

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082119\
 Data File : BM022238.D
 Acq On : 21 Aug 2019 20:39
 Operator : HP/JU
 Sample : K4086-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 NB-08-082019

Manual Integrations
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Quant Time: Aug 22 04:12:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 20 02:18:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	19591	20.00	ng	-0.01
21) Naphthalene-d8	10.34	136	70232	20.00	ng	0.00
39) Acenaphthene-d10	14.22	164	44455	20.00	ng	0.00
64) Phenanthrene-d10	16.99	188	95107	20.00	ng	0.00
76) Chrysene-d12	21.19	240	114848	20.00	ng	0.00
87) Perylene-d12	23.39	264	135286	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	99472	90.48	ng	0.00
7) Phenol-d6	6.76	99	130461	89.11	ng	0.00
23) Nitrobenzene-d5	8.73	82	93322	64.63	ng	-0.01
42) 2,4,6-Tribromophenol	15.73	330	61986	86.15	ng	0.00
45) 2-Fluorobiphenyl	12.83	172	222007	62.37	ng	-0.01
79) Terphenyl-d14	19.63	244	399312	50.66	ng	0.00
Target Compounds						
49) Acenaphthylene	13.95	152	11546	2.616	ng	Qvalue 97
50) Dimethylphthalate	13.70	163	34056	9.112	ng	99
71) Phenanthrene	17.03	178	32422	5.879	ng	98
72) Anthracene	17.12	178	17610	3.216	ng	98
75) Fluoranthene	19.06	202	133263	20.037	ng	99
78) Pyrene	19.42	202	118608	14.672	ng	99
81) Benzo(a)anthracene	21.17	228	86504	10.710	ng	95
83) Chrysene	21.23	228	94879	12.169	ng	95
86) Indeno(1,2,3-cd)pyrene	25.59	276	78360	8.972	ng	# 94
88) Benzo(b)fluoranthene	22.74	252	155619m	17.227	ng	
89) Benzo(k)fluoranthene	22.77	252	53159m	6.020	ng	
90) Benzo(a)pyrene	23.30	252	99413	12.084	ng	95
91) Dibenzo(a,h)anthracene	25.59	278	22186	2.538	ng	# 68
92) Benzo(a,h,i)perylene	26.27	276	81224	10.628	ng	96

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

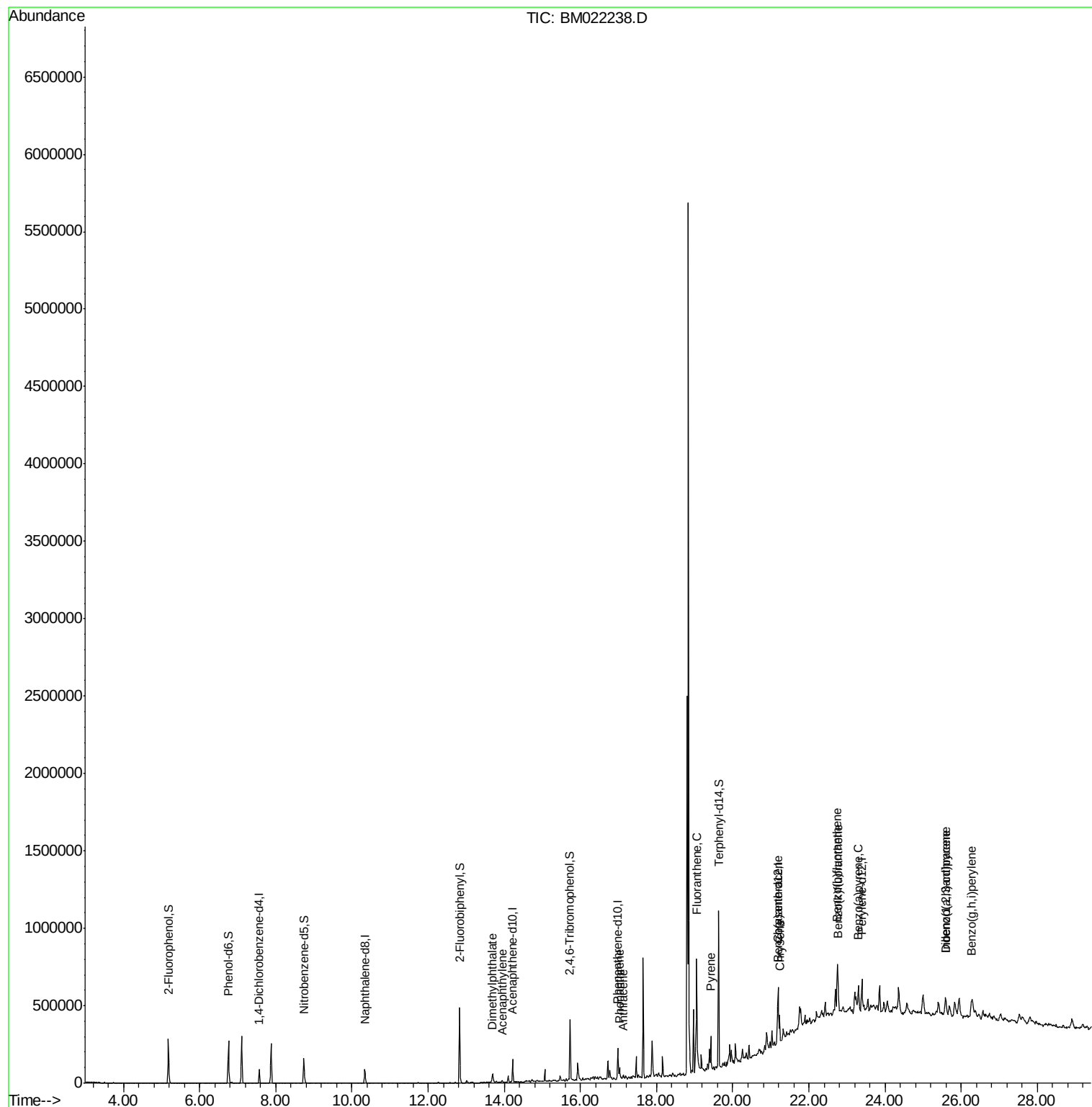
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082119\
Data File : BM022238.D
Acq On : 21 Aug 2019 20:39
Operator : HP/JU
Sample : K4086-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

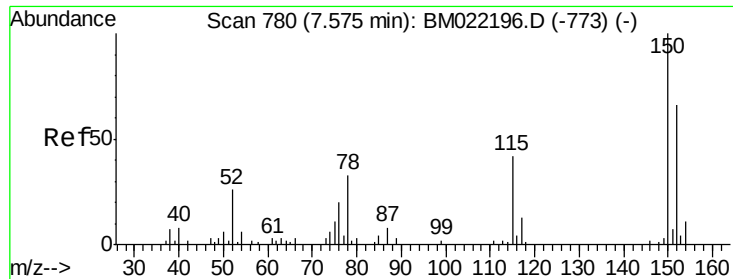
Instrument :
BNA_M
ClientSampleId :
NB-08-082019

Quant Time: Aug 22 04:12:12 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 20 02:18:05 2019
Response via : Initial Calibration

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#1

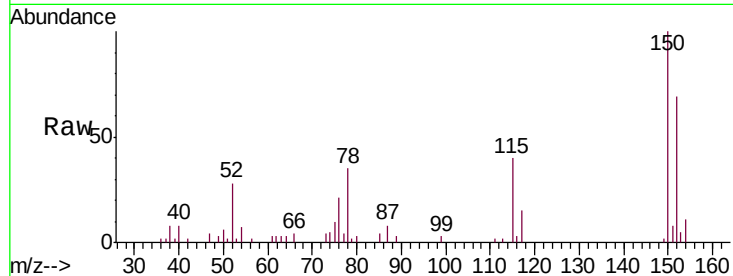
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.56 min Scan# 778
Delta R.T. -0.01 min
Lab File: BM022238.D
Acq: 21 Aug 2019 20:39

Instrument :
BNA_M
ClientSampleId :
NB-08-082019

Tot Ion	Ratio	Lower	Upper
152	100		
150	144.5	123.1	184.7
115	57.1	44.2	66.4

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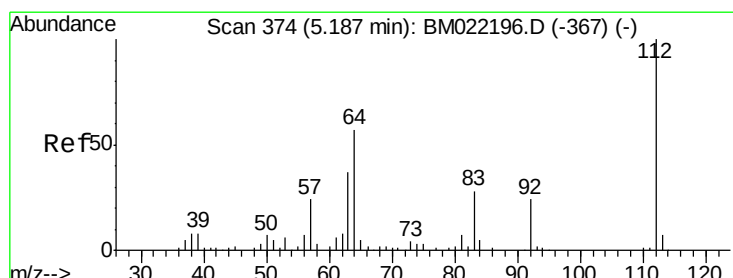
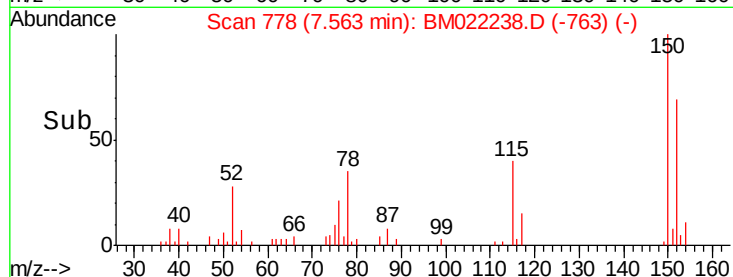
Abundance

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

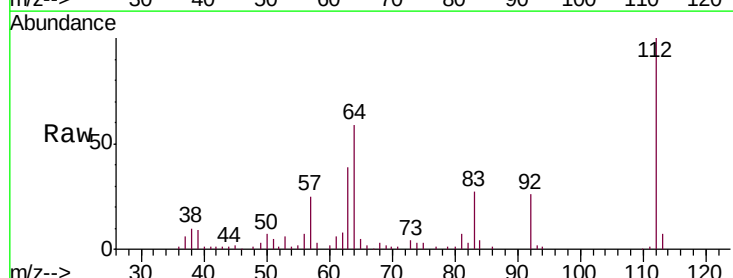
Time-->



#5

2-Fluorophenol
Concen: 90.479 ng
RT: 5.18 min Scan# 373
Delta R.T. -0.01 min
Lab File: BM022238.D
Acq: 21 Aug 2019 20:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	45.2	67.8
63	39.4	23.5	35.3



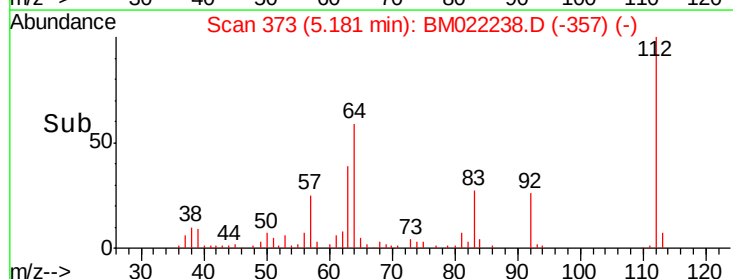
Abundance

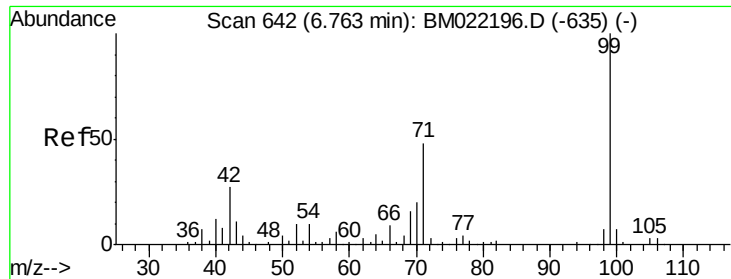
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0

Time-->





#7

Phenol-d6

Concen: 89.110 ng

RT: 6.76 min Scan# 641

Delta R.T. -0.01 min

Lab File: BM022238.D

Acq: 21 Aug 2019 20:39

Instrument :

BNA_M

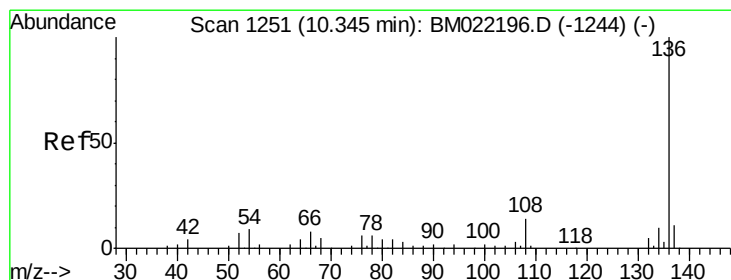
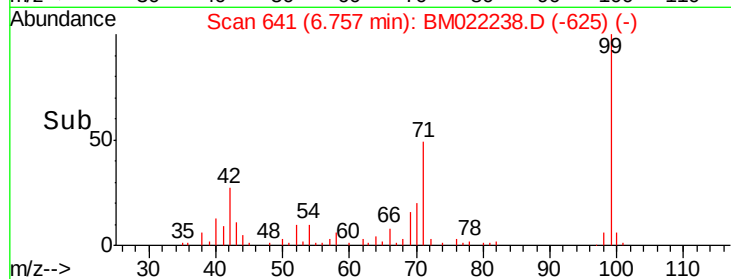
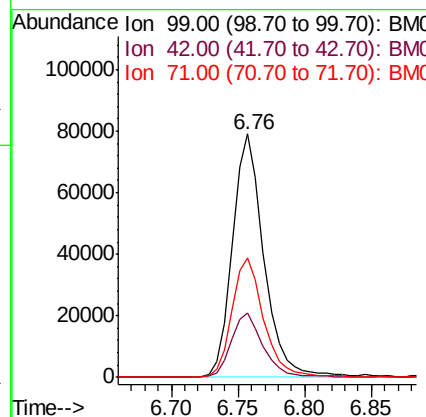
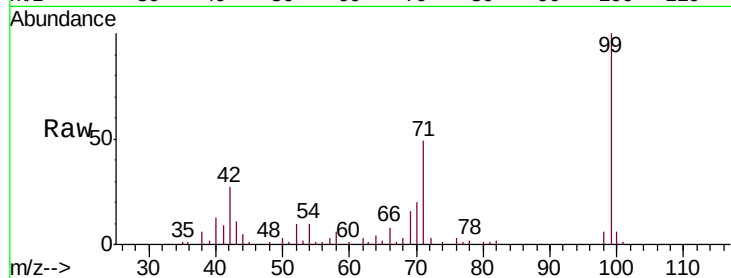
ClientSampled :

NB-08-082019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		130461		
42	26.7	13.5	20.3#		
71	49.1	29.3	43.9#		

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#21

Naphthalene-d8

Concen: 20.000 ng

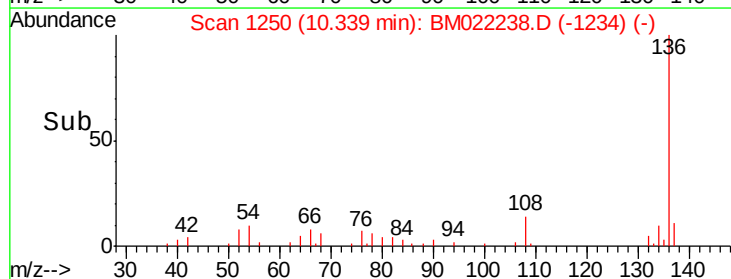
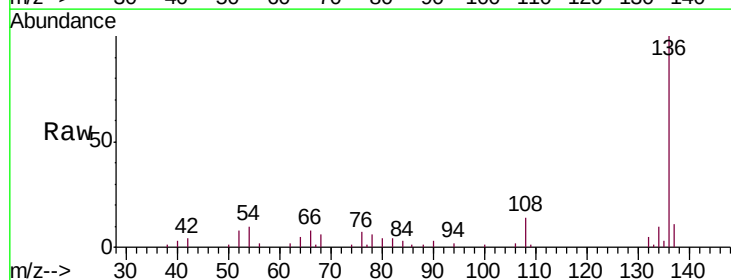
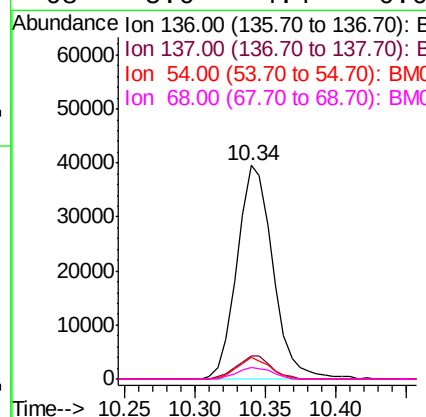
RT: 10.34 min Scan# 1250

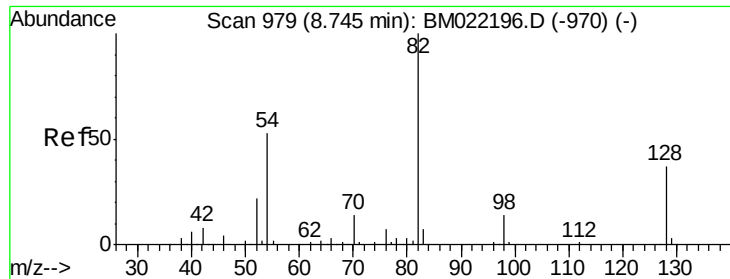
Delta R.T. -0.01 min

Lab File: BM022238.D

Acq: 21 Aug 2019 20:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		70232		
137	11.0	8.6	13.0		
54	10.0	5.3	7.9#		
68	5.6	4.4	6.6		





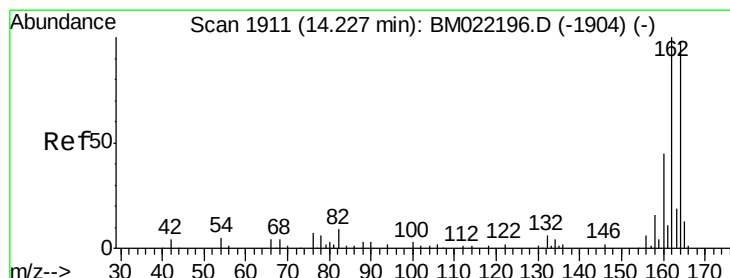
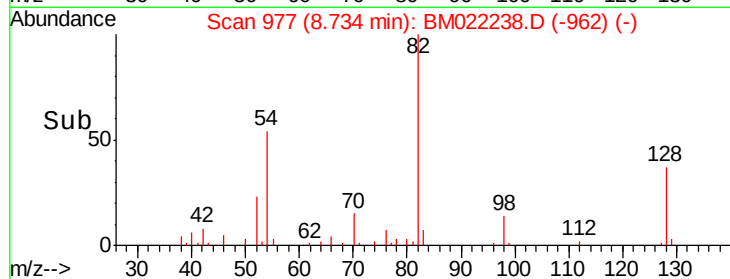
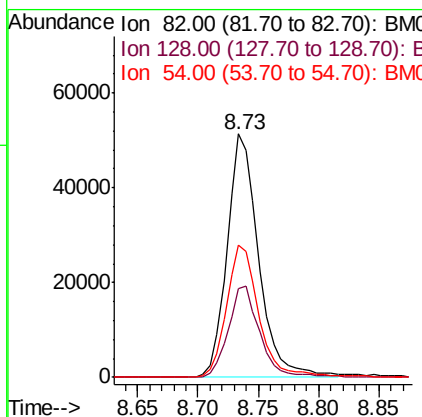
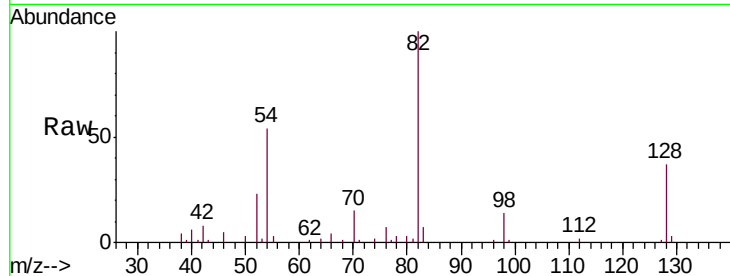
#23
 Nitrobenzene-d5
 Concen: 64.627 ng
 RT: 8.73 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: BM022238.D
 Acq: 21 Aug 2019 20:39

Instrument :
 BNA_M
 ClientSampleId :
 NB-08-082019

Tot Ion:	82	Resp:	93322
Ion Ratio	Lower	Upper	
82	100		
128	36.6	35.9	53.9
54	54.2	36.6	55.0

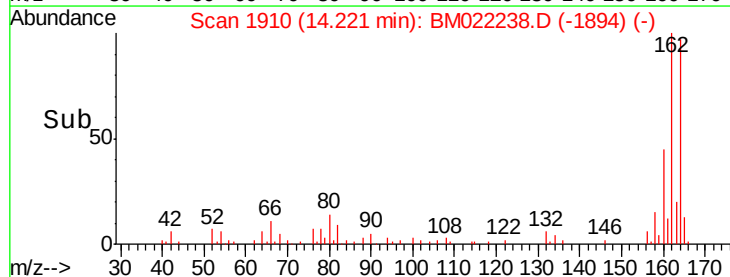
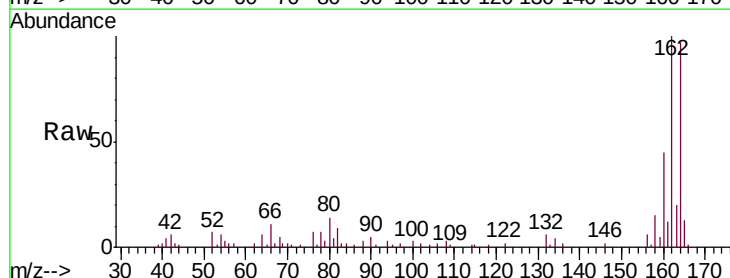
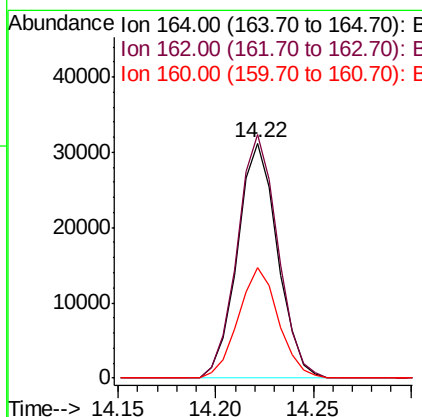
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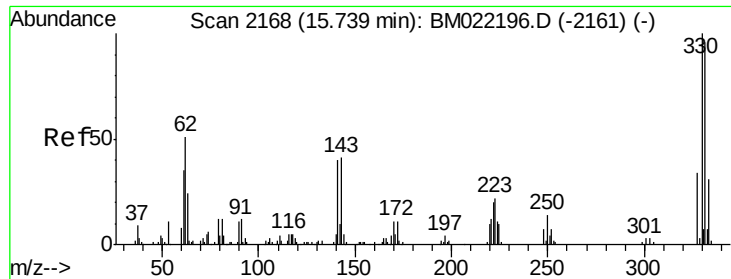
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.22 min Scan# 1910
 Delta R.T. -0.01 min
 Lab File: BM022238.D
 Acq: 21 Aug 2019 20:39

Tgt Ion:	164	Resp:	44455
Ion Ratio	Lower	Upper	
164	100		
162	103.5	82.1	123.1
160	47.0	37.1	55.7





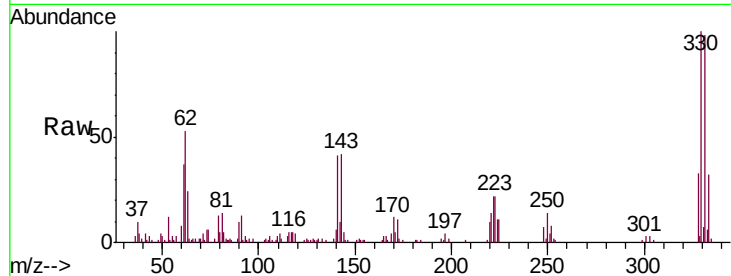
#42
 2,4,6-Tribromophenol
 Concen: 86.146 ng
 RT: 15.73 min Scan# 2167
 Delta R.T. -0.01 min
 Lab File: BM022238.D
 Acq: 21 Aug 2019 20:39

Instrument :
 BNA_M
 ClientSampleId :
 NB-08-082019

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.1	115.7
141	49.1	21.8	32.8#

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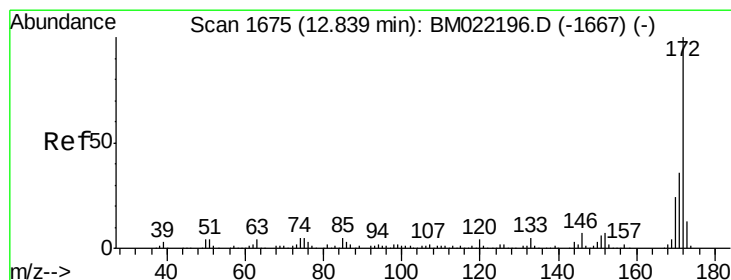
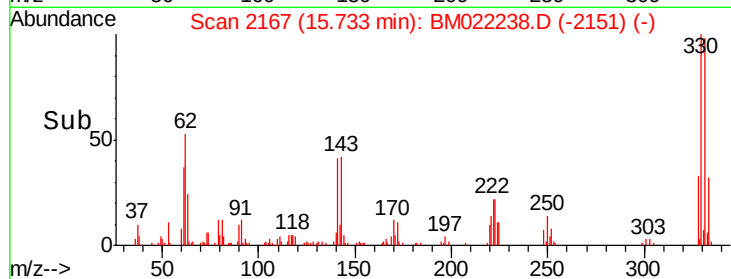
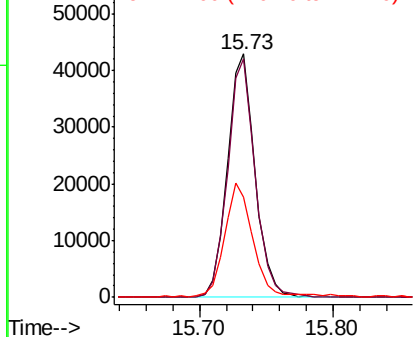


Abundance

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: 62.374 ng
 RT: 12.83 min Scan# 1673
 Delta R.T. -0.01 min
 Lab File: BM022238.D
 Acq: 21 Aug 2019 20:39

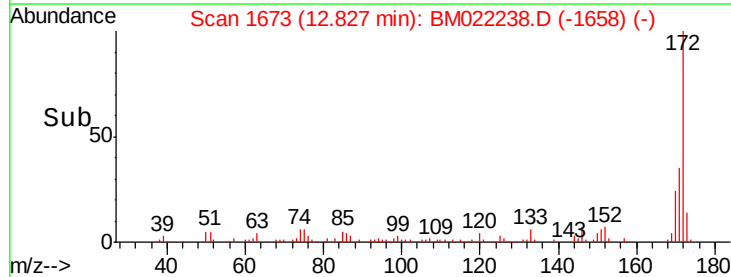
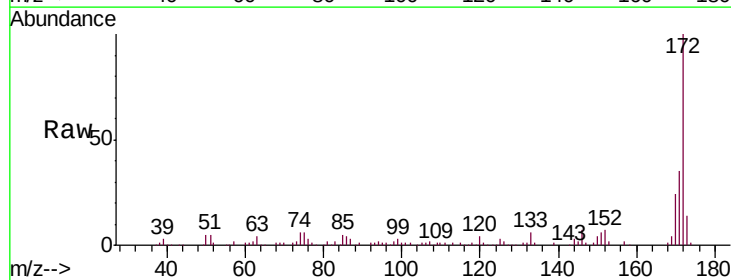
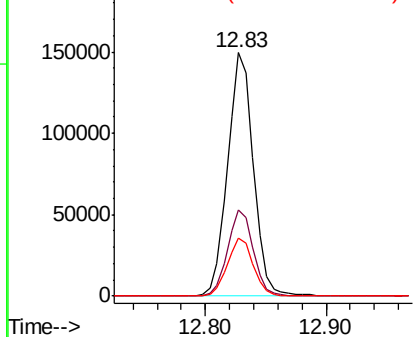
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	43.0
170	23.6	18.7	28.1

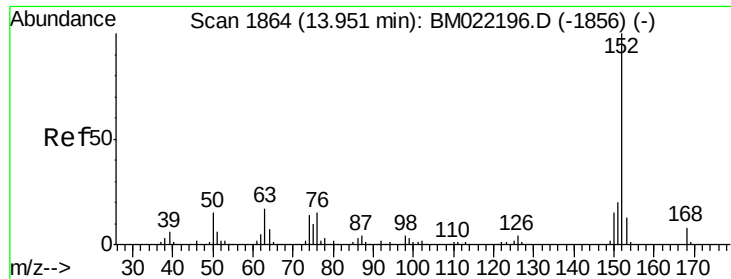
Abundance

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: 2.616 ng

RT: 13.95 min Scan# 1863

Delta R.T. -0.01 min

Lab File: BM022238.D

Acq: 21 Aug 2019 20:39

Instrument :

BNA_M

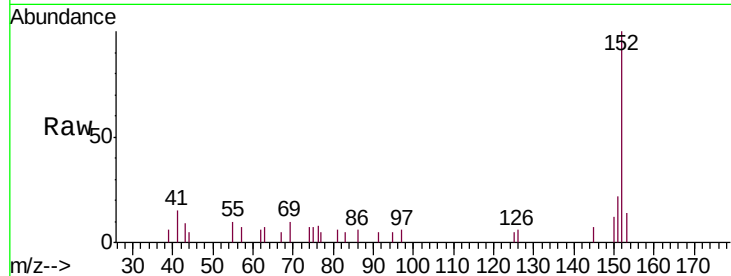
ClientSampleId :

NB-08-082019

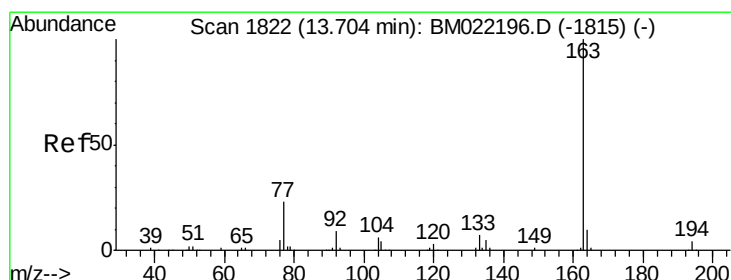
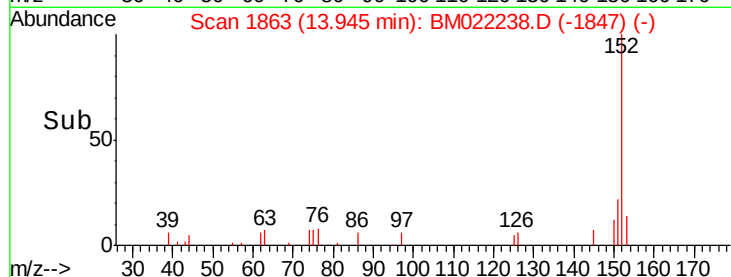
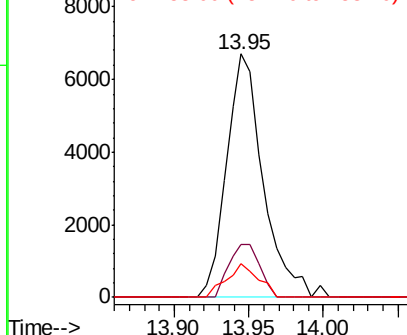
Tot Ion:	152	Resp:	11546
Ion Ratio	Lower	Upper	
152	100		
151	21.8	16.1	24.1
153	13.7	10.6	16.0

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 9.112 ng

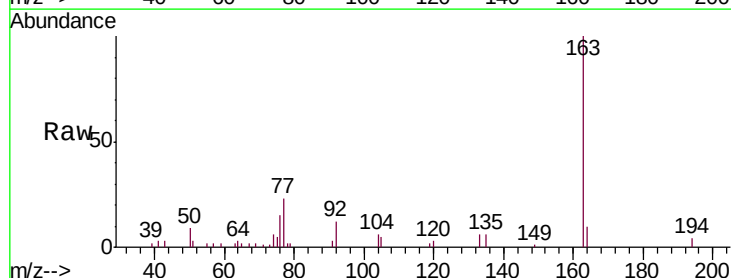
RT: 13.70 min Scan# 1821

Delta R.T. -0.01 min

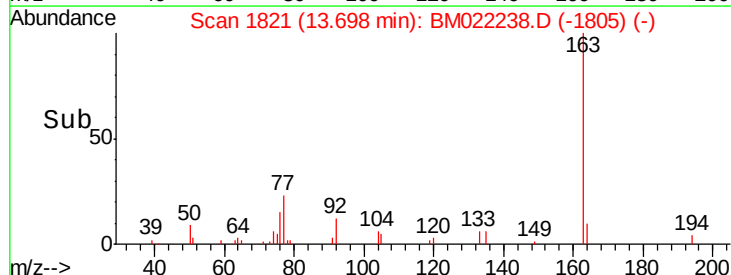
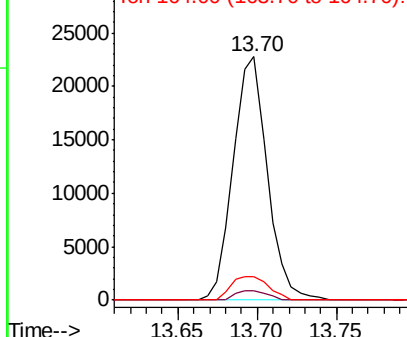
Lab File: BM022238.D

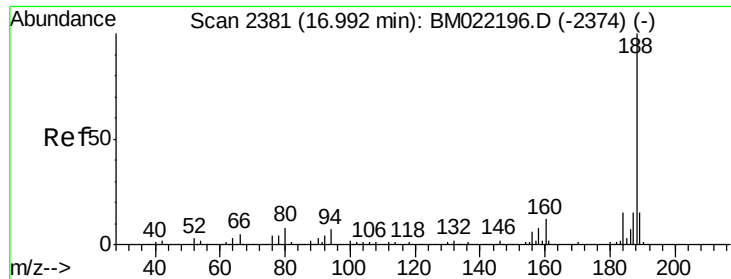
Acq: 21 Aug 2019 20:39

Tgt Ion:	163	Resp:	34056
Ion Ratio	Lower	Upper	
163	100		
194	3.6	3.4	5.2
164	9.8	8.2	12.2



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: 16.99 min Scan# 2380

Delta R.T. -0.01 min

Lab File: BM022238.D

Acq: 21 Aug 2019 20:39

Instrument :

BNA_M

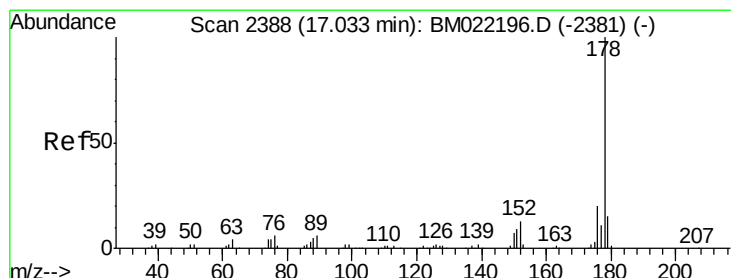
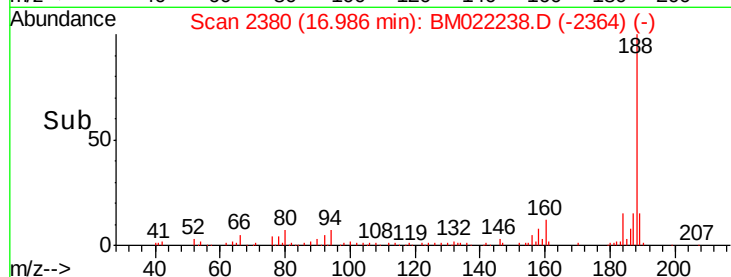
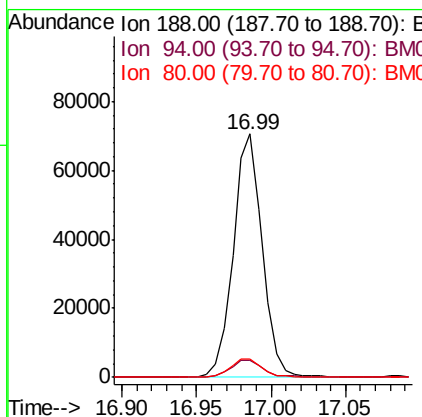
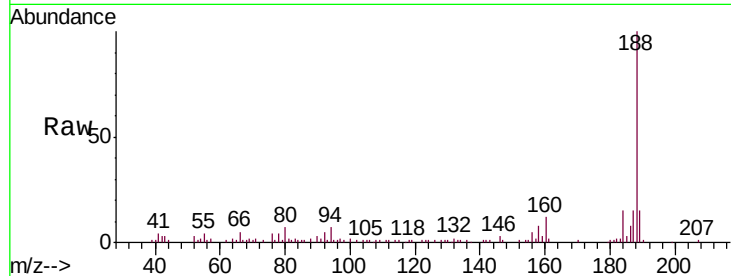
ClientSampleId :

NB-08-082019

Tot Ion:188	Resp:	95107
Ion Ratio	Lower	Upper
188 100		
94 7.0	5.8	8.8
80 7.4	6.9	10.3

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#71

Phenanthrene

Concen: 5.879 ng

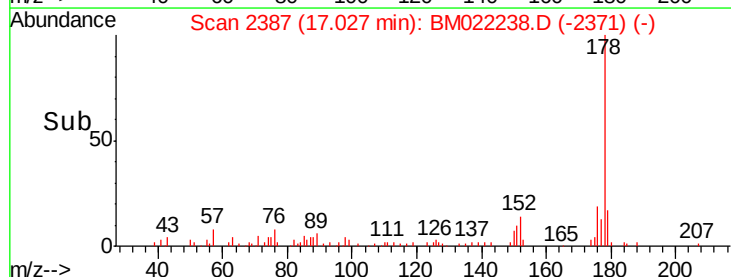
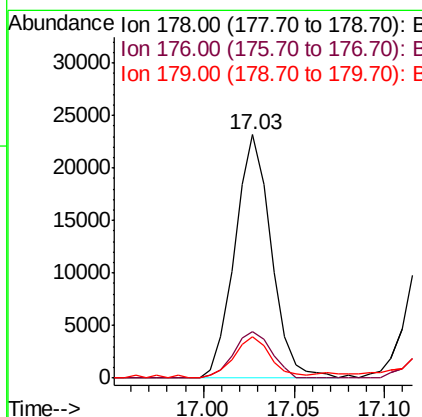
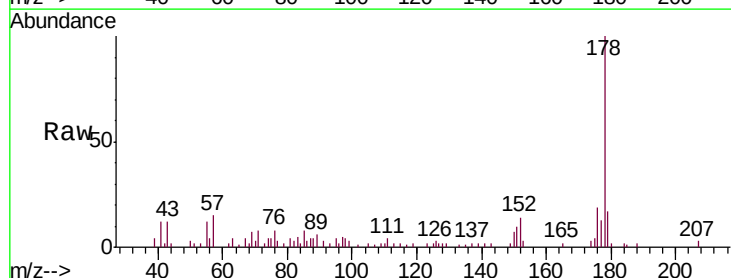
RT: 17.03 min Scan# 2387

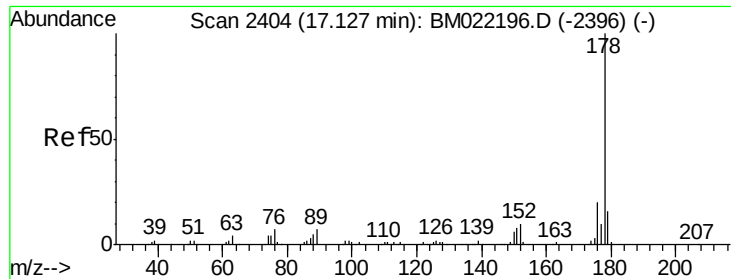
Delta R.T. -0.01 min

Lab File: BM022238.D

Acq: 21 Aug 2019 20:39

Tgt Ion:178	Resp:	32422
Ion Ratio	Lower	Upper
178 100		
176 19.1	15.2	22.8
179 17.0	12.2	18.4





#72

Anthracene

Concen: 3.216 ng

RT: 17.12 min Scan# 2403

Delta R.T. -0.01 min

Lab File: BM022238.D

Acq: 21 Aug 2019 20:39

Instrument :

BNA_M

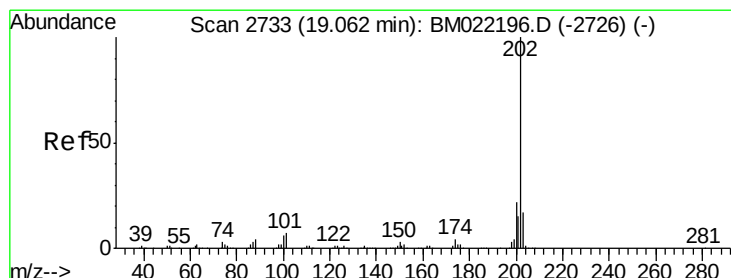
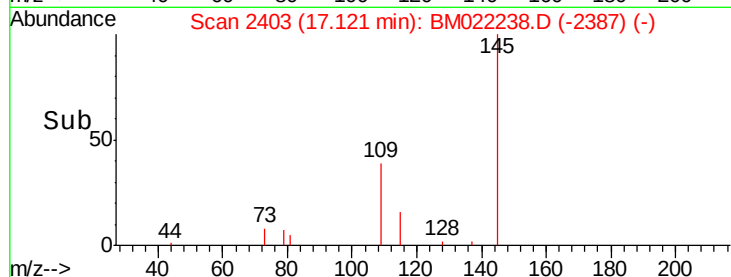
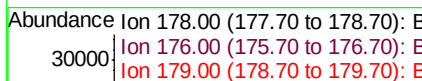
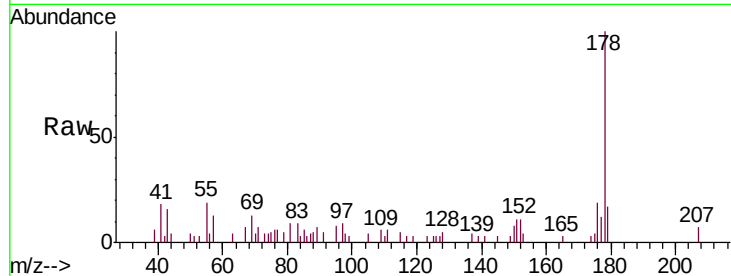
ClientSampleId :

NB-08-082019

Tot Ion:	178	Resp:	17610
Ion Ratio	Lower	Upper	
178	100		
176	18.6	14.7	22.1
179	16.8	12.2	18.2

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#75

Fluoranthene

Concen: 20.037 ng

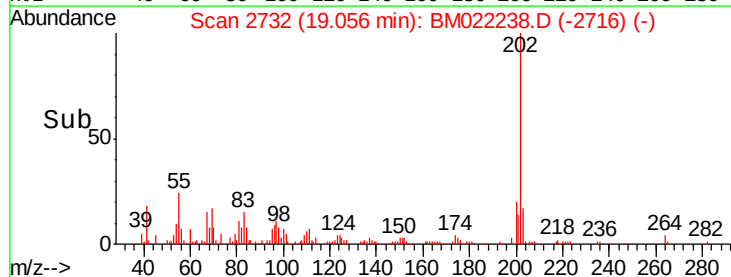
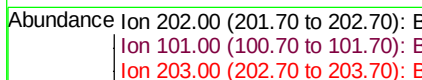
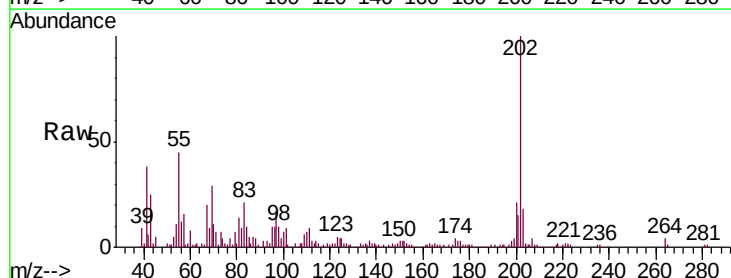
RT: 19.06 min Scan# 2732

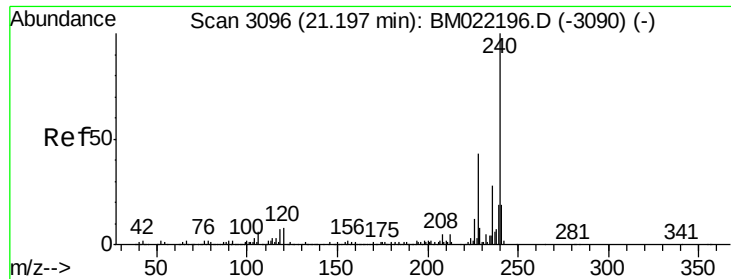
Delta R.T. -0.01 min

Lab File: BM022238.D

Acq: 21 Aug 2019 20:39

Tgt Ion:	202	Resp:	133263
Ion Ratio	Lower	Upper	
202	100		
101	8.7	0.0	28.2
203	17.5	0.0	37.6





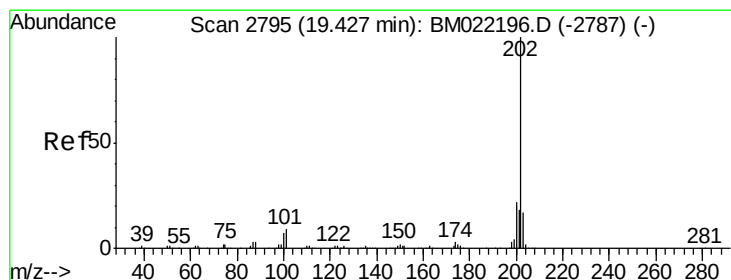
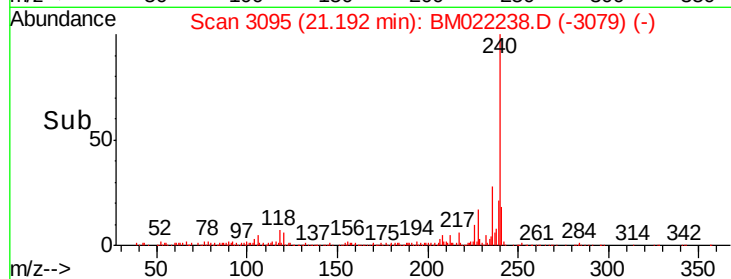
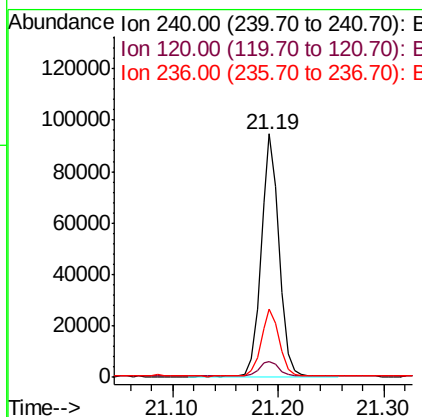
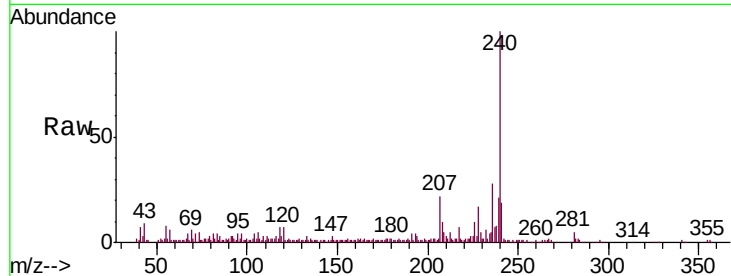
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.19 min Scan# 3095
Delta R.T. -0.01 min
Lab File: BM022238.D
Acq: 21 Aug 2019 20:39

Instrument :
BNA_M
ClientSampleId :
NB-08-082019

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.7	6.9	10.3#
236	28.2	20.4	30.6

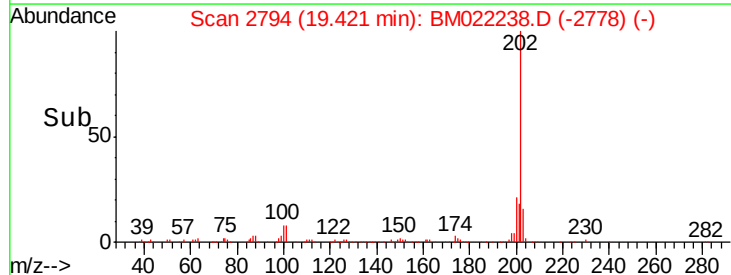
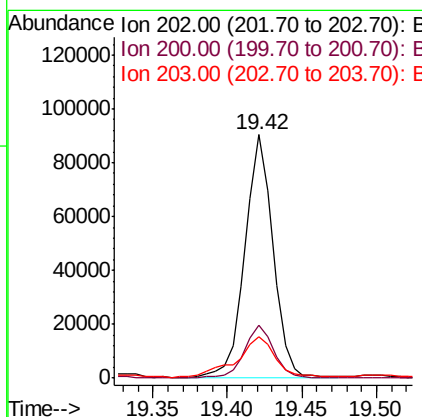
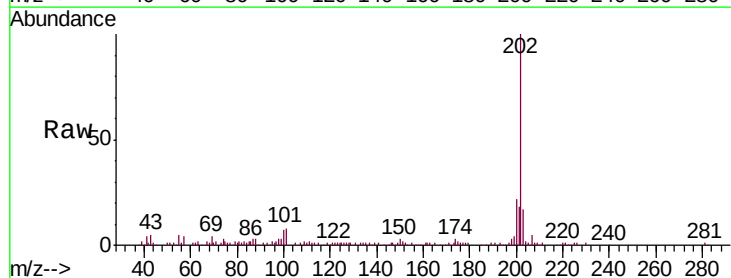
Manual Integrations
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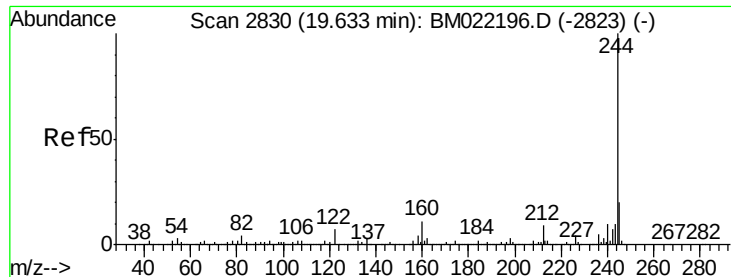
Jagrut
8/22/2019 2:00:22 PM



#78
Pyrene
Concen: 14.672 ng
RT: 19.42 min Scan# 2794
Delta R.T. -0.01 min
Lab File: BM022238.D
Acq: 21 Aug 2019 20:39

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.0	25.4
203	17.1	14.0	21.0





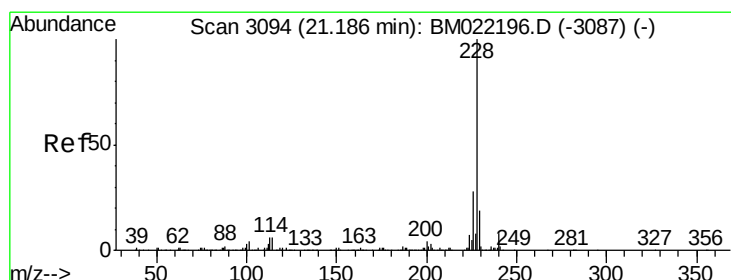
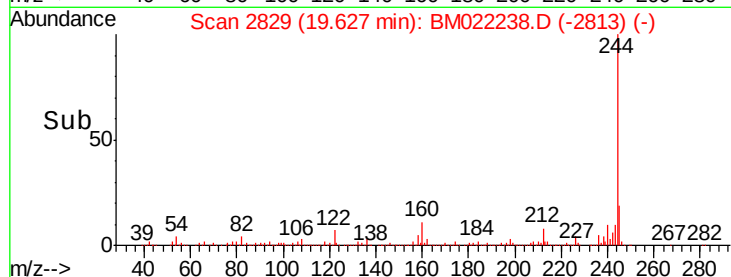
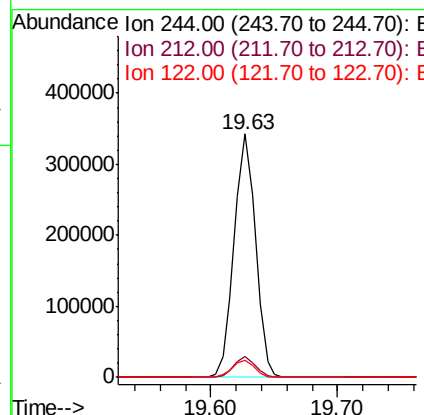
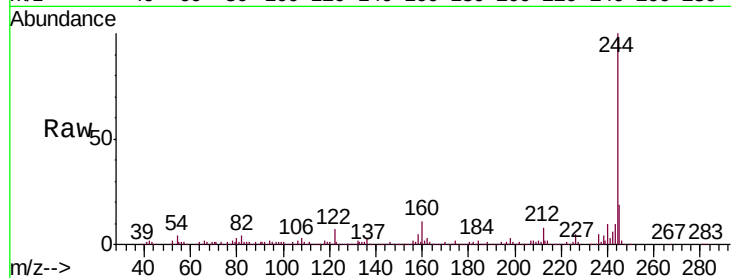
#79
 Terphenyl-d14
 Concen: 50.661 ng
 RT: 19.63 min Scan# 2829
 Delta R.T. -0.01 min
 Lab File: BM022238.D
 Acq: 21 Aug 2019 20:39

Instrument :
 BNA_M
 ClientSampleId :
 NB-08-082019

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	8.3	5.3	7.9#
122	7.0	6.6	9.8

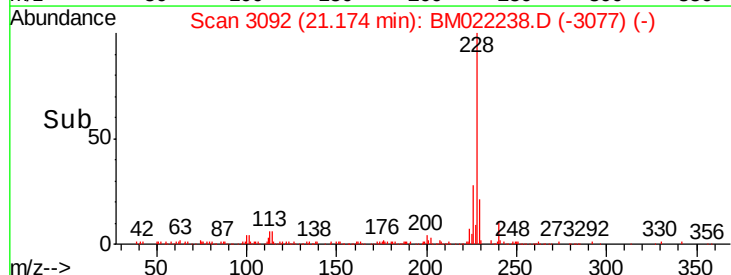
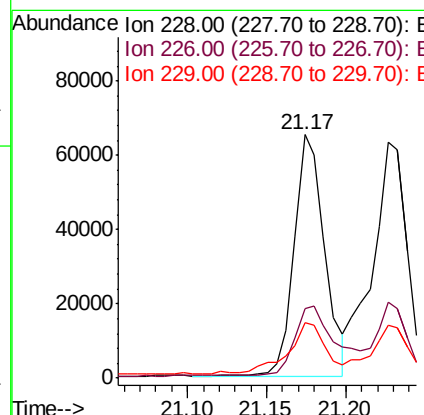
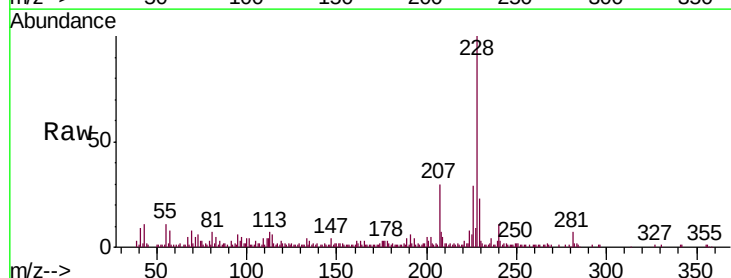
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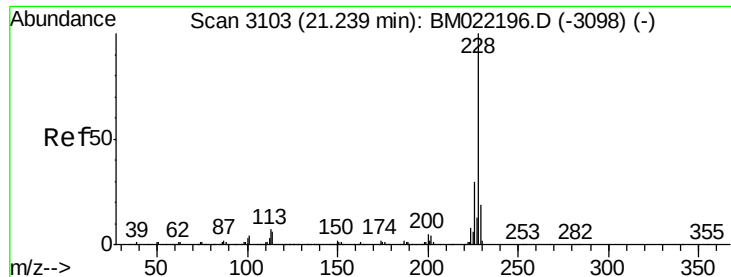
Jagrut
 8/22/2019 2:00:22 PM



#81
 Benzo(a)anthracene
 Concen: 10.710 ng
 RT: 21.17 min Scan# 3092
 Delta R.T. -0.01 min
 Lab File: BM022238.D
 Acq: 21 Aug 2019 20:39

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	28.6	21.6	32.4
229	22.6	15.5	23.3





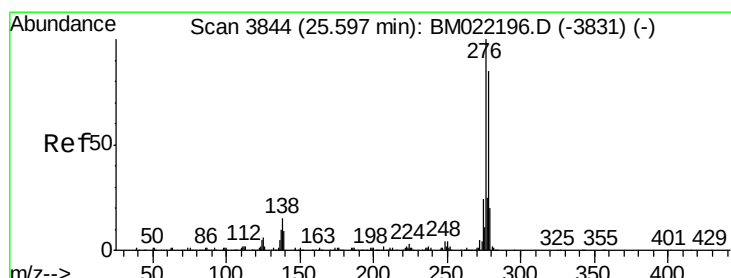
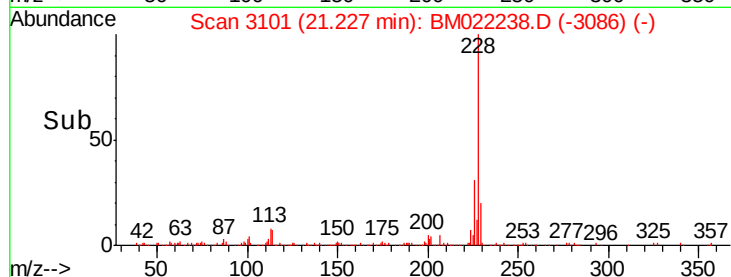
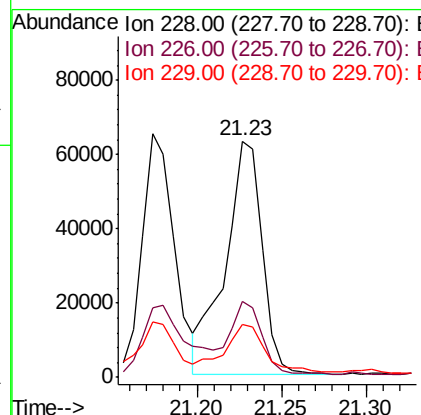
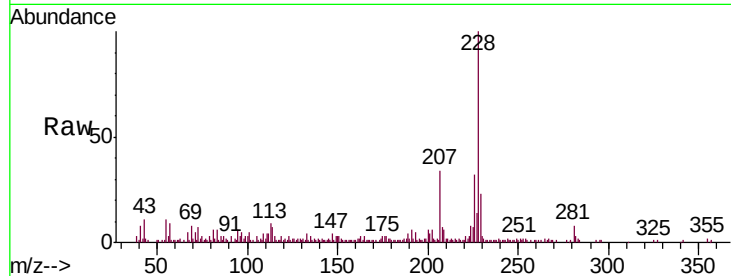
#83
Chrysene
Concen: 12.169 ng
RT: 21.23 min Scan# 3101
Delta R.T. -0.01 min
Lab File: BM022238.D
Acq: 21 Aug 2019 20:39

Instrument :
BNA_M
ClientSampleId :
NB-08-082019

Tot Ion:	228	Resp:	94879
Ion	Ratio	Lower	Upper
228	100		
226	32.1	24.1	36.1
229	22.5	15.6	23.4

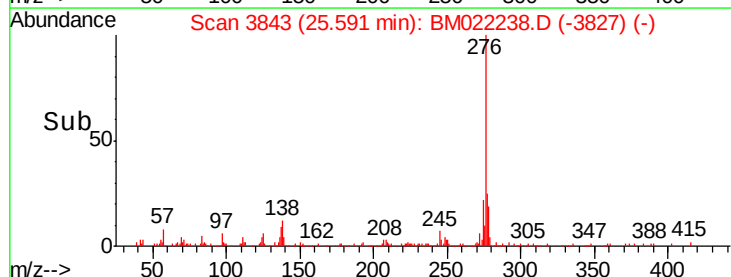
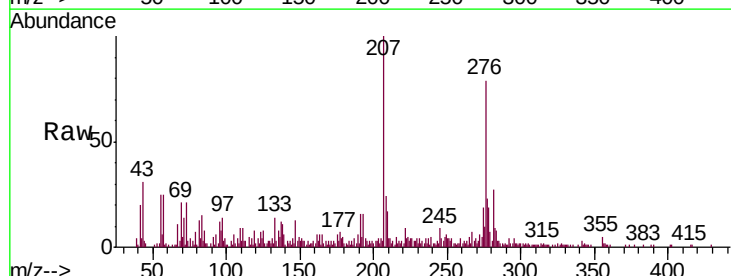
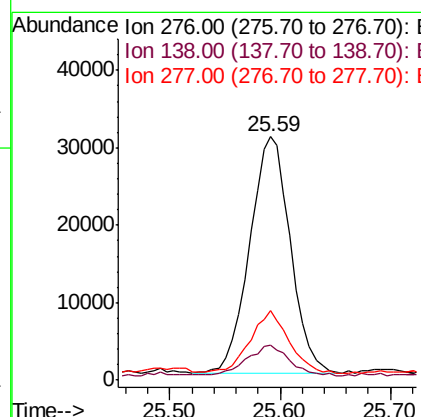
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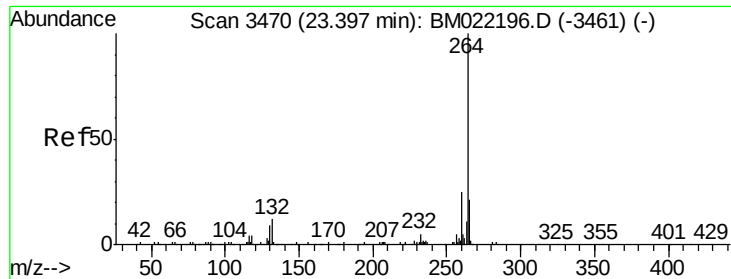
Jagrut
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#86
Indeno(1,2,3-cd)pyrene
Concen: 8.972 ng
RT: 25.59 min Scan# 3843
Delta R.T. -0.01 min
Lab File: BM022238.D
Acq: 21 Aug 2019 20:39

Tgt Ion:	276	Resp:	78360
Ion	Ratio	Lower	Upper
276	100		
138	13.2	15.4	23.0#
277	25.5	20.4	30.6





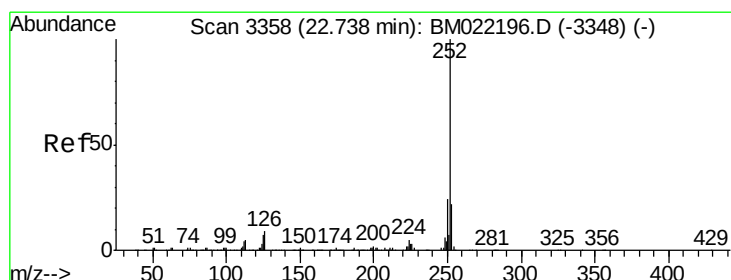
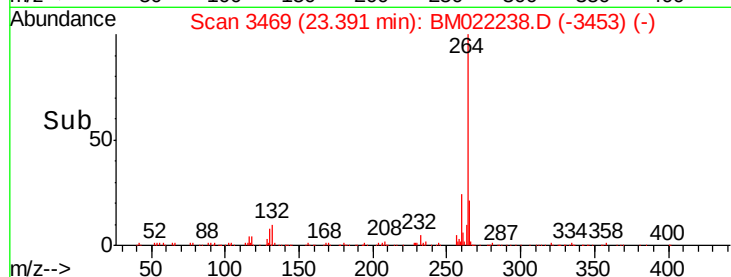
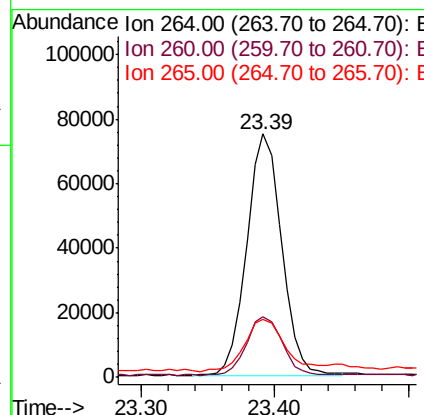
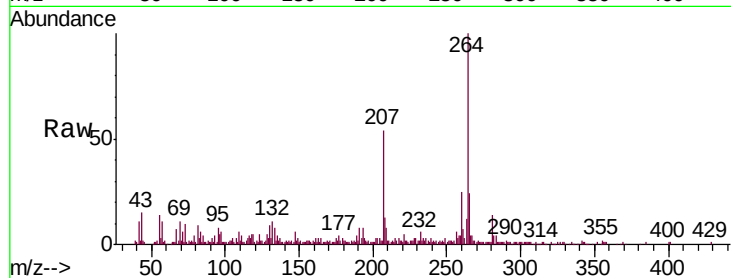
#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.39 min Scan# 3469
Delta R.T. -0.01 min
Lab File: BM022238.D
Acq: 21 Aug 2019 20:39

Instrument :
BNA_M
ClientSampleId :
NB-08-082019

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.0	28.4
265	23.9	17.7	26.5

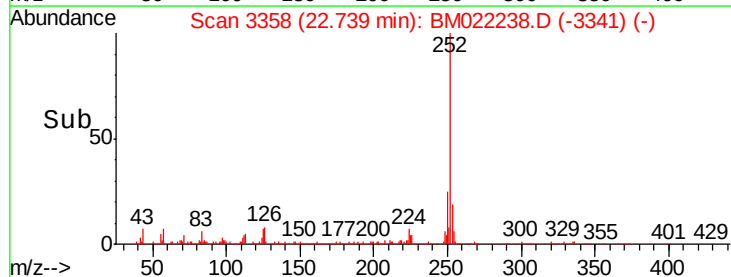
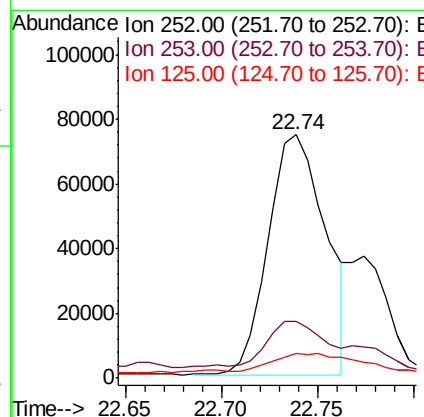
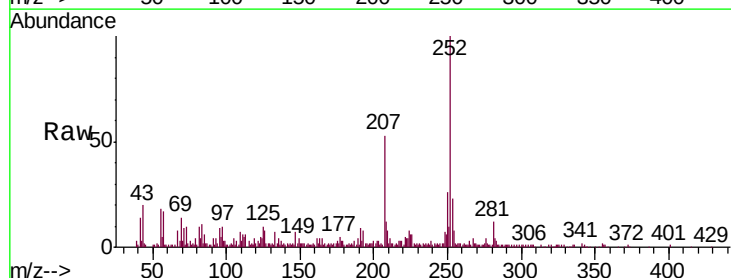
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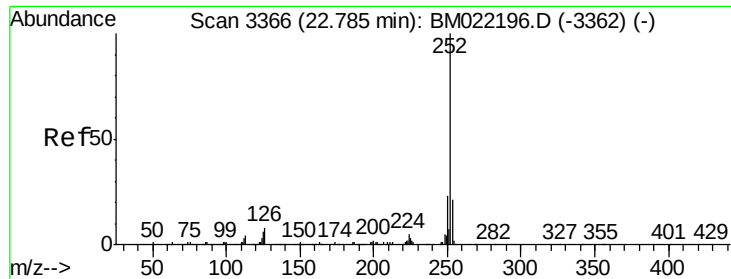
Jagrut
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#88
Benzo(b)fluoranthene
Concen: 17.227 ng m
RT: 22.74 min Scan# 3358
Delta R.T. 0.00 min
Lab File: BM022238.D
Acq: 21 Aug 2019 20:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.0
125	9.9	5.9	8.9#





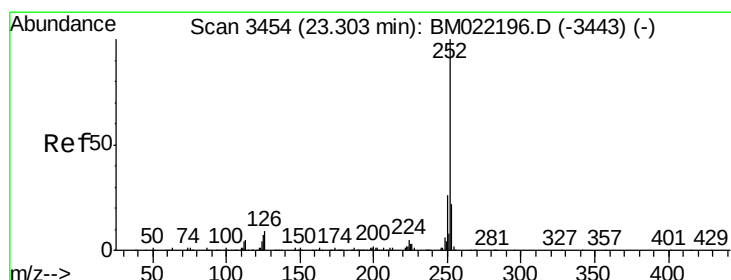
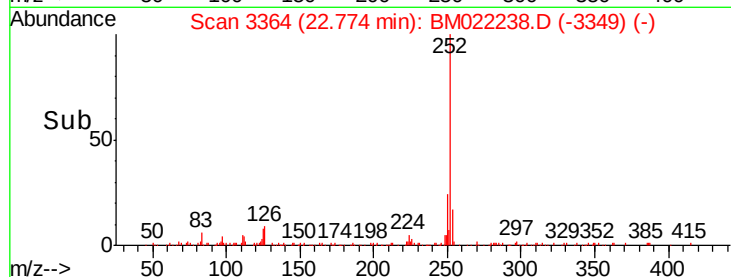
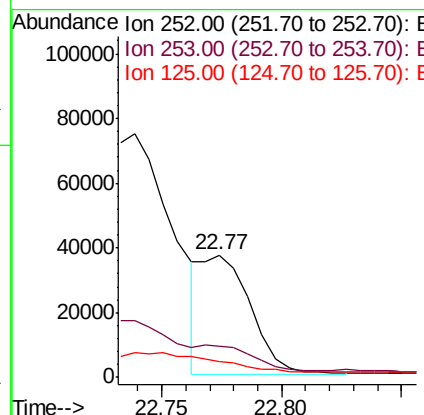
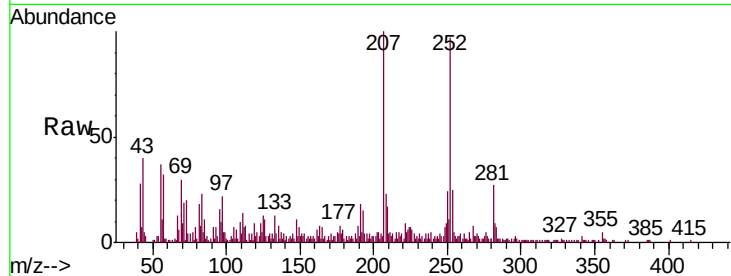
#89
Benzo(k)fluoranthene
Concen: 6.020 ng m
RT: 22.77 min Scan# 3364
Delta R.T. -0.01 min
Lab File: BM022238.D
Acq: 21 Aug 2019 20:39

Instrument :
BNA_M
ClientSampled :
NB-08-082019

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.5	26.3
125	13.1	5.9	8.9

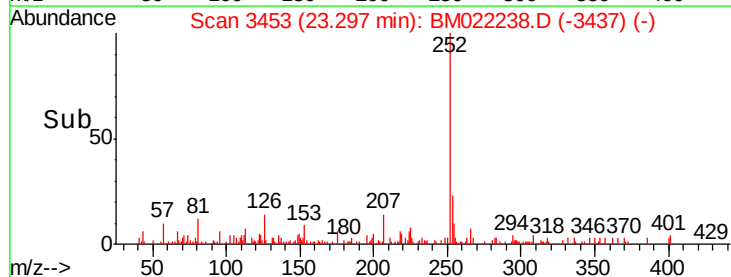
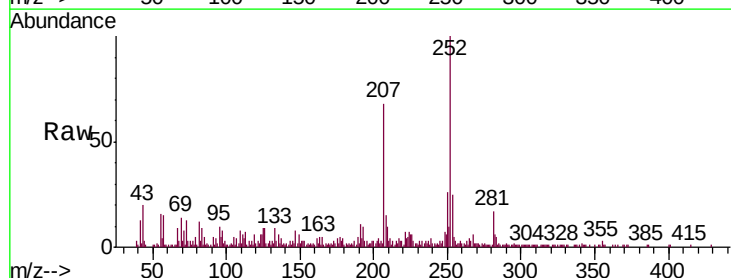
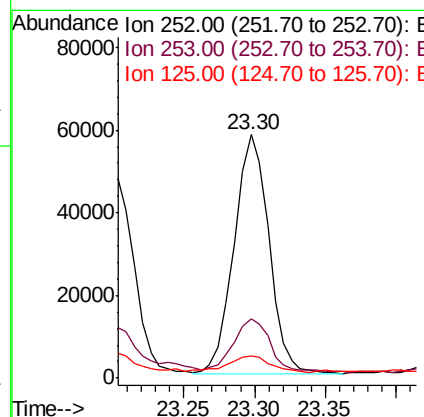
Manual Integrations
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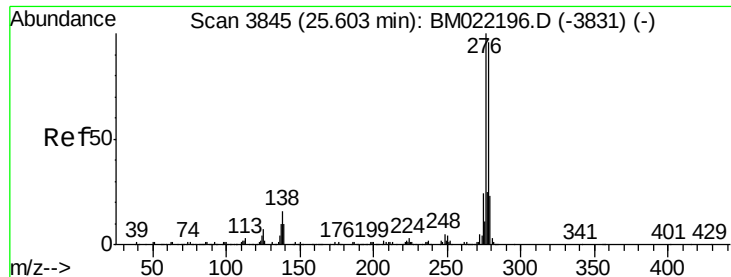
Jagrut
8/22/2019 2:00:22 PM



#90
Benzo(a)pyrene
Concen: 12.084 ng
RT: 23.30 min Scan# 3453
Delta R.T. -0.01 min
Lab File: BM022238.D
Acq: 21 Aug 2019 20:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.5	26.3
125	9.2	6.6	10.0





#91

Dibenzo(a,h)anthracene

Concen: 2.538 ng

RT: 25.59 min Scan# 3843

Delta R.T. -0.01 min

Lab File: BM022238.D

Acq: 21 Aug 2019 20:39

Instrument :

BNA_M

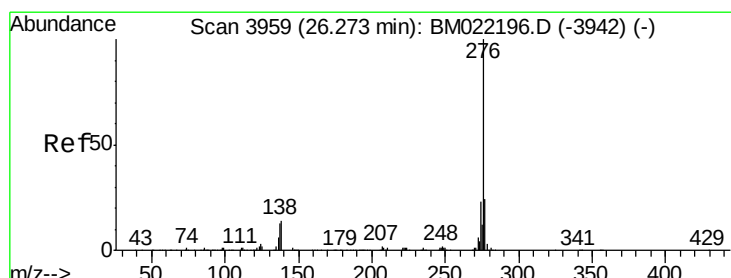
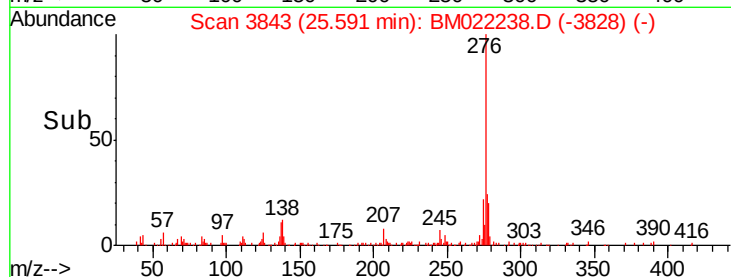
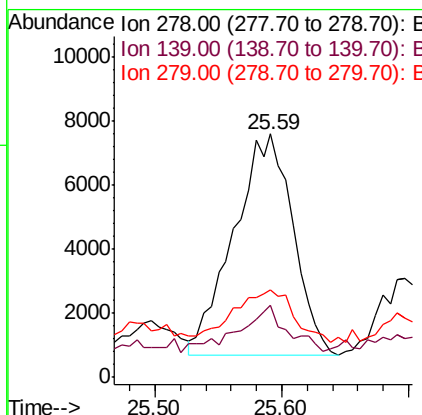
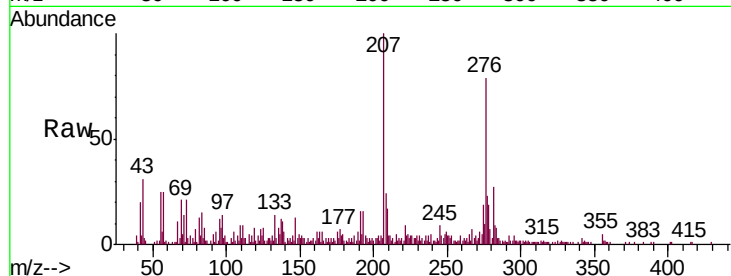
ClientSampleId :

NB-08-082019

Tot Ion:	278	Resp:	22186
Ion Ratio	Lower	Upper	
278	100		
139	29.5	9.8	14.8#
279	36.1	18.7	28.1#

Manual Integrations
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8/22/2019 2:00:22 PM



#92

Benzo(g,h,i)perylene

Concen: 10.628 ng

RT: 26.27 min Scan# 3958

Delta R.T. -0.01 min

Lab File: BM022238.D

Acq: 21 Aug 2019 20:39

Tgt Ion:	276	Resp:	81224
Ion Ratio	Lower	Upper	
276	100		
277	26.4	18.8	28.2
138	16.9	13.1	19.7

