

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102419\
 Data File : BM023387.D
 Acq On : 24 Oct 2019 19:53
 Operator : JU
 Sample : K5346-03MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ETOL4MSD

Manual Integrations
 APPROVED

mohammad
 10/26/2019 10:04:07 AM

Quant Time: Oct 24 23:14:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 23 18:47:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	596945	20.00	ng/ul	0.00
18) Naphthalene-d8	10.42	136	2164284	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	1209104	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	2322948	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	2342675	20.00	ng/ul	0.00
86) Perylene-d12	23.44	264	2966036	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.16	96	64103	5.10	ng/uL	0.00
5) Phenol-d5	6.83	99	1130626	22.55	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.98	67	778196	26.48	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	1057600	26.98	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	913961	22.44	ng/ul	0.00
19) Nitrobenzene-d5	8.79	128	524422	32.19	ng/ul	0.00
22) 2-Nitrophenol-d4	9.51	143	567199	31.38	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.05	165	977826	27.52	ng/ul	0.00
29) 4-Chloroaniline-d4	10.56	131	427350	10.46	ng/ul	0.00
44) Dimethylphthalate-d6	13.71	166	3071141	33.45	ng/ul	0.00
47) Acenaphthylene-d8	13.98	160	3604381	34.27	ng/ul	0.00
52) 4-Nitrophenol-d4	14.50	143	289664	18.21	ng/ul	0.01
58) Fluorene-d10	15.29	176	2595660	33.38	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.42	200	100289	6.93	ng/ul	0.01
71) Anthracene-d10	17.14	188	3835675	34.94	ng/ul	0.00
79) Pyrene-d10	19.44	212	3997366	31.03	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.30	264	5088650	33.68	ng/ul	0.02

Target Compounds

					Ovalue	
6) Phenol	6.85	94	1671025	32.367	ng/ul	98
10) 2-Chlorophenol	7.21	128	1233094	30.031	ng/ul	98
15) N-Nitroso-di-n-propylamine	8.45	70	897809	24.981	ng/ul	98
32) Caprolactam	11.42	113	17047m	1.585	ng/ul	
33) 4-Chloro-3-methylphenol	11.72	107	1161497	30.062	ng/ul	98
45) Dimethylphthalate	13.75	163	1358960	14.741	ng/ul	99
50) Acenaphthene	14.36	153	2681430	34.960	ng/ul	99
53) 4-Nitrophenol	14.52	109	379471	29.964	ng/ul	93
55) 2,4-Dinitrotoluene	14.67	165	861475	32.540	ng/ul	94
69) Pentachlorophenol	16.70	266	423971	21.030	ng/ul	99
70) Phenanthrene	17.08	178	150948	1.163	ng/ul	98
77) Fluoranthene	19.10	202	548729	4.052	ng/ul	98
80) Pyrene	19.47	202	6066452	36.672	ng/ul	97
81) Butylbenzylphthalate	20.38	149	518735	7.659	ng/ul	98
83) Benzo(a)anthracene	21.22	228	364020	2.323	ng/ul#	85
85) Chrysene	21.27	228	536120	3.708	ng/ul#	89
88) Benzo(b)fluoranthene	22.79	252	864601	4.539	ng/ul#	75
89) Benzo(k)fluoranthene	22.82	252	275759m	1.542	ng/ul	
91) Benzo(a)pyrene	23.34	252	473930	2.748	ng/ul#	74
92) Indeno(1,2,3-cd)pyrene	25.67	276	386630	2.070	ng/ul#	80
94) Benzo(a,h,i)perylene	26.34	276	460035	3.028	ng/ul#	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed						

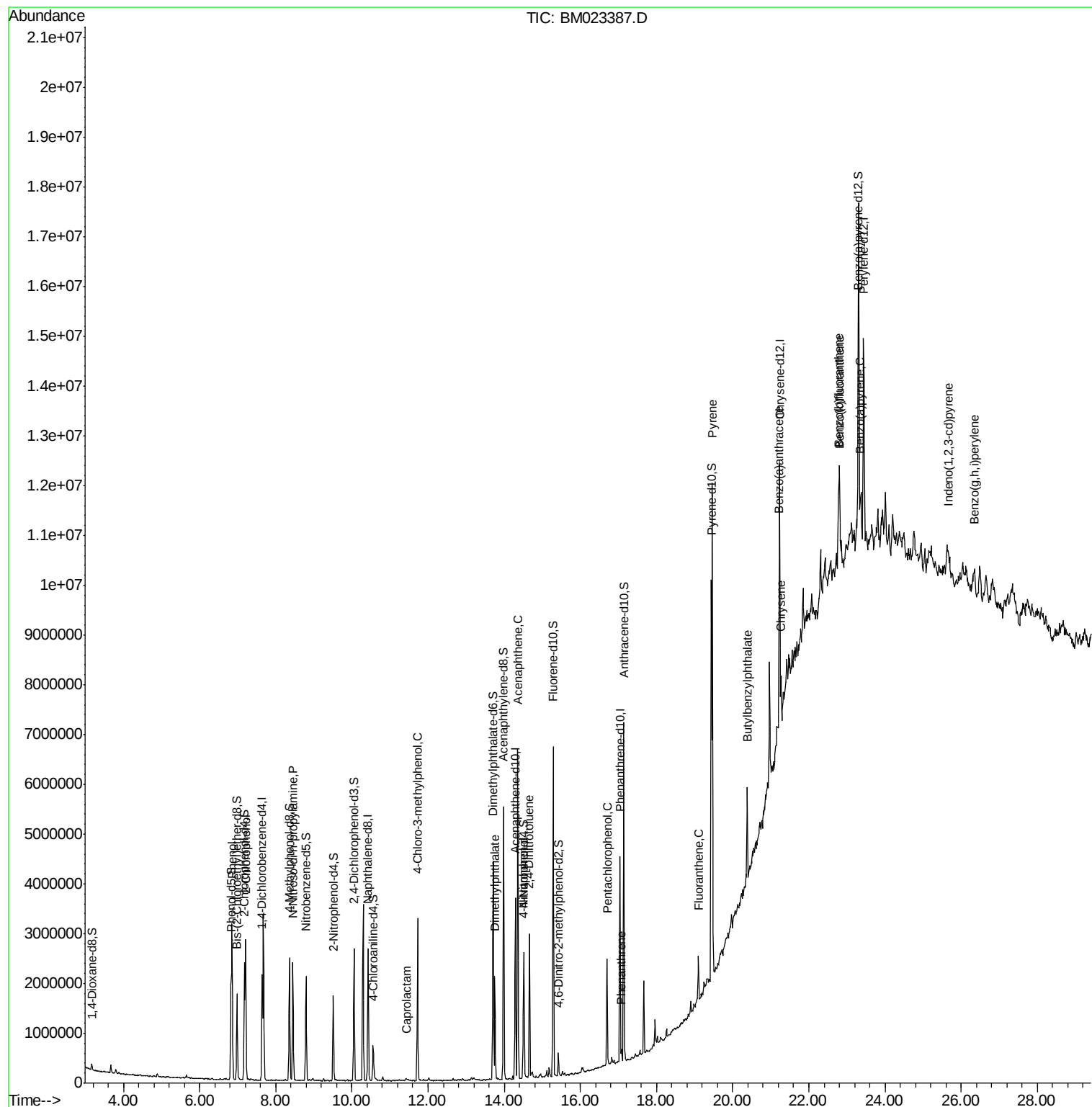
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102419\
Data File : BM023387.D
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Operator : JU
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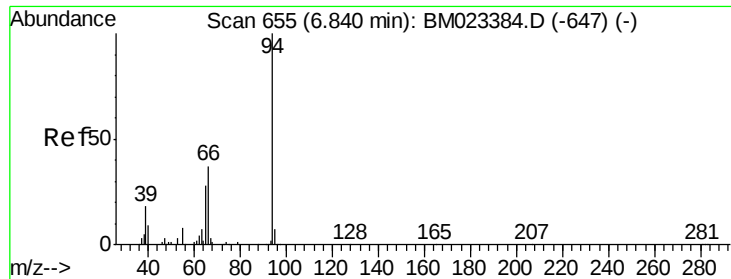
Instrument :
BNA_M
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 23 18:47:16 2019
Response via : Initial Calibration





#6

Phenol

Concen: 32.367 ng/ul

RT: 6.85 min Scan# 657

Delta R.T. 0.01 min

Lab File: BM023387.D

Acq: 24 Oct 2019 19:53

Instrument :

BNA_M

ClientSampleId :

ETOL4MSD

Tot Ion: 94 Resp: 1671025

Ion Ratio Lower Upper

94 100

65 28.0 22.9 34.3

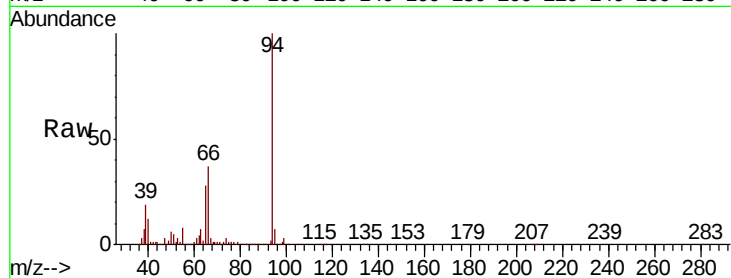
66 37.2 31.4 47.2

Manual Integrations

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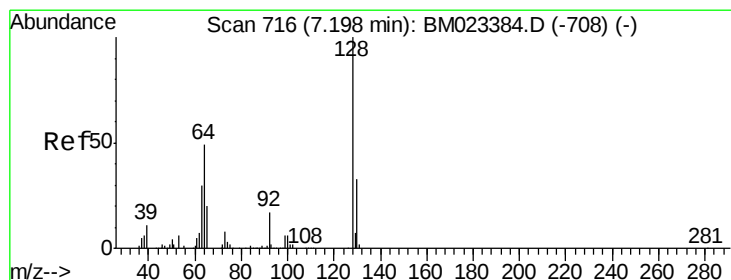
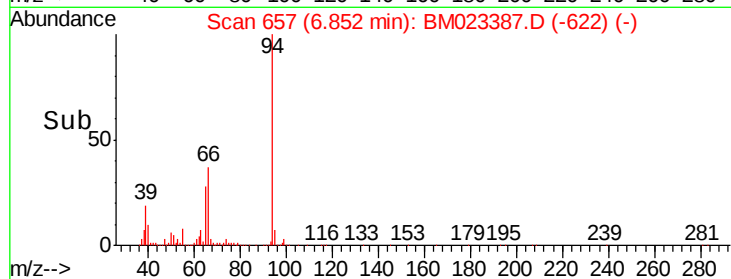
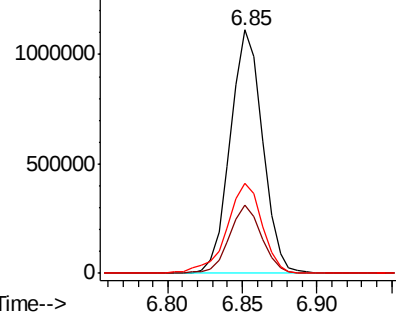
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Abundance Ion 94.00 (93.70 to 94.70): BM023387.D (-647) (-)

Ion 65.00 (64.70 to 65.70): BM023387.D (-647) (-)

Ion 66.00 (65.70 to 66.70): BM023387.D (-647) (-)



#10

2-Chlorophenol

Concen: 30.031 ng/ul

RT: 7.21 min Scan# 718

Delta R.T. 0.00 min

Lab File: BM023387.D

Acq: 24 Oct 2019 19:53

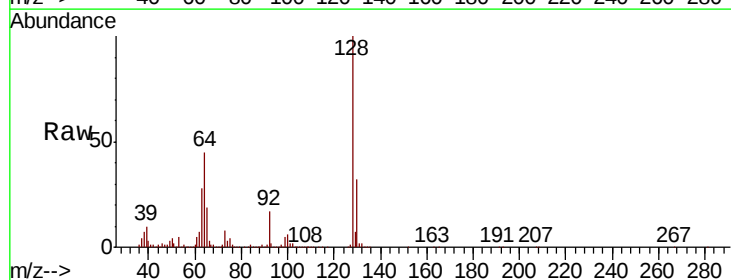
Tgt Ion:128 Resp: 1233094

Ion Ratio Lower Upper

128 100

64 45.0 37.3 55.9

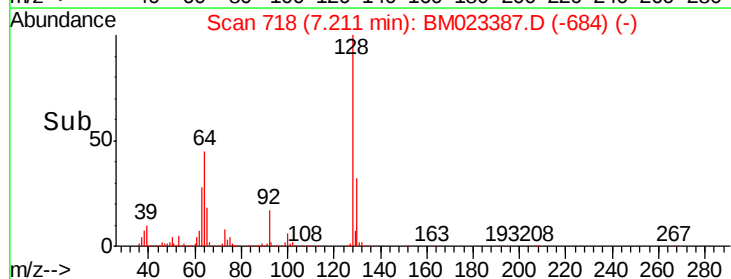
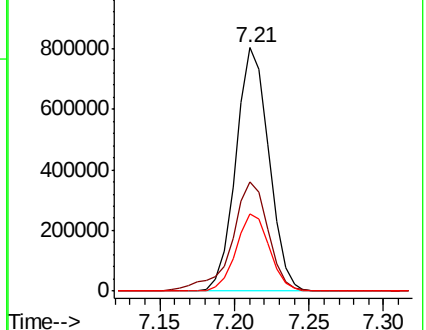
130 31.7 26.0 39.0

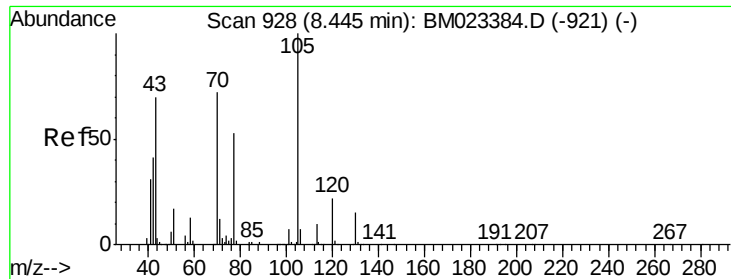


Abundance Ion 128.00 (127.70 to 128.70): BM023387.D (-684) (-)

Ion 64.00 (63.70 to 64.70): BM023387.D (-684) (-)

Ion 130.00 (129.70 to 130.70): BM023387.D (-684) (-)





#15

N-Nitroso-di-n-propylamine

Concen: 24.981 ng/ul

RT: 8.45 min Scan# 929

Delta R.T. 0.00 min

Lab File: BM023387.D

Acq: 24 Oct 2019 19:53

Instrument :

BNA_M

ClientSampleId :

ETOL4MSD

Tot Ion: 70 Resp: 897809

Ion Ratio Lower Upper

70 100

42 52.5 42.8 64.2

101 10.0 7.8 11.8

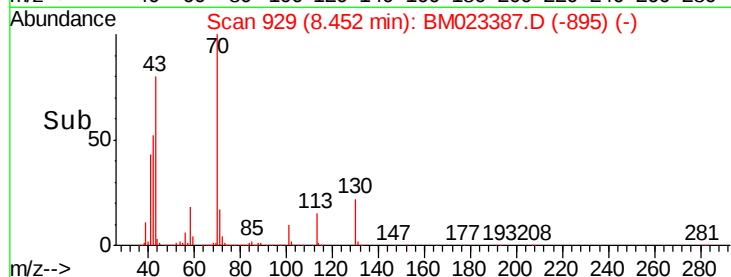
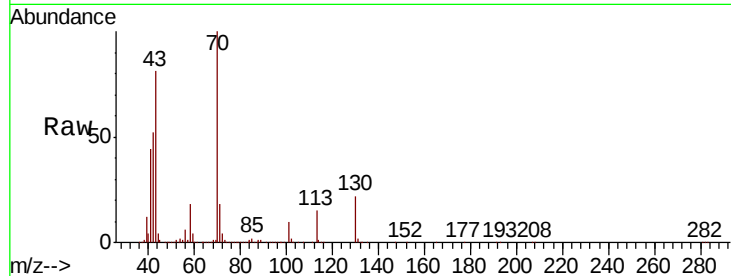
130 21.9 16.6 25.0

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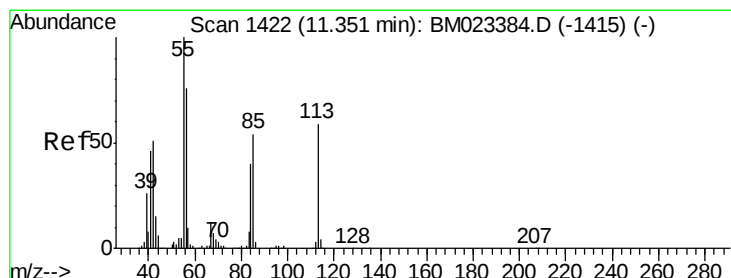
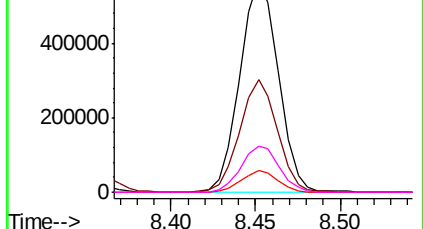


Abundance Ion 70.00 (69.70 to 70.70): BM023387.D (-895) (-)

Ion 42.00 (41.70 to 42.70): BM023387.D (-895) (-)

Ion 101.00 (100.70 to 101.70): BM023387.D (-895) (-)

Ion 130.00 (129.70 to 130.70): BM023387.D (-895) (-)



#32

Caprolactam

Concen: 1.585 ng/ul m

RT: 11.42 min Scan# 1434

Delta R.T. 0.06 min

Lab File: BM023387.D

Acq: 24 Oct 2019 19:53

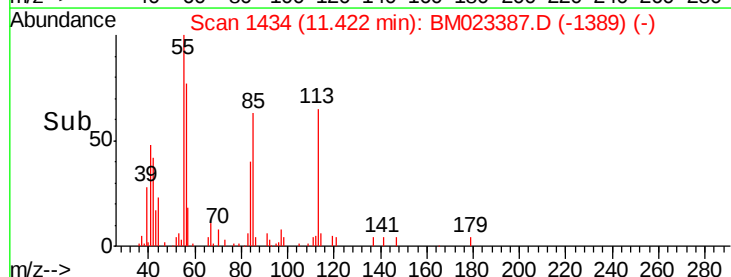
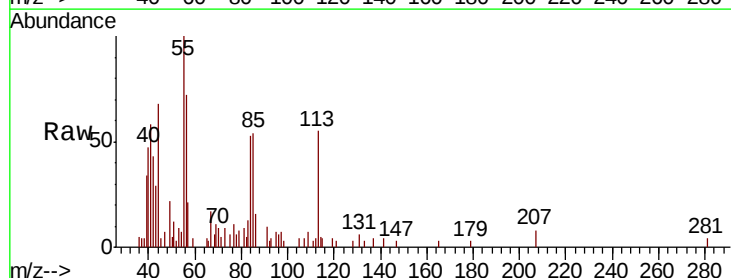
Tgt Ion: 113 Resp: 17047

Ion Ratio Lower Upper

113 100

55 182.6 132.8 199.2

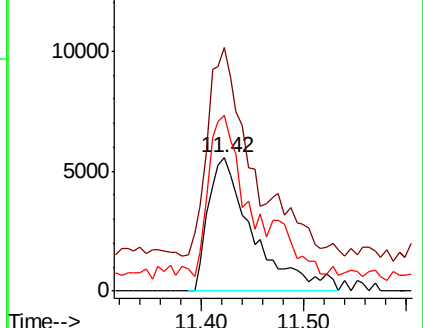
56 131.5 100.6 150.8

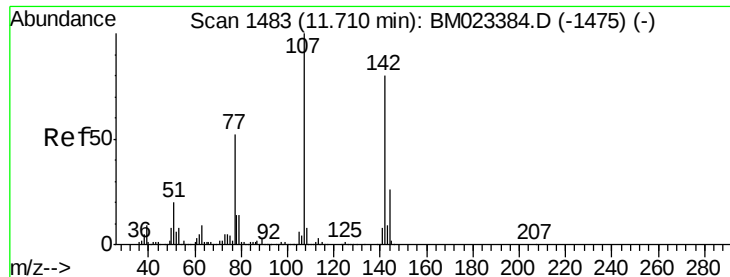


Abundance Ion 113.00 (112.70 to 113.70): BM023387.D (-1389) (-)

Ion 55.00 (54.70 to 55.70): BM023387.D (-1389) (-)

Ion 56.00 (55.70 to 56.70): BM023387.D (-1389) (-)





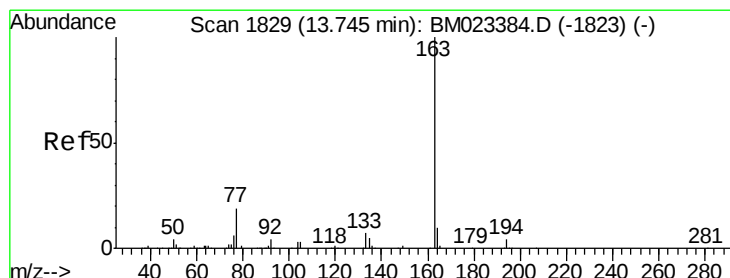
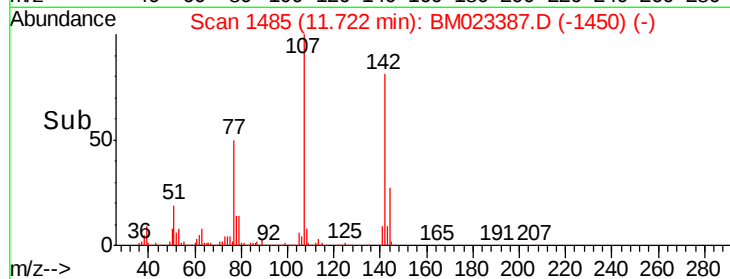
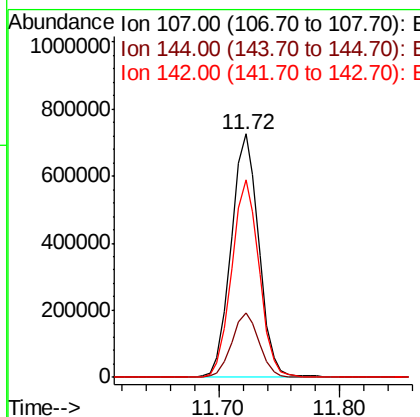
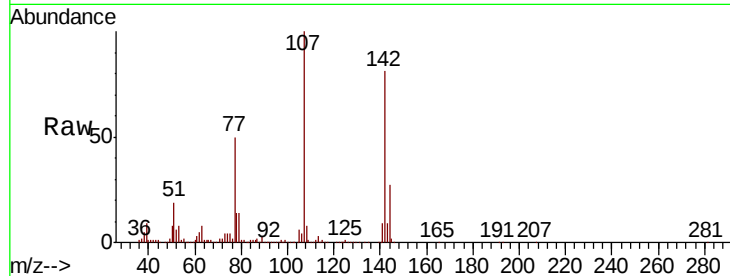
#33
4-Chloro-3-methylphenol
Concen: 30.062 ng/ul
RT: 11.72 min Scan# 1485
Delta R.T. 0.01 min
Lab File: BM023387.D
Acq: 24 Oct 2019 19:53

Instrument :
BNA_M
ClientSampleID :
ETOL4MSD

Tot Ion	Ratio	Lower	Upper
107	100		
144	26.6	20.7	31.1
142	81.2	63.1	94.7

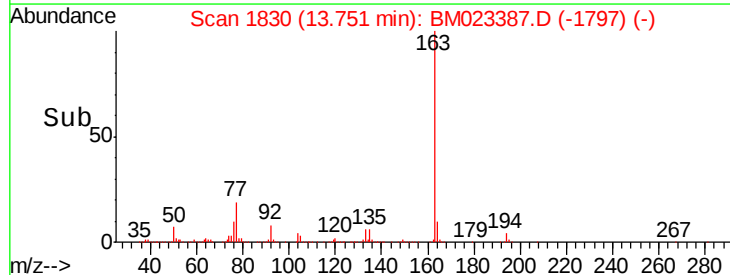
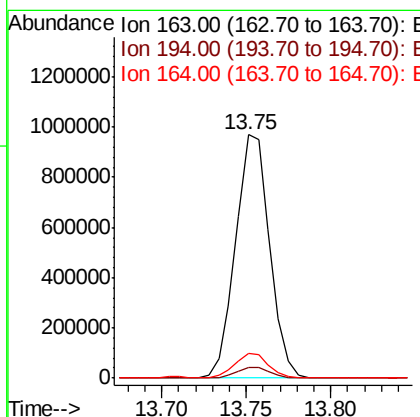
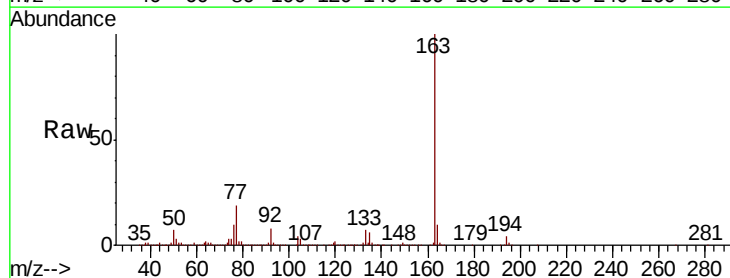
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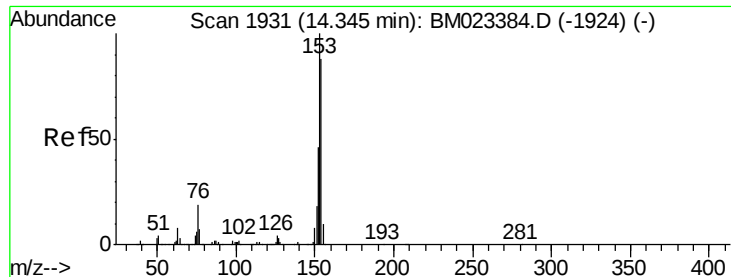
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#45
Dimethylphthalate
Concen: 14.741 ng/ul
RT: 13.75 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BM023387.D
Acq: 24 Oct 2019 19:53

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.3	4.9
164	10.1	7.9	11.9





#50

Acenaphthene

Concen: 34.960 ng/ul

RT: 14.36 min Scan# 1933

Delta R.T. 0.01 min

Lab File: BM023387.D

Acq: 24 Oct 2019 19:53

Instrument :

BNA_M

ClientSampleId :

ETOL4MSD

Tot Ion:153 Resp: 2681430

Ion Ratio Lower Upper

153 100

152 46.3 37.9 56.9

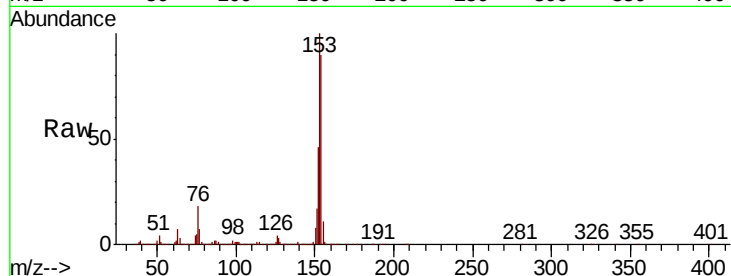
154 89.6 70.6 106.0

Manual Integrations

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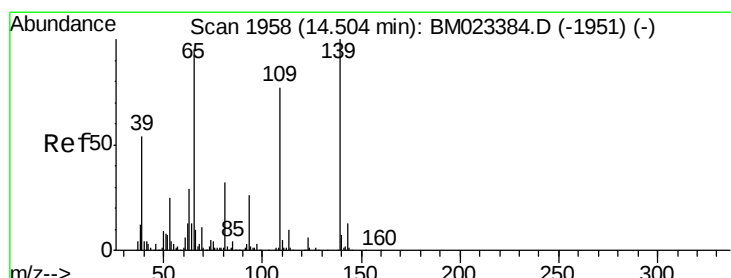
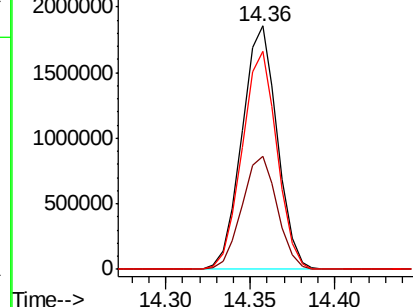
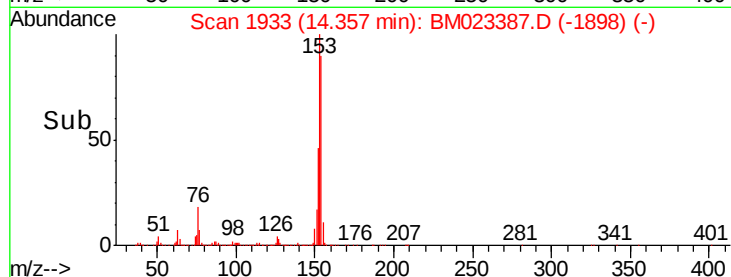
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Abundance Ion 153.00 (152.70 to 153.70): E

2500000 Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

4-Nitrophenol

Concen: 29.964 ng/ul

RT: 14.52 min Scan# 1960

Delta R.T. 0.01 min

Lab File: BM023387.D

Acq: 24 Oct 2019 19:53

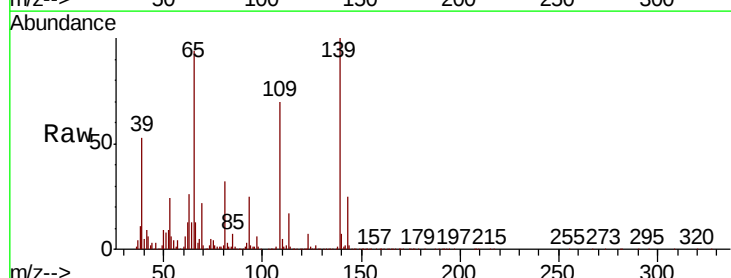
Tgt Ion:109 Resp: 379471

Ion Ratio Lower Upper

109 100

139 141.8 107.1 160.7

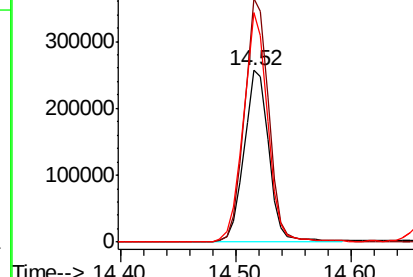
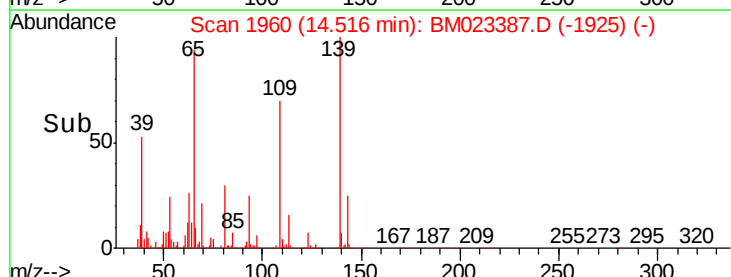
65 133.5 100.0 150.0

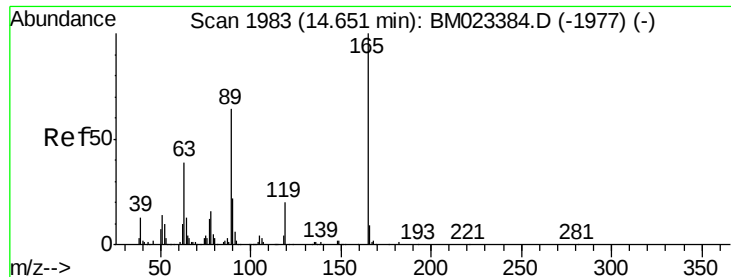


Abundance Ion 109.00 (108.70 to 109.70): E

500000 Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM





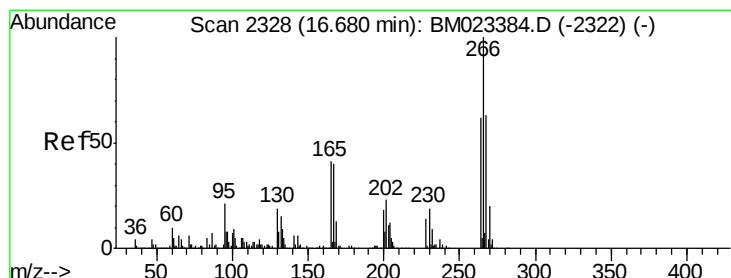
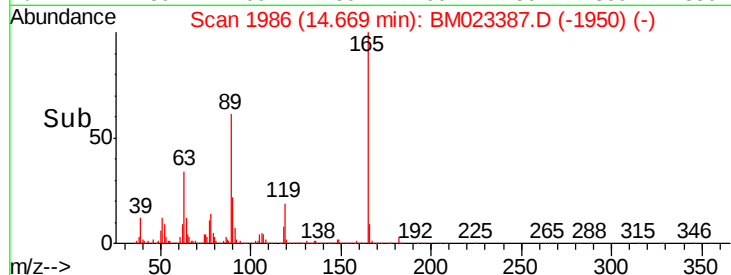
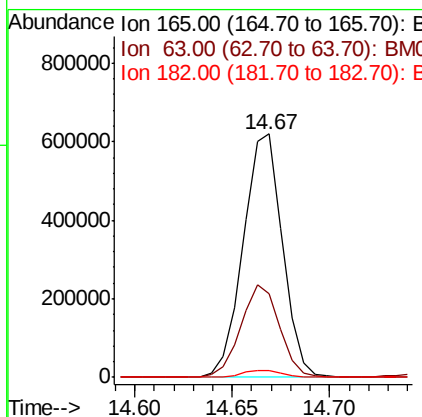
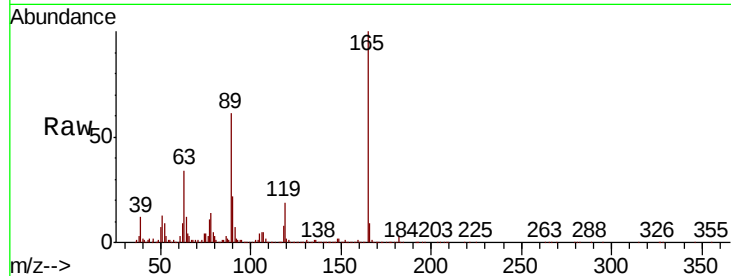
#55
2,4-Dinitrotoluene
Concen: 32.540 ng/ul
RT: 14.67 min Scan# 1986
Delta R.T. 0.01 min
Lab File: BM023387.D
Acq: 24 Oct 2019 19:53

Instrument :
BNA_M
ClientSampleId :
ETOL4MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	861475		
63	34.5	30.9	46.3	
182	2.9	2.5	3.7	

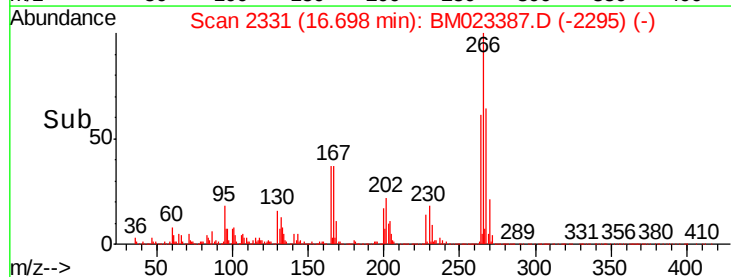
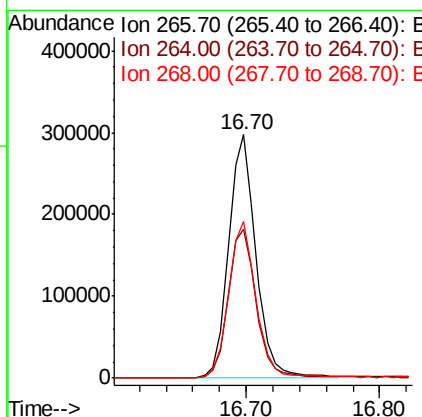
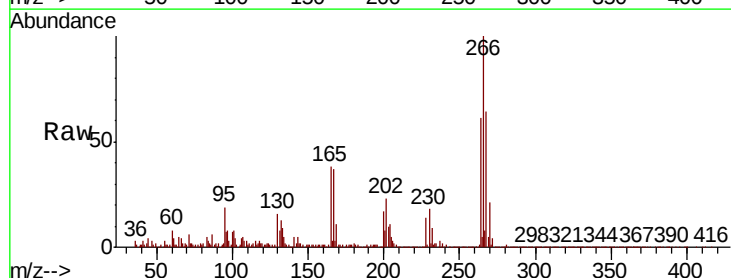
Manual Integrations
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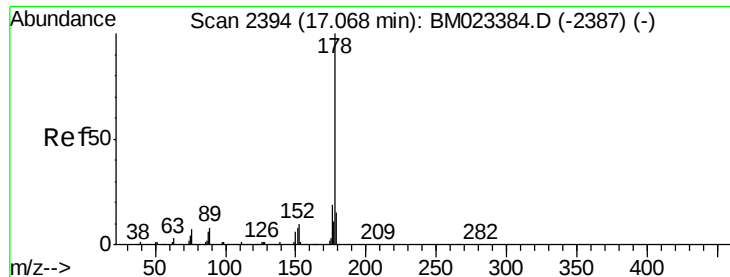
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#69
Pentachlorophenol
Concen: 21.030 ng/ul
RT: 16.70 min Scan# 2331
Delta R.T. 0.01 min
Lab File: BM023387.D
Acq: 24 Oct 2019 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	423971		
264	61.4	49.4	74.2	
268	64.2	50.4	75.6	





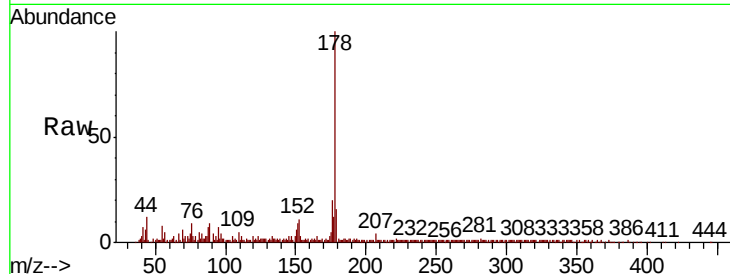
#70
Phenanthrene
Concen: 1.163 ng/ul
RT: 17.08 min Scan# 2396
Delta R.T. 0.01 min
Lab File: BM023387.D
Acq: 24 Oct 2019 19:53

Instrument :
BNA_M
ClientSampleId :
ETOL4MSD

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.2	18.2
176	20.0	14.9	22.3

Manual Integrations
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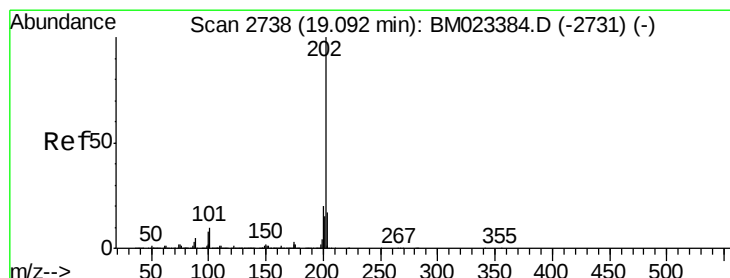
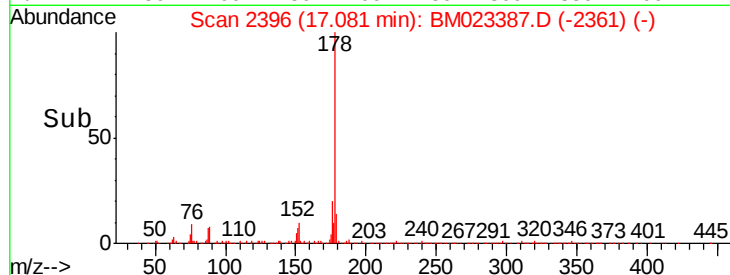
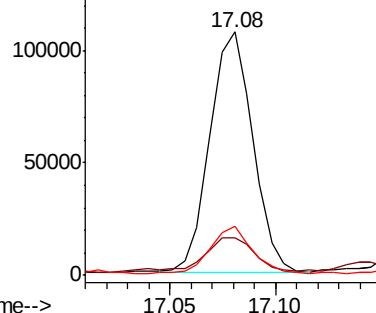


Abundance

Ion 178.00 (177.70 to 178.70): E

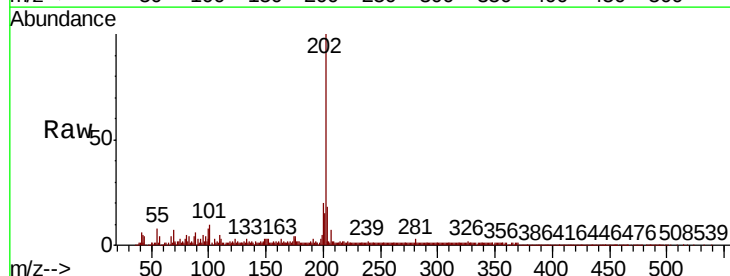
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#77
Fluoranthene
Concen: 4.052 ng/ul
RT: 19.10 min Scan# 2739
Delta R.T. 0.00 min
Lab File: BM023387.D
Acq: 24 Oct 2019 19:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	8.1	12.1
100	8.4	6.2	9.2

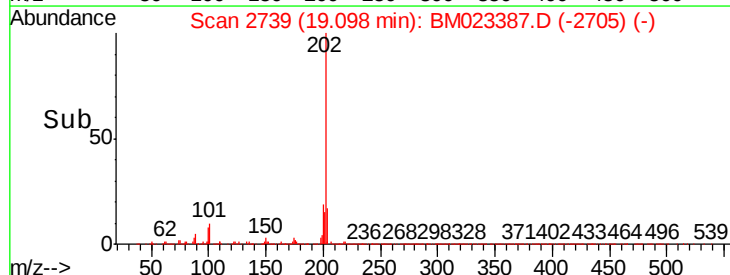
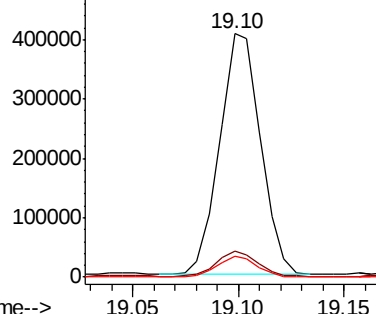


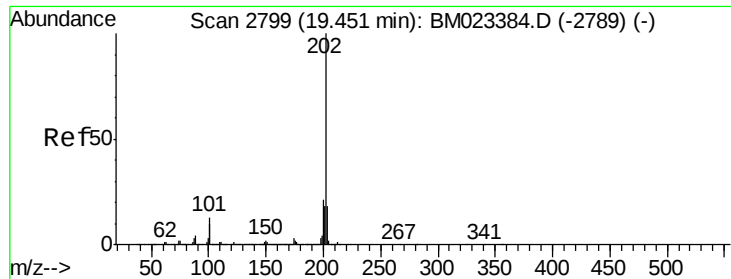
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#80

Pvrene

Concen: 36.672 ng/ul

RT: 19.47 min Scan# 2802

Delta R.T. 0.01 min

Lab File: BM023387.D

Acq: 24 Oct 2019 19:53

Instrument :

BNA_M

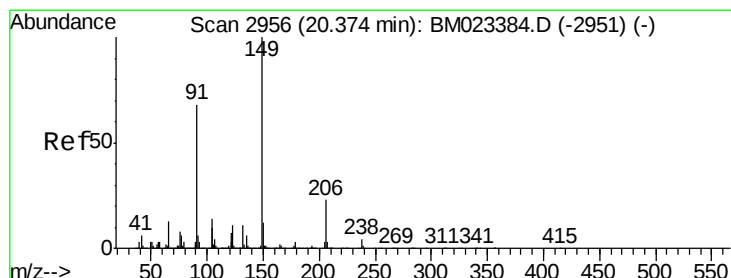
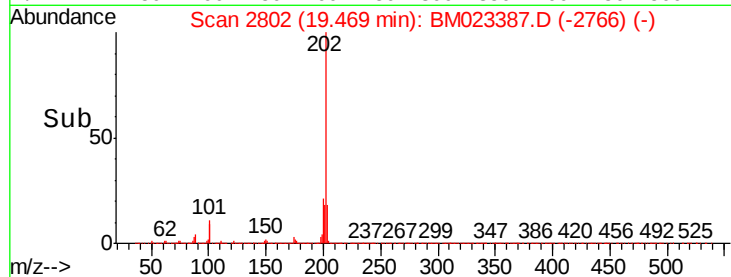
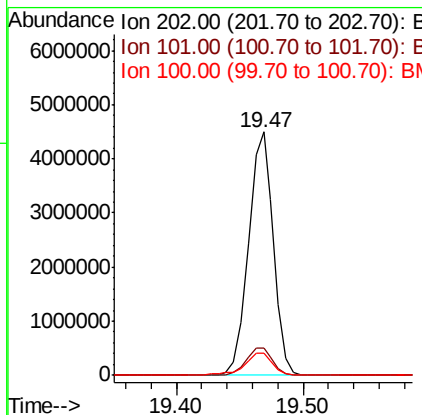
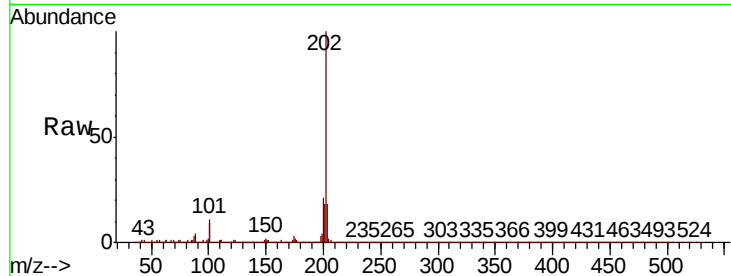
ClientSampleId :

ETOL4MSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.1	10.0	15.0
100	9.3	8.3	12.5

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#81

Butylbenzylphthalate

Concen: 7.659 ng/ul

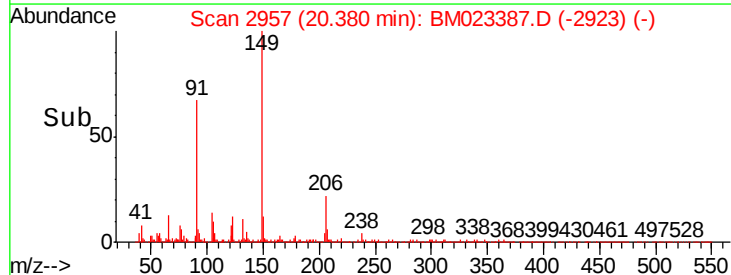
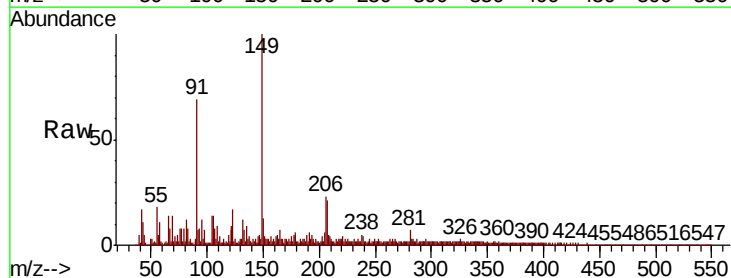
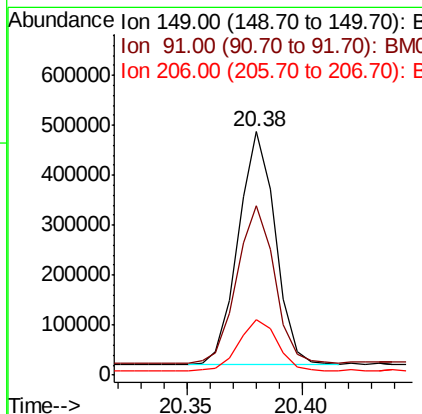
RT: 20.38 min Scan# 2957

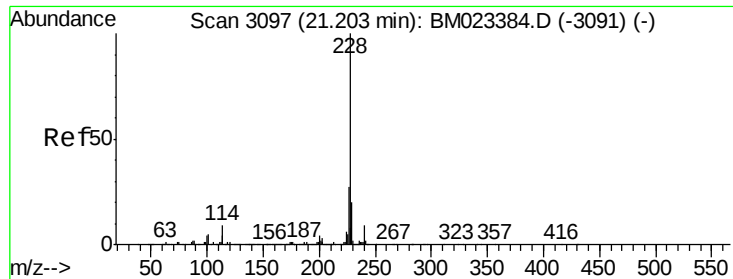
Delta R.T. 0.00 min

Lab File: BM023387.D

Acq: 24 Oct 2019 19:53

Tgt Ion	Ratio	Lower	Upper
149	100		
91	69.5	54.2	81.2
206	23.0	17.7	26.5





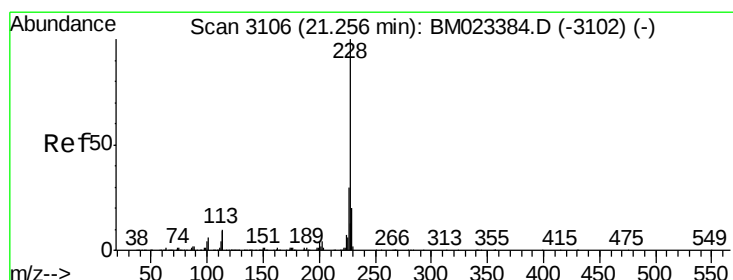
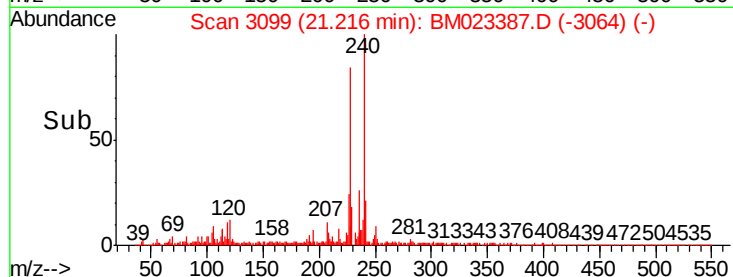
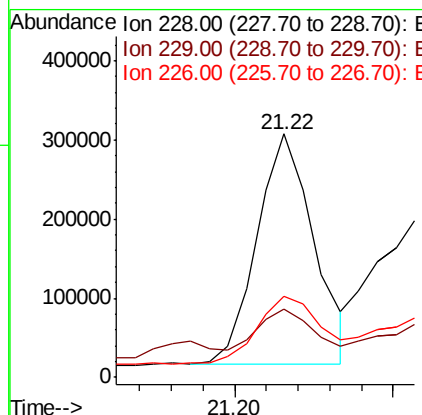
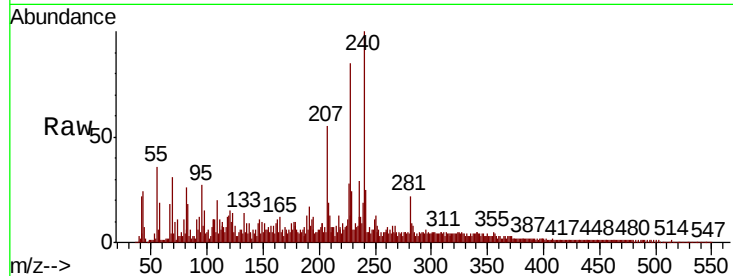
#83
Benzo(a)anthracene
Concen: 2.323 ng/ul
RT: 21.22 min Scan# 3099
Delta R.T. 0.01 min
Lab File: BM023387.D
Acq: 24 Oct 2019 19:53

Instrument :
BNA_M
ClientSampleId :
ETOL4MSD

Tot Ion	Ratio	Lower	Upper
228	100		
229	27.9	15.8	23.8#
226	33.3	21.6	32.4#

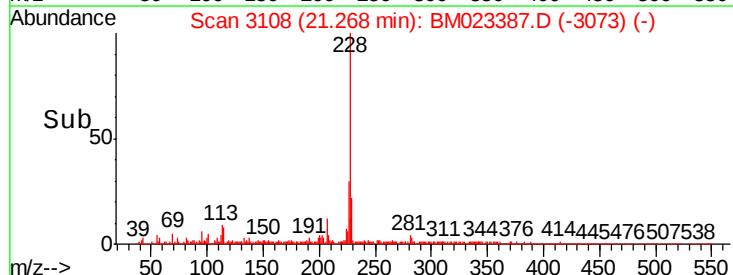
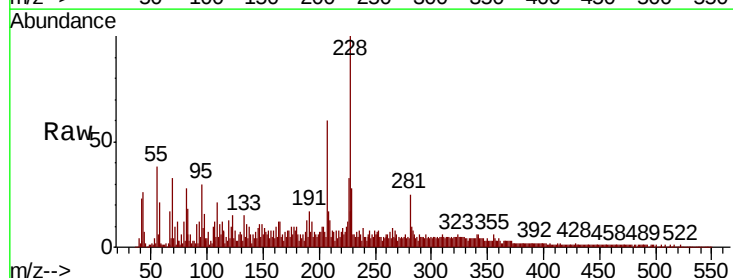
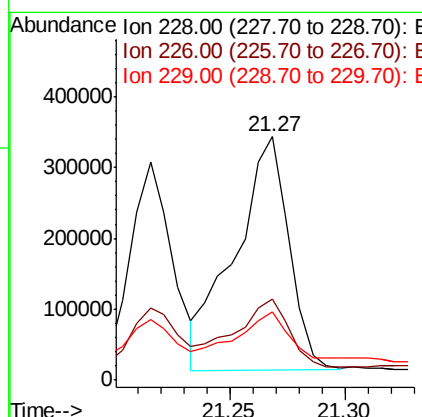
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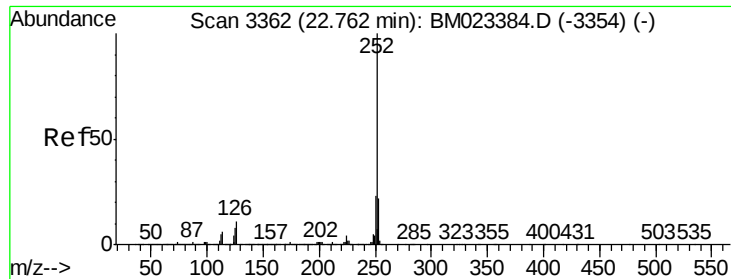
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#85
Chrysene
Concen: 3.708 ng/ul
RT: 21.27 min Scan# 3108
Delta R.T. 0.01 min
Lab File: BM023387.D
Acq: 24 Oct 2019 19:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.4	24.0	36.0
229	27.8	16.0	24.0#





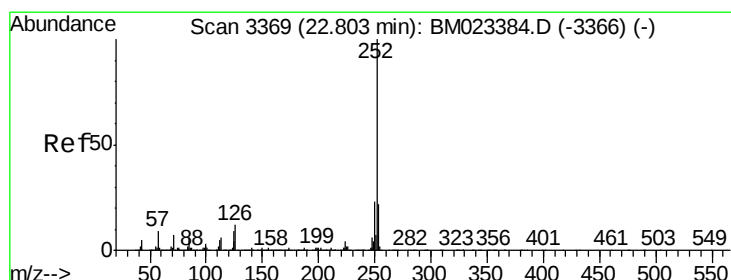
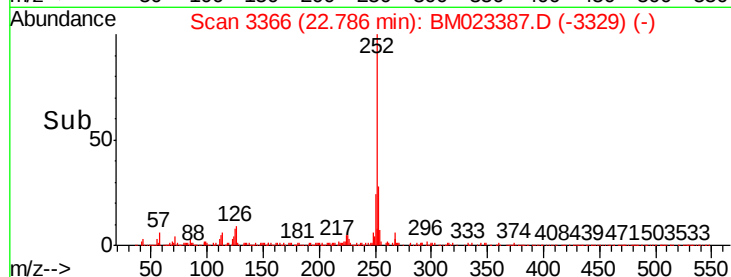
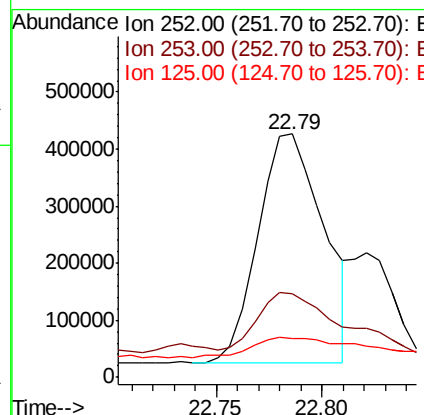
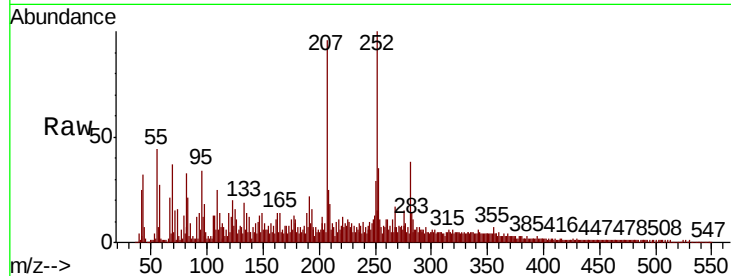
#88
Benzo(b)fluoranthene
Concen: 4.539 ng/ul
RT: 22.79 min Scan# 3366
Delta R.T. 0.02 min
Lab File: BM023387.D
Acq: 24 Oct 2019 19:53

Instrument :
BNA_M
ClientSampleId :
ETOL4MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	34.6	17.5	26.3#
125	16.1	7.1	10.7#

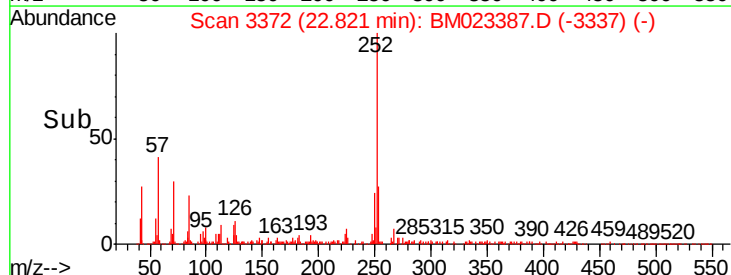
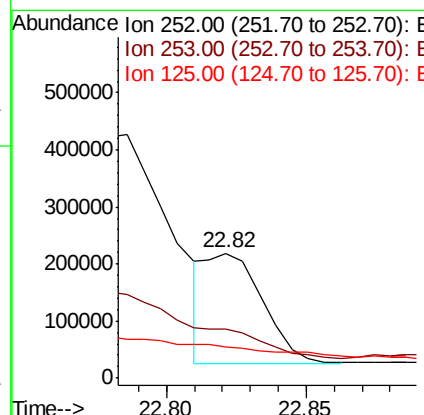
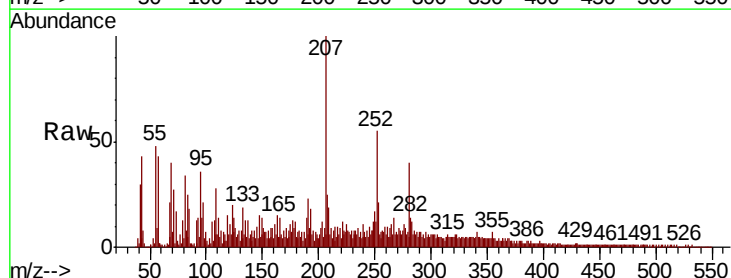
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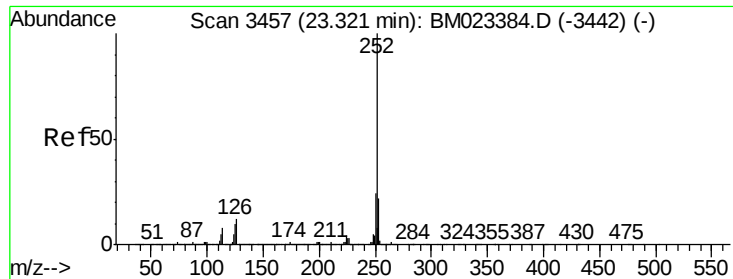
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#89
Benzo(k)fluoranthene
Concen: 1.542 ng/ul m
RT: 22.82 min Scan# 3372
Delta R.T. 0.01 min
Lab File: BM023387.D
Acq: 24 Oct 2019 19:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	39.2	17.8	26.6#
125	24.8	6.8	10.2#





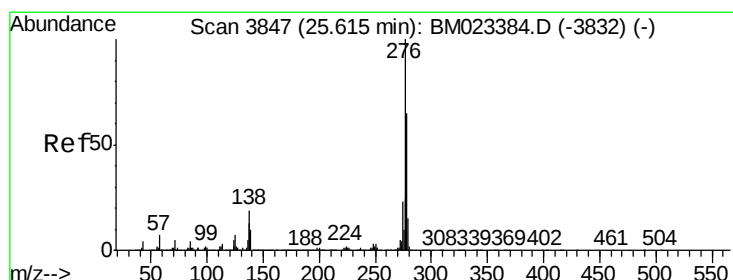
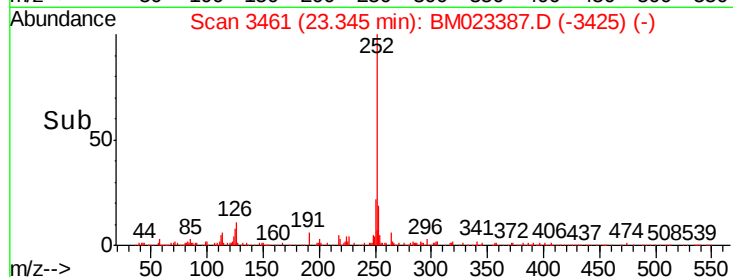
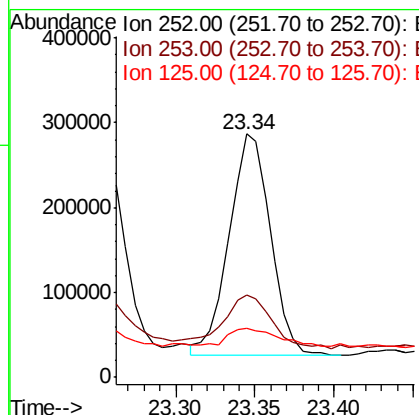
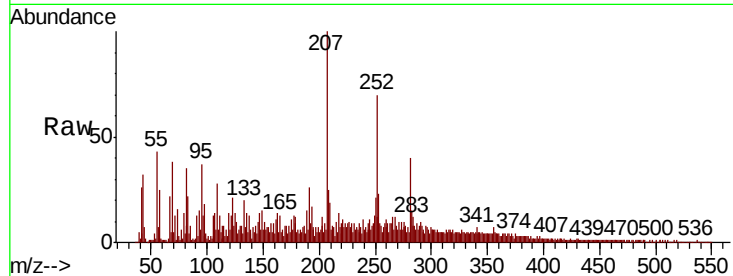
#91
Benzo(a)pyrene
Concen: 2.748 ng/ul
RT: 23.34 min Scan# 3461
Delta R.T. 0.01 min
Lab File: BM023387.D
Acq: 24 Oct 2019 19:53

Instrument :
BNA_M
ClientSampleId :
ETOL4MSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100	473930		
253	33.7	17.7	26.5#	
125	20.2	7.5	11.3#	

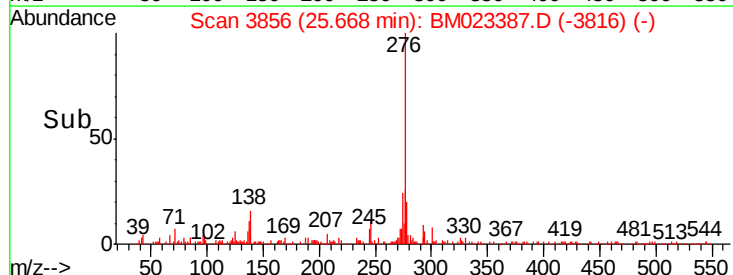
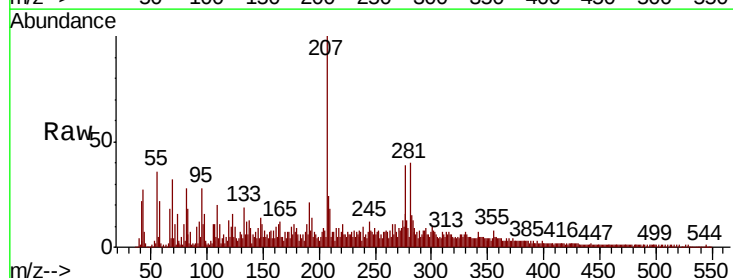
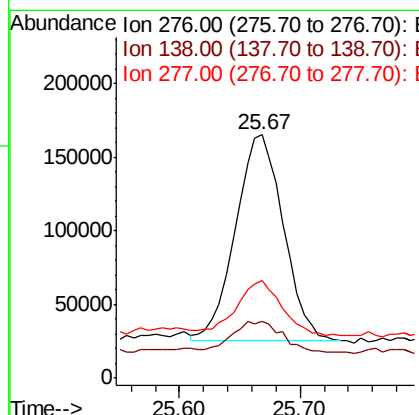
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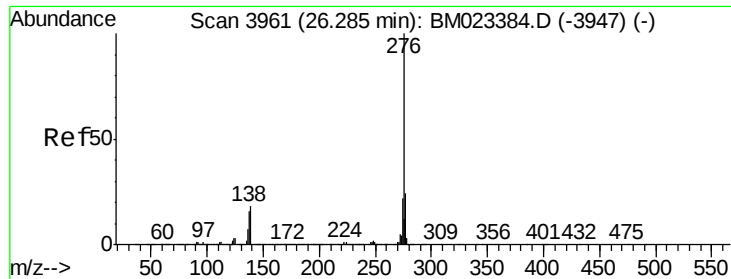
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#92
Indeno(1,2,3-cd)pyrene
Concen: 2.070 ng/ul
RT: 25.67 min Scan# 3856
Delta R.T. 0.04 min
Lab File: BM023387.D
Acq: 24 Oct 2019 19:53

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	386630		
138	23.1	15.7	23.5	
277	39.9	20.2	30.2#	





#94

Benzo(a,h,i)perylene

Concen: 3.028 ng/ul

RT: 26.34 min Scan# 3971

Delta R.T. 0.04 min

Lab File: BM023387.D

Acq: 24 Oct 2019 19:53

Instrument :

BNA_M

ClientSampleId :

ETOL4MSD

Tot Ion:	276	Resp:	460035
Ion Ratio	Lower	Upper	
276	100		
138	23.3	14.4	21.6#
277	38.0	19.0	28.6#

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