

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082319\
 Data File : BN007354.D
 Acq On : 24 Aug 2019 07:38
 Operator : HP/JU
 Sample : K4282-20 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-010-SW152-080819DL

Manual Integrations
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 8/29/2019 8:00:06 AM

Quant Time: Aug 24 23:02:44 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	5485	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	24094	0.40	ng	-0.01
13) Acenaphthene-d10	14.05	164	13184	0.40	ng	0.00
19) Phenanthrene-d10	16.79	188	28928	0.40	ng	0.00
27) Chrysene-d12	21.02	240	28581	0.40	ng	0.00
34) Perylene-d12	23.13	264	35746	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.04	112	915	0.02	ng	0.00
5) Phenol-d6	6.60	99	1174	0.02	ng	0.00
8) Nitrobenzene-d5	8.53	82	868	0.04	ng	0.00
11) 2-Methylnaphthalene-d10	11.76	152	1947	0.05	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	375	0.05	ng	0.00
15) 2-Fluorobiphenyl	12.66	172	2352	0.04	ng	0.00
25) Fluoranthene-d10	18.84	212	4122	0.04	ng	0.00
29) Terphenyl-d14	19.46	244	2756	0.04	ng	0.00

Target Compounds				Qvalue		
9) Naphthalene	10.20	128	7322	0.106	ng	95
12) 2-Methylnaphthalene	11.83	142	4703	0.100	ng	98
16) Acenaphthylene	13.76	152	44176	0.566	ng	99
17) Acenaphthene	14.11	154	3118	0.068	ng	# 92
18) Fluorene	15.10	166	7383	0.128	ng	# 86
22) Pentachlorophenol	16.46	266	180	0.030	ng	85
23) Phenanthrene	16.84	178	109589	1.259	ng	99
24) Anthracene	16.93	178	39869	0.456	ng	99
26) Fluoranthene	18.87	202	251212	2.249	ng	99
28) Pvrene	19.24	202	259469	2.257	ng	98
30) Benzo(a)anthracene	21.00	228	142123m	1.266	ng	
31) Chrysene	21.06	228	162031	1.496	ng	98
32) Bis(2-ethylhexyl)phthalate	20.97	149	67364	0.909	ng	98
33) Indeno(1,2,3-cd)pyrene	25.18	276	99797	0.765	ng	97
35) Benzo(b)fluoranthene	22.51	252	234927m	1.814	ng	
36) Benzo(k)fluoranthene	22.54	252	66838m	0.522	ng	
37) Benzo(a)pvrene	23.03	252	123526m	1.002	ng	
38) Dibenzo(a,h)anthracene	25.19	278	26447	0.215	ng	# 89
39) Benzo(g,h,i)perylene	25.81	276	97863	0.799	ng	97

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



#1

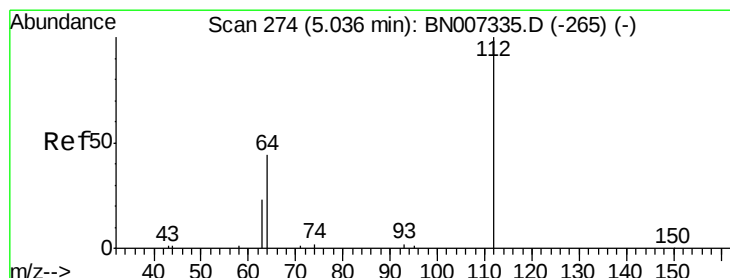
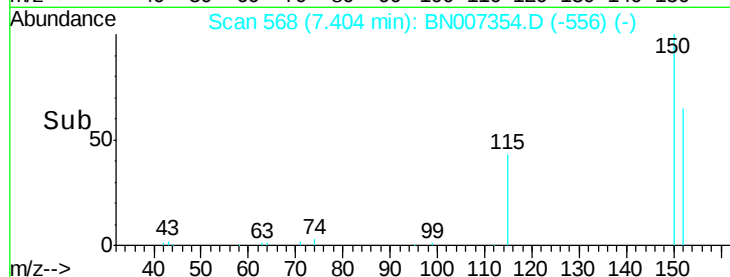
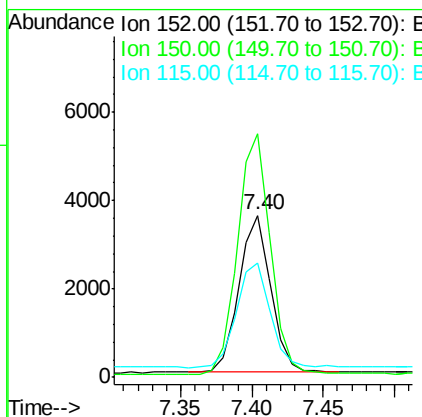
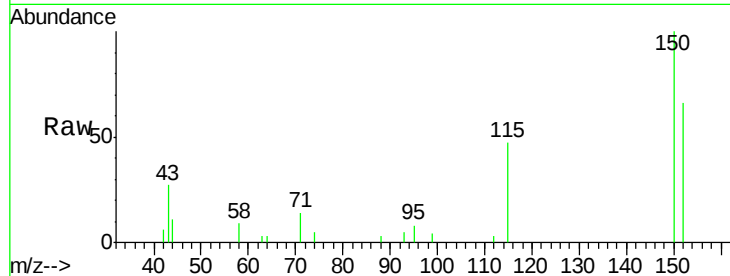
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 568
Delta R.T. -0.00 min
Lab File: BN007354.D
Acq: 24 Aug 2019 07:38

Instrument :
BNA_N
ClientSampleId :
EXT-010-SW152-080819DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.4	109.1	163.7
115	70.8	59.6	89.4

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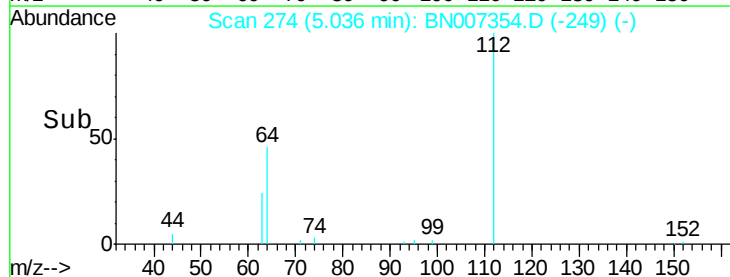
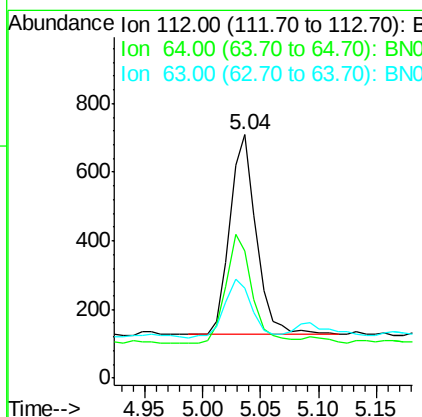
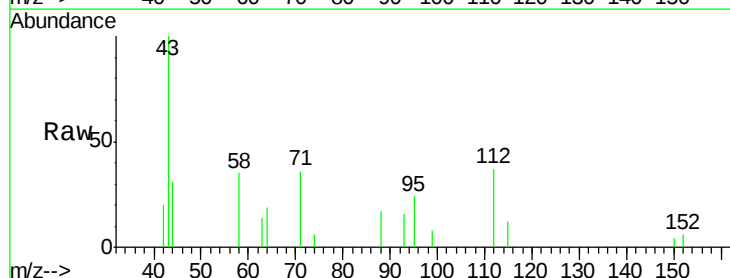
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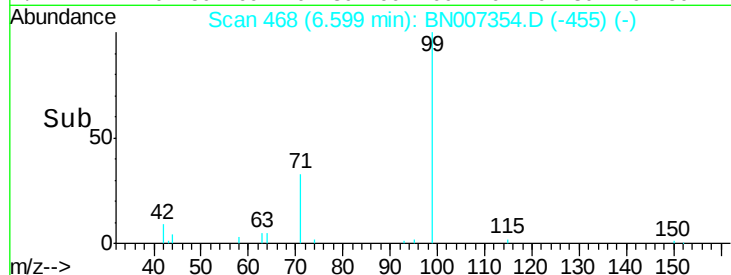
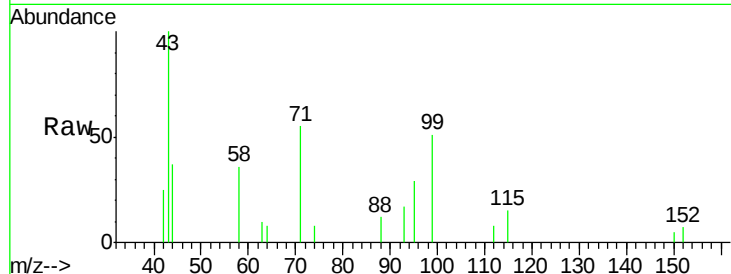


#4

2-Fluorophenol
Concen: 0.021 ng
RT: 5.04 min Scan# 274
Delta R.T. 0.00 min
Lab File: BN007354.D
Acq: 24 Aug 2019 07:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	42.3	63.5
63	30.9	23.6	35.4





#5

Phenol-d6

Concen: 0.020 ng

RT: 6.60 min Scan# 468

Delta R.T. 0.01 min

Lab File: BN007354.D

Acq: 24 Aug 2019 07:38

Tot Ion:	99	Resp:	1174
Ion	Ratio	Lower	Upper
99	100		
42	21.5	11.2	16.8#
71	42.3	31.8	47.8

Instrument :

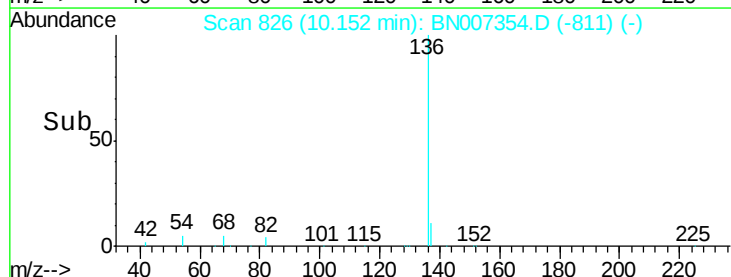
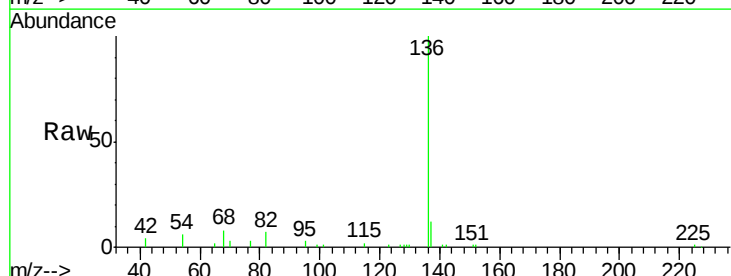
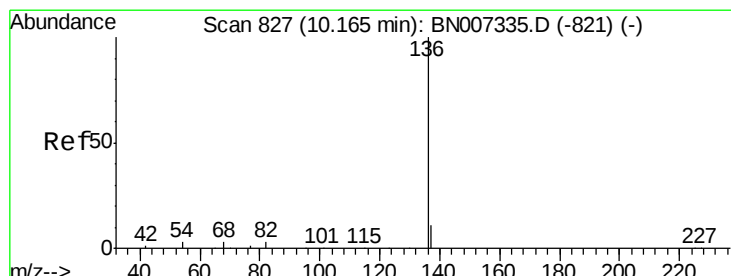
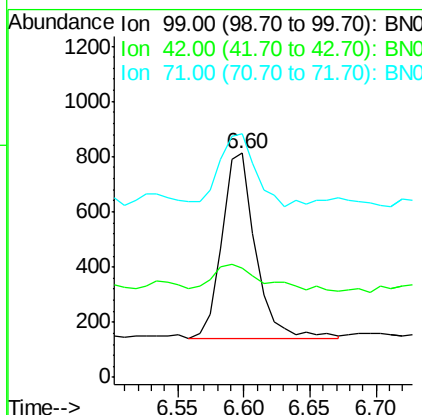
BNA_N

ClientSampleId :

EXT-010-SW152-080819DL

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#7

Naphthalene-d8

Concen: 0.400 ng

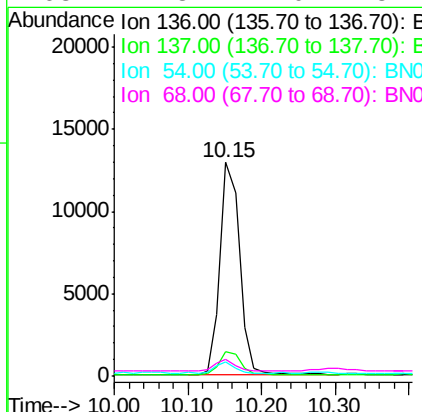
RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007354.D

Acq: 24 Aug 2019 07:38

Tgt Ion:	136	Resp:	24094
Ion	Ratio	Lower	Upper
136	100		
137	11.5	12.9	19.3#
54	6.3	8.6	12.8#
68	7.8	17.0	25.4#





#8

Nitrobenzene-d5

Concen: 0.041 ng

RT: 8.53 min Scan# 698

Delta R.T. -0.00 min

Lab File: BN007354.D

Acq: 24 Aug 2019 07:38

Instrument :

BNA_N

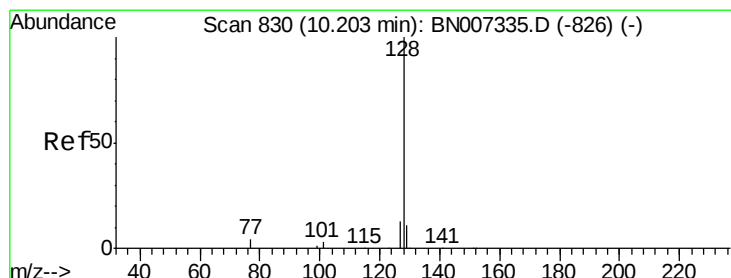
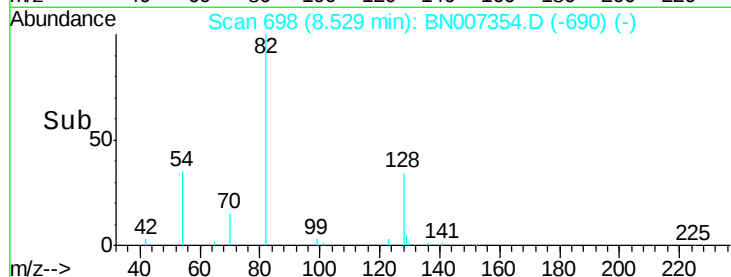
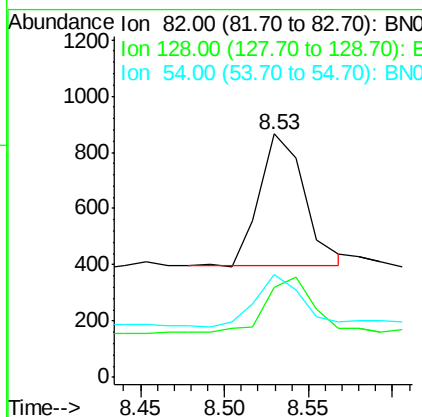
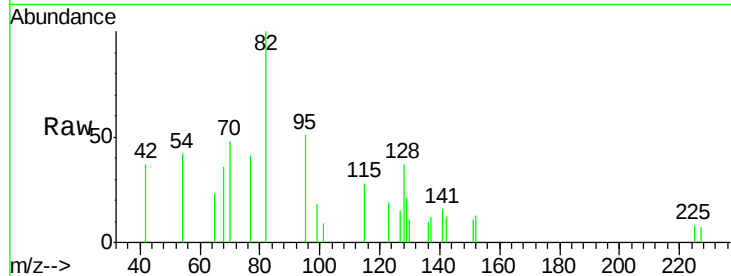
ClientSampleId :

EXT-010-SW152-080819DL

Tot Ion:	82	Resp:	868
Ion	Ratio	Lower	Upper
82	100		
128	36.7	19.7	29.5#
54	42.0	25.8	38.6#

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#9

Naphthalene

Concen: 0.106 ng

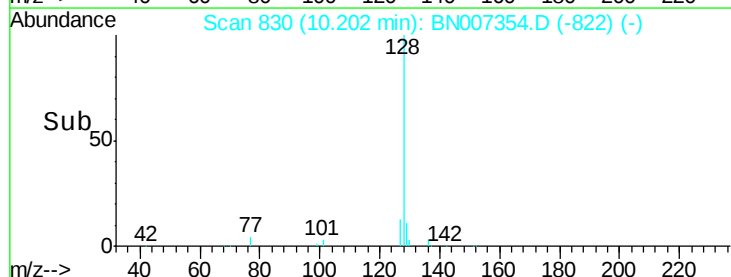
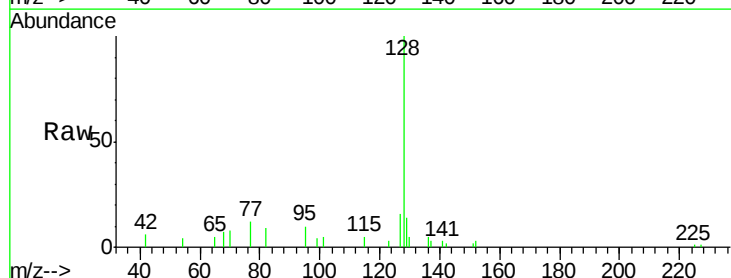
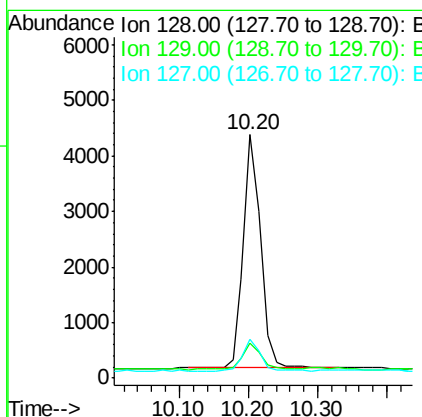
RT: 10.20 min Scan# 830

Delta R.T. -0.00 min

Lab File: BN007354.D

Acq: 24 Aug 2019 07:38

Tgt Ion:	128	Resp:	7322
Ion	Ratio	Lower	Upper
128	100		
129	14.4	11.1	16.7
127	15.9	15.5	23.3





#11

2-Methylnaphthalene-d10

Concen: 0.049 ng

RT: 11.76 min Scan# 989

Delta R.T. -0.00 min

Lab File: BN007354.D

Acq: 24 Aug 2019 07:38

Instrument :

BNA_N

ClientSampleId :

EXT-010-SW152-080819DL

Tot Ion:152 Resp: 1947

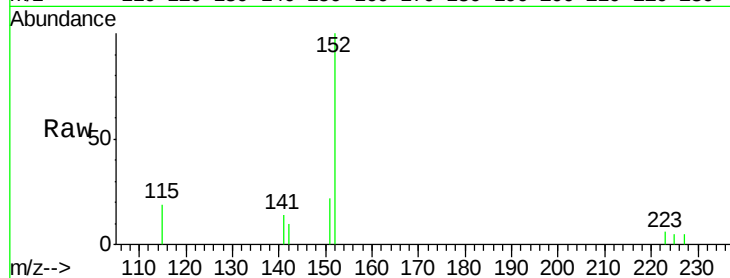
Ion Ratio Lower Upper

152 100

151 19.4 16.2 24.2

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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.76

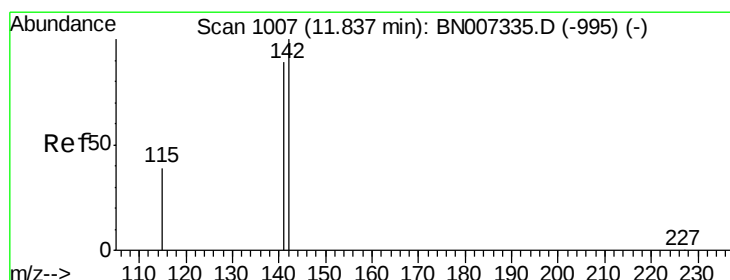
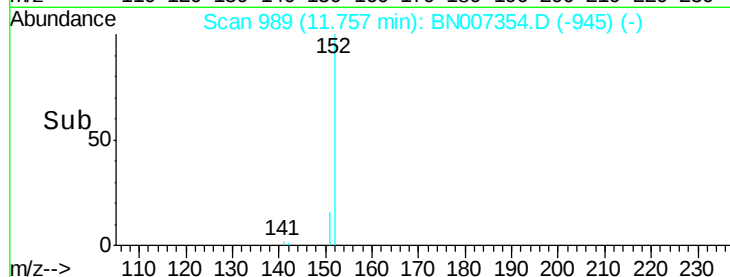
1000

500

0

Time-->

11.70 11.75 11.80 11.85



#12

2-Methylnaphthalene

Concen: 0.100 ng

RT: 11.83 min Scan# 1006

Delta R.T. -0.00 min

Lab File: BN007354.D

Acq: 24 Aug 2019 07:38

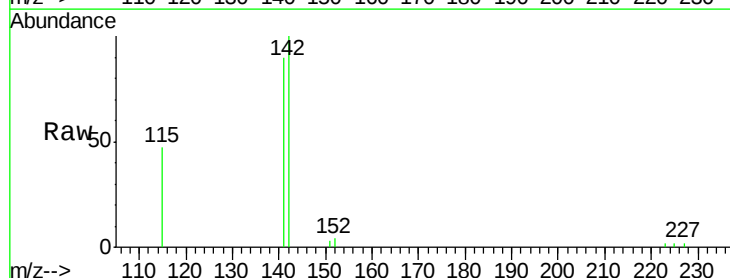
Tgt Ion:142 Resp: 4703

Ion Ratio Lower Upper

142 100

141 90.5 72.8 109.2

115 46.6 35.2 52.8



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

11.83

4000

3000

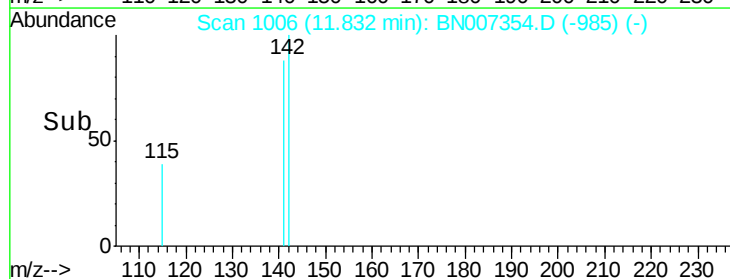
2000

1000

0

Time-->

11.80 11.90





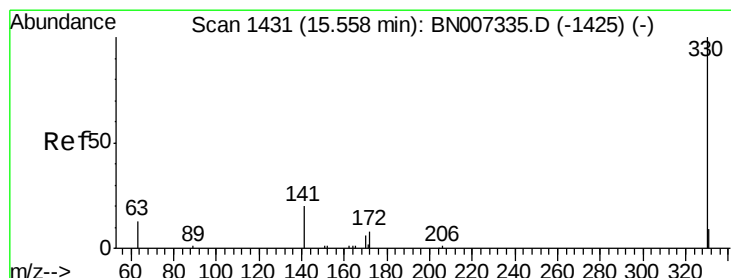
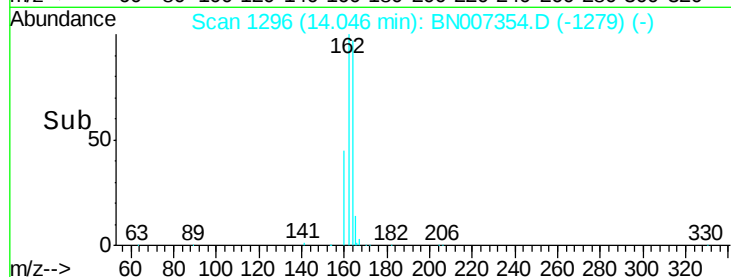
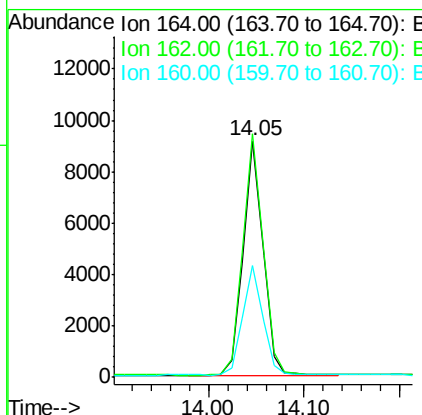
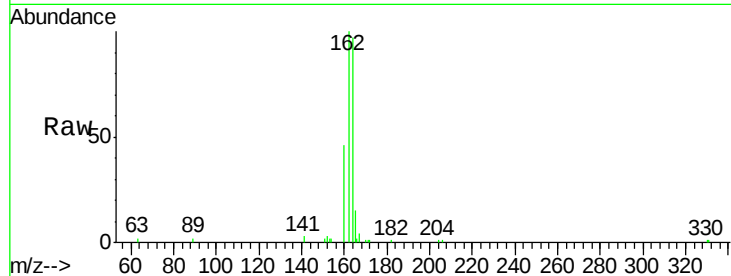
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.05 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BN007354.D
Acq: 24 Aug 2019 07:38

Instrument :
BNA_N
ClientSampleId :
EXT-010-SW152-080819DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.2	83.5	125.3
160	47.5	38.2	57.4

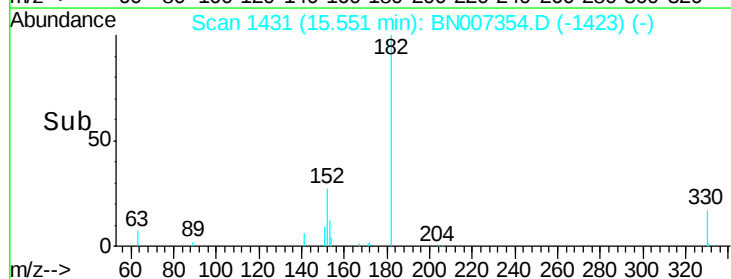
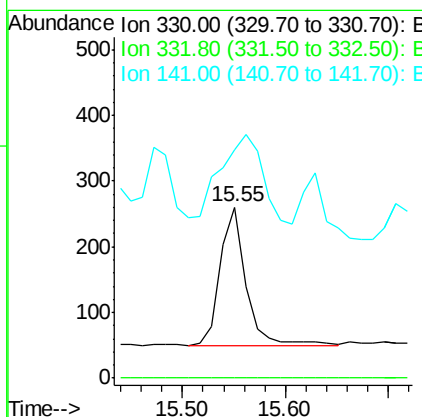
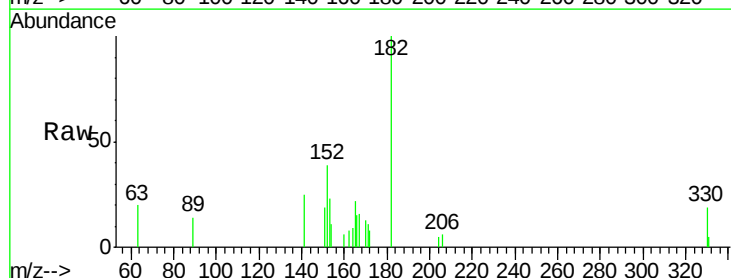
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#14
2,4,6-Tribromophenol
Concen: 0.054 ng
RT: 15.55 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BN007354.D
Acq: 24 Aug 2019 07:38

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	111.2	26.9	40.3#





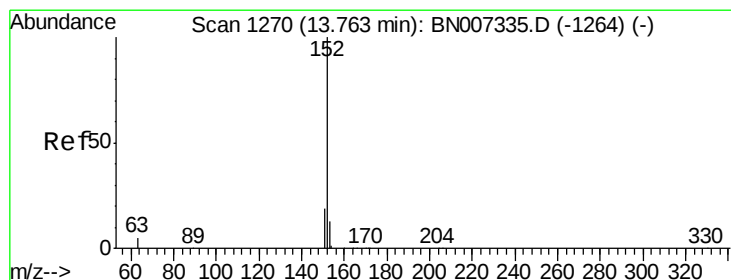
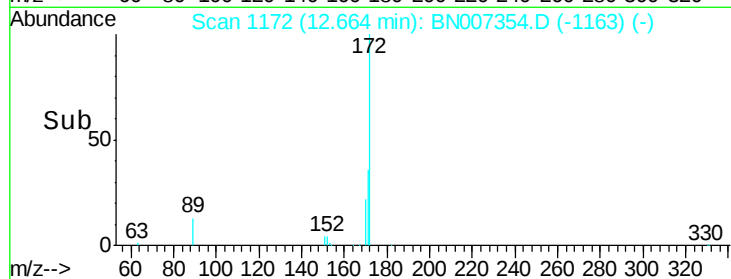
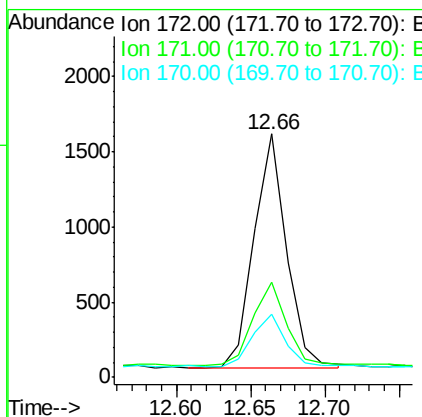
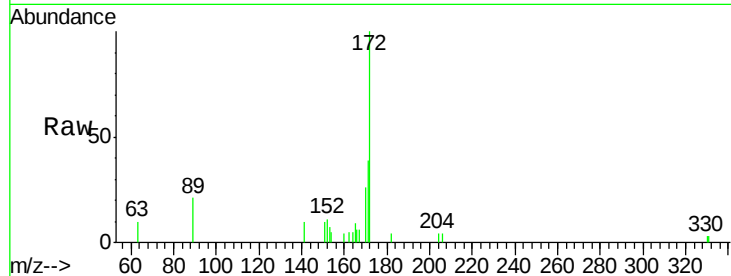
#15
2-Fluorobiphenyl
Concen: 0.044 ng
RT: 12.66 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN007354.D
Acq: 24 Aug 2019 07:38

Instrument :
BNA_N
ClientSampleId :
EXT-010-SW152-080819DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	39.0	30.3	45.5
170	25.8	20.7	31.1

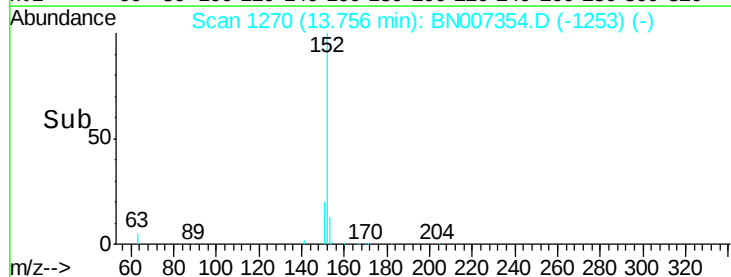
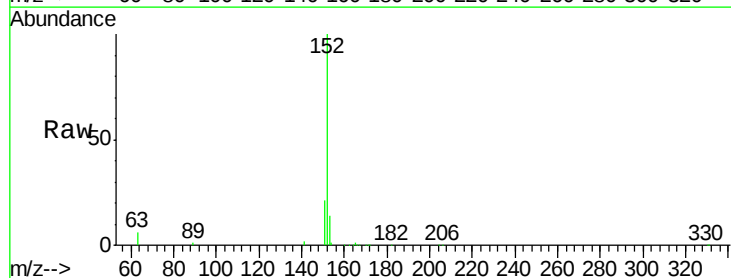
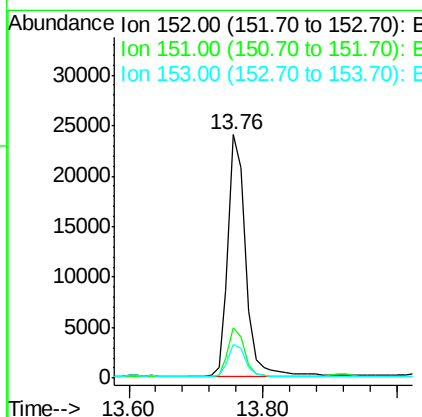
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#16
Acenaphthylene
Concen: 0.566 ng
RT: 13.76 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BN007354.D
Acq: 24 Aug 2019 07:38

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.1	24.1
153	13.3	10.6	15.8





#17

Acenaphthene

Concen: 0.068 ng

RT: 14.11 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BN007354.D

Acq: 24 Aug 2019 07:38

Instrument :

BNA_N

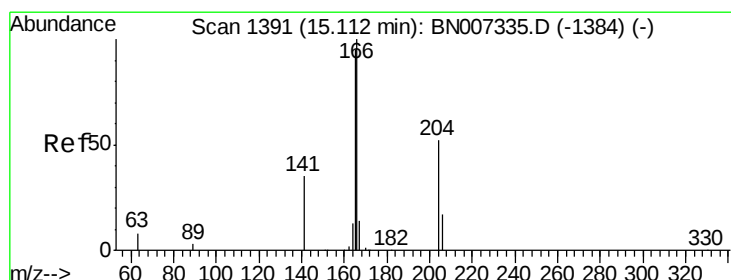
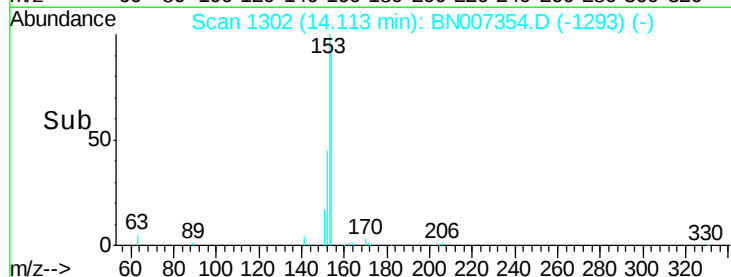
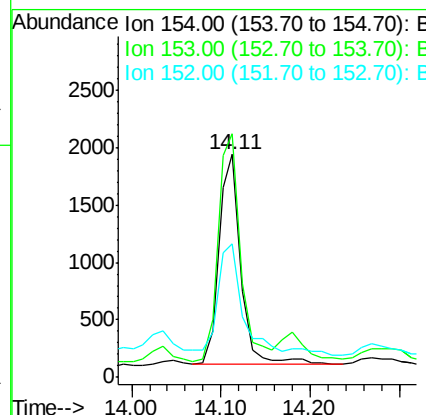
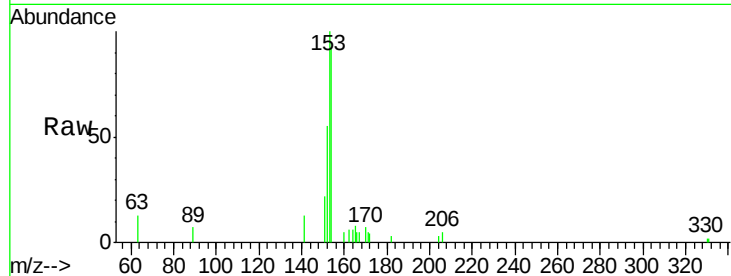
ClientSampleId :

EXT-010-SW152-080819DL

Tot Ion:	154	Resp:	3118
Ion Ratio	Lower	Upper	
154	100		
153	111.6	92.8	139.2
152	66.3	43.8	65.8#

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#18

Fluorene

Concen: 0.128 ng

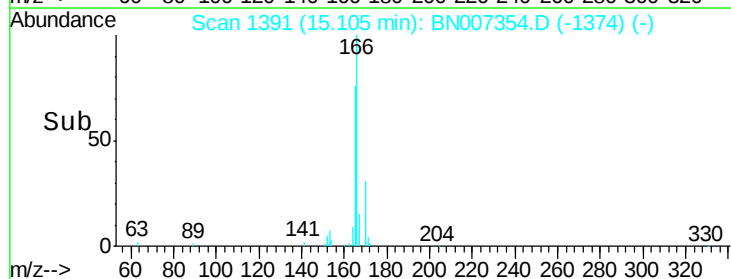
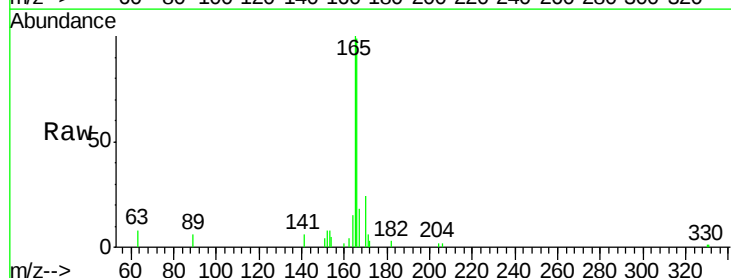
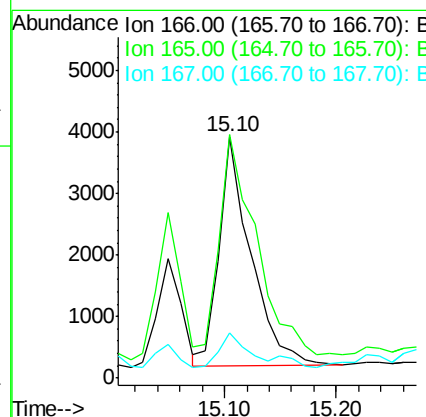
RT: 15.10 min Scan# 1391

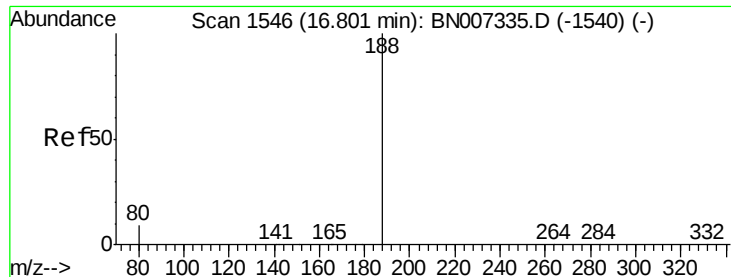
Delta R.T. -0.01 min

Lab File: BN007354.D

Acq: 24 Aug 2019 07:38

Tgt Ion:	166	Resp:	7383
Ion Ratio	Lower	Upper	
166	100		
165	113.5	79.0	118.4
167	17.6	10.6	15.8#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.79 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BN007354.D

Acq: 24 Aug 2019 07:38

Instrument :

BNA_N

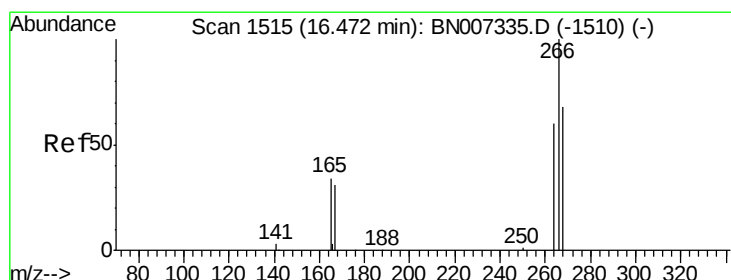
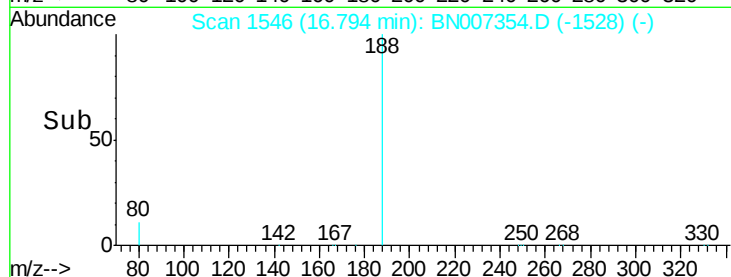
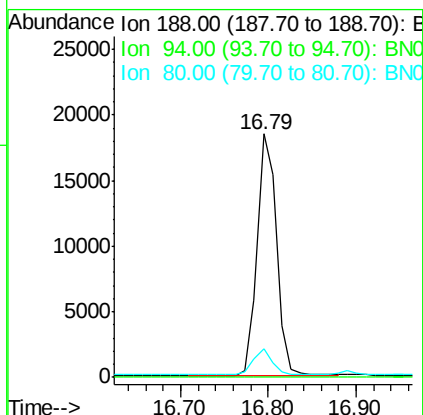
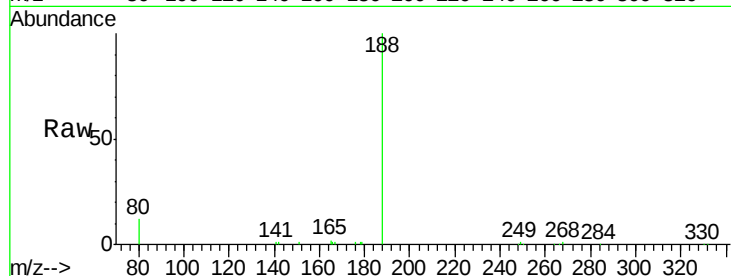
ClientSampleId :

EXT-010-SW152-080819DL

Tot Ion:	188	Resp:	28928
Ion Ratio		Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.0	11.8	17.8

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#22

Pentachlorophenol

Concen: 0.030 ng

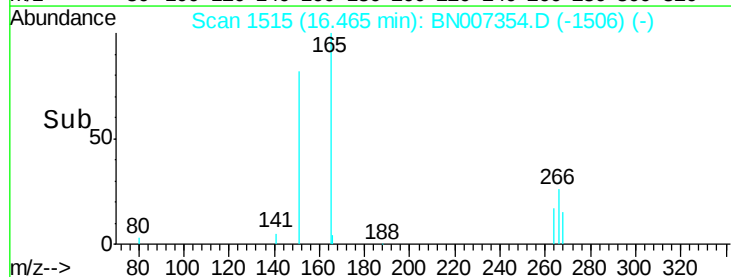
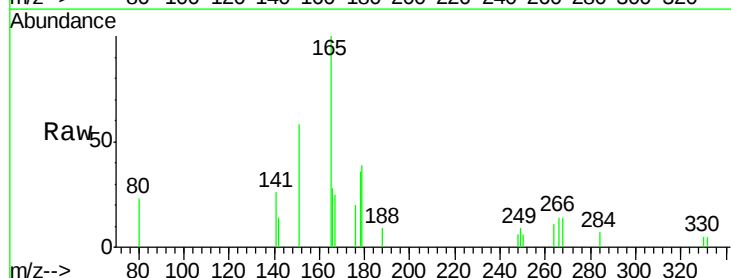
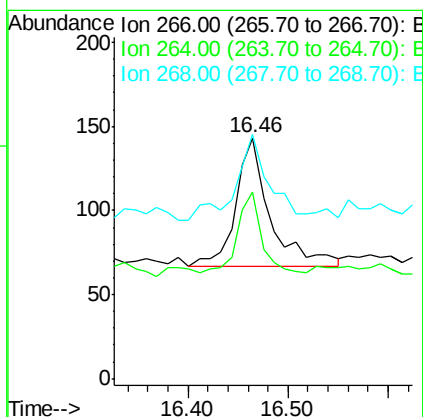
RT: 16.46 min Scan# 1515

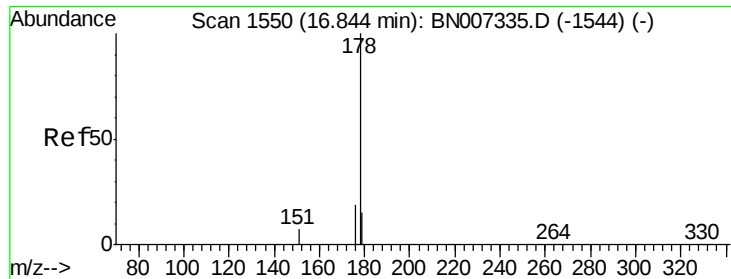
Delta R.T. -0.01 min

Lab File: BN007354.D

Acq: 24 Aug 2019 07:38

Tgt Ion:	266	Resp:	180
Ion Ratio		Lower	Upper
266	100		
264	77.6	57.8	86.8
268	101.4	99.7	149.5





#23

Phenanthrene

Concen: 1.259 ng

RT: 16.84 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BN007354.D

Acq: 24 Aug 2019 07:38

Instrument :

BNA_N

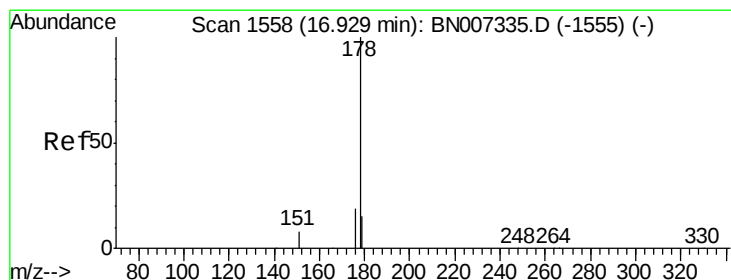
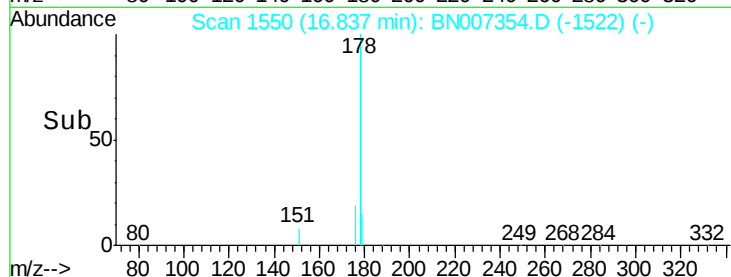
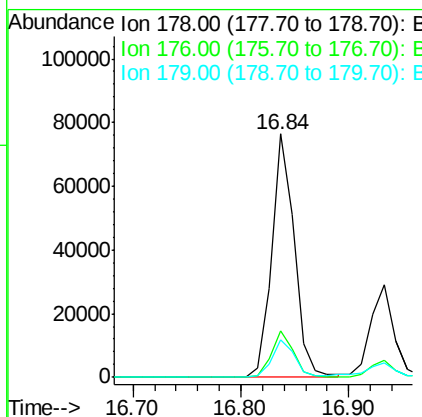
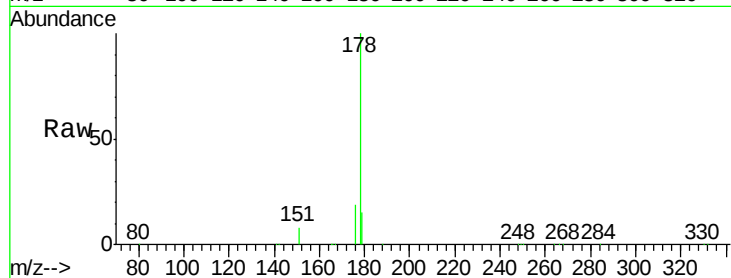
ClientSampleId :

EXT-010-SW152-080819DL

Tot Ion:	178	Resp:	109589
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.3	22.9
179	15.4	12.6	19.0

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#24

Anthracene

Concen: 0.456 ng

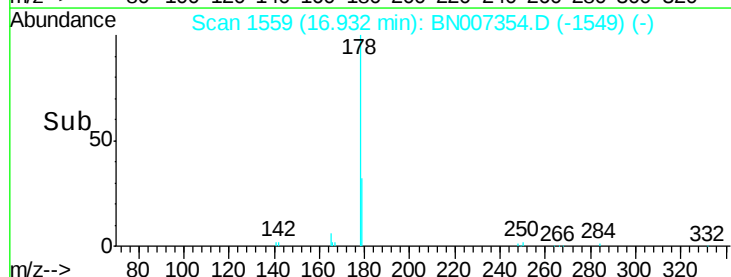
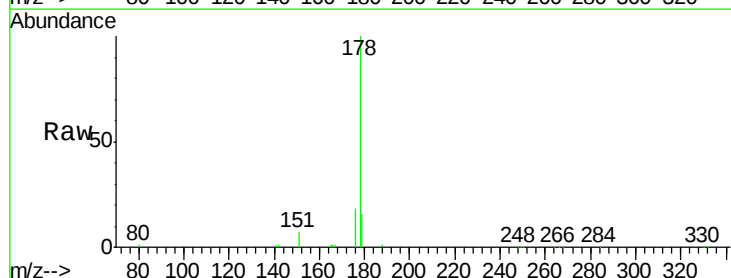
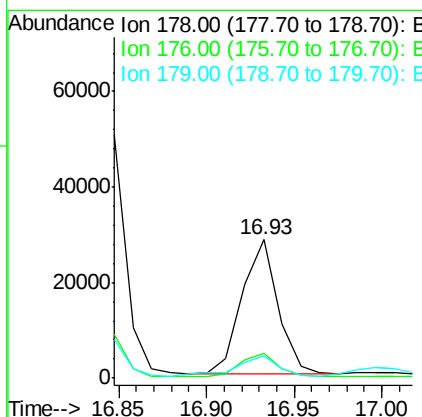
RT: 16.93 min Scan# 1559

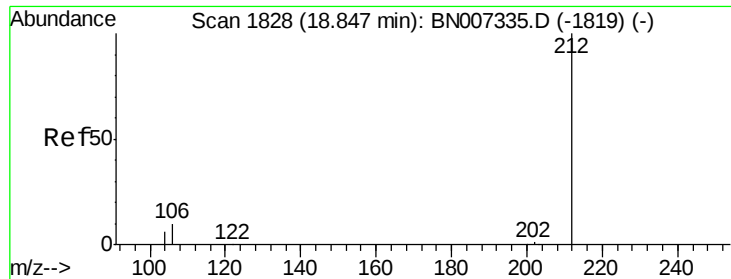
Delta R.T. 0.00 min

Lab File: BN007354.D

Acq: 24 Aug 2019 07:38

Tgt Ion:	178	Resp:	39869
Ion Ratio	Lower	Upper	
178	100		
176	18.3	14.9	22.3
179	16.6	12.4	18.6





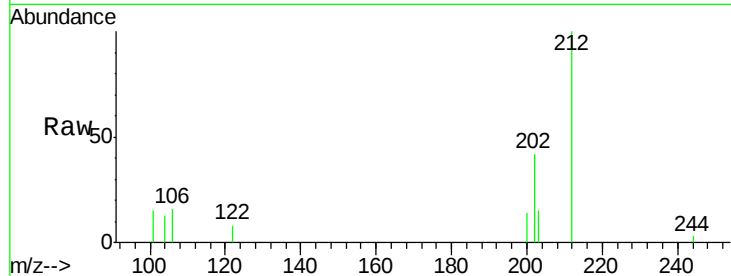
#25
Fluoranthene-d10
Concen: 0.044 ng
RT: 18.84 min Scan# 1829
Delta R.T. -0.00 min
Lab File: BN007354.D
Acq: 24 Aug 2019 07:38

Instrument :
BNA_N
ClientSampleId :
EXT-010-SW152-080819DL

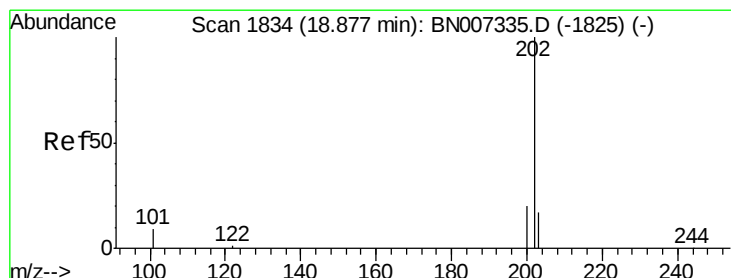
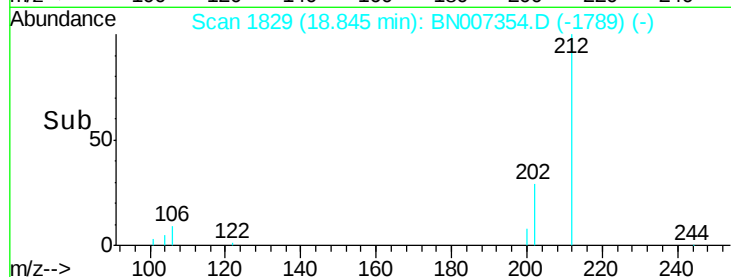
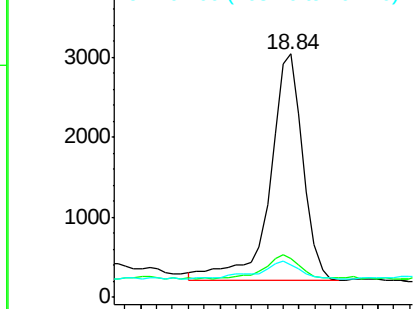
Tot Ion	Ratio	Lower	Upper
212	100		
106	11.9	9.0	13.4
104	7.7	5.4	8.2

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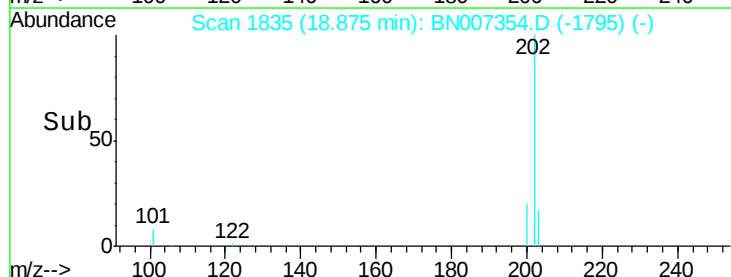
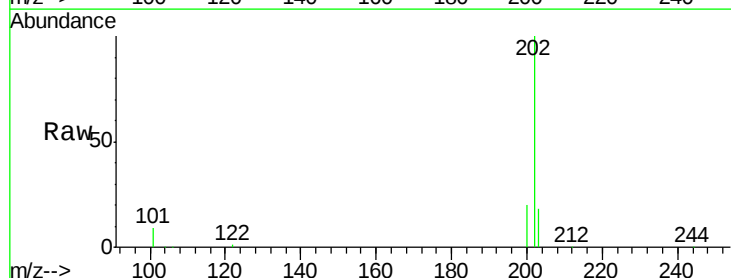
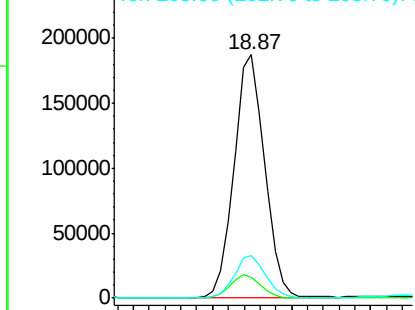
Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E

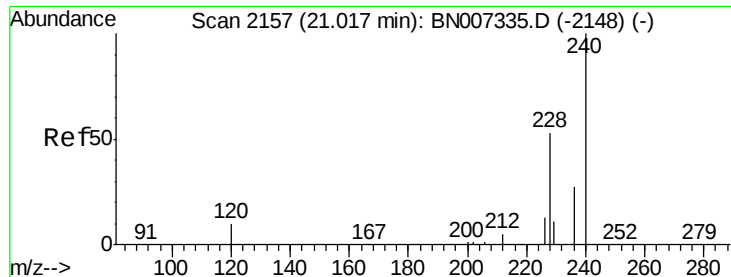


#26
Fluoranthene
Concen: 2.249 ng
RT: 18.87 min Scan# 1835
Delta R.T. -0.00 min
Lab File: BN007354.D
Acq: 24 Aug 2019 07:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.5	7.7	11.5
203	17.5	13.7	20.5

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





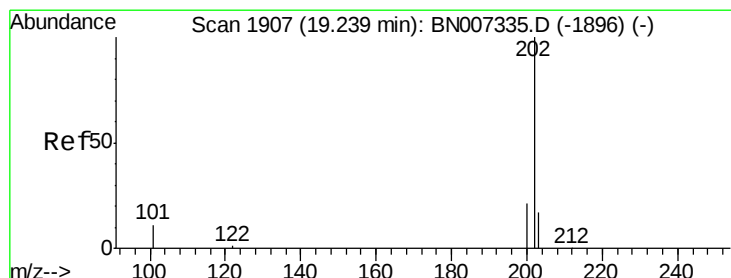
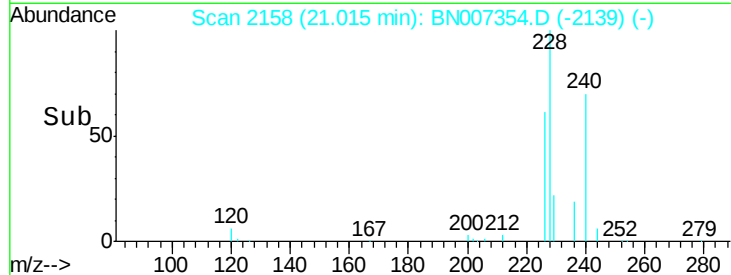
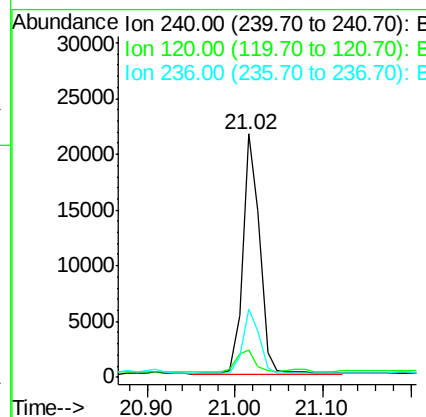
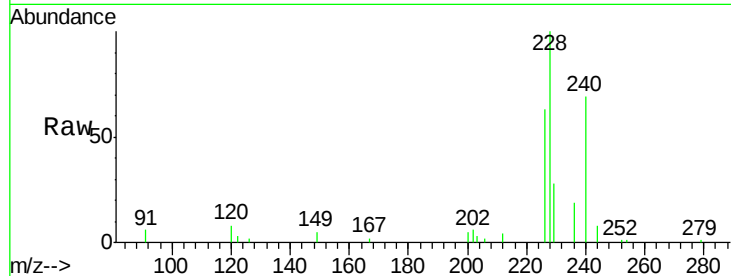
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.02 min Scan# 2158
Delta R.T. -0.00 min
Lab File: BN007354.D
Acq: 24 Aug 2019 07:38

Instrument :
BNA_N
ClientSampleId :
EXT-010-SW152-080819DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.6	14.4
236	27.9	22.2	33.2

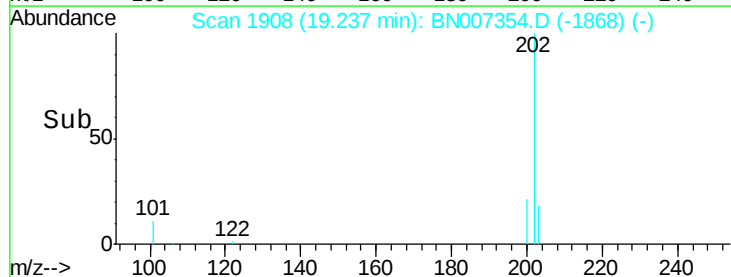
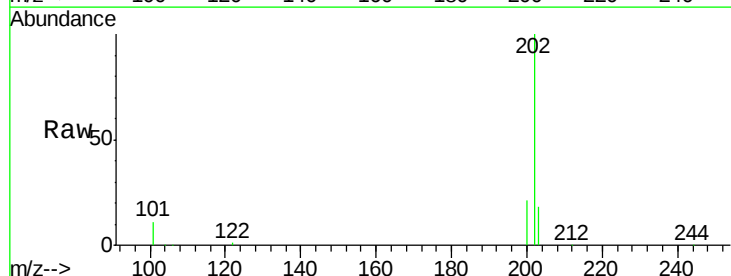
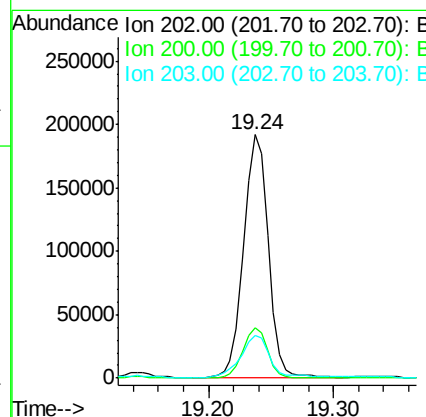
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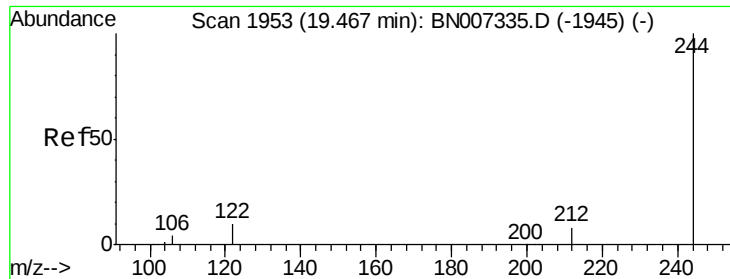
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#28
Pyrene
Concen: 2.257 ng
RT: 19.24 min Scan# 1908
Delta R.T. -0.00 min
Lab File: BN007354.D
Acq: 24 Aug 2019 07:38

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	25.0
203	19.8	14.2	21.4





#29

Terphenyl-d14

Concen: 0.037 ng

RT: 19.46 min Scan# 1953

Delta R.T. -0.01 min

Lab File: BN007354.D

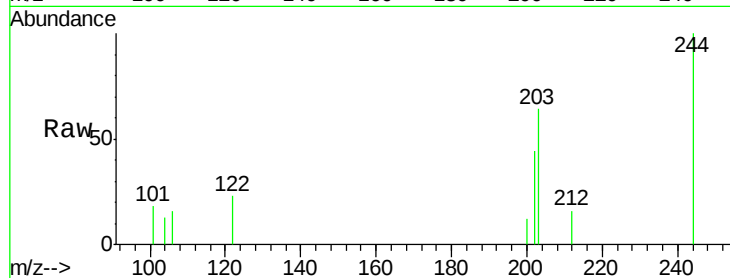
Acq: 24 Aug 2019 07:38

Instrument :

BNA_N

ClientSampleId :

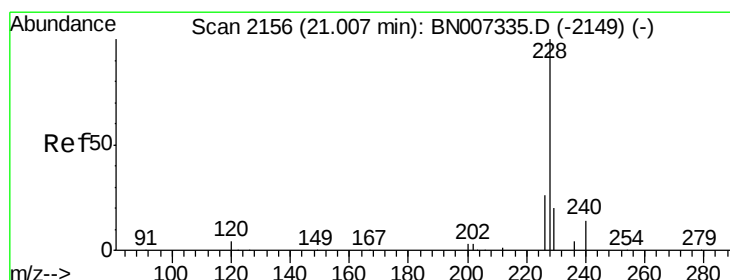
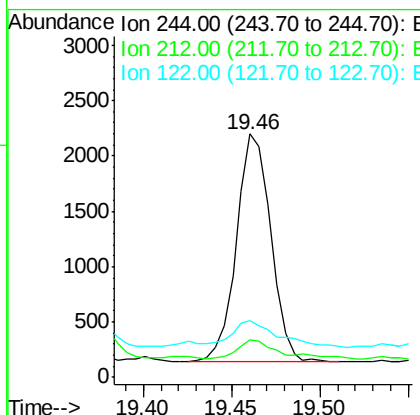
EXT-010-SW152-080819DL



Tot Ion:	244	Resp:	2756
Ion Ratio	Lower	Upper	
244	100		
212	15.5	7.0	10.6#
122	23.3	9.6	14.4#

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#30

Benzo(a)anthracene

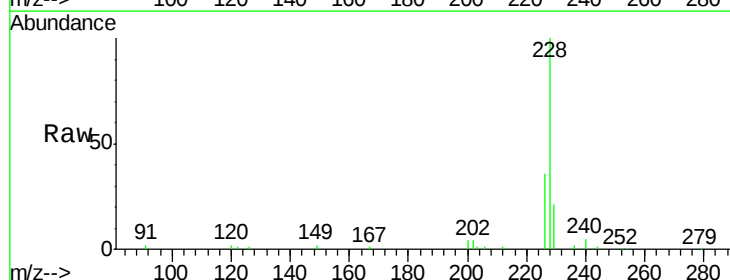
Concen: 1.266 ng m

RT: 21.00 min Scan# 2157

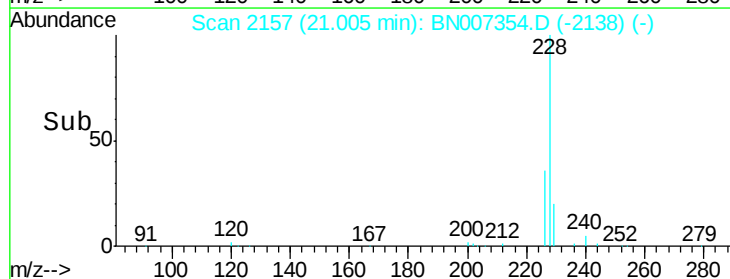
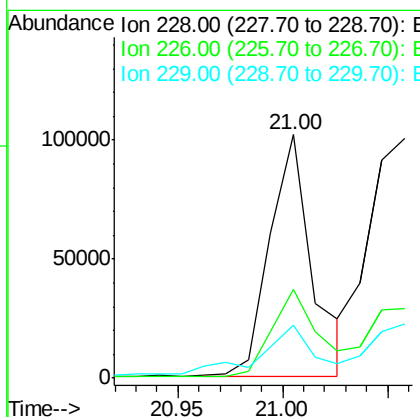
Delta R.T. -0.00 min

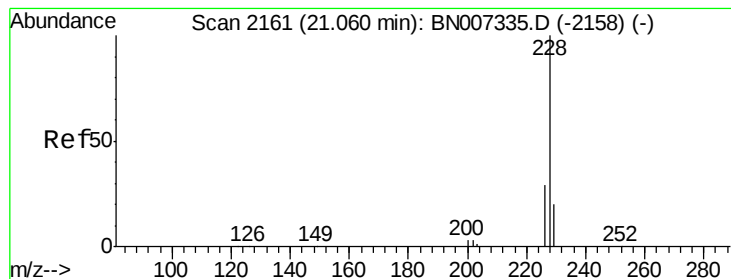
Lab File: BN007354.D

Acq: 24 Aug 2019 07:38



Tgt Ion:	228	Resp:	142123
Ion Ratio	Lower	Upper	
228	100		
226	36.3	21.3	31.9#
229	21.5	16.1	24.1





#31

Chrysene

Concen: 1.496 ng

RT: 21.06 min Scan# 2162

Delta R.T. -0.00 min

Lab File: BN007354.D

Acq: 24 Aug 2019 07:38

Instrument :

BNA_N

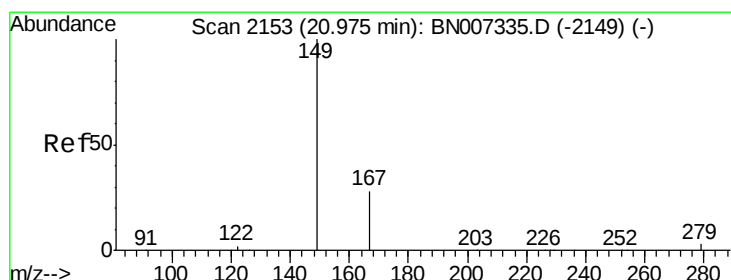
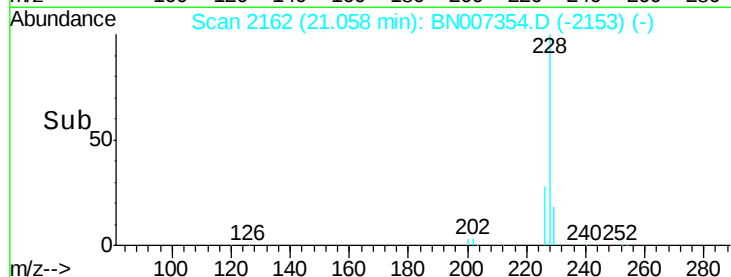
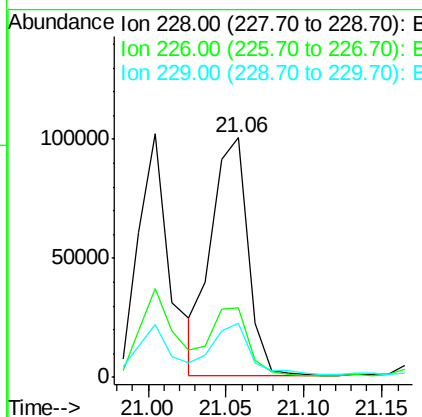
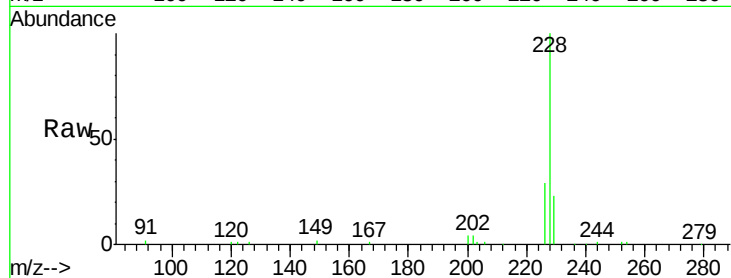
ClientSampleId :

EXT-010-SW152-080819DL

Tot Ion:	228	Resp:	162031
Ion Ratio	Lower	Upper	
228	100		
226	28.8	23.5	35.3
229	22.5	16.6	24.8

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.909 ng

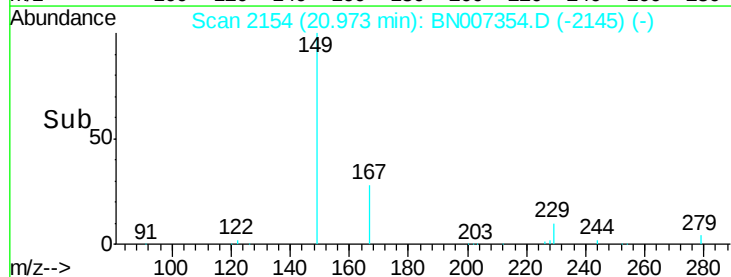
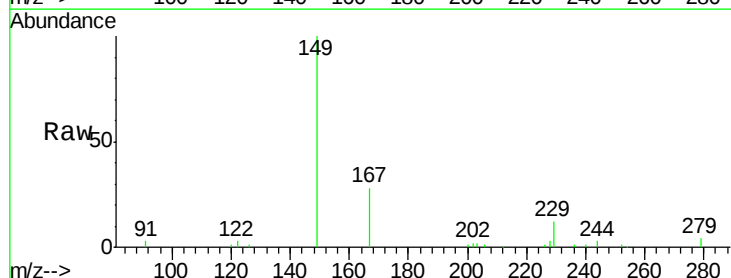
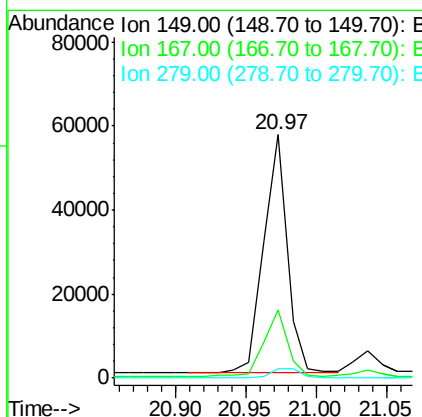
RT: 20.97 min Scan# 2154

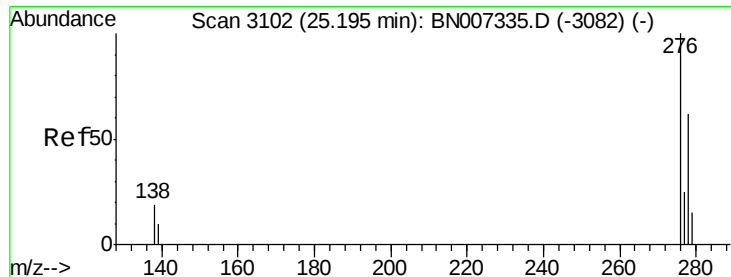
Delta R.T. -0.00 min

Lab File: BN007354.D

Acq: 24 Aug 2019 07:38

Tgt Ion:	149	Resp:	67364
Ion Ratio	Lower	Upper	
149	100		
167	27.4	22.8	34.2
279	4.5	3.5	5.3





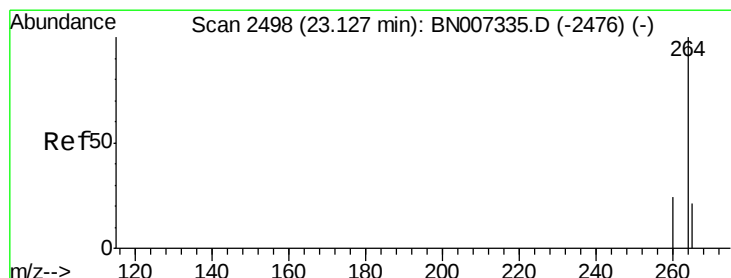
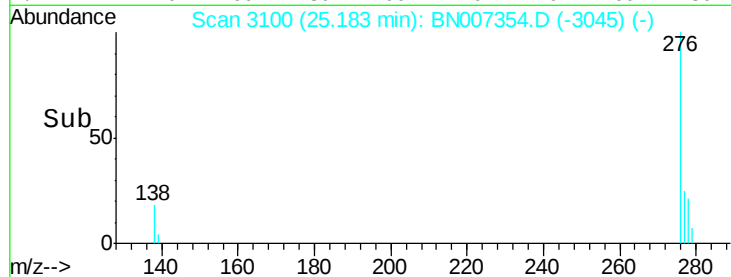
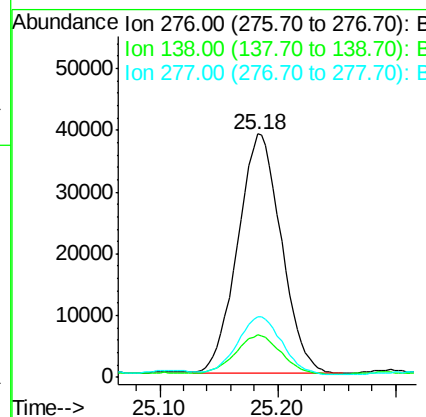
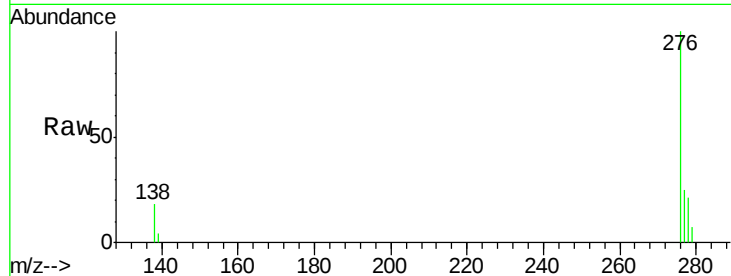
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.765 ng
RT: 25.18 min Scan# 3100
Delta R.T. -0.01 min
Lab File: BN007354.D
Acq: 24 Aug 2019 07:38

Instrument :
BNA_N
ClientSampleId :
EXT-010-SW152-080819DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.1	15.1	22.7
277	25.6	19.7	29.5

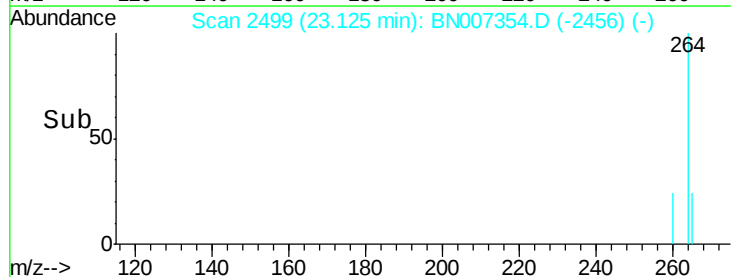
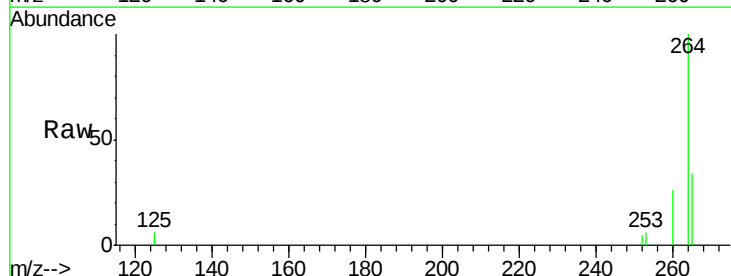
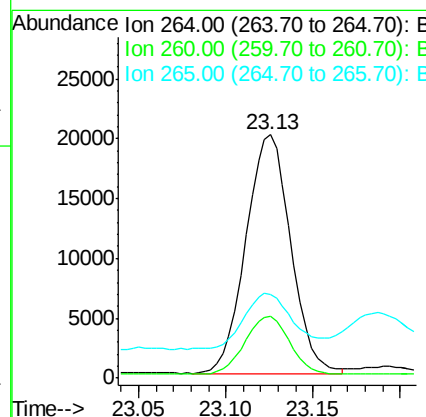
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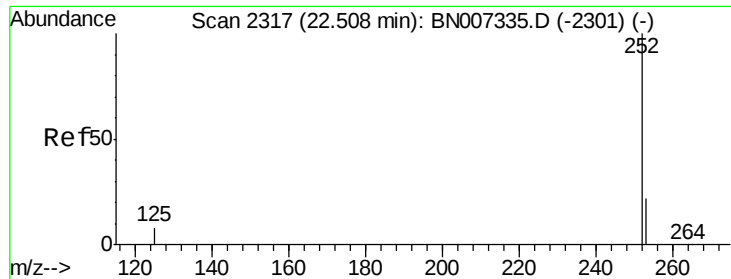
mohammad
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#34
Perylene-d12
Concen: 0.400 ng
RT: 23.13 min Scan# 2499
Delta R.T. -0.00 min
Lab File: BN007354.D
Acq: 24 Aug 2019 07:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.6	19.7	29.5
265	34.4	29.9	44.9





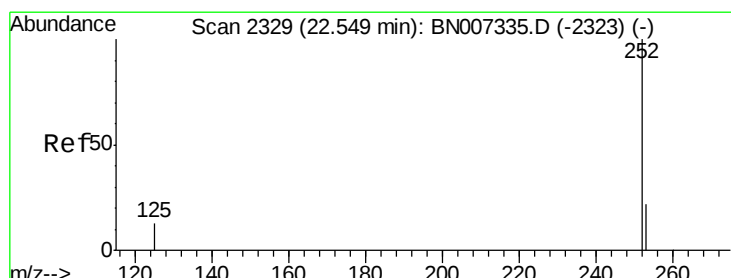
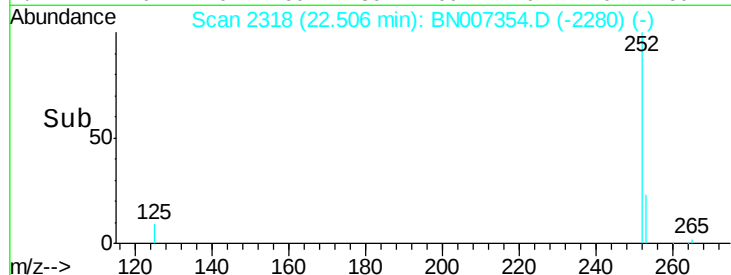
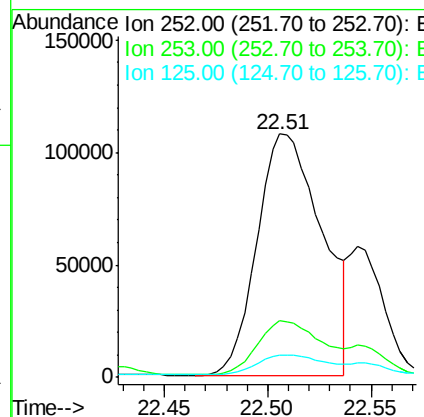
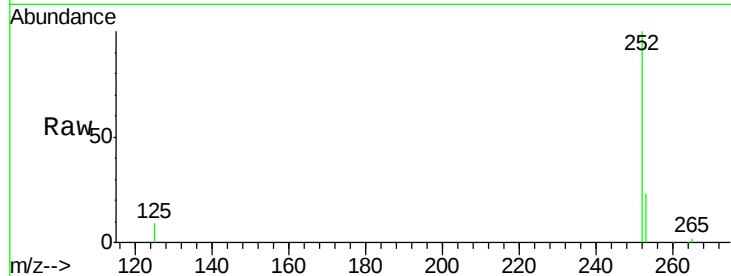
#35
Benzo(b)fluoranthene
Concen: 1.814 ng m
RT: 22.51 min Scan# 2318
Delta R.T. -0.00 min
Lab File: BN007354.D
Acq: 24 Aug 2019 07:38

Instrument :
BNA_N
ClientSampleId :
EXT-010-SW152-080819DL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.1	19.2	28.8
125	9.1	10.6	16.0#

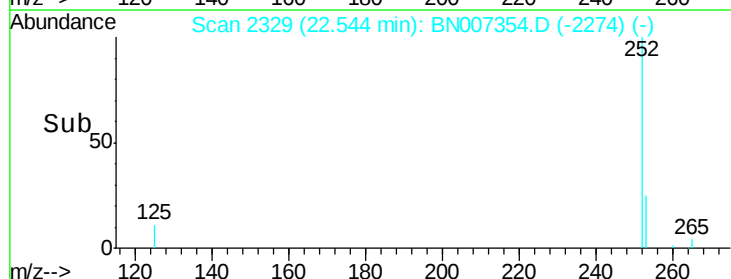
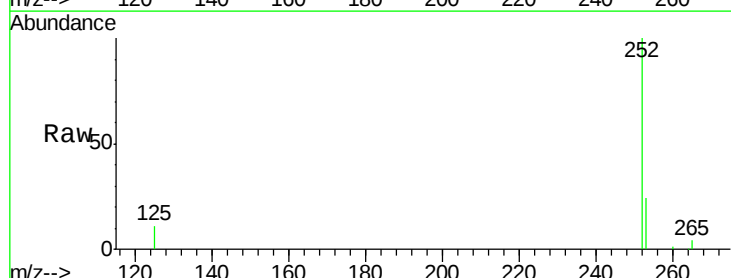
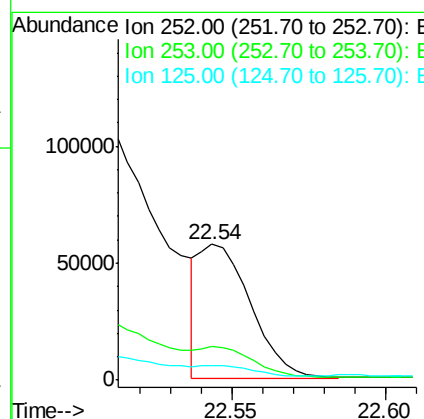
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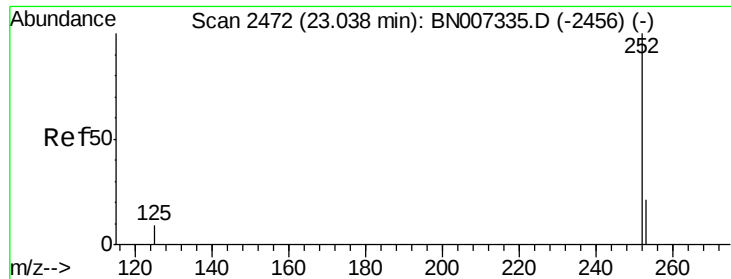
mohammad
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#36
Benzo(k)fluoranthene
Concen: 0.522 ng m
RT: 22.54 min Scan# 2329
Delta R.T. -0.01 min
Lab File: BN007354.D
Acq: 24 Aug 2019 07:38

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	24.4	19.4	29.2
125	11.1	13.1	19.7#





#37

Benzo(a)pyrene

Concen: 1.002 ng/mL

RT: 23.03 min Scan# 2472

Delta R.T. -0.01 min

Lab File: BN007354.D

Acq: 24 Aug 2019 07:38

Instrument :

BNA_N

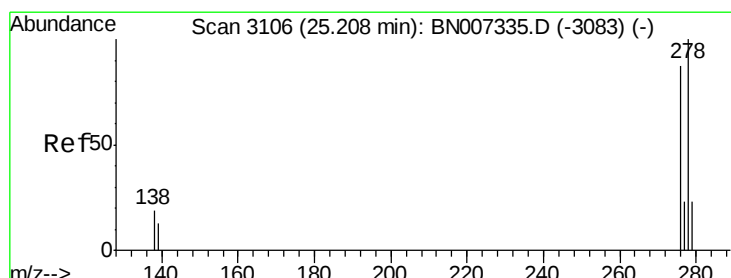
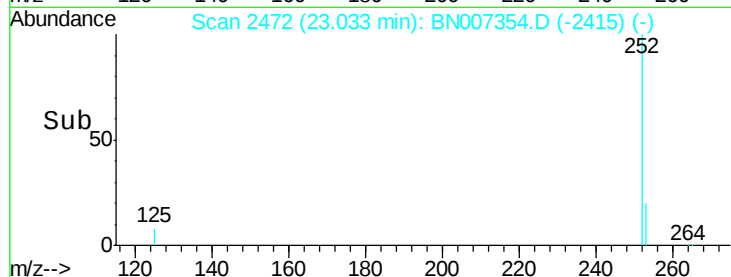
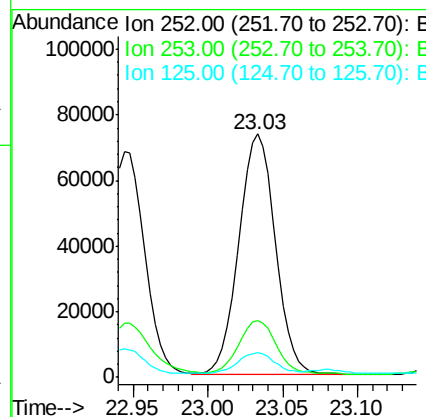
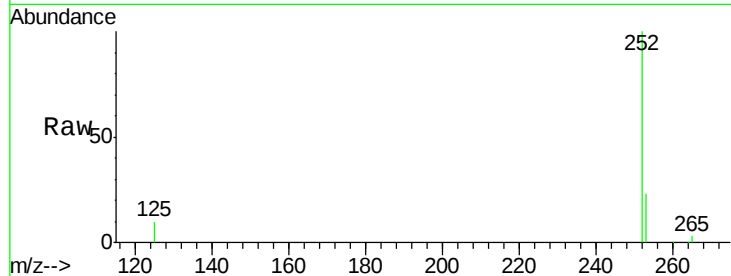
ClientSampleId :

EXT-010-SW152-080819DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
252	100				
253	23.2	19.5	29.3		
125	10.1	12.1	18.1		

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#38

Dibenzo(a,h)anthracene

Concen: 0.215 ng

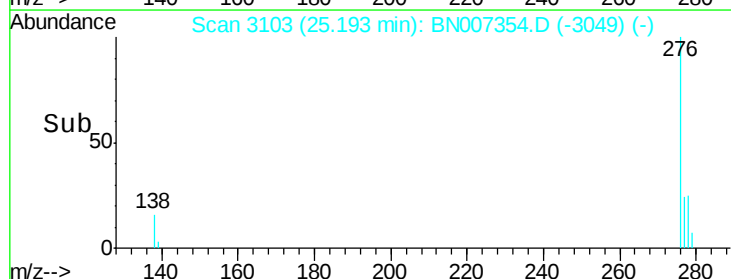
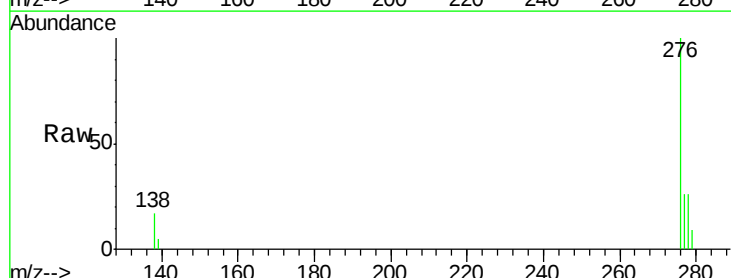
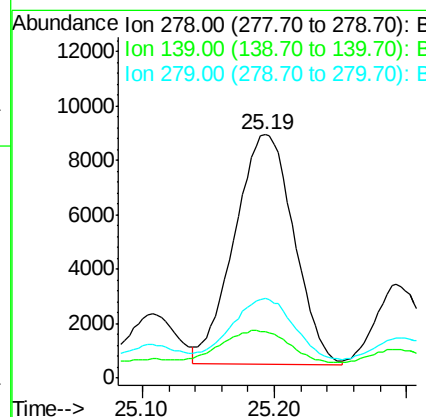
RT: 25.19 min Scan# 3103

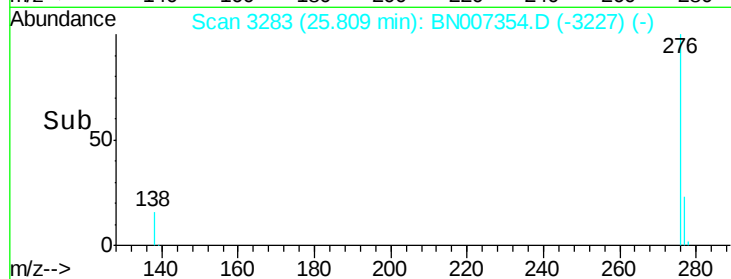
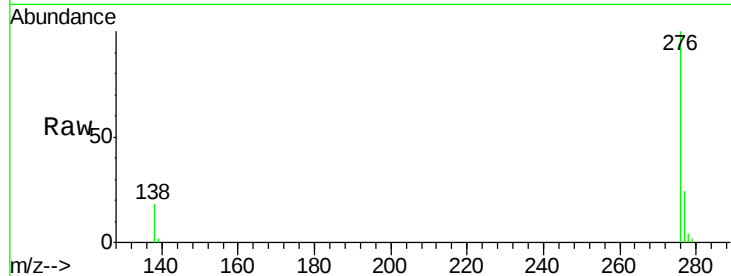
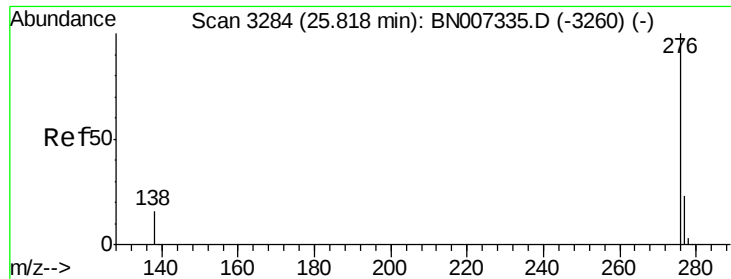
Delta R.T. -0.02 min

Lab File: BN007354.D

Acq: 24 Aug 2019 07:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
278	100				
139	18.9	13.7	20.5		
279	32.9	20.2	30.4		





#39

Benzo(a,h,i)perylene

Concen: 0.799 ng

RT: 25.81 min Scan# 3283

Delta R.T. -0.01 min

Lab File: BN007354.D

Acq: 24 Aug 2019 07:38

Instrument :

BNA_N

ClientSampleId :

EXT-010-SW152-080819DL

Tot Ion:	276	Resp:	97863
Ion Ratio	Lower	Upper	
276	100		
277	24.4	19.6	29.4
138	17.7	16.3	24.5

Manual Integrations
APPROVED

mohammad
8/29/2019 8:00:06 AM

