

Data File : BN007209.D
Acq On : 15 Aug 2019 22:46
Operator : HP/JU
Sample : K4173-14DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW177-073119DL

Manual Integrations
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8/16/2019 6:11:56 PM

Quant Time: Aug 16 07:44:48 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 12:12:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	5520	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	20987	0.40	ng	0.00
12) Acenaphthene-d10	14.07	164	11849	0.40	ng	-0.01
18) Phenanthrene-d10	16.82	188	28254	0.40	ng	0.00
26) Chrysene-d12	21.03	240	29177	0.40	ng	-0.02
32) Perylene-d12	23.15	264	32218	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.05	112	918	0.07	ng	0.00
4) Phenol-d6	6.61	99	1191	0.07	ng	0.00
7) Nitrobenzene-d5	8.55	82	990	0.06	ng	-0.01
10) 2-Methylnaphthalene-d10	11.79	152	2180	0.06	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	363	0.06	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	532	0.03	ng	0.00
24) Fluoranthene-d10	18.86	212	6052	0.06	ng	0.00
28) Terphenyl-d14	19.48	244	4812	0.06	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Naphthalene	10.23	128	3544	0.060	ng	# 90
11) 2-Methylnaphthalene	11.86	142	3115	0.075	ng	# 92
15) Acenaphthylene	13.79	152	46112	0.745	ng	100
16) Acenaphthene	14.13	154	4113	0.104	ng	94
17) Fluorene	15.12	166	8993	0.151	ng	# 78
21) Pentachlorophenol	16.48	266	353	0.056	ng	# 87
22) Phenanthrene	16.86	178	160063	1.890	ng	100
23) Anthracene	16.95	178	42227	0.546	ng	98
25) Fluoranthene	18.89	202	398487	3.679	ng	99
27) Pyrene	19.26	202	421173	4.116	ng	# 96
29) Benzo(a)anthracene	21.02	228	215026m	2.015	ng	
30) Chrysene	21.08	228	233218	2.250	ng	97
31) Indeno(1,2,3-cd)pyrene	25.23	276	162022	1.418	ng	98
33) Benzo(b)fluoranthene	22.53	252	324805	2.940	ng	99
34) Benzo(k)fluoranthene	22.57	252	90137m	0.826	ng	
35) Benzo(a)pyrene	23.06	252	210228	2.099	ng	100
36) Dibenzo(a,h)anthracene	25.24	278	39092	0.391	ng	# 86
37) Benzo(g,h,i)perylene	25.86	276	171535	1.669	ng	99

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

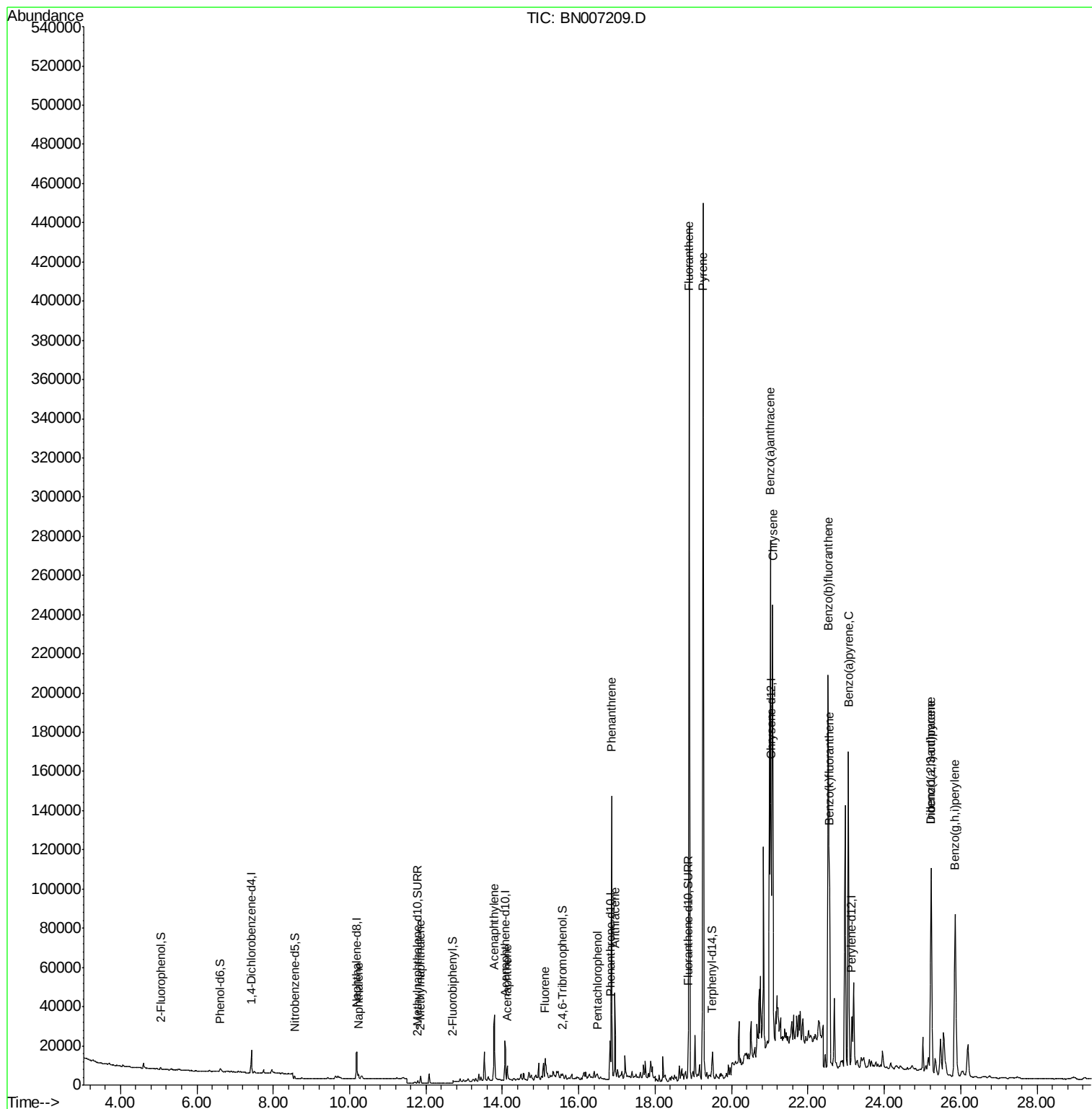
Data File : BN007209.D
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#1

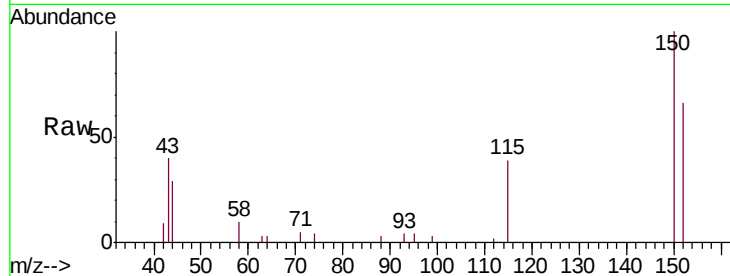
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW177-073119DL

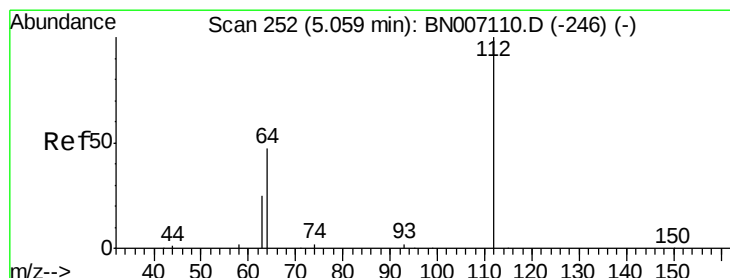
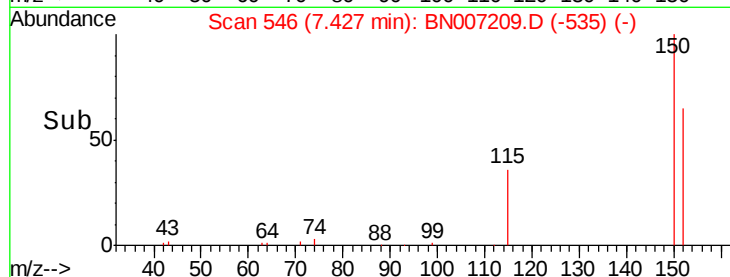
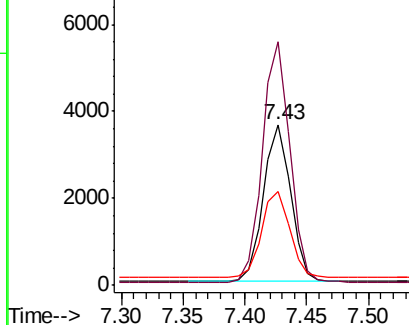
Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.3	121.7	182.5
115	58.6	46.2	69.4

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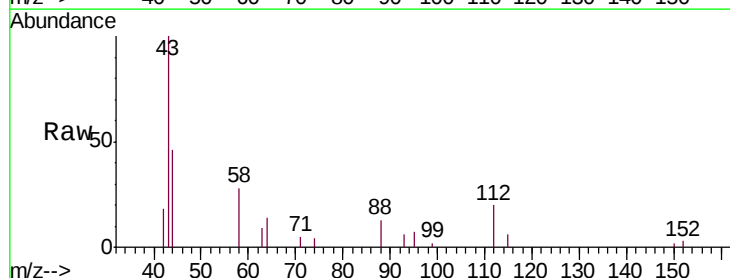
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



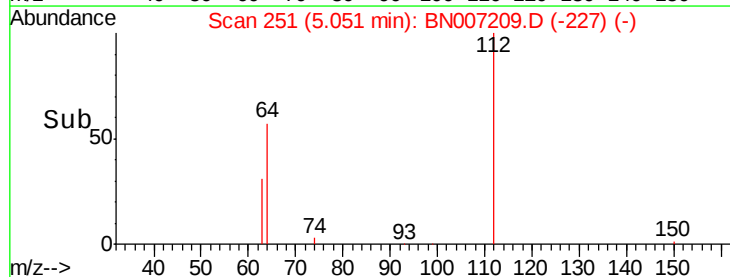
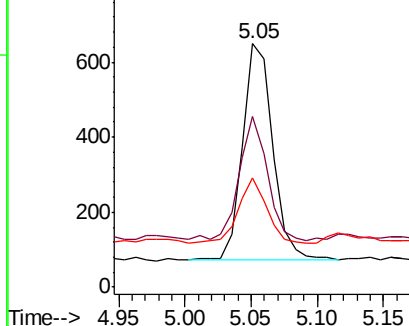
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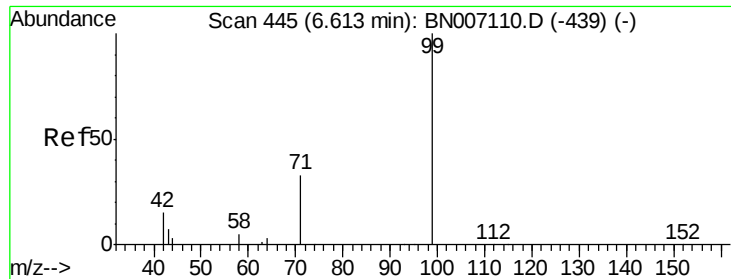
2-Fluorophenol
Concen: 0.069 ng
RT: 5.05 min Scan# 251
Delta R.T. -0.01 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.3	42.6	63.8
63	28.4	22.2	33.2



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





#4

Phenol-d6

Concen: 0.072 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007209.D

Acq: 15 Aug 2019 22:46

Instrument :

BNA_N

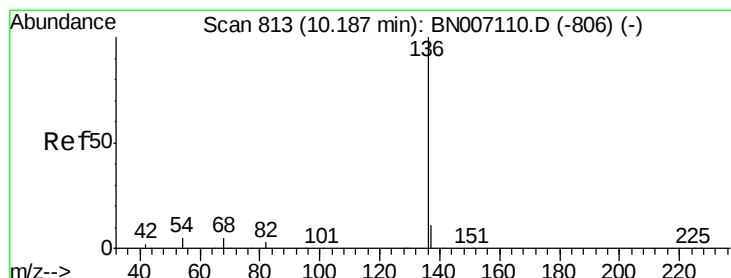
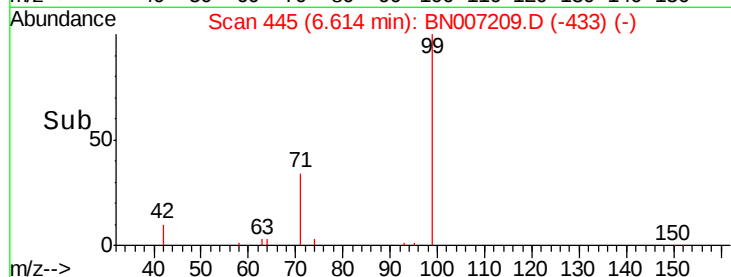
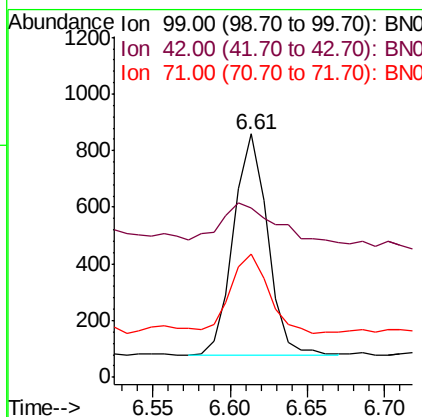
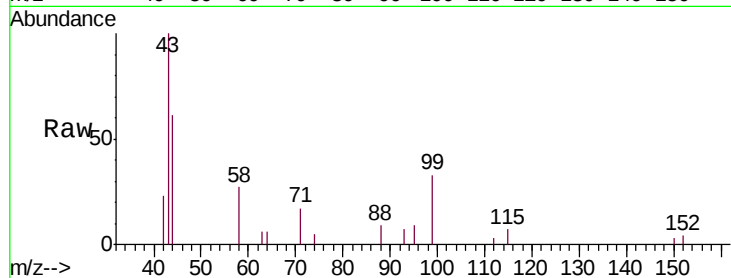
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
99	100		
42	41.4	15.8	23.6#
71	41.9	27.0	40.4#

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#6

Naphthalene-d8

Concen: 0.400 ng

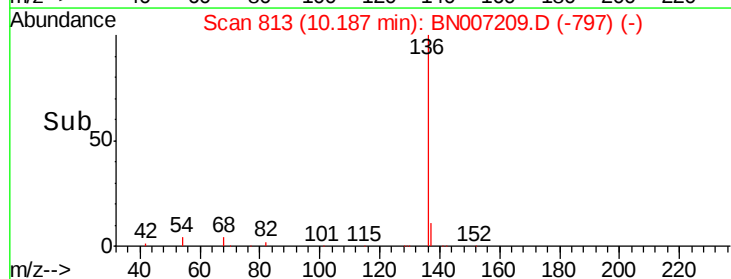
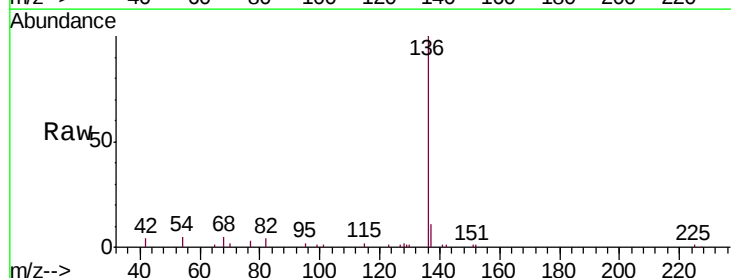
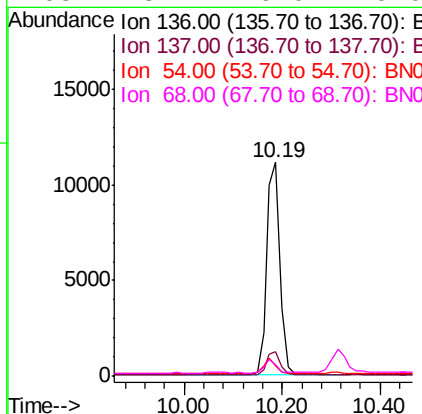
RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007209.D

Acq: 15 Aug 2019 22:46

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.4	14.0
54	5.0	6.6	9.8#
68	5.2	6.0	9.0#





#7

Nitrobenzene-d5

Concen: 0.059 ng

RT: 8.55 min Scan# 684

Delta R.T. -0.01 min

Lab File: BN007209.D

Acq: 15 Aug 2019 22:46

Instrument :

BNA_N

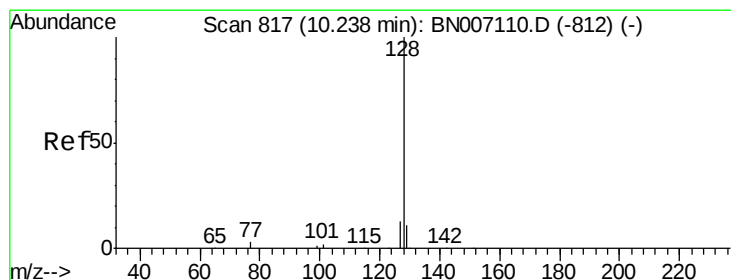
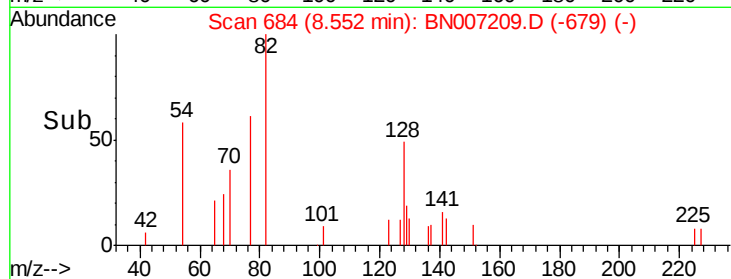
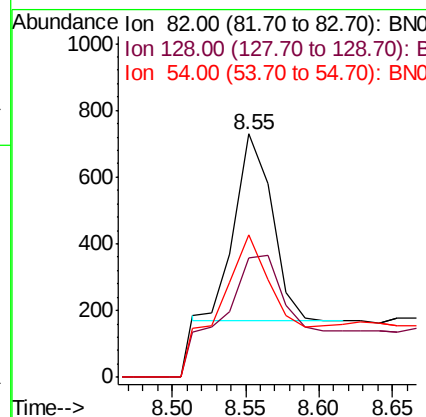
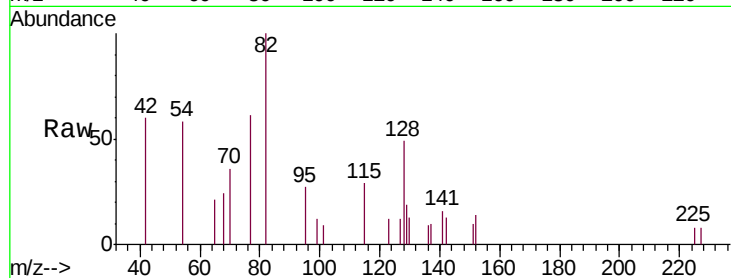
ClientSampleId :

EXT-032-SW177-073119DL

Tgt Ion:	82	Resp:	990
Ion Ratio	Lower	Upper	
82	100		
128	49.1	34.6	51.8
54	58.4	36.2	54.4#

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#8

Naphthalene

Concen: 0.060 ng

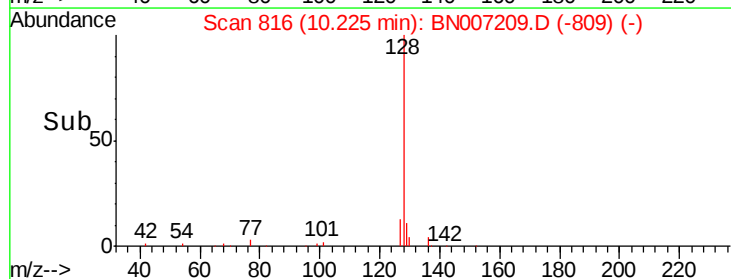
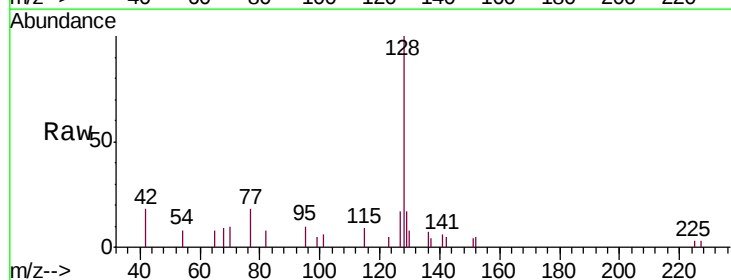
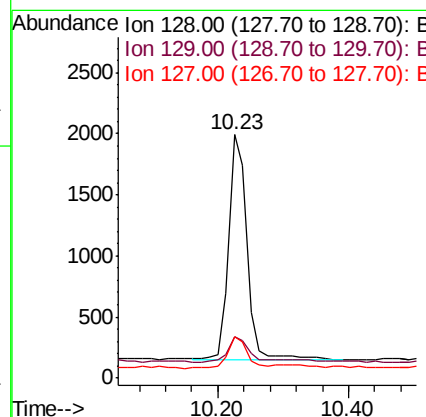
RT: 10.23 min Scan# 816

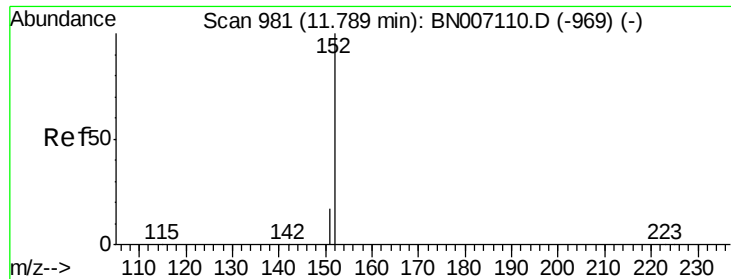
Delta R.T. -0.01 min

Lab File: BN007209.D

Acq: 15 Aug 2019 22:46

Tgt Ion:	128	Resp:	3544
Ion Ratio	Lower	Upper	
128	100		
129	16.9	9.4	14.2#
127	16.8	11.0	16.6#





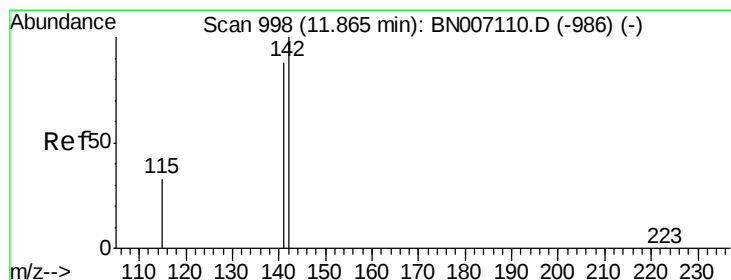
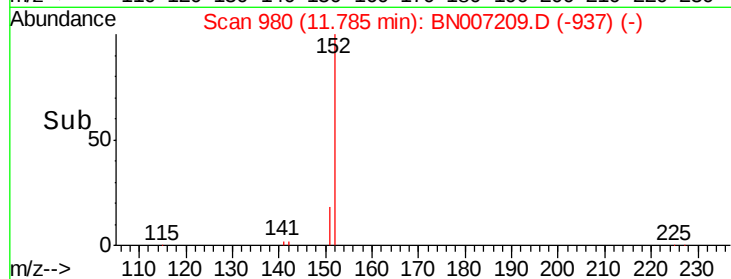
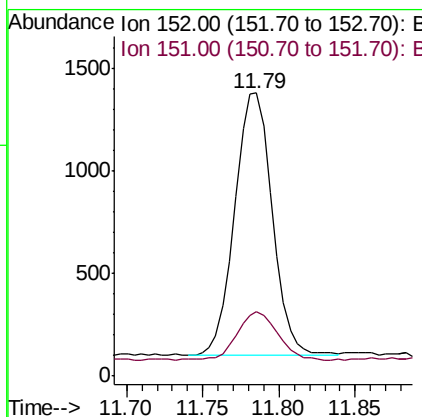
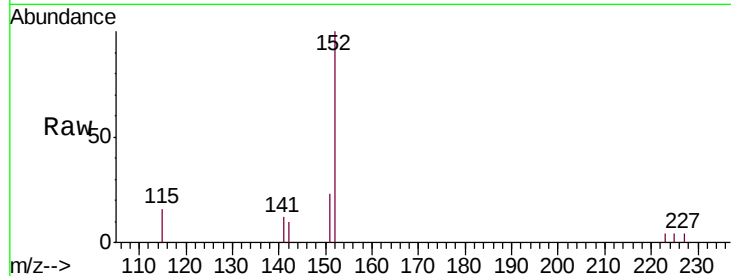
#10
2-Methylnaphthalene-d10
Concen: 0.056 ng
RT: 11.79 min Scan# 980
Delta R.T. -0.01 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW177-073119DL

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.5	23.3

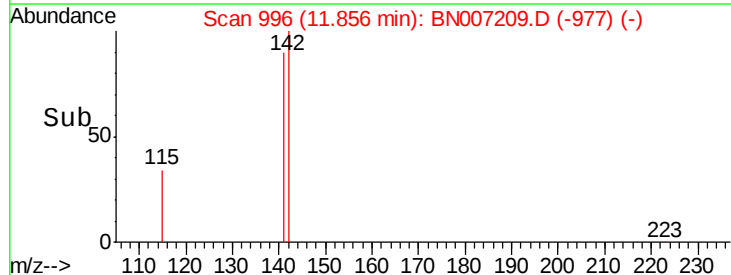
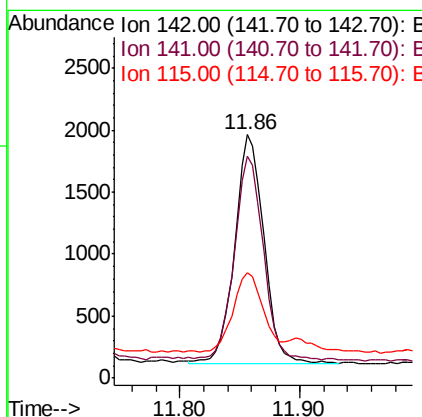
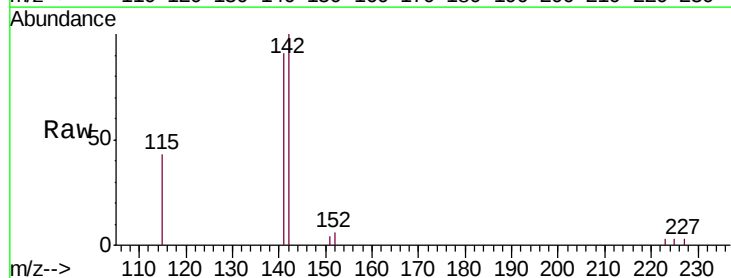
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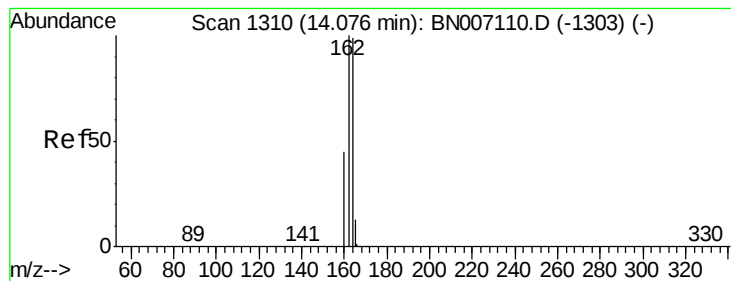
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#11
2-Methylnaphthalene
Concen: 0.075 ng
RT: 11.86 min Scan# 996
Delta R.T. -0.01 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.2	69.0	103.6
115	43.3	27.1	40.7#





#12

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.07 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BN007209.D

Acq: 15 Aug 2019 22:46

Instrument :

BNA_N

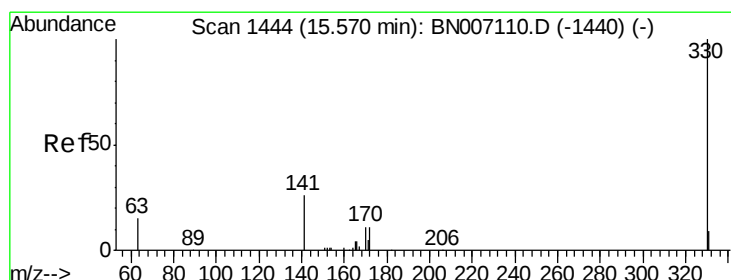
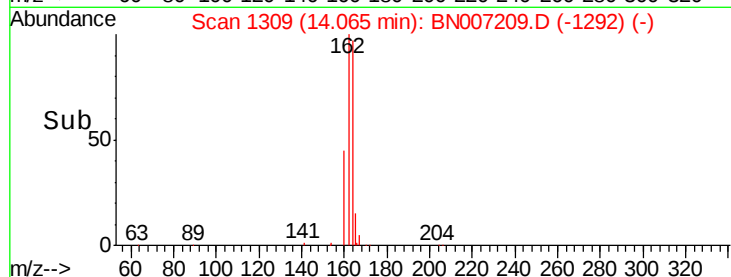
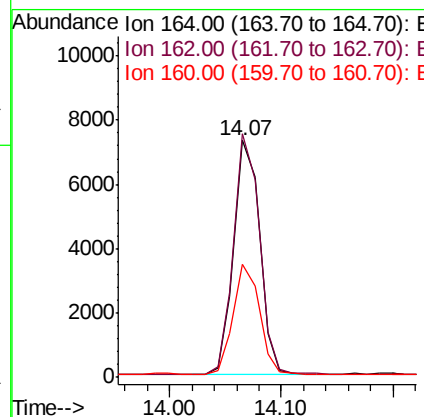
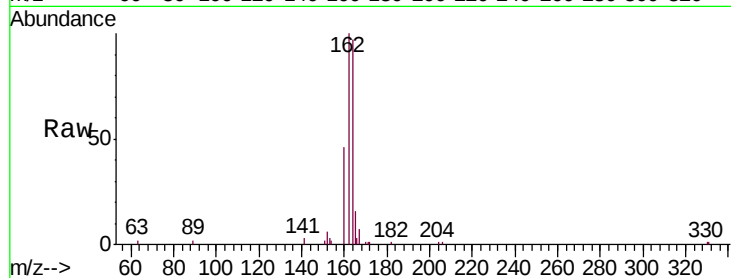
ClientSampleId :

EXT-032-SW177-073119DL

Tgt Ion:	164	Resp:	11849
Ion Ratio	Lower	Upper	
164	100		
162	102.9	82.2	123.4
160	47.6	38.3	57.5

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#13

2,4,6-Tribromophenol

Concen: 0.057 ng

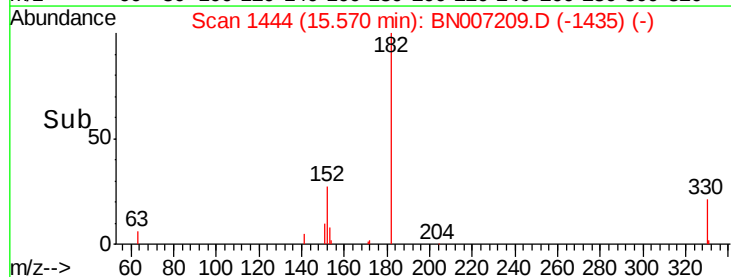
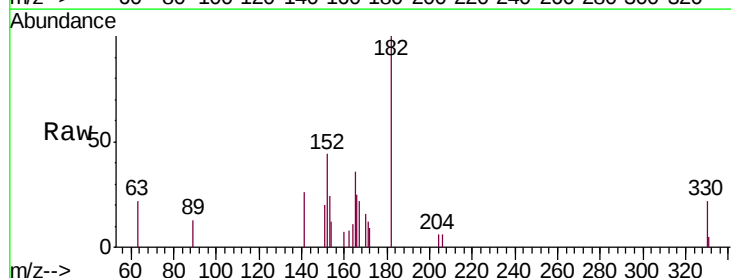
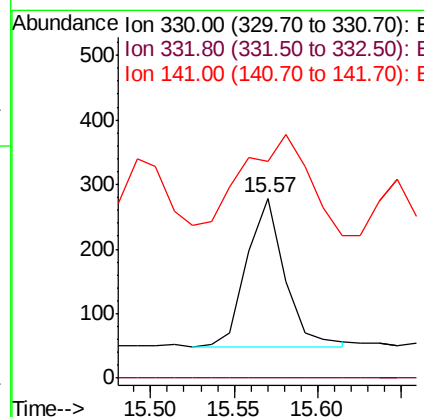
RT: 15.57 min Scan# 1444

Delta R.T. -0.00 min

Lab File: BN007209.D

Acq: 15 Aug 2019 22:46

Tgt Ion:	330	Resp:	363
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	118.7	33.6	50.4#





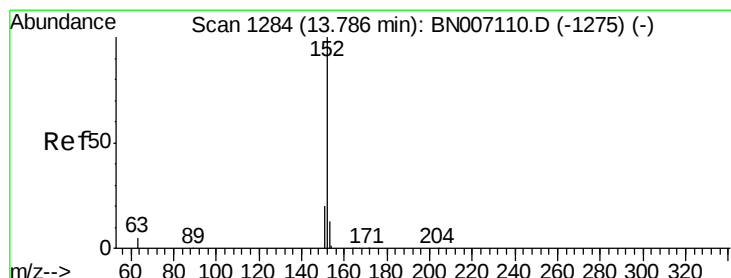
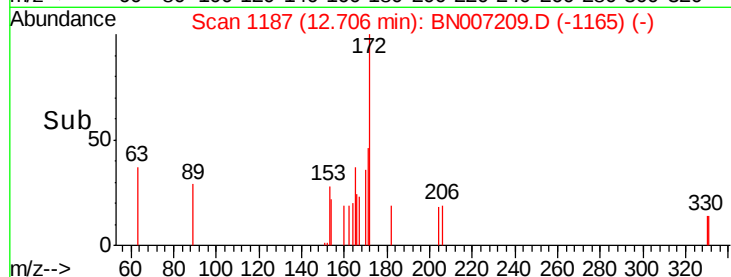
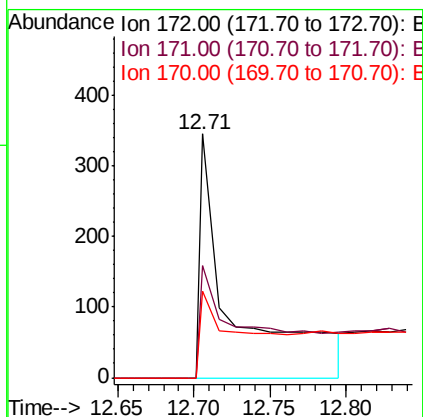
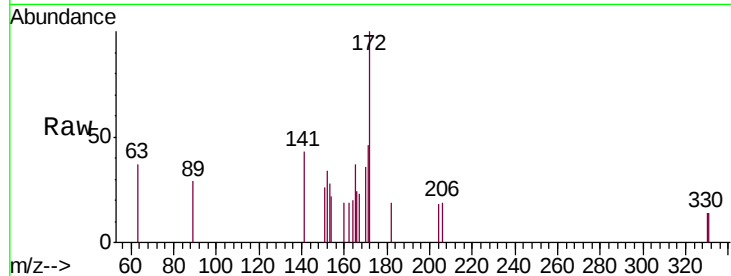
#14
2-Fluorobiphenyl
Concen: 0.031 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Instrument :
BNA_N
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EXT-032-SW177-073119DL

Tgt Ion	Ratio	Lower	Upper
172	100		
171	46.1	26.3	39.5#
170	35.7	17.0	25.4#

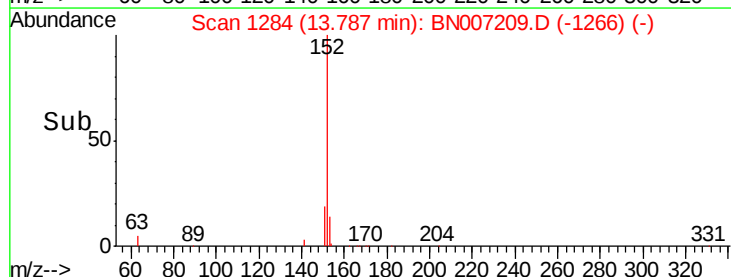
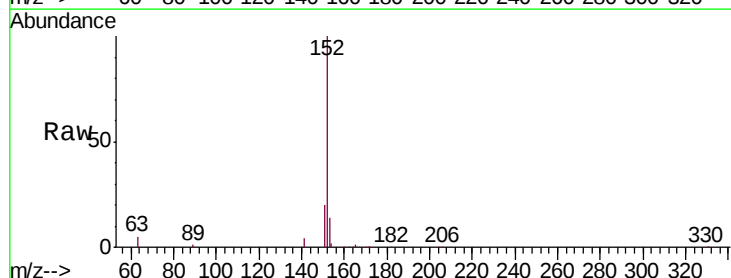
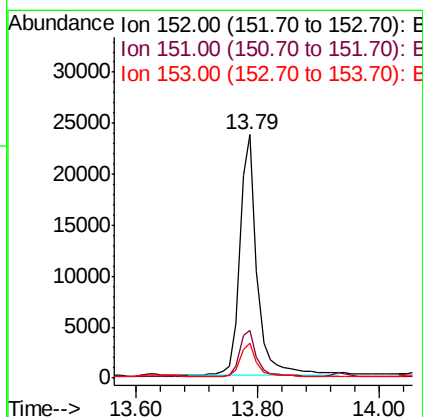
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#15
Acenaphthylene
Concen: 0.745 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.6
153	13.2	10.4	15.6





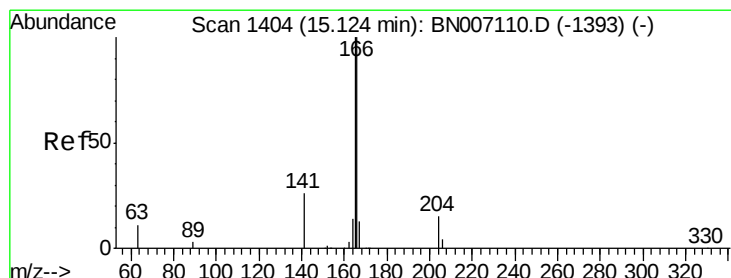
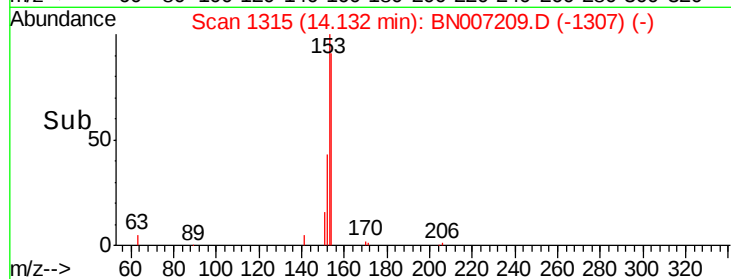
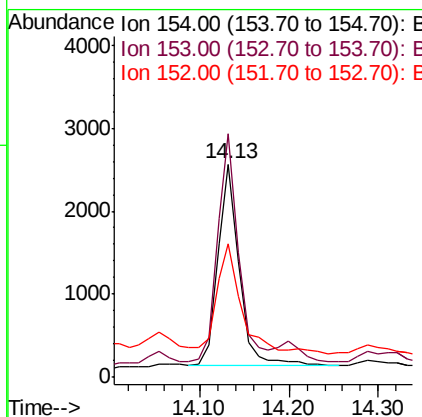
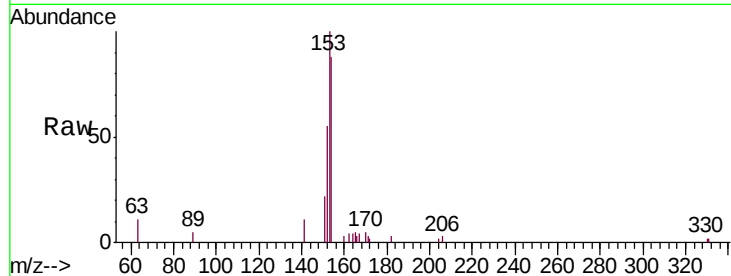
#16
Acenaphthene
Concen: 0.104 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW177-073119DL

Tgt Ion	Ratio	Lower	Upper
154	100		
153	109.1	89.5	134.3
152	64.8	44.8	67.2

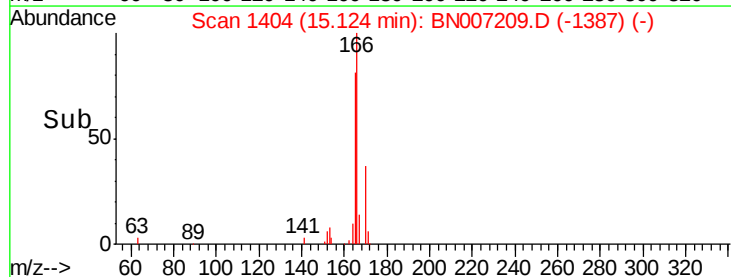
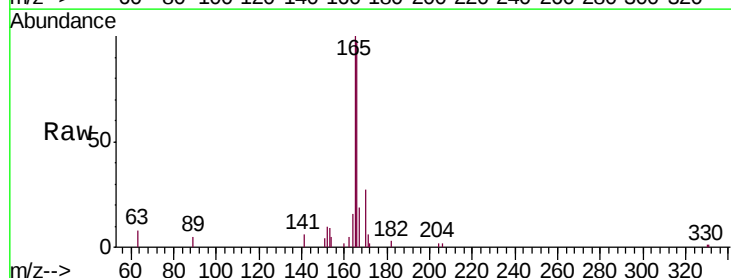
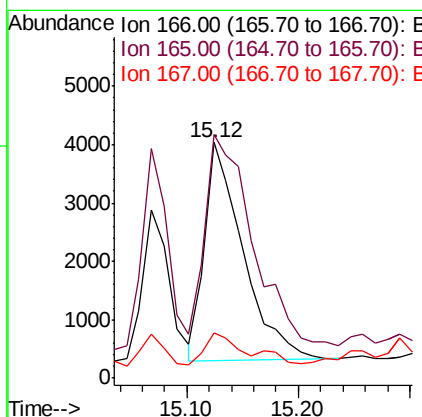
Manual Integrations
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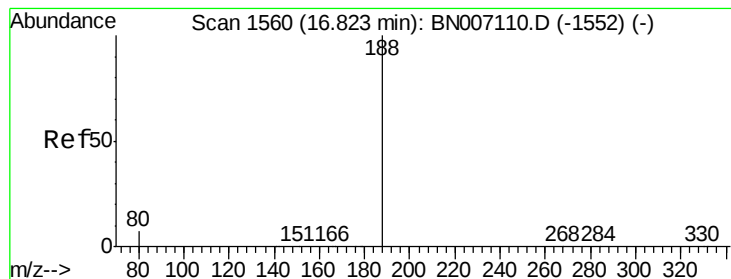
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#17
Fluorene
Concen: 0.151 ng
RT: 15.12 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Tgt Ion	Ratio	Lower	Upper
166	100		
165	121.7	77.9	116.9#
167	15.6	10.9	16.3





#18

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.82 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BN007209.D

Acq: 15 Aug 2019 22:46

Instrument :

BNA_N

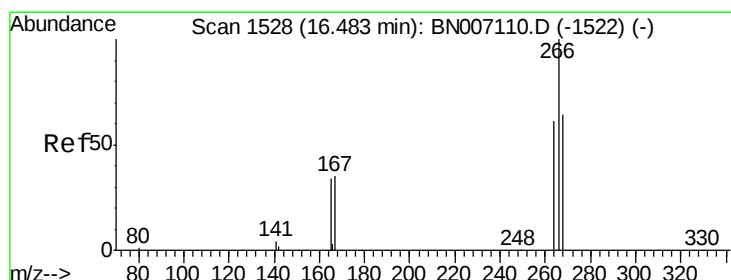
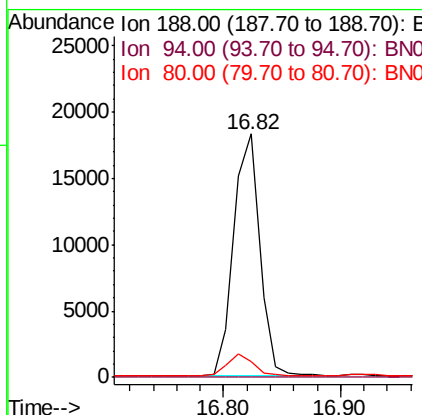
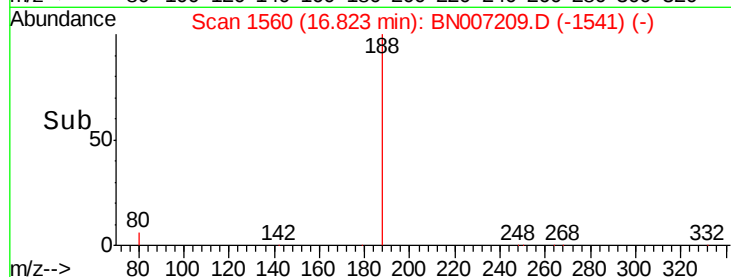
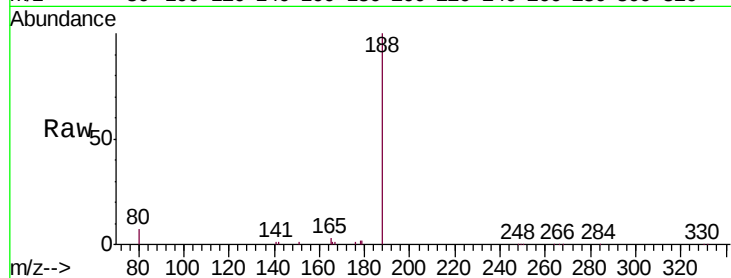
ClientSampleId :

EXT-032-SW177-073119DL

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	28254		
94	0.0	0.0	0.0	
80	6.7	7.8	11.6	

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#21

Pentachlorophenol

Concen: 0.056 ng

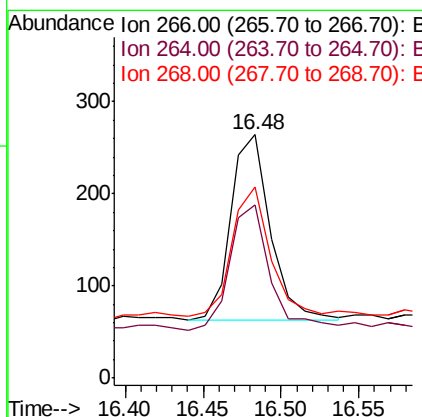
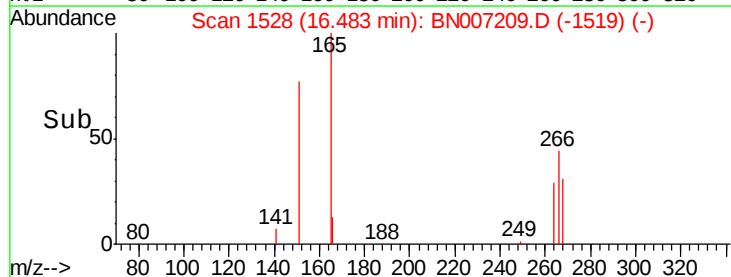
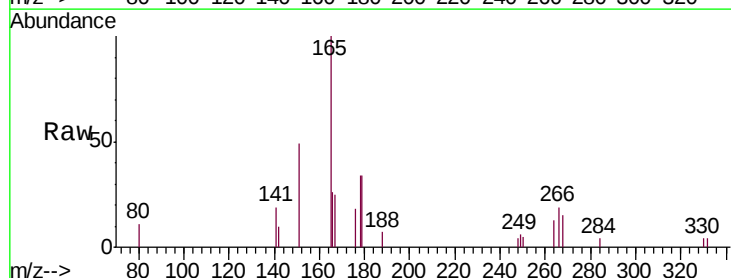
RT: 16.48 min Scan# 1528

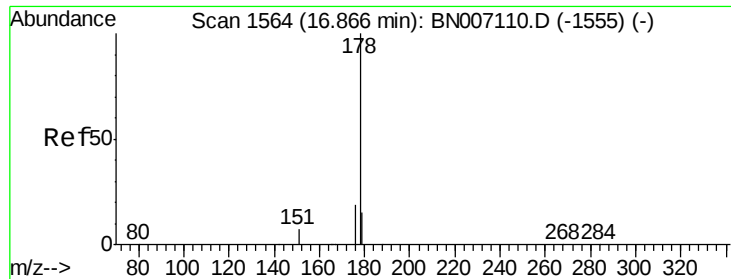
Delta R.T. -0.00 min

Lab File: BN007209.D

Acq: 15 Aug 2019 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	353		
264	71.2	52.3	78.5	
268	78.8	51.5	77.3	





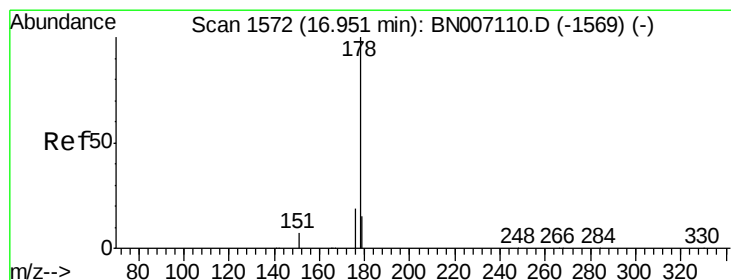
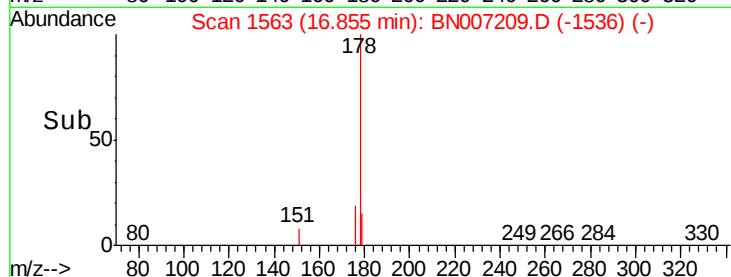
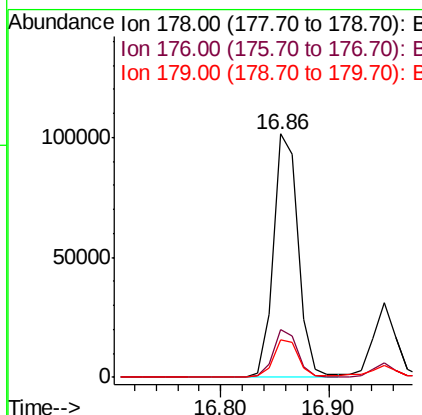
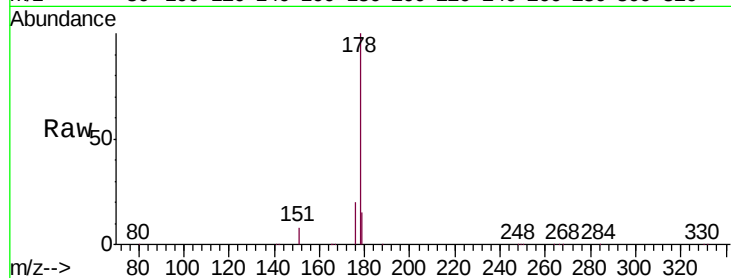
#22
Phenanthrene
Concen: 1.890 ng
RT: 16.86 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW177-073119DL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.2	22.8
179	15.5	12.3	18.5

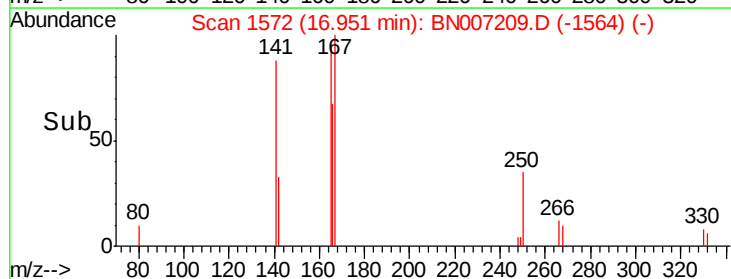
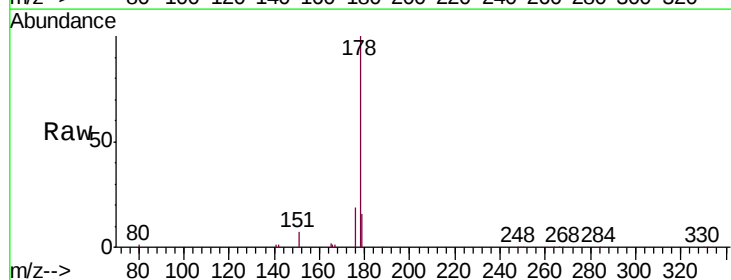
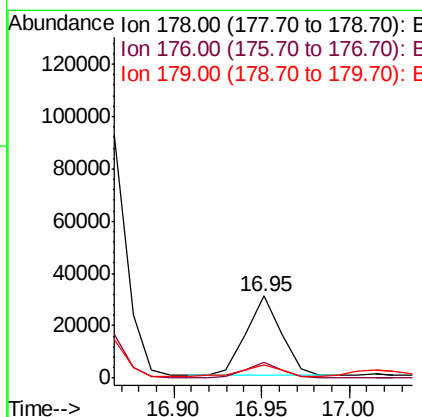
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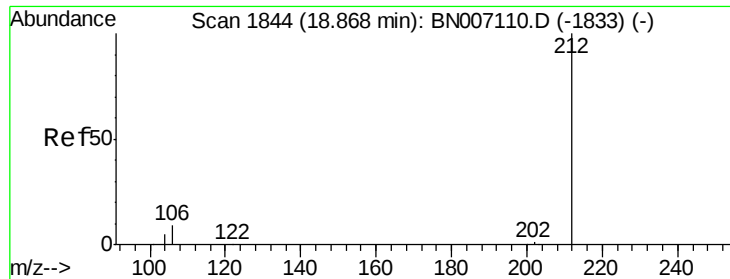
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#23
Anthracene
Concen: 0.546 ng
RT: 16.95 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	21.8
179	17.1	12.5	18.7





#24

Fluoranthene-d10

Concen: 0.060 ng

RT: 18.86 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BN007209.D

Acq: 15 Aug 2019 22:46

Instrument :

BNA_N

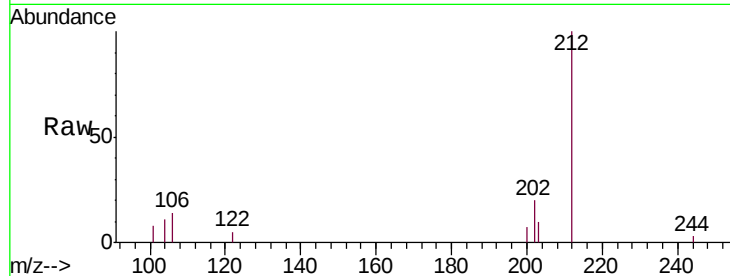
ClientSampleId :

EXT-032-SW177-073119DL

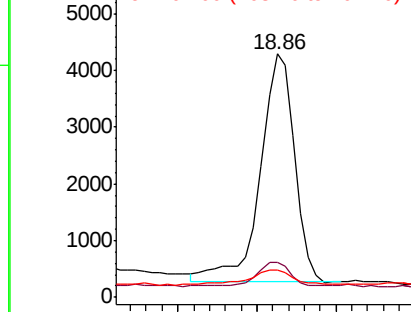
Tgt Ion	Ratio	Resp	Lower	Upper
212	100	6052		
106	10.2	8.2	12.2	
104	9.0	4.5	6.7	

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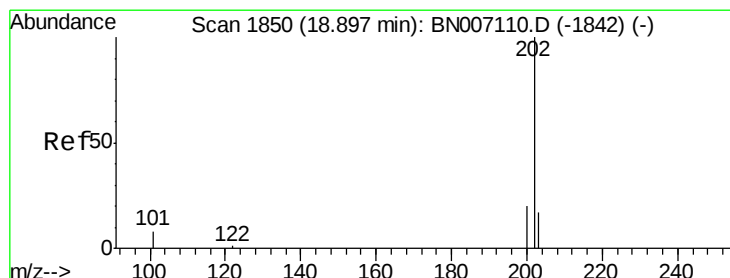
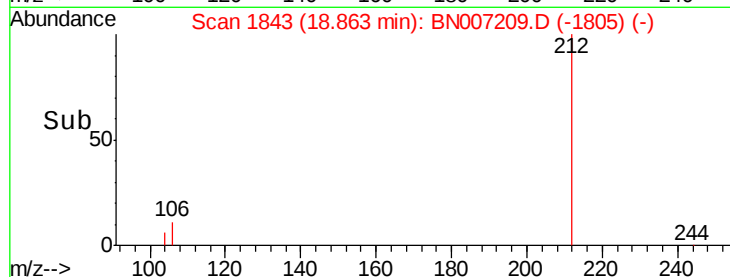
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Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



Time-->



#25

Fluoranthene

Concen: 3.679 ng

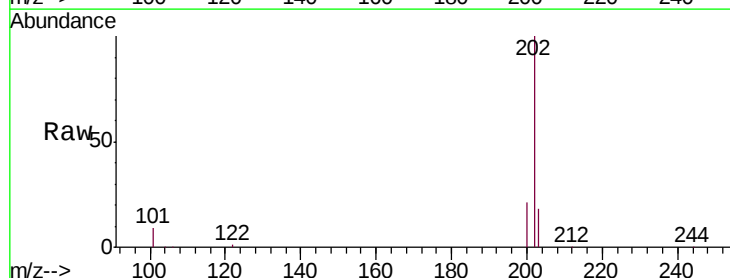
RT: 18.89 min Scan# 1849

Delta R.T. -0.01 min

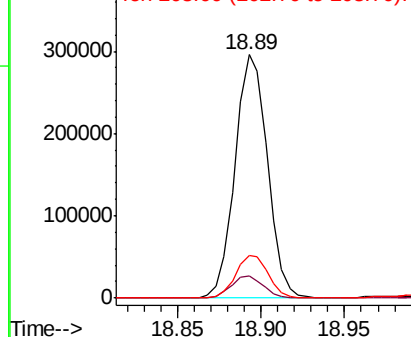
Lab File: BN007209.D

Acq: 15 Aug 2019 22:46

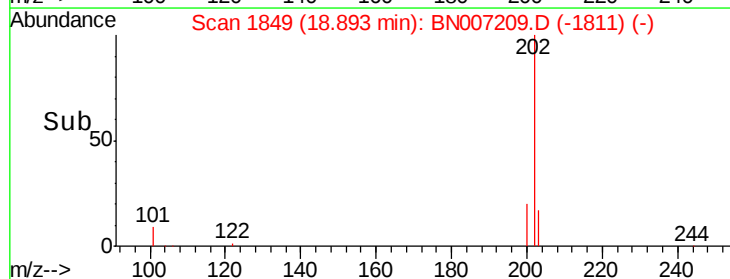
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	398487		
101	9.0	7.0	10.4	
203	17.5	13.8	20.8	

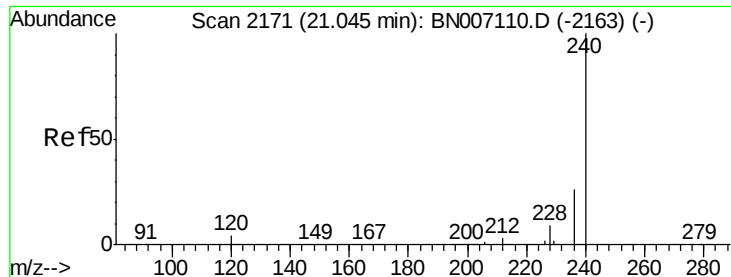


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->





#26

Chrysene-d12

Concen: 0.400 ng

RT: 21.03 min Scan# 2170

Delta R.T. -0.02 min

Lab File: BN007209.D

Acq: 15 Aug 2019 22:46

Instrument :

BNA_N

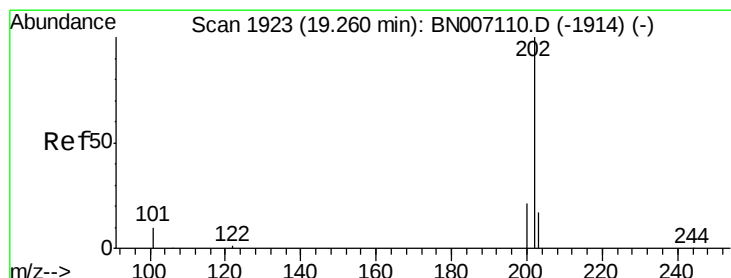
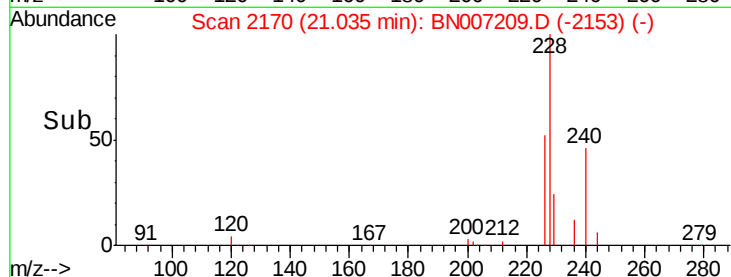
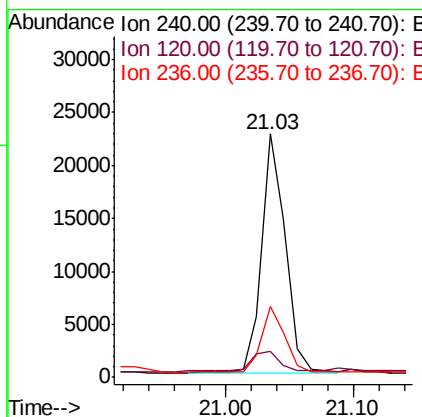
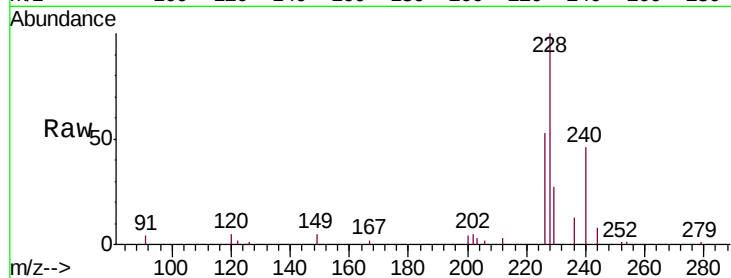
ClientSampleId :

EXT-032-SW177-073119DL

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.8	4.0	6.0#
236	29.2	21.3	31.9

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#27

Pyrene

Concen: 4.116 ng

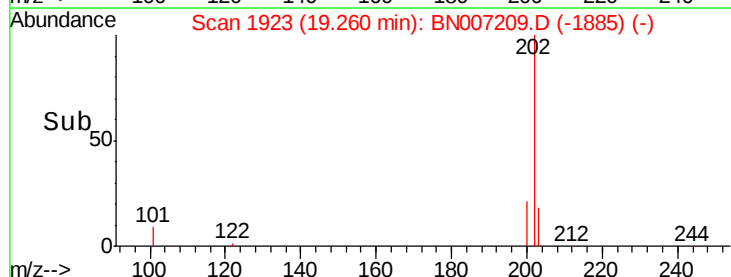
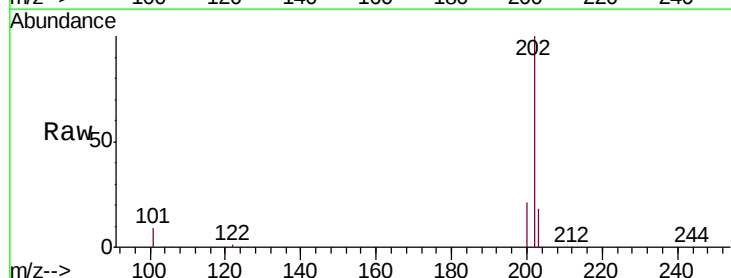
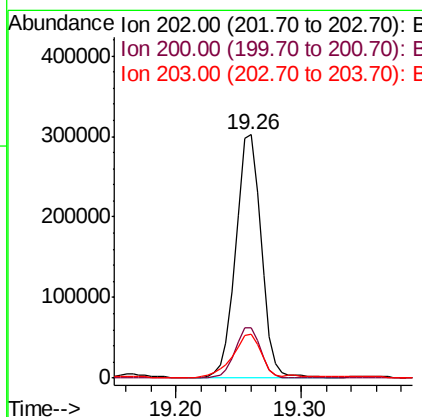
RT: 19.26 min Scan# 1923

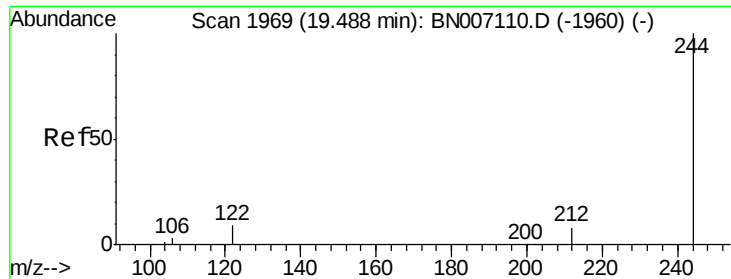
Delta R.T. -0.01 min

Lab File: BN007209.D

Acq: 15 Aug 2019 22:46

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	24.8
203	21.1	14.0	21.0#





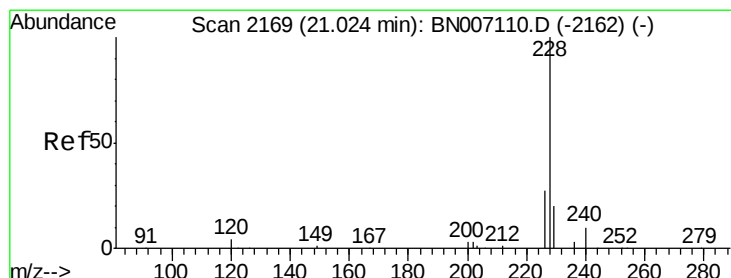
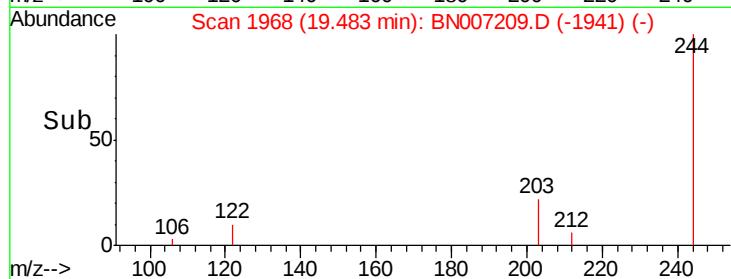
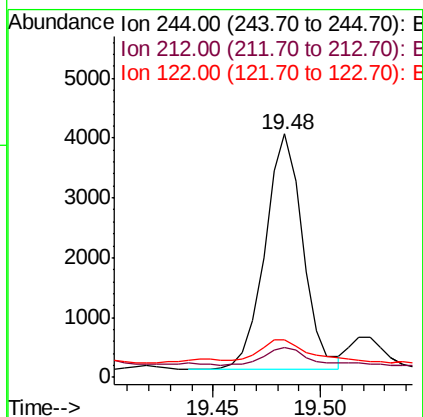
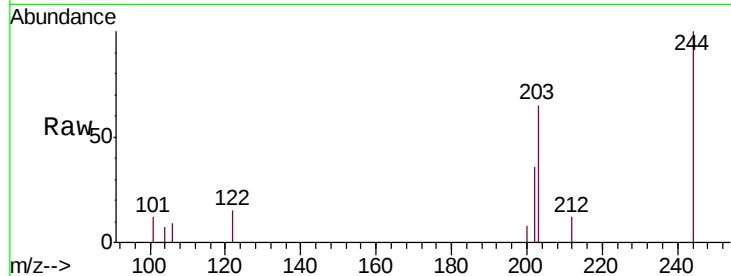
#28
 Terphenyl-d14
 Concen: 0.061 ng
 RT: 19.48 min Scan# 1968
 Delta R.T. -0.01 min
 Lab File: BN007209.D
 Acq: 15 Aug 2019 22:46

Instrument :
 BNA_N
 ClientSampleId :
 EXT-032-SW177-073119DL

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	4812		
212	12.3	6.2	9.2#	
122	15.5	7.4	11.2#	

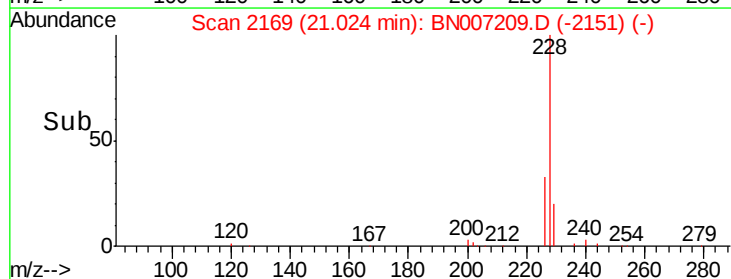
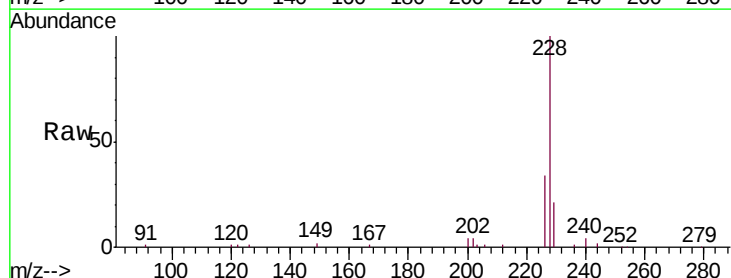
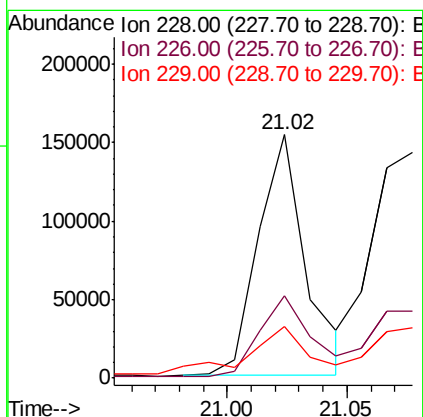
Manual Integrations
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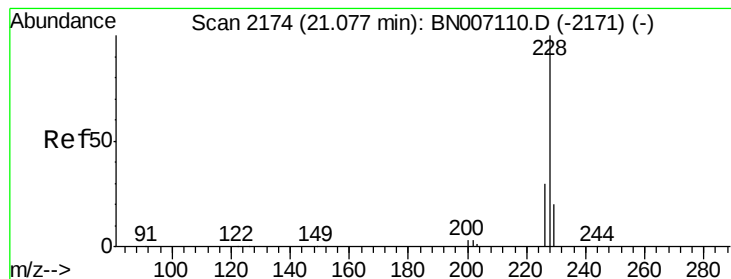
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#29
 Benzo(a)anthracene
 Concen: 2.015 ng m
 RT: 21.02 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: BN007209.D
 Acq: 15 Aug 2019 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	215026		
226	33.8	21.8	32.6#	
229	21.5	15.6	23.4	





#30

Chrysene

Concen: 2.250 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007209.D

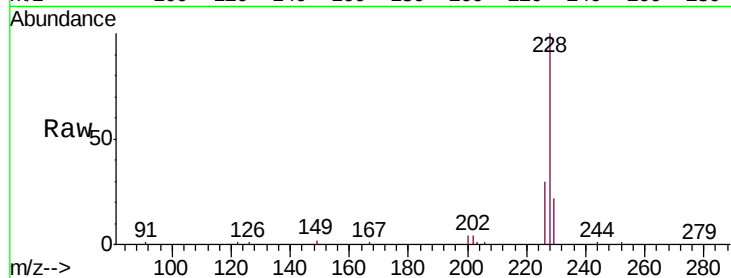
Acq: 15 Aug 2019 22:46

Instrument :

BNA_N

ClientSampleId :

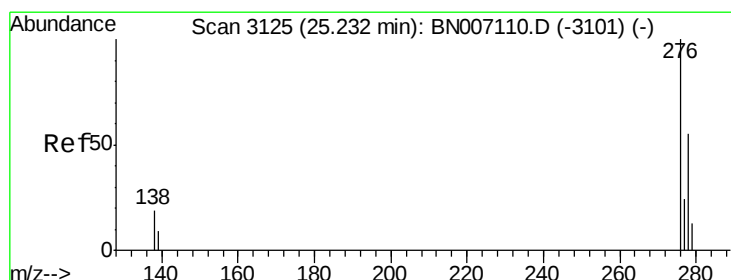
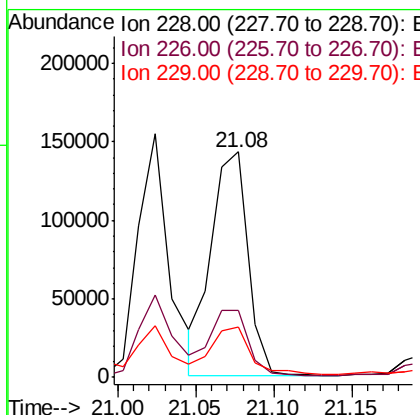
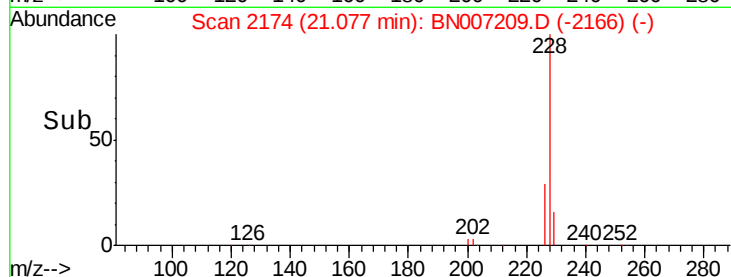
EXT-032-SW177-073119DL



Tgt Ion	Ratio	Resp	Lower	Upper
228	100	233218		
226	29.5	23.8	35.6	
229	22.2	15.7	23.5	

Manual Integrations
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#31

Indeno(1,2,3-cd)pyrene

Concen: 1.418 ng

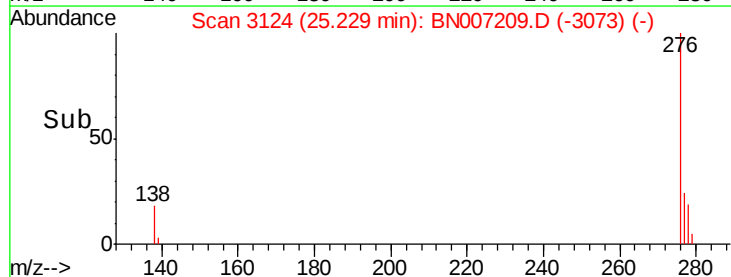
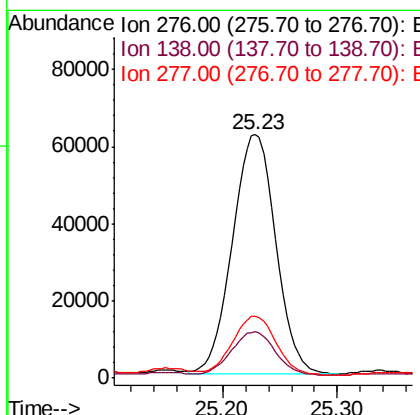
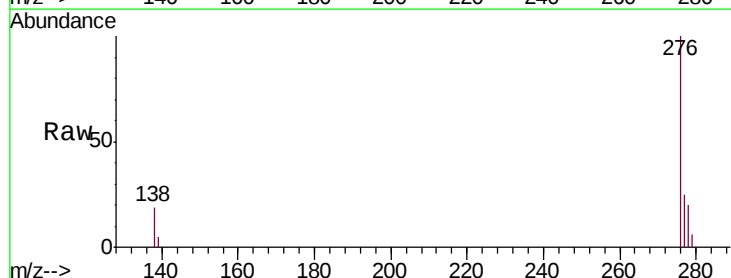
RT: 25.23 min Scan# 3124

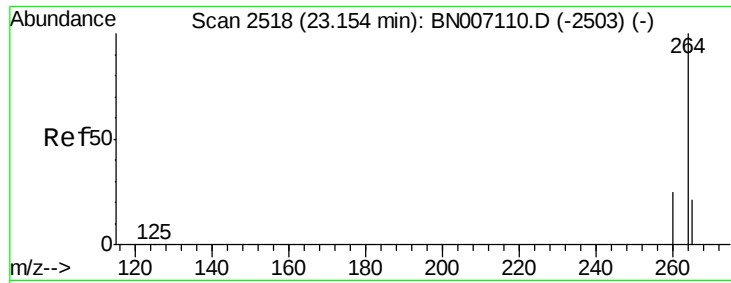
Delta R.T. -0.02 min

Lab File: BN007209.D

Acq: 15 Aug 2019 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	162022		
138	18.4	16.0	24.0	
277	24.6	19.9	29.9	





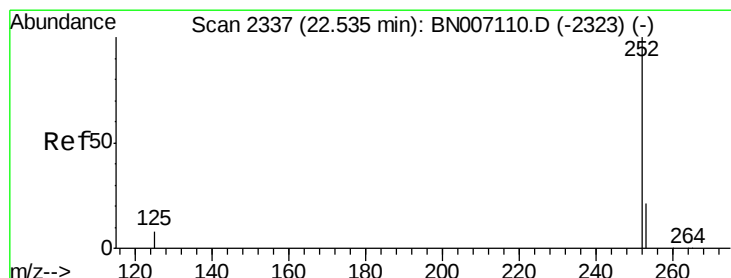
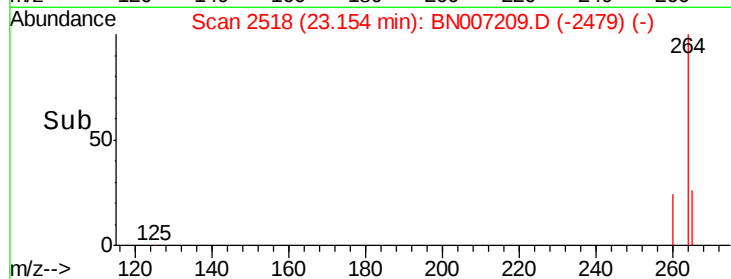
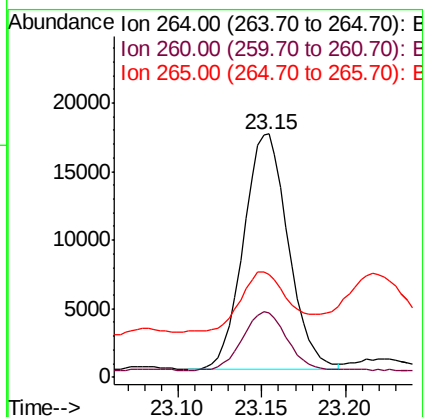
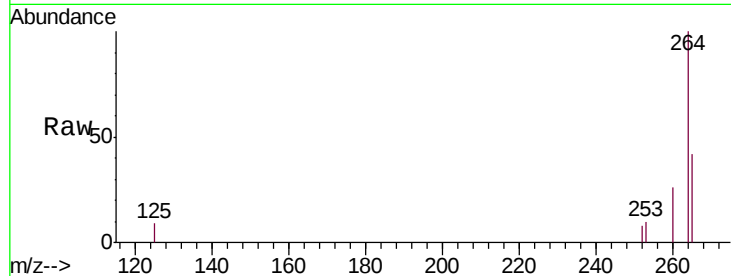
#32
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.15 min Scan# 2518
 Delta R.T. -0.02 min
 Lab File: BN007209.D
 Acq: 15 Aug 2019 22:46

Instrument :
 BNA_N
 ClientSampleId :
 EXT-032-SW177-073119DL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.2	19.8	29.8
265	42.4	26.2	39.4

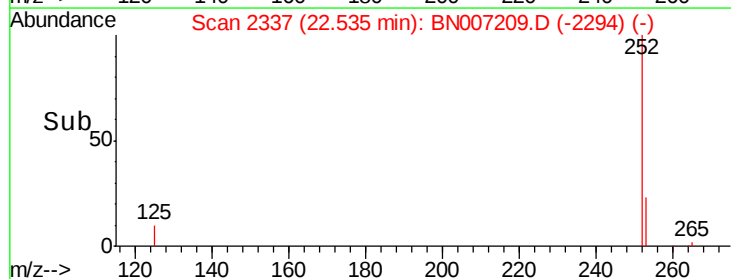
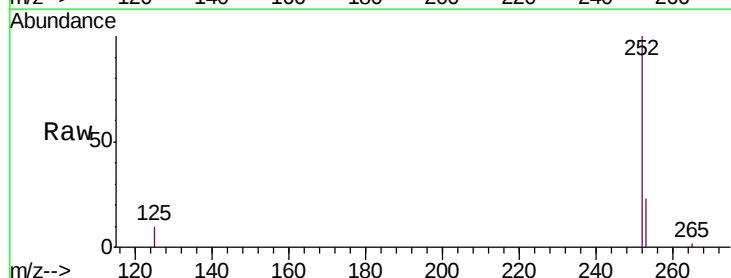
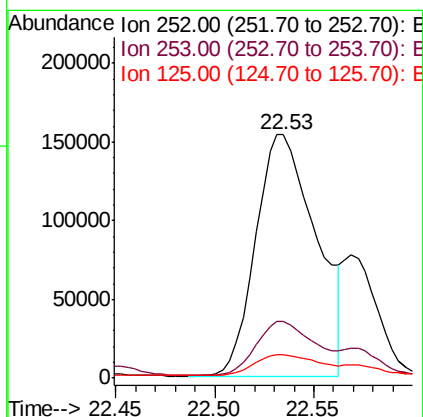
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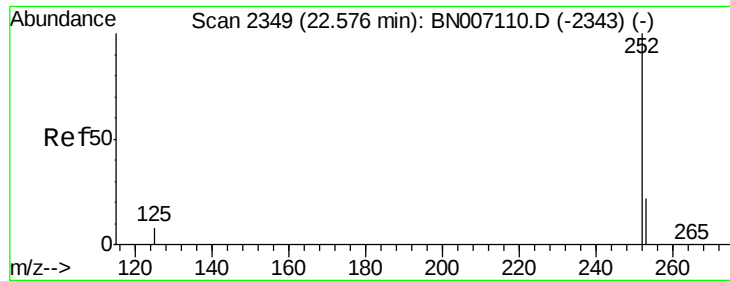
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#33
 Benzo(b)fluoranthene
 Concen: 2.940 ng
 RT: 22.53 min Scan# 2337
 Delta R.T. -0.01 min
 Lab File: BN007209.D
 Acq: 15 Aug 2019 22:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	9.7	7.4	11.0





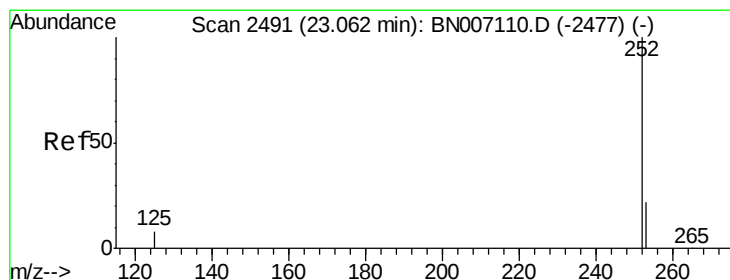
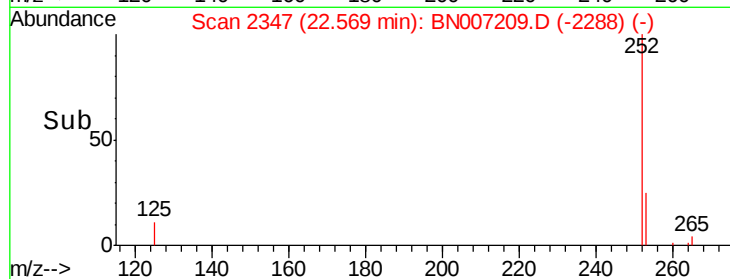
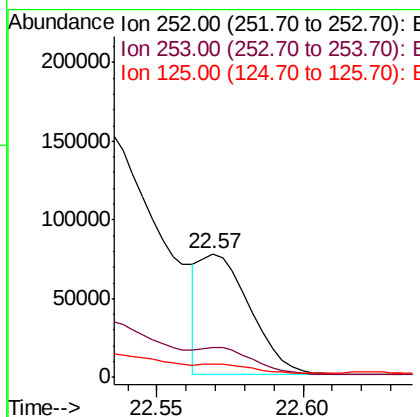
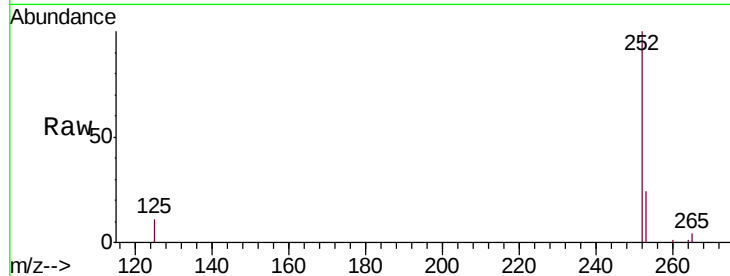
#34
Benzo(k)fluoranthene
Concen: 0.826 ng m
RT: 22.57 min Scan# 2347
Delta R.T. -0.02 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW177-073119DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.1	27.1
125	10.6	7.4	11.0

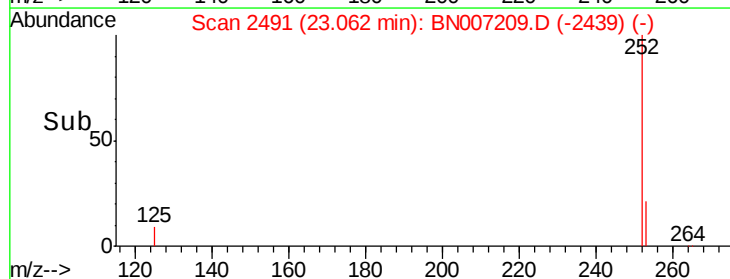
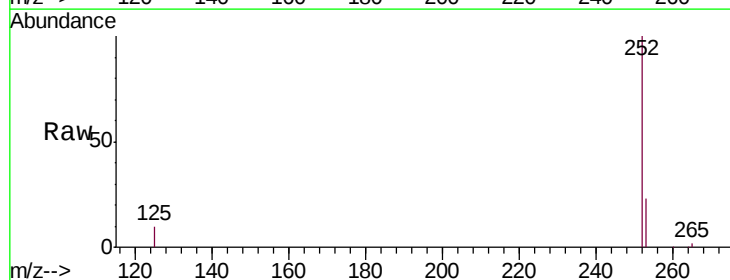
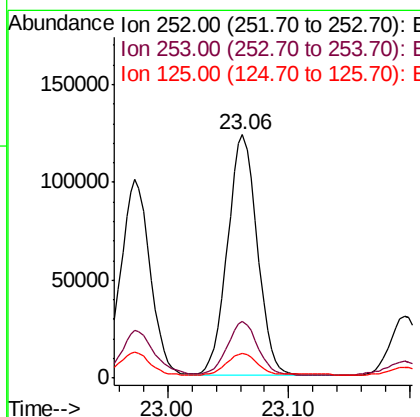
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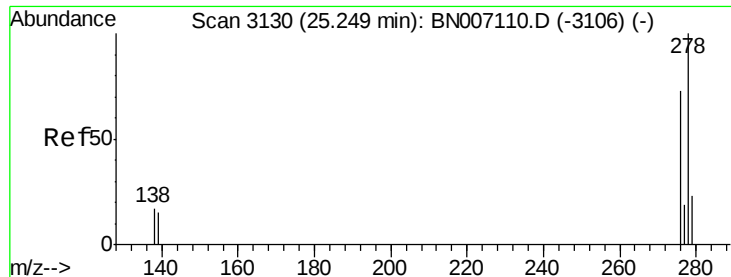
Jagrut
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#35
Benzo(a)pyrene
Concen: 2.099 ng
RT: 23.06 min Scan# 2491
Delta R.T. -0.02 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.5	27.7
125	10.2	8.2	12.4





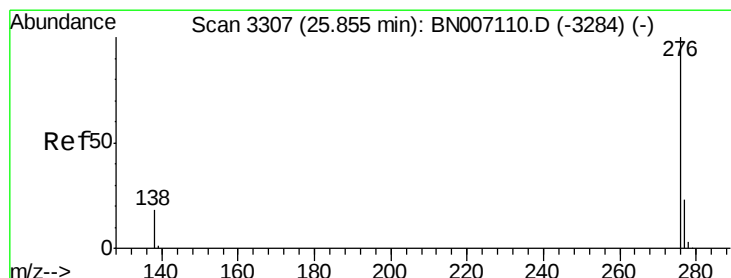
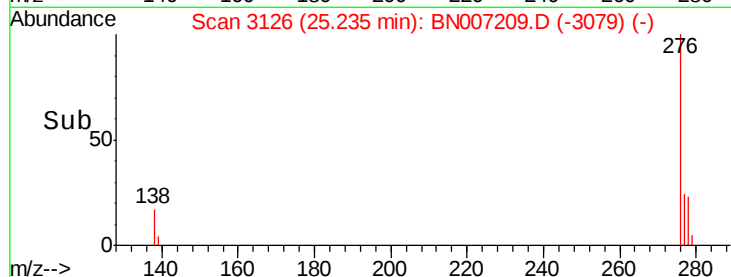
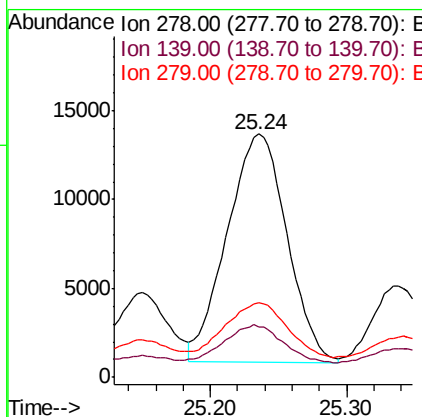
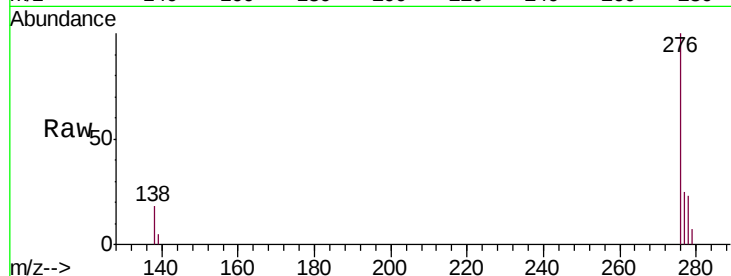
#36
Dibenzo(a,h)anthracene
Concen: 0.391 ng
RT: 25.24 min Scan# 3126
Delta R.T. -0.04 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW177-073119DL

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.9	11.3	16.9#
279	30.5	19.3	28.9#

Manual Integrations
APPROVED

Jagrut
8/16/2019 6:11:56 PM



#37
Benzo(g,h,i)perylene
Concen: 1.669 ng
RT: 25.86 min Scan# 3308
Delta R.T. -0.02 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.8	29.8
138	19.3	14.6	22.0

