

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082319\
 Data File : BN007357.D
 Acq On : 24 Aug 2019 09:26
 Operator : HP/JU
 Sample : K4239-19DL 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-034-SW091-080519-1DL

Manual Integrations
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mohammad
 8/29/2019 8:00:14 AM

Quant Time: Aug 24 23:09:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 24 00:38:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	5745	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	24919	0.40	ng	-0.01
13) Acenaphthene-d10	14.04	164	13910	0.40	ng	-0.01
19) Phenanthrene-d10	16.80	188	30269	0.40	ng	0.00
27) Chrysene-d12	21.02	240	29423	0.40	ng	0.00
34) Perylene-d12	23.12	264	33657	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.04	112	480	-0.00	ng	0.00
5) Phenol-d6	6.59	99	615	-0.01	ng	0.00
8) Nitrobenzene-d5	8.54	82	571	0.03	ng	0.01
11) 2-Methylnaphthalene-d10	11.76	152	950	0.02	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	179	0.02	ng	-0.01
15) 2-Fluorobiphenyl	12.66	172	1252	0.02	ng	0.00
25) Fluoranthene-d10	18.84	212	2093	0.02	ng	0.00
29) Terphenyl-d14	19.46	244	2156	0.03	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.20	128	9082	0.128	ng	# 94
12) 2-Methylnaphthalene	11.83	142	10025	0.207	ng	98
16) Acenaphthylene	13.76	152	50568	0.614	ng	98
17) Acenaphthene	14.11	154	11070	0.230	ng	97
18) Fluorene	15.10	166	21996	0.361	ng	# 88
23) Phenanthrene	16.84	178	599866	6.588	ng	99
24) Anthracene	16.93	178	74917	0.818	ng	98
26) Fluoranthene	18.88	202	635663	5.438	ng	99
28) Pyrene	19.24	202	979234	8.273	ng	97
30) Benzo(a)anthracene	21.01	228	433266	3.750	ng	93
31) Chrysene	21.06	228	468079	4.197	ng	98
32) Bis(2-ethylhexyl)phthalate	20.97	149	7191	0.077	ng	# 81
33) Indeno(1,2,3-cd)pyrene	25.19	276	199981	1.488	ng	98
35) Benzo(b)fluoranthene	22.51	252	420198m	3.446	ng	
36) Benzo(k)fluoranthene	22.55	252	116637m	0.968	ng	
37) Benzo(a)pyrene	23.03	252	332495m	2.865	ng	
38) Dibenzo(a,h)anthracene	25.19	278	62638	0.541	ng	93
39) Benzo(a,h,i)perylene	25.81	276	235981	2.045	ng	96

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

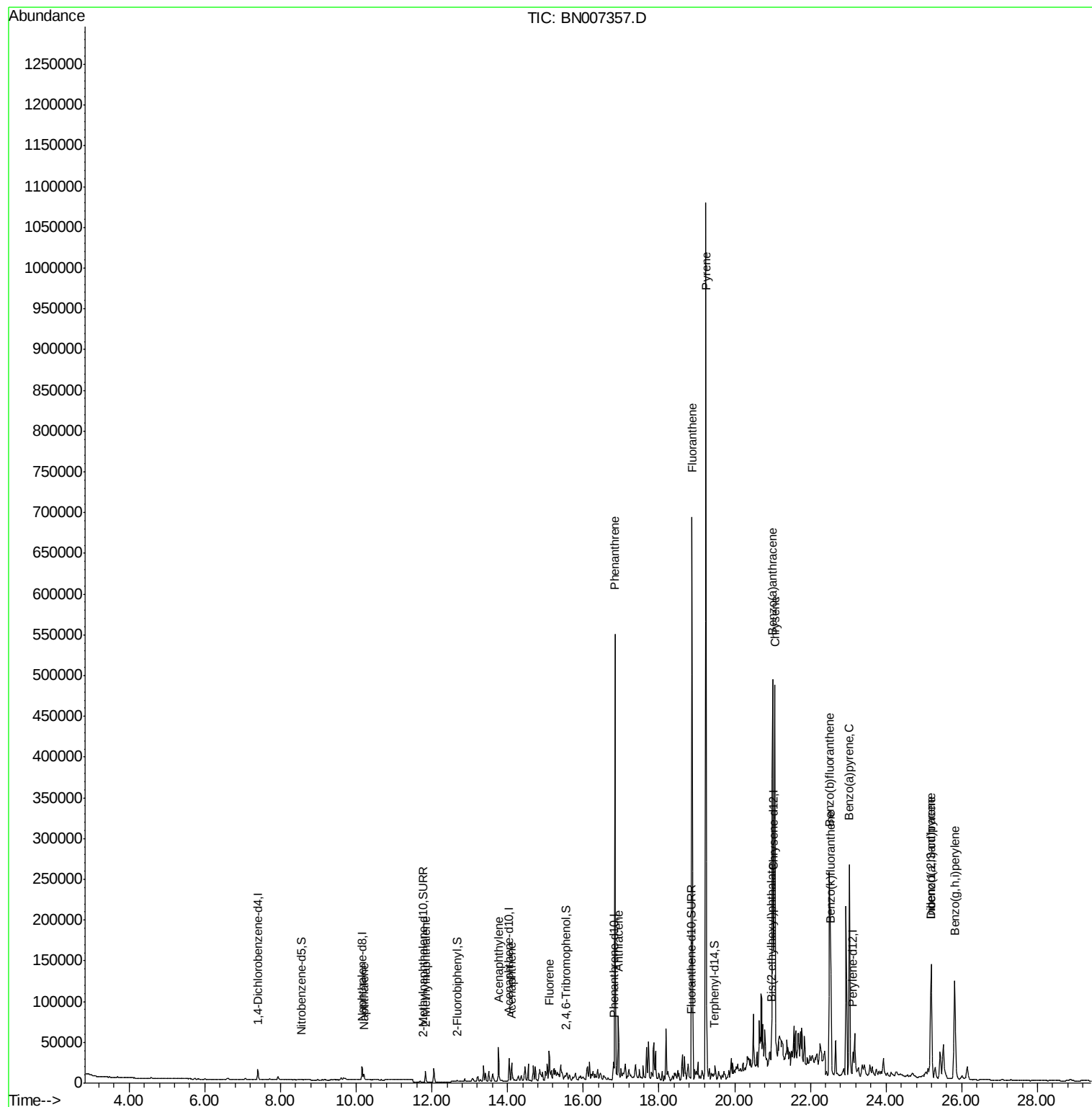
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082319\
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Operator : HP/JU
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Misc :
ALS Vial : 25 Sample Multiplier: 1

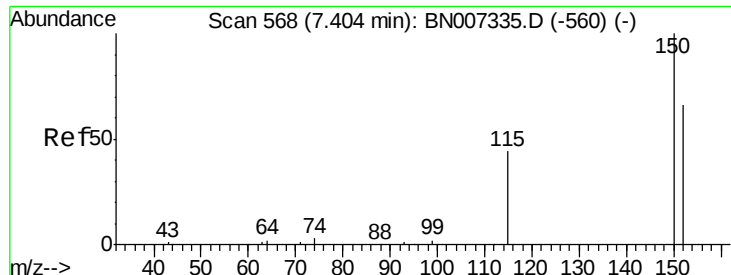
Instrument :
BNA_N
ClientSampleId :
EXT-034-SW091-080519-1DL

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Quant Time: Aug 24 23:09:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

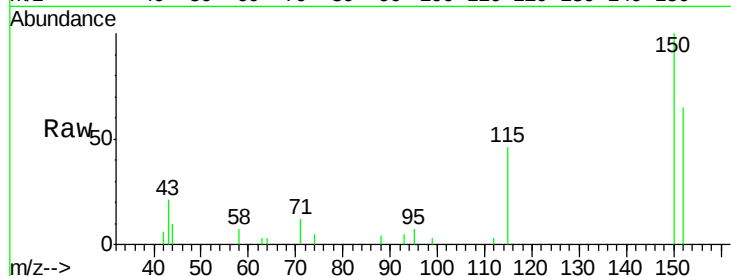
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 568
Delta R.T. -0.00 min
Lab File: BN007357.D
Acq: 24 Aug 2019 09:26

Instrument :
BNA_N
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EXT-034-SW091-080519-1DL

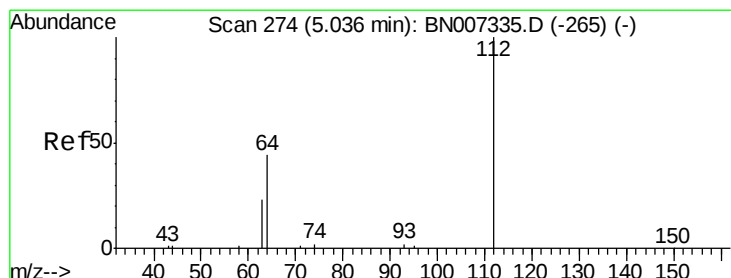
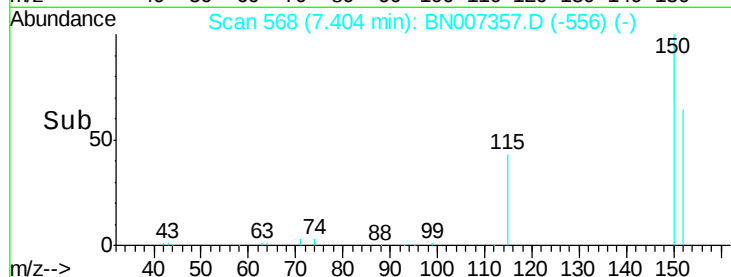
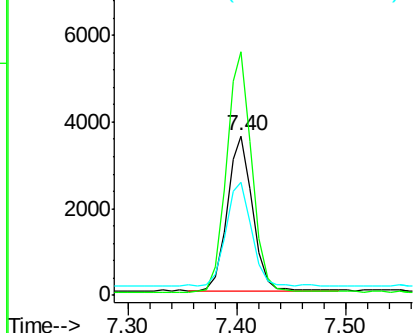
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	109.1	163.7
115	70.8	59.6	89.4

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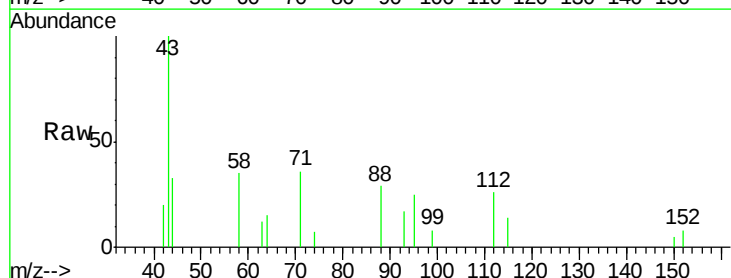
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



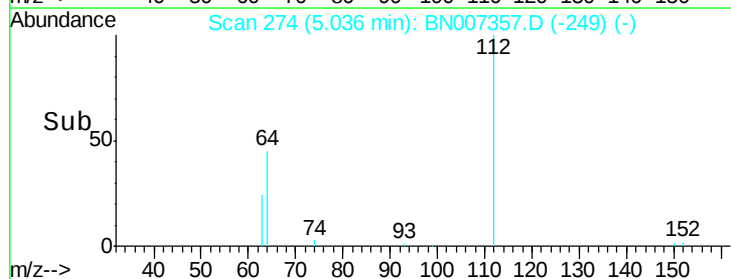
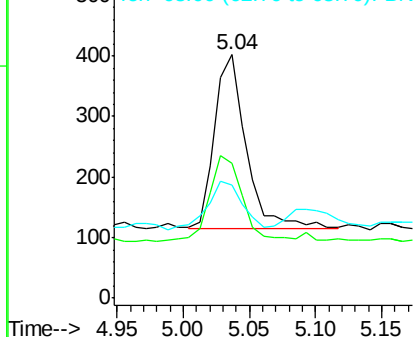
#4

2-Fluorophenol
Concen: -0.004 ng
RT: 5.04 min Scan# 274
Delta R.T. 0.00 min
Lab File: BN007357.D
Acq: 24 Aug 2019 09:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.5	42.3	63.5
63	30.6	23.6	35.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BNC
Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: -0.006 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007357.D

Acq: 24 Aug 2019 09:26

Instrument :

BNA_N

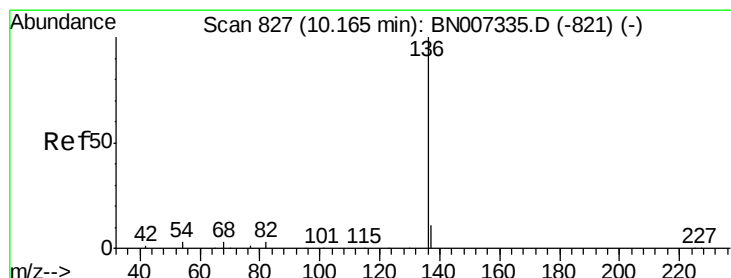
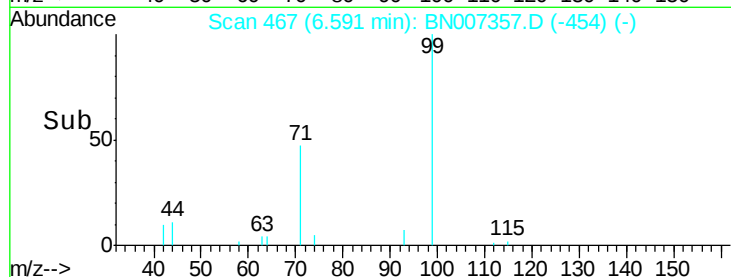
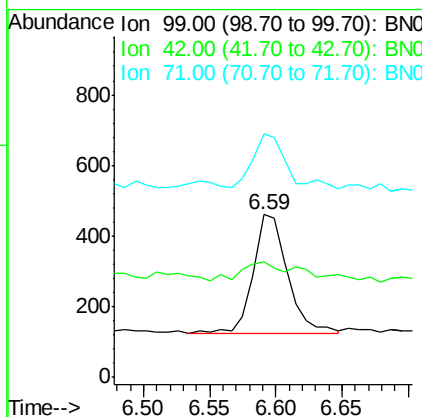
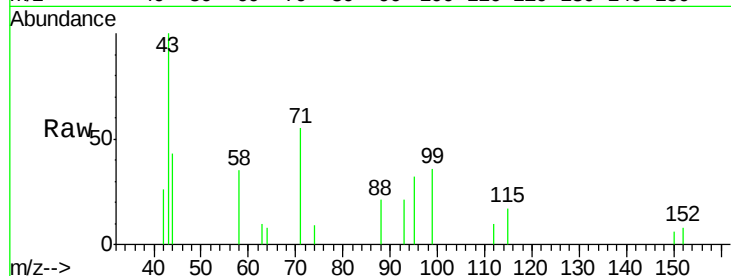
ClientSampleId :

EXT-034-SW091-080519-1DL

Tot Ion:	99	Resp:	615
Ion	Ratio	Lower	Upper
99	100		
42	17.2	11.2	16.8#
71	39.3	31.8	47.8

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#7

Naphthalene-d8

Concen: 0.400 ng

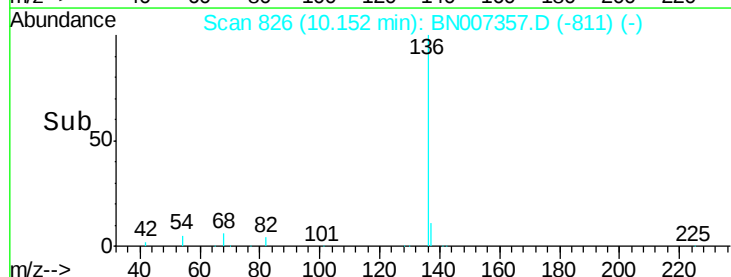
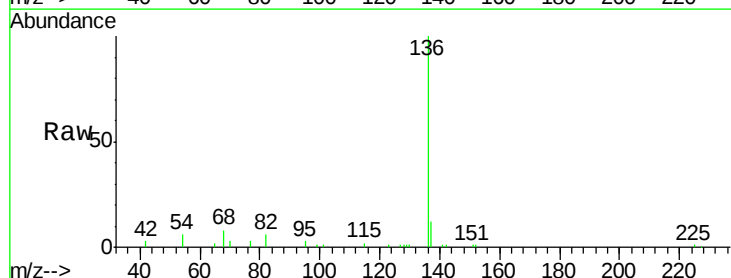
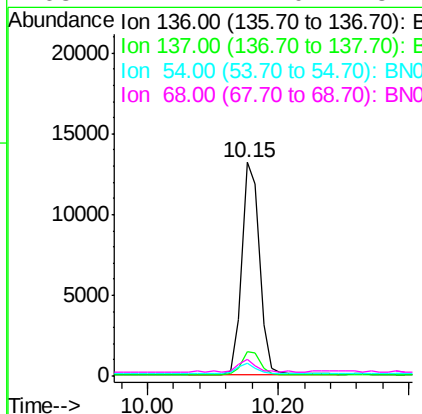
RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007357.D

Acq: 24 Aug 2019 09:26

Tgt Ion:	136	Resp:	24919
Ion	Ratio	Lower	Upper
136	100		
137	11.6	12.9	19.3#
54	6.2	8.6	12.8#
68	7.7	17.0	25.4#





#8

Nitrobenzene-d5

Concen: 0.026 ng

RT: 8.54 min Scan# 699

Delta R.T. 0.01 min

Lab File: BN007357.D

Acq: 24 Aug 2019 09:26

Instrument :

BNA_N

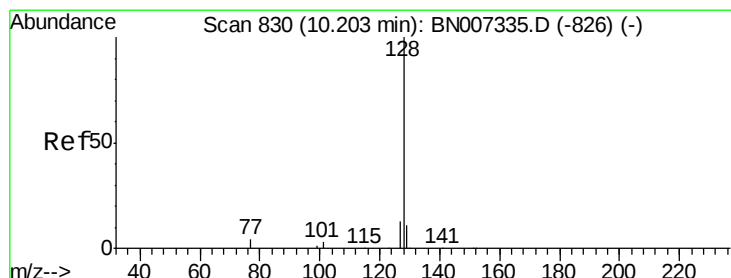
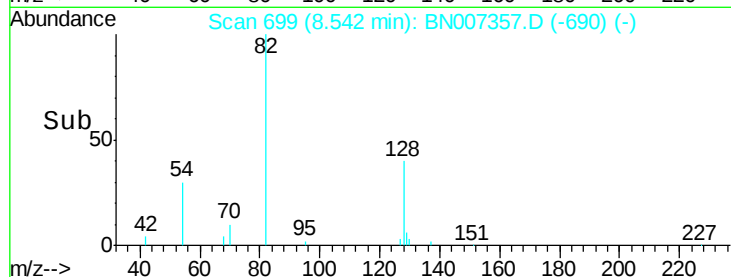
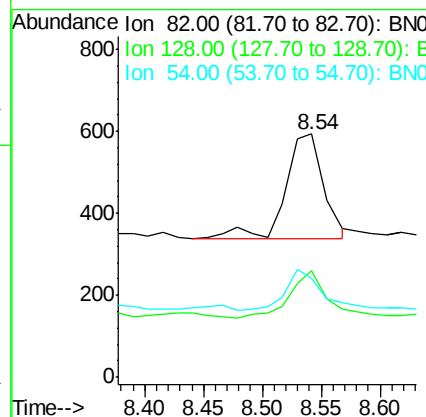
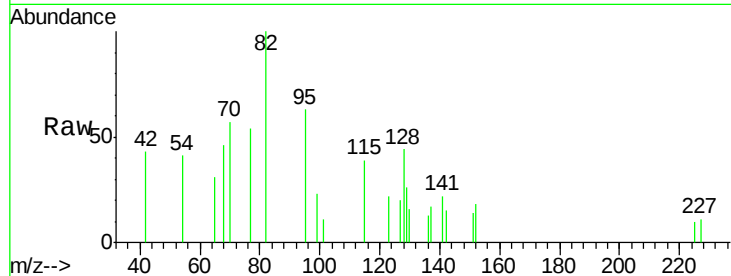
ClientSampleId :

EXT-034-SW091-080519-1DL

Tot Ion:	82	Resp:	571
Ion	Ratio	Lower	Upper
82	100		
128	43.8	19.7	29.5#
54	40.7	25.8	38.6#

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#9

Naphthalene

Concen: 0.128 ng

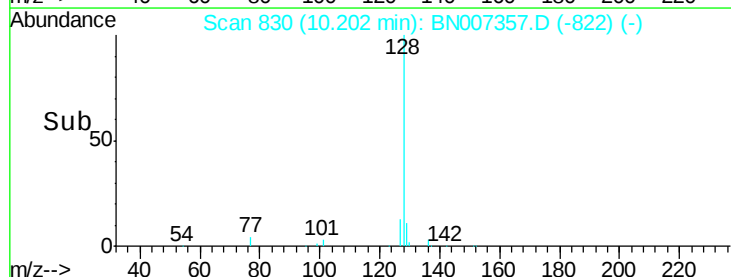
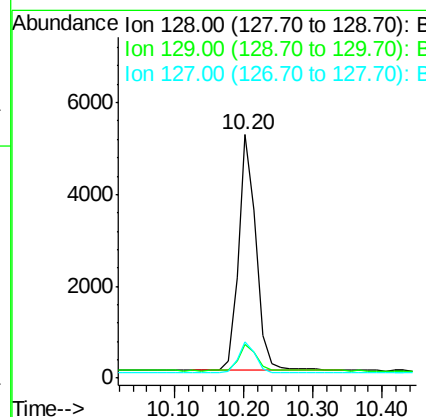
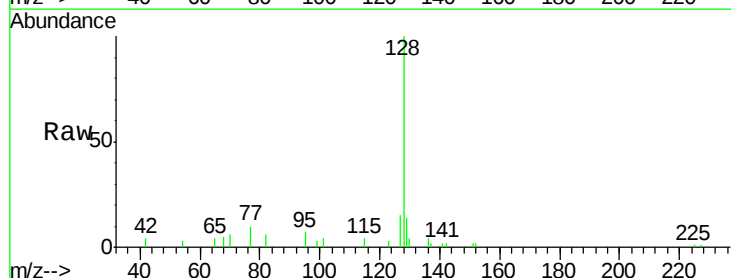
RT: 10.20 min Scan# 830

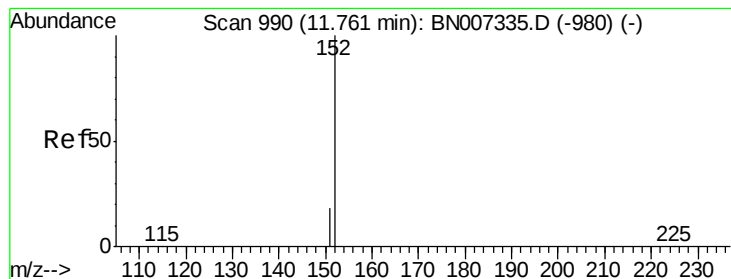
Delta R.T. -0.00 min

Lab File: BN007357.D

Acq: 24 Aug 2019 09:26

Tgt Ion:	128	Resp:	9082
Ion	Ratio	Lower	Upper
128	100		
129	13.8	11.1	16.7
127	15.1	15.5	23.3#





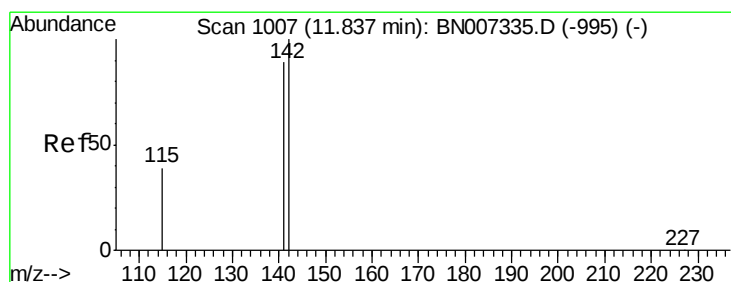
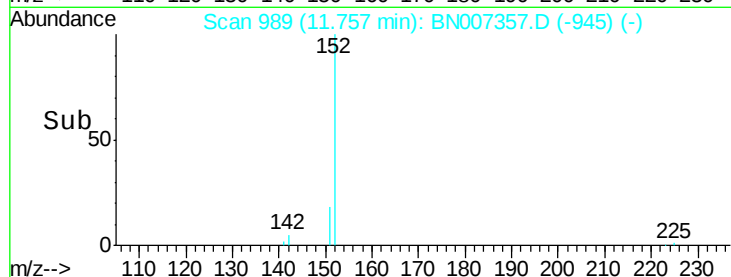
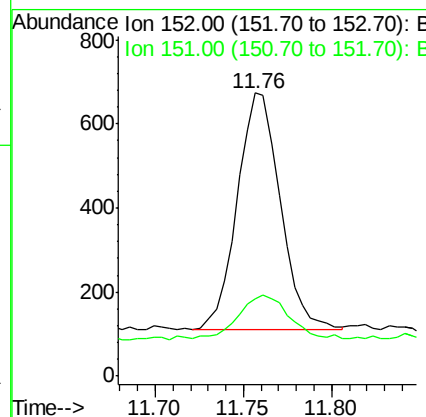
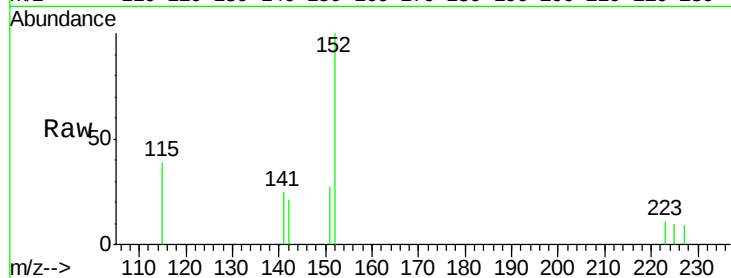
#11
2-Methylnaphthalene-d10
Concen: 0.023 ng
RT: 11.76 min Scan# 989
Delta R.T. -0.00 min
Lab File: BN007357.D
Acq: 24 Aug 2019 09:26

Instrument :
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ClientSampleId :
EXT-034-SW091-080519-1DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	23.4	16.2	24.2

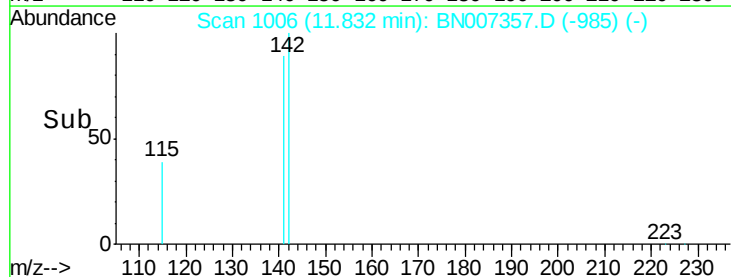
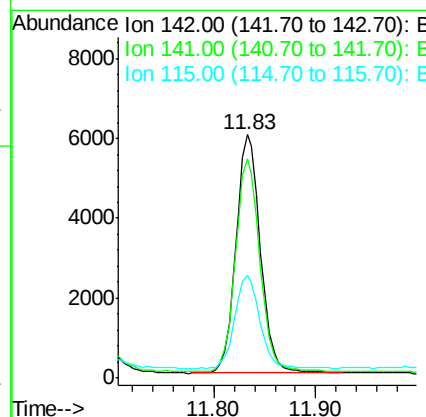
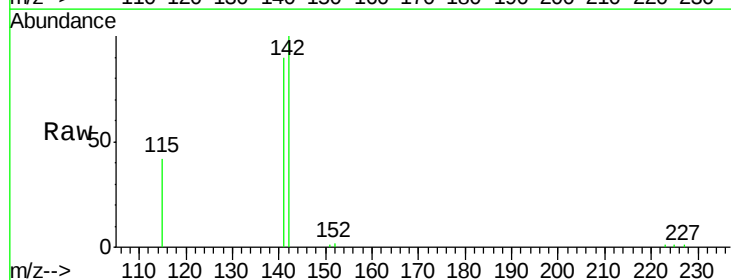
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#12
2-Methylnaphthalene
Concen: 0.207 ng
RT: 11.83 min Scan# 1006
Delta R.T. -0.00 min
Lab File: BN007357.D
Acq: 24 Aug 2019 09:26

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.9	72.8	109.2
115	42.2	35.2	52.8





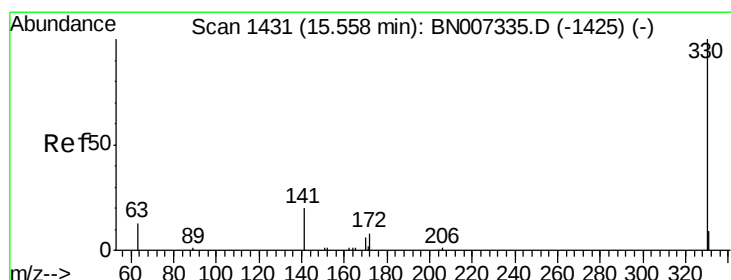
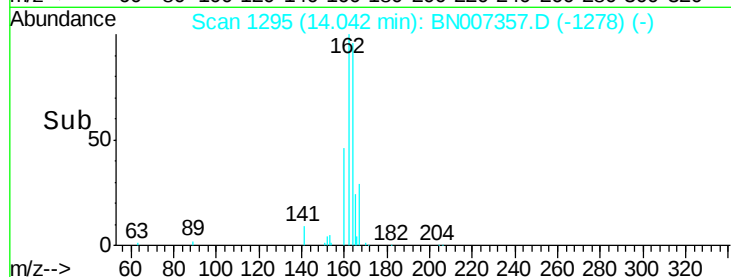
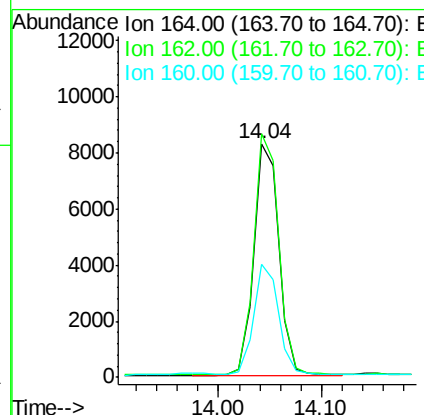
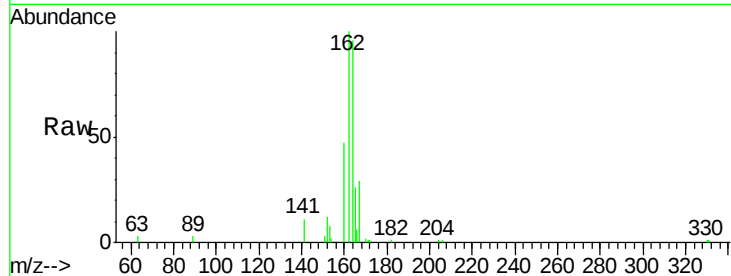
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.04 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BN007357.D
Acq: 24 Aug 2019 09:26

Instrument :
BNA_N
ClientSampleId :
EXT-034-SW091-080519-1DL

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.1	83.5	125.3	
160	48.5	38.2	57.4	

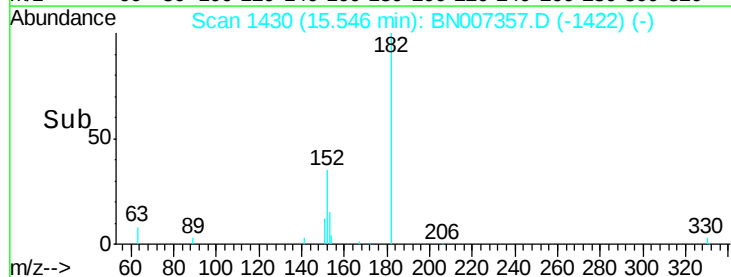
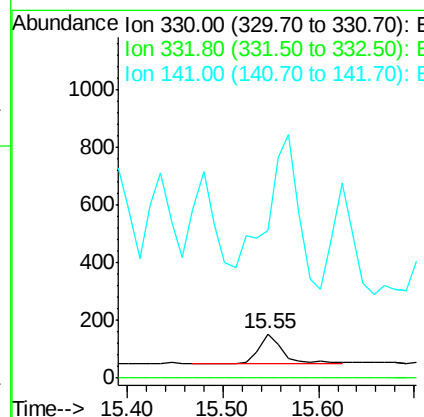
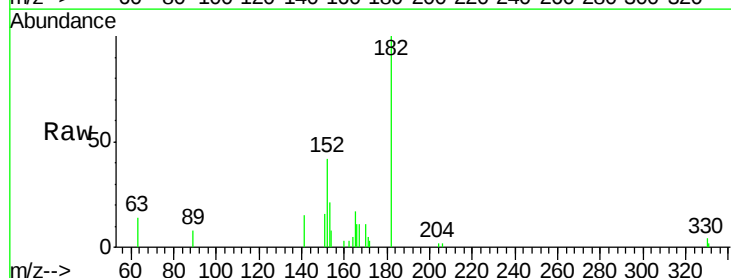
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#14
2,4,6-Tribromophenol
Concen: 0.025 ng
RT: 15.55 min Scan# 1430
Delta R.T. -0.01 min
Lab File: BN007357.D
Acq: 24 Aug 2019 09:26

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	0.0	0.0	0.0	
141	0.0	26.9	40.3	





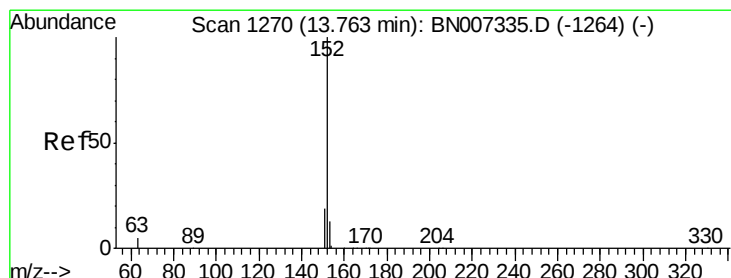
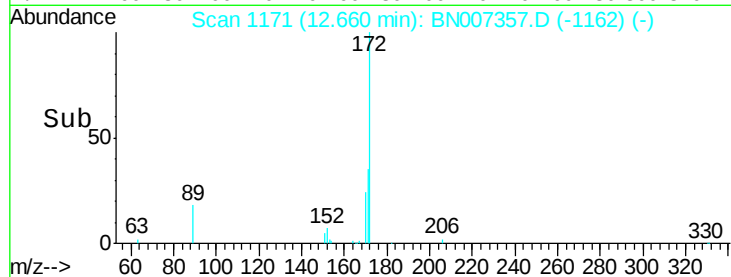
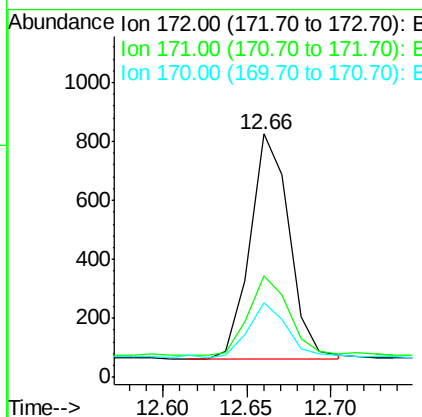
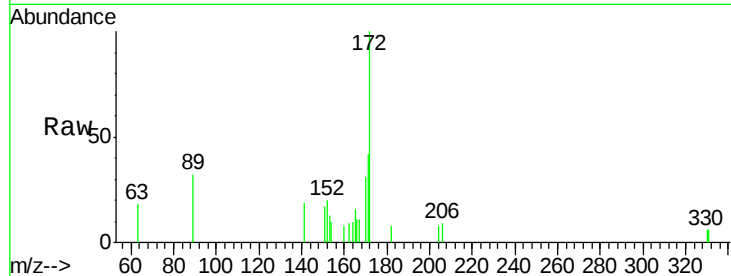
#15
2-Fluorobiphenyl
Concen: 0.022 ng
RT: 12.66 min Scan# 1171
Delta R.T. -0.00 min
Lab File: BN007357.D
Acq: 24 Aug 2019 09:26

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EXT-034-SW091-080519-1DL

Tot Ion:	172	Resp:	1252
Ion Ratio	Lower	Upper	
172	100		
171	41.8	30.3	45.5
170	30.5	20.7	31.1

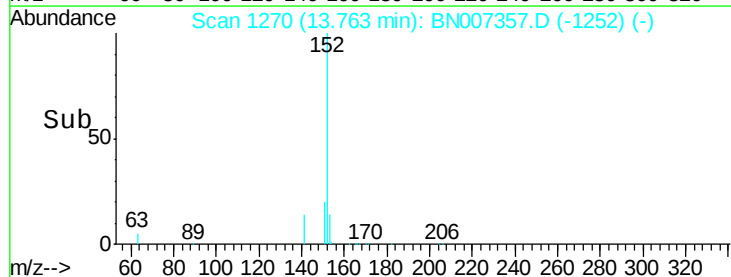
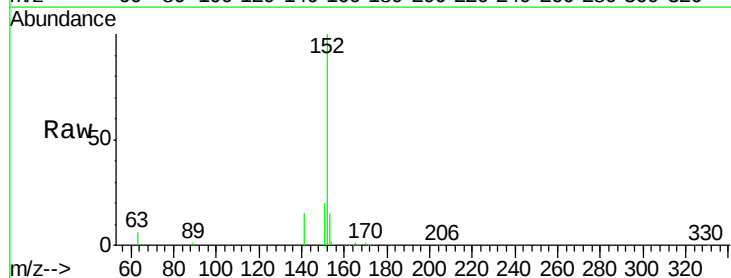
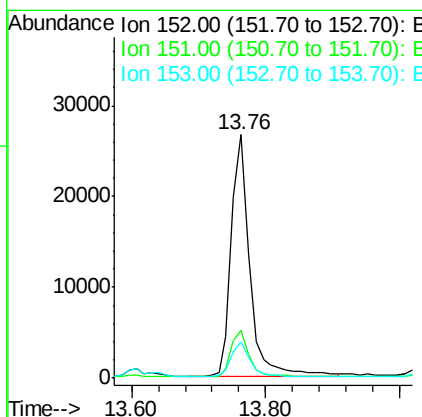
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#16
Acenaphthylene
Concen: 0.614 ng
RT: 13.76 min Scan# 1270
Delta R.T. -0.00 min
Lab File: BN007357.D
Acq: 24 Aug 2019 09:26

Tgt Ion:	152	Resp:	50568
Ion Ratio	Lower	Upper	
152	100		
151	19.9	16.1	24.1
153	14.7	10.6	15.8





#17

Acenaphthene

Concen: 0.230 ng

RT: 14.11 min Scan# 1301

Delta R.T. -0.00 min

Lab File: BN007357.D

Acq: 24 Aug 2019 09:26

Instrument :

BNA_N

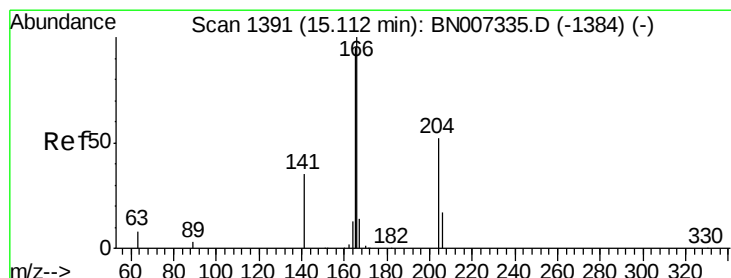
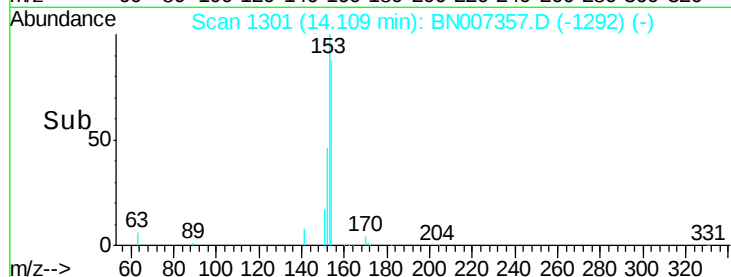
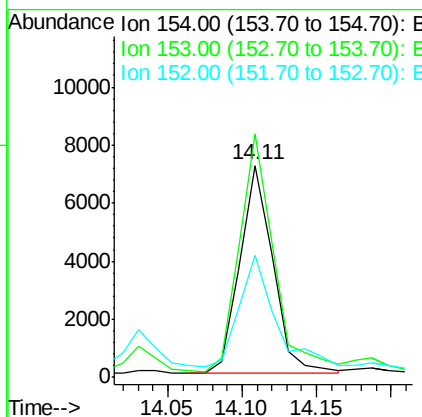
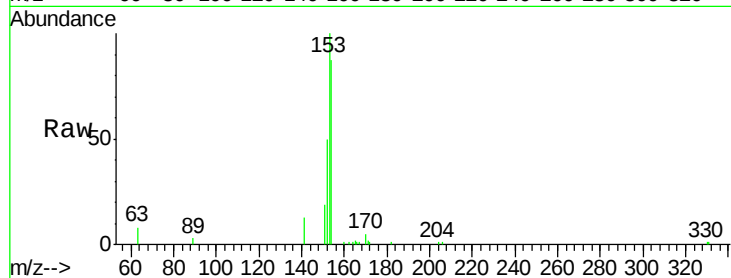
ClientSampleId :

EXT-034-SW091-080519-1DL

Tot Ion:	154	Resp:	11070
Ion Ratio	Lower	Upper	
154	100		
153	118.5	92.8	139.2
152	58.7	43.8	65.8

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#18

Fluorene

Concen: 0.361 ng

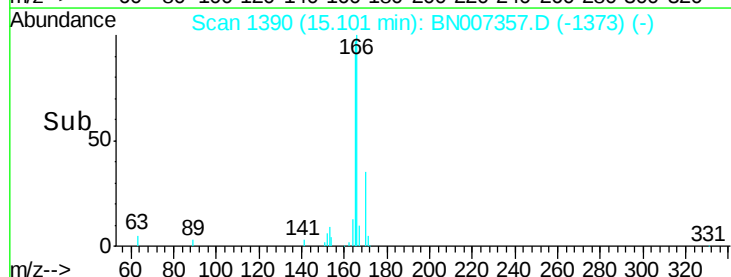
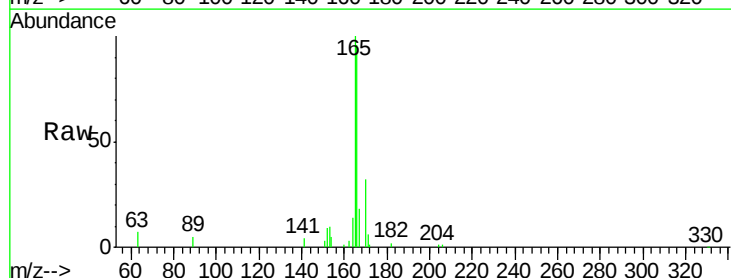
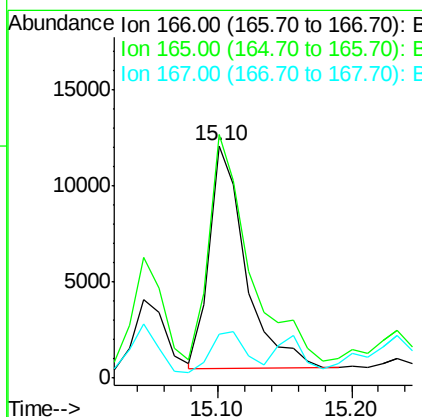
RT: 15.10 min Scan# 1390

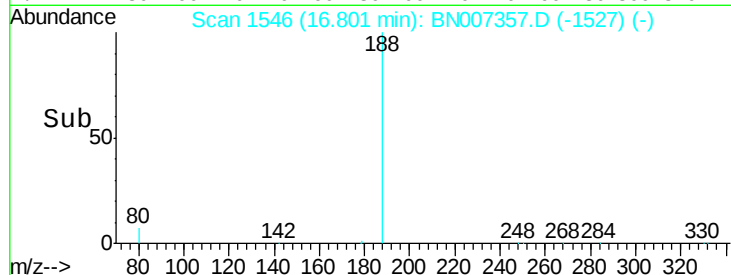
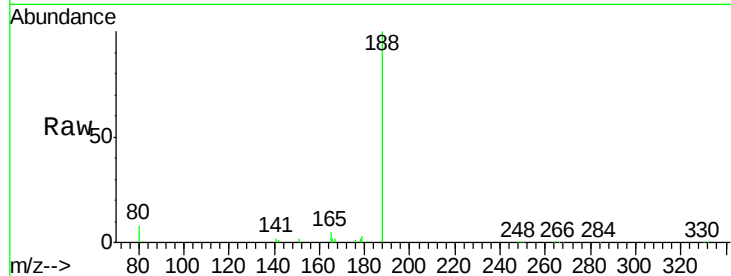
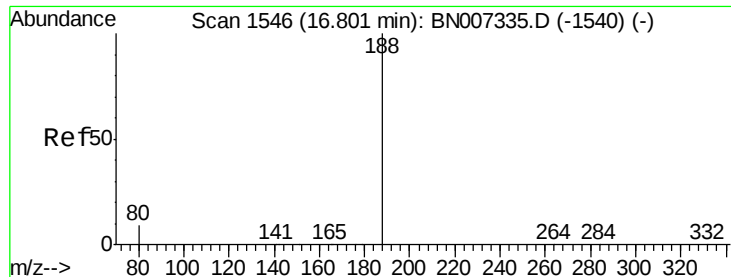
Delta R.T. -0.01 min

Lab File: BN007357.D

Acq: 24 Aug 2019 09:26

Tgt Ion:	166	Resp:	21996
Ion Ratio	Lower	Upper	
166	100		
165	111.1	79.0	118.4
167	18.1	10.6	15.8#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.80 min Scan# 1546

Delta R.T. -0.00 min

Lab File: BN007357.D

Acq: 24 Aug 2019 09:26

Instrument :

BNA_N

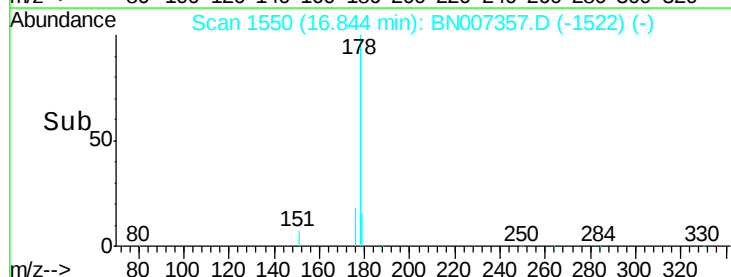
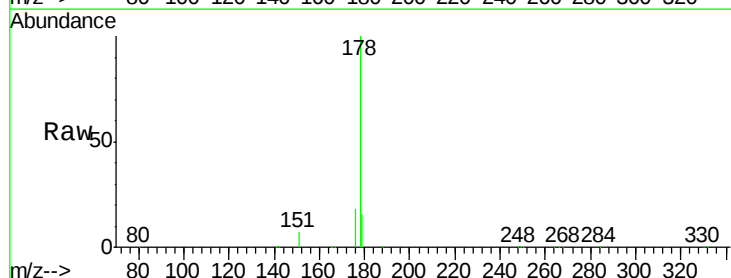
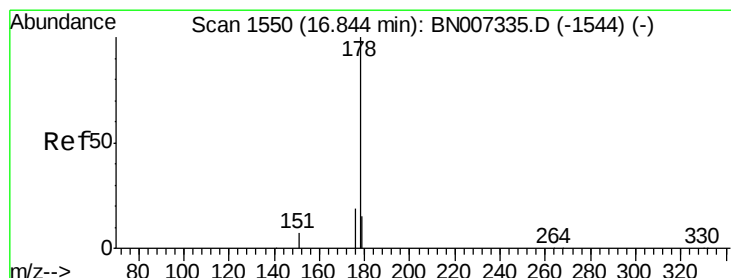
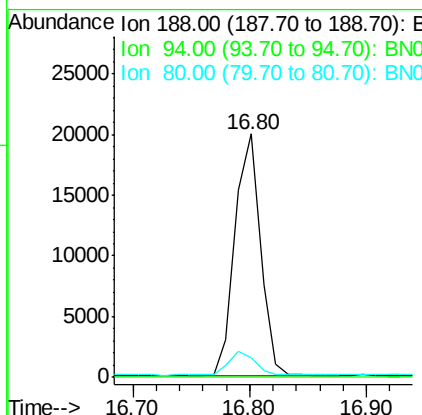
ClientSampleId :

EXT-034-SW091-080519-1DL

Tot Ion:	188	Resp:	30269
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	8.2	11.8	17.8#

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#23

Phenanthrene

Concen: 6.588 ng

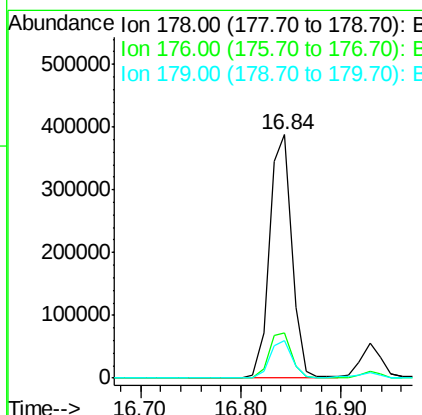
RT: 16.84 min Scan# 1550

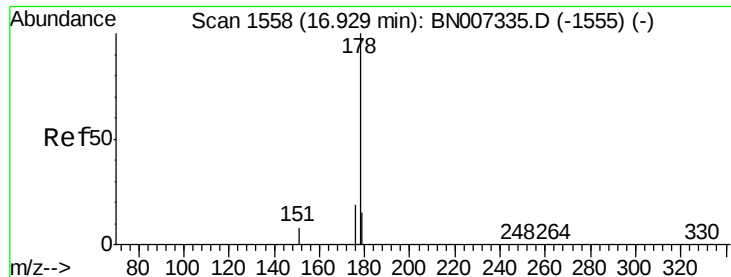
Delta R.T. -0.00 min

Lab File: BN007357.D

Acq: 24 Aug 2019 09:26

Tgt Ion:	178	Resp:	599866
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.3	22.9
179	15.5	12.6	19.0





#24

Anthracene

Concen: 0.818 ng

RT: 16.93 min Scan# 1558

Delta R.T. -0.00 min

Lab File: BN007357.D

Acq: 24 Aug 2019 09:26

Instrument :

BNA_N

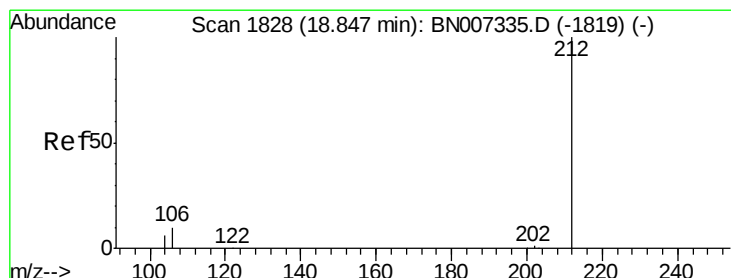
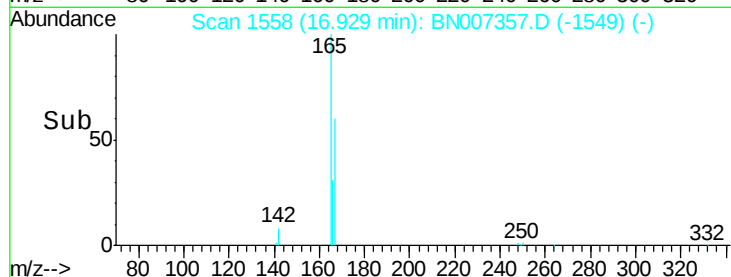
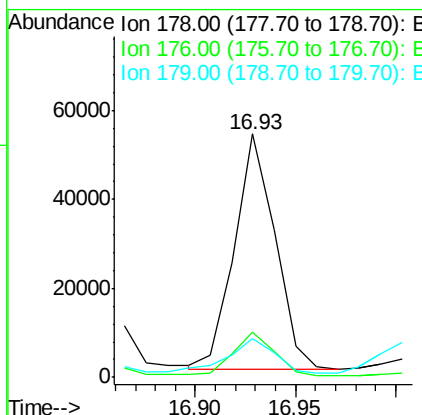
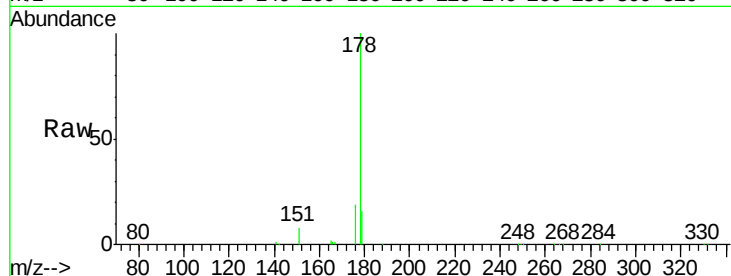
ClientSampleId :

EXT-034-SW091-080519-1DL

Tot Ion:178	Resp:	74917
Ion Ratio	Lower	Upper
178	100	
176	18.5	14.9 22.3
179	17.5	12.4 18.6

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#25

Fluoranthene-d10

Concen: 0.021 ng

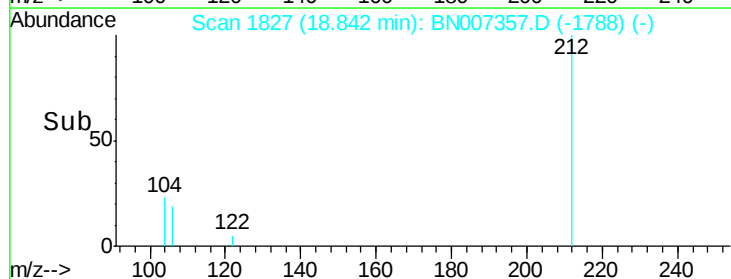
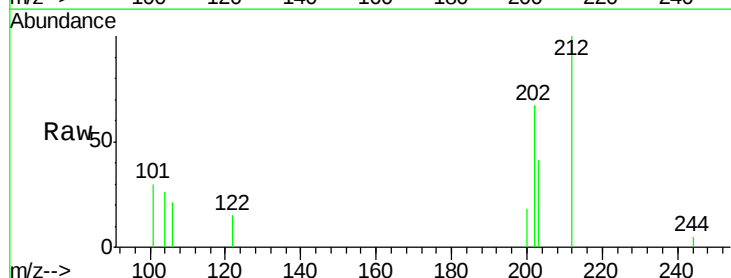
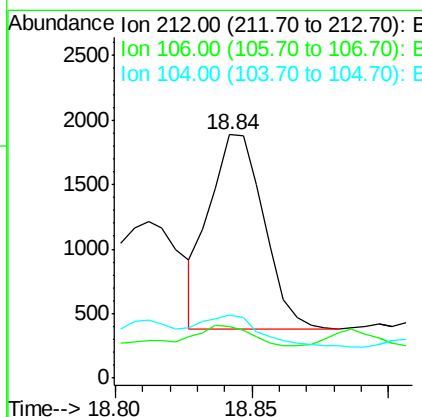
RT: 18.84 min Scan# 1827

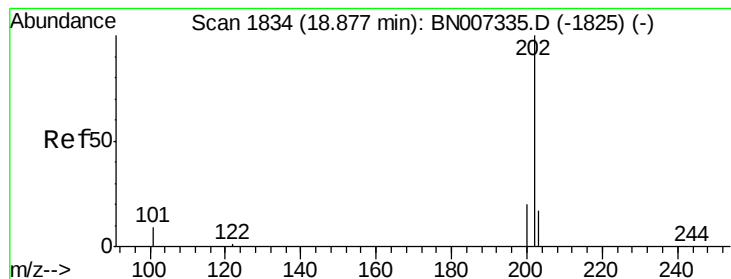
Delta R.T. -0.00 min

Lab File: BN007357.D

Acq: 24 Aug 2019 09:26

Tgt Ion:212	Resp:	2093
Ion Ratio	Lower	Upper
212	100	
106	16.8	9.0 13.4#
104	18.8	5.4 8.2#





#26

Fluoranthene

Concen: 5.438 ng

RT: 18.88 min Scan# 1834

Delta R.T. -0.00 min

Lab File: BN007357.D

Acq: 24 Aug 2019 09:26

Instrument :

BNA_N

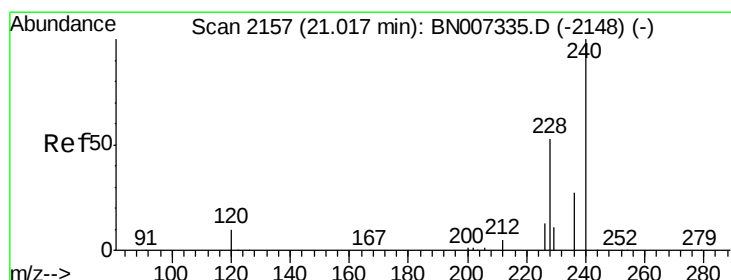
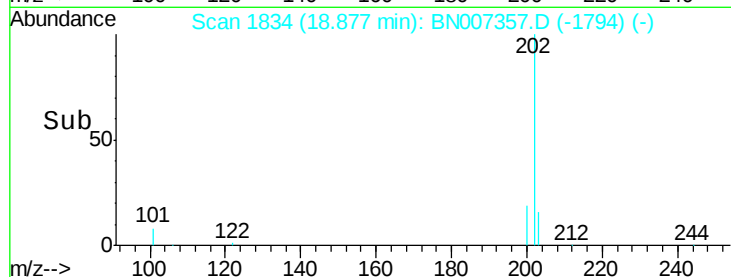
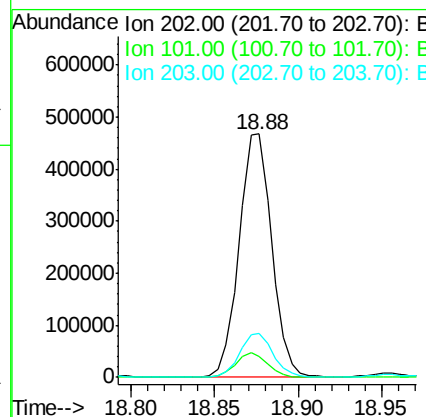
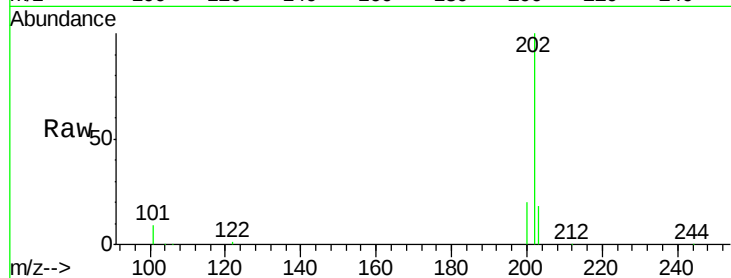
ClientSampleId :

EXT-034-SW091-080519-1DL

Tot Ion:	202	Resp:	635663
Ion Ratio	Lower	Upper	
202	100		
101	9.6	7.7	11.5
203	18.0	13.7	20.5

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#27

Chrysene-d12

Concen: 0.400 ng

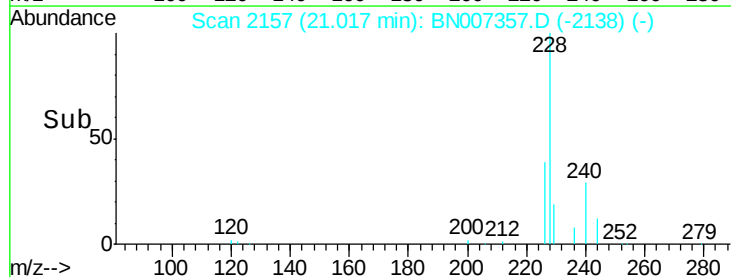
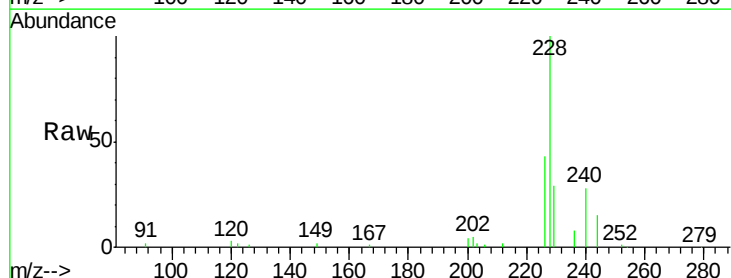
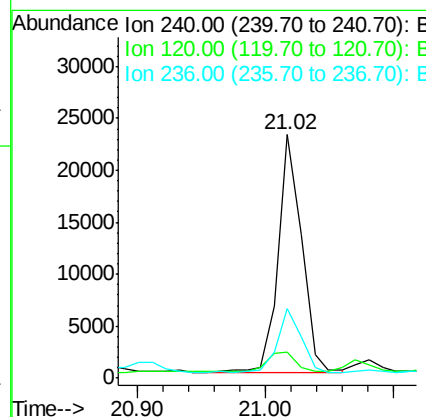
RT: 21.02 min Scan# 2157

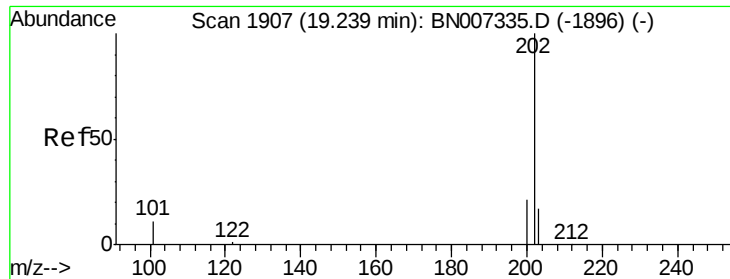
Delta R.T. -0.00 min

Lab File: BN007357.D

Acq: 24 Aug 2019 09:26

Tgt Ion:	240	Resp:	29423
Ion Ratio	Lower	Upper	
240	100		
120	10.7	9.6	14.4
236	28.6	22.2	33.2





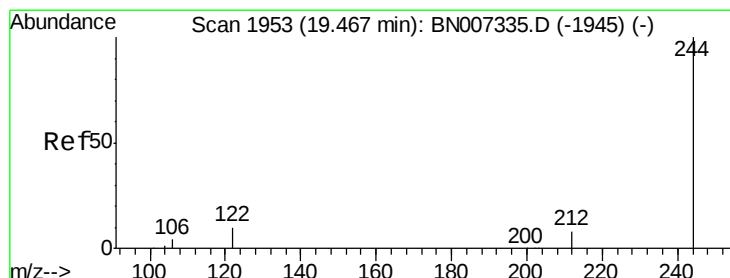
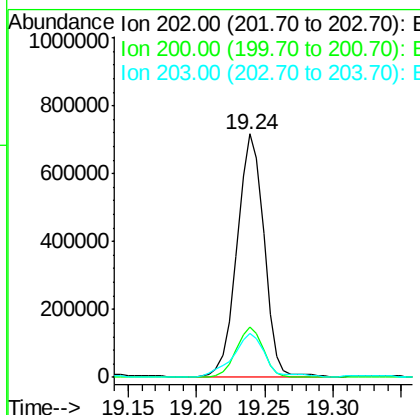
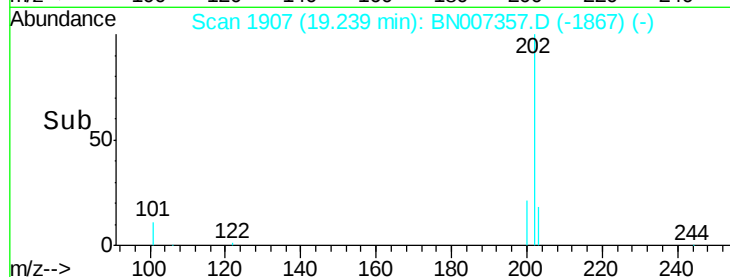
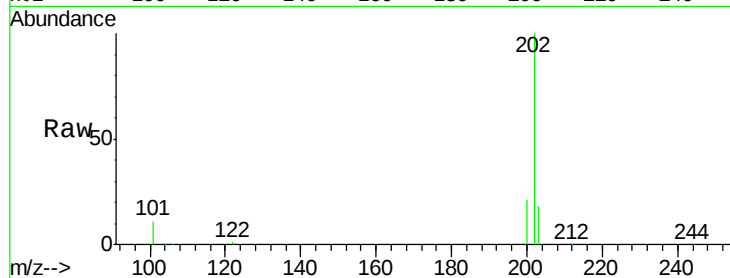
#28
Pvrene
Concen: 8.273 ng
RT: 19.24 min Scan# 1907
Delta R.T. -0.00 min
Lab File: BN007357.D
Acq: 24 Aug 2019 09:26

Instrument :
BNA_N
ClientSampleId :
EXT-034-SW091-080519-1DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.8	16.6	25.0	
203	20.5	14.2	21.4	

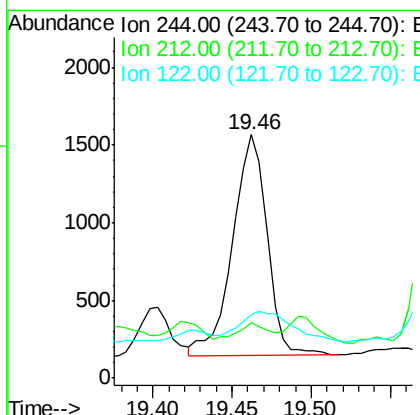
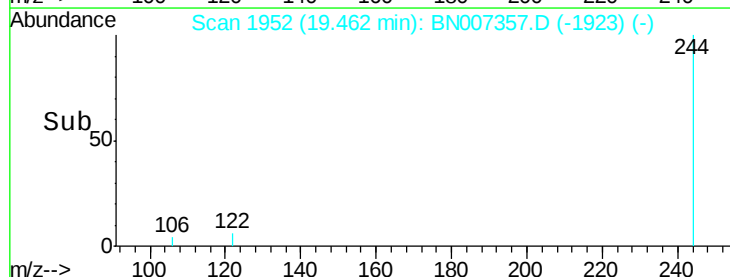
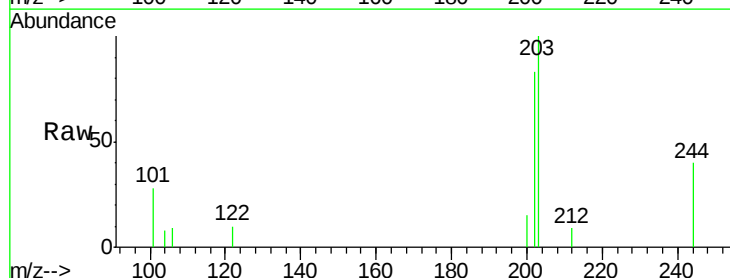
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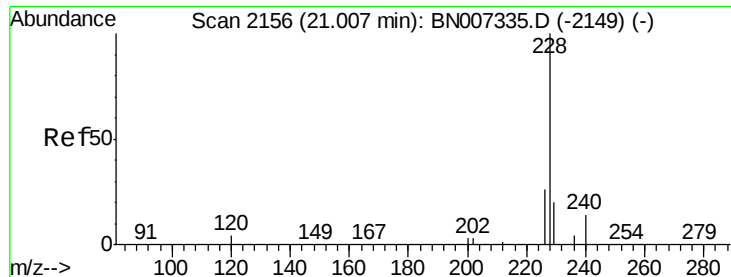
mohammad
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#29
Terphenyl-d14
Concen: 0.028 ng
RT: 19.46 min Scan# 1952
Delta R.T. -0.00 min
Lab File: BN007357.D
Acq: 24 Aug 2019 09:26

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	22.7	7.0	10.6#	
122	26.1	9.6	14.4#	





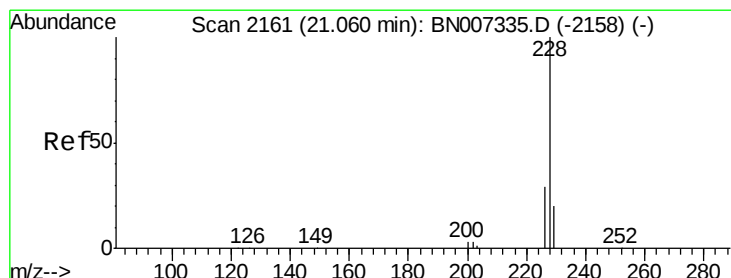
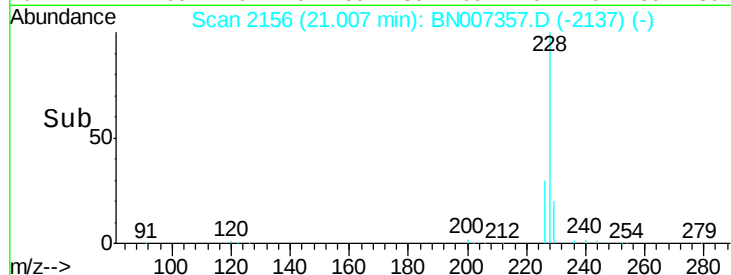
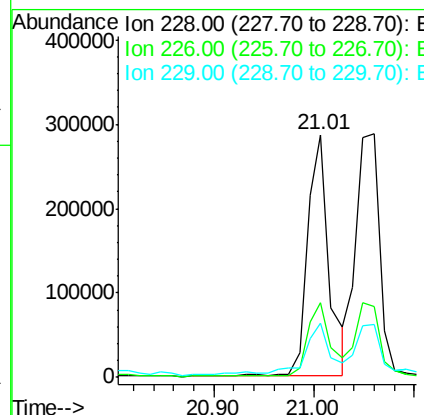
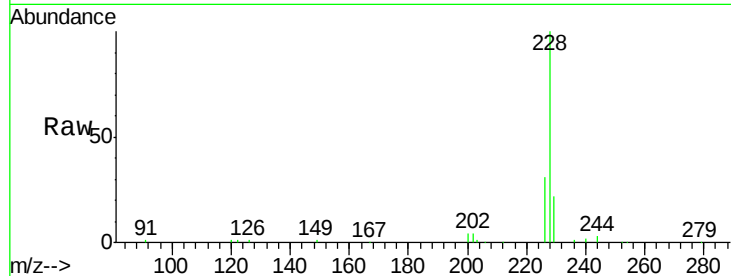
#30
Benzo(a)anthracene
Concen: 3.750 ng
RT: 21.01 min Scan# 2156
Delta R.T. -0.00 min
Lab File: BN007357.D
Acq: 24 Aug 2019 09:26

Instrument :
BNA_N
ClientSampleId :
EXT-034-SW091-080519-1DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	21.3	31.9
229	22.5	16.1	24.1

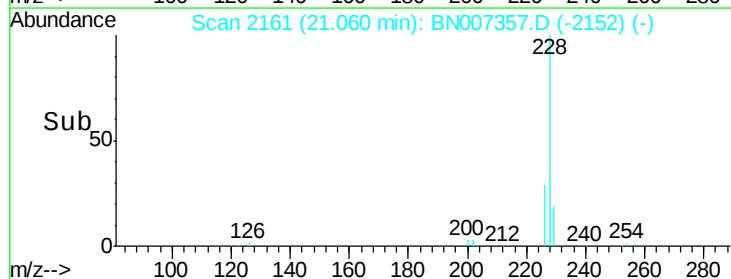
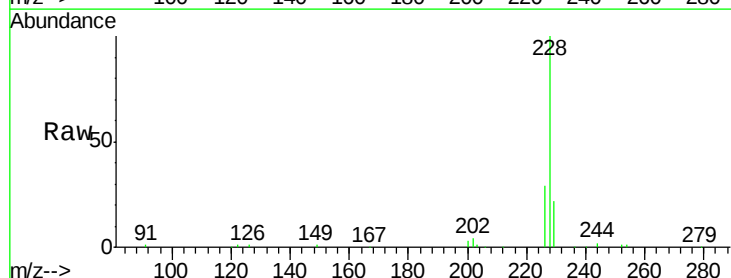
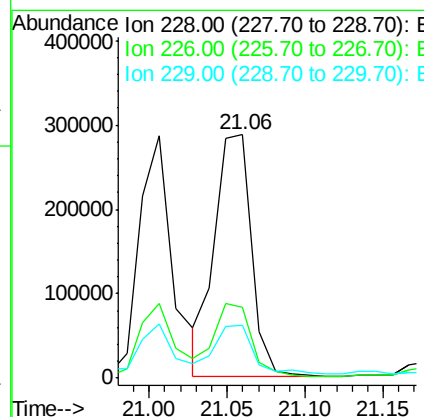
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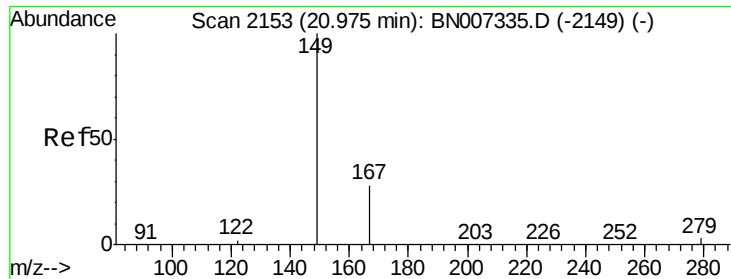
mohammad
8/29/2019 8:00:14 AM



#31
Chrysene
Concen: 4.197 ng
RT: 21.06 min Scan# 2161
Delta R.T. -0.00 min
Lab File: BN007357.D
Acq: 24 Aug 2019 09:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.5	35.3
229	22.0	16.6	24.8





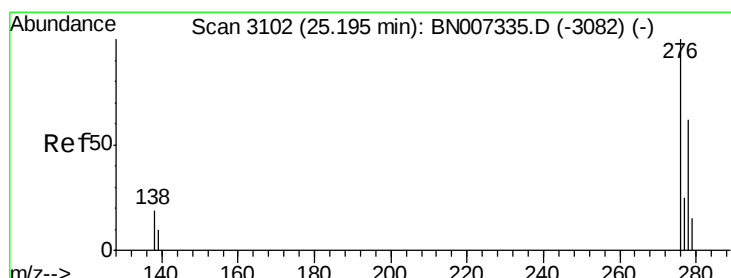
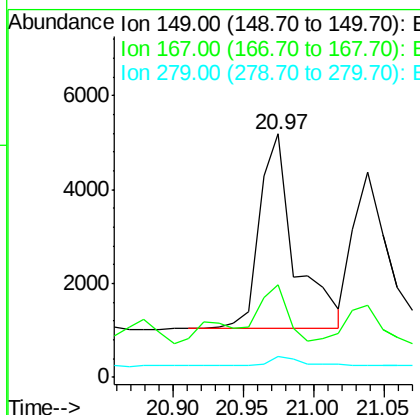
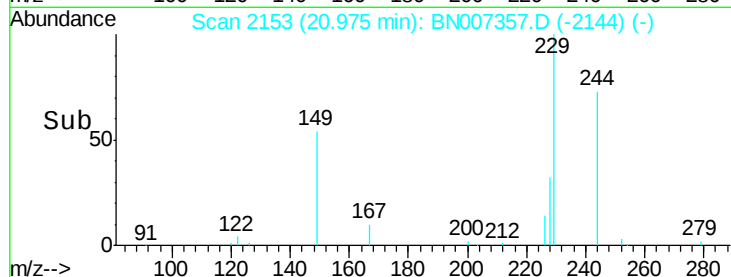
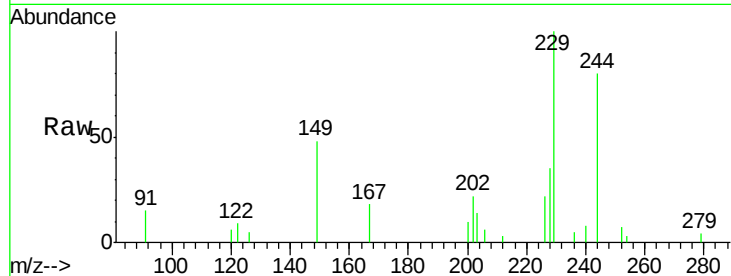
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.077 ng
 RT: 20.97 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: BN007357.D
 Acq: 24 Aug 2019 09:26

Instrument :
 BNA_N
 ClientSampleId :
 EXT-034-SW091-080519-1DL

Tot Ion	Ratio	Lower	Upper
149	100		
167	39.9	22.8	34.2
279	3.9	3.5	5.3

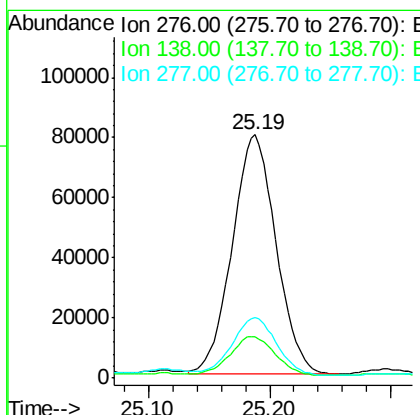
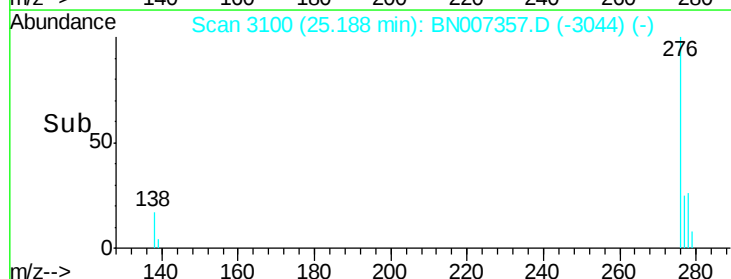
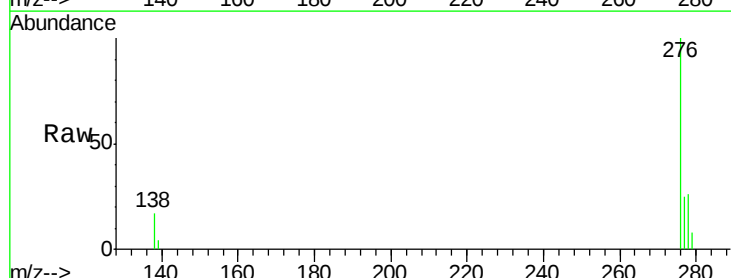
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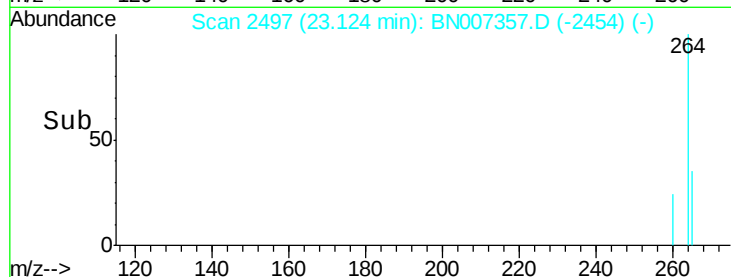
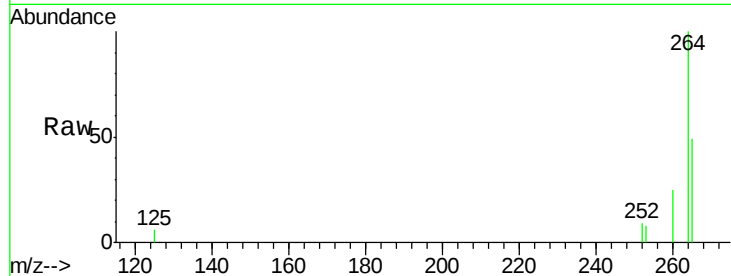
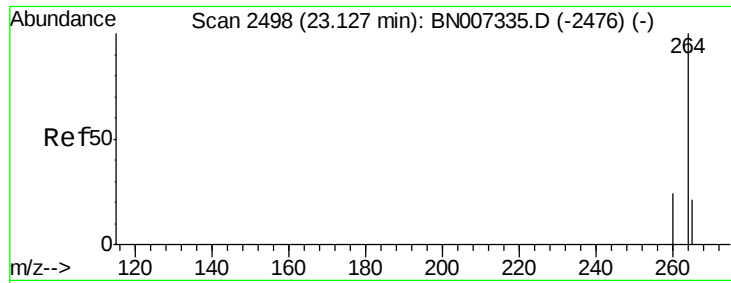
mohammad
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 1.488 ng
 RT: 25.19 min Scan# 3100
 Delta R.T. -0.01 min
 Lab File: BN007357.D
 Acq: 24 Aug 2019 09:26

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.1	15.1	22.7
277	24.9	19.7	29.5





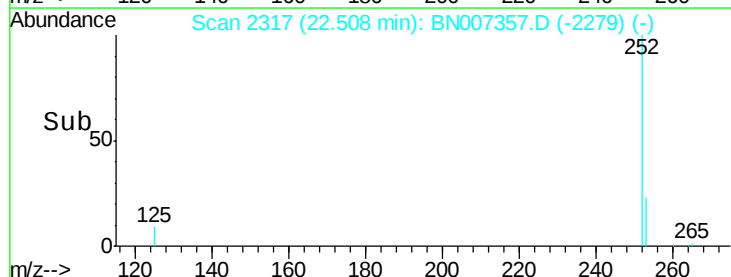
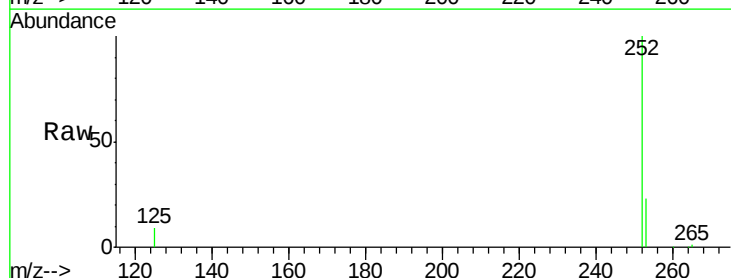
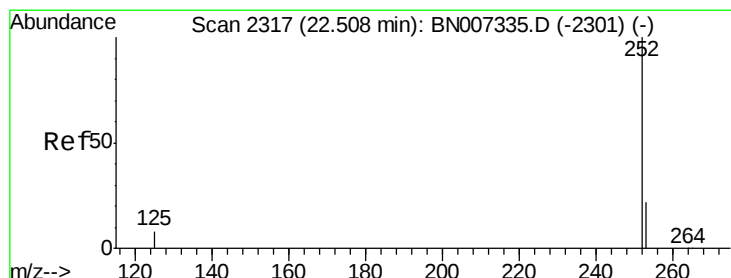
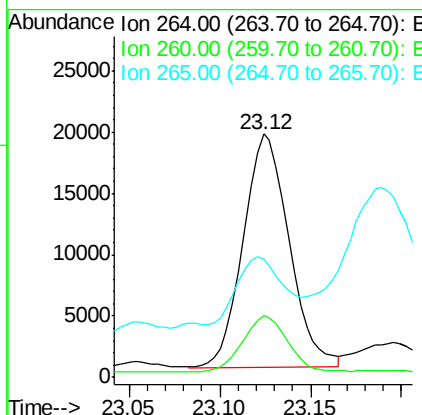
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.12 min Scan# 2497
 Delta R.T. -0.00 min
 Lab File: BN007357.D
 Acq: 24 Aug 2019 09:26

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.7	29.5
265	48.6	29.9	44.9

Instrument :
 BNA_N
 ClientSampleId :
 EXT-034-SW091-080519-1DL

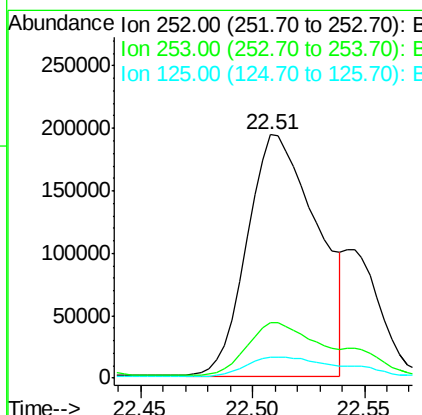
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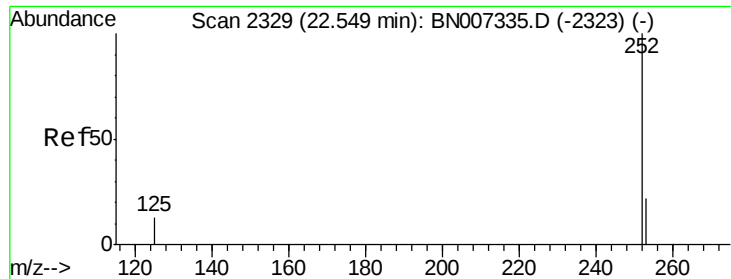
mohammad
 8/29/2019 8:00:14 AM



#35
 Benzo(b)fluoranthene
 Concen: 3.446 ng m
 RT: 22.51 min Scan# 2317
 Delta R.T. -0.00 min
 Lab File: BN007357.D
 Acq: 24 Aug 2019 09:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	19.2	28.8
125	8.6	10.6	16.0





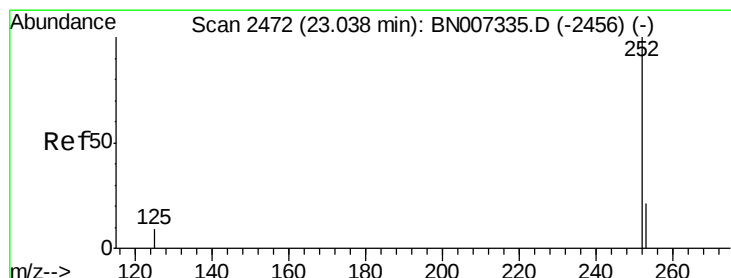
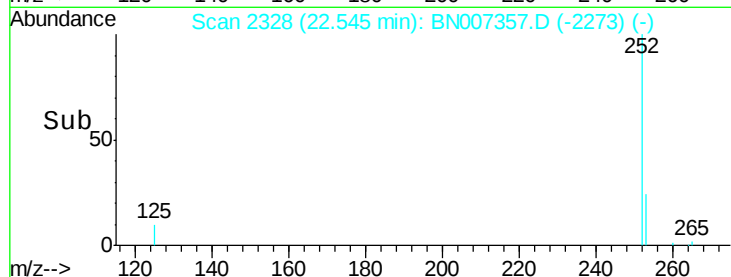
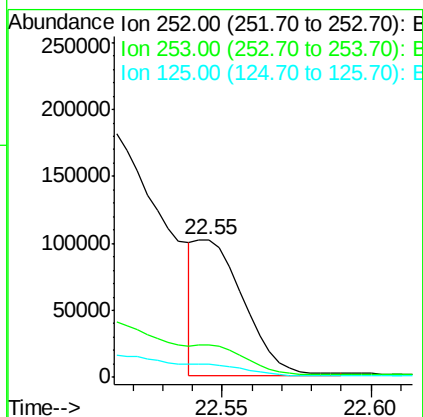
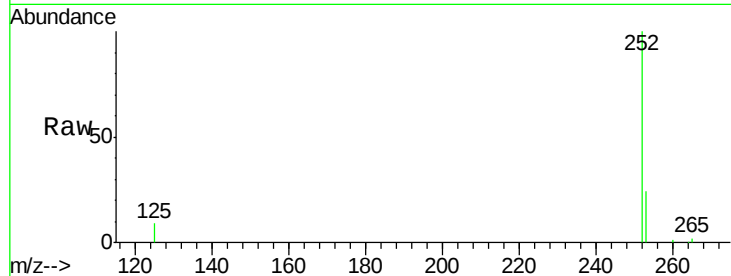
#36
Benzo(k)fluoranthene
Concen: 0.968 ng m
RT: 22.55 min Scan# 2328
Delta R.T. -0.00 min
Lab File: BN007357.D
Acq: 24 Aug 2019 09:26

Instrument :
BNA_N
ClientSampleId :
EXT-034-SW091-080519-1DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.4	29.2
125	9.5	13.1	19.7#

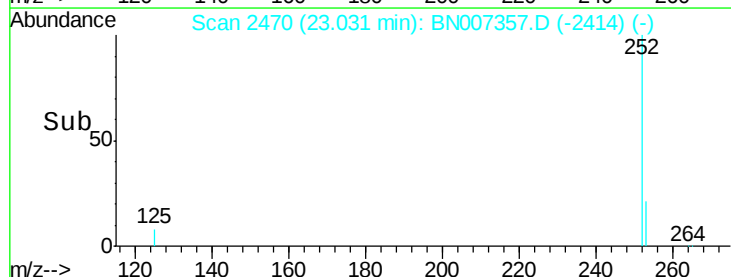
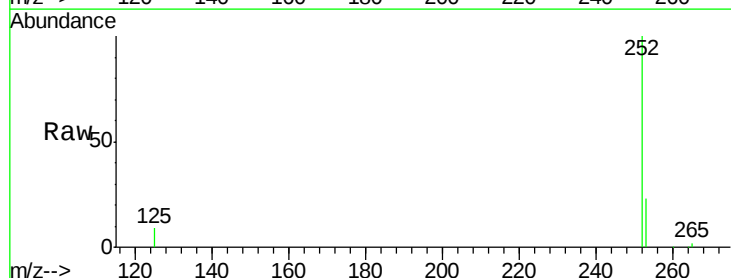
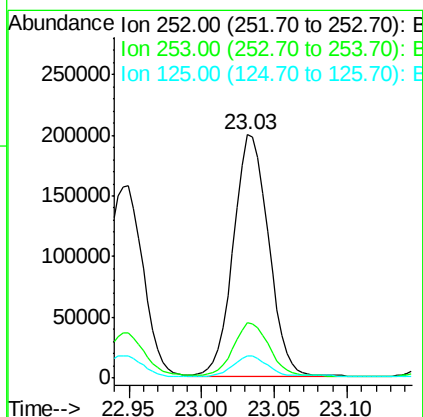
Manual Integrations
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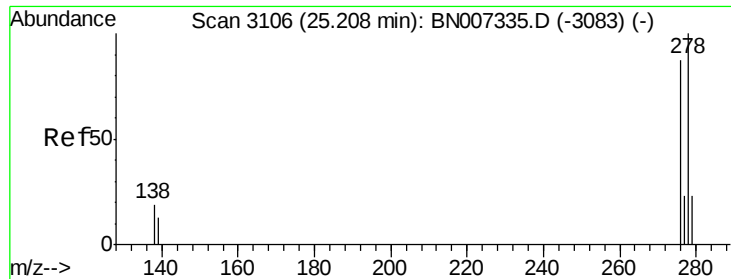
mohammad
8/29/2019 8:00:14 AM



#37
Benzo(a)pyrene
Concen: 2.865 ng m
RT: 23.03 min Scan# 2470
Delta R.T. -0.01 min
Lab File: BN007357.D
Acq: 24 Aug 2019 09:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	19.5	29.3
125	9.0	12.1	18.1#





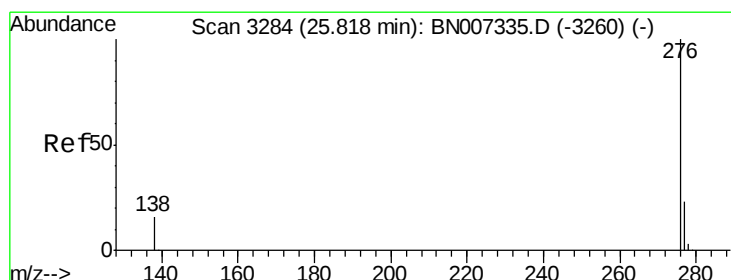
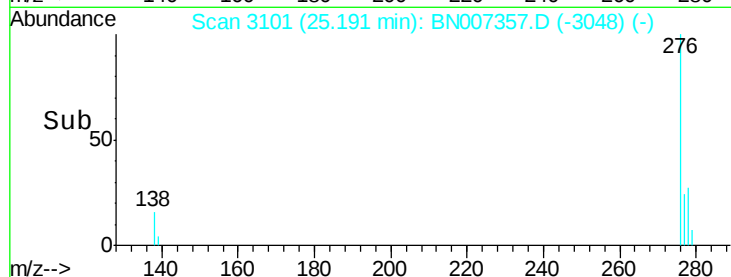
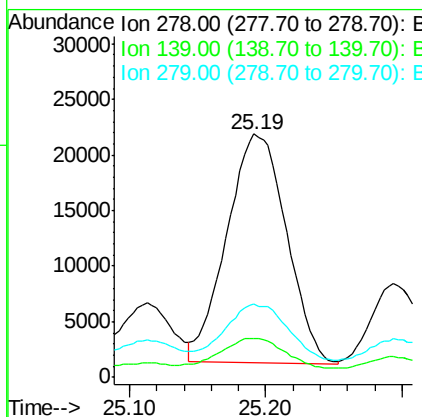
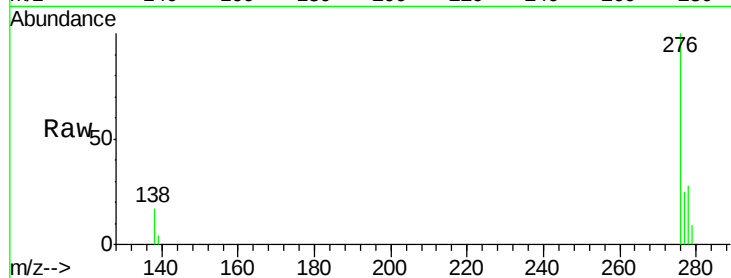
#38
Dibenzo(a,h)anthracene
Concen: 0.541 ng
RT: 25.19 min Scan# 3101
Delta R.T. -0.02 min
Lab File: BN007357.D
Acq: 24 Aug 2019 09:26

Instrument :
BNA_N
ClientSampleId :
EXT-034-SW091-080519-1DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.9	13.7	20.5
279	30.2	20.2	30.4

Manual Integrations
APPROVED

mohammad
8/29/2019 8:00:14 AM



#39
Benzo(g,h,i)perylene
Concen: 2.045 ng
RT: 25.81 min Scan# 3283
Delta R.T. -0.00 min
Lab File: BN007357.D
Acq: 24 Aug 2019 09:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.6	29.4
138	17.1	16.3	24.5

