

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082520\
 Data File : BM027241.D
 Acq On : 26 Aug 2020 10:02
 Operator : JU/CG
 Sample : L3613-17MS
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBFR5MS

Quant Time: Aug 26 10:36:45 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082520MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 25 15:35:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	166535	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	702122	20.00	ng/ul	-0.01
36) Acenaphthene-d10	14.23	164	487780	20.00	ng/ul	-0.01
62) Phenanthrene-d10	16.98	188	1113547	20.00	ng/ul	0.00
78) Chrysene-d12	21.18	240	1115462	20.00	ng/ul	0.00
86) Perylene-d12	23.36	264	882624	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.16	96	10694	3.64	ng/uL	0.00
5) Phenol-d5	6.78	99	261937	19.40	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	170835	19.55	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	201039	19.33	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	191503	17.66	ng/ul	-0.01
19) Nitrobenzene-d5	8.74	128	102171	18.16	ng/ul	0.00
22) 2-Nitrophenol-d4	9.46	143	116897	18.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	244882	18.50	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.50	131	205161	14.39	ng/ul	0.00
44) Dimethylphthalate-d6	13.65	166	857267	22.15	ng/ul	0.00
47) Acenaphthylene-d8	13.92	160	950398	20.77	ng/ul	-0.01
52) 4-Nitrophenol-d4	14.45	143	129009	19.76	ng/ul	0.00
58) Fluorene-d10	15.23	176	717311	21.48	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.36	200	123688	17.03	ng/ul	-0.01
71) Anthracene-d10	17.08	188	1119173	21.17	ng/ul	0.00
79) Pyrene-d10	19.38	212	1427119	22.18	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.23	264	1161727	23.61	ng/ul	-0.01

Target Compounds

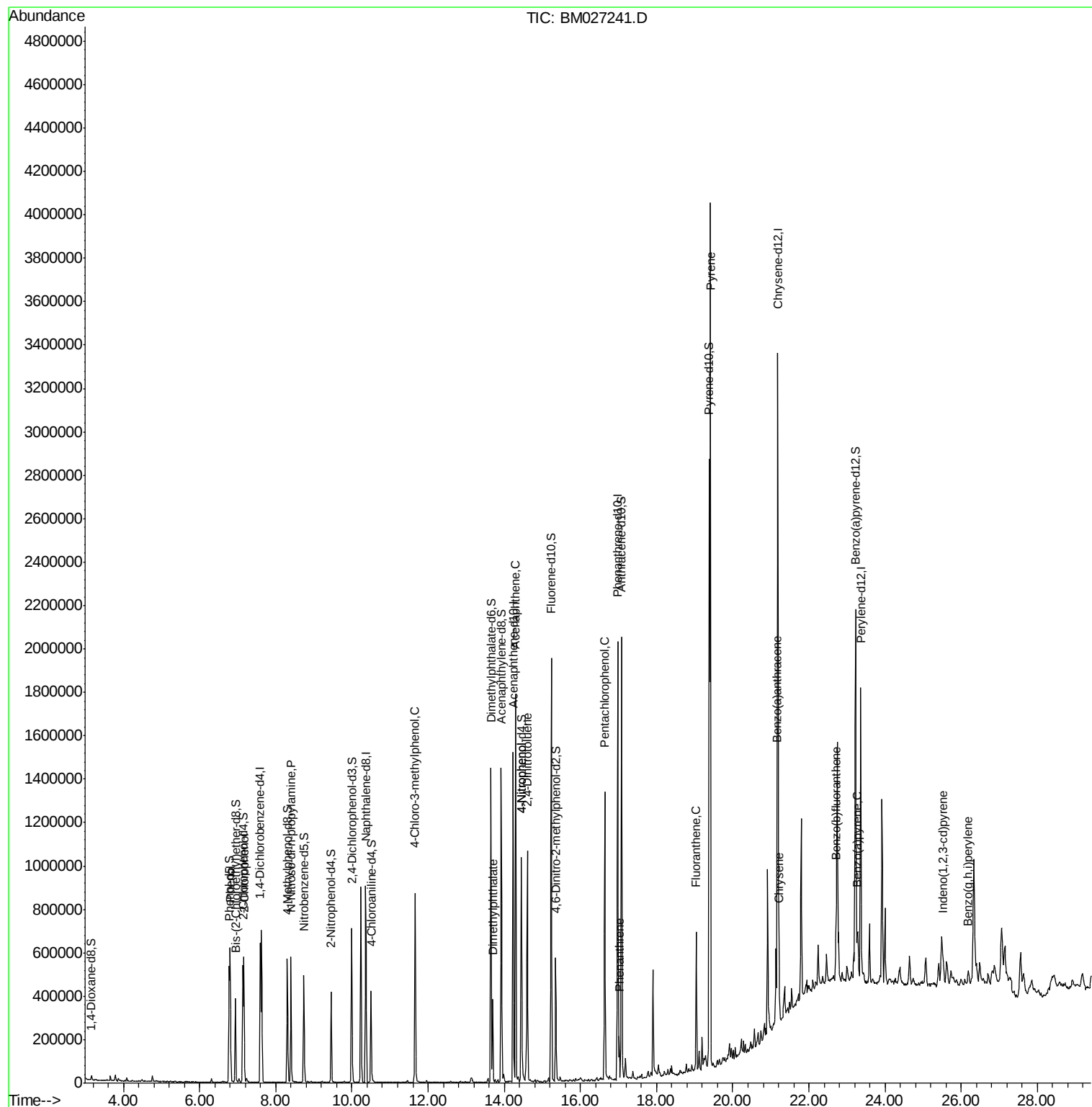
					Ovalue
6) Phenol	6.80	94	306023	21.675	ng/ul 93
10) 2-Chlorophenol	7.16	128	221032	20.808	ng/ul 98
15) N-Nitroso-di-n-propylamine	8.40	70	243380	23.272	ng/ul 99
33) 4-Chloro-3-methylphenol	11.66	107	283430	21.093	ng/ul 98
45) Dimethylphthalate	13.70	163	218789	5.447	ng/ul 99
50) Acenaphthene	14.30	153	690022	21.530	ng/ul 99
53) 4-Nitrophenol	14.46	109	155228	25.083	ng/ul 100
55) 2,4-Dinitrotoluene	14.60	165	269964	22.906	ng/ul 100
69) Pentachlorophenol	16.64	266	220244	23.533	ng/ul 98
70) Phenanthrene	17.02	178	106490	1.676	ng/ul 100
77) Fluoranthene	19.04	202	363949	4.780	ng/ul 100
80) Pyrene	19.41	202	2210369	25.688	ng/ul 99
83) Benzo(a)anthracene	21.16	228	144764	1.957	ng/ul 99
85) Chrysene	21.22	228	181778	2.567	ng/ul 98
88) Benzo(b)fluoranthene	22.72	252	223477	3.552	ng/ul# 98
91) Benzo(a)pyrene	23.27	252	112181	2.031	ng/ul# 94
92) Indeno(1,2,3-cd)pyrene	25.53	276	79933	1.257	ng/ul 98
94) Benzo(g,h,i)perylene	26.19	276	75479	1.451	ng/ul 97

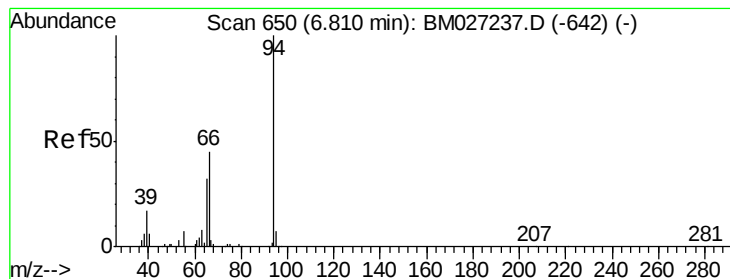
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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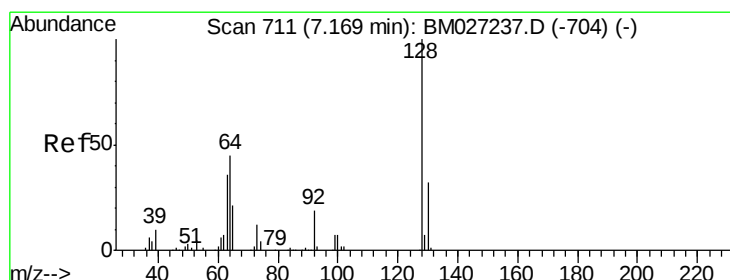
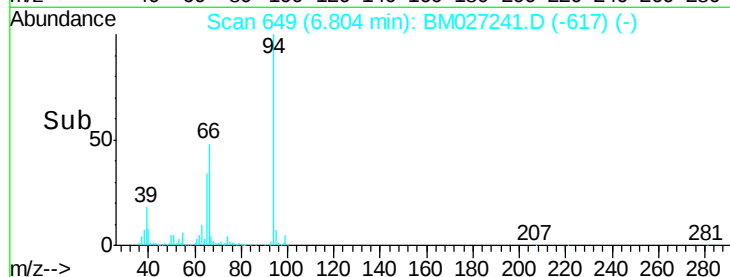
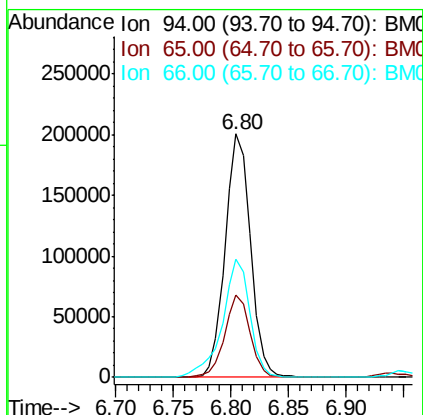
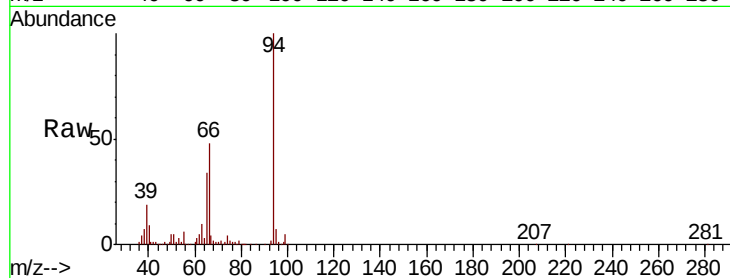
#6

Phenol

Concen: 21.675 ng/ul
 RT: 6.80 min Scan# 649
 Delta R.T. -0.01 min
 Lab File: BM027241.D
 Acq: 26 Aug 2020 10:02

Instrument :
 BNA_M
 ClientSampleId :
 DBFR5MS

Tot Ion	Ratio	Lower	Upper
94	100		
65	33.9	24.8	37.2
66	48.5	34.7	52.1

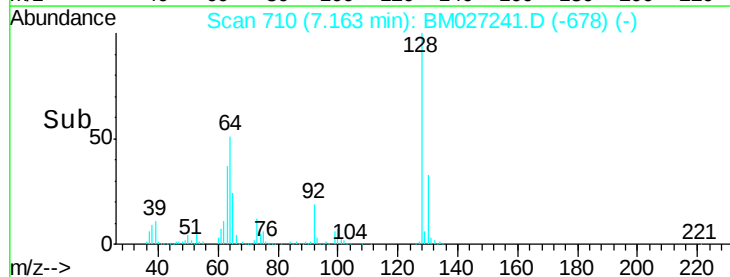
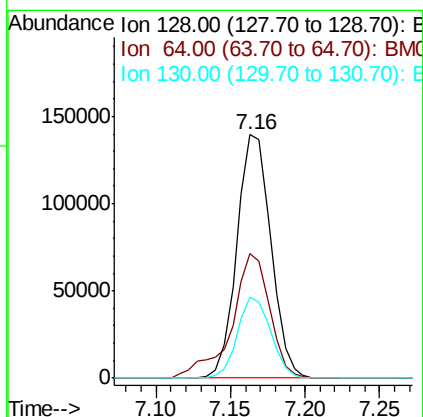
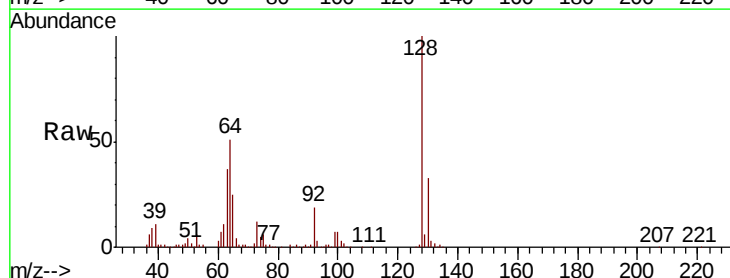


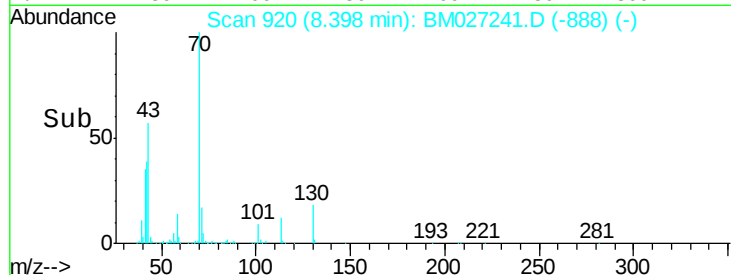
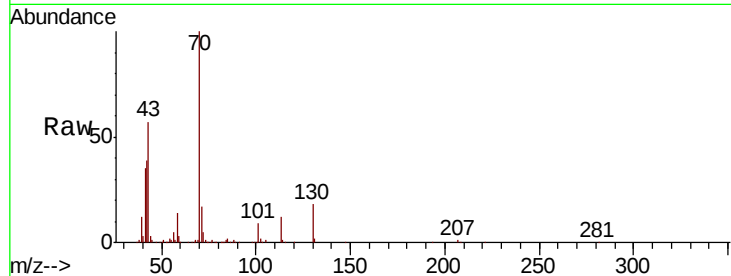
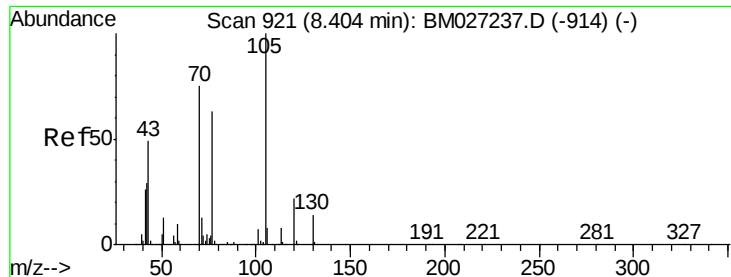
#10

2-Chlorophenol

Concen: 20.808 ng/ul
 RT: 7.16 min Scan# 710
 Delta R.T. -0.01 min
 Lab File: BM027241.D
 Acq: 26 Aug 2020 10:02

Tgt Ion	Ratio	Lower	Upper
128	100		
64	51.3	39.2	58.8
130	33.3	26.8	40.2

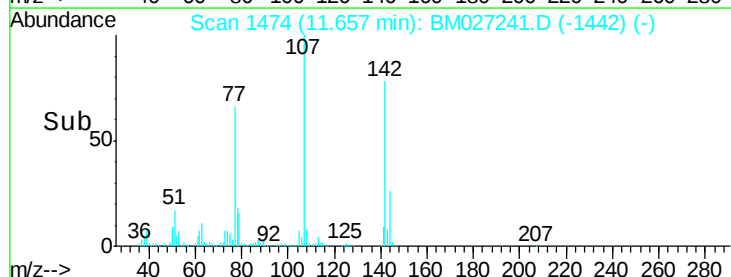
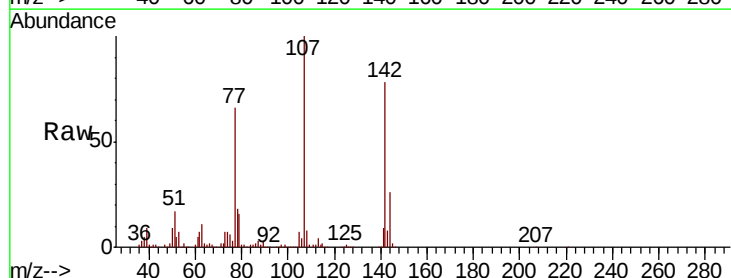
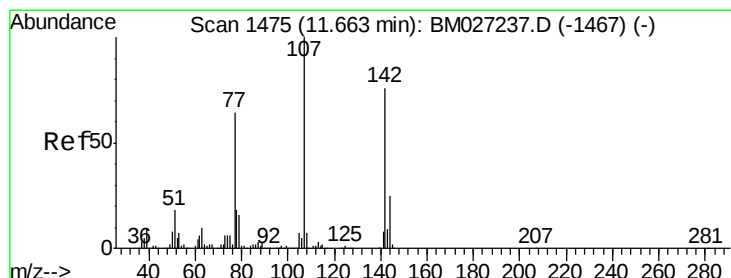
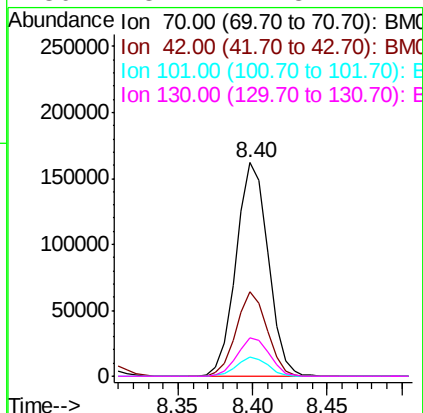




#15
N-Nitroso-di-n-propylamine
Concen: 23.272 ng/ul
RT: 8.40 min Scan# 920
Delta R.T. -0.01 min
Lab File: BM027241.D
Acq: 26 Aug 2020 10:02

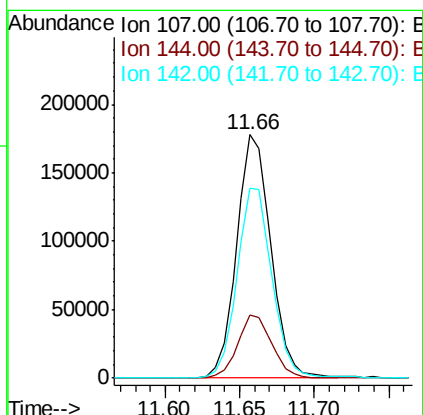
Instrument :
BNA_M
ClientSampleId :
DBFR5MS

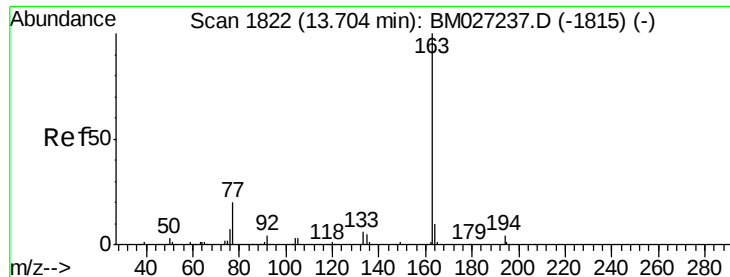
Tot Ion:	70	Resp:	243380
Ion	Ratio	Lower	Upper
70	100		
42	39.5	30.9	46.3
101	8.9	7.4	11.2
130	18.1	14.8	22.2



#33
4-Chloro-3-methylphenol
Concen: 21.093 ng/ul
RT: 11.66 min Scan# 1474
Delta R.T. -0.01 min
Lab File: BM027241.D
Acq: 26 Aug 2020 10:02

Tgt Ion:	107	Resp:	283430
Ion	Ratio	Lower	Upper
107	100		
144	25.8	20.7	31.1
142	78.2	61.1	91.7

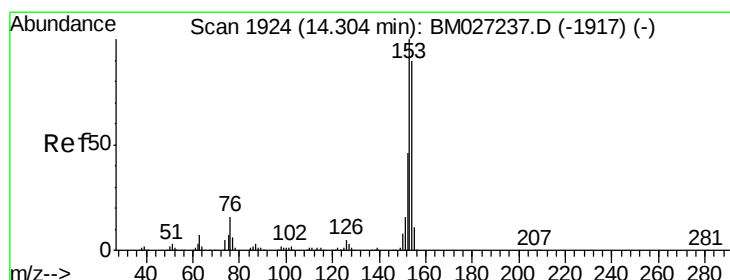
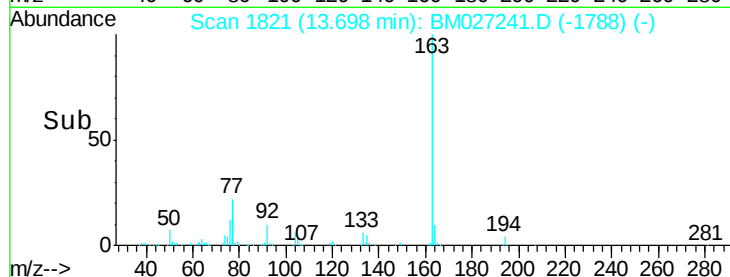
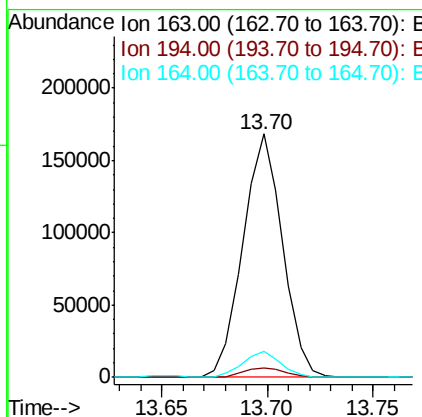
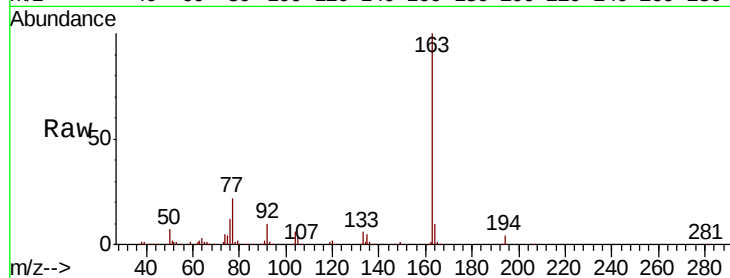




#45
Dimethylphthalate
Concen: 5.447 ng/ul
RT: 13.70 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BM027241.D
Acq: 26 Aug 2020 10:02

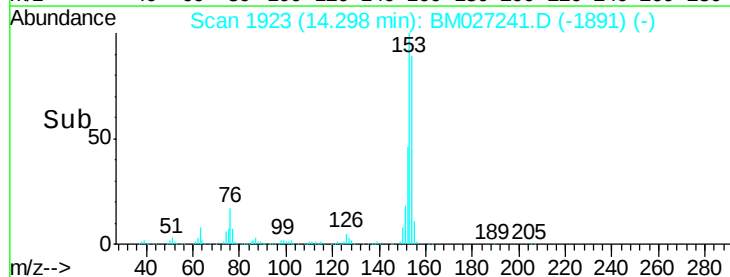
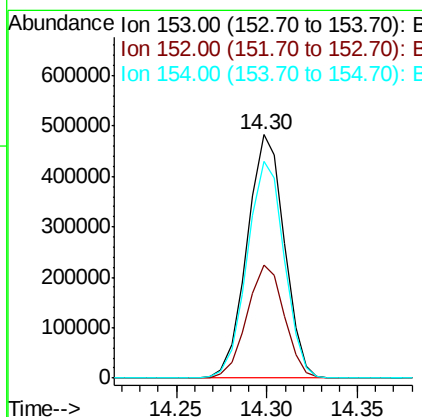
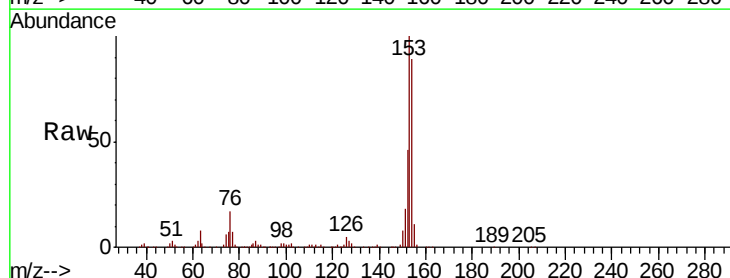
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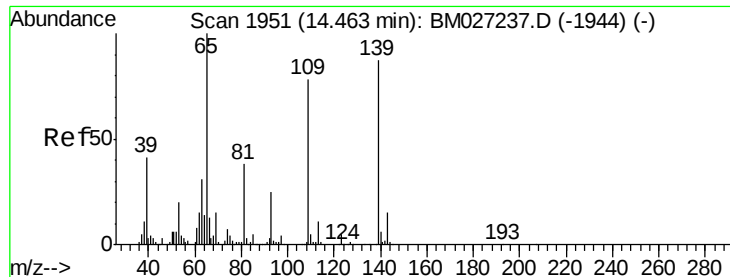
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.5	5.3
164	10.4	8.2	12.2



#50
Acenaphthene
Concen: 21.530 ng/ul
RT: 14.30 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BM027241.D
Acq: 26 Aug 2020 10:02

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.5	37.4	56.2
154	88.8	70.2	105.4





#53

4-Nitrophenol

Concen: 25.083 ng/ul

RT: 14.46 min Scan# 1950

Delta R.T. -0.01 min

Lab File: BM027241.D

Acq: 26 Aug 2020 10:02

Instrument :

BNA_M

ClientSampleId :

DBFR5MS

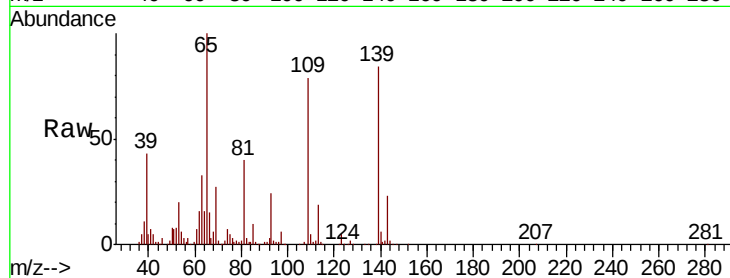
Tot Ion:109 Resp: 155228

Ion Ratio Lower Upper

109 100

139 106.7 86.1 129.1

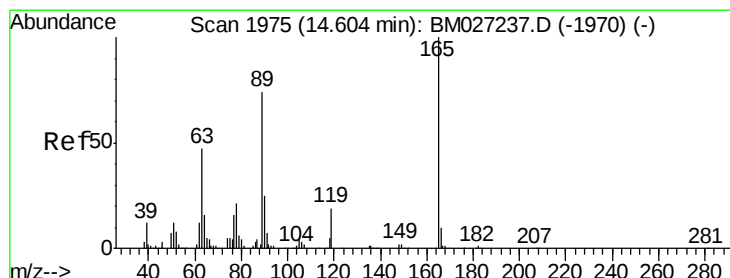
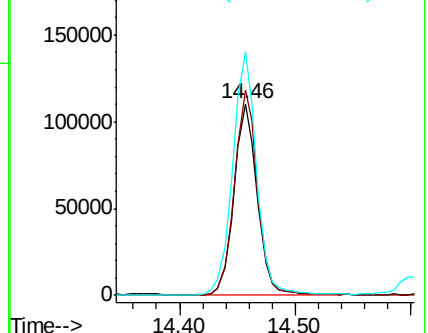
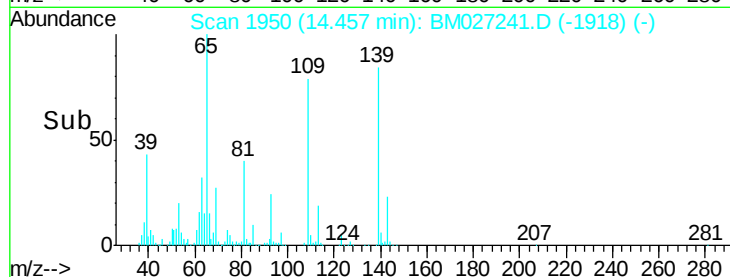
65 127.0 101.7 152.5



Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM



#55

2,4-Dinitrotoluene

Concen: 22.906 ng/ul

RT: 14.60 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BM027241.D

Acq: 26 Aug 2020 10:02

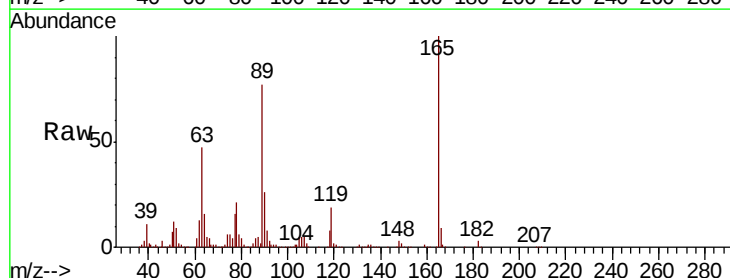
Tgt Ion:165 Resp: 269964

Ion Ratio Lower Upper

165 100

63 47.2 38.0 57.0

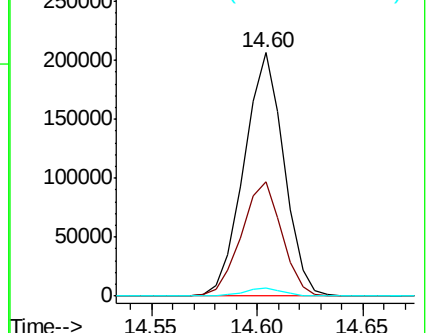
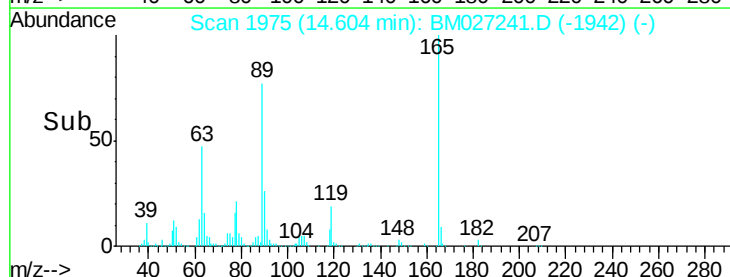
182 3.1 2.4 3.6

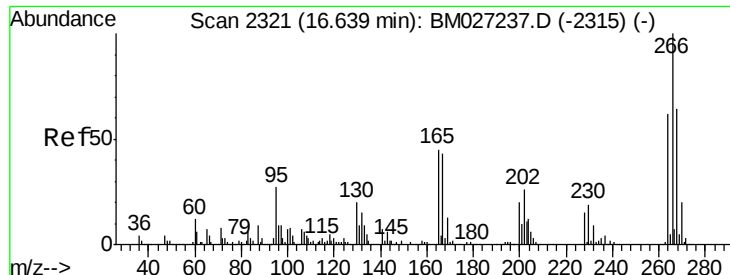


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 182.00 (181.70 to 182.70): E

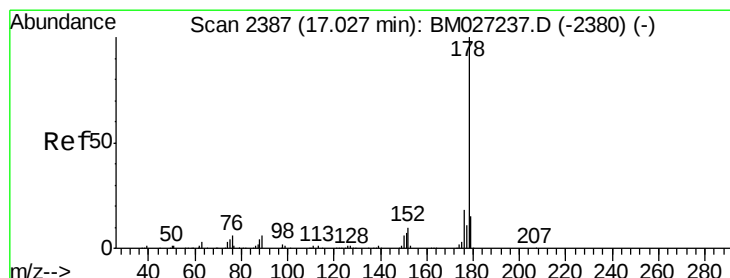
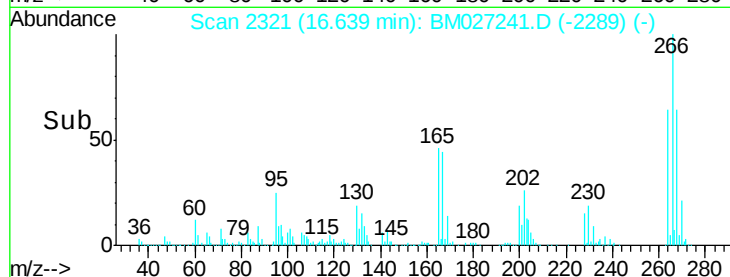
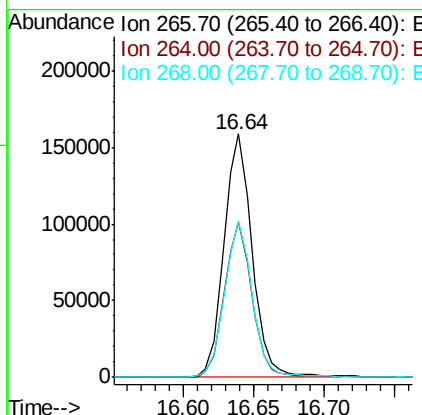
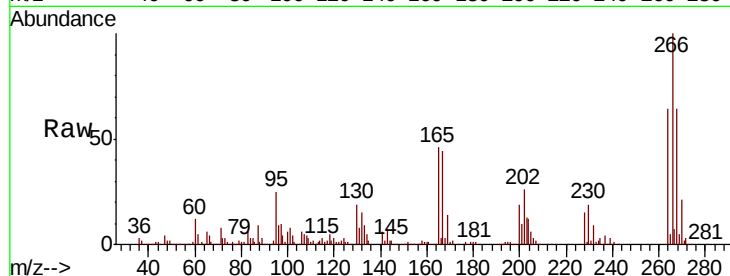




#69
 Pentachlorophenol
 Concen: 23.533 ng/ul
 RT: 16.64 min Scan# 2321
 Delta R.T. -0.01 min
 Lab File: BM027241.D
 Acq: 26 Aug 2020 10:02

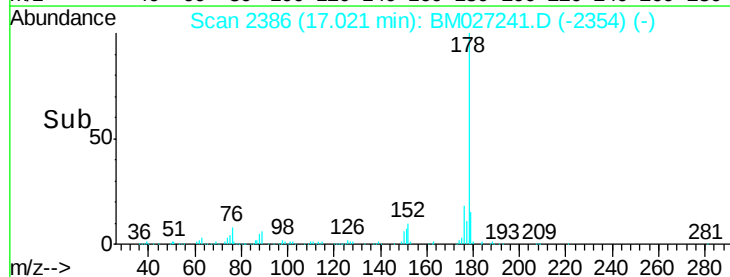
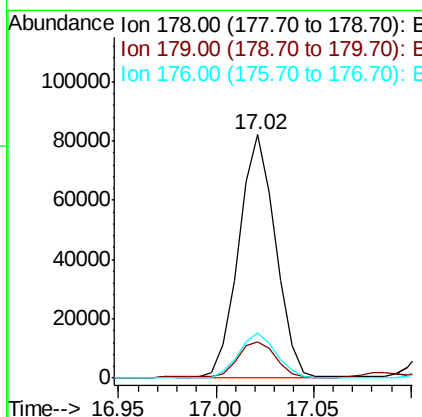
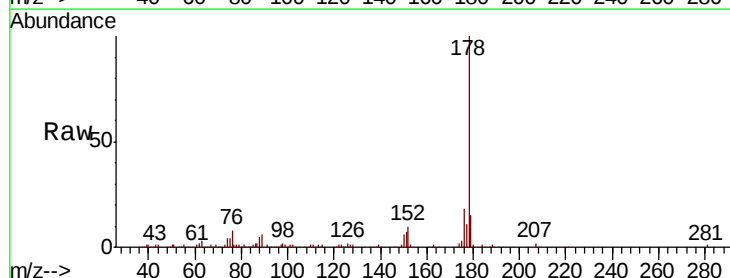
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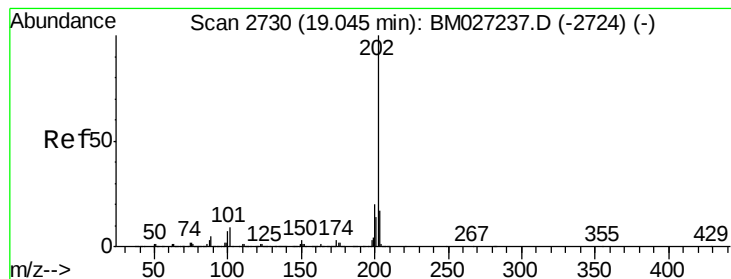
Tot Ion	Ratio	Lower	Upper
266	100		
264	63.6	49.8	74.8
268	64.1	50.3	75.5



#70
 Phenanthrene
 Concen: 1.676 ng/ul
 RT: 17.02 min Scan# 2386
 Delta R.T. -0.01 min
 Lab File: BM027241.D
 Acq: 26 Aug 2020 10:02

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.0	18.0
176	18.3	14.6	22.0





#77

Fluoranthene

Concen: 4.780 ng/ul

RT: 19.04 min Scan# 2730

Delta R.T. -0.01 min

Lab File: BM027241.D

Acq: 26 Aug 2020 10:02

Instrument :

BNA_M

ClientSampleId :

DBFR5MS

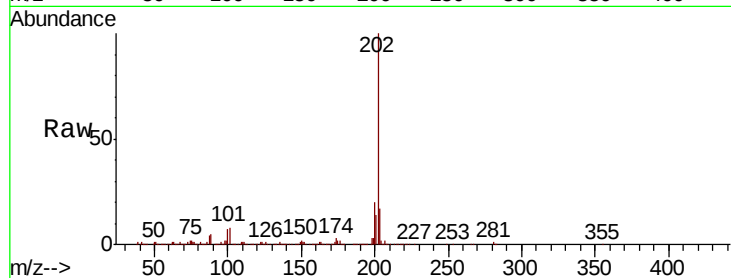
Tot Ion:202 Resp: 363949

Ion Ratio Lower Upper

202 100

101 7.9 6.4 9.6

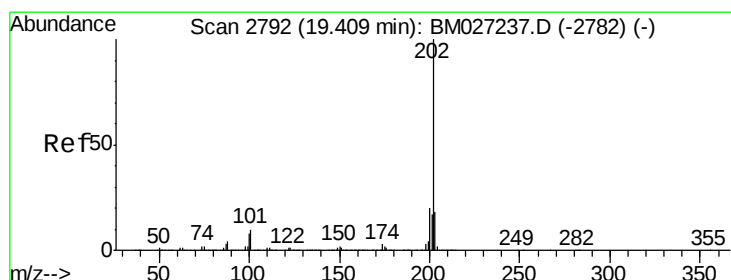
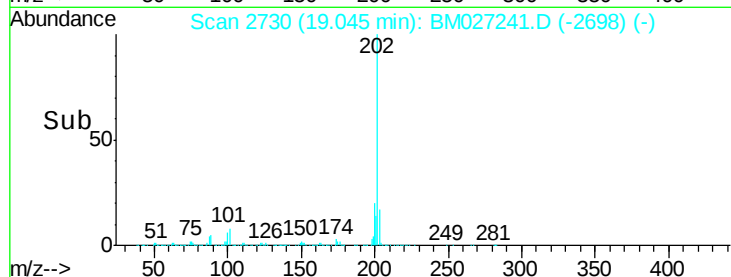
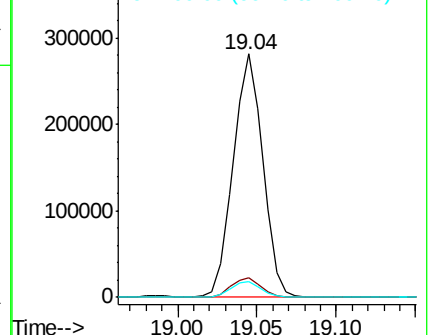
100 6.6 5.0 7.6



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): B



#80

Pyrene

Concen: 25.688 ng/ul

RT: 19.41 min Scan# 2792

Delta R.T. -0.01 min

Lab File: BM027241.D

Acq: 26 Aug 2020 10:02

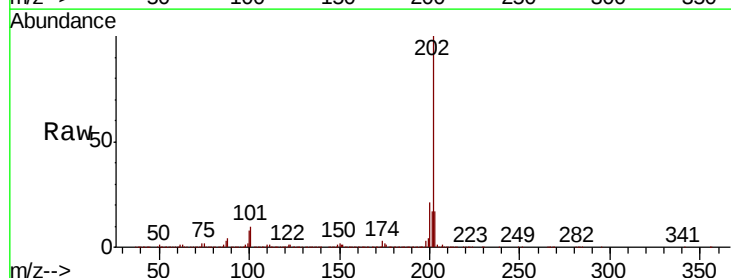
Tgt Ion:202 Resp: 2210369

Ion Ratio Lower Upper

202 100

101 9.7 8.0 12.0

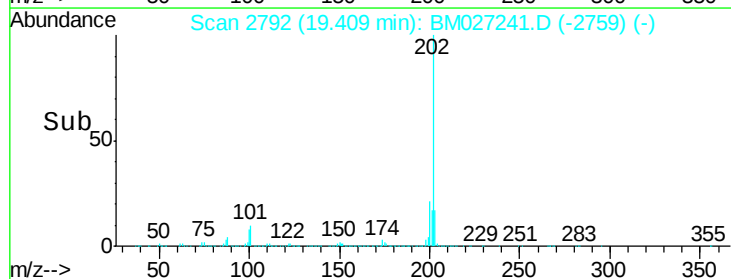
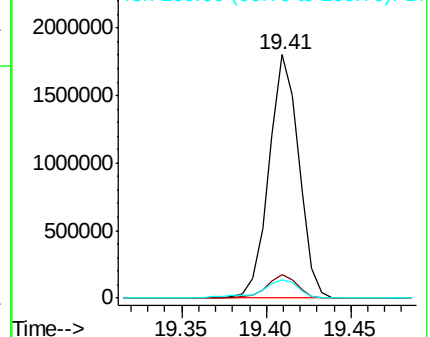
100 7.8 6.8 10.2

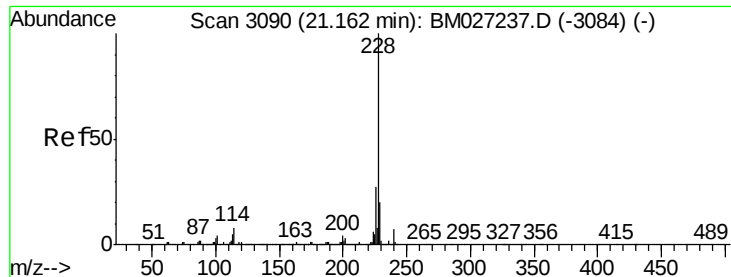


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 1.957 ng/ul

RT: 21.16 min Scan# 3090

Delta R.T. -0.01 min

Lab File: BM027241.D

Acq: 26 Aug 2020 10:02

Instrument :

BNA_M

ClientSampleId :

DBFR5MS

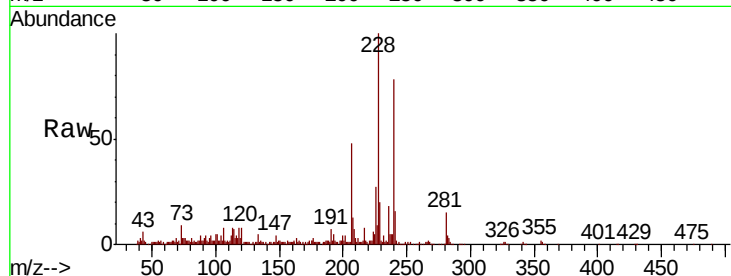
Tot Ion:228 Resp: 144764

Ion Ratio Lower Upper

228 100

229 20.4 15.5 23.3

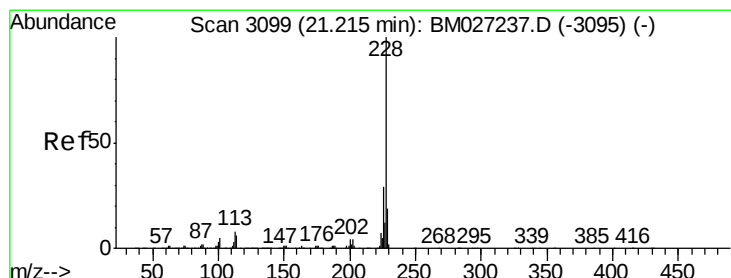
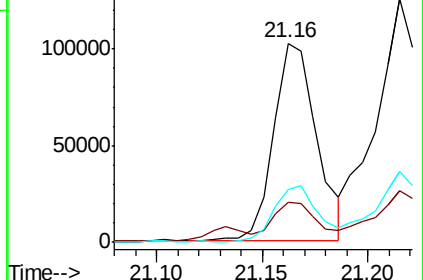
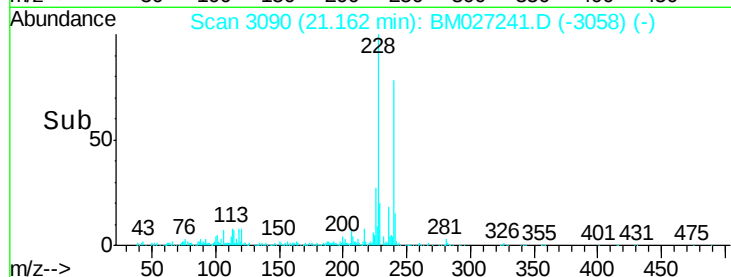
226 26.8 21.1 31.7



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#85

Chrysene

Concen: 2.567 ng/ul

RT: 21.22 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM027241.D

Acq: 26 Aug 2020 10:02

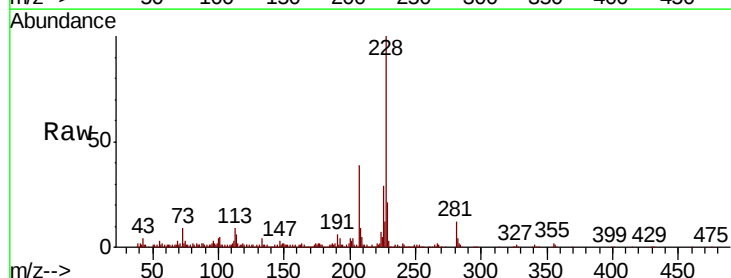
Tgt Ion:228 Resp: 181778

Ion Ratio Lower Upper

228 100

226 29.3 23.1 34.7

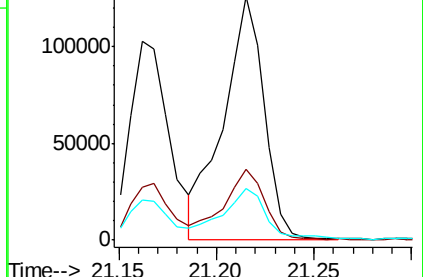
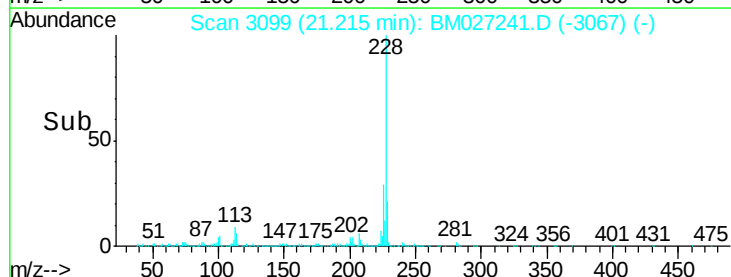
229 21.5 15.5 23.3

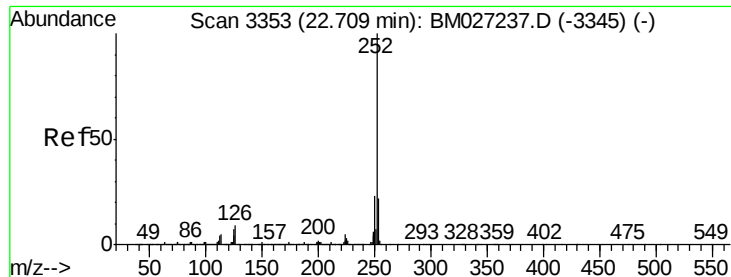


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 3.552 ng/ul

RT: 22.72 min Scan# 3354

Delta R.T. -0.01 min

Lab File: BM027241.D

Acq: 26 Aug 2020 10:02

Instrument :

BNA_M

ClientSampleId :

DBFR5MS

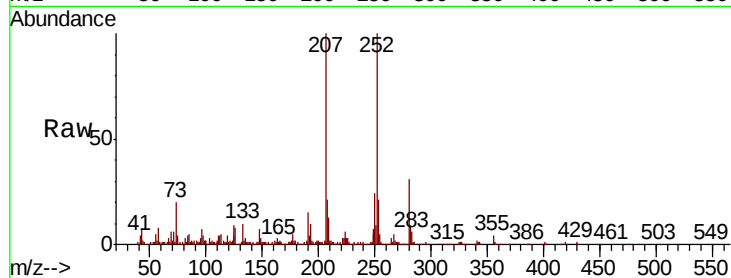
Tot Ion:252 Resp: 223477

Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

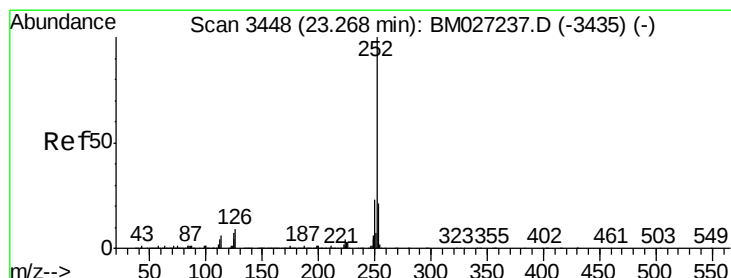
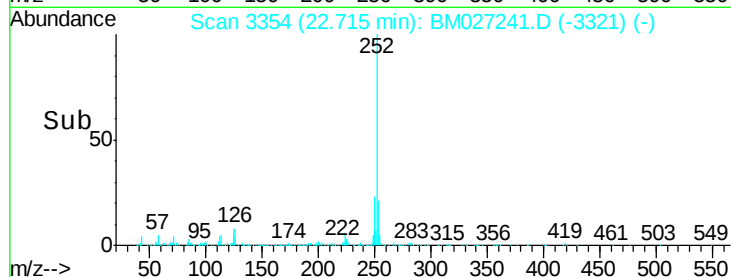
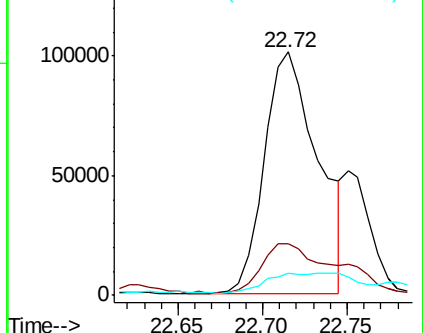
125 9.2 5.6 8.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(a)pyrene

Concen: 2.031 ng/ul

RT: 23.27 min Scan# 3448

Delta R.T. -0.01 min

Lab File: BM027241.D

Acq: 26 Aug 2020 10:02

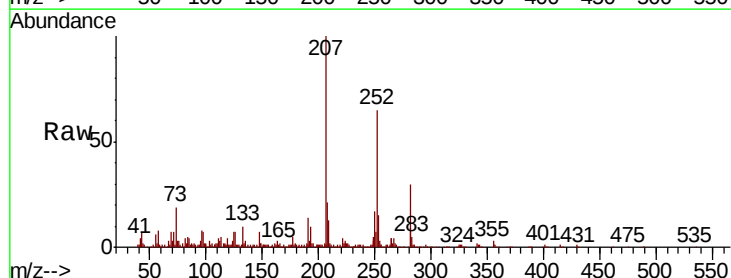
Tgt Ion:252 Resp: 112181

Ion Ratio Lower Upper

252 100

253 23.4 17.0 25.4

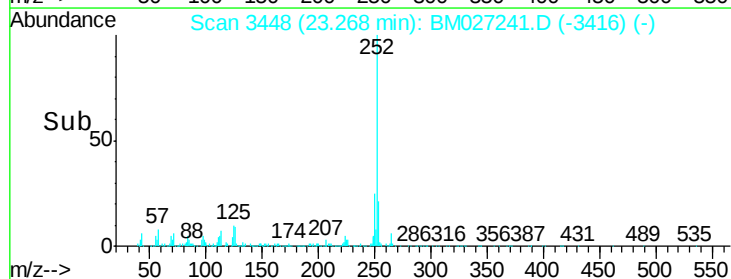
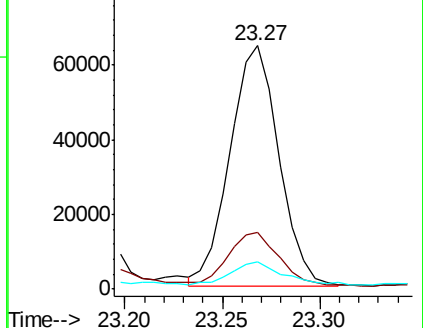
125 11.3 6.0 9.0#

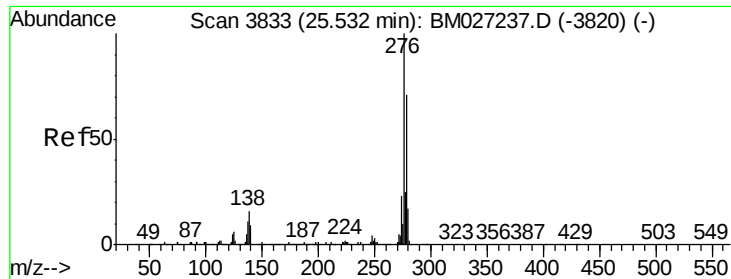


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



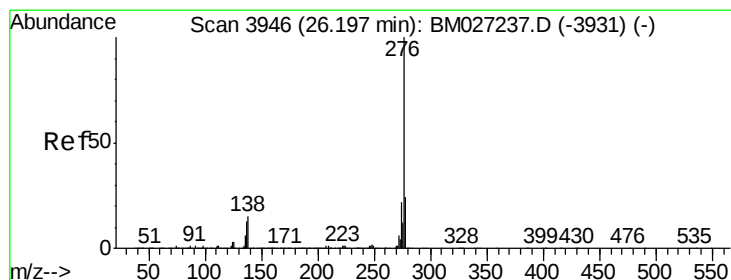
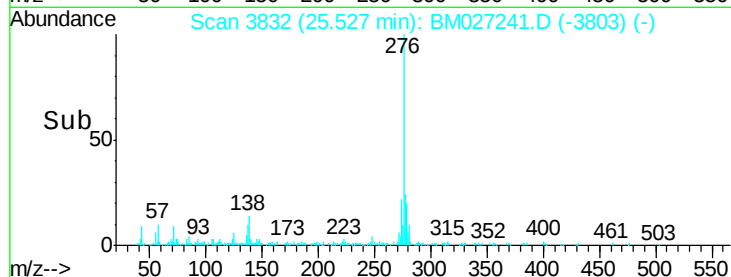
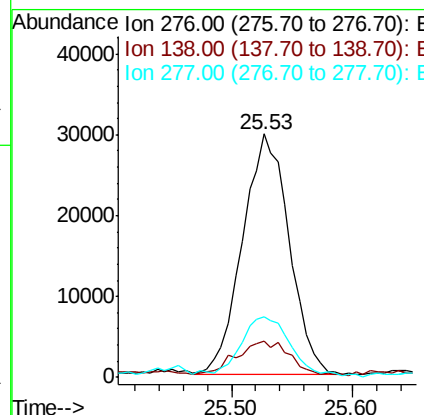
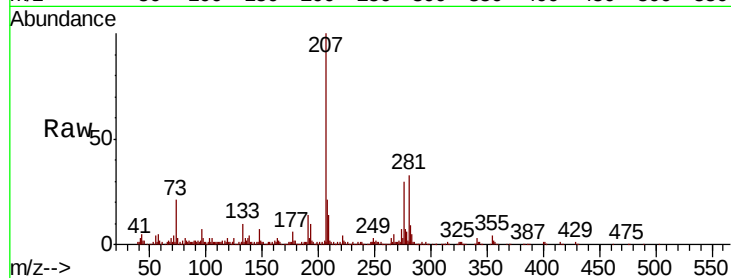


#92

Indeno(1,2,3-cd)pyrene
Concen: 1.257 ng/ul
RT: 25.53 min Scan# 3832
Delta R.T. -0.03 min
Lab File: BM027241.D
Acq: 26 Aug 2020 10:02

Instrument :
BNA_M
ClientSampleId :
DBFR5MS

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.7	13.3	19.9
277	24.7	20.2	30.2



#94

Benzo(g,h,i)perylene
Concen: 1.451 ng/ul
RT: 26.19 min Scan# 3944
Delta R.T. -0.04 min
Lab File: BM027241.D
Acq: 26 Aug 2020 10:02

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.2	11.0	16.4
277	24.5	18.7	28.1

