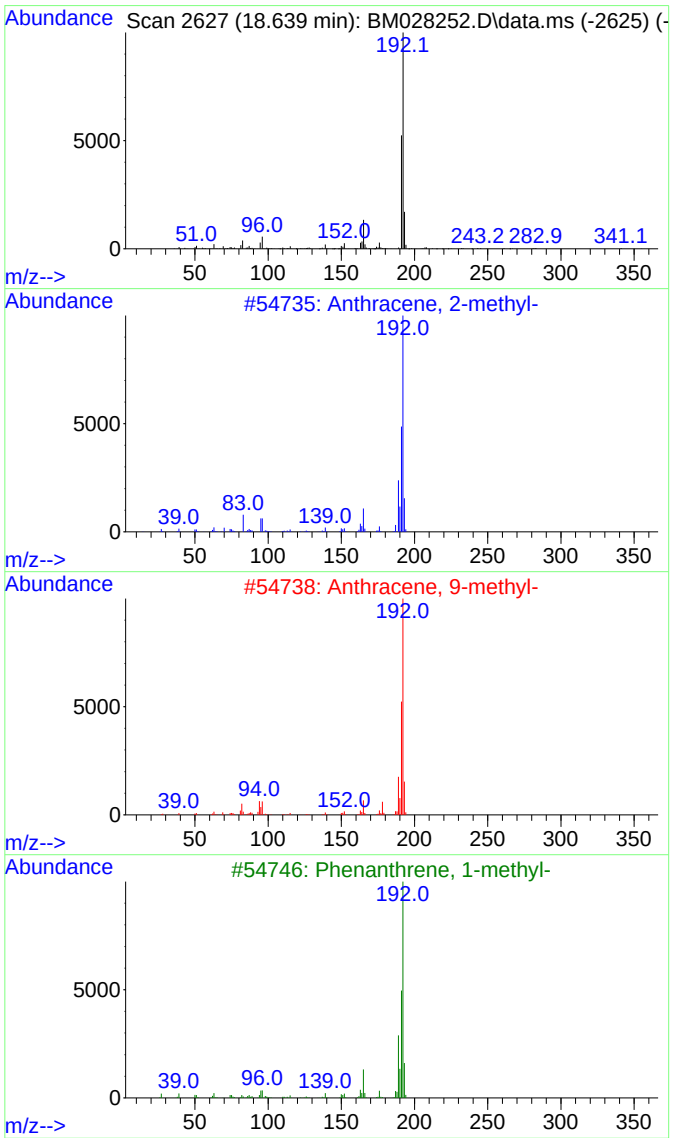
Quant Title :

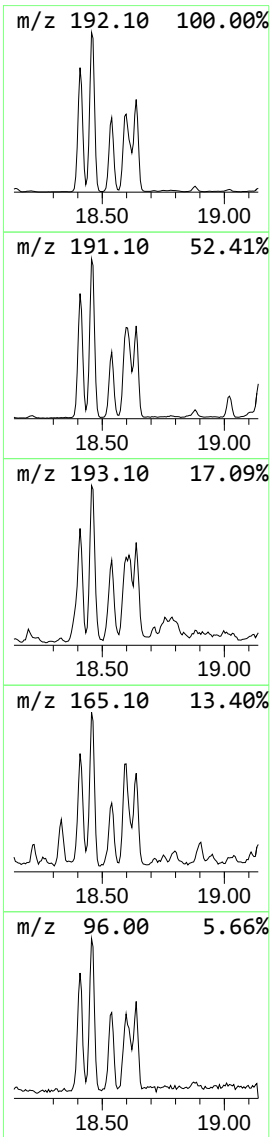
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Anthracene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.639	6.67 ng	410846	Phenanthrene-d10	17.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	91





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Acq On : 23 Dec 2020 15:29
Operator : JU/CG
Sample : L5189-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
08

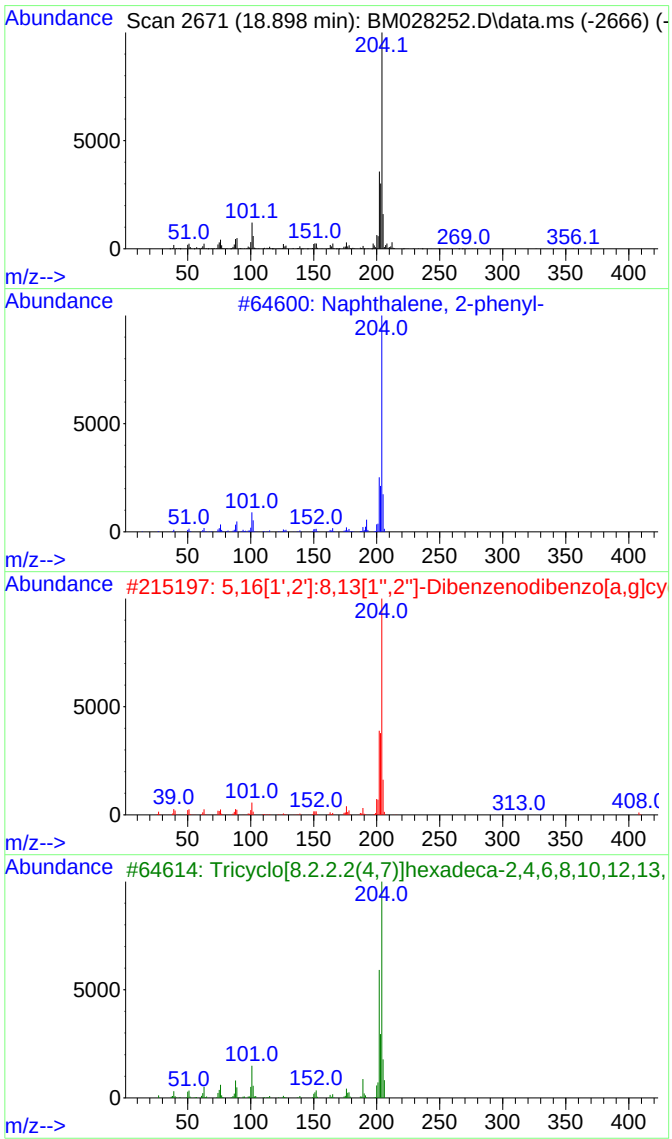
Quant Title :

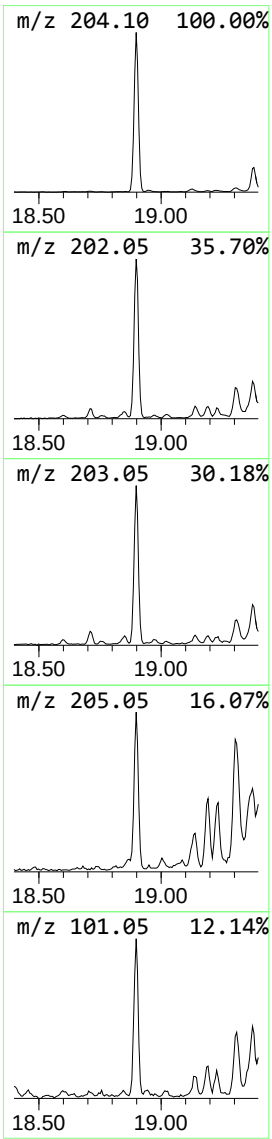
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.898	9.10 ng	561056	Phenanthrene-d10	17.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





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Operator : JU/CG
Sample : L5189-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
08

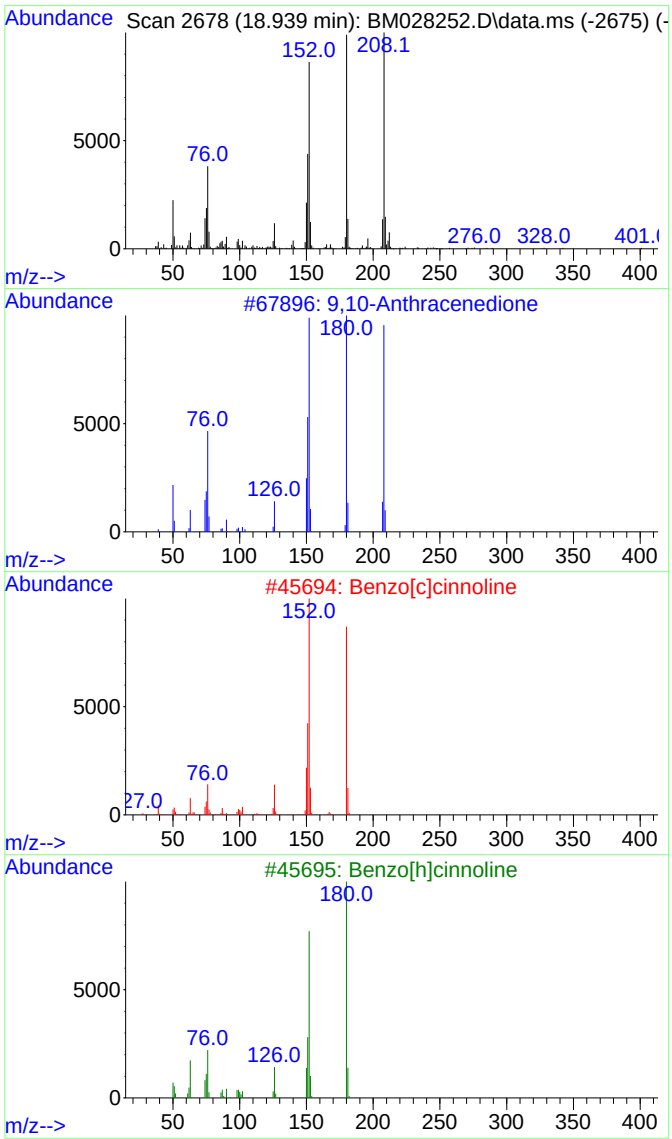
Quant Title :

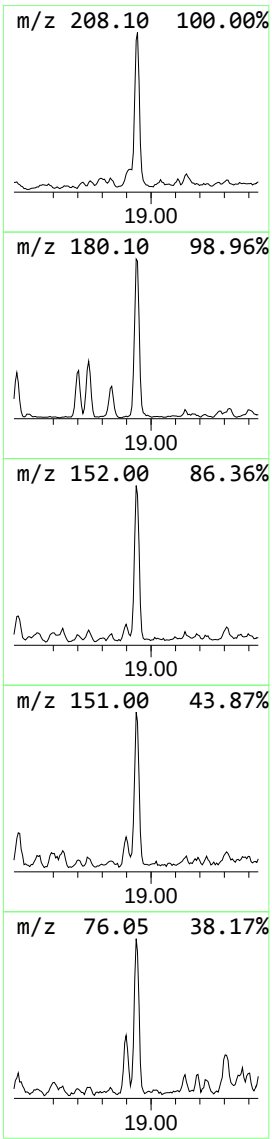
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.939	6.15 ng	378871	Phenanthrene-d10	17.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	70
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62





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Acq On : 23 Dec 2020 15:29
Operator : JU/CG
Sample : L5189-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 08

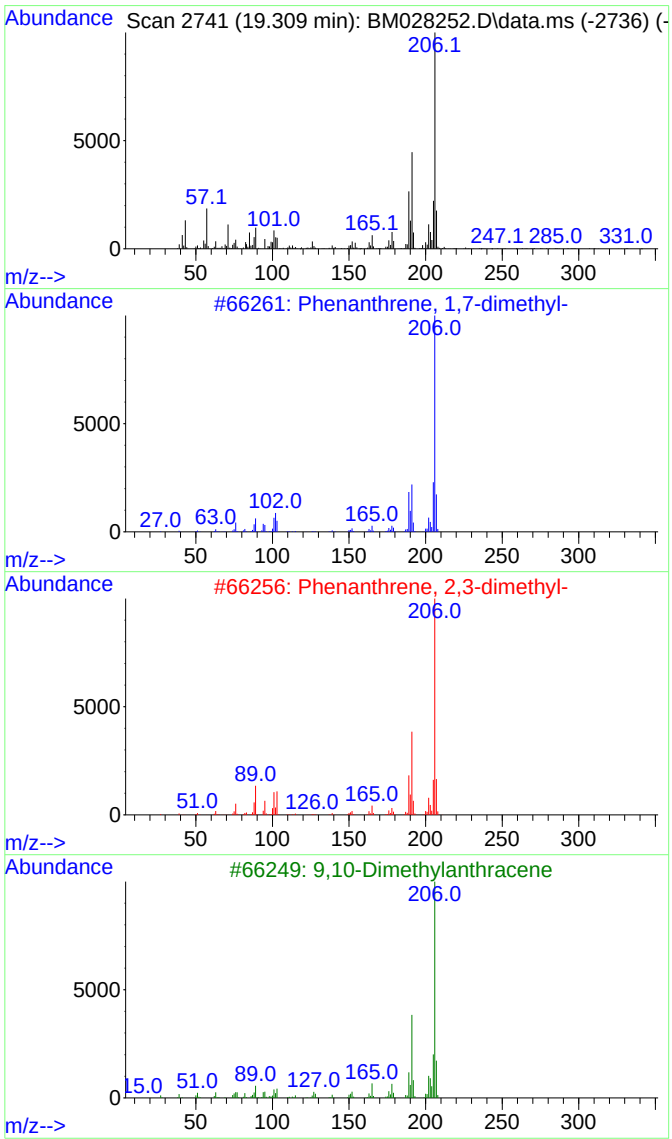
Quant Title :

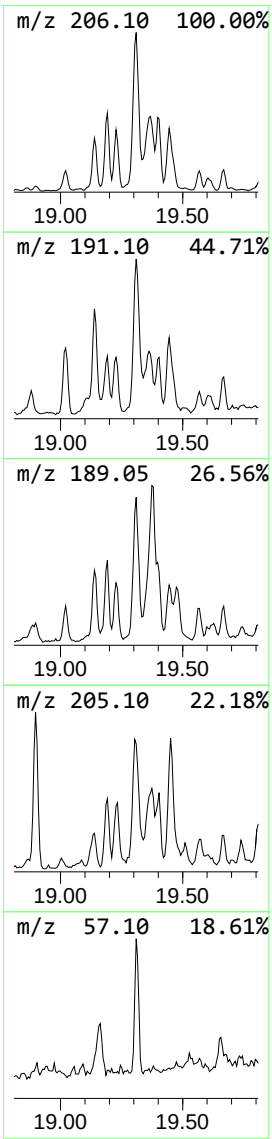
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Phenanthrene, 1,7-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.309	10.14 ng	625112	Phenanthrene-d10	17.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	92
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89





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Data File : BM028252.D
Acq On : 23 Dec 2020 15:29
Operator : JU/CG
Sample : L5189-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 08

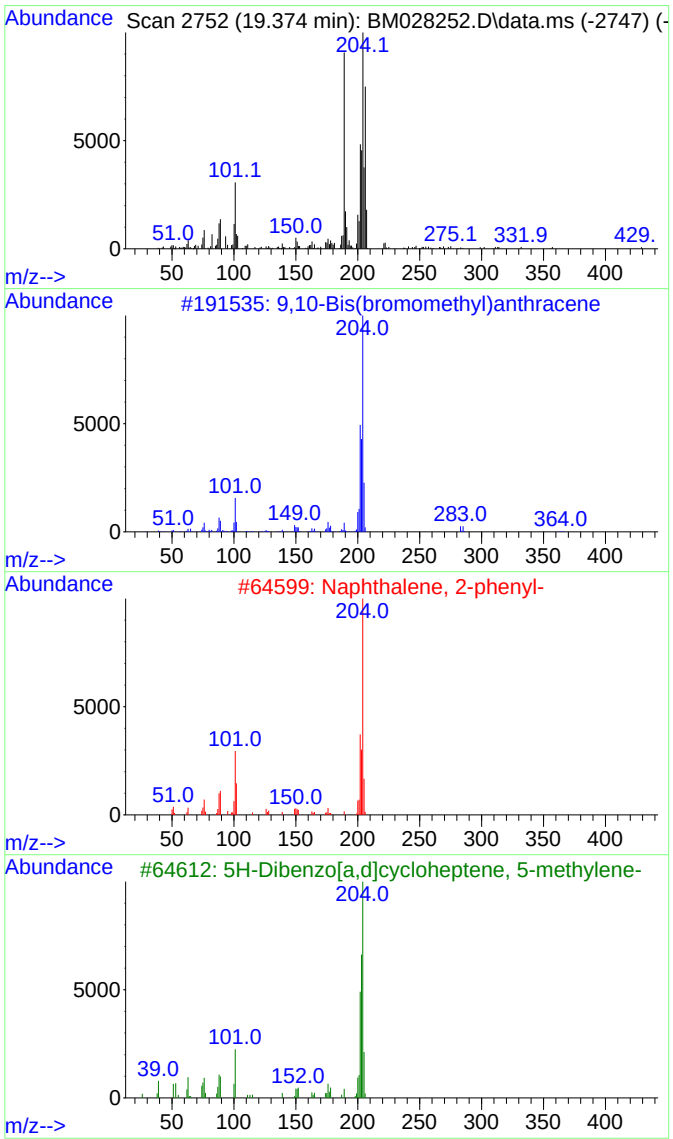
Quant Title :

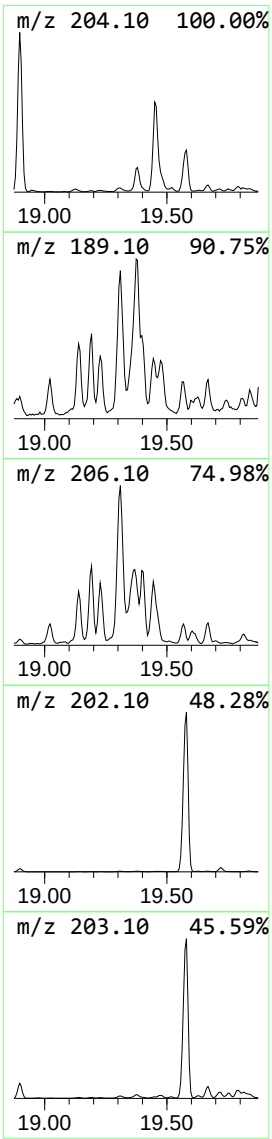
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 unknown-01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.374	3.55 ng	218682	Phenanthrene-d10	17.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	46
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	42
3	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	42
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	38
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	35





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Acq On : 23 Dec 2020 15:29
Operator : JU/CG
Sample : L5189-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
08

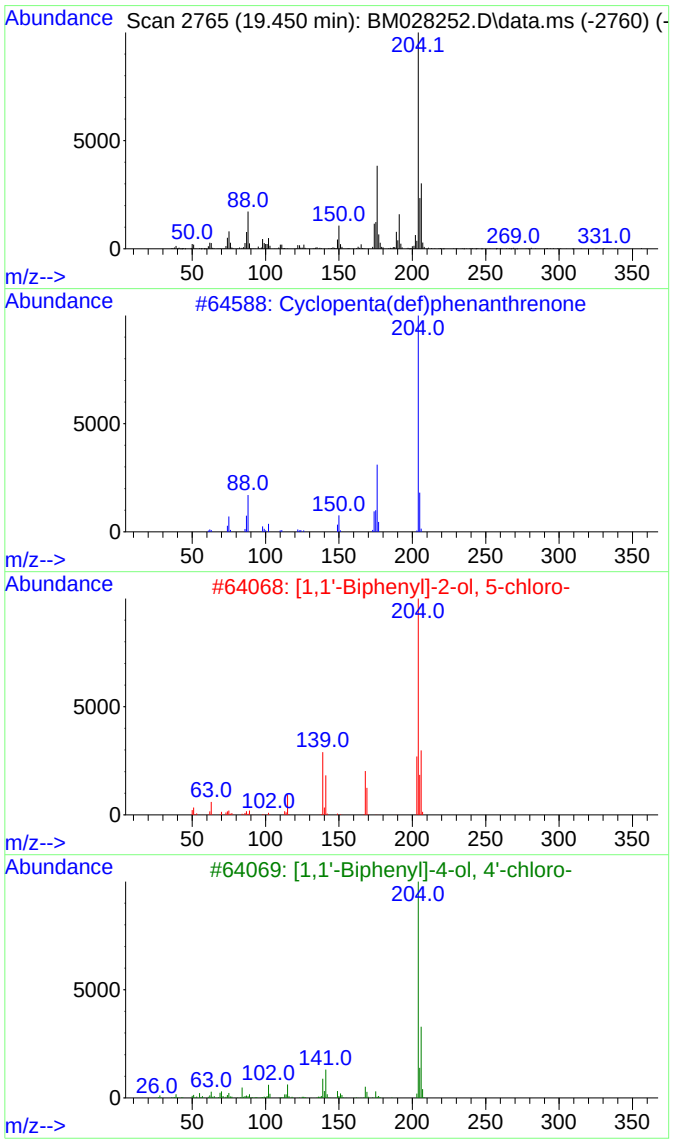
Quant Title :

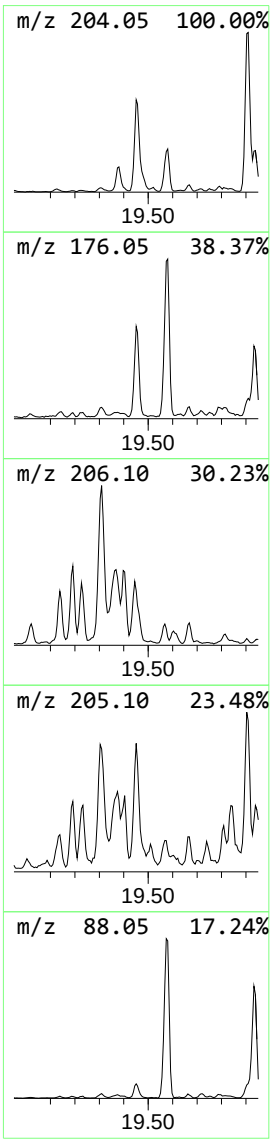
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.451	8.39 ng	516966	Phenanthrene-d10	17.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	46
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
4	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	40
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	38





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Acq On : 23 Dec 2020 15:29
Operator : JU/CG
Sample : L5189-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 08

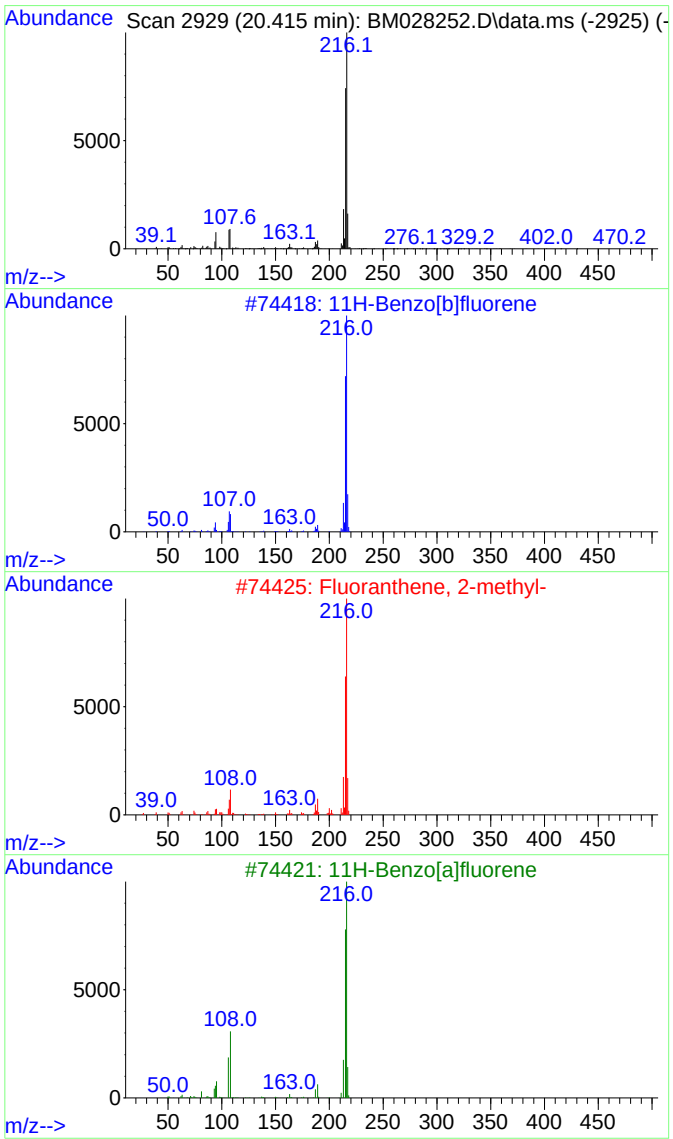
Quant Title :

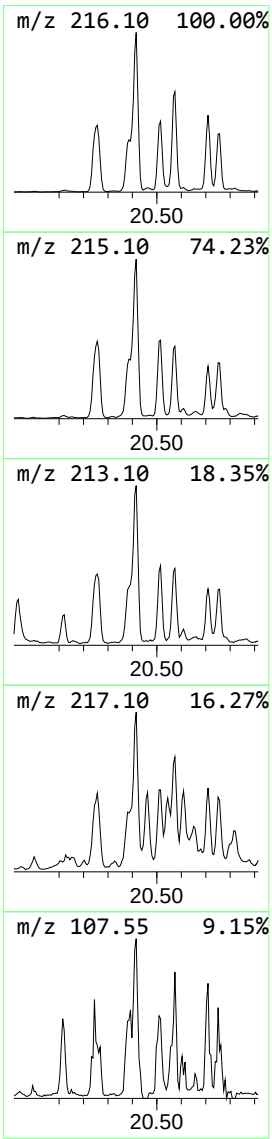
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.415	3.37 ng	1073320	Chrysene-d12	21.662

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	78
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	72





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Operator : JU/CG
Sample : L5189-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 08

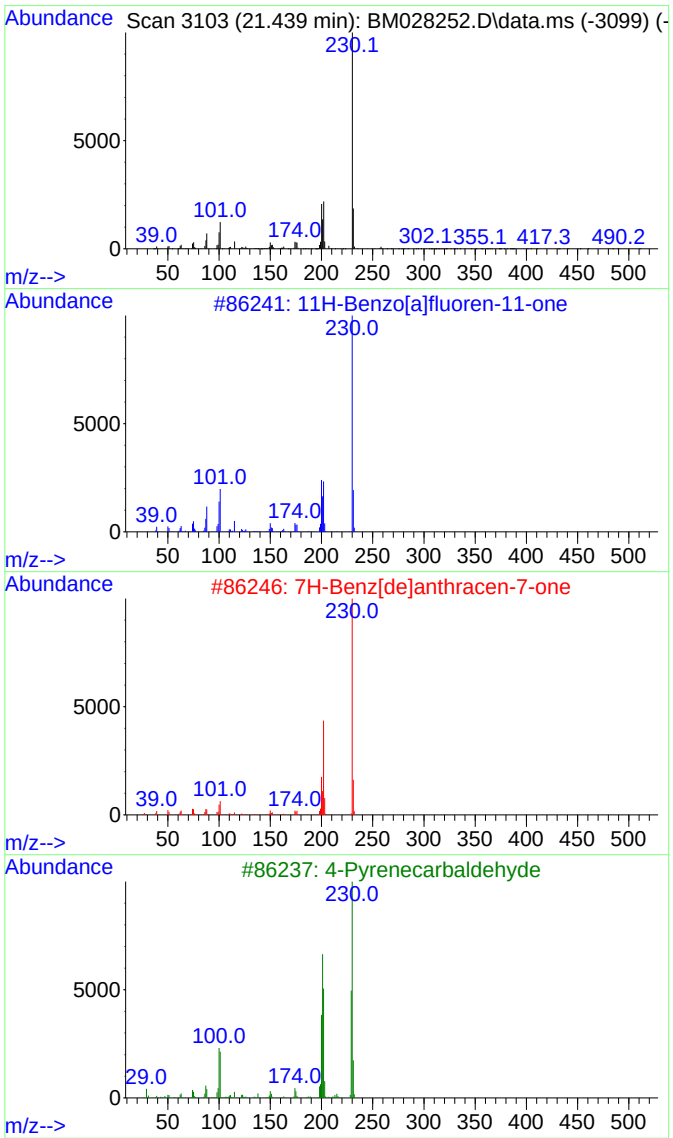
Quant Title :

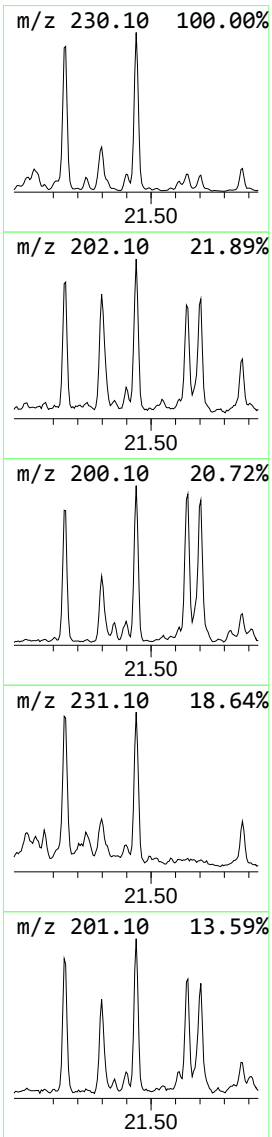
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.439	3.39 ng	1079720	Chrysene-d12	21.662

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
3	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	78
4	4-Isothiazolecarbonitrile, 3,5-b...	230	C8H10N2S3	024135-13-5	59
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	56





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Operator : JU/CG
Sample : L5189-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 08

Quant Title :

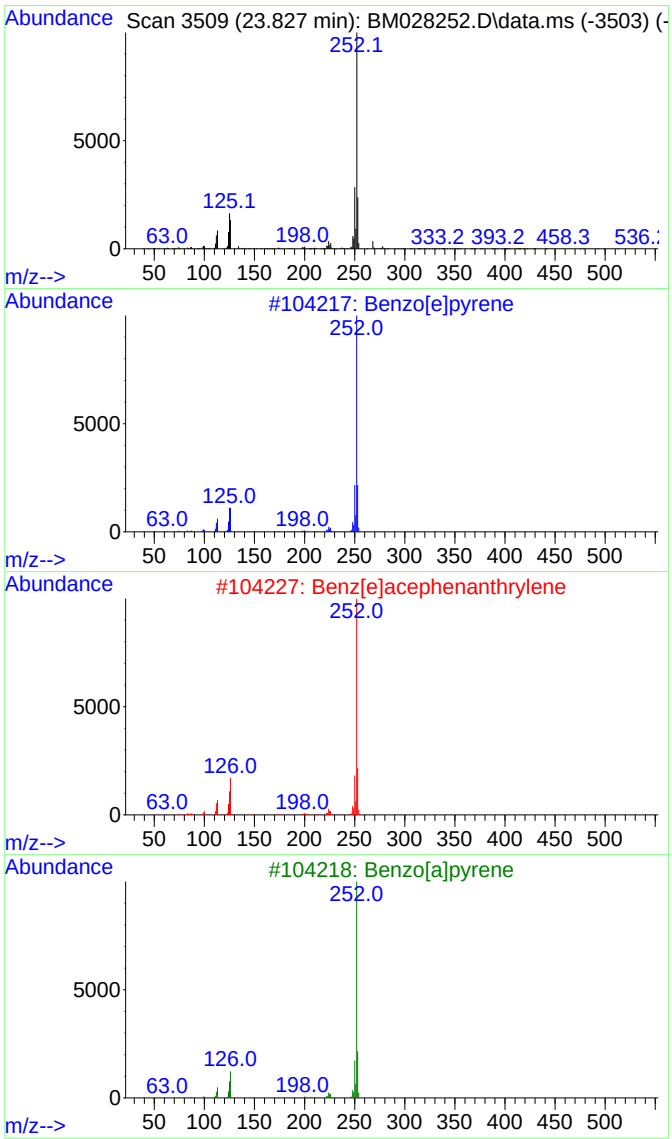
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

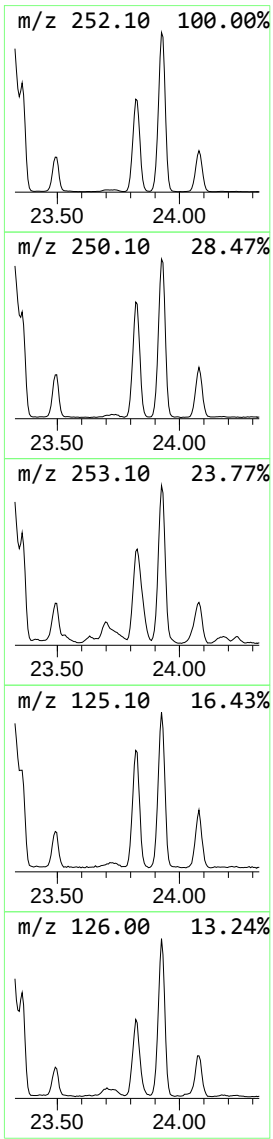
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.827	35.27 ng	2638010	Perylene-d12	24.027

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
5	Perylene	252	C20H12	000198-55-0	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122320\
Data File : BM028252.D
Acq On : 23 Dec 2020 15:29
Operator : JU/CG
Sample : L5189-16
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : 08

Quant Title :

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Tridecane	16.492	3.0	ng	188027	4	17.545	1232640	20.0
9H-Fluoren-9-one	17.198	4.2	ng	259982	4	17.545	1232640	20.0
unknown17.28	17.280	7.0	ng	431775	4	17.545	1232640	20.0
Dibenzothiophene	17.368	4.8	ng	292946	4	17.545	1232640	20.0
Phenanthrene, 1...	18.409	14.1	ng	867789	4	17.545	1232640	20.0
Phenanthrene, 2...	18.456	16.2	ng	1001080	4	17.545	1232640	20.0
4H-Cyclopenta[d...	18.609	21.6	ng	1330550	4	17.545	1232640	20.0
Anthracene, 2-m...	18.639	6.7	ng	410846	4	17.545	1232640	20.0
Naphthalene, 2-...	18.898	9.1	ng	561056	4	17.545	1232640	20.0
9,10-Anthracene...	18.939	6.2	ng	378871	4	17.545	1232640	20.0
Phenanthrene, 1...	19.309	10.1	ng	625112	4	17.545	1232640	20.0
unknown-01	19.374	3.5	ng	218682	4	17.545	1232640	20.0
Cyclopenta(def)...	19.451	8.4	ng	516966	4	17.545	1232640	20.0
11H-Benzo[b]flu...	20.415	3.4	ng	1073320	5	21.662	6373630	20.0
11H-Benzo[a]flu...	21.439	3.4	ng	1079720	5	21.662	6373630	20.0
Benzo[e]pyrene	23.827	35.3	ng	2638010	6	24.027	1495720	20.0