

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050819\
 Data File : BM020208.D
 Acq On : 08 May 2019 23:13
 Operator : JU/SJ
 Sample : K2643-03 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OR-03-050719-B

Manual Integrations
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Sohil
 5/9/2019 6:45:42 PM

Quant Time: May 09 03:41:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 03:58:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	181194	20.00	ng	0.00
21) Naphthalene-d8	10.58	136	645089	20.00	ng	0.00
39) Acenaphthene-d10	14.43	164	357324	20.00	ng	0.00
64) Phenanthrene-d10	17.18	188	783200	20.00	ng	0.00
76) Chrysene-d12	21.36	240	793689	20.00	ng	0.00
87) Perylene-d12	23.66	264	936836	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	251167	22.66	ng	0.00
7) Phenol-d6	6.95	99	339014	22.39	ng	0.00
23) Nitrobenzene-d5	8.95	82	239379	14.65	ng	0.00
42) 2,4,6-Tribromophenol	15.92	330	120098	21.65	ng	0.00
45) 2-Fluorobiphenyl	13.05	172	422875	14.56	ng	-0.01
79) Terphenyl-d14	19.80	244	567499	12.47	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.16	152	116232	3.093	ng	98
58) Fluorene	15.48	166	74601	2.499	ng	98
71) Phenanthrene	17.22	178	602119	13.927	ng	99
72) Anthracene	17.31	178	215859	4.994	ng	98
75) Fluoranthene	19.24	202	1142646	20.889	ng	99
78) Pyrene	19.60	202	1110347	20.837	ng	99
81) Benzo(a)anthracene	21.35	228	571386	10.265	ng	95
83) Chrysene	21.40	228	515301m	9.546	ng	
86) Indeno(1,2,3-cd)pyrene	25.99	276	353158	5.500	ng	# 100
88) Benzo(b)fluoranthene	22.96	252	716610m	11.584	ng	
89) Benzo(k)fluoranthene	23.01	252	204420m	3.622	ng	
90) Benzo(a)pyrene	23.56	252	565458	10.063	ng	# 93
92) Benzo(a,h,i)perylene	26.71	276	346244	6.241	ng	97

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

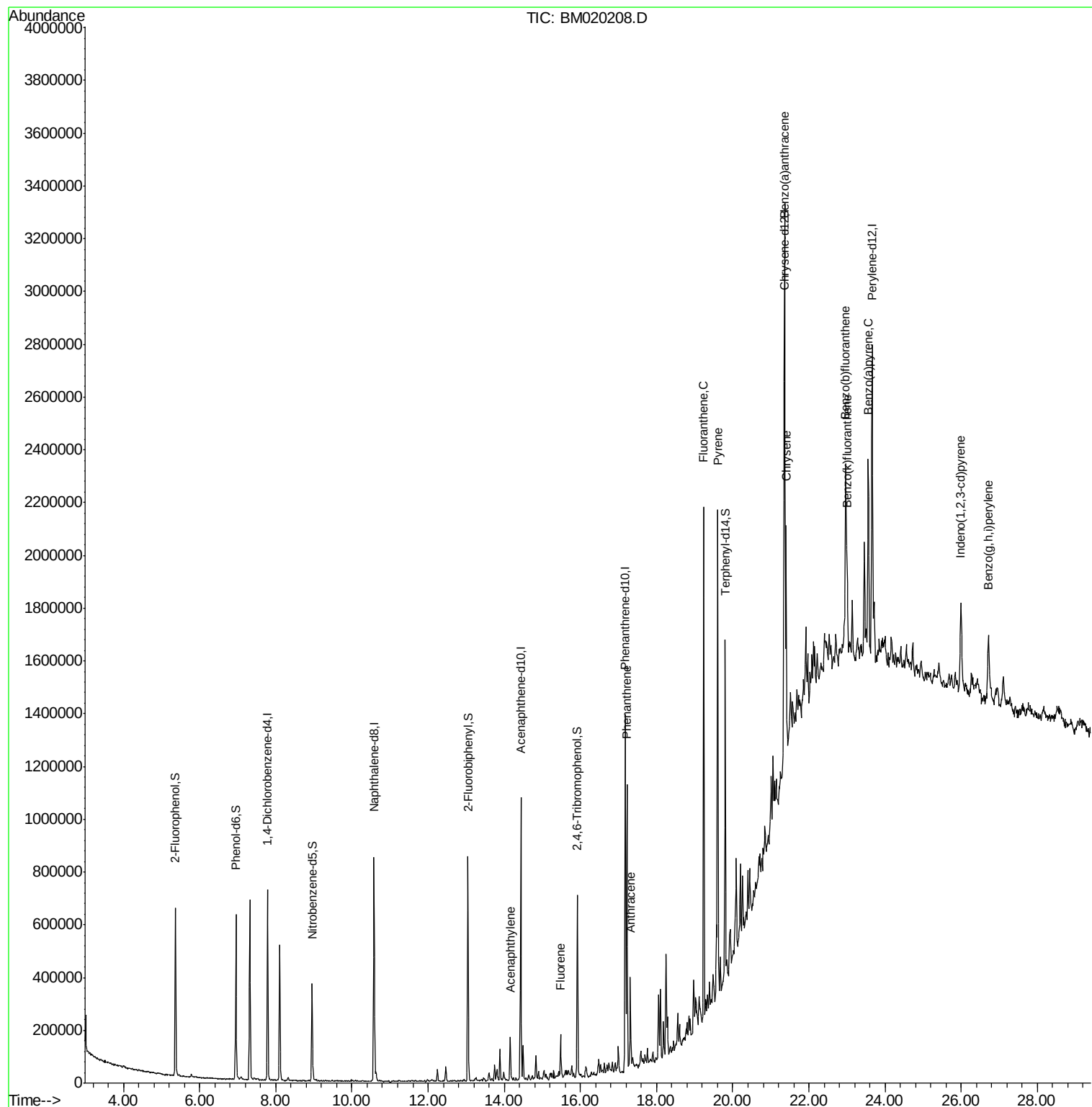
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050819\
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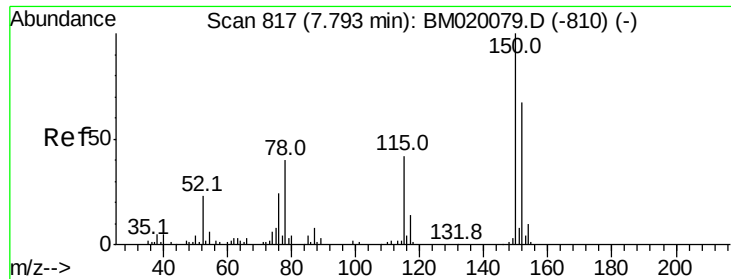
Instrument :
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#1

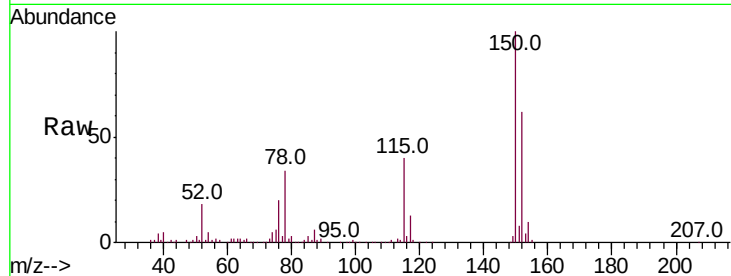
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.79 min Scan# 816
Delta R.T. -0.01 min
Lab File: BM020208.D
Acq: 08 May 2019 23:13

Instrument :
BNA_M
ClientSampleId :
OR-03-050719-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.4	119.8	179.8
115	63.7	50.8	76.2

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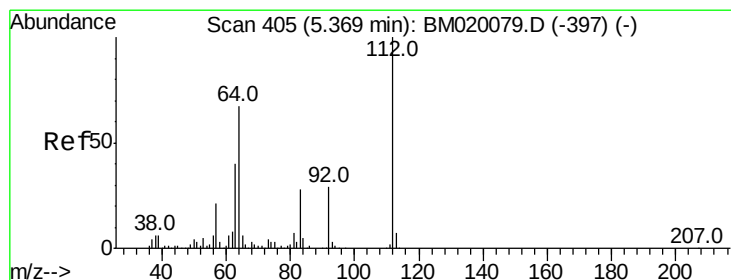
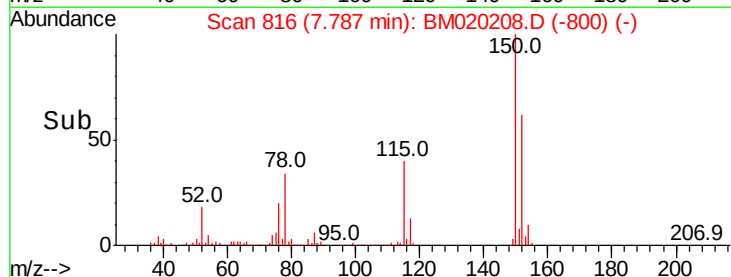
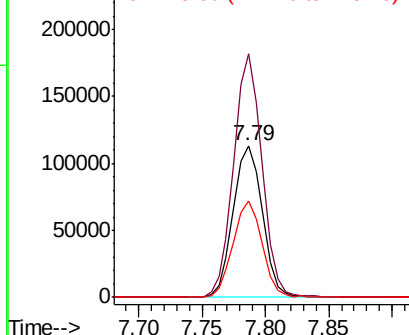


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 22.658 ng
RT: 5.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: BM020208.D
Acq: 08 May 2019 23:13

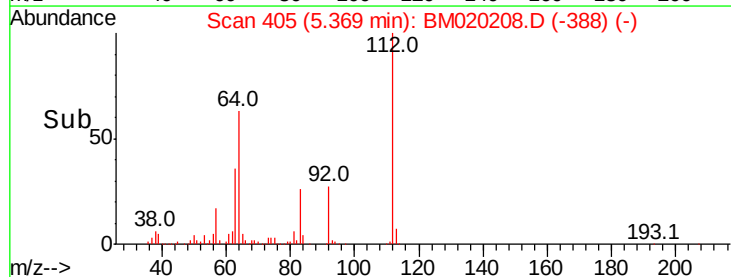
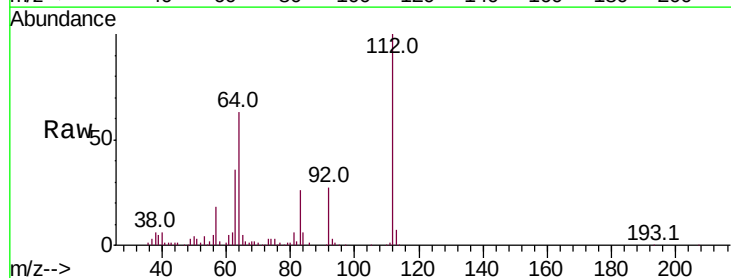
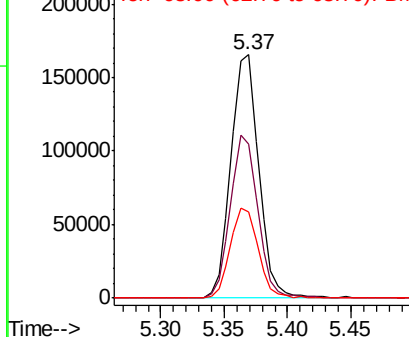
Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.4	53.8	80.6
63	35.6	32.3	48.5

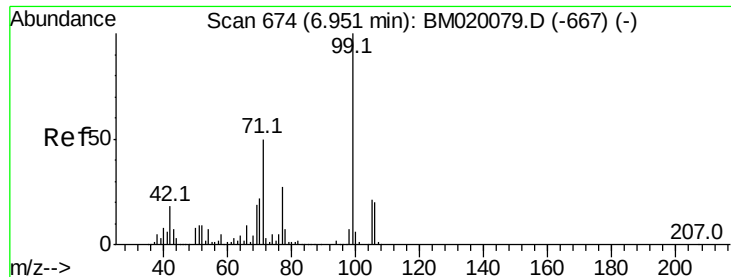
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 22.387 ng

RT: 6.95 min Scan# 674

Delta R.T. -0.00 min

Lab File: BM020208.D

Acq: 08 May 2019 23:13

Instrument :

BNA_M

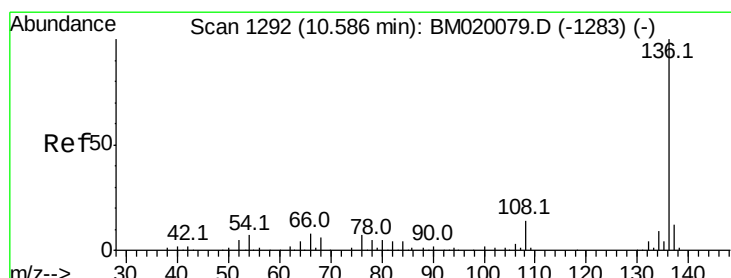
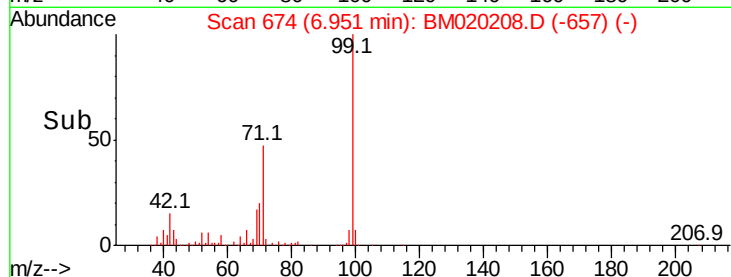
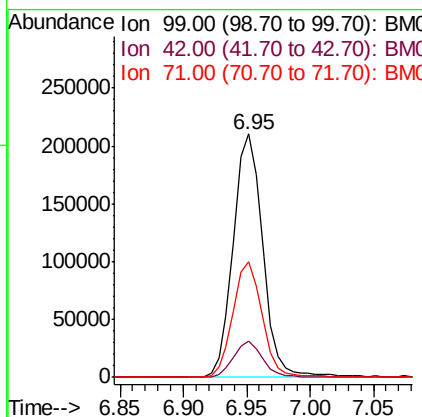
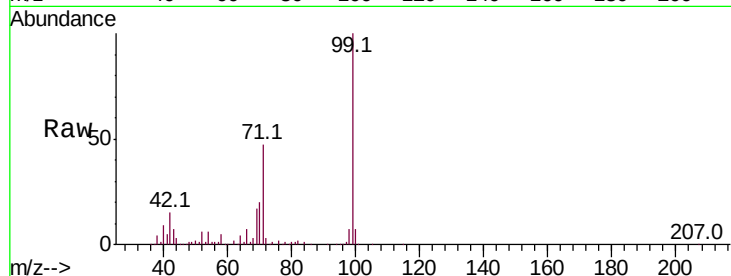
ClientSampleId :

OR-03-050719-B

Tot Ion:	99	Resp:	339014
Ion	Ratio	Lower	Upper
99	100		
42	14.7	14.2	21.2
71	47.4	40.3	60.5

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#21

Naphthalene-d8

Concen: 20.000 ng

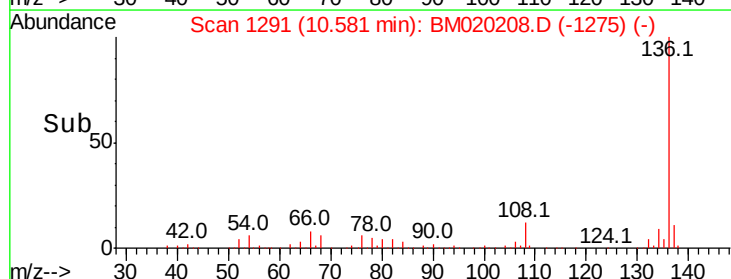
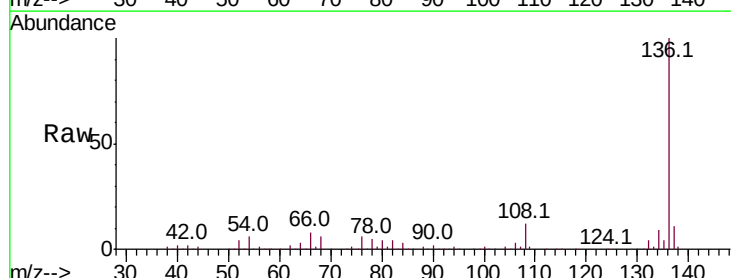
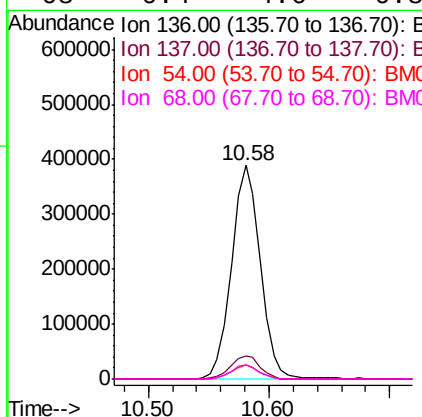
RT: 10.58 min Scan# 1291

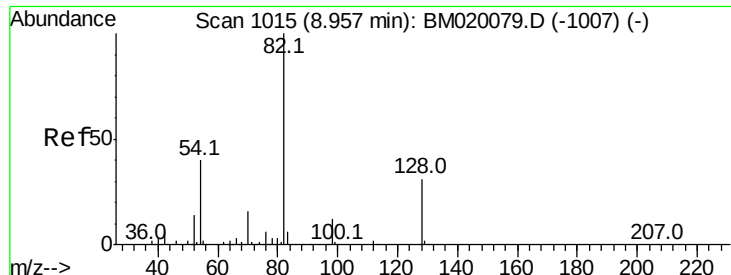
Delta R.T. -0.01 min

Lab File: BM020208.D

Acq: 08 May 2019 23:13

Tgt Ion:	136	Resp:	645089
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.6	14.4
54	6.3	5.5	8.3
68	6.4	4.6	6.8





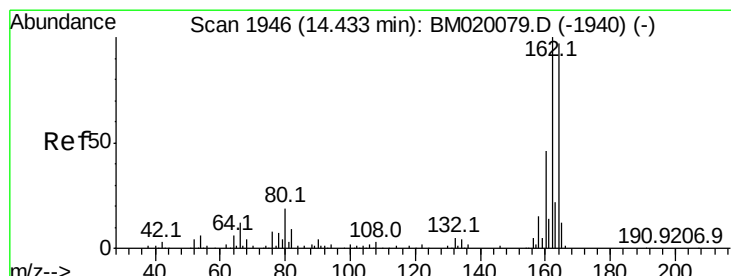
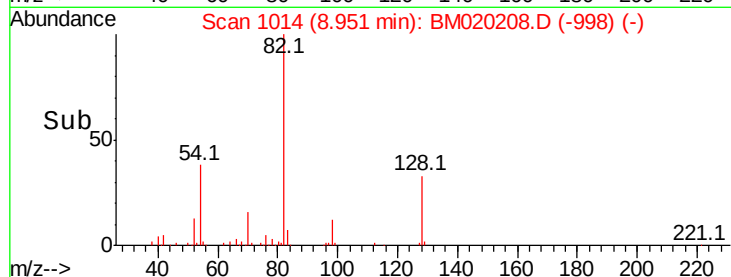
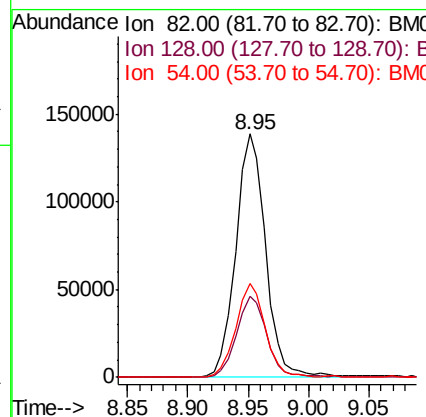
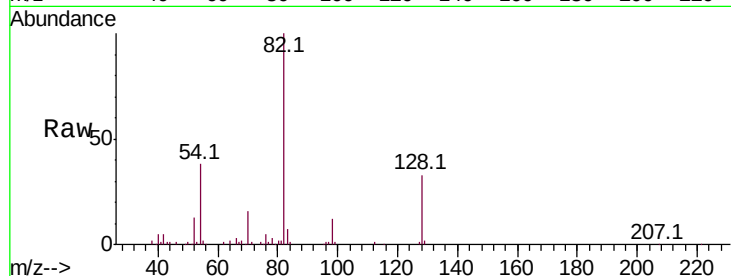
#23
 Nitrobenzene-d5
 Concen: 14.650 ng
 RT: 8.95 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: BM020208.D
 Acq: 08 May 2019 23:13

Instrument :
 BNA_M
 ClientSampled :
 OR-03-050719-B

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	33.5	25.2	37.8	
54	38.4	31.9	47.9	

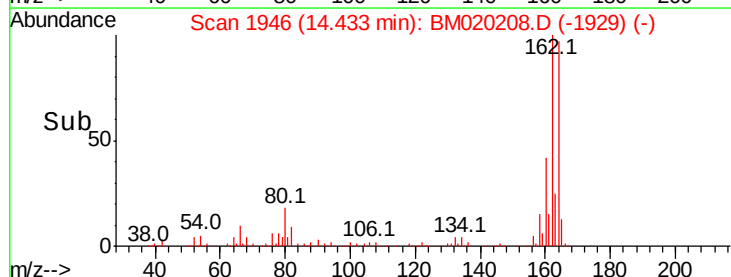
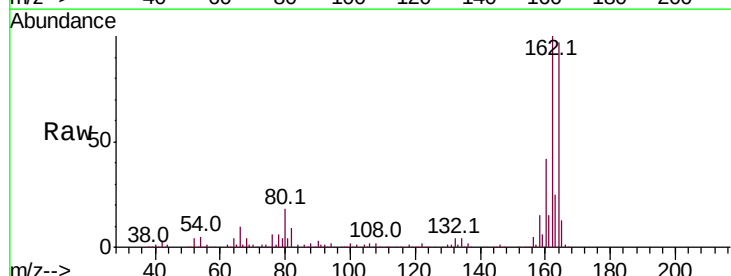
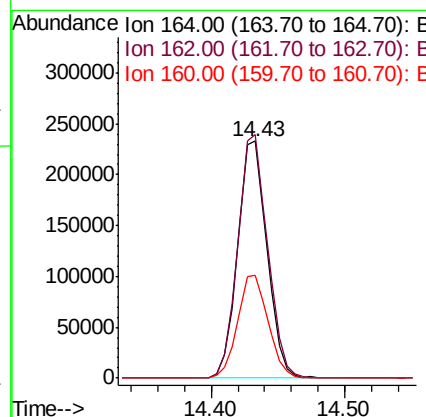
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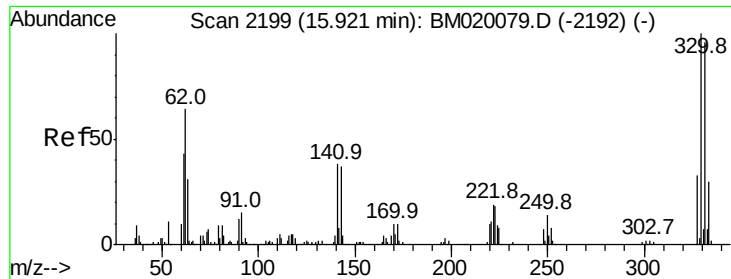
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.43 min Scan# 1946
 Delta R.T. -0.00 min
 Lab File: BM020208.D
 Acq: 08 May 2019 23:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.7	82.2	123.2	
160	43.4	37.6	56.4	





#42

2,4,6-Tribromophenol

Concen: 21.654 ng

RT: 15.92 min Scan# 2199

Delta R.T. -0.00 min

Lab File: BM020208.D

Acq: 08 May 2019 23:13

Instrument :

BNA_M

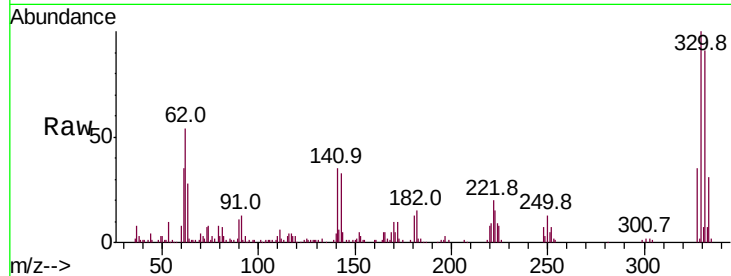
ClientSampleId :

OR-03-050719-B

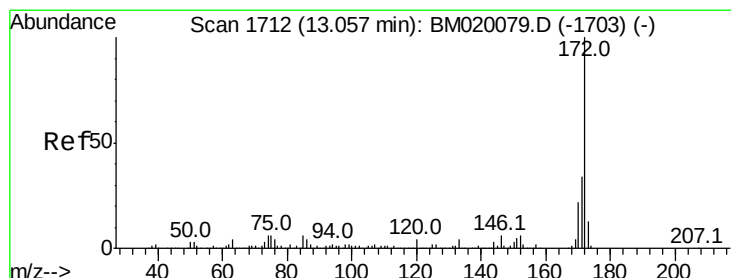
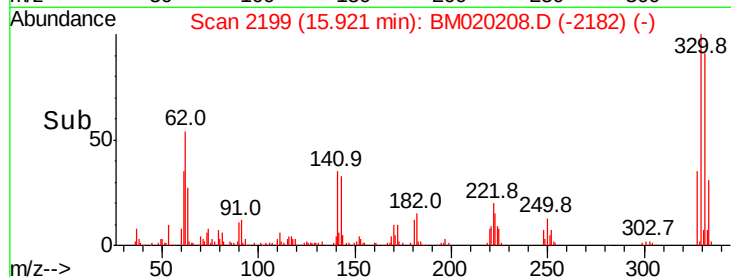
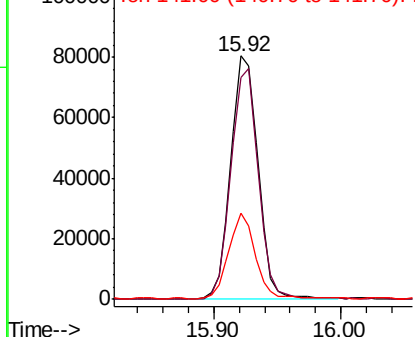
Tot Ion:	330	Resp:	120098
Ion Ratio	Lower	Upper	
330	100		
332	94.8	76.8	115.2
141	35.3	29.2	43.8

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 14.561 ng

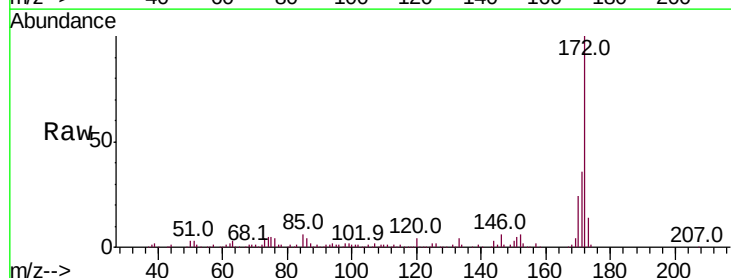
RT: 13.05 min Scan# 1710

Delta R.T. -0.01 min

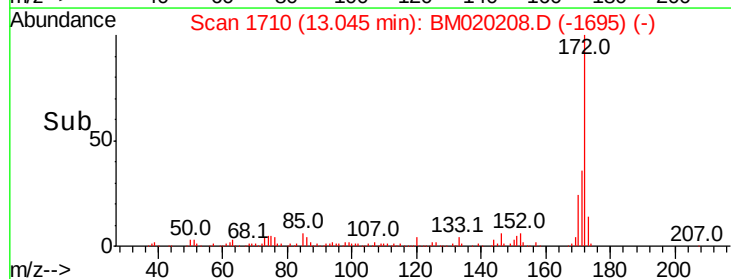
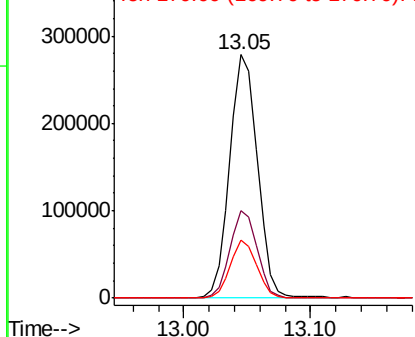
Lab File: BM020208.D

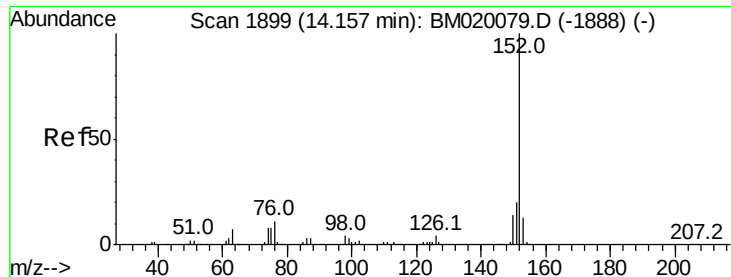
Acq: 08 May 2019 23:13

Tgt Ion:	172	Resp:	422875
Ion Ratio	Lower	Upper	
172	100		
171	36.0	27.3	40.9
170	23.7	17.9	26.9



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#49

Acenaphthylene

Concen: 3.093 ng

RT: 14.16 min Scan# 1899

Delta R.T. -0.00 min

Lab File: BM020208.D

Acq: 08 May 2019 23:13

Instrument :

BNA_M

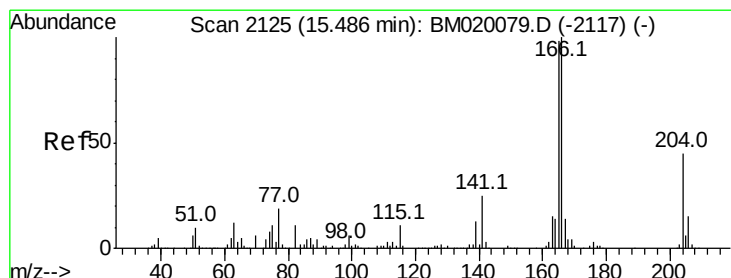
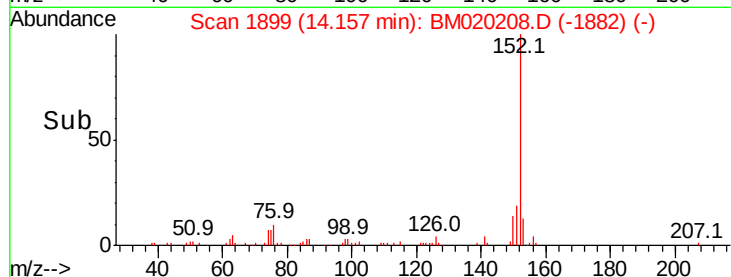
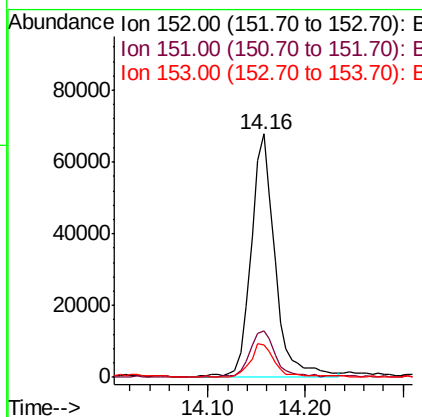
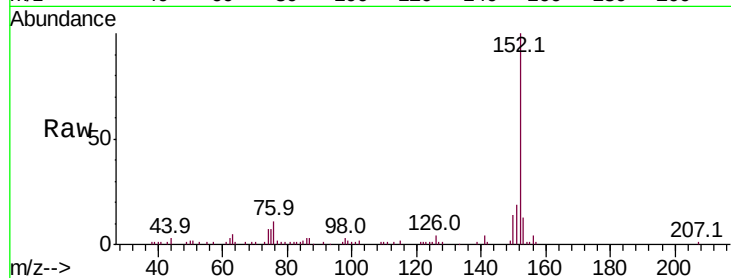
ClientSampleId :

OR-03-050719-B

Tot Ion:	152	Resp:	116232
Ion Ratio	Lower	Upper	
152	100		
151	19.0	16.2	24.2
153	13.2	10.6	16.0

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#58

Fluorene

Concen: 2.499 ng

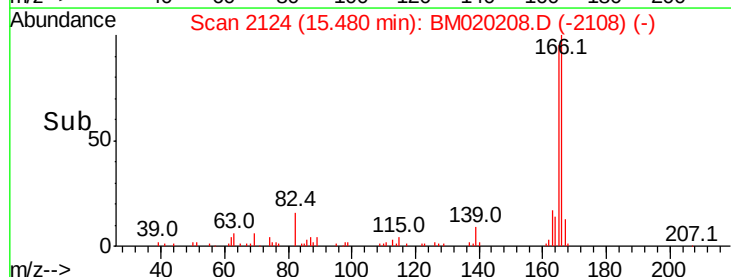
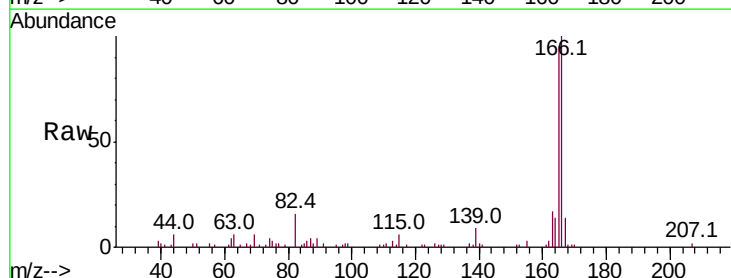
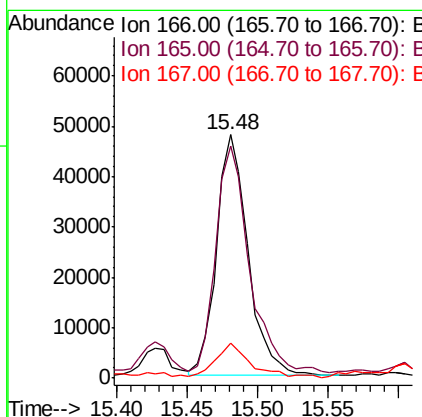
RT: 15.48 min Scan# 2124

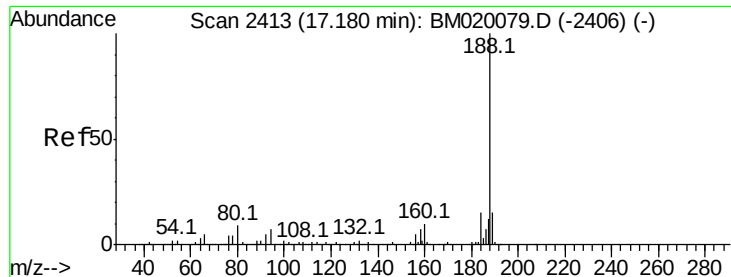
Delta R.T. -0.01 min

Lab File: BM020208.D

Acq: 08 May 2019 23:13

Tgt Ion:	166	Resp:	74601
Ion Ratio	Lower	Upper	
166	100		
165	95.5	78.2	117.2
167	14.2	11.0	16.4





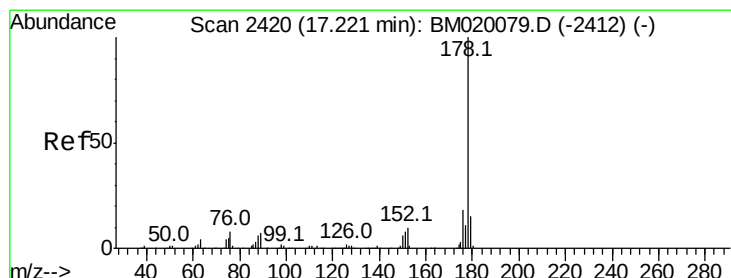
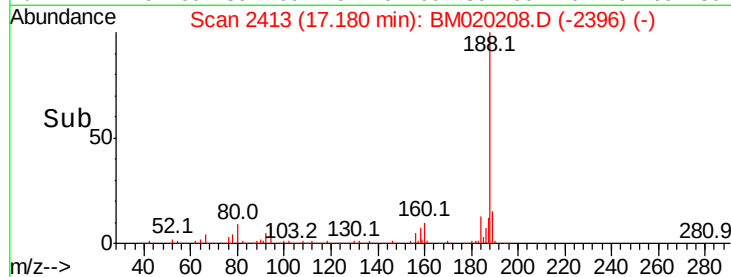
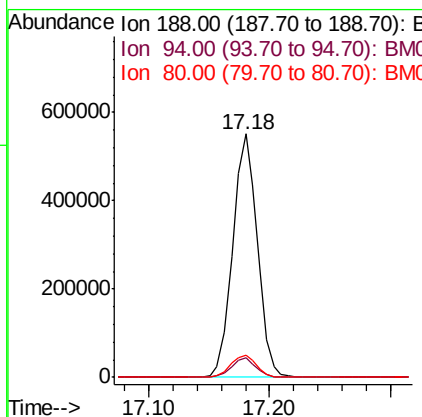
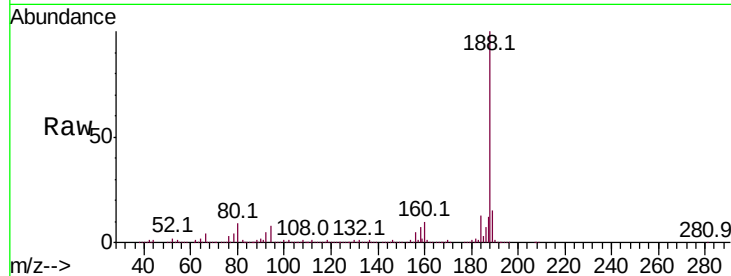
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.18 min Scan# 2413
 Delta R.T. -0.00 min
 Lab File: BM020208.D
 Acq: 08 May 2019 23:13

Instrument :
 BNA_M
 ClientSampleId :
 OR-03-050719-B

Tot Ion:	188	Resp:	783200
Ion Ratio	Lower	Upper	
188	100		
94	8.1	5.8	8.6
80	9.3	7.4	11.2

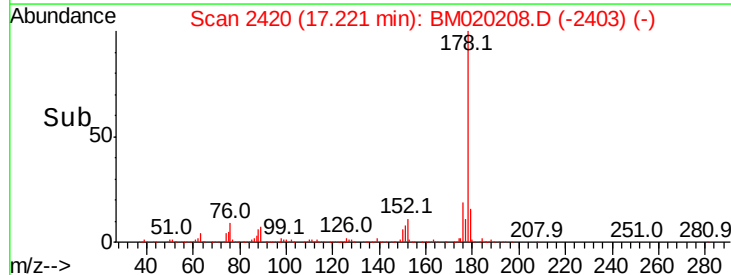
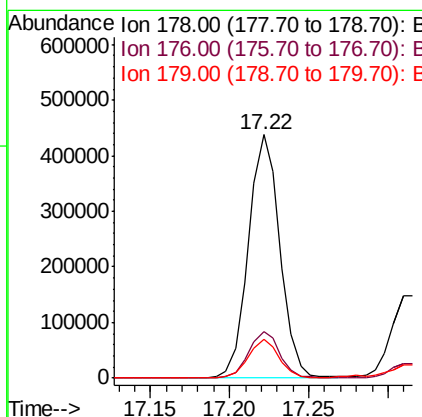
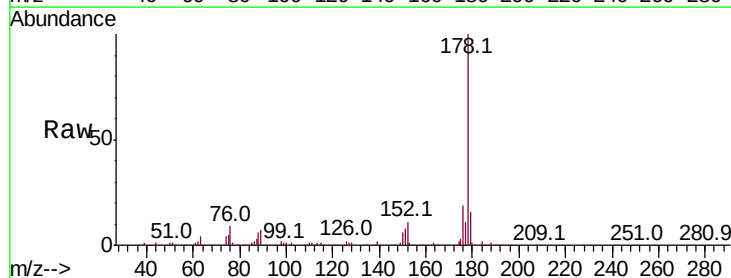
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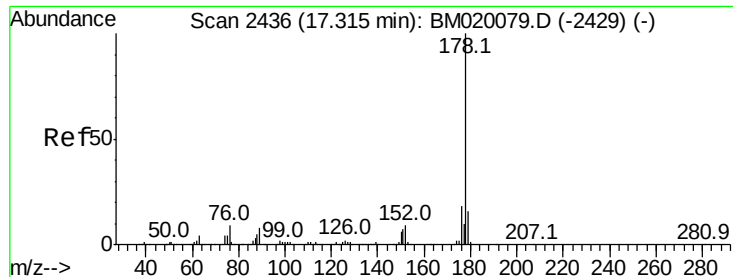
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#71
 Phenanthrene
 Concen: 13.927 ng
 RT: 17.22 min Scan# 2420
 Delta R.T. -0.00 min
 Lab File: BM020208.D
 Acq: 08 May 2019 23:13

Tgt Ion:	178	Resp:	602119
Ion Ratio	Lower	Upper	
178	100		
176	19.1	14.6	21.8
179	15.8	12.4	18.6





#72

Anthracene

Concen: 4.994 ng

RT: 17.31 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BM020208.D

Acq: 08 May 2019 23:13

Instrument :

BNA_M

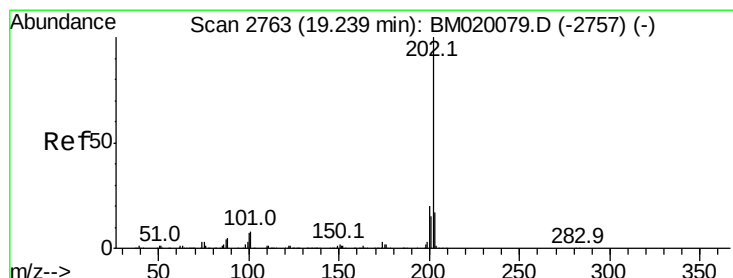
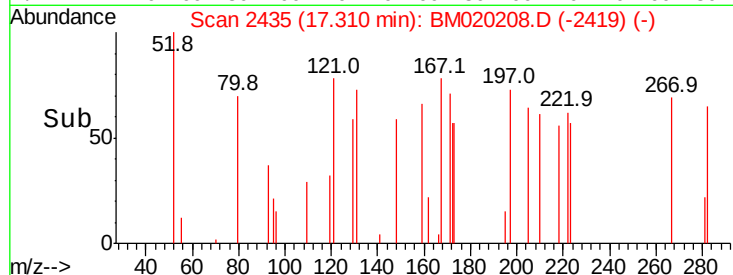
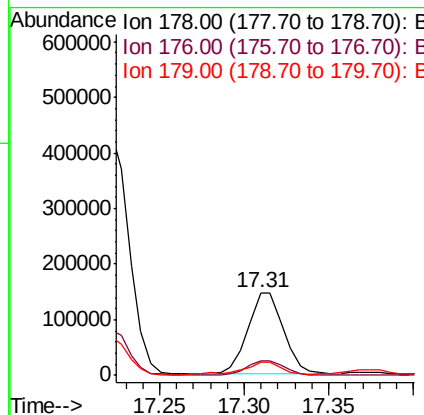
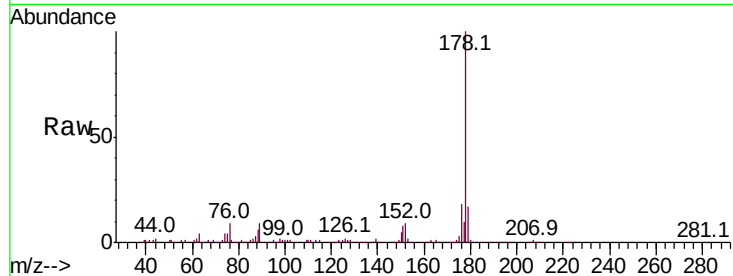
ClientSampleId :

OR-03-050719-B

Tot Ion:	178	Resp:	215859
Ion Ratio	Lower	Upper	
178	100		
176	17.6	14.6	22.0
179	16.7	12.4	18.6

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#75

Fluoranthene

Concen: 20.889 ng

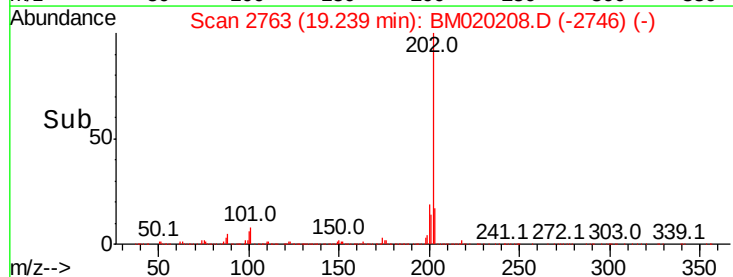
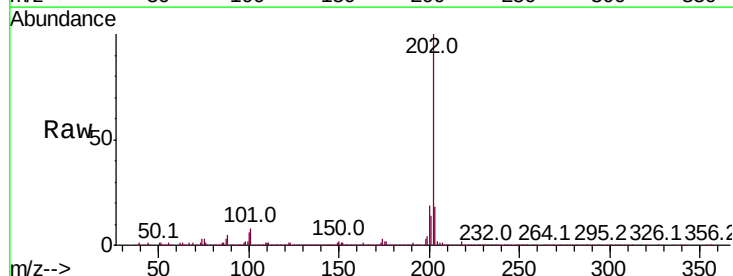
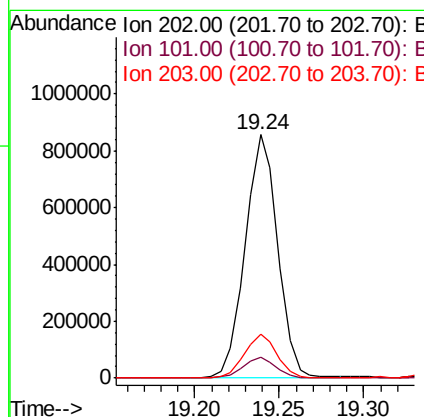
RT: 19.24 min Scan# 2763

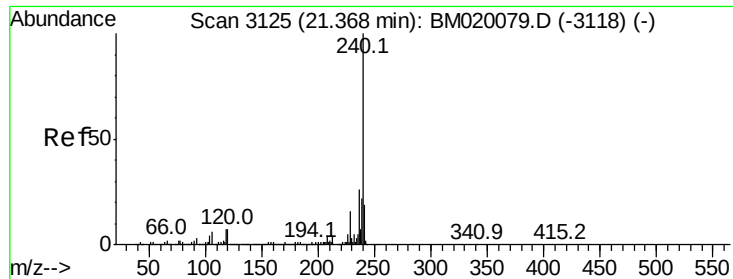
Delta R.T. -0.00 min

Lab File: BM020208.D

Acq: 08 May 2019 23:13

Tgt Ion:	202	Resp:	1142646
Ion Ratio	Lower	Upper	
202	100		
101	8.4	0.0	28.4
203	18.1	0.0	37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.36 min Scan# 3124

Delta R.T. -0.01 min

Lab File: BM020208.D

Acq: 08 May 2019 23:13

Instrument :

BNA_M

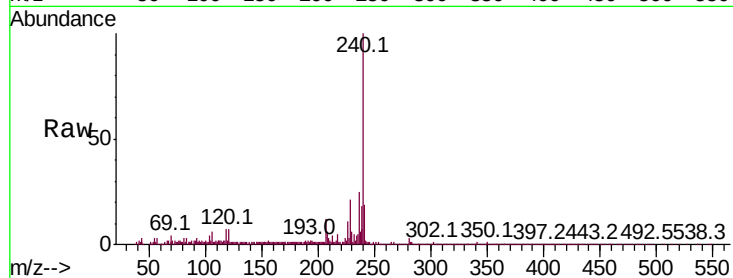
ClientSampleId :

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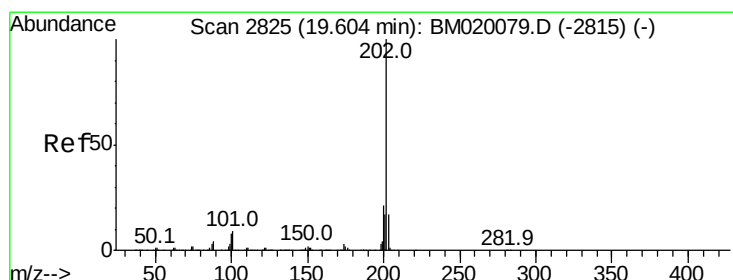
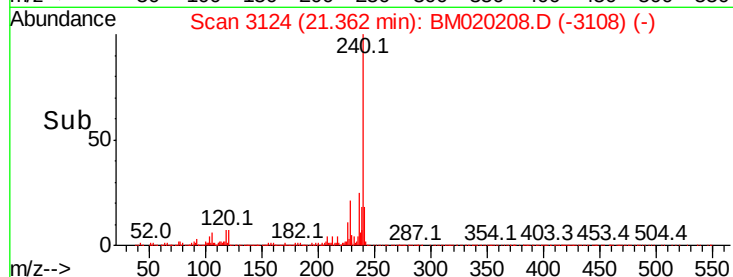
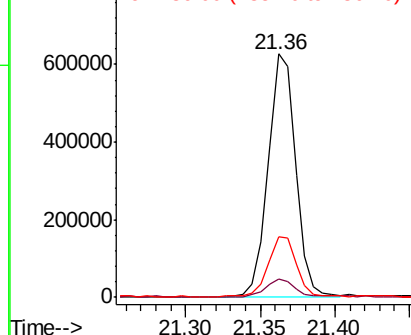
Tot Ion:	240	Resp:	793689
Ion Ratio	Lower	Upper	
240	100		
120	7.3	5.6	8.4
236	25.0	20.9	31.3

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 20.837 ng

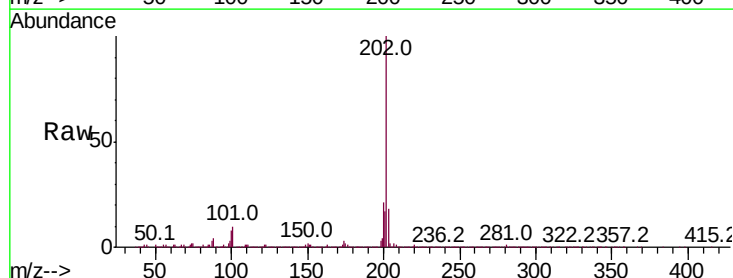
RT: 19.60 min Scan# 2825

Delta R.T. -0.00 min

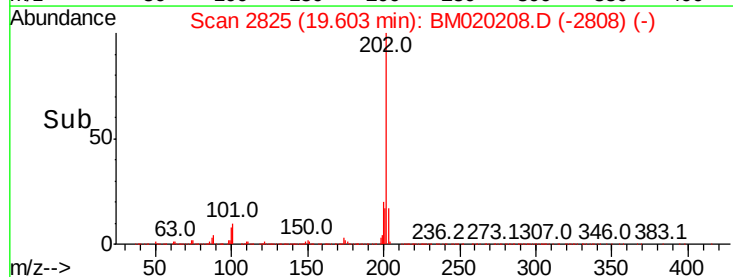
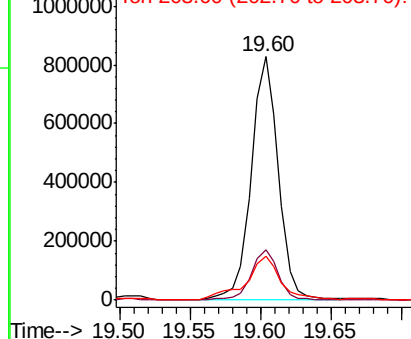
Lab File: BM020208.D

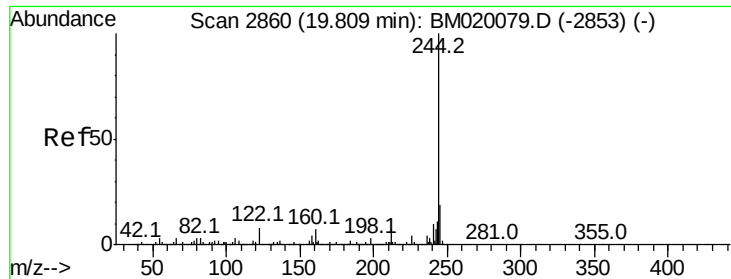
Acq: 08 May 2019 23:13

Tgt Ion:	202	Resp:	1110347
Ion Ratio	Lower	Upper	
202	100		
200	20.6	16.5	24.7
203	18.0	13.9	20.9



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 12.471 ng

RT: 19.80 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BM020208.D

Acq: 08 May 2019 23:13

Instrument :

BNA_M

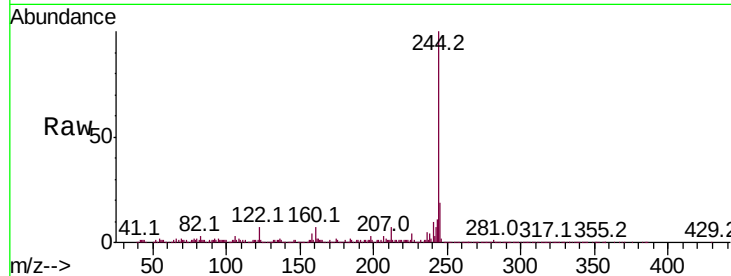
ClientSampleId :

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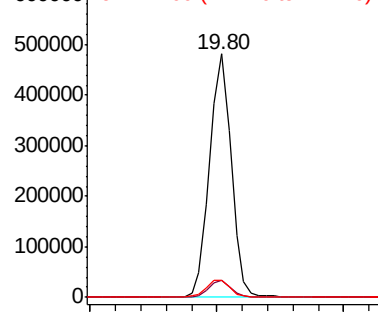
Tot Ion:	244	Resp:	567499
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.7	8.5
122	7.0	6.2	9.2

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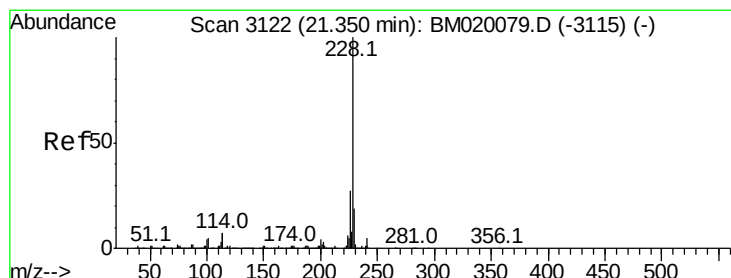
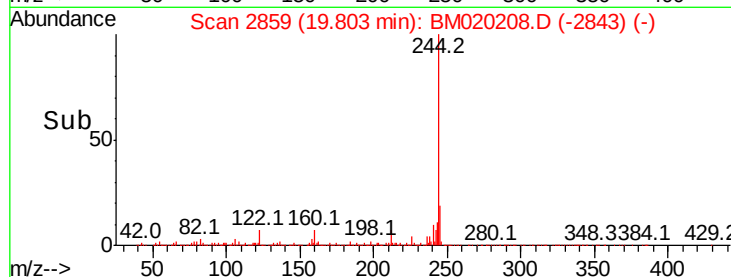
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time--> 19.70 19.80 19.90



#81

Benzo(a)anthracene

Concen: 10.265 ng

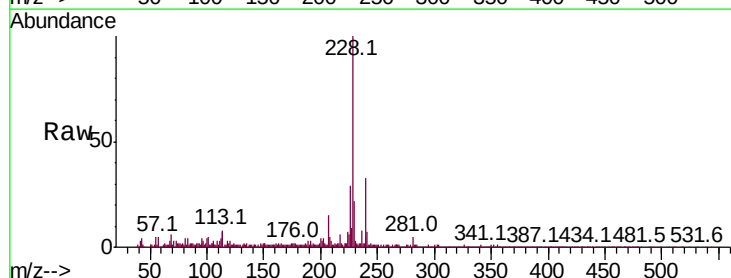
RT: 21.35 min Scan# 3122

Delta R.T. -0.00 min

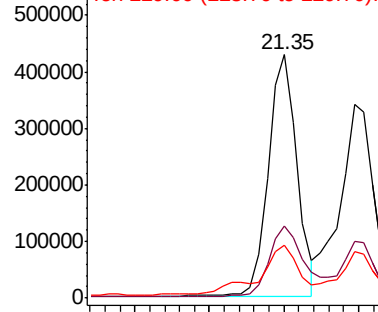
Lab File: BM020208.D

Acq: 08 May 2019 23:13

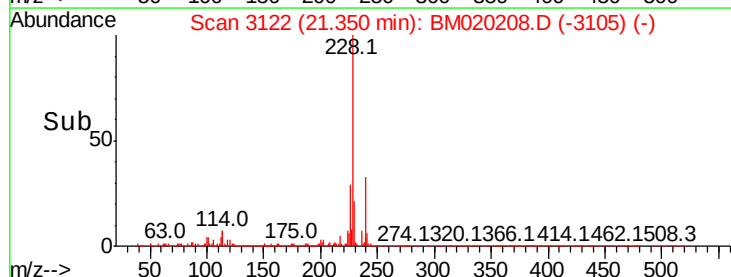
Tgt Ion:	228	Resp:	571386
Ion Ratio	Lower	Upper	
228	100		
226	29.3	21.3	31.9
229	21.8	15.5	23.3

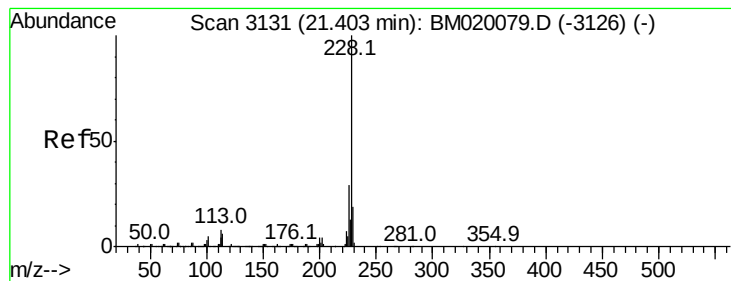


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time--> 21.25 21.30 21.35 21.40





#83

Chrysene

Concen: 9.546 ng/mL

RT: 21.40 min Scan# 3130

Delta R.T. -0.01 min

Lab File: BM020208.D

Acq: 08 May 2019 23:13

Instrument :

BNA_M

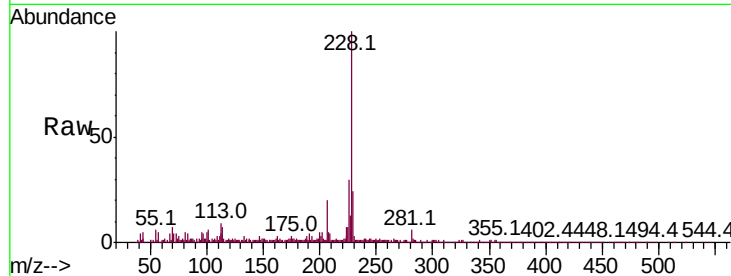
ClientSampleId :

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Tot Ion:	228	Resp:	515301
Ion Ratio	Lower	Upper	
228	100		
226	29.5	23.0	34.6
229	23.6	15.5	23.3#

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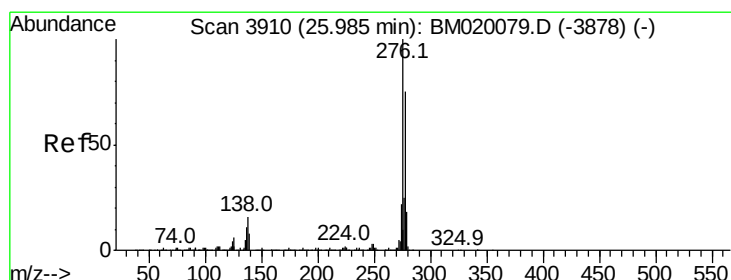
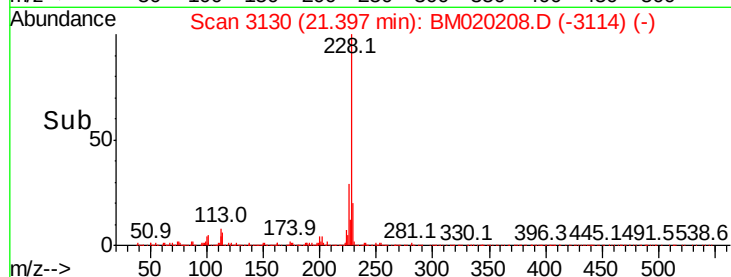
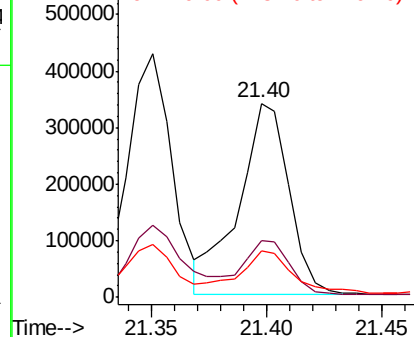


Abundance

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



#86

Indeno(1,2,3-cd)pyrene

Concen: 5.500 ng

RT: 25.99 min Scan# 3911

Delta R.T. 0.01 min

Lab File: BM020208.D

Acq: 08 May 2019 23:13

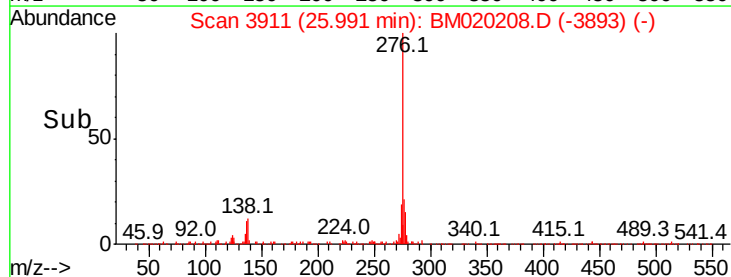
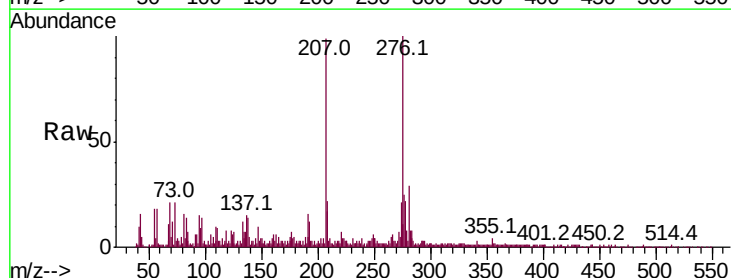
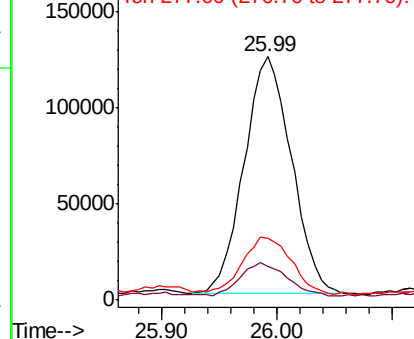
Tgt Ion:	276	Resp:	353158
Ion Ratio	Lower	Upper	
276	100		
138	13.5	0.0	0.0#
277	24.5	0.0	0.0#

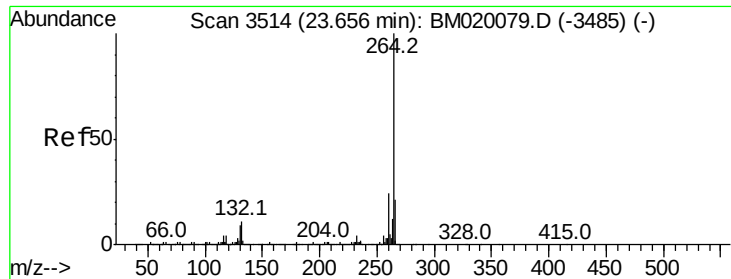
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.66 min Scan# 3515

Delta R.T. 0.01 min

Lab File: BM020208.D

Acq: 08 May 2019 23:13

Instrument :

BNA_M

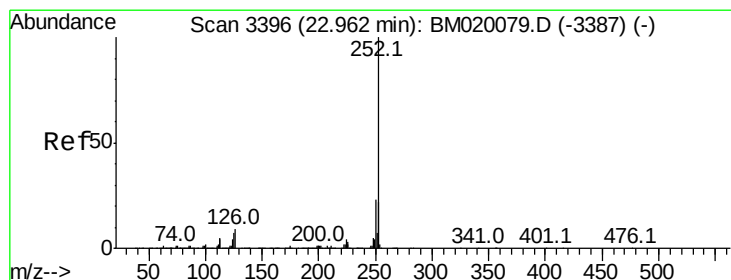
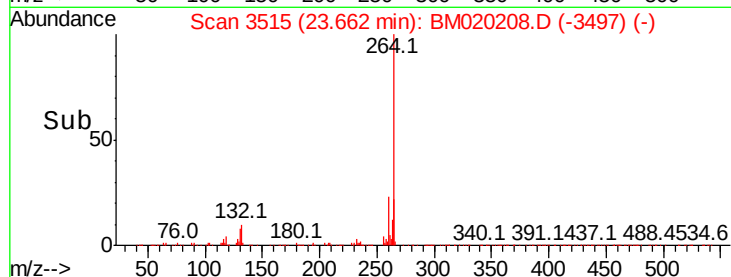
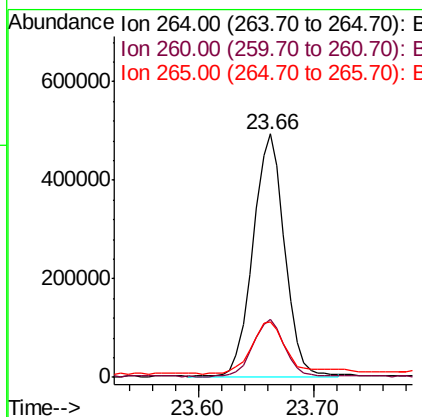
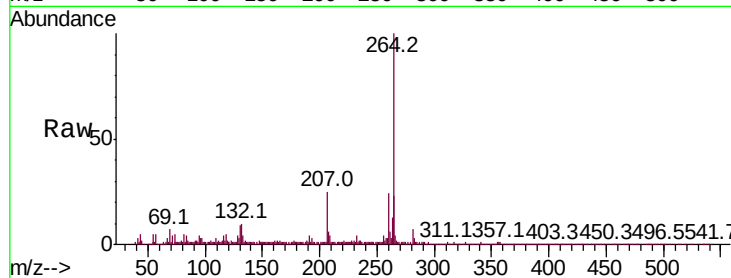
ClientSampleId :

OR-03-050719-B

Tot Ion:	264	Resp:	936836
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.2	28.8
265	22.8	16.9	25.3

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#88

Benzo(b)fluoranthene

Concen: 11.584 ng m

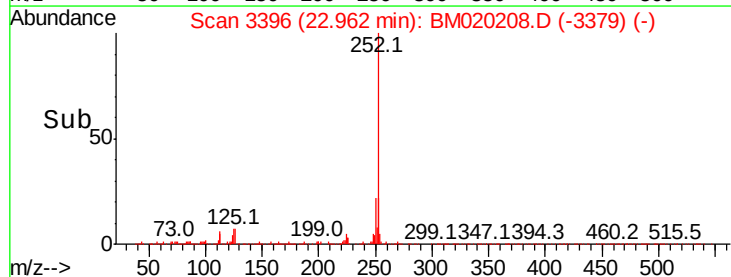
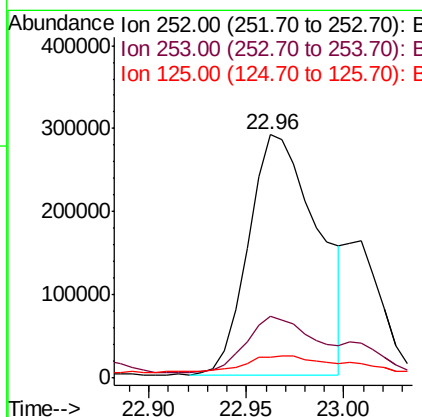
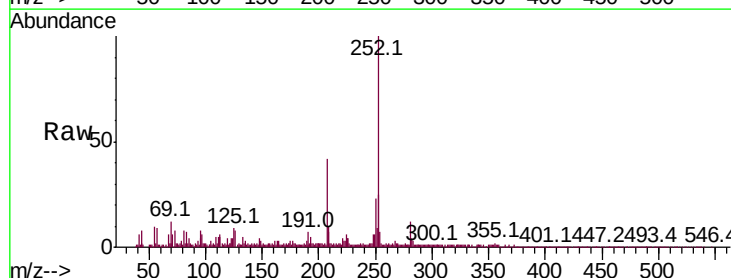
RT: 22.96 min Scan# 3396

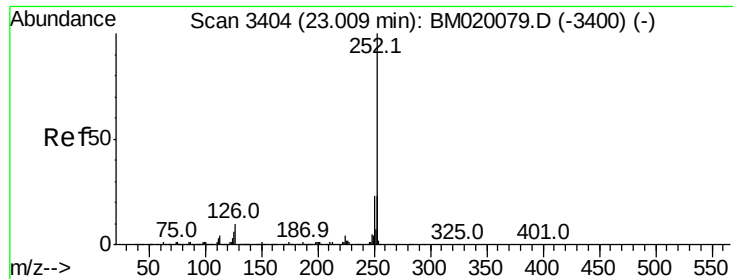
Delta R.T. -0.00 min

Lab File: BM020208.D

Acq: 08 May 2019 23:13

Tgt Ion:	252	Resp:	716610
Ion Ratio	Lower	Upper	
252	100		
253	25.4	17.5	26.3
125	8.8	5.4	8.2#





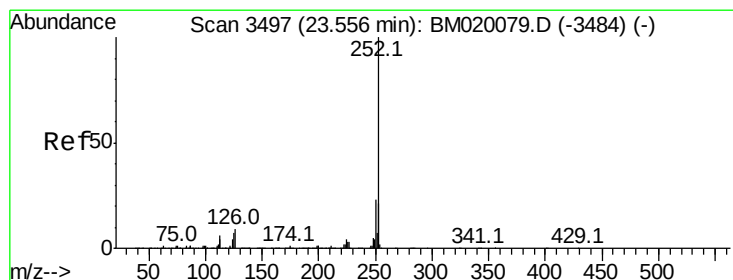
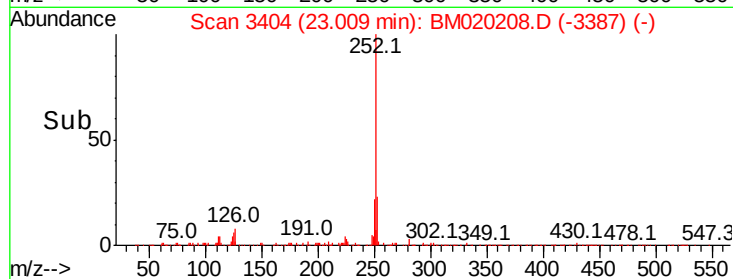
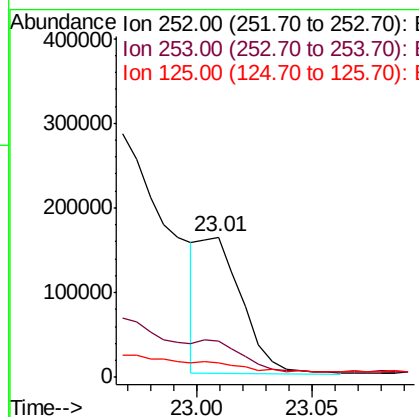
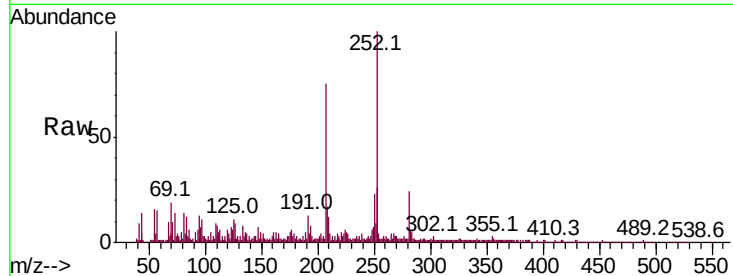
#89
Benzo(k)fluoranthene
Concen: 3.622 ng m
RT: 23.01 min Scan# 3404
Delta R.T. -0.00 min
Lab File: BM020208.D
Acq: 08 May 2019 23:13

Instrument :
BNA_M
ClientSampleId :
OR-03-050719-B

Tot Ion:	252	Resp:	204420
Ion Ratio	Lower	Upper	
252	100		
253	25.9	17.8	26.8
125	10.6	5.4	8.0#

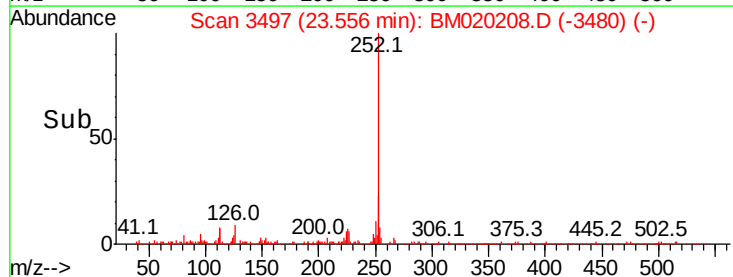
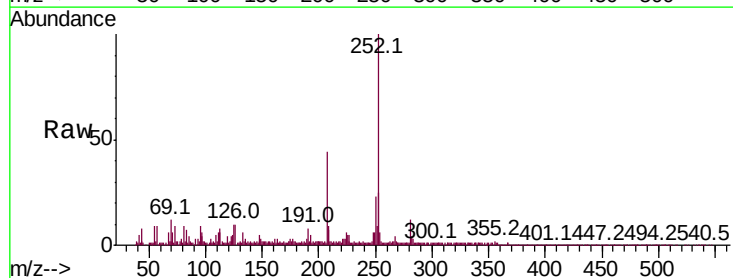
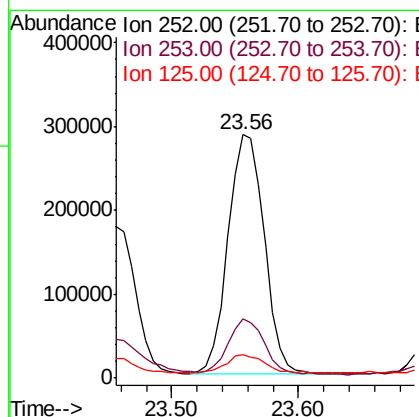
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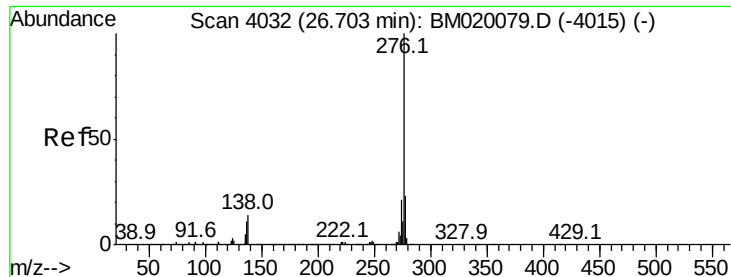
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#90
Benzo(a)pyrene
Concen: 10.063 ng
RT: 23.56 min Scan# 3497
Delta R.T. -0.00 min
Lab File: BM020208.D
Acq: 08 May 2019 23:13

Tgt Ion:	252	Resp:	565458
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.0	25.6
125	9.6	5.5	8.3#





#92

Benzo(a,h,i)perylene

Concen: 6.241 ng

RT: 26.71 min Scan# 4034

Delta R.T. 0.01 min

Lab File: BM020208.D

Acq: 08 May 2019 23:13

Instrument :
BNA_M

ClientSampleId :
OR-03-050719-B

Tot Ion:	276	Resp:	346244
Ion Ratio	Lower	Upper	
276	100		
277	24.4	18.4	27.6
138	15.0	11.1	16.7

Manual Integrations
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