

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081619\
 Data File : BN007226.D
 Acq On : 16 Aug 2019 17:00
 Operator : HP/JU
 Sample : K4240-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-035-SW101-080619

Manual Integrations
 APPROVED

mohammad
 8/20/2019 8:43:20 AM

Quant Time: Aug 17 01:47:43 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	7.42	152	8131	0.40	ng	-0.02
6) Naphthalene-d8	10.17	136	31243	0.40	ng	-0.01
12) Acenaphthene-d10	14.06	164	18323	0.40	ng	-0.01
18) Phenanthrene-d10	16.81	188	42962	0.40	ng	-0.01
26) Chrysene-d12	21.03	240	39102	0.40	ng	-0.02
32) Perylene-d12	23.15	264	43147	0.40	ng	-0.02

System Monitoring Compounds

3) 2-Fluorophenol	5.05	112	6424	0.33	ng	0.00
4) Phenol-d6	6.61	99	8922	0.37	ng	0.00
7) Nitrobenzene-d5	8.55	82	7908	0.31	ng	-0.01
10) 2-Methylnaphthalene-d10	11.78	152	14780	0.25	ng	-0.02
13) 2,4,6-Tribromophenol	15.57	330	2431	0.25	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	888	0.03	ng	0.00
24) Fluoranthene-d10	18.86	212	33449	0.22	ng	-0.01
28) Terphenyl-d14	19.48	244	25037	0.23	ng	-0.02

Target Compounds

						Qvalue
8) Naphthalene	10.22	128	4587	0.052	ng	95
11) 2-Methylnaphthalene	11.85	142	4887	0.079	ng	95
15) Acenaphthylene	13.78	152	19149	0.200	ng	98
17) Fluorene	15.12	166	3179	0.035	ng	# 13
22) Phenanthrene	16.86	178	40959	0.318	ng	97
23) Anthracene	16.95	178	13578	0.115	ng	96
25) Fluoranthene	18.89	202	63357	0.385	ng	99
27) Pyrene	19.25	202	80927	0.590	ng	97
29) Benzo(a)anthracene	21.02	228	39451	0.276	ng	# 72
30) Chrysene	21.07	228	43119	0.310	ng	# 90
31) Indeno(1,2,3-cd)pyrene	25.22	276	31400	0.205	ng	99
33) Benzo(b)fluoranthene	22.53	252	56034	0.379	ng	# 91
34) Benzo(k)fluoranthene	22.57	252	15385m	0.105	ng	
35) Benzo(a)pyrene	23.06	252	34740	0.259	ng	# 90
36) Dibenzo(a,h)anthracene	25.24	278	8226	0.061	ng	# 49
37) Benzo(g,h,i)perylene	25.85	276	36172	0.263	ng	# 93

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

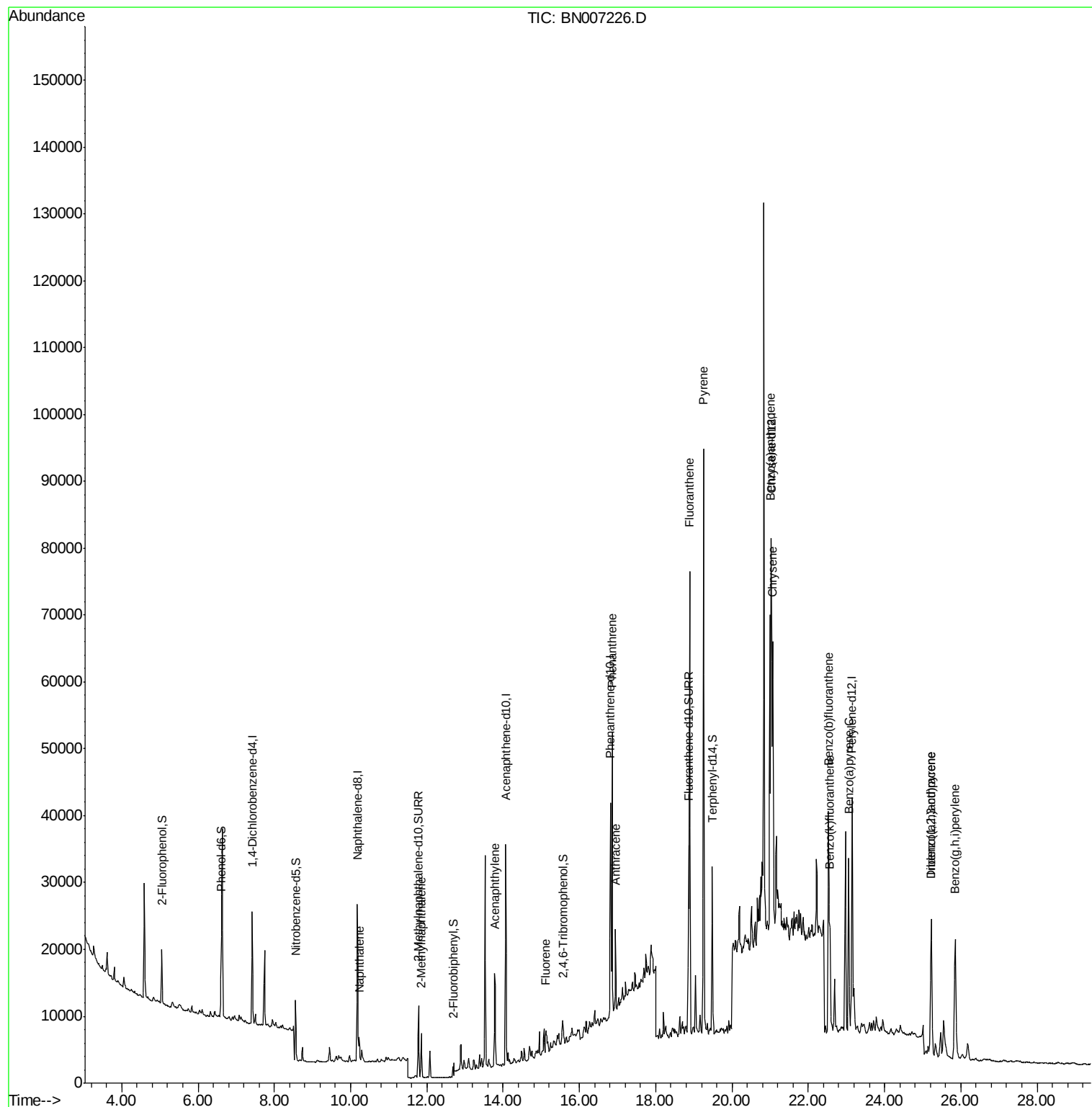
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081619\
Data File : BN007226.D
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ALS Vial : 9 Sample Multiplier: 1

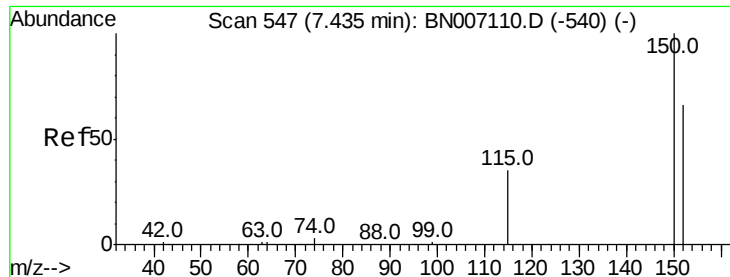
Instrument :
BNA_N
ClientSampleId :
EXT-035-SW101-080619

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Quant Time: Aug 17 01:47:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
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QLast Update : Tue Aug 13 12:12:02 2019
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#1

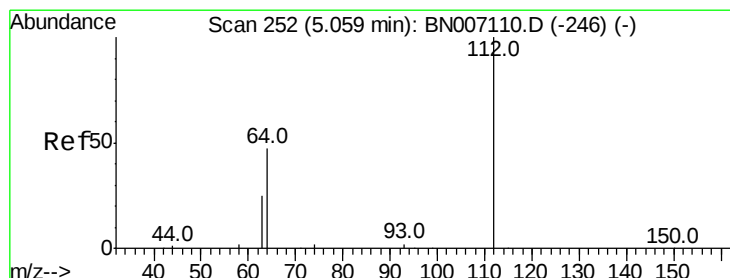
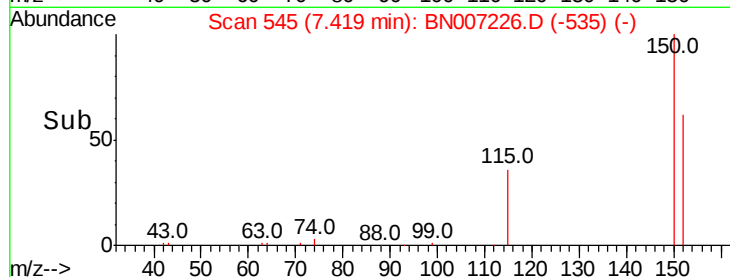
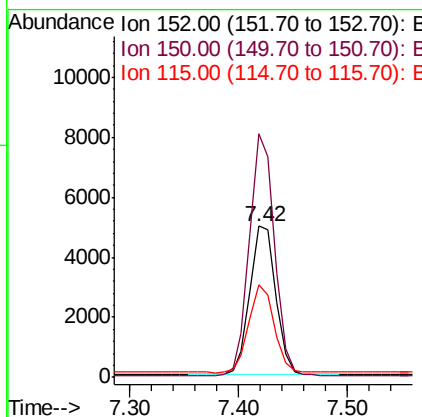
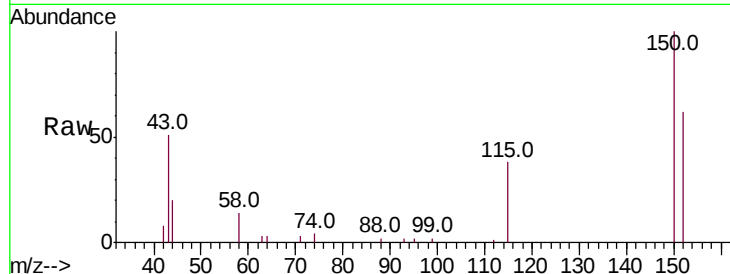
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.42 min Scan# 545
Delta R.T. -0.02 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

Instrument :
BNA_N
ClientSampleId :
EXT-035-SW101-080619

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.0	121.7	182.5
115	61.6	46.2	69.4

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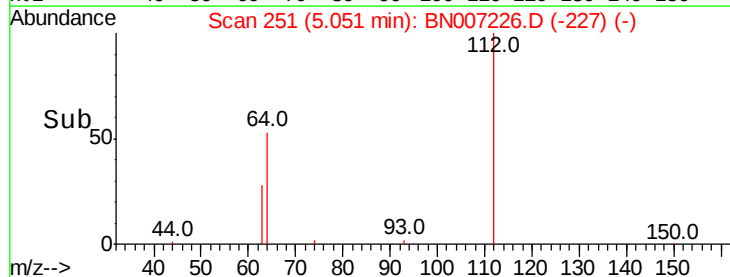
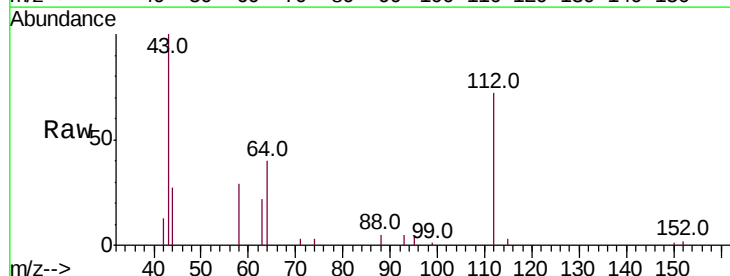
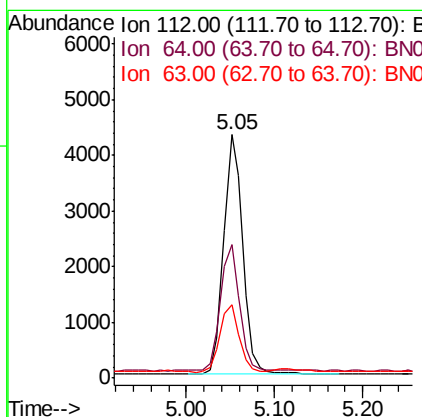
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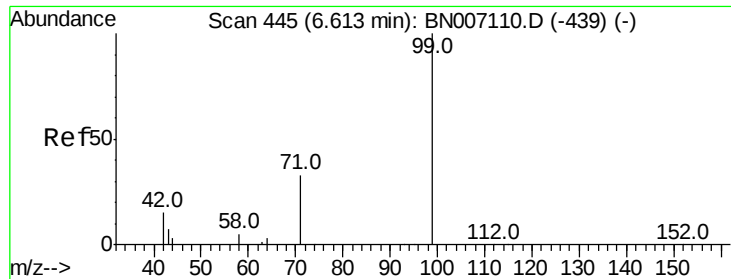


#3

2-Fluorophenol
Concen: 0.329 ng
RT: 5.05 min Scan# 251
Delta R.T. -0.01 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.5	42.6	63.8
63	28.1	22.2	33.2





#4

Phenol-d6

Concen: 0.369 ng

RT: 6.61 min Scan# 444

Delta R.T. -0.01 min

Lab File: BN007226.D

Acq: 16 Aug 2019 17:00

Instrument :

BNA_N

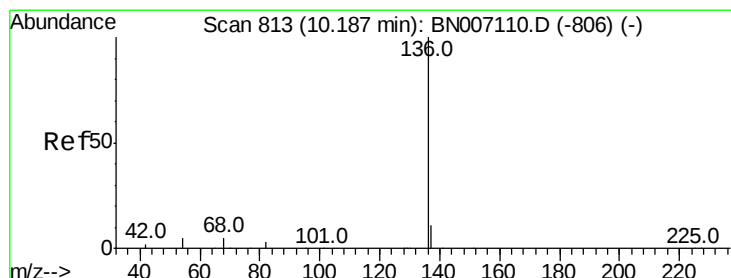
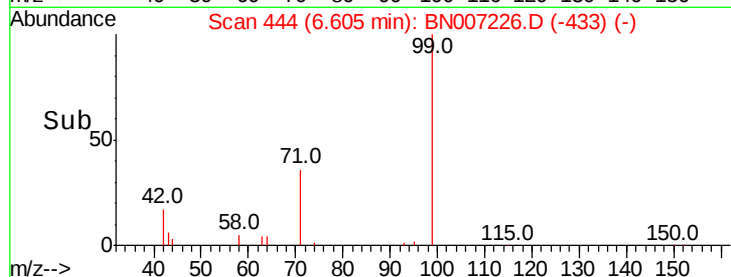
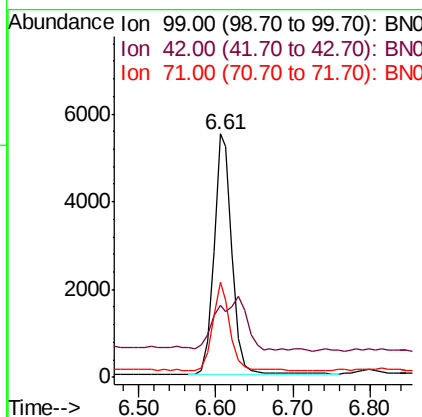
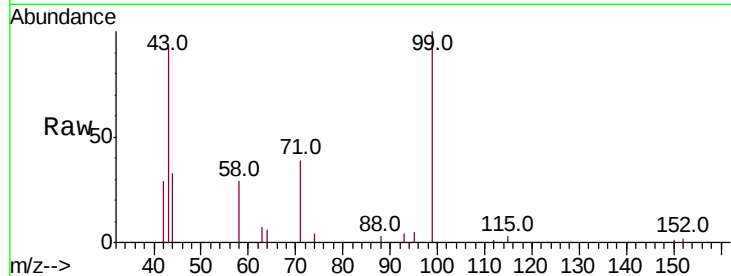
ClientSampleId :

EXT-035-SW101-080619

Tot Ion:	99	Resp:	8922
Ion Ratio	Lower	Upper	
99	100		
42	0.0	15.8	23.6#
71	34.7	27.0	40.4

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#6

Naphthalene-d8

Concen: 0.400 ng

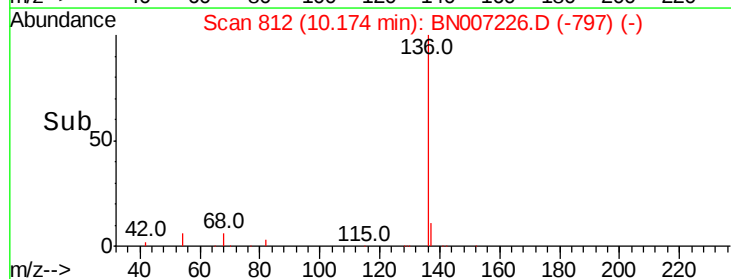
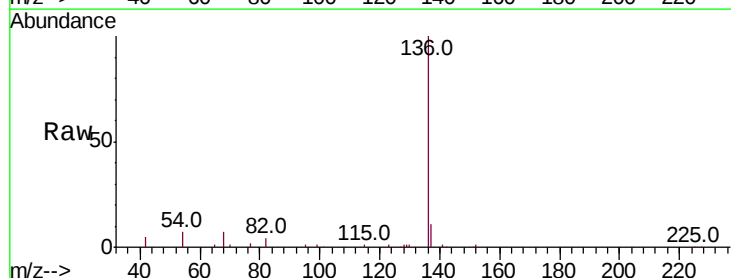
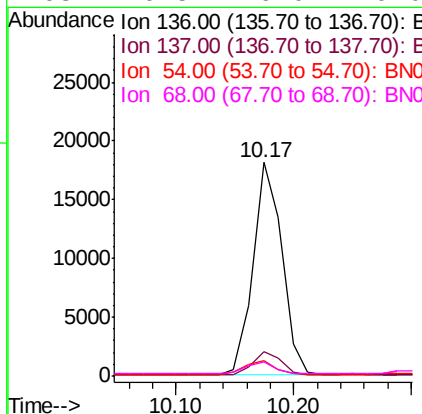
RT: 10.17 min Scan# 812

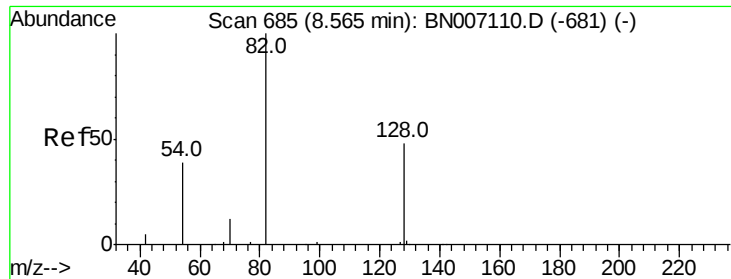
Delta R.T. -0.01 min

Lab File: BN007226.D

Acq: 16 Aug 2019 17:00

Tgt Ion:	136	Resp:	31243
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.4	14.0
54	7.1	6.6	9.8
68	6.5	6.0	9.0





#7

Nitrobenzene-d5

Concen: 0.314 ng

RT: 8.55 min Scan# 684

Delta R.T. -0.01 min

Lab File: BN007226.D

Acq: 16 Aug 2019 17:00

Instrument :

BNA_N

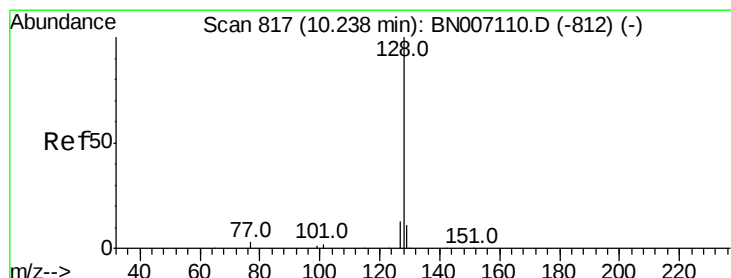
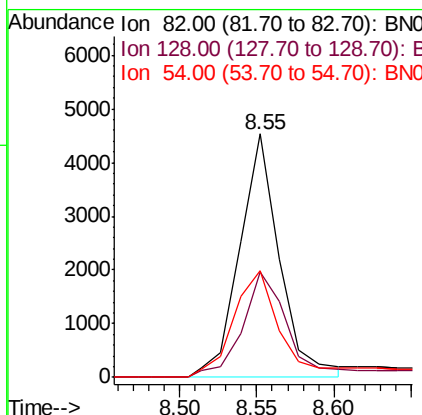
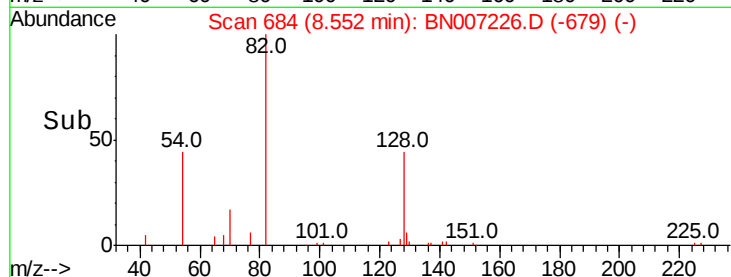
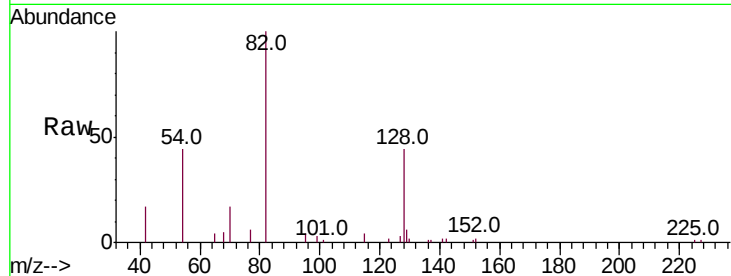
ClientSampleId :

EXT-035-SW101-080619

Tot Ion:	82	Resp:	7908
Ion Ratio	Lower	Upper	
82	100		
128	43.5	34.6	51.8
54	43.9	36.2	54.4

Manual Integrations
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#8

Naphthalene

Concen: 0.052 ng

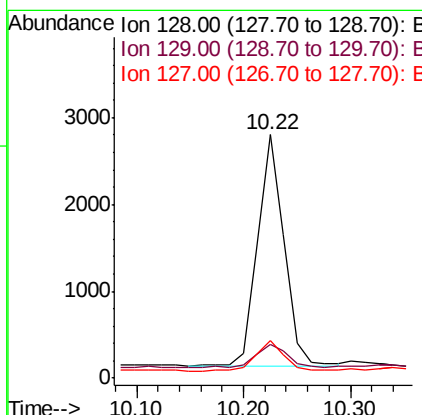
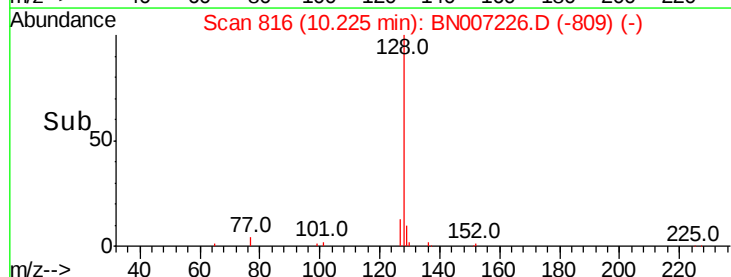
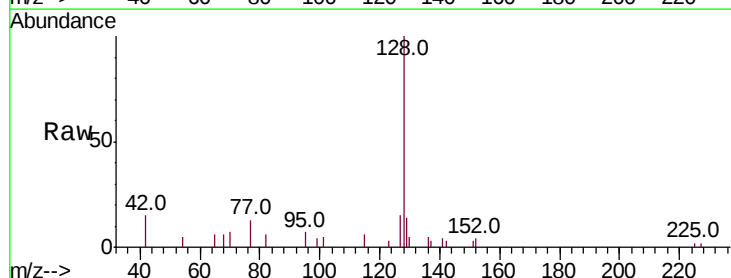
RT: 10.22 min Scan# 816

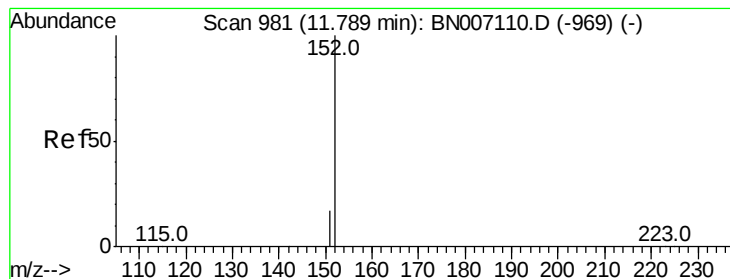
Delta R.T. -0.01 min

Lab File: BN007226.D

Acq: 16 Aug 2019 17:00

Tgt Ion:	128	Resp:	4587
Ion Ratio	Lower	Upper	
128	100		
129	14.1	9.4	14.2
127	15.3	11.0	16.6





#10

2-Methylnaphthalene-d10

Concen: 0.254 ng

RT: 11.78 min Scan# 978

Delta R.T. -0.02 min

Lab File: BN007226.D

Acq: 16 Aug 2019 17:00

Instrument :

BNA_N

ClientSampleId :

EXT-035-SW101-080619

Tot Ion:152 Resp: 14780

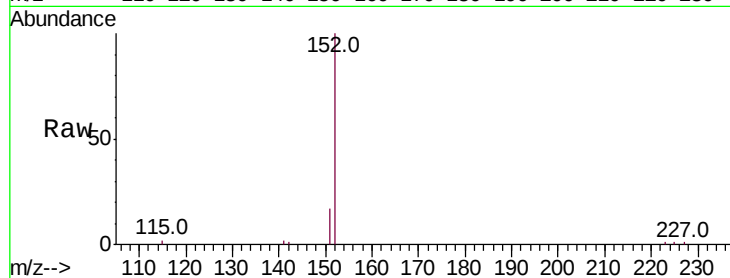
Ion Ratio Lower Upper

152 100

151 19.5 15.5 23.3

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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.78

10000

8000

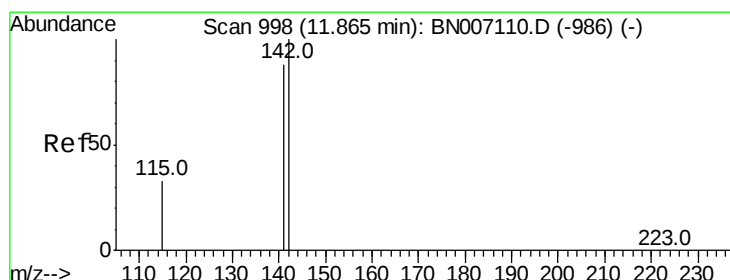
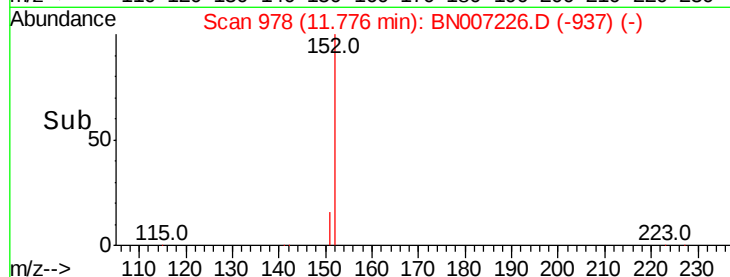
6000

4000

2000

0

Time-->



#11

2-Methylnaphthalene

Concen: 0.079 ng

RT: 11.85 min Scan# 995

Delta R.T. -0.02 min

Lab File: BN007226.D

Acq: 16 Aug 2019 17:00

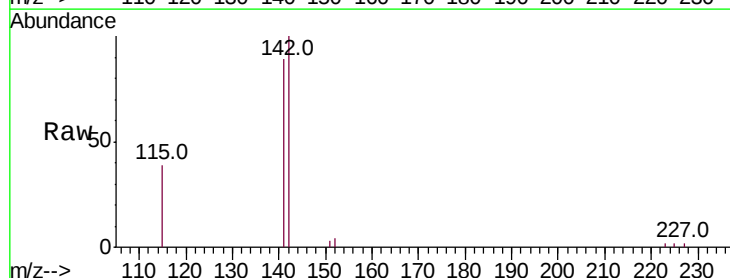
Tgt Ion:142 Resp: 4887

Ion Ratio Lower Upper

142 100

141 88.7 69.0 103.6

115 39.5 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

11.85

4000

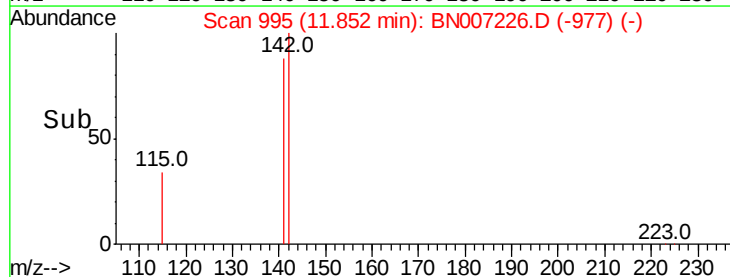
3000

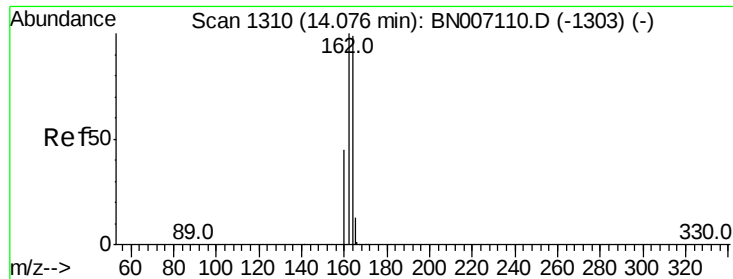
2000

1000

0

Time-->





#12

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.06 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BN007226.D

Acq: 16 Aug 2019 17:00

Instrument :

BNA_N

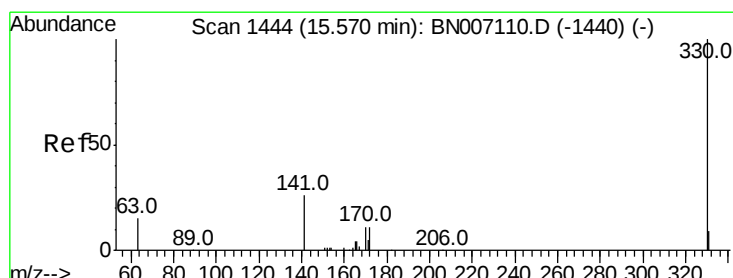
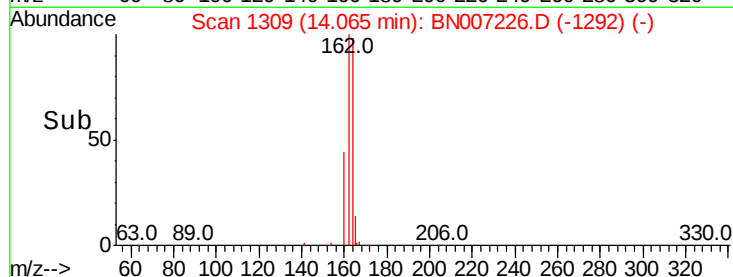
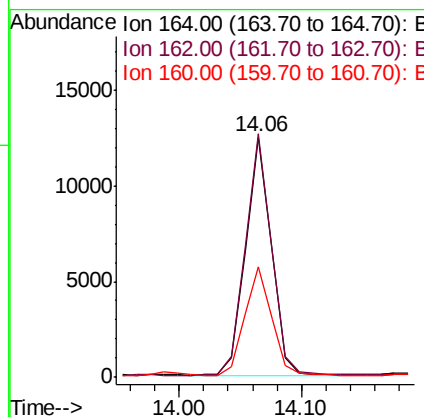
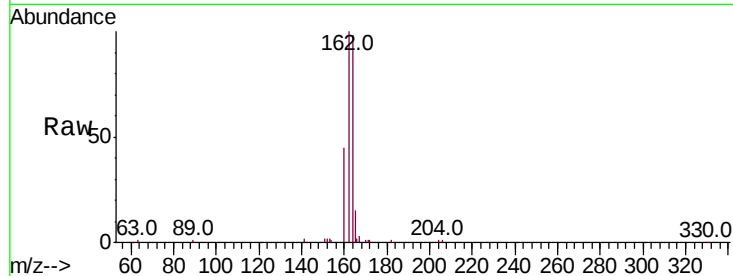
ClientSampleId :

EXT-035-SW101-080619

Tot Ion:	164	Resp:	18323
Ion Ratio	Lower	Upper	
164	100		
162	101.5	82.2	123.4
160	46.1	38.3	57.5

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#13

2,4,6-Tribromophenol

Concen: 0.246 ng

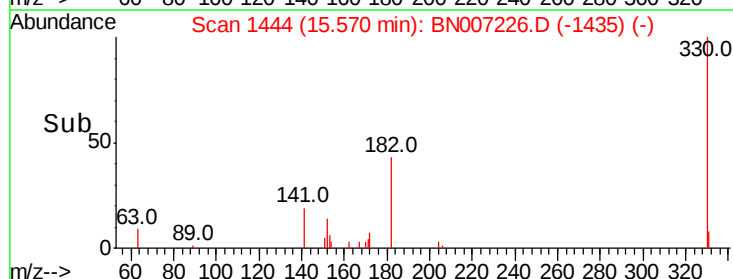
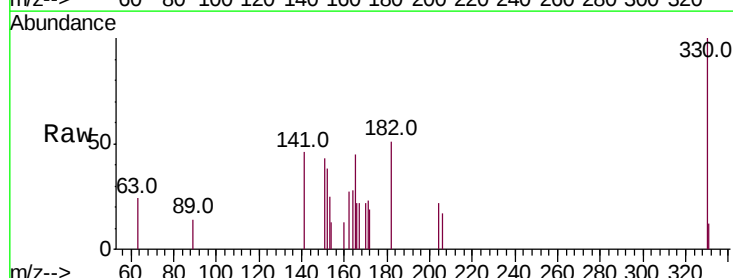
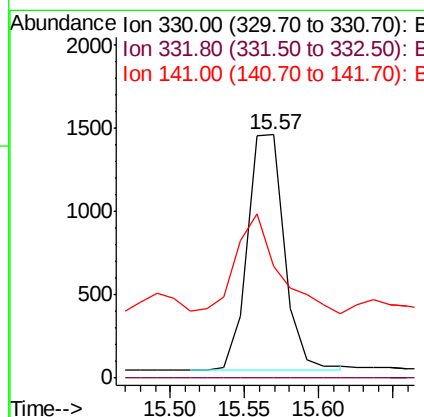
RT: 15.57 min Scan# 1444

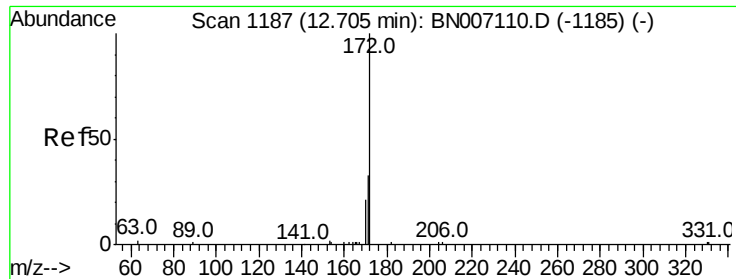
Delta R.T. -0.00 min

Lab File: BN007226.D

Acq: 16 Aug 2019 17:00

Tgt Ion:	330	Resp:	2431
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	49.0	33.6	50.4





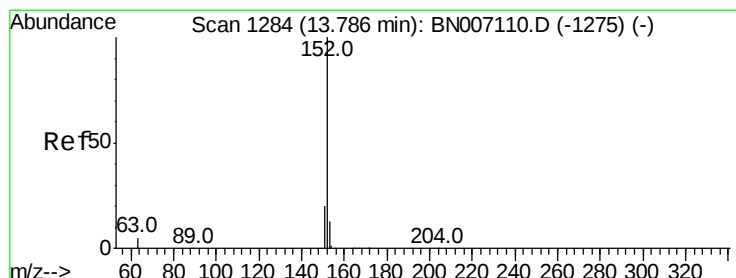
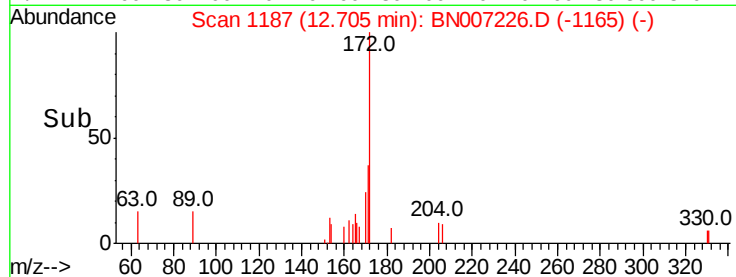
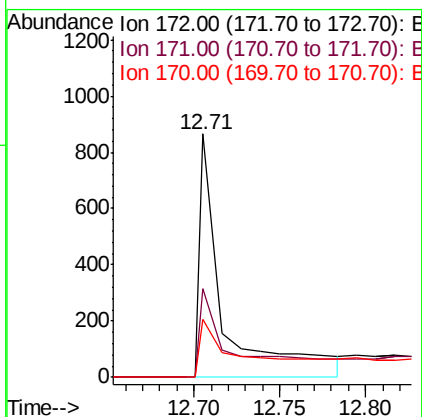
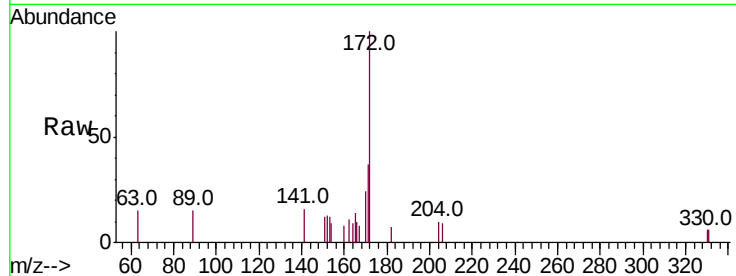
#14
2-Fluorobiphenyl
Concen: 0.033 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

Instrument :
BNA_N
ClientSampleId :
EXT-035-SW101-080619

Tot Ion:	172	Resp:	888
Ion Ratio	Lower	Upper	
172	100		
171	36.6	26.3	39.5
170	23.6	17.0	25.4

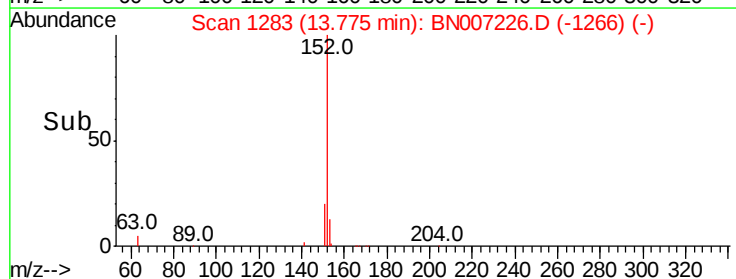
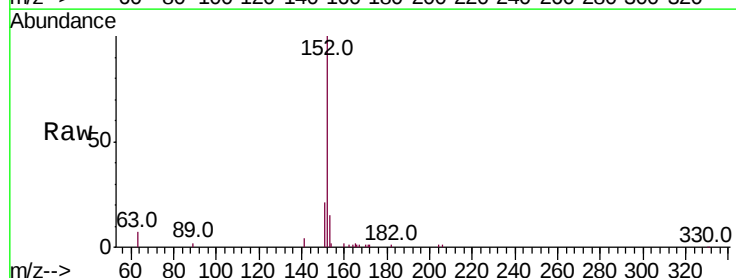
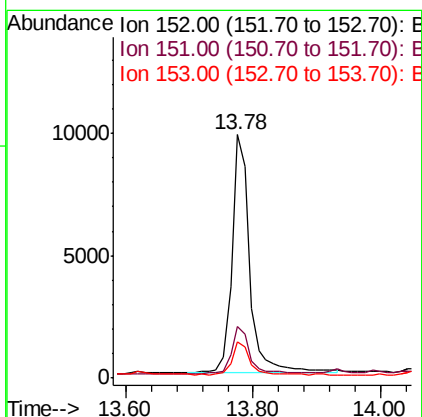
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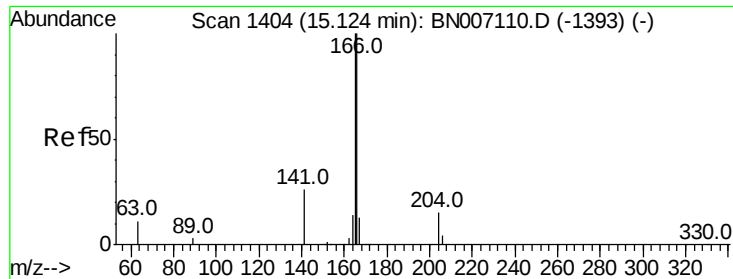
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#15
Acenaphthylene
Concen: 0.200 ng
RT: 13.78 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

Tgt Ion:	152	Resp:	19149
Ion Ratio	Lower	Upper	
152	100		
151	21.2	15.8	23.6
153	13.0	10.4	15.6





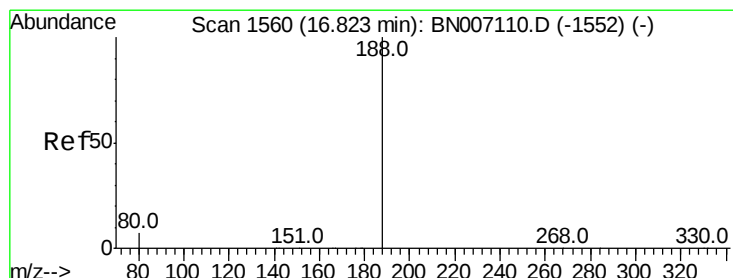
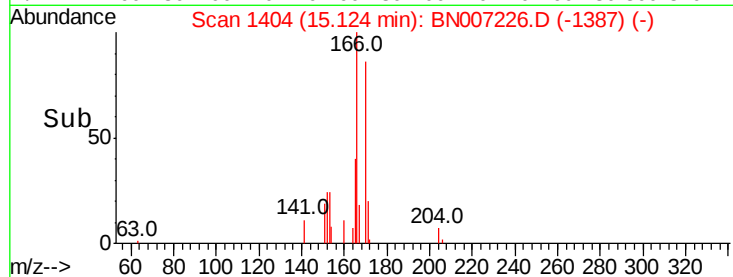
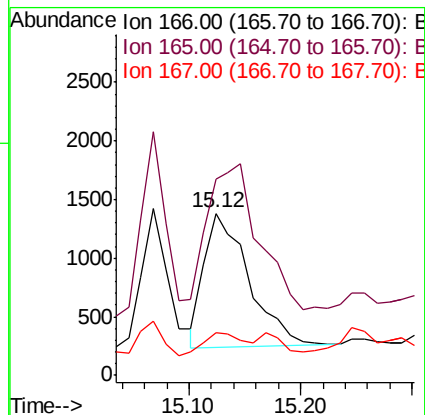
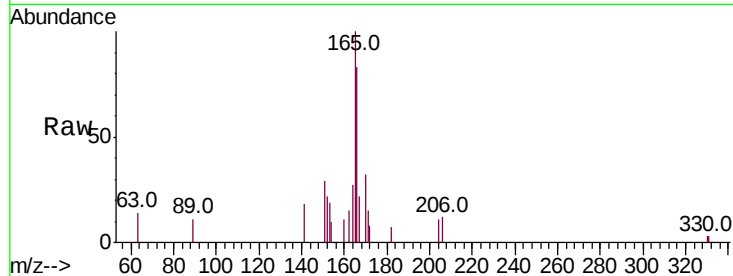
#17
Fluorene
 Concen: 0.035 ng
 RT: 15.12 min Scan# 1404
 Delta R.T. -0.01 min
 Lab File: BN007226.D
 Acq: 16 Aug 2019 17:00

Instrument :
 BNA_N
 ClientSampleId :
 EXT-035-SW101-080619

Tot Ion	Ratio	Lower	Upper
166	100		
165	0.0	77.9	116.9#
167	15.9	10.9	16.3

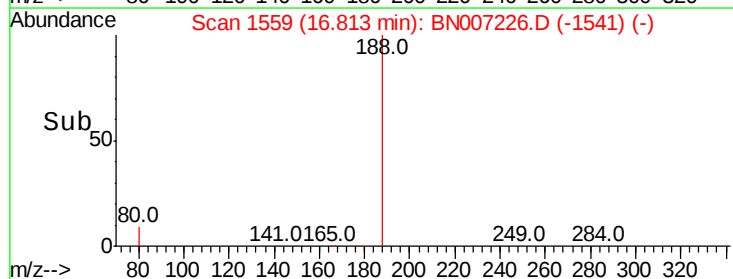
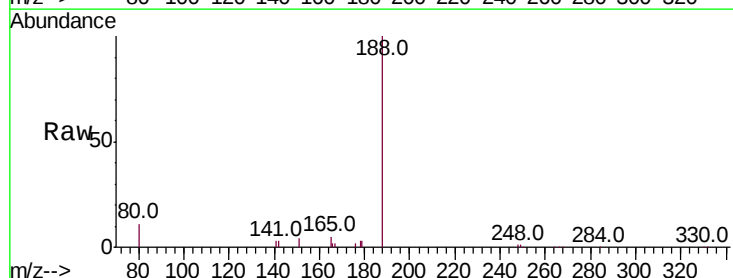
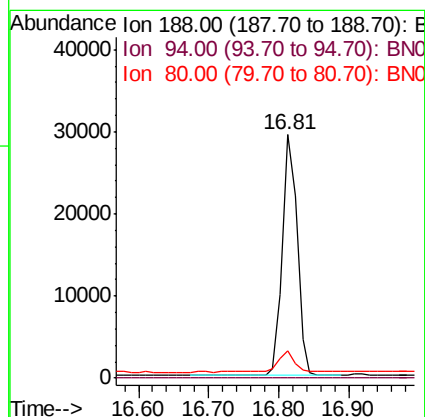
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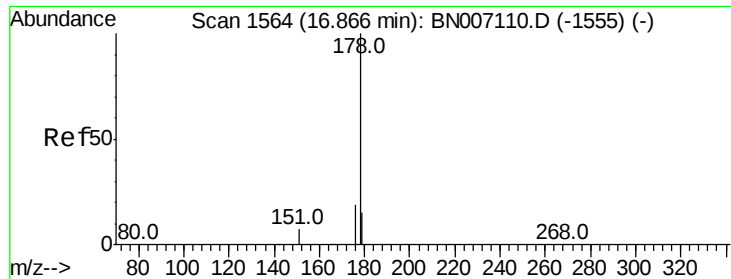
mohammad
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#18
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.81 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: BN007226.D
 Acq: 16 Aug 2019 17:00

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.3	7.8	11.6





#22

Phenanthrene

Concen: 0.318 ng

RT: 16.86 min Scan# 1563

Delta R.T. -0.01 min

Lab File: BN007226.D

Acq: 16 Aug 2019 17:00

Instrument :

BNA_N

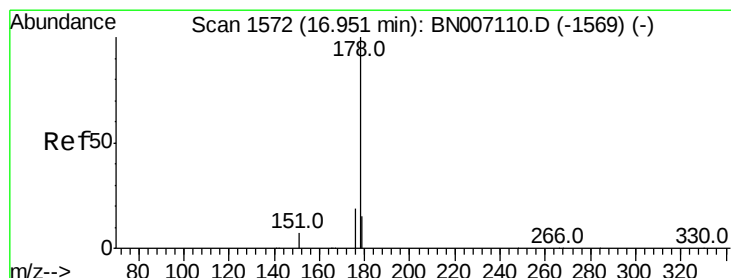
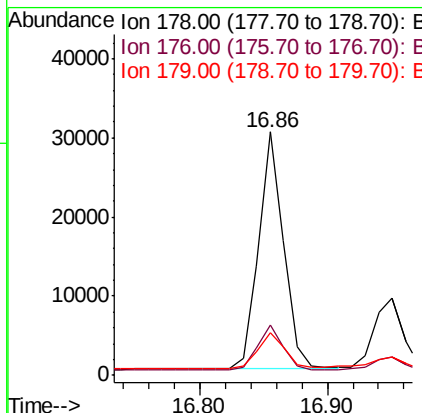
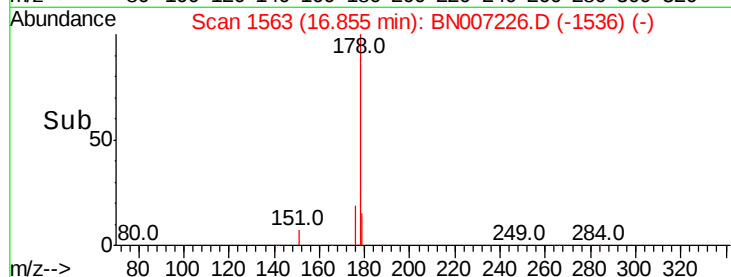
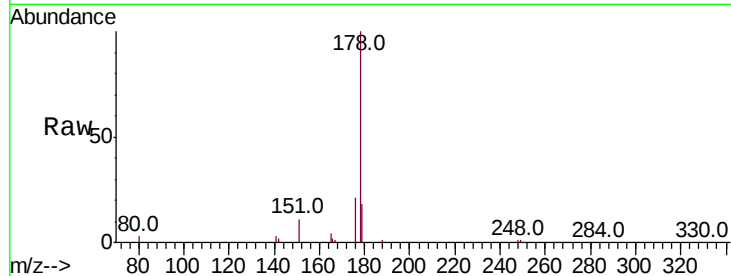
ClientSampleId :

EXT-035-SW101-080619

Tot Ion:	178	Resp:	40959
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.2	22.8
179	17.6	12.3	18.5

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#23

Anthracene

Concen: 0.115 ng

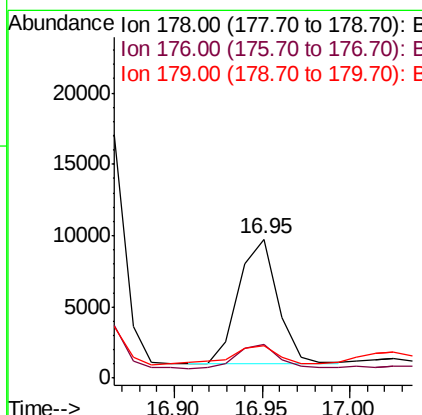
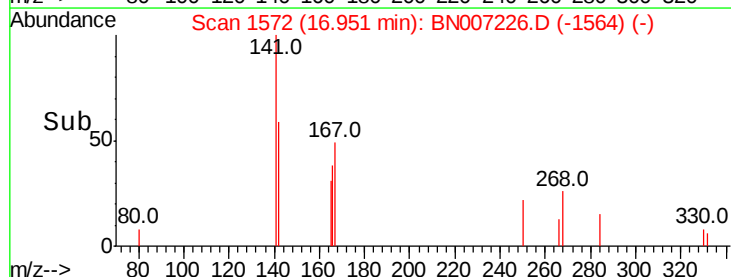
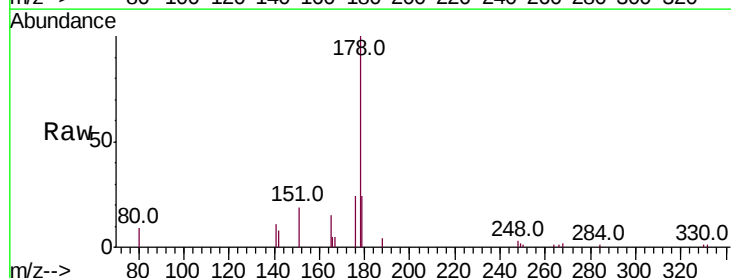
RT: 16.95 min Scan# 1572

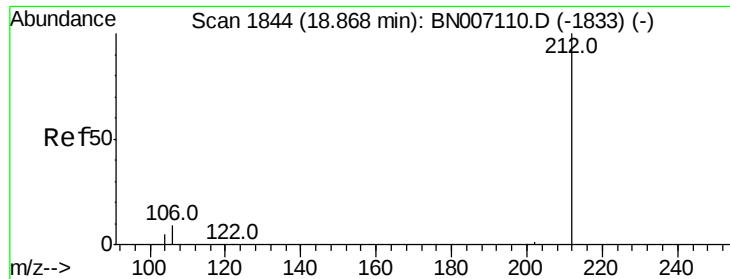
Delta R.T. -0.01 min

Lab File: BN007226.D

Acq: 16 Aug 2019 17:00

Tgt Ion:	178	Resp:	13578
Ion Ratio	Lower	Upper	
178	100		
176	19.9	14.6	21.8
179	16.9	12.5	18.7





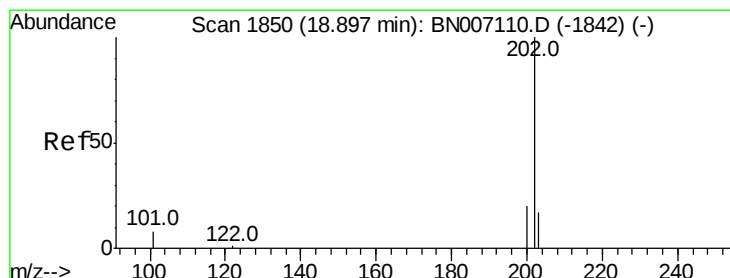
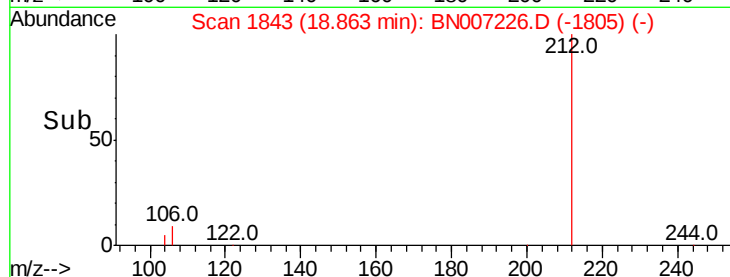
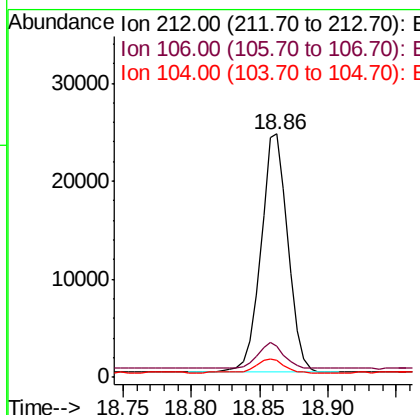
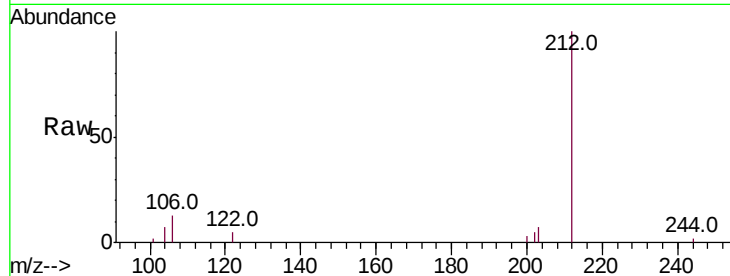
#24
Fluoranthene-d10
Concen: 0.220 ng
RT: 18.86 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

Instrument :
BNA_N
ClientSampleId :
EXT-035-SW101-080619

Tot Ion:	212	Resp:	33449
Ion Ratio	Lower	Upper	
212	100		
106	10.7	8.2	12.2
104	6.0	4.5	6.7

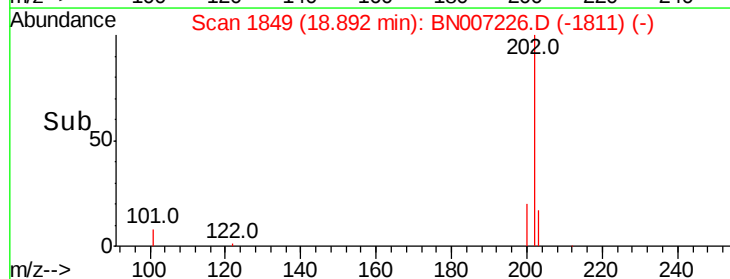
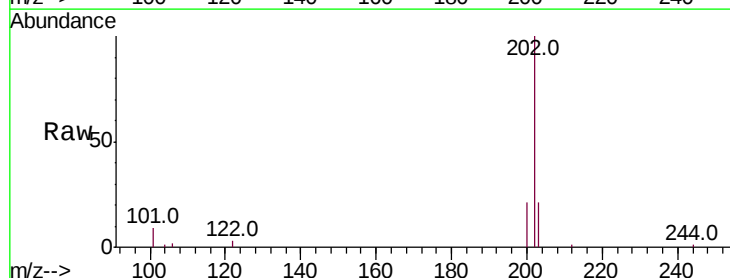
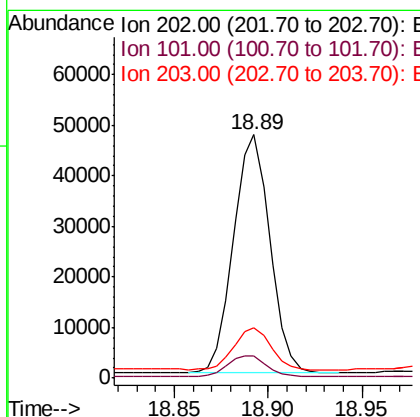
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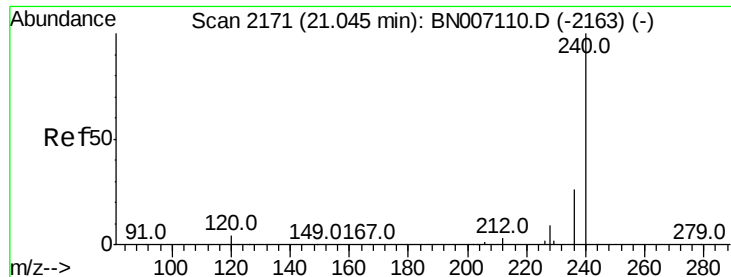
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#25
Fluoranthene
Concen: 0.385 ng
RT: 18.89 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

Tgt Ion:	202	Resp:	63357
Ion Ratio	Lower	Upper	
202	100		
101	8.8	7.0	10.4
203	17.8	13.8	20.8





#26

Chrysene-d12

Concen: 0.400 ng

RT: 21.03 min Scan# 2170

Delta R.T. -0.02 min

Lab File: BN007226.D

Acq: 16 Aug 2019 17:00

Instrument :

BNA_N

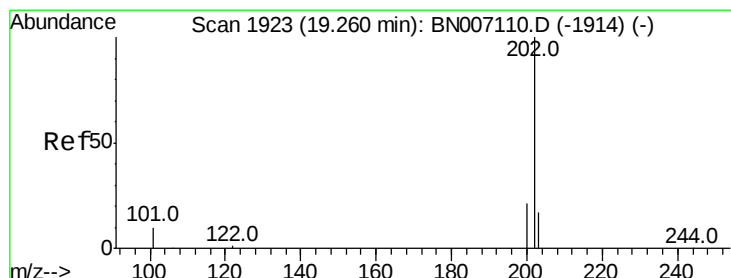
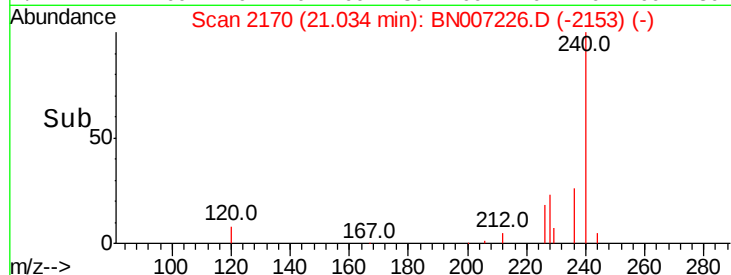
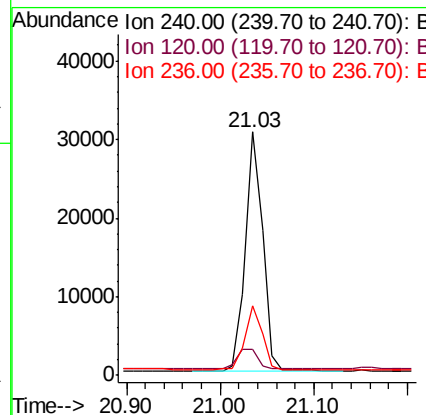
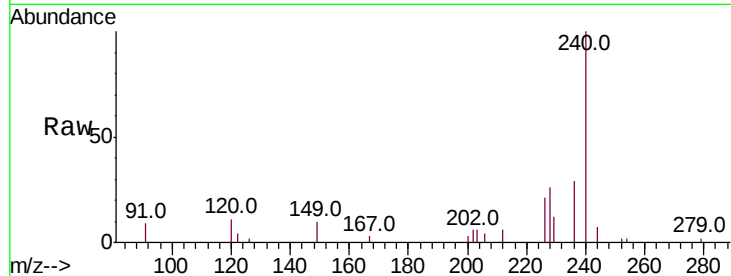
ClientSampleId :

EXT-035-SW101-080619

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.6	4.0	6.0#
236	28.7	21.3	31.9

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#27

Pyrene

Concen: 0.590 ng

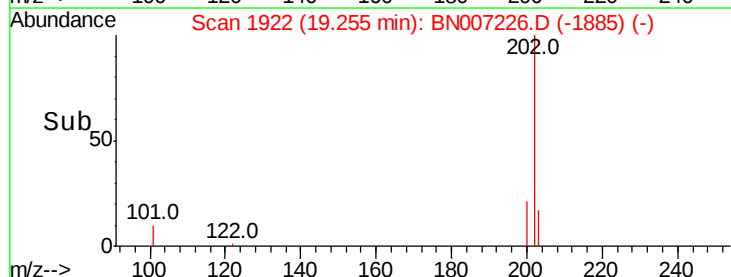
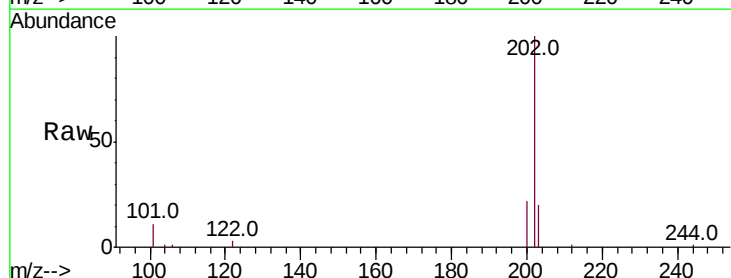
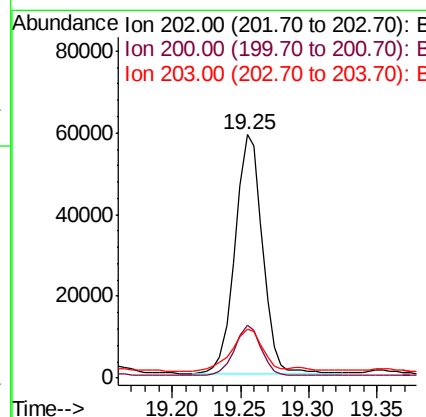
RT: 19.25 min Scan# 1922

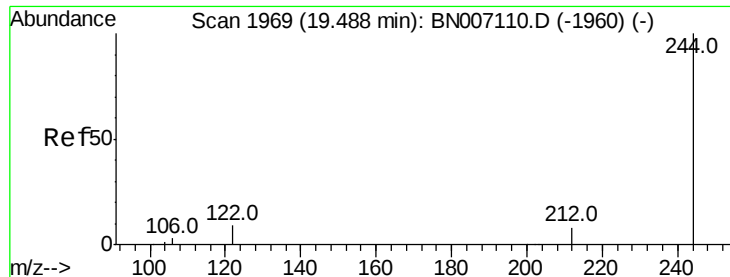
Delta R.T. -0.02 min

Lab File: BN007226.D

Acq: 16 Aug 2019 17:00

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	24.8
203	20.2	14.0	21.0





#28

Terphenyl-d14

Concen: 0.235 ng

RT: 19.48 min Scan# 1968

Delta R.T. -0.02 min

Lab File: BN007226.D

Acq: 16 Aug 2019 17:00

Instrument :

BNA_N

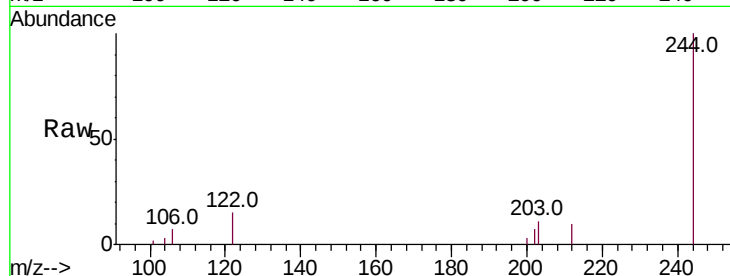
ClientSampleId :

EXT-035-SW101-080619

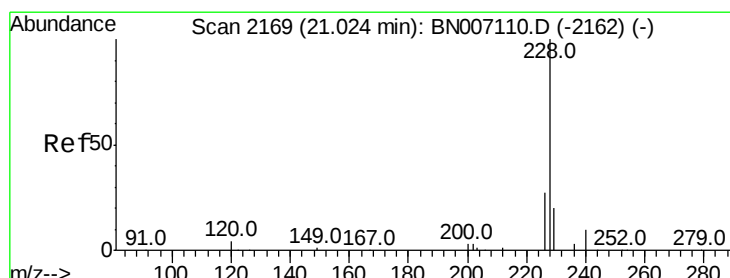
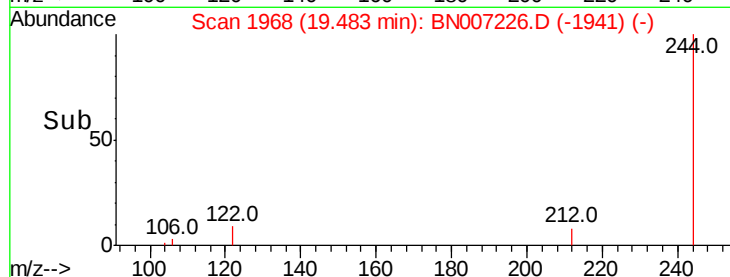
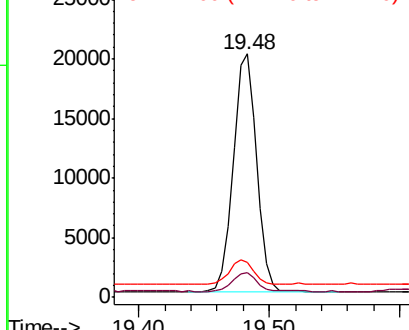
Tot Ion:	244	Resp:	25037
Ion Ratio	Lower	Upper	
244	100		
212	10.1	6.2	9.2#
122	14.6	7.4	11.2#

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



#29

Benzo(a)anthracene

Concen: 0.276 ng

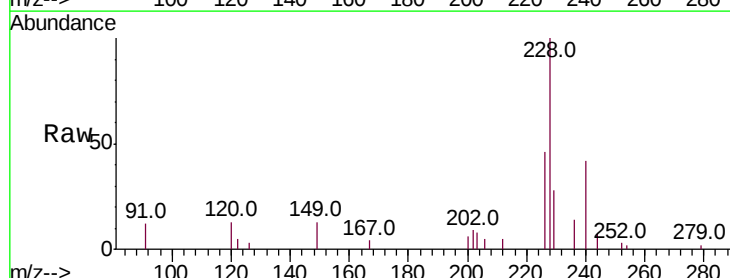
RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

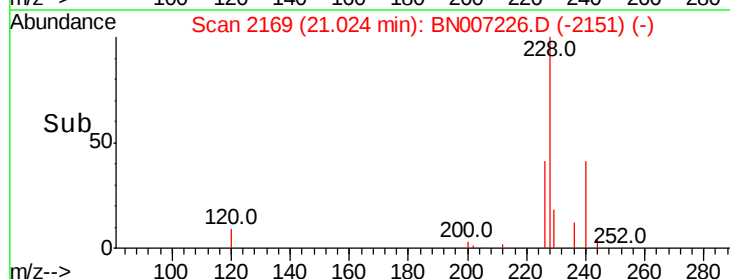
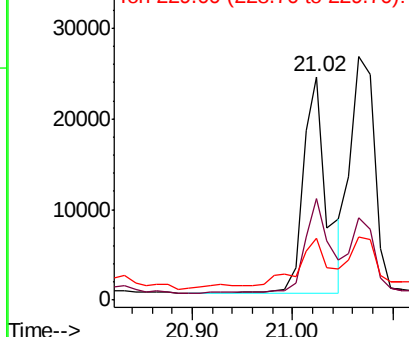
Lab File: BN007226.D

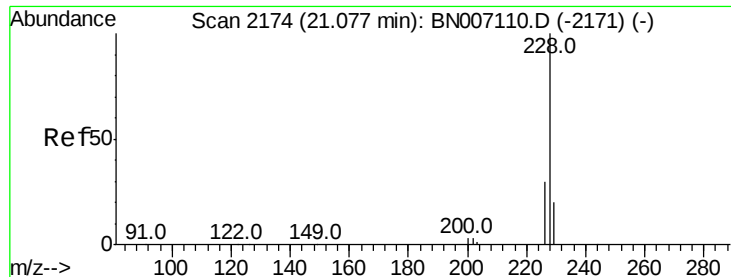
Acq: 16 Aug 2019 17:00

Tgt Ion:	228	Resp:	39451
Ion Ratio	Lower	Upper	
228	100		
226	45.6	21.8	32.6#
229	27.7	15.6	23.4#



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





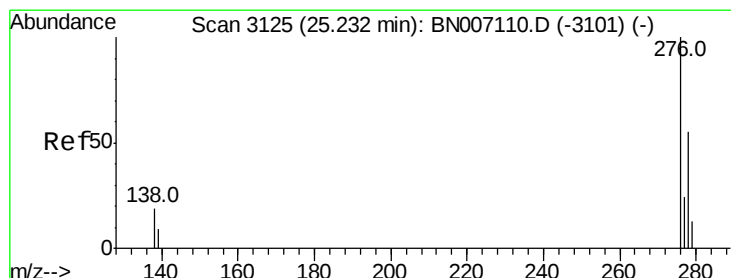
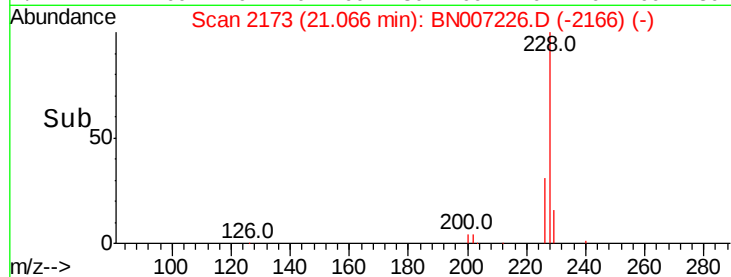
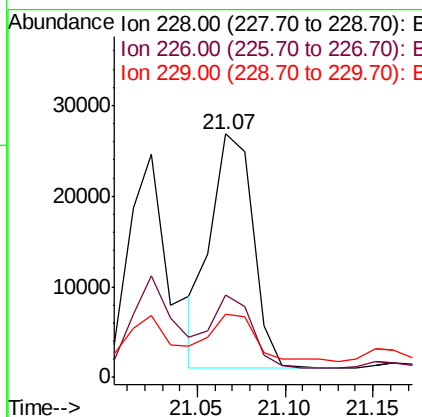
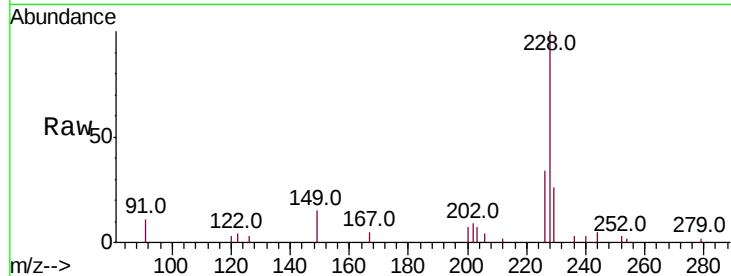
#30
Chrysene
Concen: 0.310 ng
RT: 21.07 min Scan# 2173
Delta R.T. -0.02 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

Instrument :
BNA_N
ClientSampleId :
EXT-035-SW101-080619

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.7	23.8	35.6
229	26.1	15.7	23.5

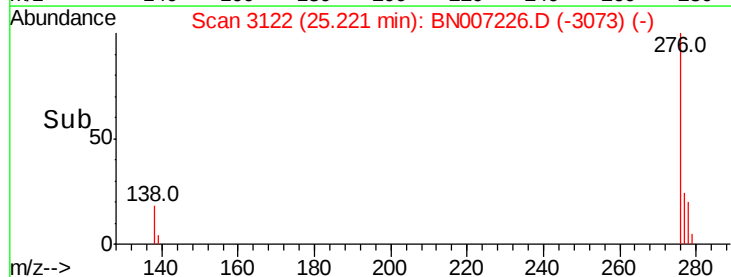
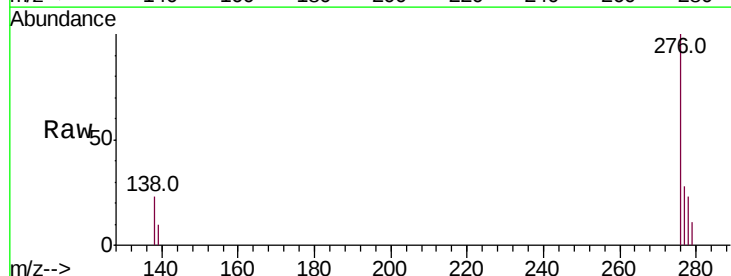
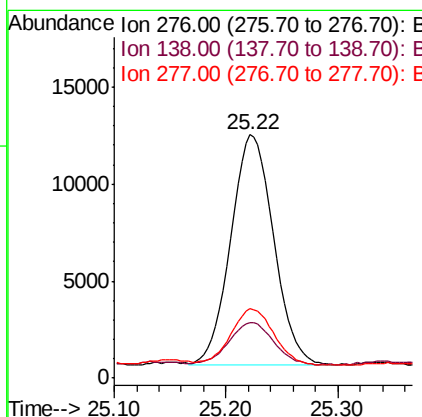
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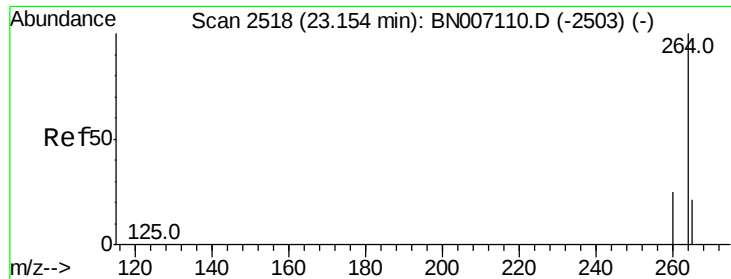
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#31
Indeno(1,2,3-cd)pyrene
Concen: 0.205 ng
RT: 25.22 min Scan# 3122
Delta R.T. -0.03 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.8	16.0	24.0
277	25.1	19.9	29.9





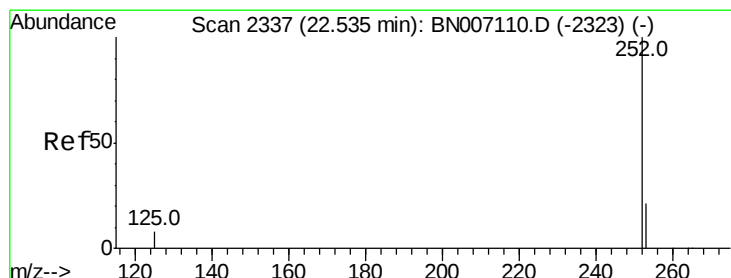
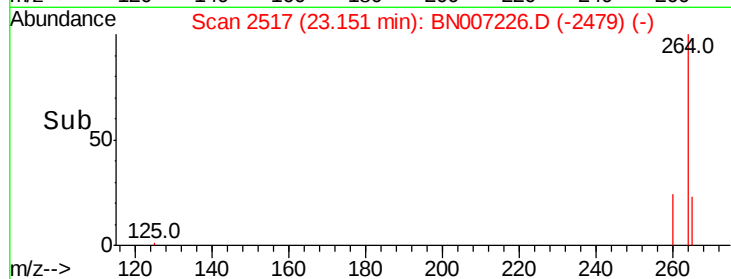
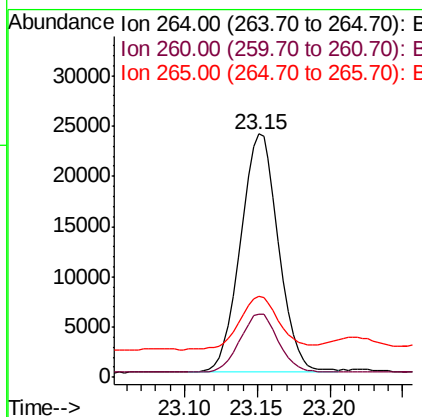
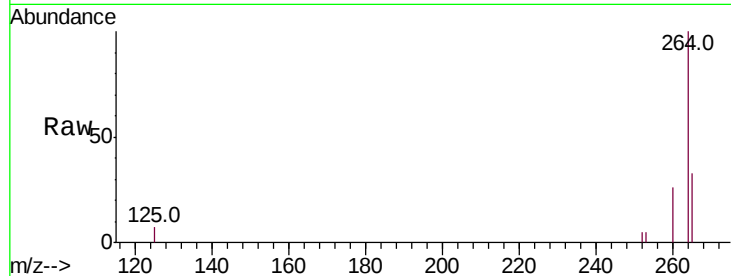
#32
Pervlene-d12
Concen: 0.400 ng
RT: 23.15 min Scan# 2517
Delta R.T. -0.02 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

Instrument :
BNA_N
ClientSampleId :
EXT-035-SW101-080619

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.0	19.8	29.8
265	33.5	26.2	39.4

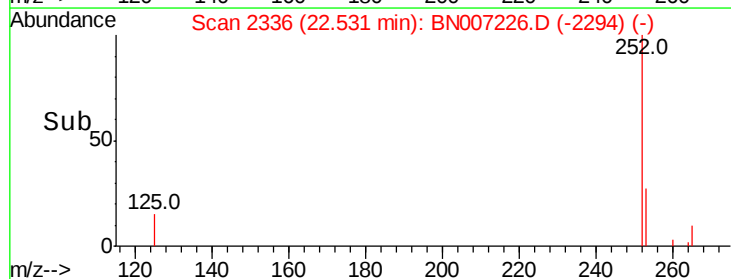
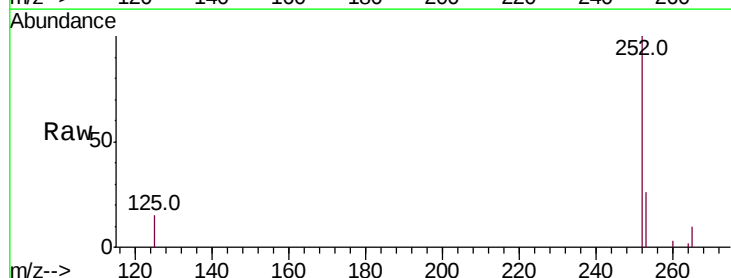
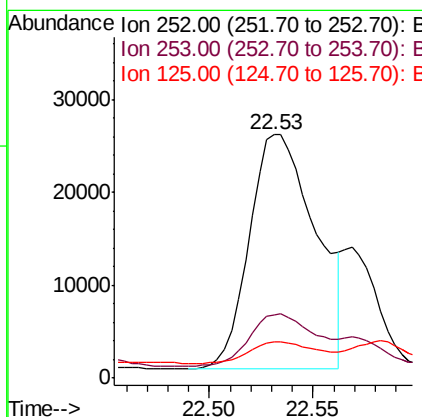
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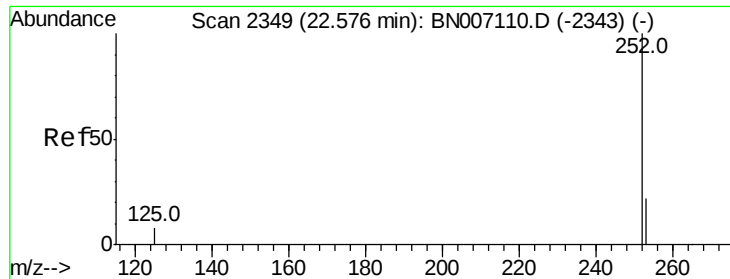
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#33
Benzo(b)fluoranthene
Concen: 0.379 ng
RT: 22.53 min Scan# 2336
Delta R.T. -0.02 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.2	27.2
125	14.8	7.4	11.0





#34

Benzo(k)fluoranthene

Concen: 0.105 ng/mL

RT: 22.57 min Scan# 2347

Delta R.T. -0.02 min

Lab File: BN007226.D

Acq: 16 Aug 2019 17:00

Instrument :

BNA_N

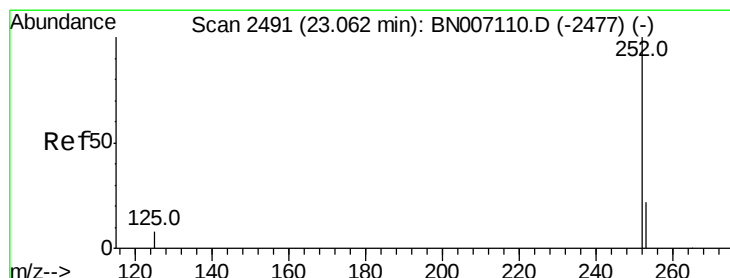
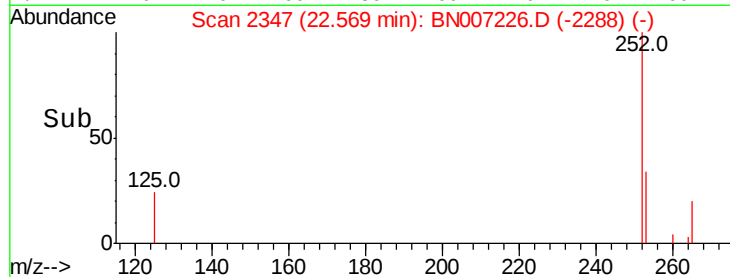
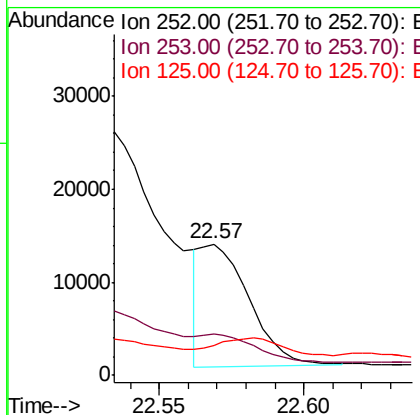
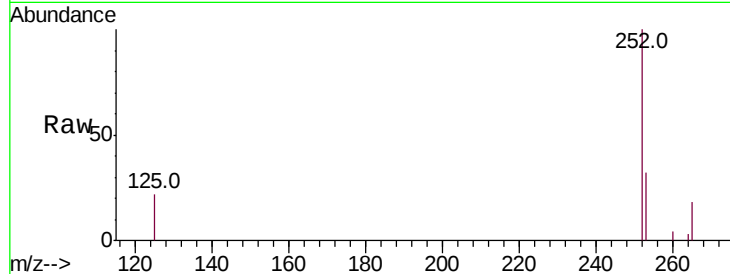
ClientSampleId :

EXT-035-SW101-080619

Tot Ion:	252	Resp:	15385
Ion Ratio	Lower	Upper	
252	100		
253	31.7	18.1	27.1#
125	22.5	7.4	11.0#

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#35

Benzo(a)pyrene

Concen: 0.259 ng/mL

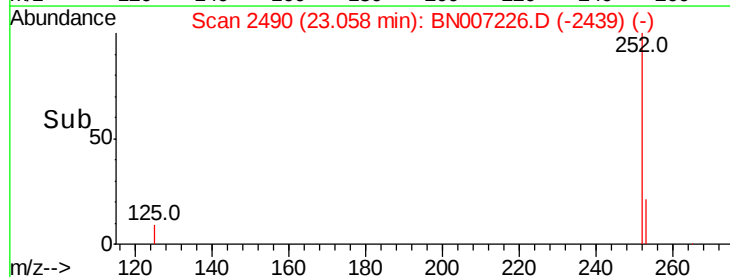
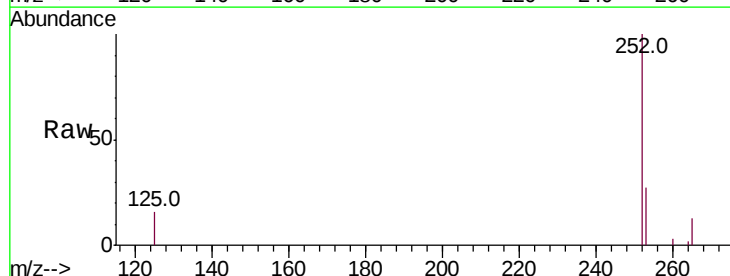
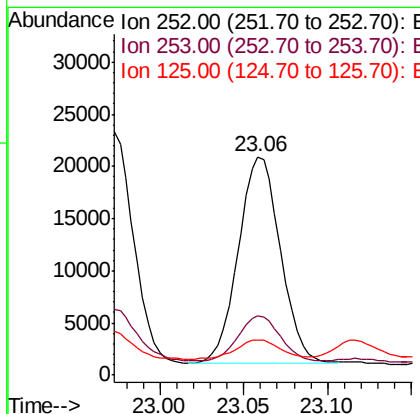
RT: 23.06 min Scan# 2490

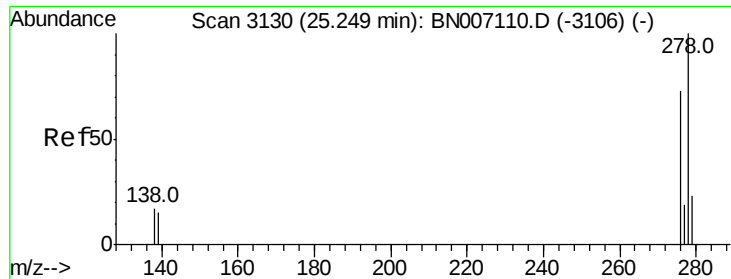
Delta R.T. -0.02 min

Lab File: BN007226.D

Acq: 16 Aug 2019 17:00

Tgt Ion:	252	Resp:	34740
Ion Ratio	Lower	Upper	
252	100		
253	27.0	18.5	27.7
125	15.9	8.2	12.4#





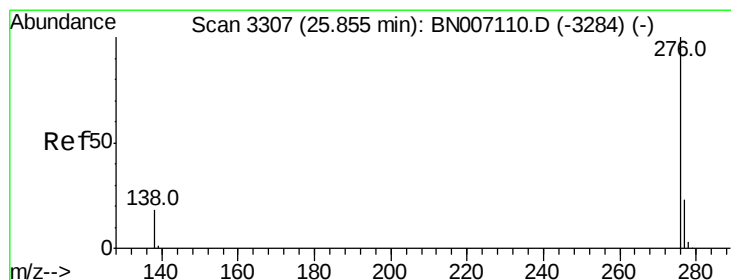
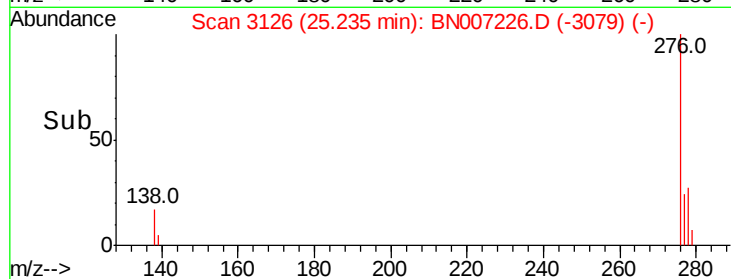
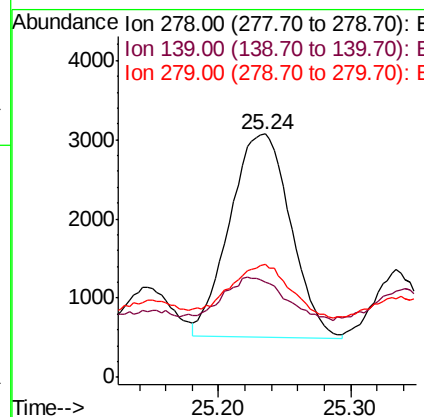
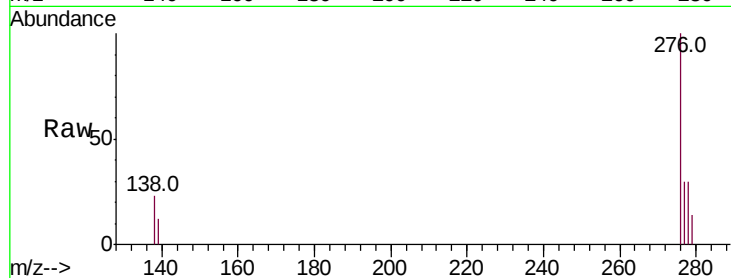
#36
Dibenzo(a,h)anthracene
Concen: 0.061 ng
RT: 25.24 min Scan# 3126
Delta R.T. -0.04 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

Instrument :
BNA_N
ClientSampleId :
EXT-035-SW101-080619

Tot Ion	Ratio	Lower	Upper
278	100		
139	39.0	11.3	16.9#
279	46.5	19.3	28.9#

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#37
Benzo(g,h,i)perylene
Concen: 0.263 ng
RT: 25.85 min Scan# 3306
Delta R.T. -0.03 min
Lab File: BN007226.D
Acq: 16 Aug 2019 17:00

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.5	19.8	29.8
138	22.3	14.6	22.0#

