LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
Data File : BM029531.D
Acq On : 16 Apr 2021 20:48
Operator : CG/JU
Sample : M2050-03 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TP-8

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-BM040121.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM029531.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.922	3	6	16	rVB	151690	213736	6.32%	0.596%
2	5.275	400	406	413	rBV	265718	390344	11.55%	1.089%
3	6.851	667	674	683	rBV	257913	429204	12.69%	1.197%
4	7.675	806	814	821	rBV	431090	674457	19.95%	1.881%
5	8.828	1003	1010	1019	rBV	167321	296855	8.78%	0.828%
6	10.451	1279	1286	1292	rBV	543399	912019	26.98%	2.544%
7	10.504	1292	1295	1300	rVB	30349	46232	1.37%	0.129%
8	12.339	1602	1607	1614	rVB	25370	39330	1.16%	0.110%
9	12.928	1700	1707	1716	rBV	313449	464268	13.73%	1.295%
10	13.633	1819	1827	1832	rBV2	31366	53740	1.59%	0.150%
11	13.775	1845	1851	1858	rVB	23069	36417	1.08%	0.102%
12	14.033	1887	1895	1903	rBV	55737	88233	2.61%	0.246%
13	14.310	1933	1942	1948	rBV	759476	1128527	33.38%	3.148%
14	14.375	1948	1953	1960	rVB	146779	214674	6.35%	0.599%
15	14.710	2004	2010	2018	rVV	89569	136755	4.04%	0.381%
16	15.363	2115	2121	2126	rBV	129174	192502	5.69%	0.537%
17	15.657	2166	2171	2180	rVB	51656	84217	2.49%	0.235%
18	15.798	2180	2195	2204	rBV	298781	491487	14.54%	1.371%
19	16.039	2230	2236	2242	rVB5	28904	46810	1.38%	0.131%
20	16.345	2281	2288	2289	rBV3	24338	39978	1.18%	0.112%
21	16.363	2289	2291	2296	rVV4	32810	48430	1.43%	0.135%
22	16.710	2344	2350	2357	rVB	85043	132991	3.93%	0.371%
23	16.792	2359	2364	2370	rBV3	33220	80328	2.38%	0.224%
24	16.874	2373	2378	2388	rVB	93170	148441	4.39%	0.414%
25	17.057	2403	2409	2412	rBV	878351	1246746	36.88%	3.477%
26	17.098	2412	2416	2422	rVV	1978528	2702491	79.93%	7.537%
27	17.157	2422	2426	2427	rVV2	39372	51283	1.52%	0.143%
28	17.186	2427	2431	2437	rVV	385147	546045	16.15%	1.523%
29	17.245	2437	2441	2446	rVV3	39421	59288	1.75%	0.165%
30	17.457	2467	2477	2481	rBV2	165695	292030	8.64%	0.814%
31	17.574	2493	2497	2502	rBV2	34789	45860	1.36%	0.128%
32	17.633	2503	2507	2515	rVB6	35622	61020	1.80%	0.170%
33	17.774	2527	2531	2540	rVB2	17757	39352	1.16%	0.110%
34	17.927	2549	2557	2560	rBV	217839	320814	9.49%	0.895%
35	17.974	2560	2565	2572	rVB	293932	485109	14.35%	1.353%
36	18.057	2573	2579	2584	rBV	106848	154328	4.56%	0.430%

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
Data File : BM029531.D
Acq On : 16 Apr 2021 20:48
Operator : CG/JU
Sample : M2050-03 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TP-8

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-BM040121.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.121	2584	2590	2594	rVV2	274530	508635	15.04%	1.419%
38	18.157	2594	2596	2603	rVB	144591	187083	5.53%	0.522%
39	18.274	2613	2616	2621	rVB2	22301	34155	1.01%	0.095%
40	18.433	2638	2643	2646	rVV	165252	223567	6.61%	0.624%
41	18.468	2646	2649	2656	rVB	152792	213994	6.33%	0.597%
42	18.680	2681	2685	2689	rBV	51575	62030	1.83%	0.173%
43	18.727	2690	2693	2696	rVB2	41960	44712	1.32%	0.125%
44	18.768	2696	2700	2705	rVB2	47831	67240	1.99%	0.188%
45	18.851	2709	2714	2719	rBV2	120567	200573	5.93%	0.559%
46	18.915	2719	2725	2728	rVV5	64185	138056	4.08%	0.385%
47	18.945	2728	2730	2733	rVV	43967	41443	1.23%	0.116%
48	18.992	2733	2738	2746	rVV2	101641	169499	5.01%	0.473%
49	19.115	2753	2759	2765	rVB	2580617	3284210	97.14%	9.160%
50	19.209	2772	2775	2779	rBV3	40537	49015	1.45%	0.137%
51	19.309	2787	2792	2795	rBV2	53998	94126	2.78%	0.263%
52	19.357	2797	2800	2804	rVB	69469	93518	2.77%	0.261%
53	19.480	2810	2821	2828	rBV	2045197	3380906	100.00%	9.430%
54	19.545	2828	2832	2840	rVB4	85557	149433	4.42%	0.417%
55	19.657	2847	2851	2852	rBV	104122	122280	3.62%	0.341%
56	19.680	2852	2855	2859	rVV	374858	480235	14.20%	1.339%
57	19.715	2859	2861	2866	rVB	116303	141535	4.19%	0.395%
58	19.798	2870	2875	2882	rBV4	117470	307210	9.09%	0.857%
59	19.857	2882	2885	2888	rVB	32965	36956	1.09%	0.103%
60	19.939	2895	2899	2901	rBV3	72090	118521	3.51%	0.331%
61	19.968	2901	2904	2909	rVB	202490	279042	8.25%	0.778%
62	20.074	2918	2922	2925	rBV	109241	141295	4.18%	0.394%
63	20.127	2926	2931	2935	rVV2	166022	266752	7.89%	0.744%
64	20.268	2952	2955	2959	rBV3	89217	115771	3.42%	0.323%
65	20.315	2959	2963	2967	rVV	105649	145951	4.32%	0.407%
66	20.715	3028	3031	3038	rVB	187158	252951	7.48%	0.706%
67	20.880	3054	3059	3063	rBV2	154796	269921	7.98%	0.753%
68	20.921	3063	3066	3069	rVV	168839	200786	5.94%	0.560%
69	20.956	3069	3072	3077	rVV2	248782	404767	11.97%	1.129%
70	21.009	3078	3081	3088	rVB2	200550	286324	8.47%	0.799%
71	21.227	3112	3118	3123	rBV3	1520302	3066837	90.71%	8.554%
72	21.268	3123	3125	3136	rVB	986724	1255864	37.15%	3.503%
73	21.386	3142	3145	3151	rBV2	142423	206416	6.11%	0.576%
74	21.545	3169	3172	3177	rVB2	110685	150361	4.45%	0.419%
75	22.786	3377	3383	3387	rBV	807419	1748395	51.71%	4.876%
76	23.250	3458	3462	3471	rVB	471905	906005	26.80%	2.527%

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Acq On : 16 Apr 2021 20:48
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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TP-8

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-BM040121.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	23.345	3473	3478	3485	rVB	741507	1335686	39.51%	3.725%
78	23.445	3489	3495	3500	rBV	712534	1303497	38.55%	3.636%
79	25.662	3865	3872	3883	rVB2	366339	974250	28.82%	2.717%

Sum of corrected areas: 35854144

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
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Acq On : 16 Apr 2021 20:48
Operator : CG/JU
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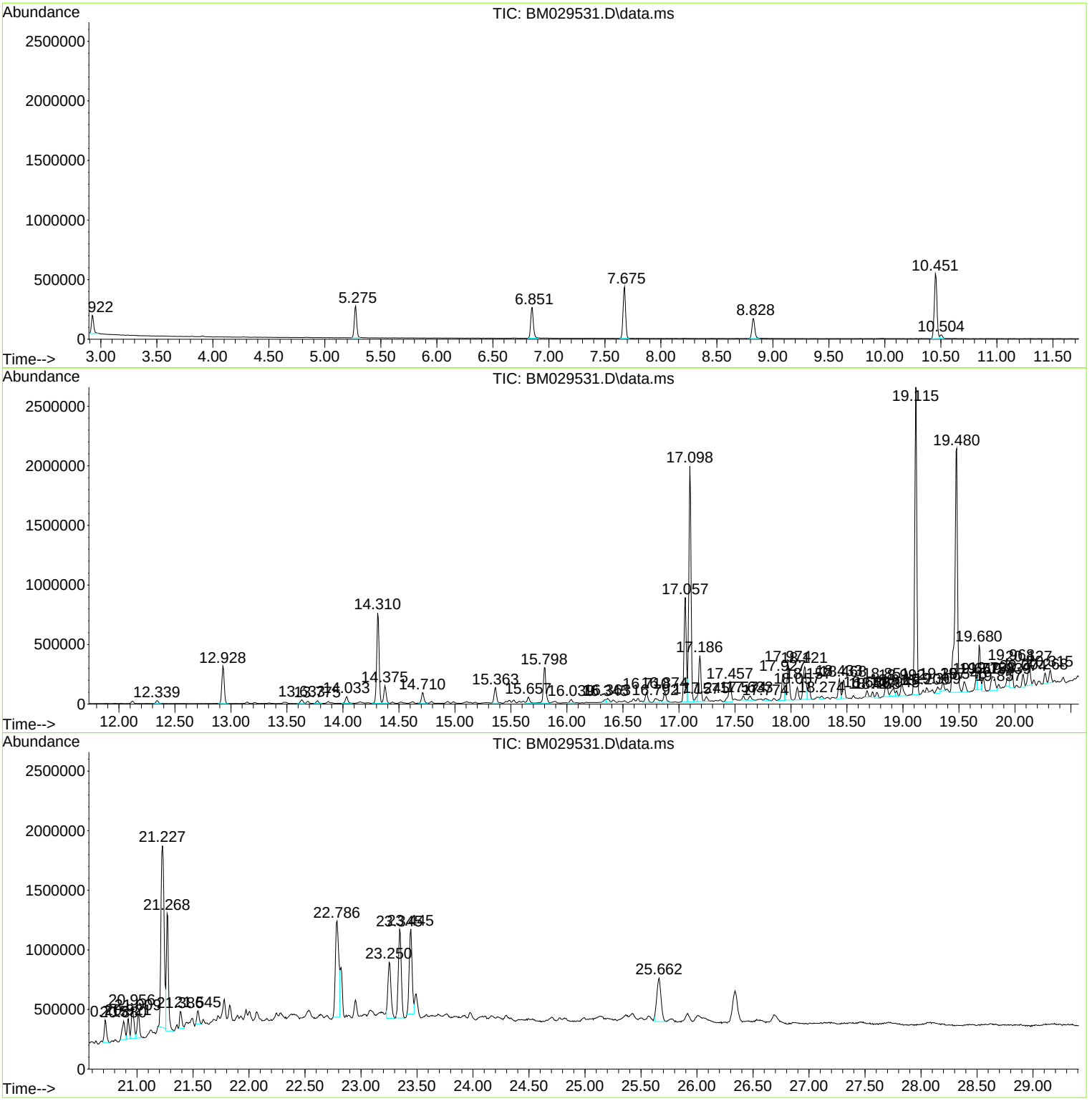
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-8

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
Data File : BM029531.D
Acq On : 16 Apr 2021 20:48
Operator : CG/JU
Sample : M2050-03 5X
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ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

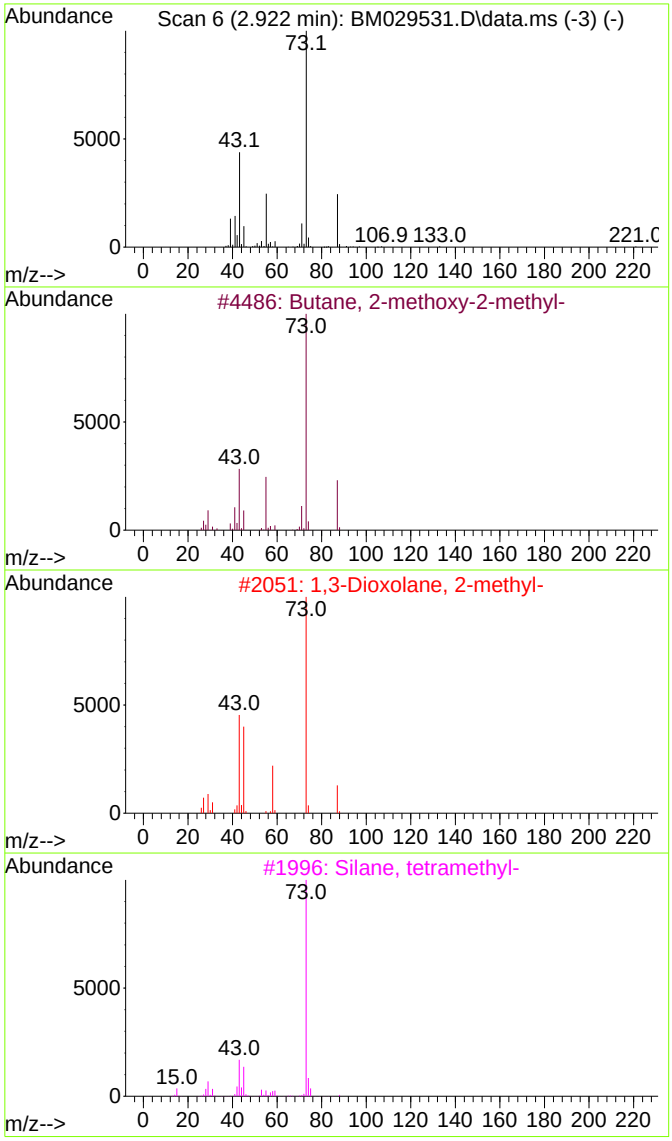
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

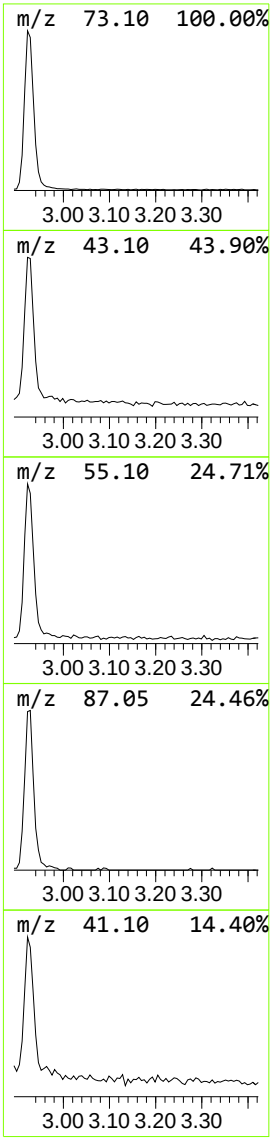
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.922	6.34 ng	213736	1,4-Dichlorobenzene-d4	7.675

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
4	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
Data File : BM029531.D
Acq On : 16 Apr 2021 20:48
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Sample : M2050-03 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-8

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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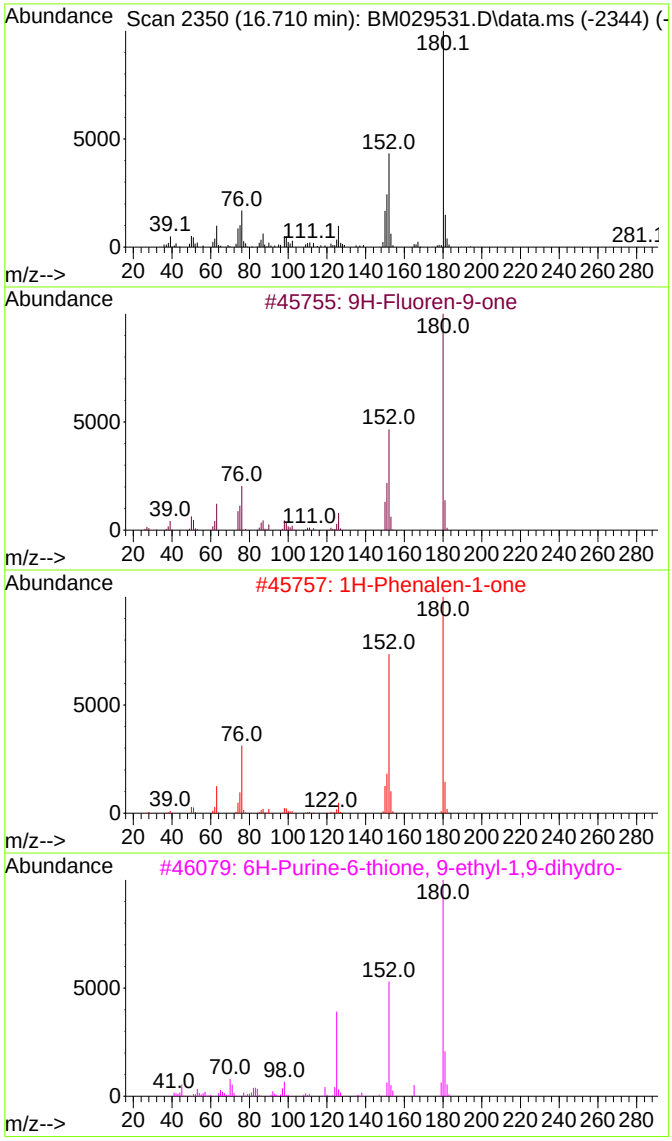
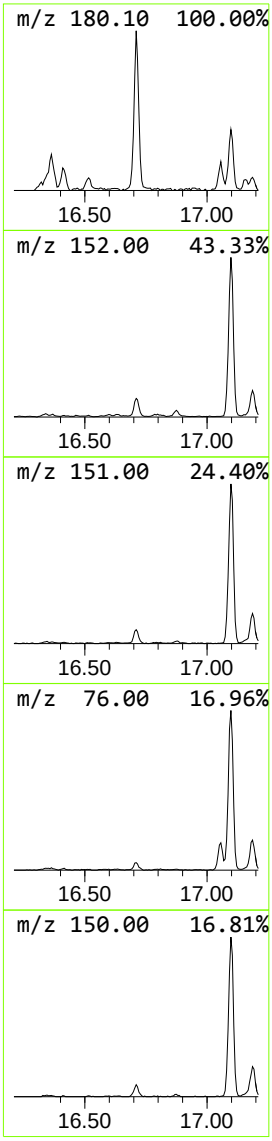
Peak Number 2 9H-Fluoren-9-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.710	2.13 ng	132991	Phenanthrene-d10	17.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	72
3	6H-Purine-6-thione, 9-ethyl-1,9-...	180	C7H8N4S	005427-20-3	59
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	50
5	6-Amino-4H-benzo[1,4]thiazin-3-one	180	C8H8N2OS	1000301-23-2	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
Data File : BM029531.D
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Sample : M2050-03 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TP-8

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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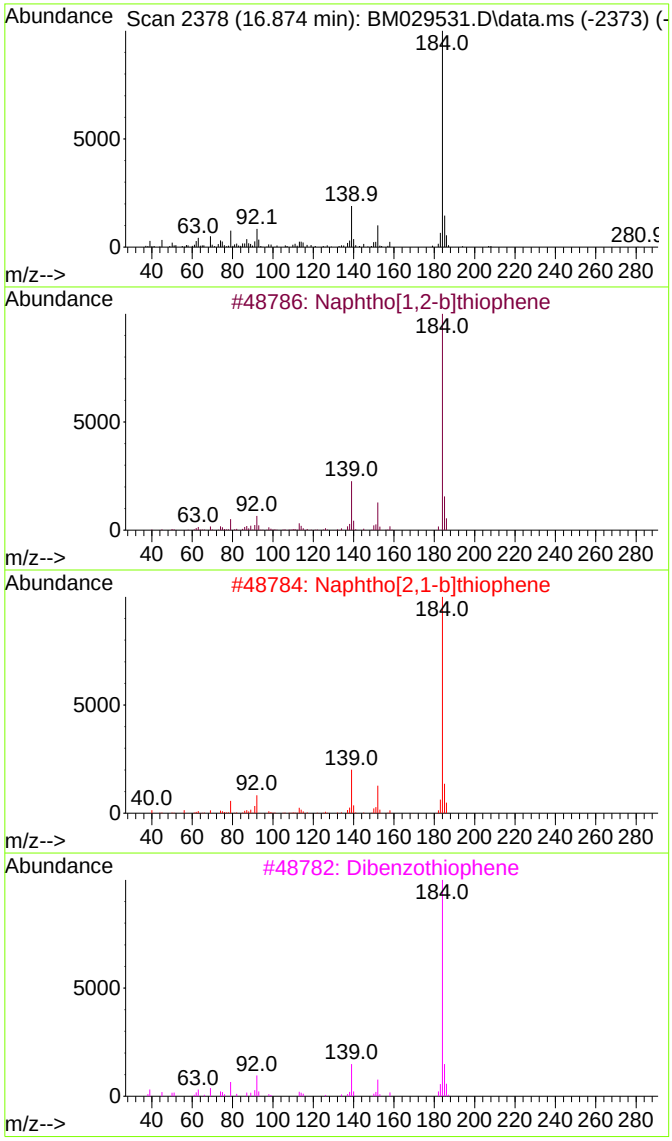
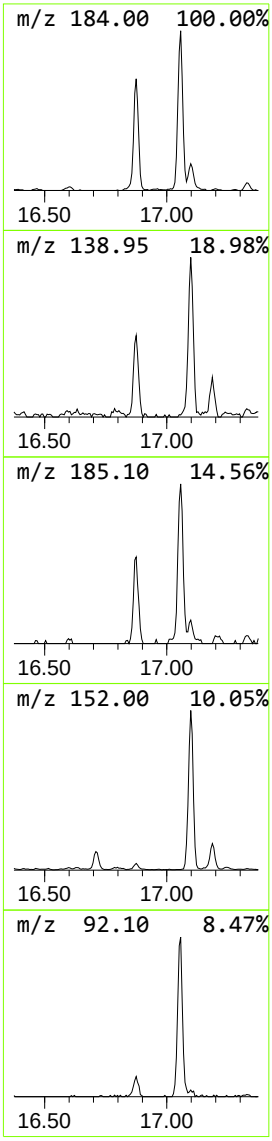
Peak Number 3 Naphtho[1,2-b]thiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.874	2.38 ng	148441	Phenanthrene-d10	17.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
3	Dibenzothiophene	184	C12H8S	000132-65-0	95
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
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Sample : M2050-03 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TP-8

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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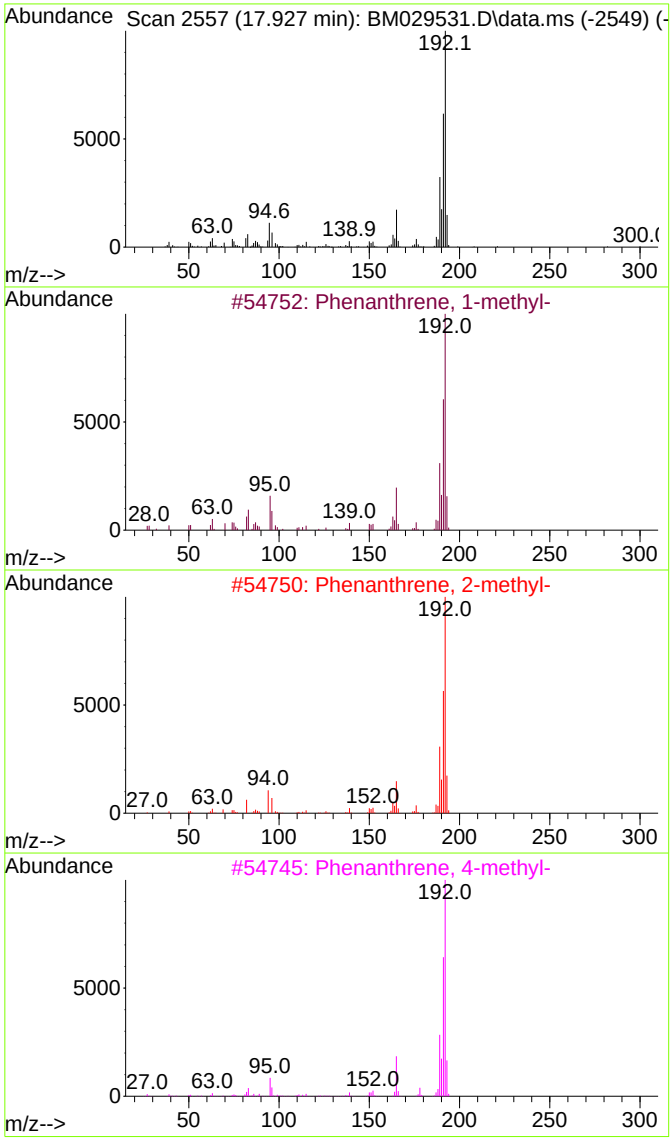
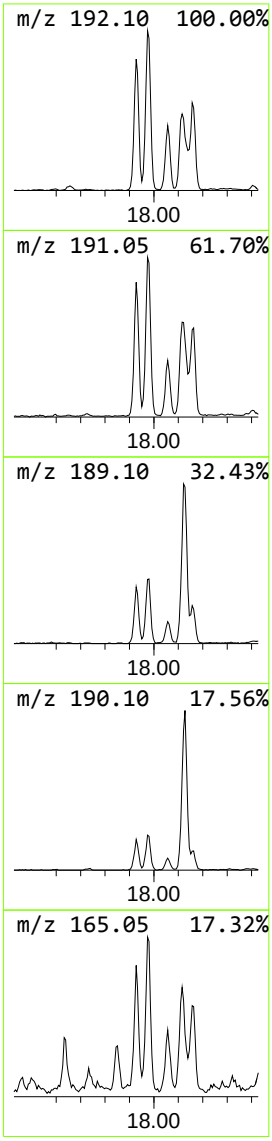
Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.927	5.15 ng	320814	Phenanthrene-d10	17.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
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Operator : CG/JU
Sample : M2050-03 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-8

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

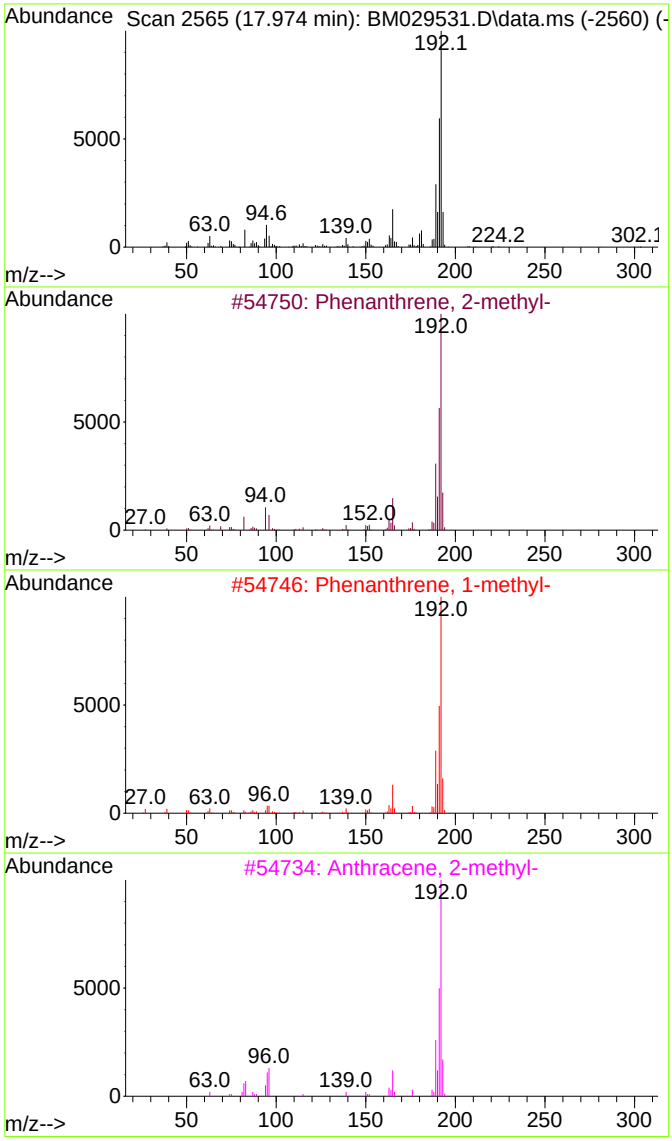
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

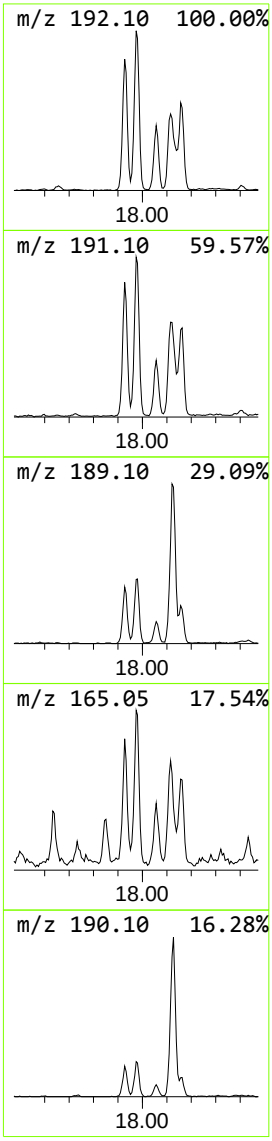
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.974	7.78 ng	485109	Phenanthrene-d10	17.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
Data File : BM029531.D
Acq On : 16 Apr 2021 20:48
Operator : CG/JU
Sample : M2050-03 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-8

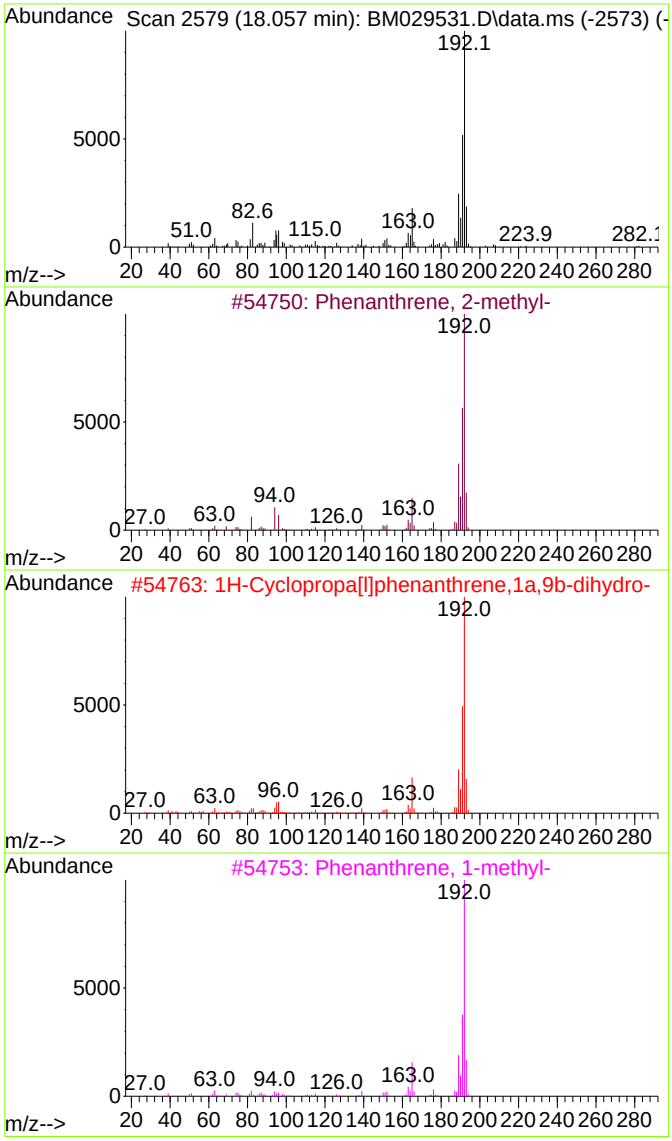
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

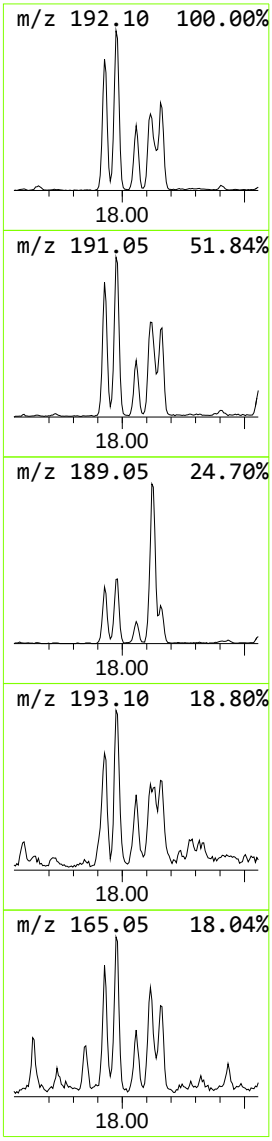
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.057	2.48 ng	154328	Phenanthrene-d10	17.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
Data File : BM029531.D
Acq On : 16 Apr 2021 20:48
Operator : CG/JU
Sample : M2050-03 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-8

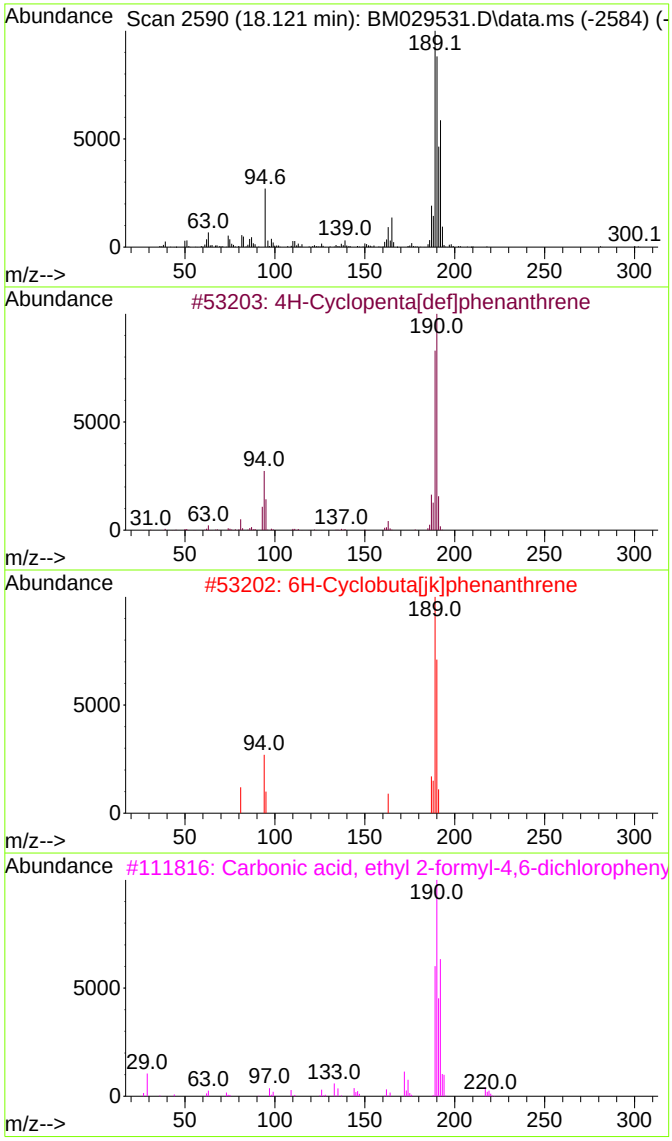
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

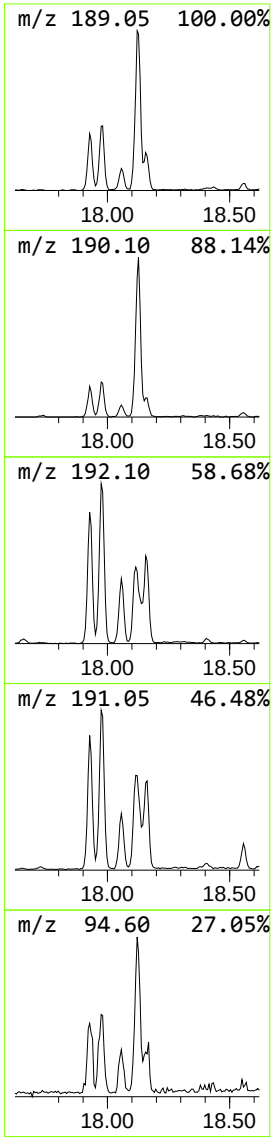
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.121	8.16 ng	508635	Phenanthrene-d10	17.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	30





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Acq On : 16 Apr 2021 20:48
Operator : CG/JU
Sample : M2050-03 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TP-8

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

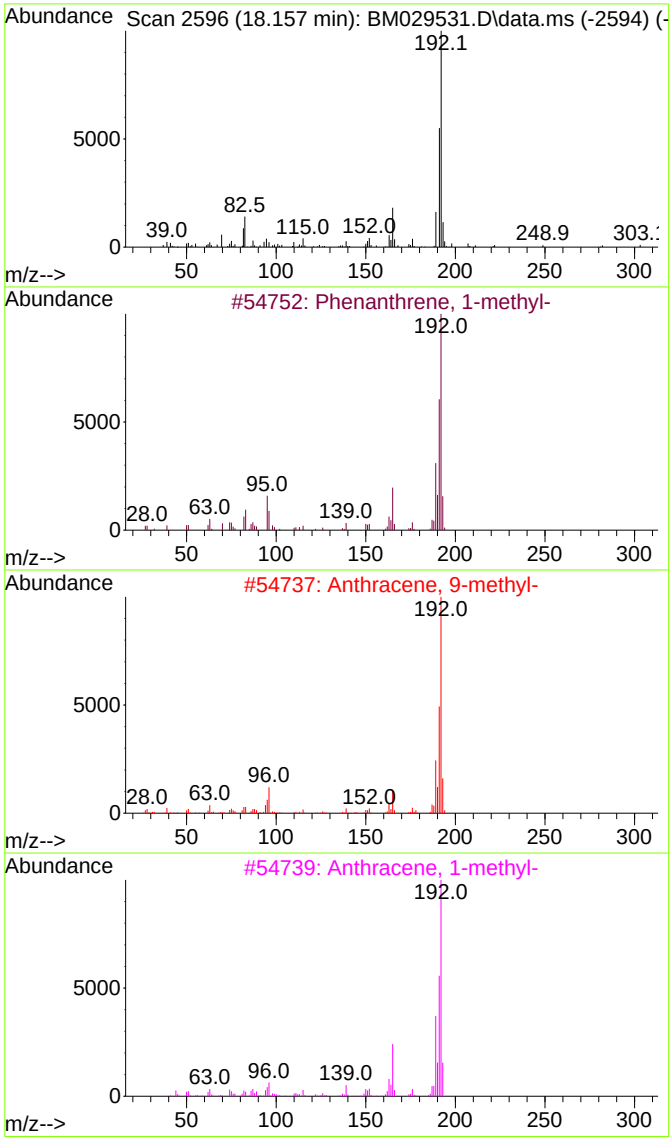
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

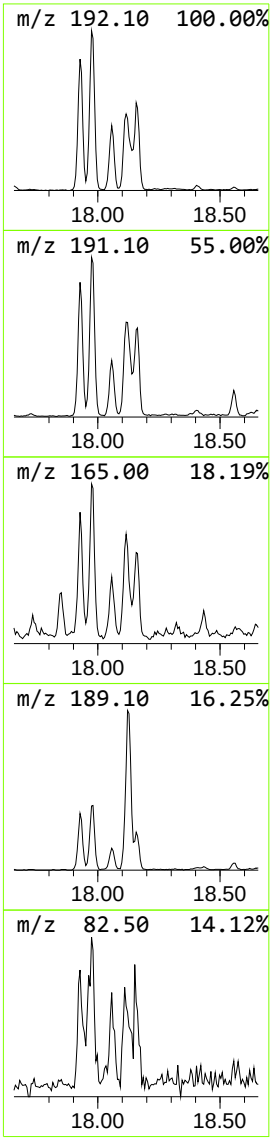
****

Peak Number 8 Anthracene, 9-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.157	3.00 ng	187083	Phenanthrene-d10	17.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	76
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	76





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Acq On : 16 Apr 2021 20:48
Operator : CG/JU
Sample : M2050-03 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TP-8

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

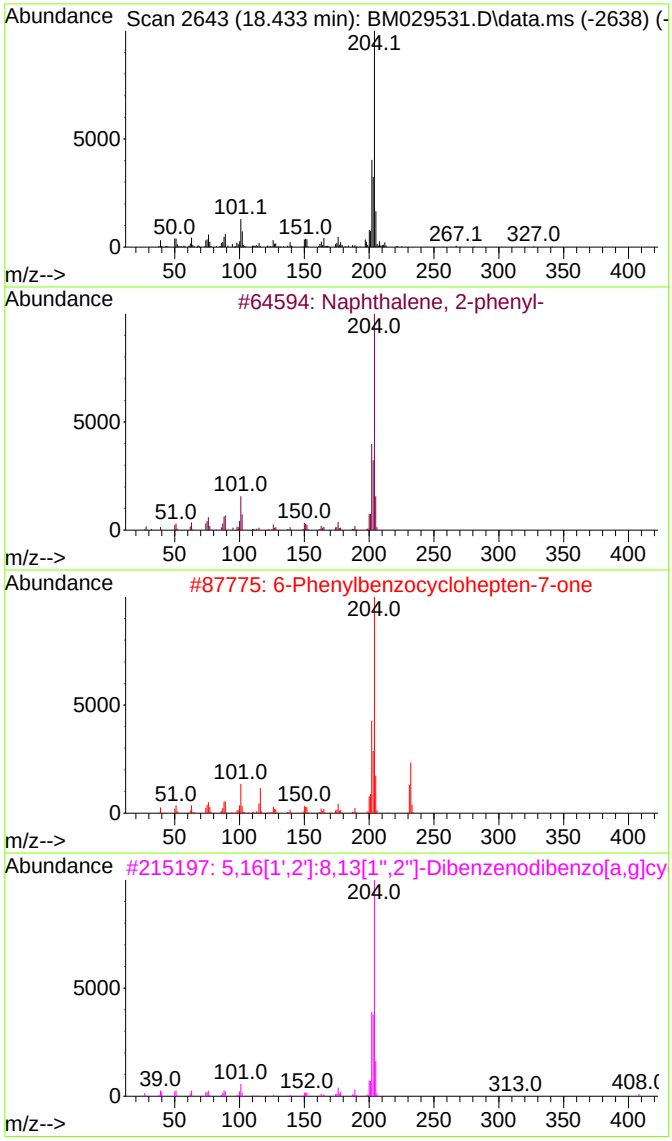
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

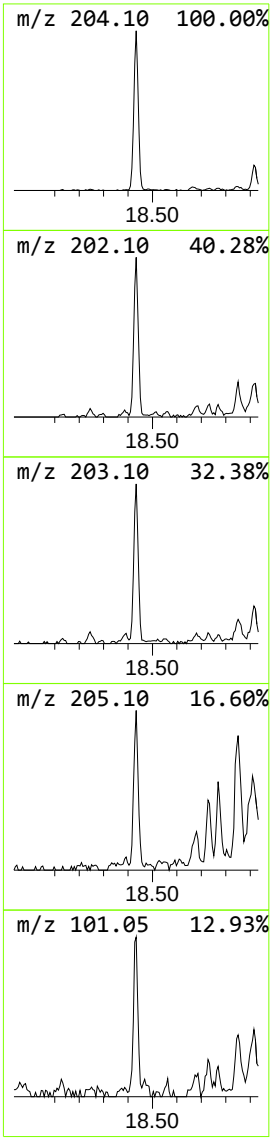
****

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.433	3.59 ng	223567	Phenanthrene-d10	17.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	91
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	68





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Data File : BM029531.D
Acq On : 16 Apr 2021 20:48
Operator : CG/JU
Sample : M2050-03 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TP-8

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

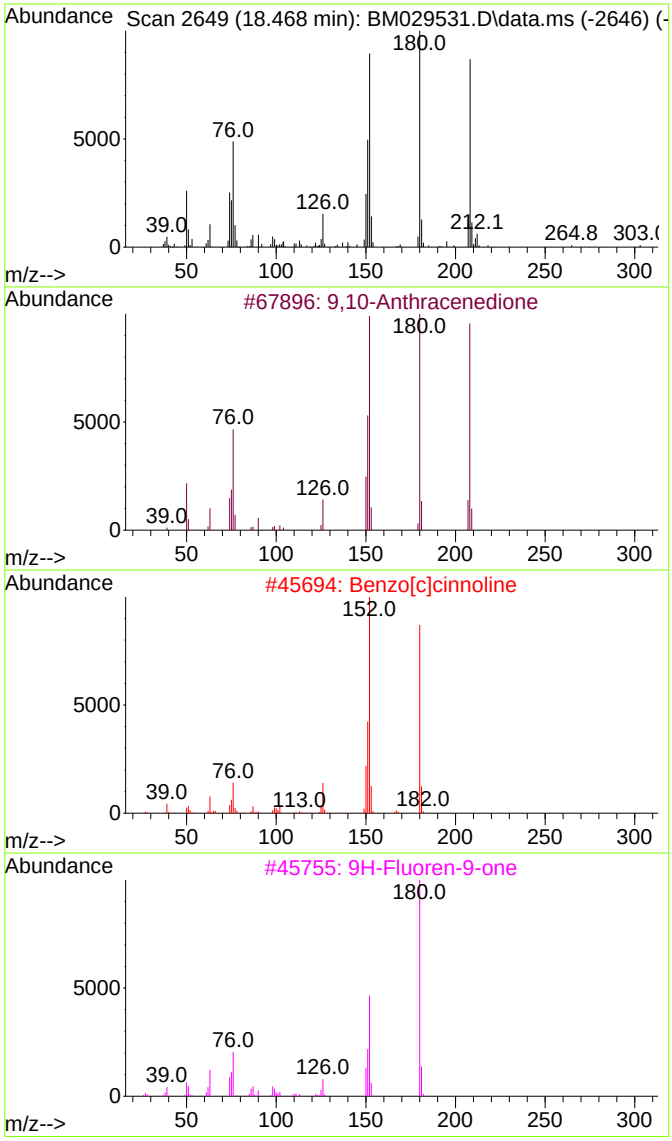
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

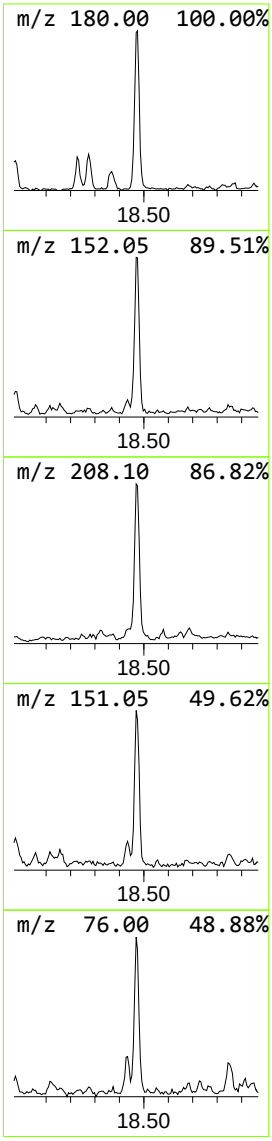
****

Peak Number 10 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.468	3.43 ng	213994	Phenanthrene-d10	17.057

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	90
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	53
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	49





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Acq On : 16 Apr 2021 20:48
Operator : CG/JU
Sample : M2050-03 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TP-8

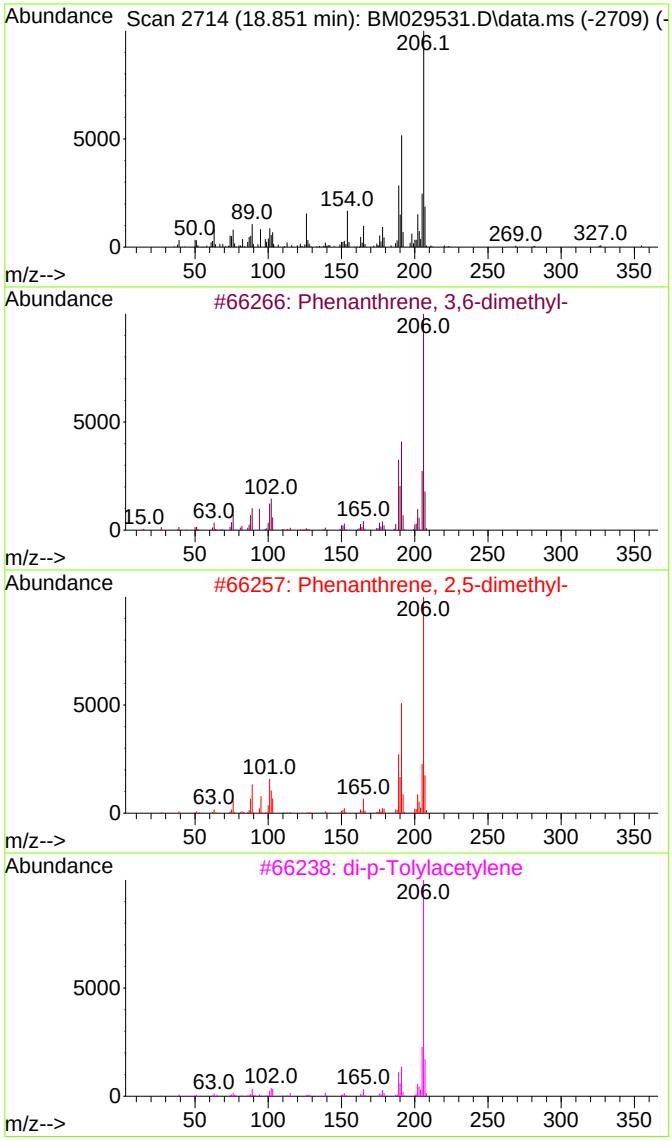
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

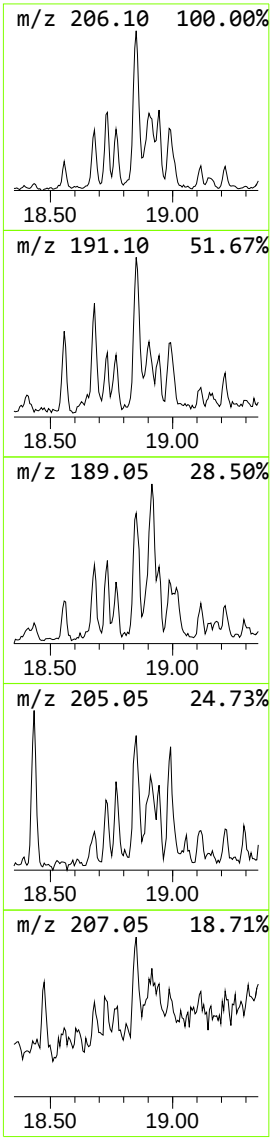
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.851	3.22 ng	200573	Phenanthrene-d10	17.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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Acq On : 16 Apr 2021 20:48
Operator : CG/JU
Sample : M2050-03 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TP-8

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

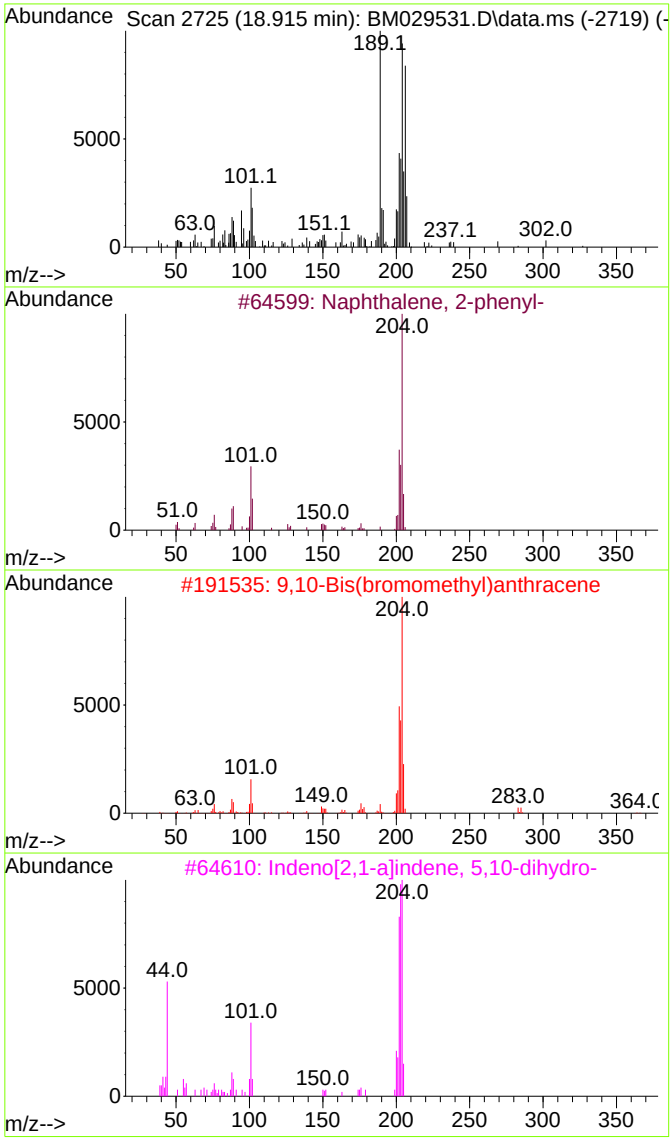
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

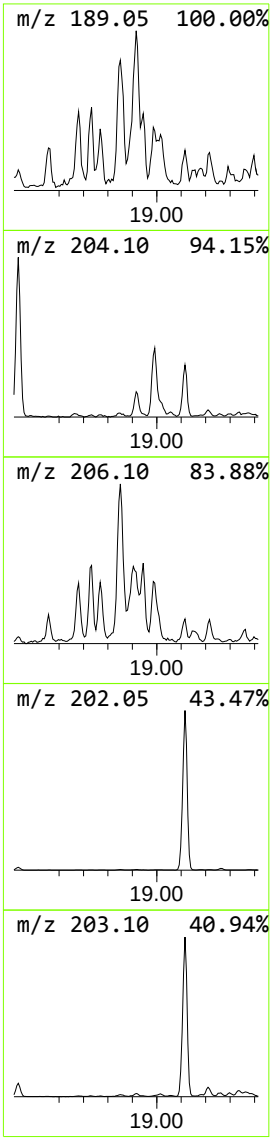
****

Peak Number 12 unknown18.915 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.915	2.21 ng	138056	Phenanthrene-d10	17.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	42
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
3	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	35
4	Levamisole	204	C11H12N2S	014769-73-4	30
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	30





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Acq On : 16 Apr 2021 20:48
Operator : CG/JU
Sample : M2050-03 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TP-8

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

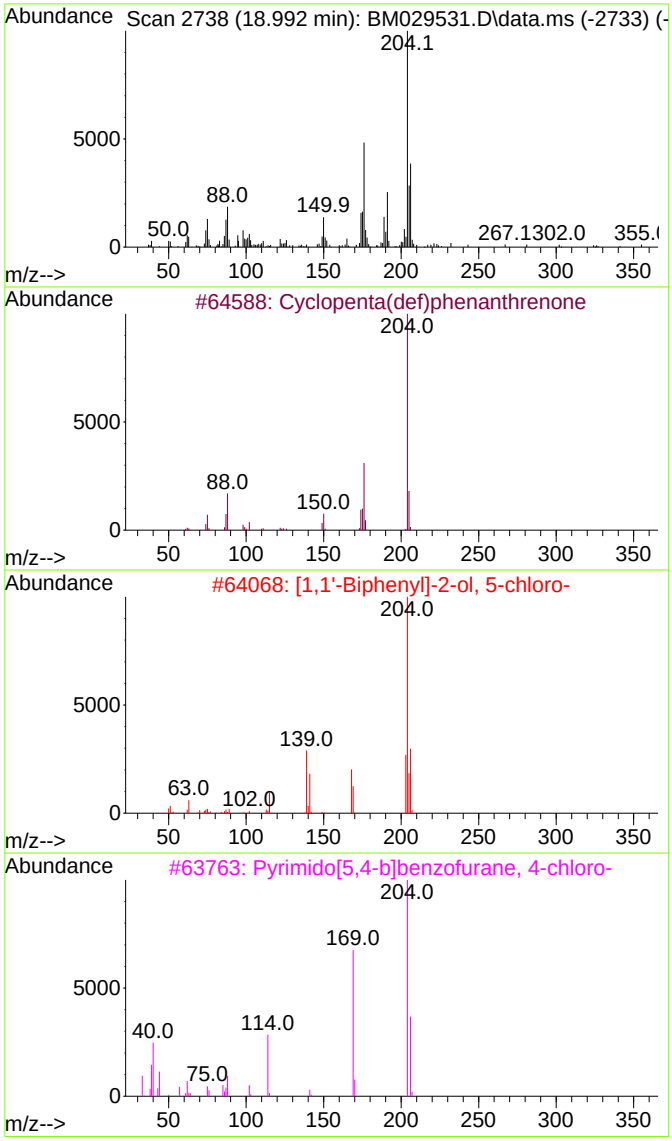
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

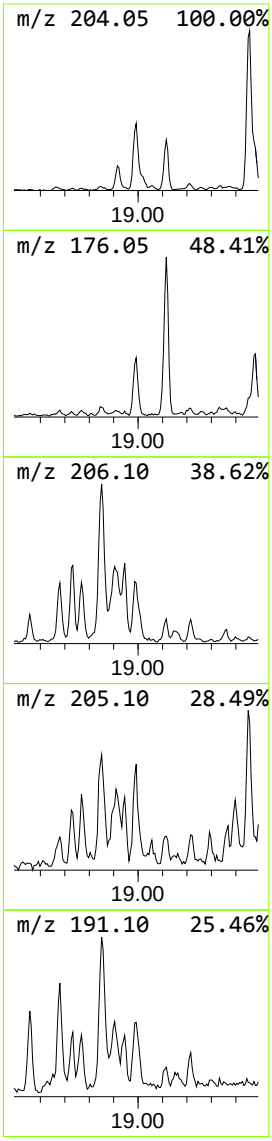
****

Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.992	2.72 ng	169499	Phenanthrene-d10	17.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	64
2	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	46
3	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	38
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	38
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	38





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Acq On : 16 Apr 2021 20:48
Operator : CG/JU
Sample : M2050-03 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TP-8

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

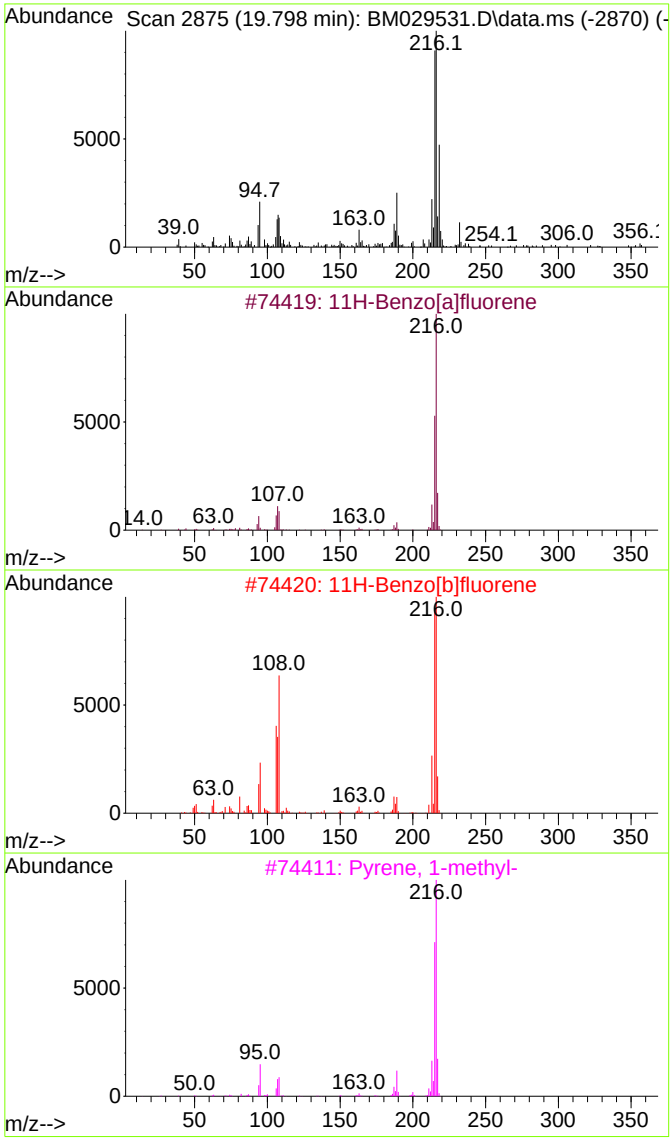
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

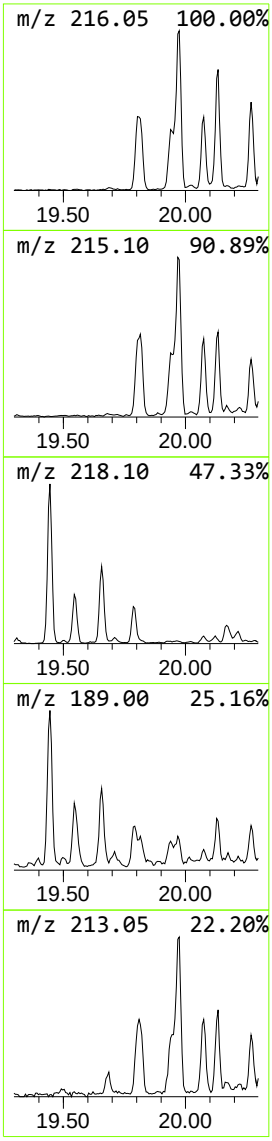
****

Peak Number 14 11H-Benzo[a]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.798	2.00 ng	307210	Chrysene-d12	21.233

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	89
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	78
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	59
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	52





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Acq On : 16 Apr 2021 20:48
Operator : CG/JU
Sample : M2050-03 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-8

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

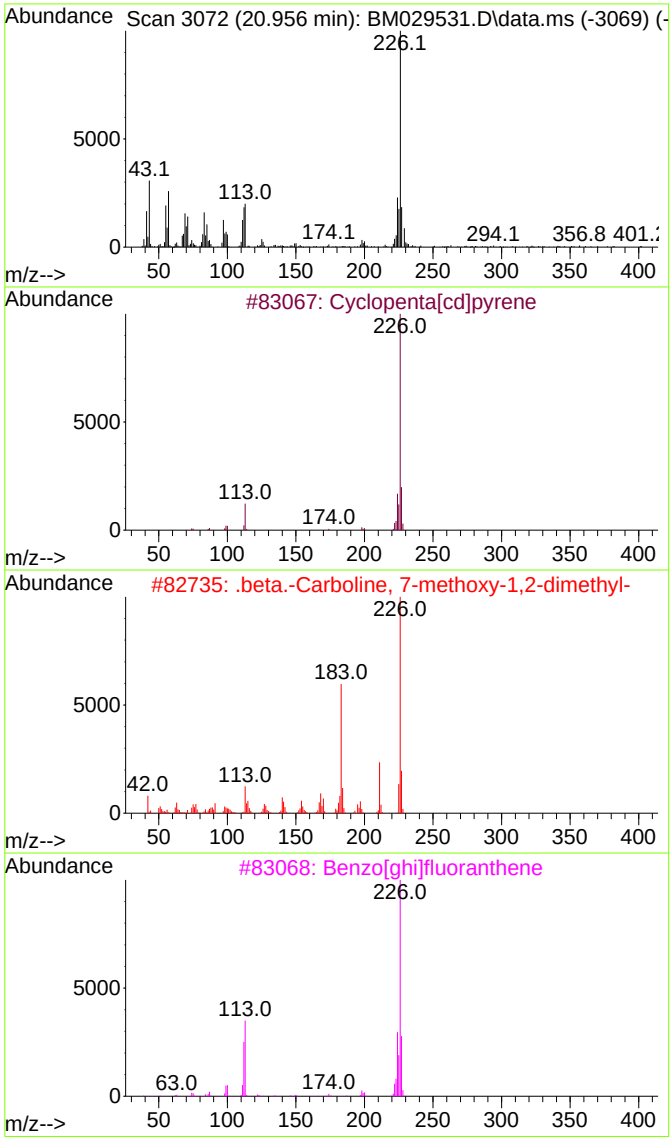
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

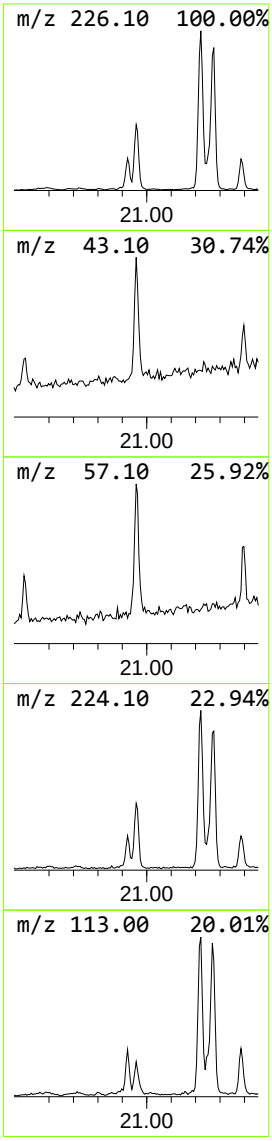
****

Peak Number 15 Cyclopenta[cd]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.956	2.64 ng	404767	Chrysene-d12	21.233

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	58
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	40
3	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	38
4	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	37
5	4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	33





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Operator : CG/JU
Sample : M2050-03 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-8

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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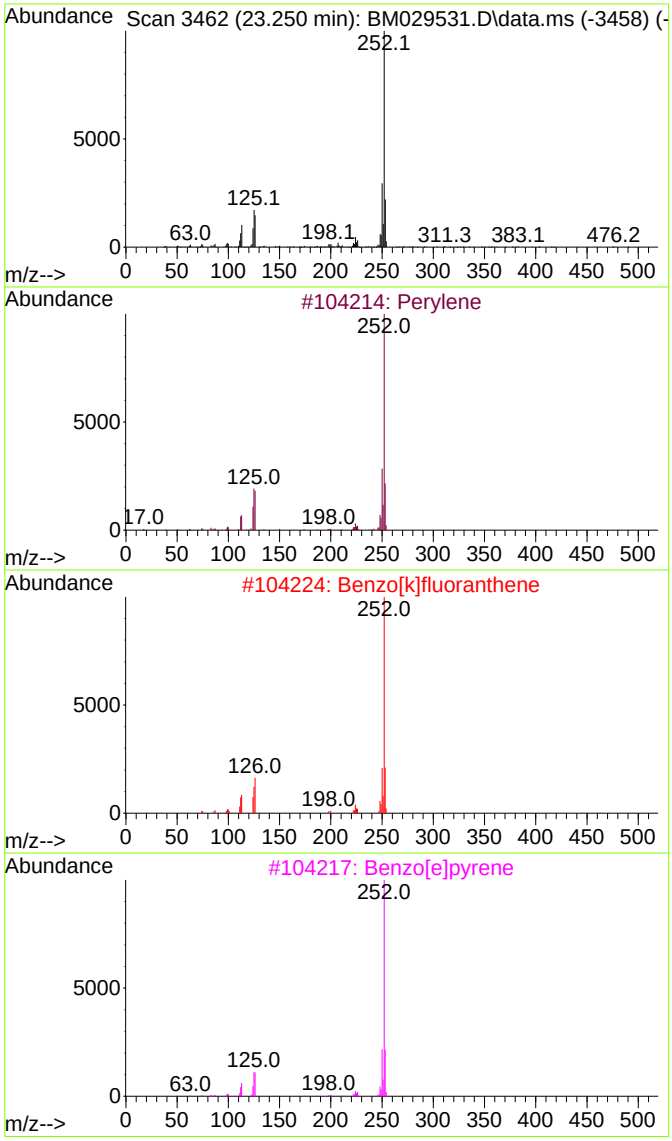
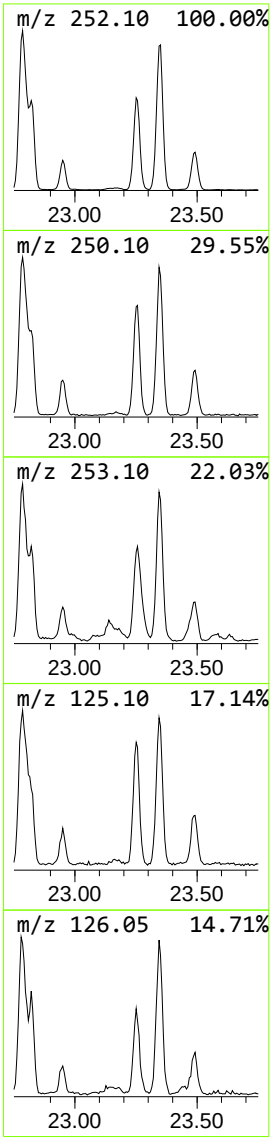
Peak Number 16 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.250	13.90 ng	906005	Perylene-d12	23.445

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
Data File : BM029531.D
Acq On : 16 Apr 2021 20:48
Operator : CG/JU
Sample : M2050-03 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : TP-8

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.922	6.3	ng	213736	1	7.675	674457	20.0
9H-Fluoren-9-one	16.710	2.1	ng	132991	4	17.057	1246750	20.0
Naphtho[1,2-b]t...	16.874	2.4	ng	148441	4	17.057	1246750	20.0
Phenanthrene, 1...	17.927	5.2	ng	320814	4	17.057	1246750	20.0
Phenanthrene, 2...	17.974	7.8	ng	485109	4	17.057	1246750	20.0
1H-Cyclopropa[l...	18.057	2.5	ng	154328	4	17.057	1246750	20.0
4H-Cyclopenta[d...	18.121	8.2	ng	508635	4	17.057	1246750	20.0
Anthracene, 9-m...	18.157	3.0	ng	187083	4	17.057	1246750	20.0
Naphthalene, 2-...	18.433	3.6	ng	223567	4	17.057	1246750	20.0
9,10-Anthracene...	18.468	3.4	ng	213994	4	17.057	1246750	20.0
Phenanthrene, 3...	18.851	3.2	ng	200573	4	17.057	1246750	20.0
unknown18.915	18.915	2.2	ng	138056	4	17.057	1246750	20.0
Cyclopenta(def)...	18.992	2.7	ng	169499	4	17.057	1246750	20.0
11H-Benzo[a]flu...	19.798	2.0	ng	307210	5	21.233	3066840	20.0
Cyclopenta[cd]p...	20.956	2.6	ng	404767	5	21.233	3066840	20.0
Perylene	23.250	13.9	ng	906005	6	23.445	1303500	20.0