

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052419\
 Data File : BM020564.D
 Acq On : 25 May 2019 05:08
 Operator : JU/SJ
 Sample : K2643-11 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OR-03-052319-B

Manual Integrations
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mohammad
 5/27/2019 4:00:34 AM

Quant Time: May 25 06:51:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM052419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 24 16:07:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	96900	20.00	ng	0.00
21) Naphthalene-d8	10.45	136	359109	20.00	ng	0.00
39) Acenaphthene-d10	14.32	164	252978	20.00	ng	0.00
64) Phenanthrene-d10	17.07	188	640407	20.00	ng	0.00
76) Chrysene-d12	21.26	240	509500	20.00	ng	-0.01
87) Perylene-d12	23.50	264	550504	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	240927	48.78	ng	0.00
7) Phenol-d6	6.84	99	340356	45.65	ng	0.00
23) Nitrobenzene-d5	8.83	82	225854	26.40	ng	0.00
42) 2,4,6-Tribromophenol	15.82	330	217910	42.99	ng	0.00
45) 2-Fluorobiphenyl	12.93	172	520152	25.80	ng	0.00
79) Terphenyl-d14	19.70	244	922736	32.74	ng	0.00
Target Compounds						
50) Dimethylphthalate	13.78	163	50462	2.252	ng	Qvalue 100
71) Phenanthrene	17.12	178	146167	4.201	ng	99
75) Fluoranthene	19.13	202	179402	3.708	ng	98
78) Pyrene	19.50	202	236454	7.392	ng	99
81) Benzo(a)anthracene	21.25	228	106428	3.018	ng	# 86
83) Chrysene	21.30	228	107768	3.163	ng	# 93
88) Benzo(b)fluoranthene	22.83	252	116310m	3.228	ng	
90) Benzo(a)pyrene	23.40	252	93769	2.828	ng	# 86
92) Benzo(g,h,i)perylene	26.47	276	70190	2.231	ng	# 91

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

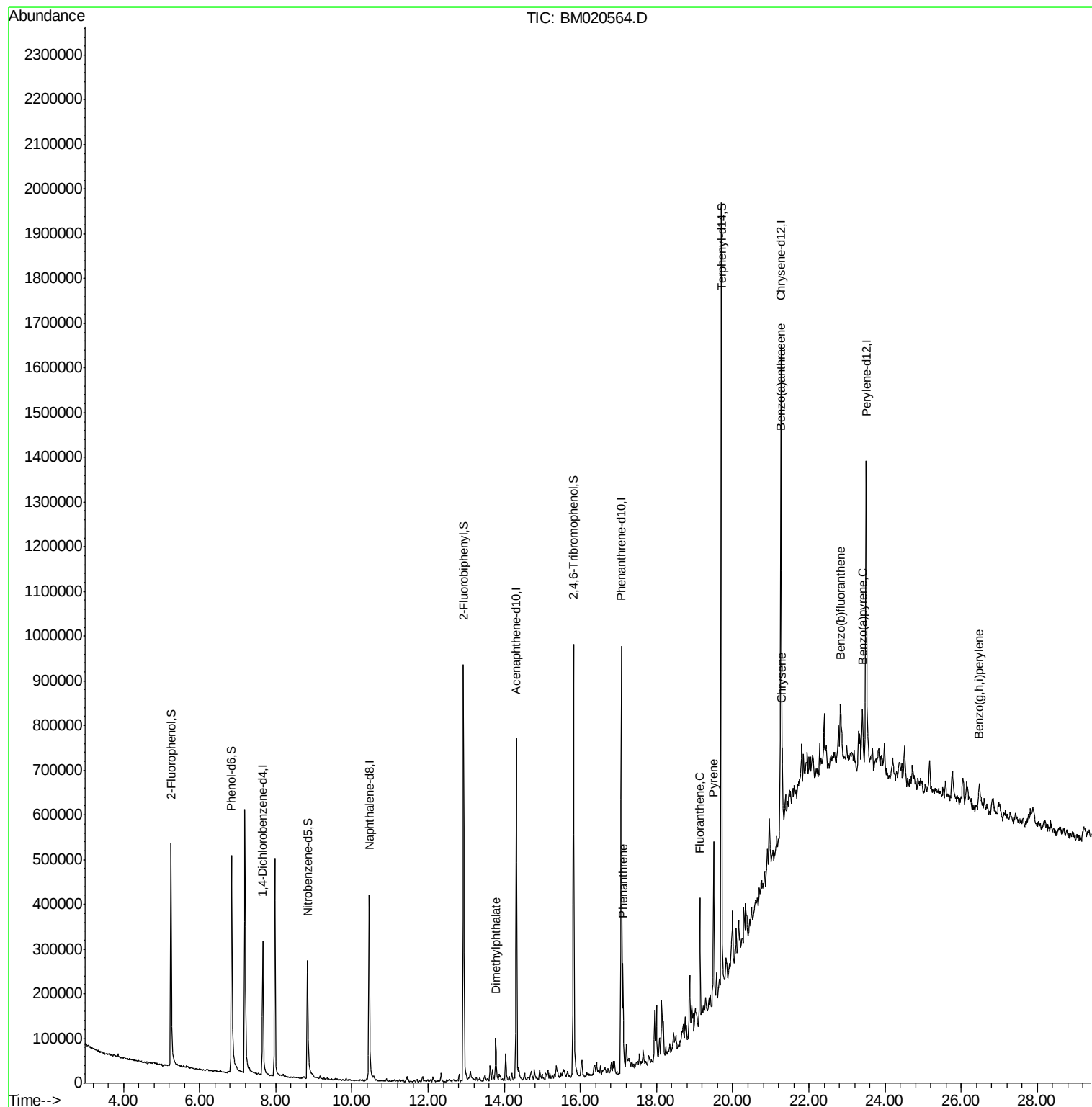
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052419\
Data File : BM020564.D
Acq On : 25 May 2019 05:08
Operator : JU/SJ
Sample : K2643-11 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

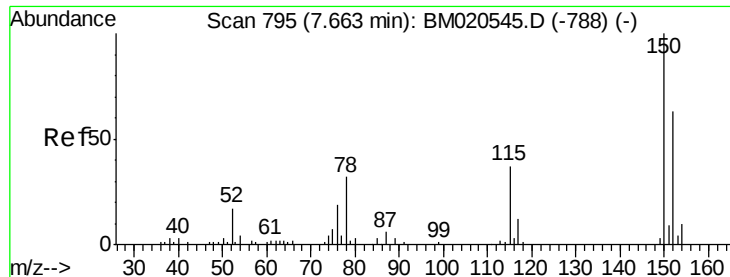
Instrument :
BNA_M
ClientSampleId :
OR-03-052319-B

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#1

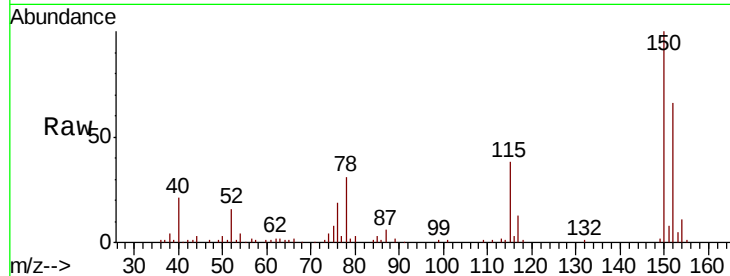
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.66 min Scan# 794
Delta R.T. -0.01 min
Lab File: BM020564.D
Acq: 25 May 2019 05:08

Instrument :
BNA_M
ClientSampleId :
OR-03-052319-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.7	126.6	190.0
115	57.3	46.6	70.0

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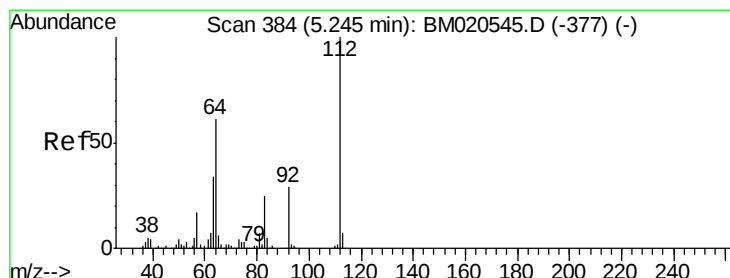
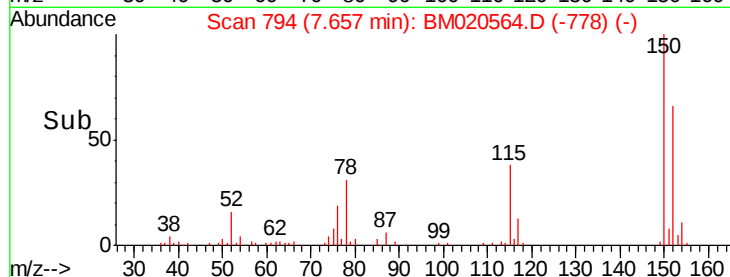
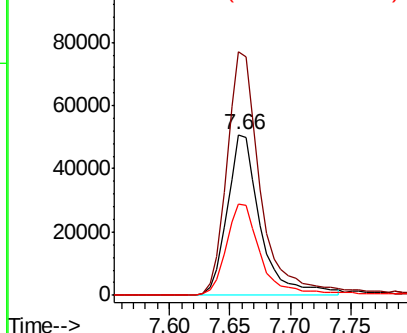


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

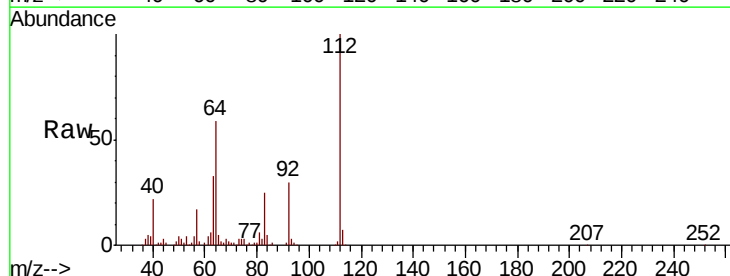
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 48.778 ng
RT: 5.25 min Scan# 384
Delta R.T. 0.00 min
Lab File: BM020564.D
Acq: 25 May 2019 05:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	48.6	73.0
63	33.0	27.4	41.0

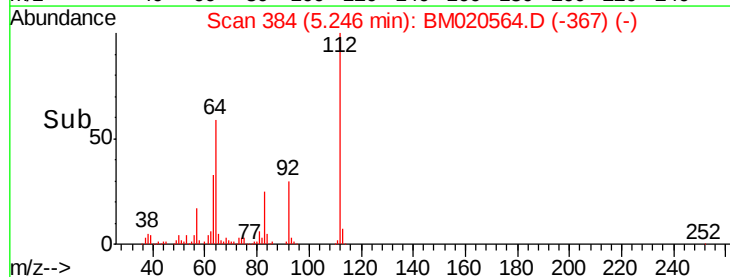
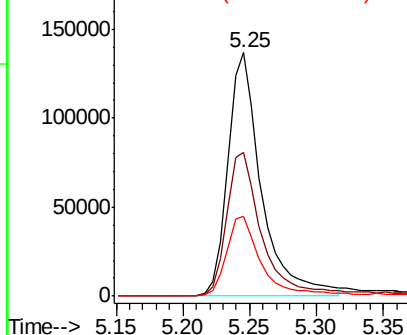


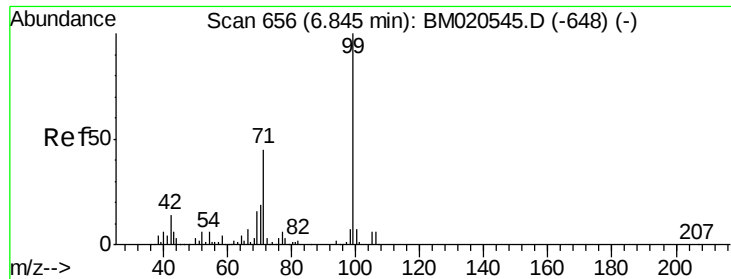
Abundance

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: 45.654 ng

RT: 6.84 min Scan# 655

Delta R.T. -0.01 min

Lab File: BM020564.D

Acq: 25 May 2019 05:08

Instrument :

BNA_M

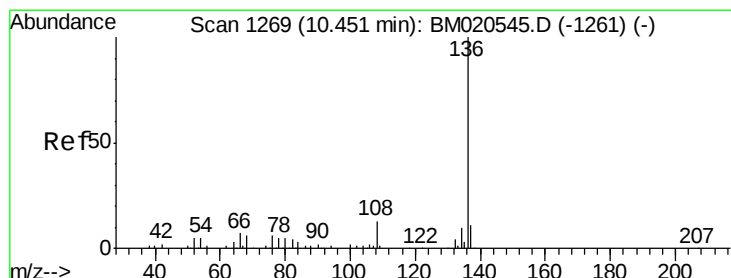
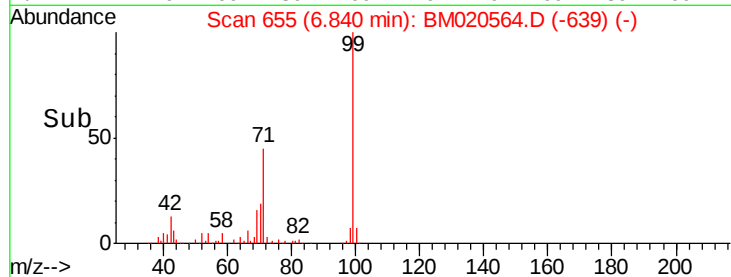
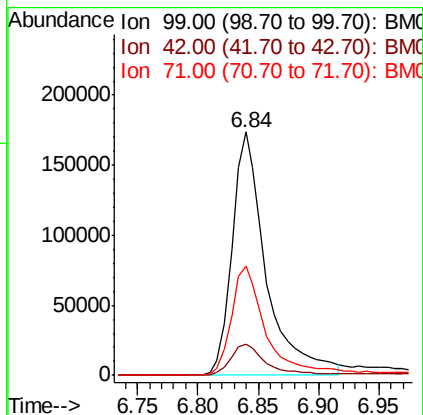
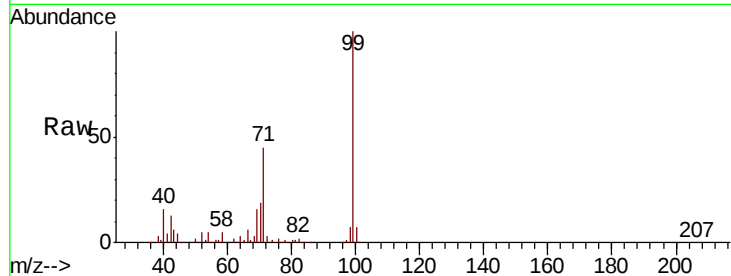
ClientSampleId :

OR-03-052319-B

Tot Ion	Ratio	Resp	Lower	Upper
99	100	340356		
42	13.0		10.8	16.2
71	44.7		36.3	54.5

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#21

Naphthalene-d8

Concen: 20.000 ng

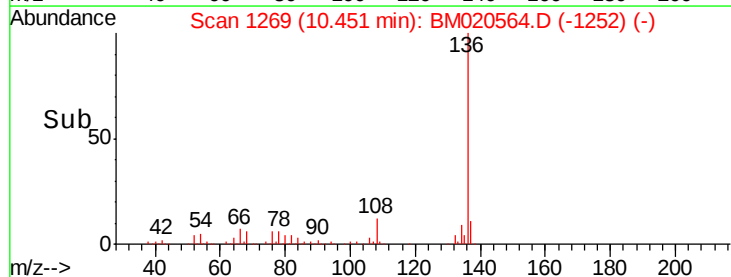
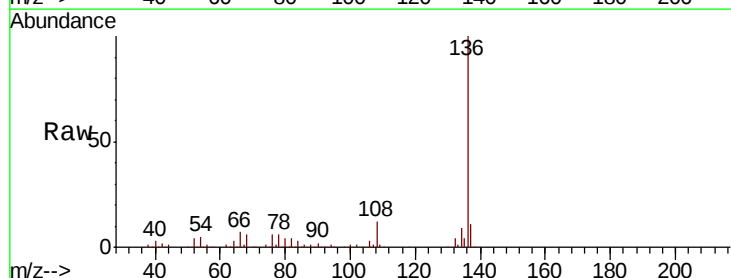
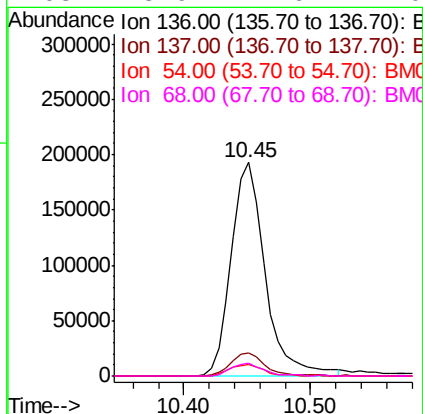
RT: 10.45 min Scan# 1269

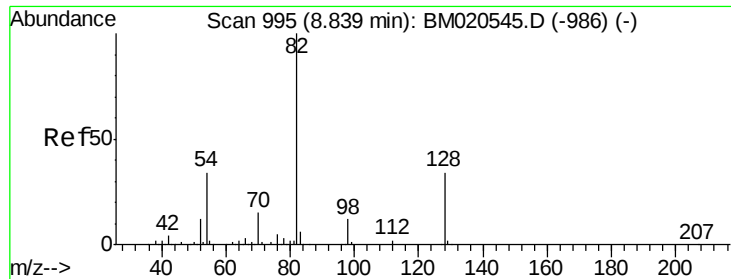
Delta R.T. 0.00 min

Lab File: BM020564.D

Acq: 25 May 2019 05:08

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	359109		
137	10.8		8.4	12.6
54	5.2		4.2	6.4
68	5.9		4.6	7.0





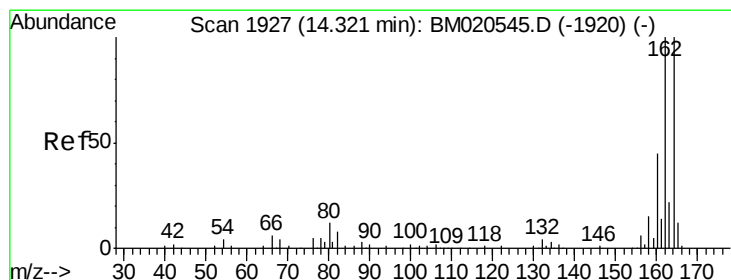
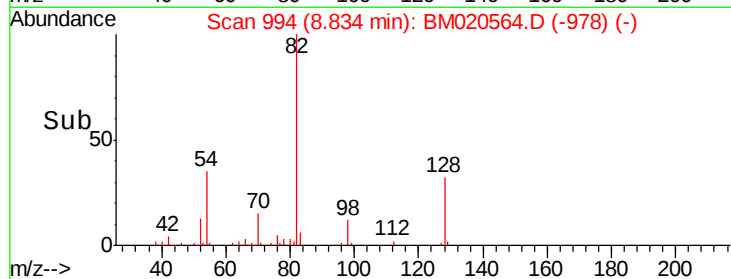
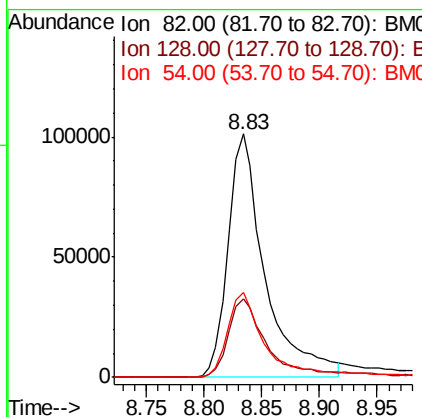
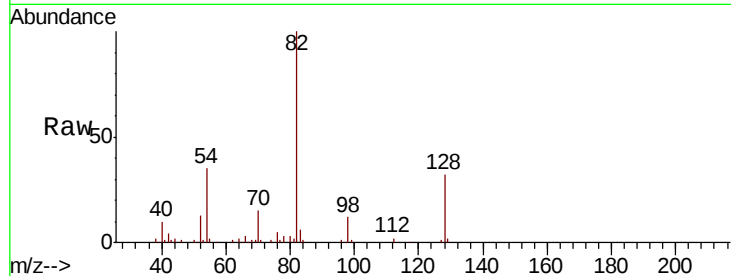
#23
Nitrobenzene-d5
Concen: 26.398 ng
RT: 8.83 min Scan# 994
Delta R.T. -0.01 min
Lab File: BM020564.D
Acq: 25 May 2019 05:08

Instrument :
BNA_M
ClientSampled :
OR-03-052319-B

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	32.1	27.0	40.4	
54	35.1	27.4	41.2	

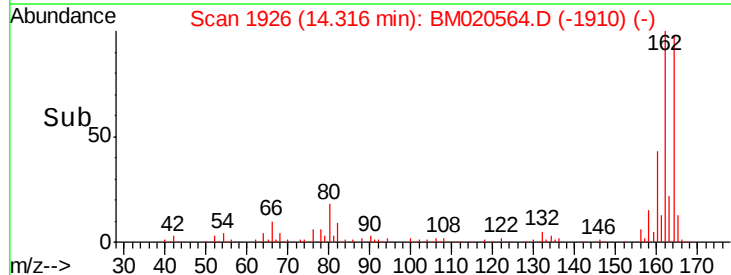
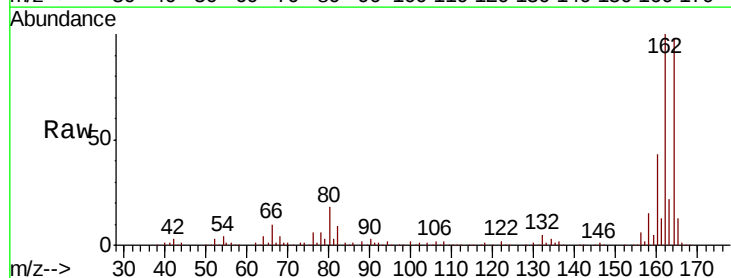
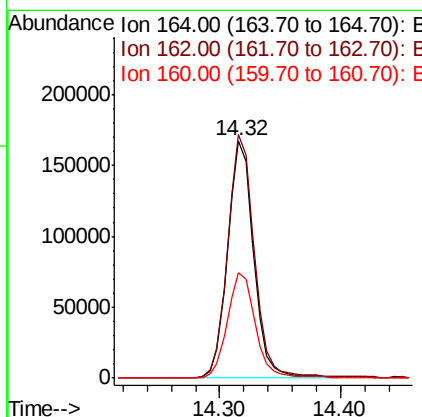
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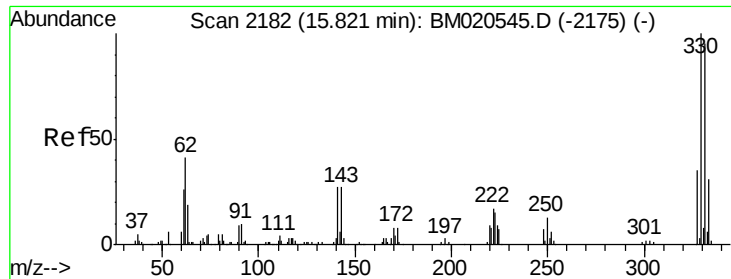
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.32 min Scan# 1926
Delta R.T. -0.01 min
Lab File: BM020564.D
Acq: 25 May 2019 05:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.6	79.8	119.8	
160	44.4	35.9	53.9	





#42

2,4,6-Tribromophenol

Concen: 42.994 ng

RT: 15.82 min Scan# 2181

Delta R.T. -0.01 min

Lab File: BM020564.D

Acq: 25 May 2019 05:08

Instrument :

BNA_M

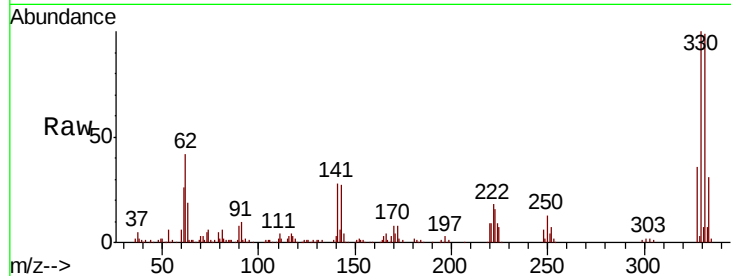
ClientSampleId :

OR-03-052319-B

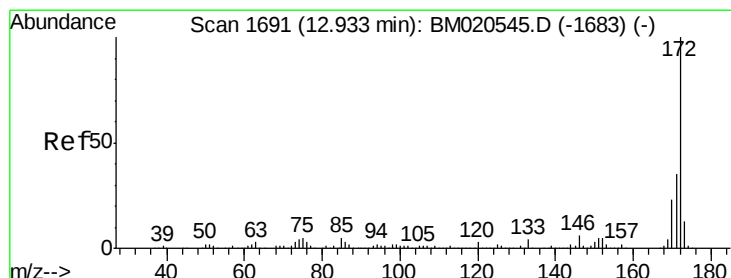
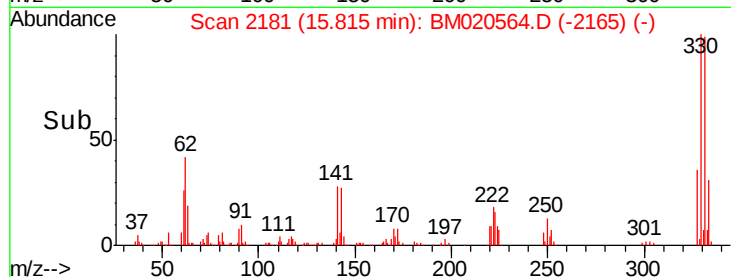
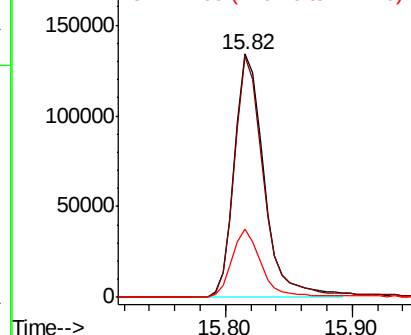
Tot Ion:	330	Resp:	217910
Ion Ratio	Lower	Upper	
330	100		
332	97.3	77.5	116.3
141	28.3	21.7	32.5

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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: 25.800 ng

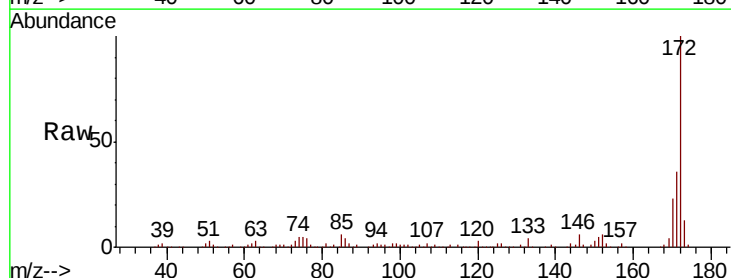
RT: 12.93 min Scan# 1690

Delta R.T. -0.01 min

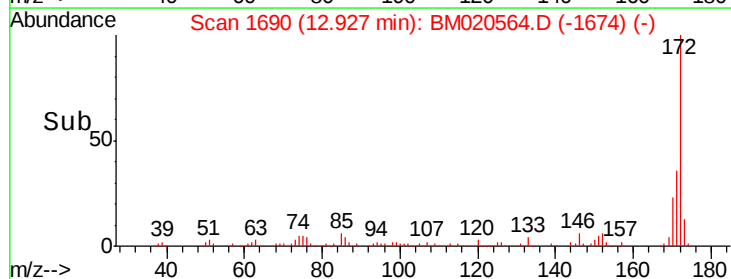
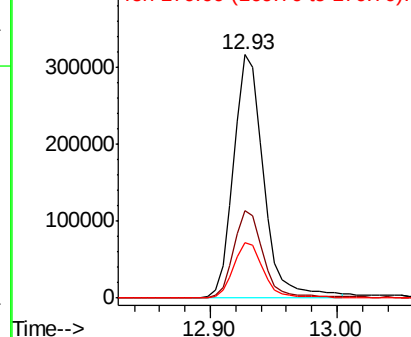
Lab File: BM020564.D

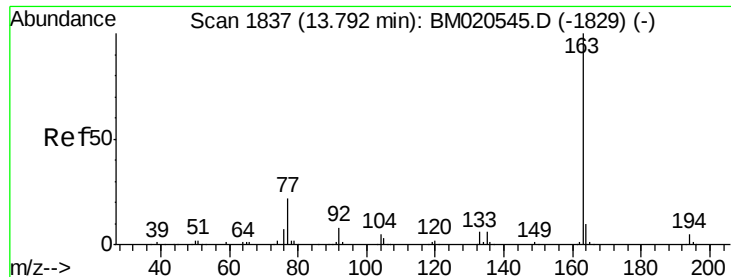
Acq: 25 May 2019 05:08

Tgt Ion:	172	Resp:	520152
Ion Ratio	Lower	Upper	
172	100		
171	36.1	27.9	41.9
170	22.9	18.2	27.4



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





#50

Dimethylphthalate

Concen: 2.252 ng

RT: 13.78 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BM020564.D

Acq: 25 May 2019 05:08

Instrument :

BNA_M

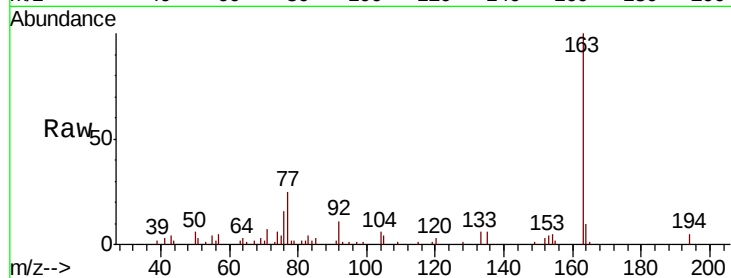
ClientSampleId :

OR-03-052319-B

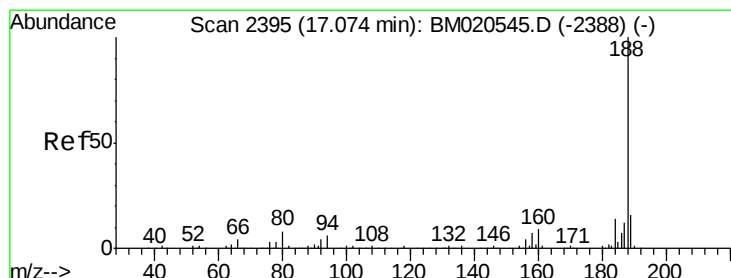
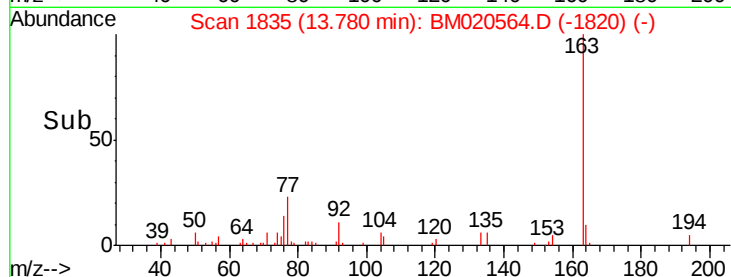
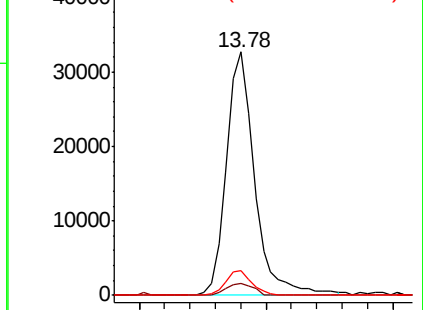
Tot Ion:	163	Resp:	50462
Ion Ratio	Lower	Upper	
163	100		
194	5.1	3.9	5.9
164	10.1	8.0	12.0

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

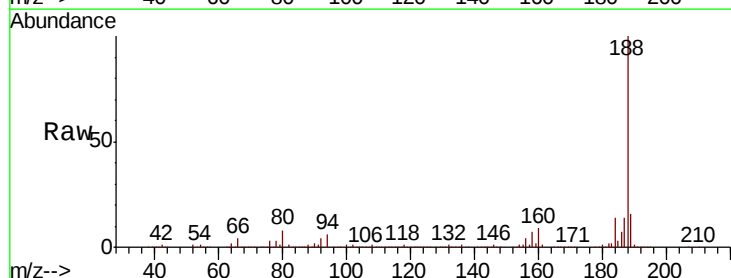
RT: 17.07 min Scan# 2395

Delta R.T. 0.00 min

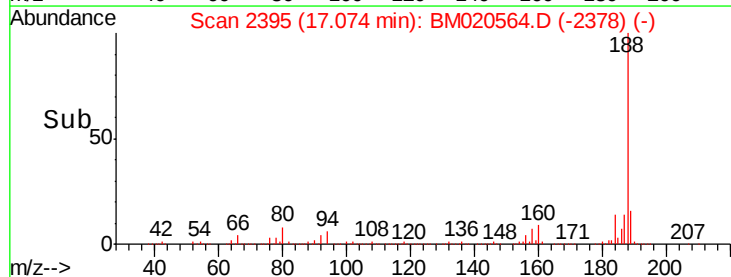
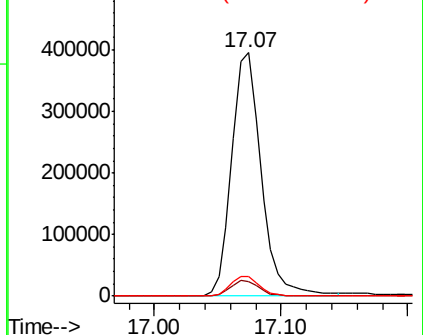
Lab File: BM020564.D

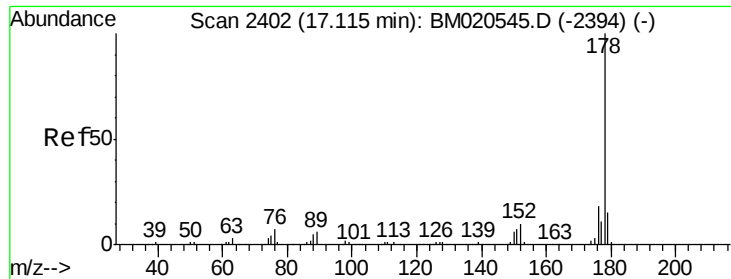
Acq: 25 May 2019 05:08

Tgt Ion:	188	Resp:	640407
Ion Ratio	Lower	Upper	
188	100		
94	5.9	5.0	7.4
80	7.9	6.5	9.7



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM0
Ion 80.00 (79.70 to 80.70): BM0





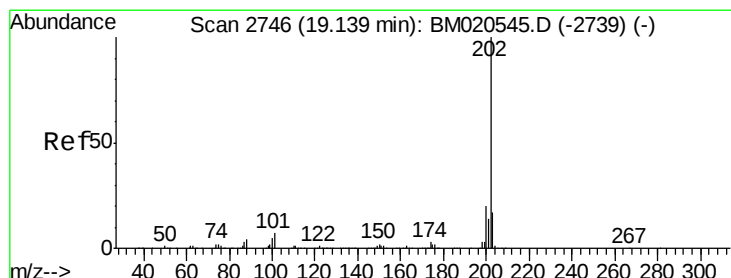
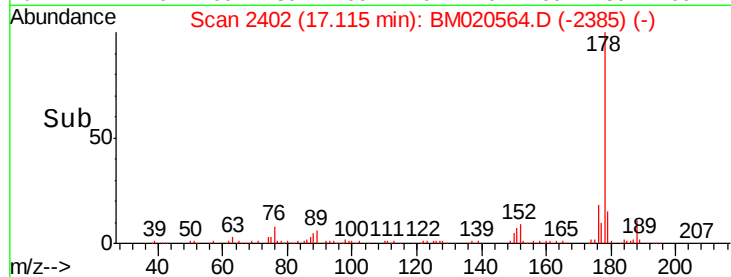
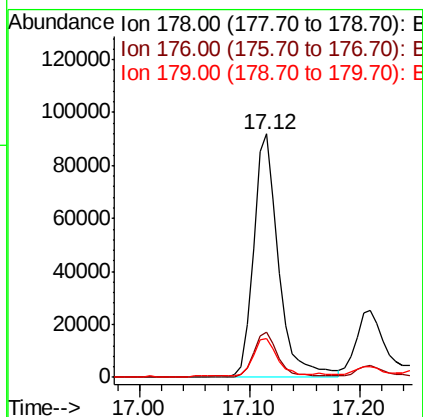
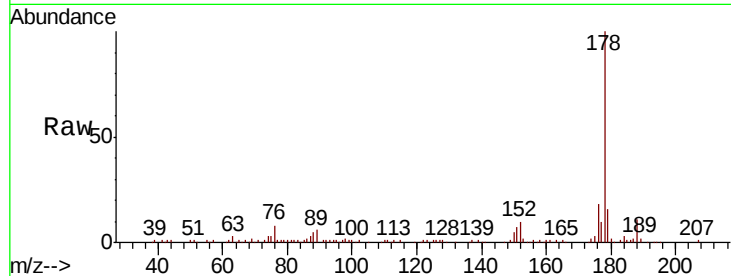
#71
Phenanthrene
Concen: 4.201 ng
RT: 17.12 min Scan# 2402
Delta R.T. 0.00 min
Lab File: BM020564.D
Acq: 25 May 2019 05:08

Instrument :
BNA_M
ClientSampleId :
OR-03-052319-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.8	12.2	18.2

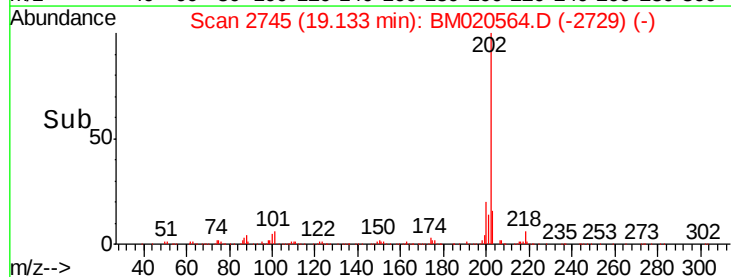
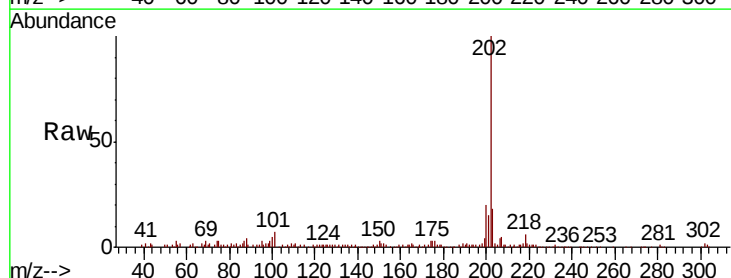
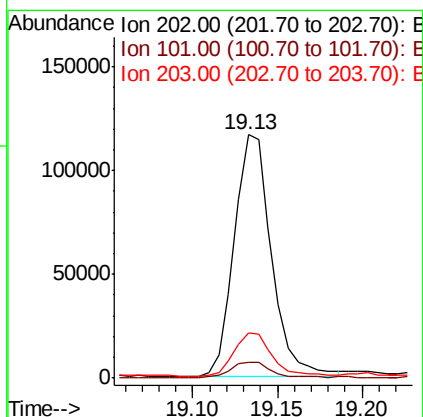
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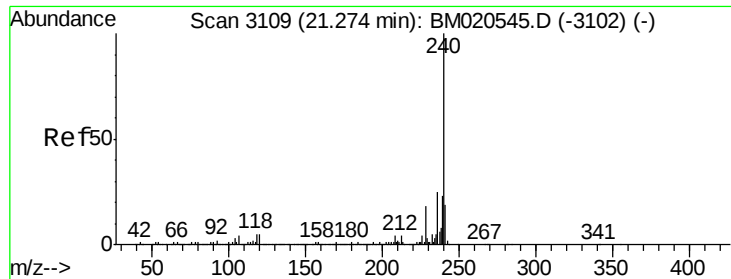
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#75
Fluoranthene
Concen: 3.708 ng
RT: 19.13 min Scan# 2745
Delta R.T. -0.01 min
Lab File: BM020564.D
Acq: 25 May 2019 05:08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.6	0.0	26.7
203	18.5	0.0	37.4





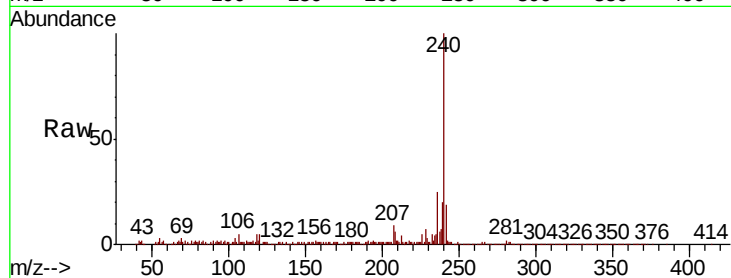
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.26 min Scan# 3107
Delta R.T. -0.01 min
Lab File: BM020564.D
Acq: 25 May 2019 05:08

Instrument :
BNA_M
ClientSampleId :
OR-03-052319-B

Tot Ion	Ratio	Lower	Upper
240	100		
120	5.4	4.1	6.1
236	25.4	20.2	30.4

Manual Integrations
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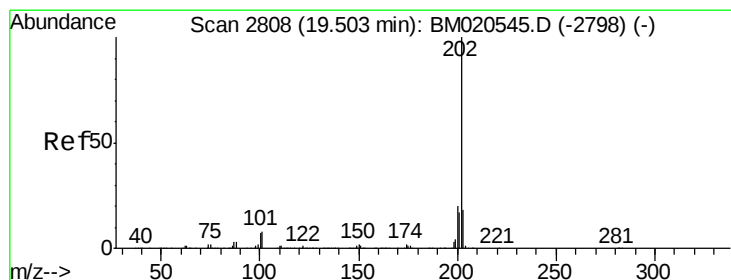
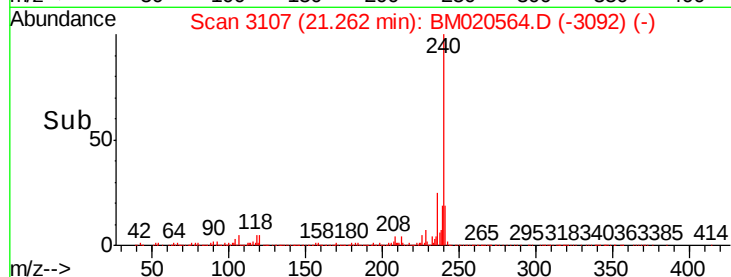
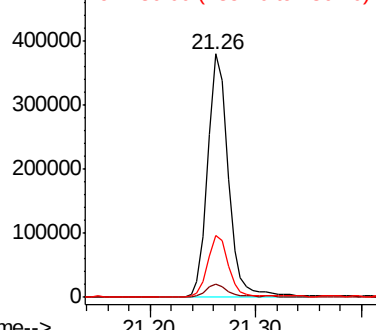


Abundance

Ion 240.00 (239.70 to 240.70): E

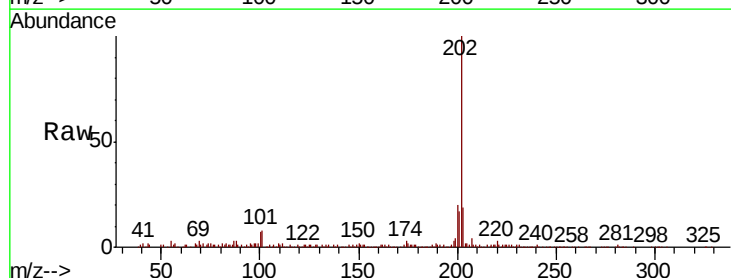
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 7.392 ng
RT: 19.50 min Scan# 2807
Delta R.T. -0.01 min
Lab File: BM020564.D
Acq: 25 May 2019 05:08

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.0	24.0
203	18.9	14.1	21.1

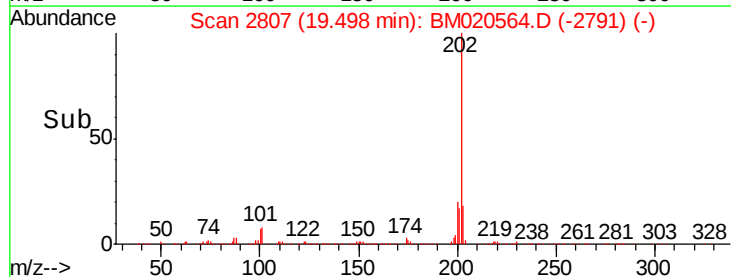
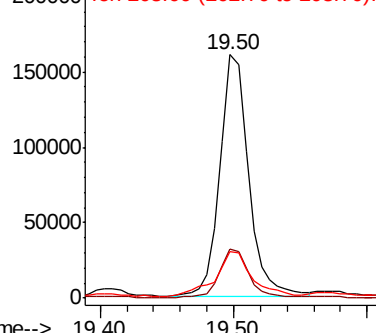


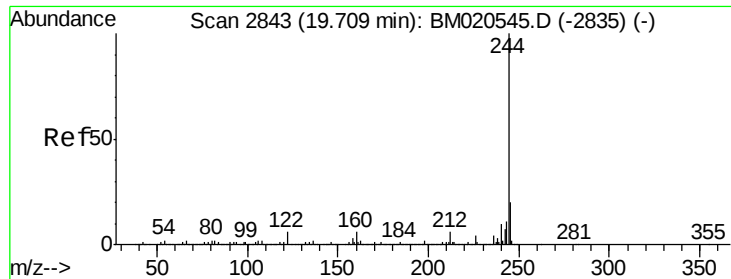
Abundance

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: 32.740 ng

RT: 19.70 min Scan# 2842

Delta R.T. -0.01 min

Lab File: BM020564.D

Acq: 25 May 2019 05:08

Instrument :

BNA_M

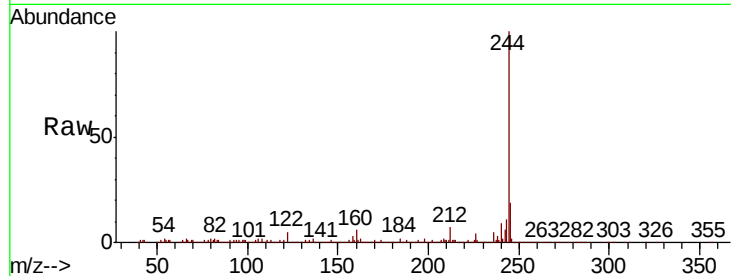
ClientSampleId :

OR-03-052319-B

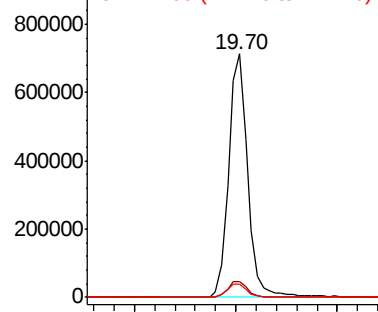
Tot Ion:	244	Resp:	922736
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.0	7.6
122	5.3	4.6	7.0

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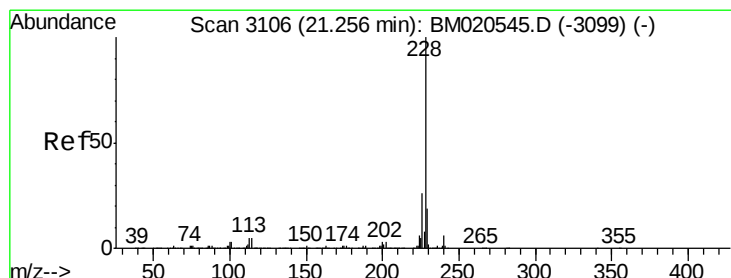
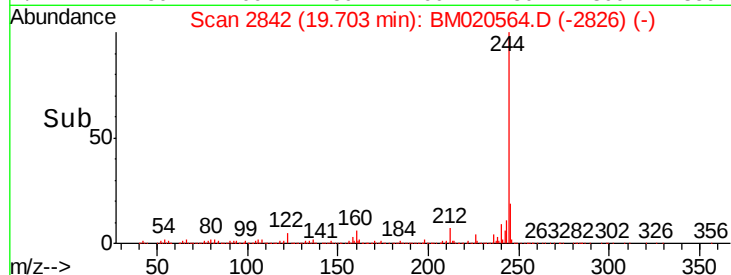
mohammad
5/27/2019 4:00:34 AM



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-->



#81

Benzo(a)anthracene

Concen: 3.018 ng

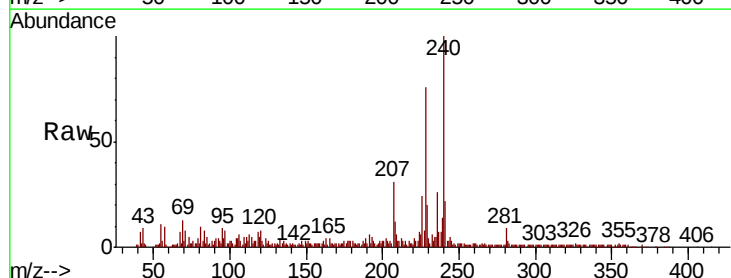
RT: 21.25 min Scan# 3105

Delta R.T. -0.01 min

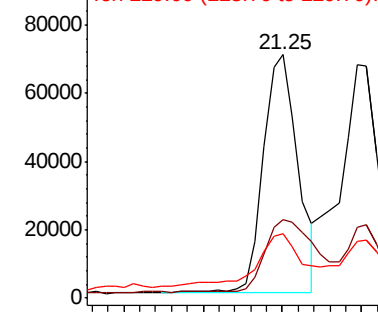
Lab File: BM020564.D

Acq: 25 May 2019 05:08

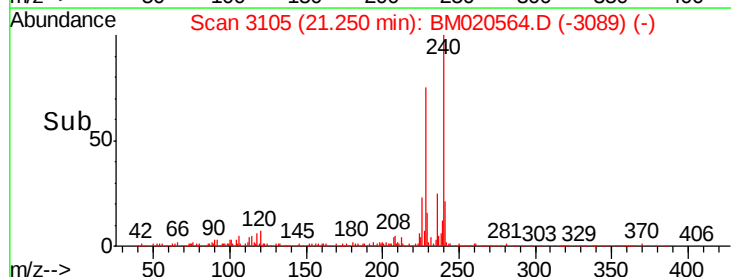
Tgt Ion:	228	Resp:	106428
Ion Ratio	Lower	Upper	
228	100		
226	32.2	20.7	31.1#
229	26.2	15.5	23.3#

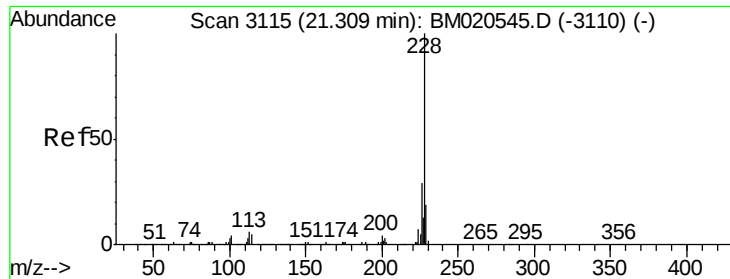


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->





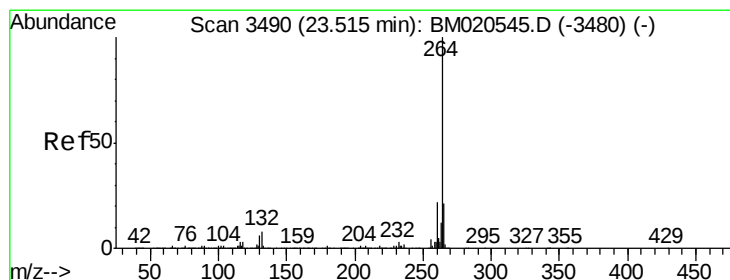
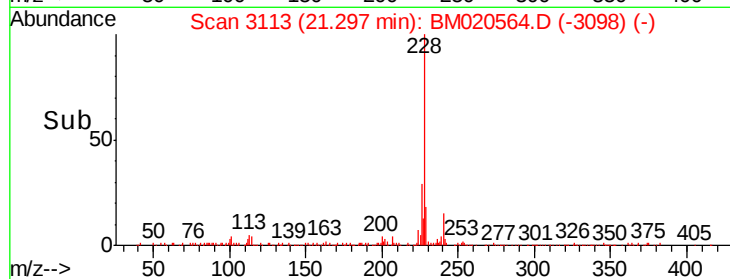
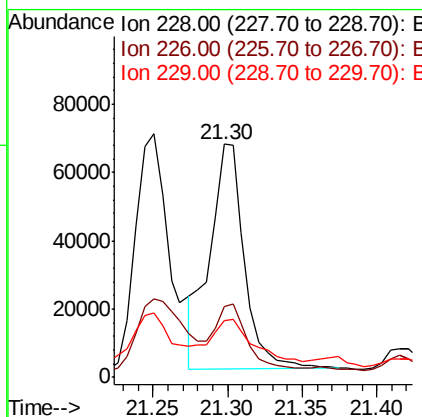
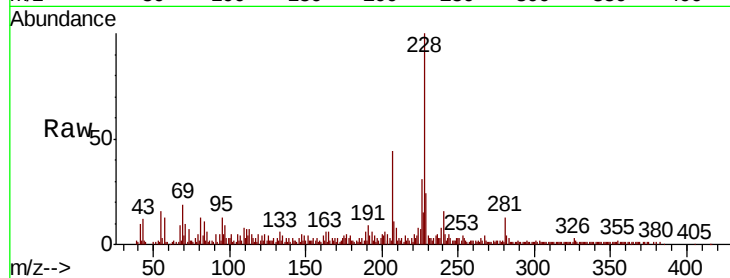
#83
 Chrysene
 Concen: 3.163 ng
 RT: 21.30 min Scan# 3113
 Delta R.T. -0.01 min
 Lab File: BM020564.D
 Acq: 25 May 2019 05:08

Instrument :
 BNA_M
 ClientSampleId :
 OR-03-052319-B

Tot Ion:	228	Resp:	107768
Ion Ratio	Lower	Upper	
228	100		
226	30.6	22.9	34.3
229	24.5	15.4	23.2

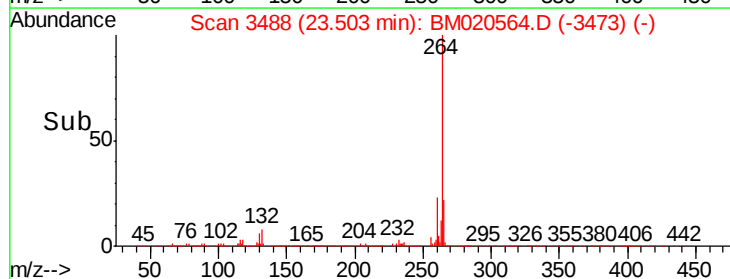
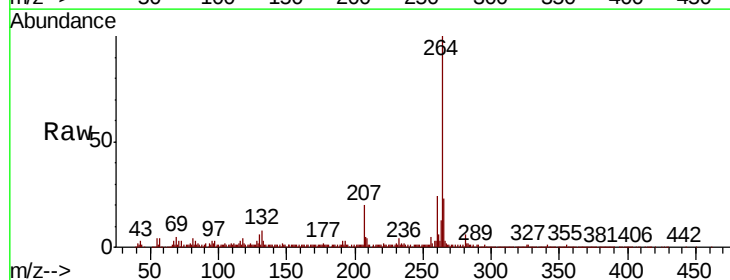
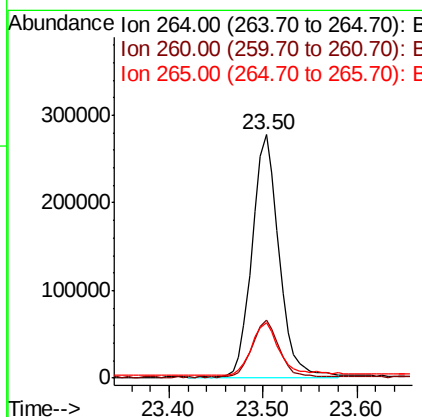
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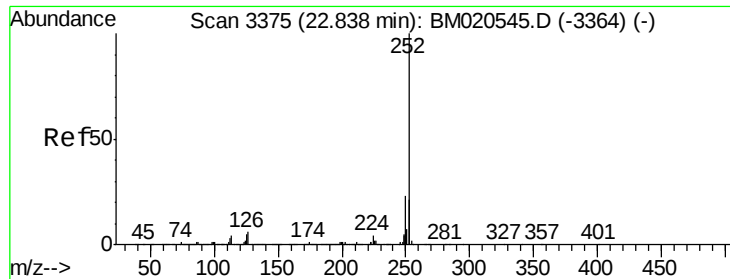
mohammad
 5/27/2019 4:00:34 AM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.50 min Scan# 3488
 Delta R.T. -0.01 min
 Lab File: BM020564.D
 Acq: 25 May 2019 05:08

Tgt Ion:	264	Resp:	550504
Ion Ratio	Lower	Upper	
264	100		
260	23.6	17.7	26.5
265	22.6	17.4	26.2





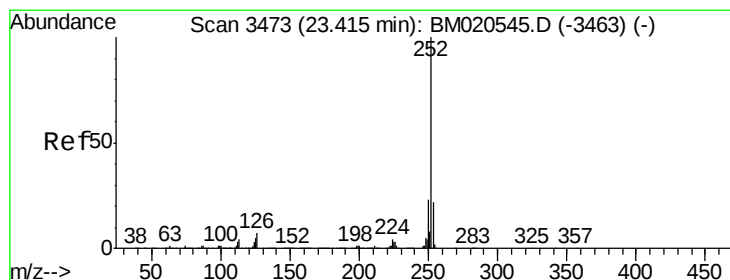
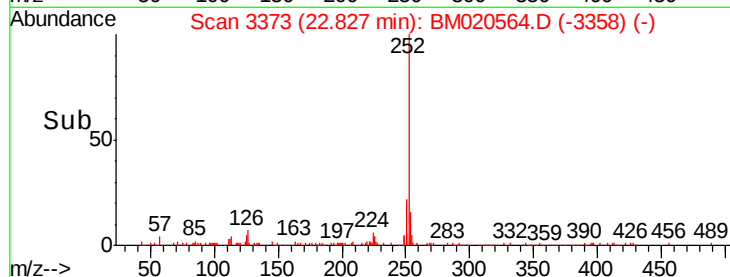
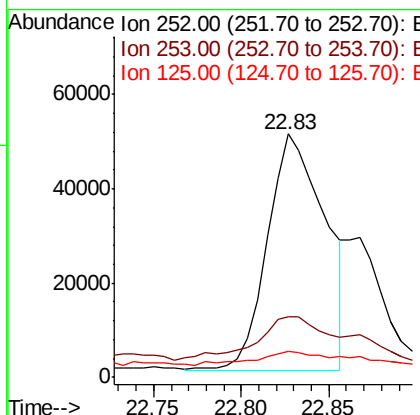
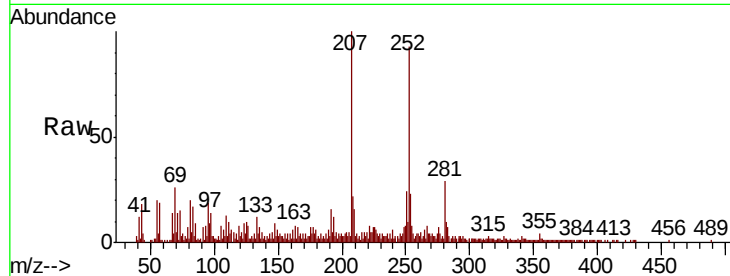
#88
Benzo(b)fluoranthene
Concen: 3.228 ng m
RT: 22.83 min Scan# 3373
Delta R.T. -0.01 min
Lab File: BM020564.D
Acq: 25 May 2019 05:08

Instrument :
BNA_M
ClientSampleId :
OR-03-052319-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.1	25.7
125	10.9	3.8	5.8

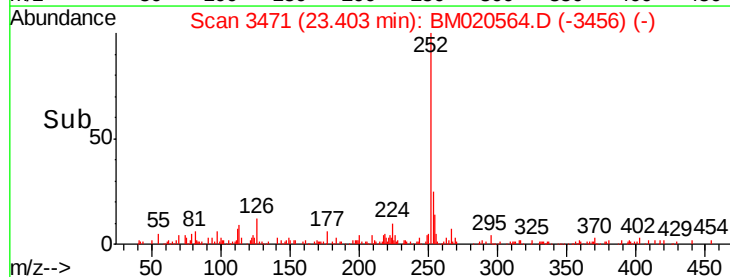
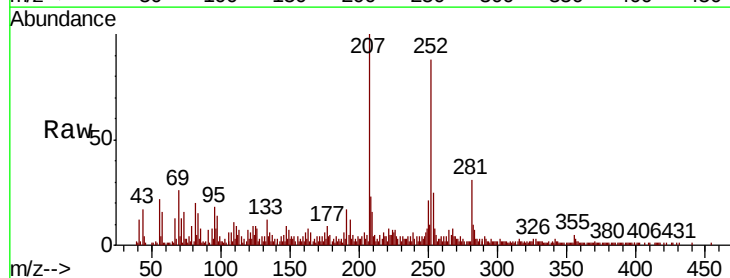
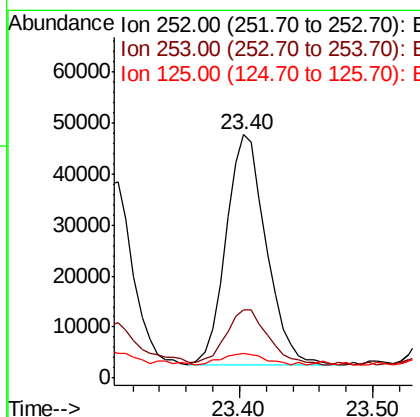
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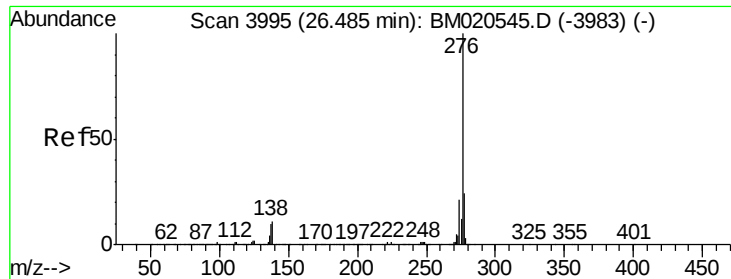
mohammad
5/27/2019 4:00:34 AM



#90
Benzo(a)pyrene
Concen: 2.828 ng
RT: 23.40 min Scan# 3471
Delta R.T. -0.01 min
Lab File: BM020564.D
Acq: 25 May 2019 05:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.2	17.4	26.2
125	10.3	4.2	6.4





#92
 Benzo(a,h,i)perylene
 Concen: 2.231 ng
 RT: 26.47 min Scan# 3992
 Delta R.T. -0.02 min
 Lab File: BM020564.D
 Acq: 25 May 2019 05:08

Instrument :
 BNA_M
 ClientSampleId :
 OR-03-052319-B

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.7	19.1	28.7
138	13.7	8.6	12.8

Manual Integrations
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mohammad
 5/27/2019 4:00:34 AM

