

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100519\
 Data File : BN008029.D
 Acq On : 05 Oct 2019 17:03
 Operator : JU
 Sample : K5078-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-024-SW066-092519

Manual Integrations
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 10/7/2019 4:39:46 PM

Quant Time: Oct 07 06:53:02 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN091819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Oct 03 18:39:49 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	3724	0.40	ng	-0.02
7) Naphthalene-d8	10.44	136	14781	0.40	ng	-0.03
13) Acenaphthene-d10	14.30	164	9328	0.40	ng	-0.02
19) Phenanthrene-d10	17.05	188	18592	0.40	ng	-0.02
27) Chrysene-d12	21.25	240	19677	0.40	ng	-0.02
34) Perylene-d12	23.46	264	21560	0.40	ng	-0.03

System Monitoring Compounds

4) 2-Fluorophenol	5.30	112	2484	0.19	ng	-0.02
5) Phenol-d6	6.87	99	3308	0.20	ng	0.00
8) Nitrobenzene-d5	8.82	82	2854	0.22	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	5200	0.21	ng	-0.02
14) 2,4,6-Tribromophenol	15.81	330	1031	0.20	ng	-0.01
15) 2-Fluorobiphenyl	12.92	172	6797	0.18	ng	-0.02
25) Fluoranthene-d10	19.09	212	11579	0.18	ng	-0.02
29) Terphenyl-d14	19.69	244	9112	0.19	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.49	128	1465	0.035	ng	# 71
12) 2-Methylnaphthalene	12.11	142	888	0.032	ng	# 80
16) Acenaphthylene	14.02	152	17732	0.358	ng	99
17) Acenaphthene	14.37	154	4021	0.126	ng	98
18) Fluorene	15.36	166	6268	0.153	ng	91
23) Phenanthrene	17.09	178	139801	2.414	ng	100
24) Anthracene	17.19	178	19326	0.369	ng	# 96
26) Fluoranthene	19.12	202	282023	3.916	ng	99
28) Pyrene	19.48	202	256760	3.826	ng	96
30) Benzo(a)anthracene	21.23	228	110153	1.520	ng	97
31) Chrysene	21.28	228	135908	1.925	ng	98
32) Bis(2-ethylhexyl)phthalate	21.17	149	28962	0.777	ng	99
33) Indeno(1,2,3-cd)pyrene	25.67	276	85524	0.967	ng	# 95
35) Benzo(b)fluoranthene	22.80	252	166820	2.229	ng	# 96
36) Benzo(k)fluoranthene	22.84	252	63138m	0.853	ng	
37) Benzo(a)pyrene	23.37	252	111254	1.582	ng	96
38) Dibenzo(a,h)anthracene	25.68	278	20955	0.291	ng	# 72
39) Benzo(g,h,i)perylene	26.35	276	86619	1.216	ng	98

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

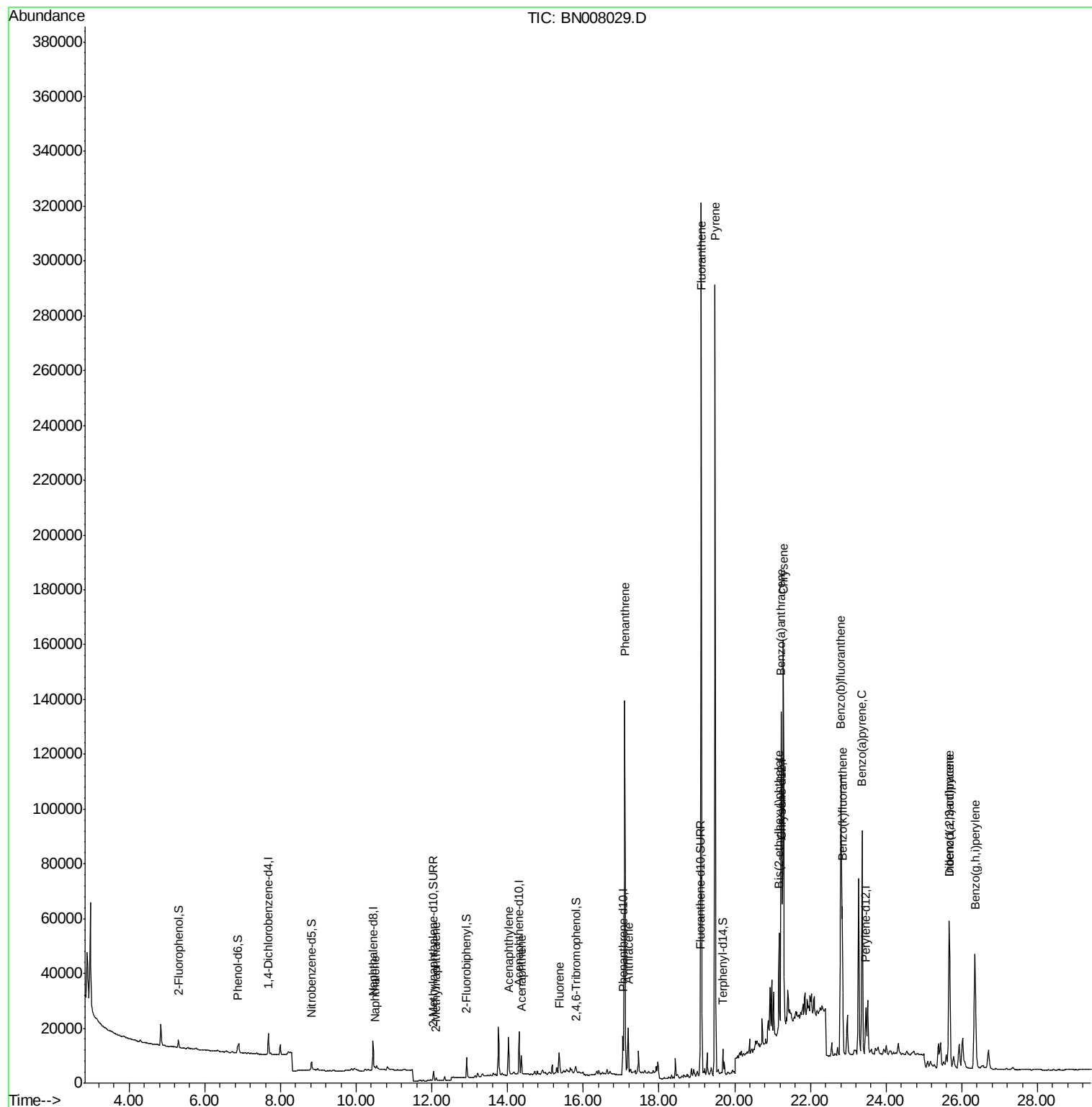
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100519\
Data File : BN008029.D
Acq On : 05 Oct 2019 17:03
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN091819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 03 18:39:49 2019
Response via : Initial Calibration

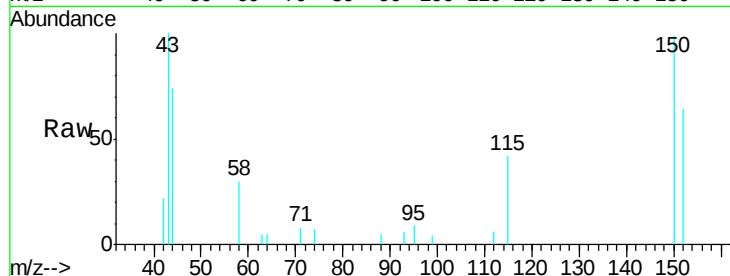




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.68 min Scan# 602
Delta R.T. -0.02 min
Lab File: BN008029.D
Acq: 05 Oct 2019 17:03

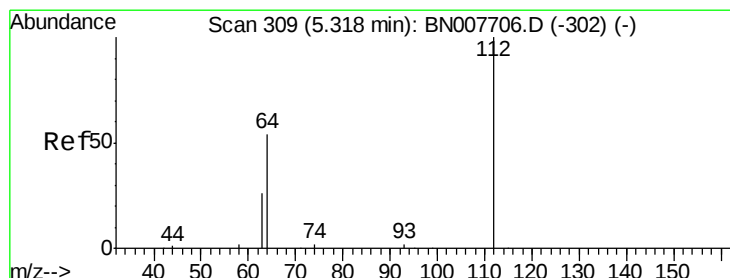
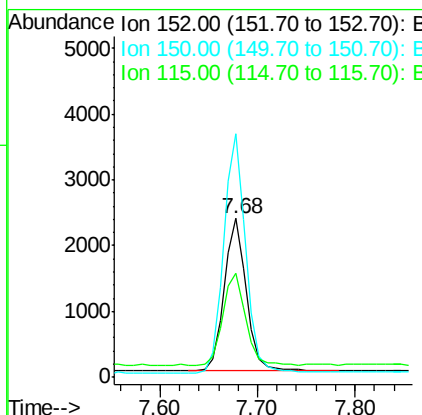
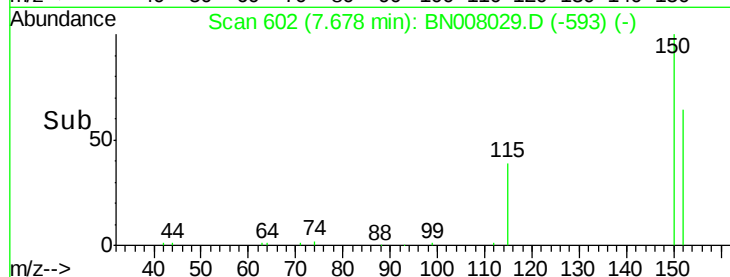
Instrument :
BNA_N
ClientSampleId :
EXT-024-SW066-092519



Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.4	125.6	188.4
115	65.6	53.3	79.9

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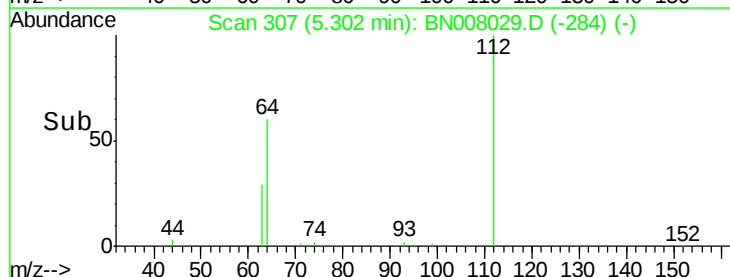
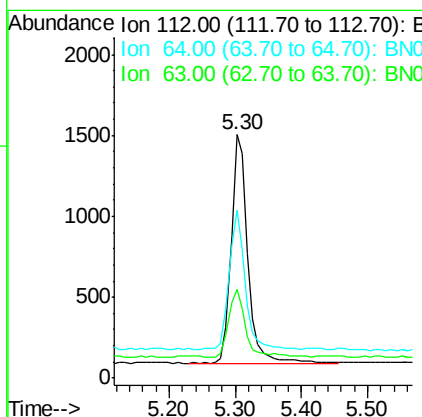
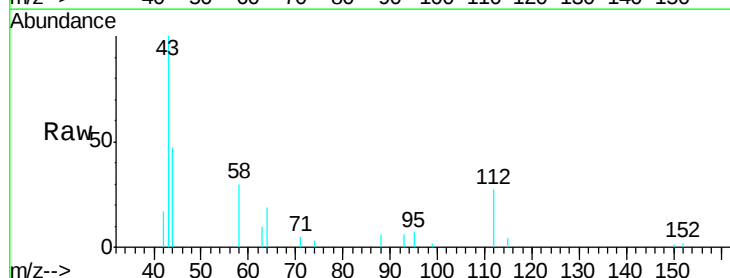
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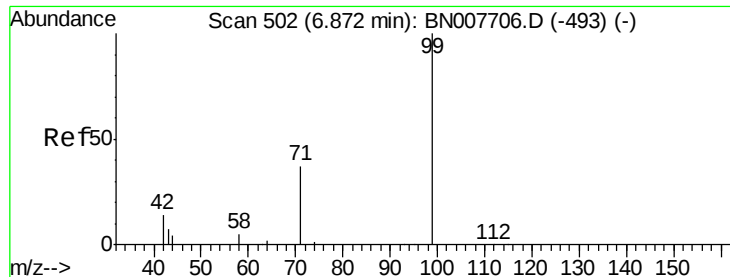


#4

2-Fluorophenol
Concen: 0.194 ng
RT: 5.30 min Scan# 307
Delta R.T. -0.02 min
Lab File: BN008029.D
Acq: 05 Oct 2019 17:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	46.6	70.0
63	30.4	23.1	34.7





#5

Phenol-d6

Concen: 0.204 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN008029.D

Acq: 05 Oct 2019 17:03

Instrument :

BNA_N

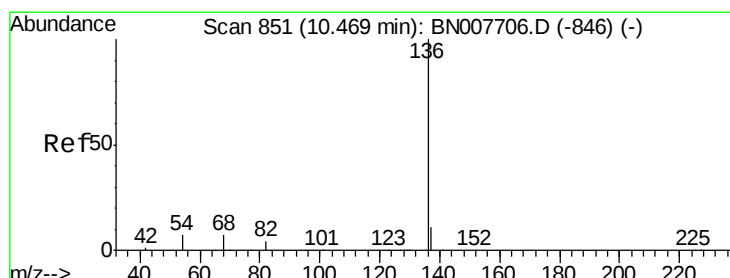
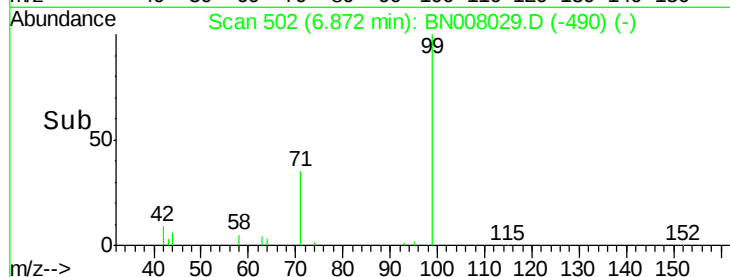
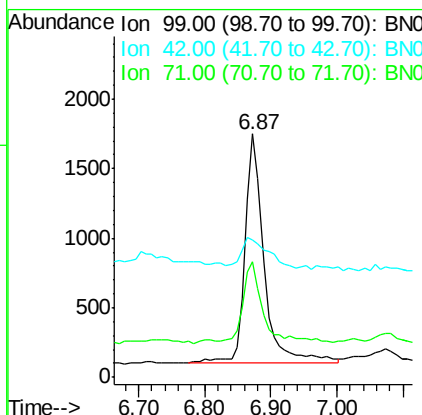
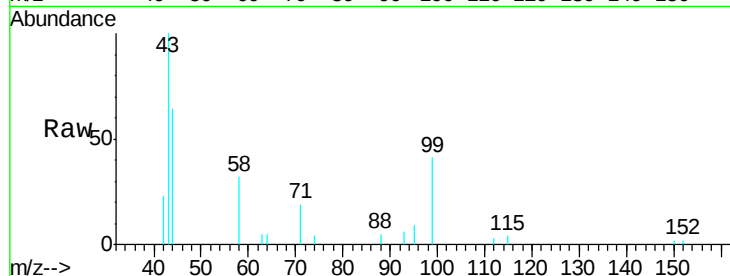
ClientSampleId :

EXT-024-SW066-092519

Tgt Ion:	99	Resp:	3308
Ion	Ratio	Lower	Upper
99	100		
42	17.8	12.8	19.2
71	37.3	27.6	41.4

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#7

Naphthalene-d8

Concen: 0.400 ng

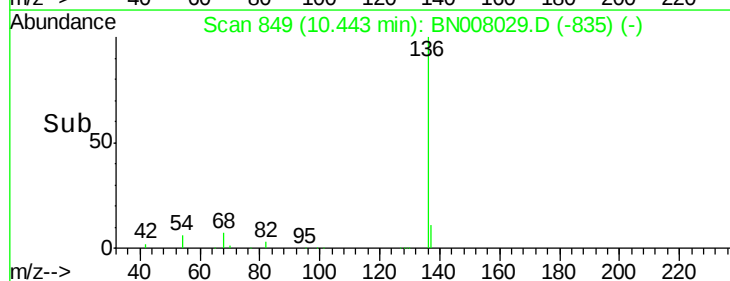
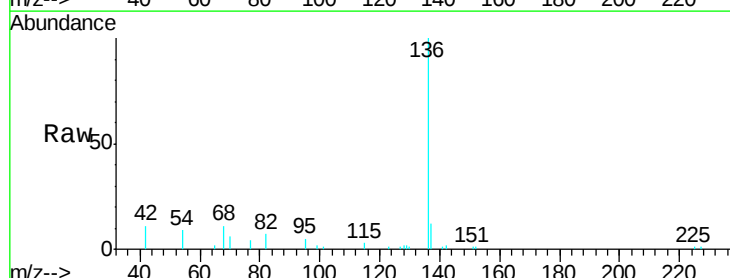
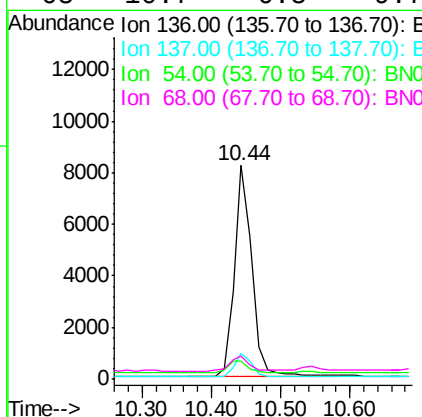
RT: 10.44 min Scan# 849

Delta R.T. -0.03 min

Lab File: BN008029.D

Acq: 05 Oct 2019 17:03

Tgt Ion:	136	Resp:	14781
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.2	13.8
54	8.7	5.8	8.8
68	10.7	6.5	9.7#





#8

Nitrobenzene-d5

Concen: 0.221 ng

RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

Lab File: BN008029.D

Acq: 05 Oct 2019 17:03

Instrument :

BNA_N

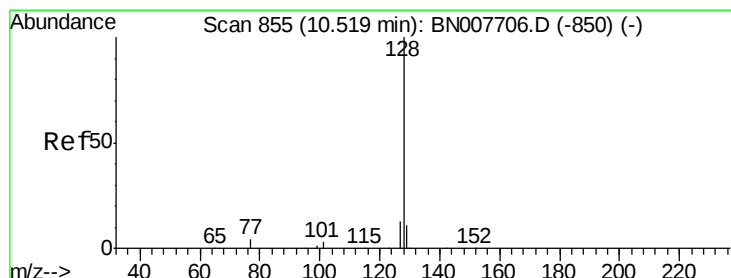
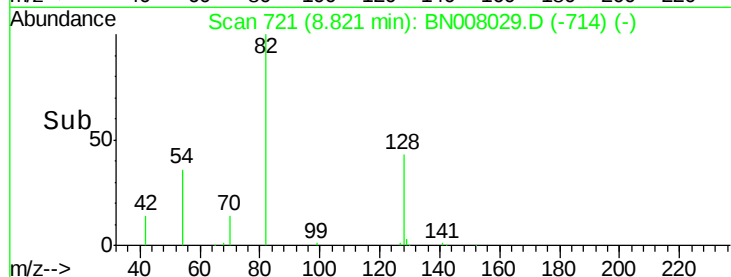
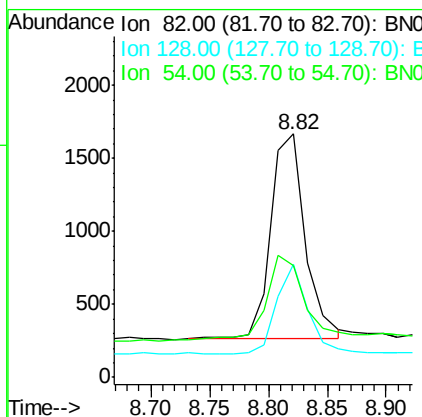
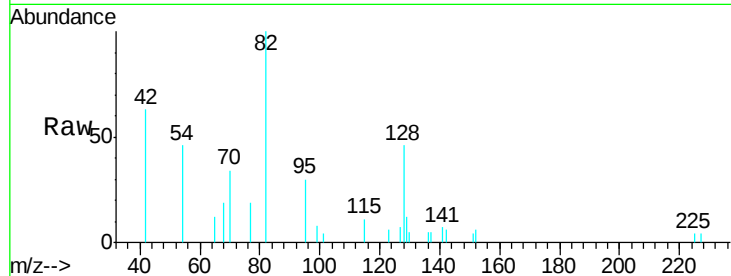
ClientSampleId :

EXT-024-SW066-092519

Tgt Ion:	82	Resp:	2854
Ion Ratio	Lower	Upper	
82	100		
128	46.3	24.5	36.7#
54	45.7	35.2	52.8

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#9

Naphthalene

Concen: 0.035 ng

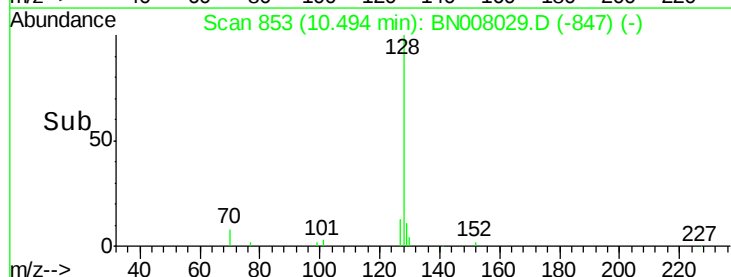
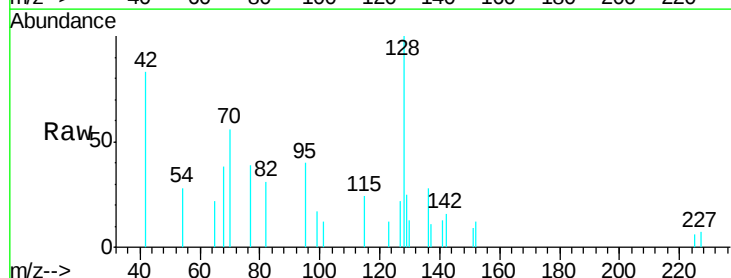
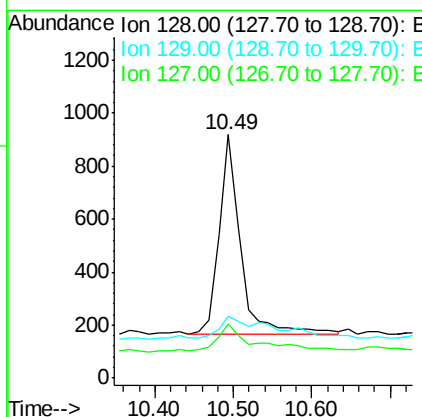
RT: 10.49 min Scan# 853

Delta R.T. -0.03 min

Lab File: BN008029.D

Acq: 05 Oct 2019 17:03

Tgt Ion:	128	Resp:	1465
Ion Ratio	Lower	Upper	
128	100		
129	25.1	9.1	13.7#
127	22.3	10.6	15.8#





#11

2-Methylnaphthalene-d10

Concen: 0.209 ng

RT: 12.04 min Scan# 1053

Delta R.T. -0.02 min

Lab File: BN008029.D

Acq: 05 Oct 2019 17:03

Instrument :

BNA_N

ClientSampleId :

EXT-024-SW066-092519

Tgt Ion:152 Resp: 5200

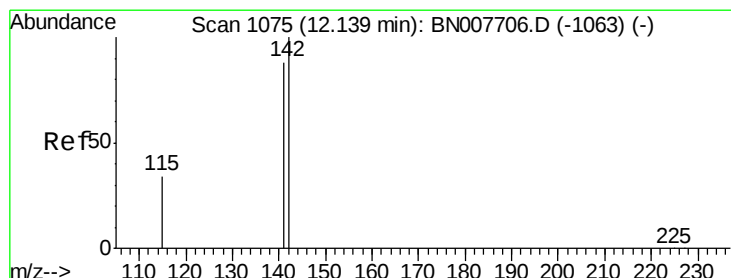
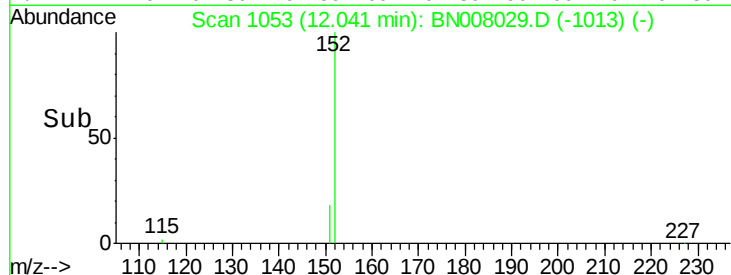
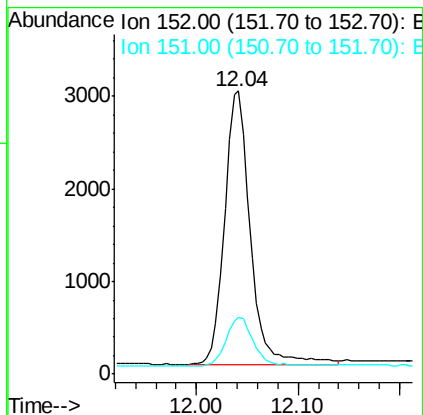
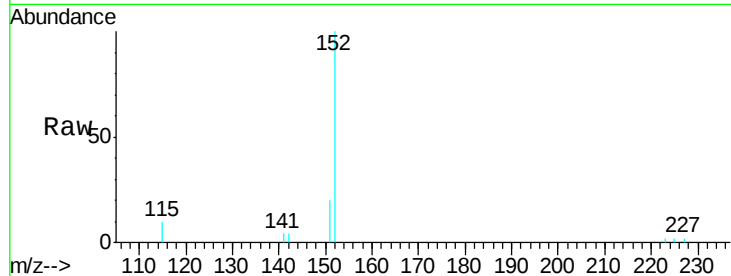
Ion Ratio Lower Upper

152 100

151 19.0 15.4 23.2

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#12

2-Methylnaphthalene

Concen: 0.032 ng

RT: 12.11 min Scan# 1069

Delta R.T. -0.03 min

Lab File: BN008029.D

Acq: 05 Oct 2019 17:03

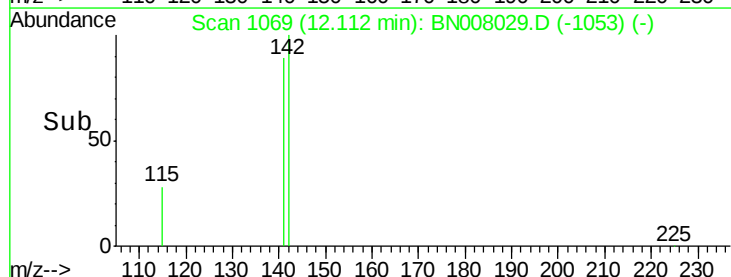
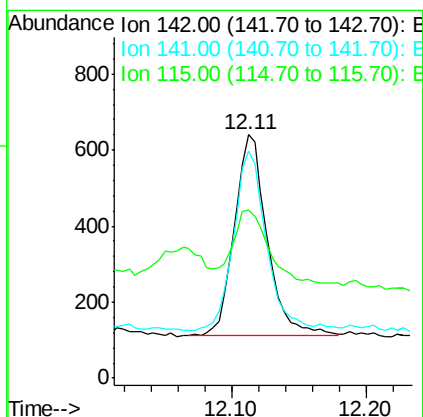
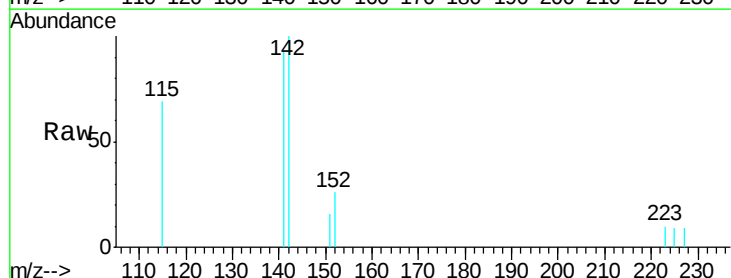
Tgt Ion:142 Resp: 888

Ion Ratio Lower Upper

142 100

141 93.0 70.6 106.0

115 69.3 28.3 42.5#





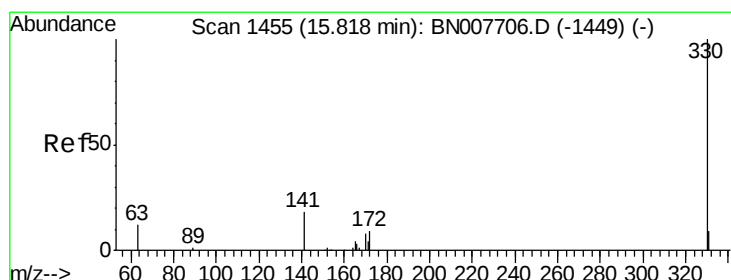
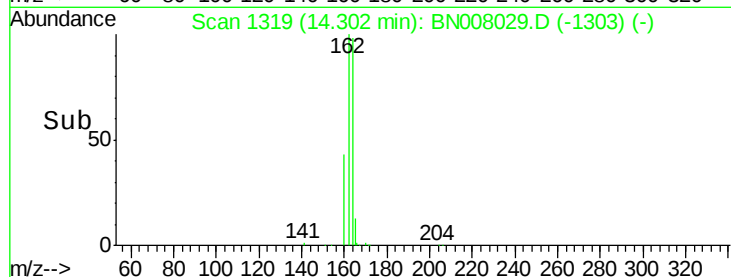
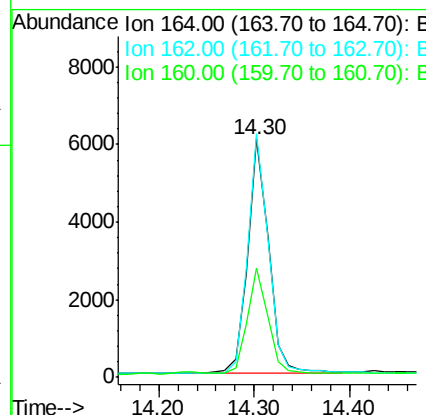
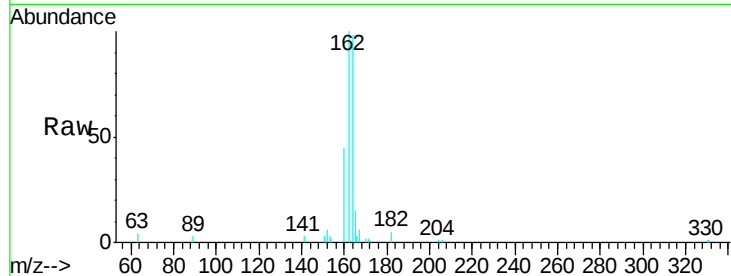
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.30 min Scan# 1319
Delta R.T. -0.02 min
Lab File: BN008029.D
Acq: 05 Oct 2019 17:03

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW066-092519

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	81.7	122.5
160	45.6	37.0	55.4

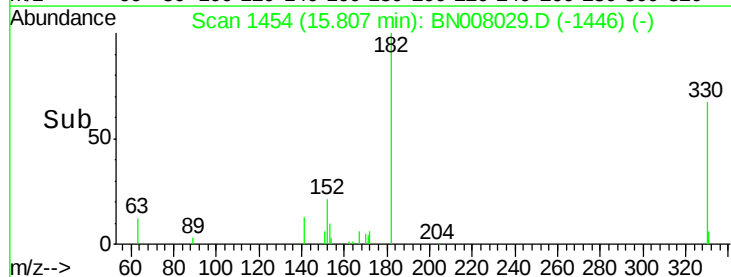
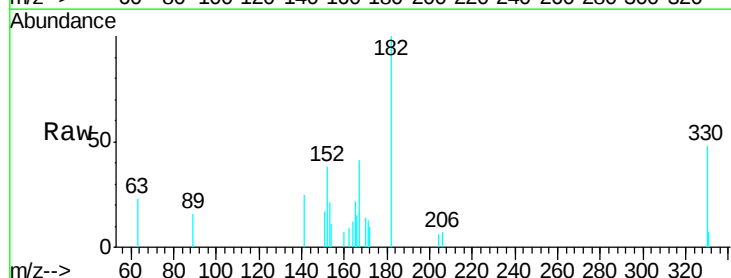
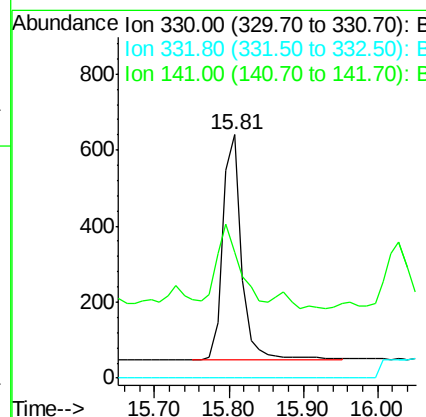
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#14
2,4,6-Tribromophenol
Concen: 0.203 ng
RT: 15.81 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BN008029.D
Acq: 05 Oct 2019 17:03

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	41.5	28.7	43.1





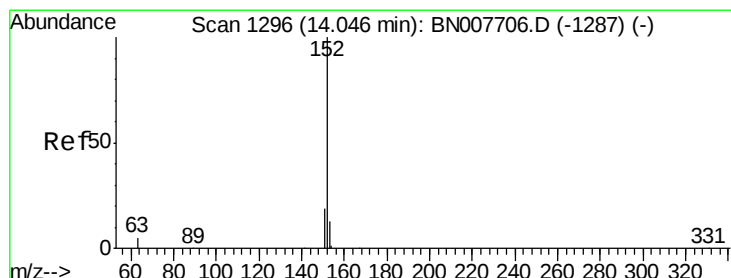
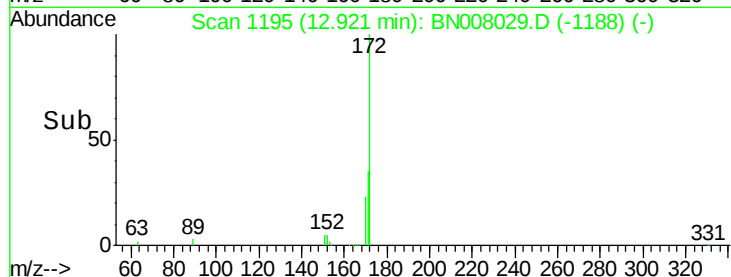
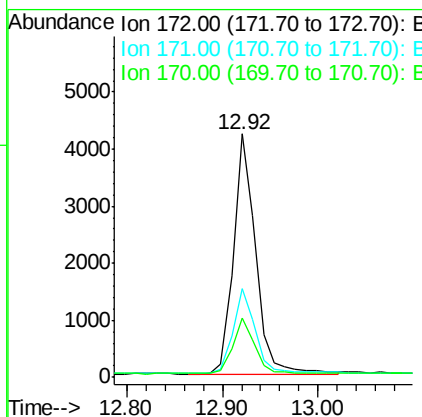
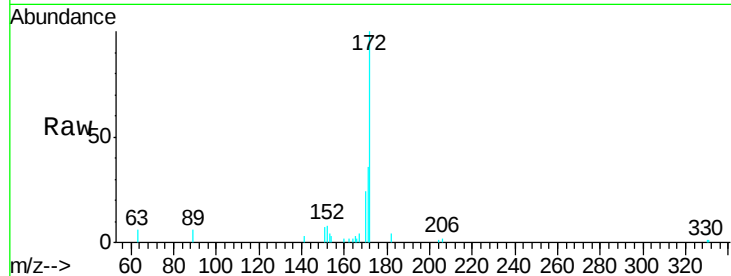
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2-Fluorobiphenyl
Concen: 0.177 ng
RT: 12.92 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BN008029.D
Acq: 05 Oct 2019 17:03

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW066-092519

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.8	43.2
170	24.2	19.5	29.3

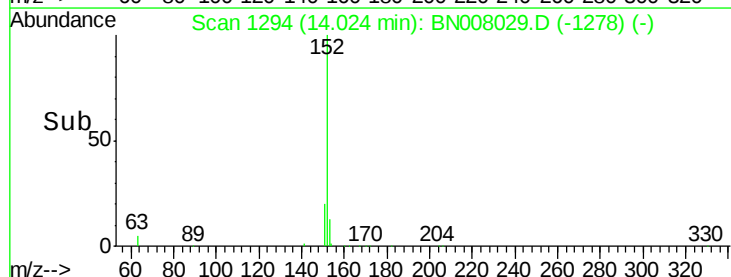
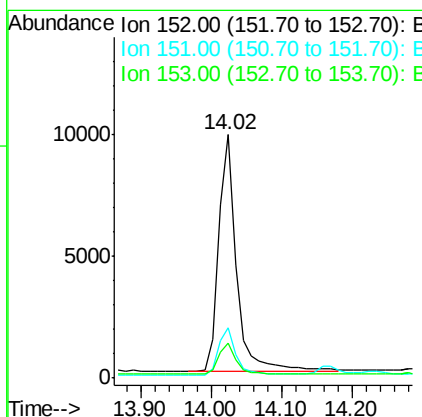
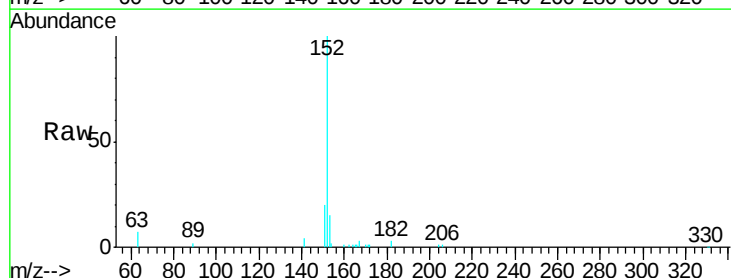
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#16
Acenaphthylene
Concen: 0.358 ng
RT: 14.02 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BN008029.D
Acq: 05 Oct 2019 17:03

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.5	23.3
153	13.3	10.4	15.6





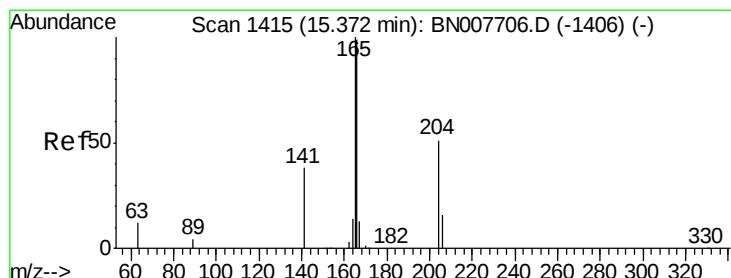
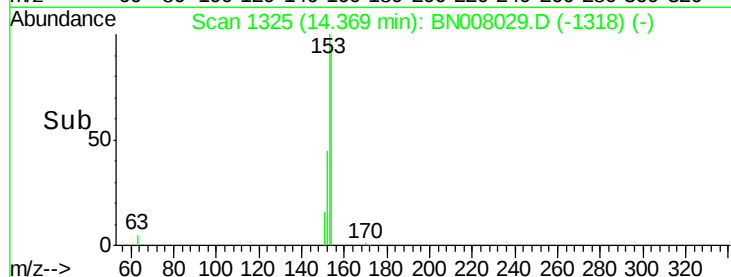
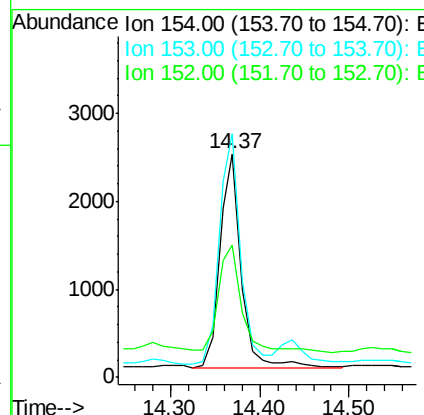
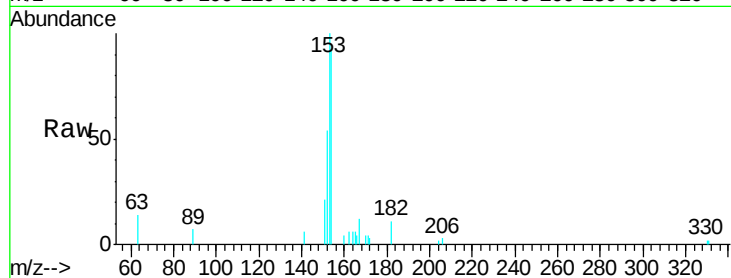
#17
Acenaphthene
Concen: 0.126 ng
RT: 14.37 min Scan# 1325
Delta R.T. -0.02 min
Lab File: BN008029.D
Acq: 05 Oct 2019 17:03

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW066-092519

Tgt Ion	Ratio	Lower	Upper
154	100		
153	108.4	87.0	130.4
152	56.5	42.7	64.1

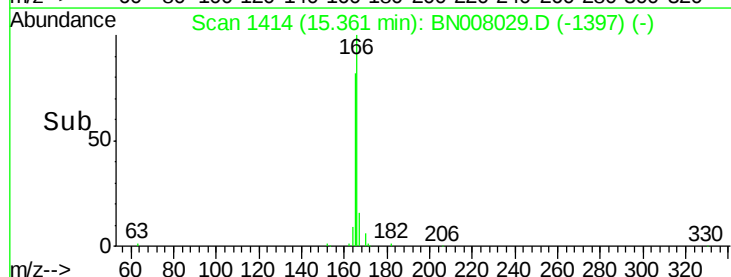
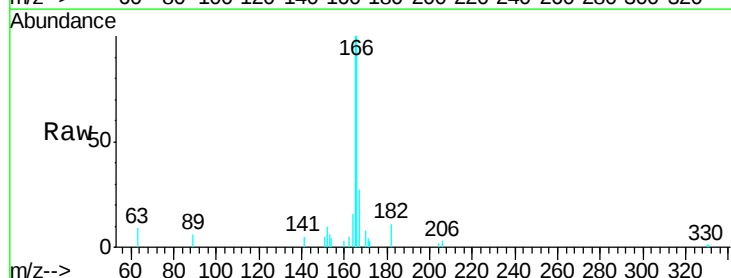
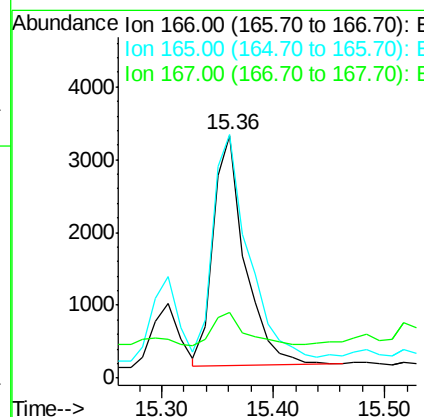
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#18
Fluorene
Concen: 0.153 ng
RT: 15.36 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BN008029.D
Acq: 05 Oct 2019 17:03

Tgt Ion	Ratio	Lower	Upper
166	100		
165	107.1	78.0	117.0
167	15.5	10.9	16.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.05 min Scan# 1570

Delta R.T. -0.02 min

Lab File: BN008029.D

Acq: 05 Oct 2019 17:03

Instrument :

BNA_N

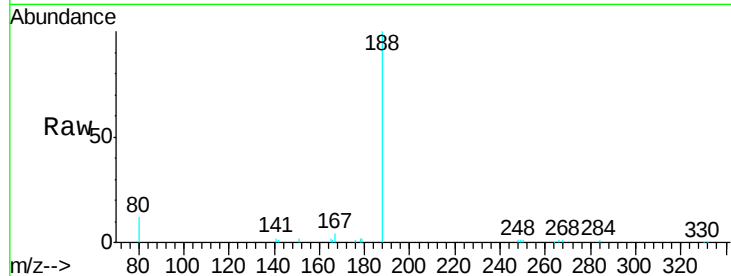
ClientSampleId :

EXT-024-SW066-092519

Tgt Ion:	188	Resp:	18592
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	12.2	7.4	11.2#

Manual Integrations
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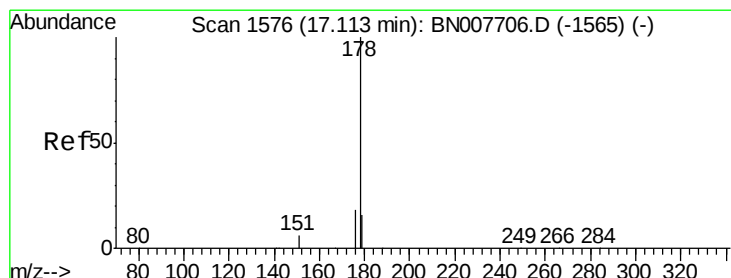
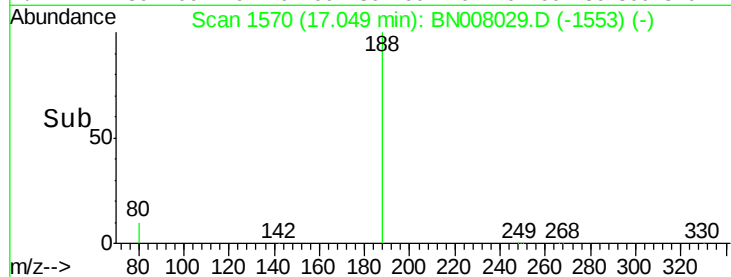
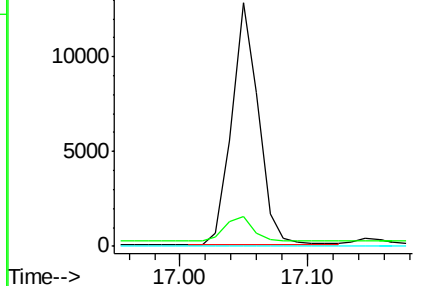
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#23

Phenanthrene

Concen: 2.414 ng

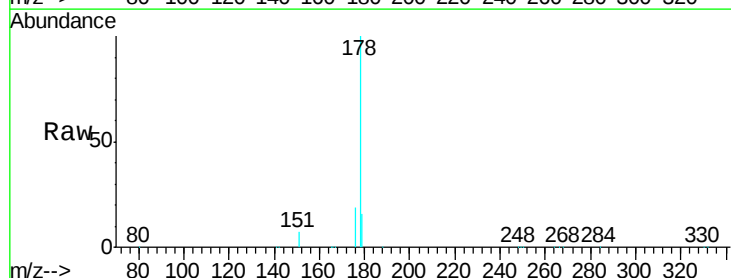
RT: 17.09 min Scan# 1574

Delta R.T. -0.02 min

Lab File: BN008029.D

Acq: 05 Oct 2019 17:03

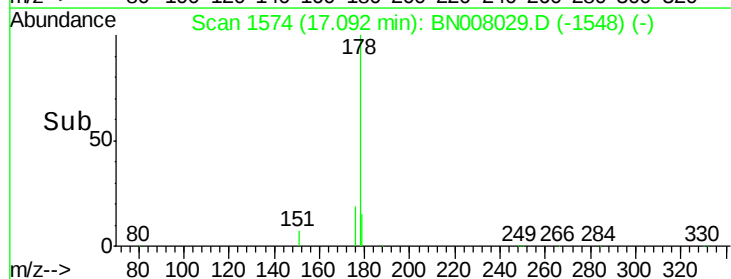
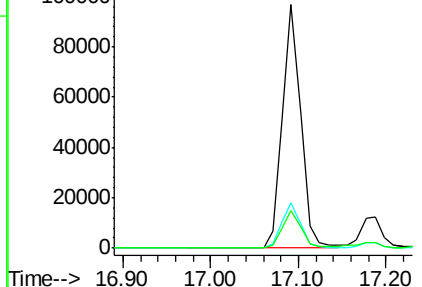
Tgt Ion:	178	Resp:	139801
Ion Ratio	Lower	Upper	
178	100		
176	18.5	14.9	22.3
179	15.5	12.5	18.7

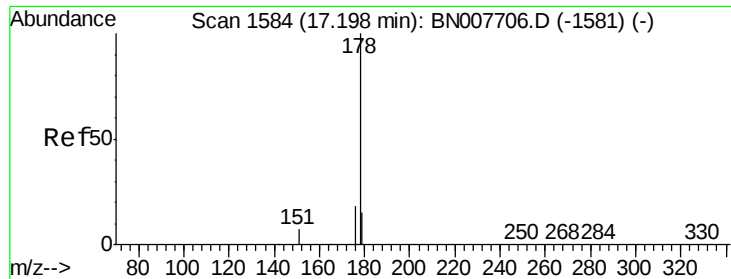


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.369 ng

RT: 17.19 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BN008029.D

Acq: 05 Oct 2019 17:03

Instrument :

BNA_N

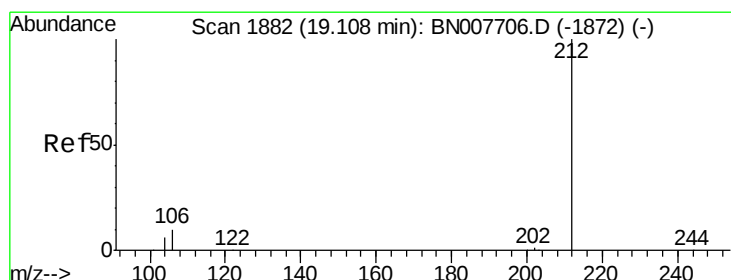
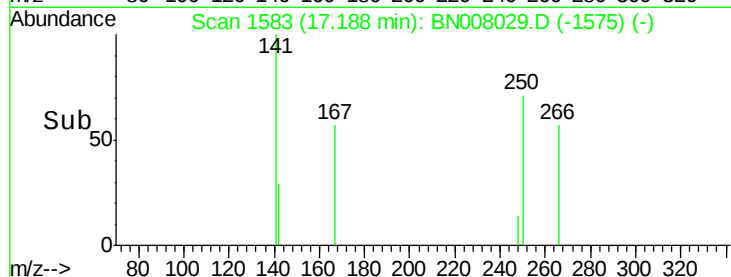
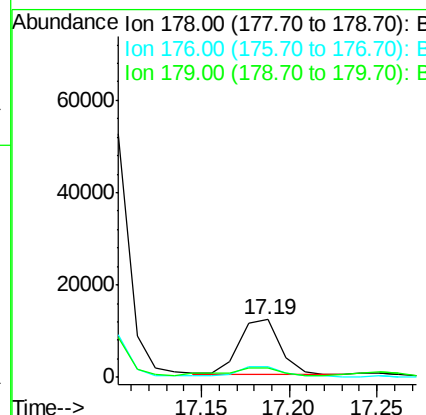
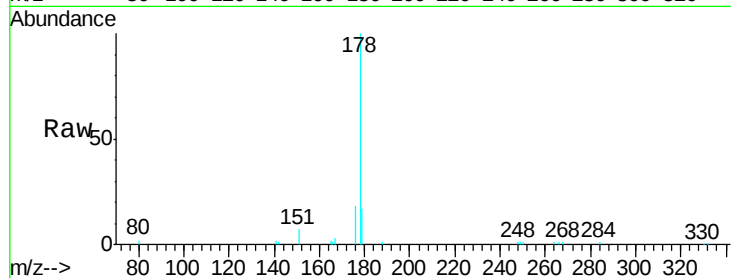
ClientSampleId :

EXT-024-SW066-092519

Tgt Ion:	178	Resp:	19326
Ion Ratio	Lower	Upper	
178	100		
176	18.1	14.6	21.8
179	18.9	12.2	18.4

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#25

Fluoranthene-d10

Concen: 0.185 ng

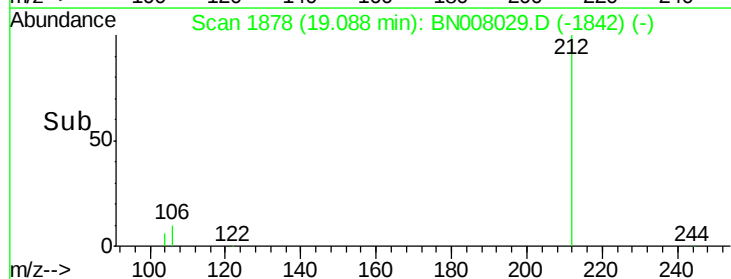
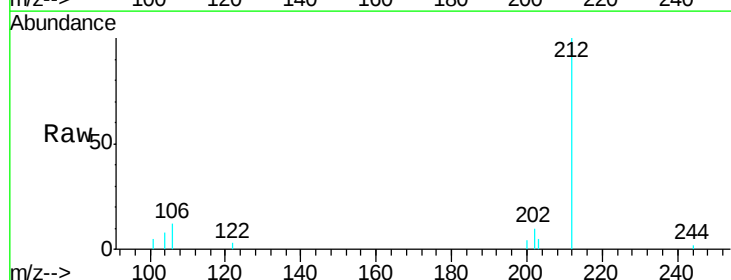
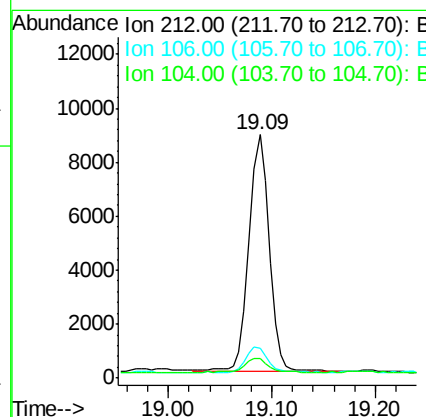
RT: 19.09 min Scan# 1878

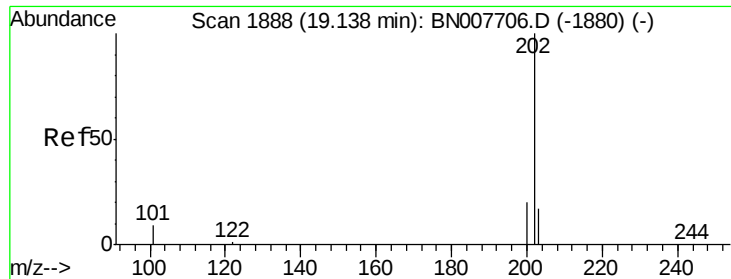
Delta R.T. -0.02 min

Lab File: BN008029.D

Acq: 05 Oct 2019 17:03

Tgt Ion:	212	Resp:	11579
Ion Ratio	Lower	Upper	
212	100		
106	11.1	9.4	14.0
104	7.3	5.3	7.9





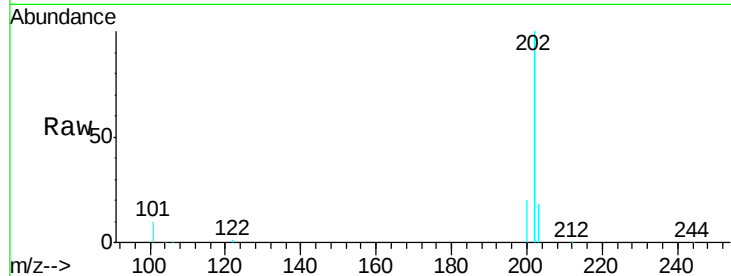
#26
 Fluoranthene
 Concen: 3.916 ng
 RT: 19.12 min Scan# 1884
 Delta R.T. -0.02 min
 Lab File: BN008029.D
 Acq: 05 Oct 2019 17:03

Instrument :
 BNA_N
 ClientSampleId :
 EXT-024-SW066-092519

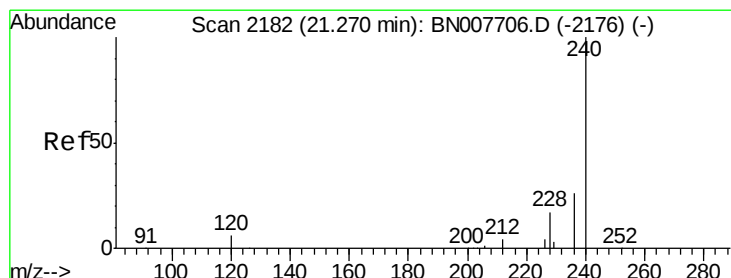
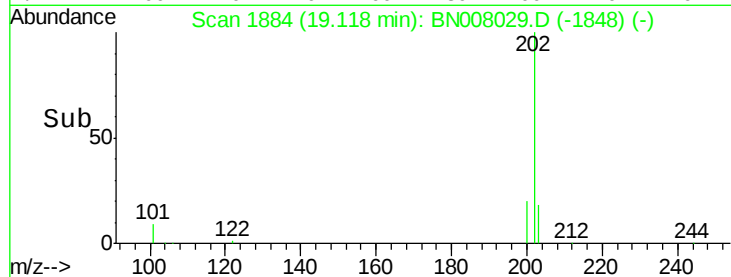
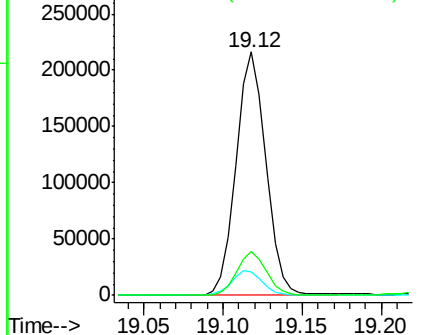
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		282023		
101	10.1	8.4	12.6		
203	17.6	13.8	20.8		

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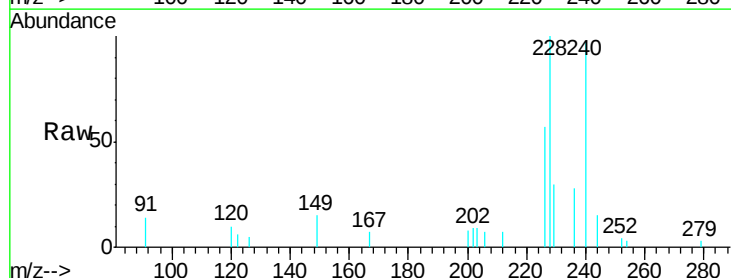


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

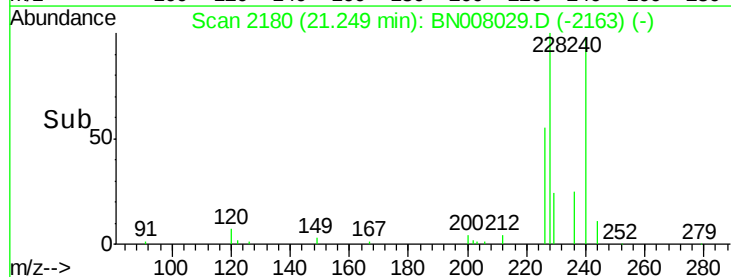
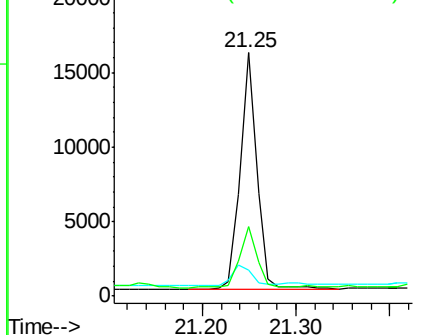


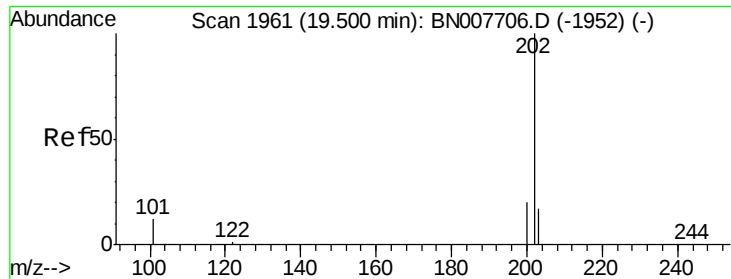
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.25 min Scan# 2180
 Delta R.T. -0.02 min
 Lab File: BN008029.D
 Acq: 05 Oct 2019 17:03

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		19677		
120	10.5	5.4	8.2#		
236	28.7	21.0	31.4		



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





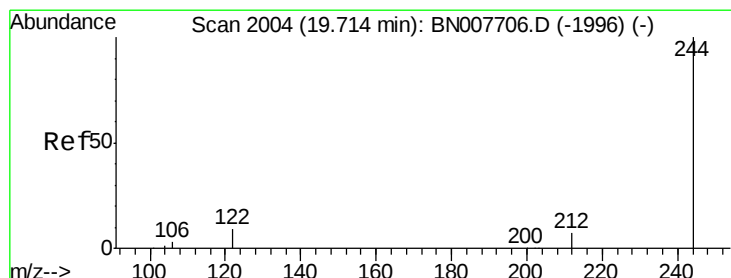
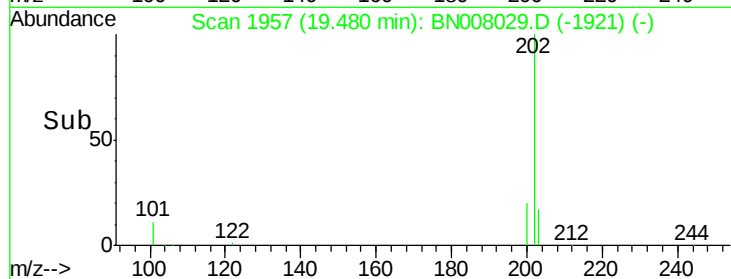
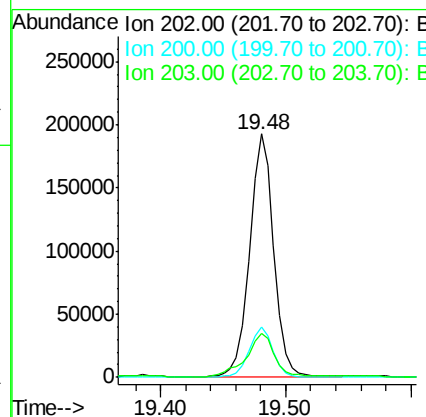
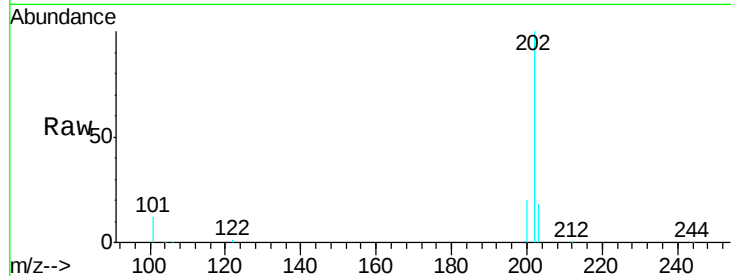
#28
 Pyrene
 Concen: 3.826 ng
 RT: 19.48 min Scan# 1957
 Delta R.T. -0.02 min
 Lab File: BN008029.D
 Acq: 05 Oct 2019 17:03

Instrument :
 BNA_N
 ClientSampleId :
 EXT-024-SW066-092519

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.5	16.4	24.6
203	21.0	14.1	21.1

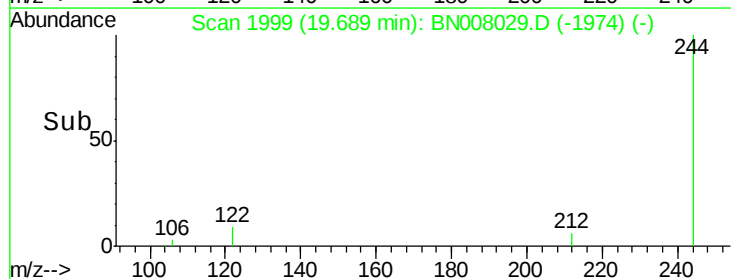
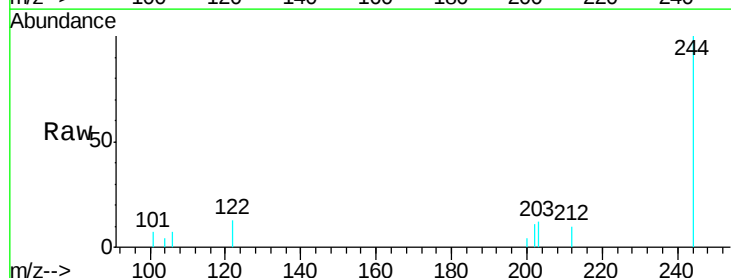
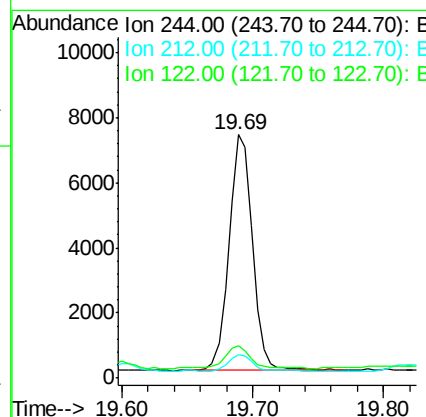
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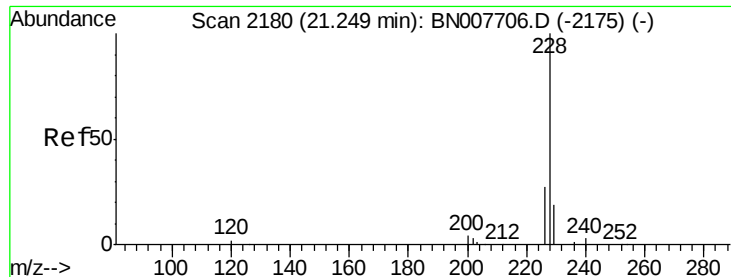
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#29
 Terphenyl-d14
 Concen: 0.189 ng
 RT: 19.69 min Scan# 1999
 Delta R.T. -0.02 min
 Lab File: BN008029.D
 Acq: 05 Oct 2019 17:03

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	9.5	5.9	8.9#
122	13.1	7.4	11.2#





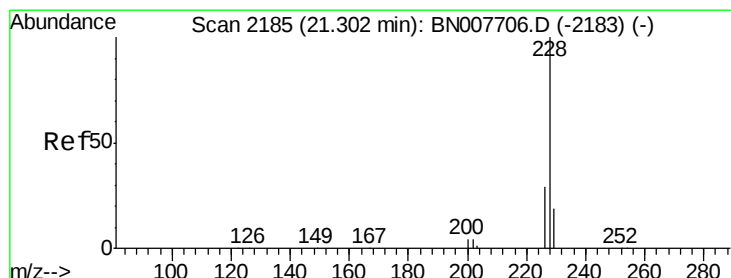
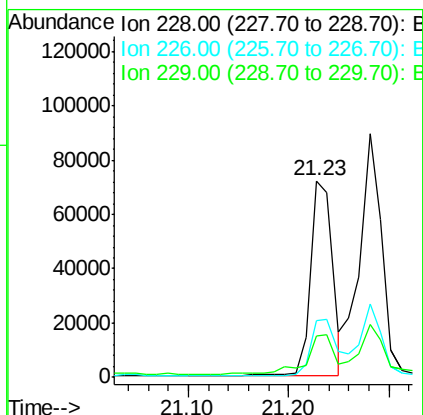
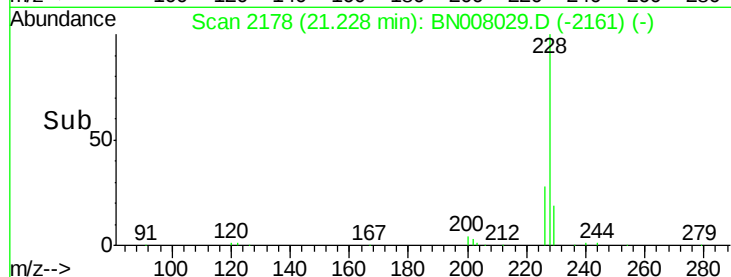
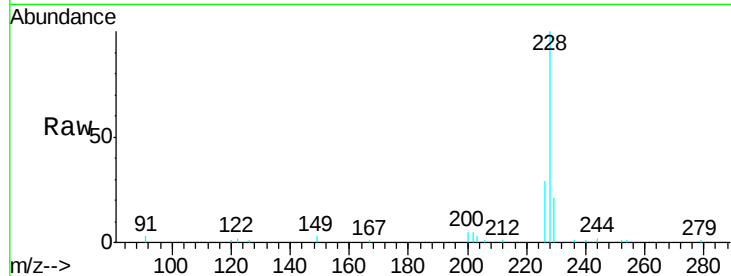
#30
Benzo(a)anthracene
Concen: 1.520 ng
RT: 21.23 min Scan# 2178
Delta R.T. -0.02 min
Lab File: BN008029.D
Acq: 05 Oct 2019 17:03

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW066-092519

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.1	33.1
229	21.4	15.8	23.6

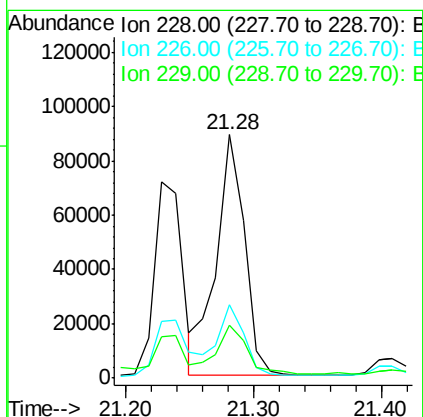
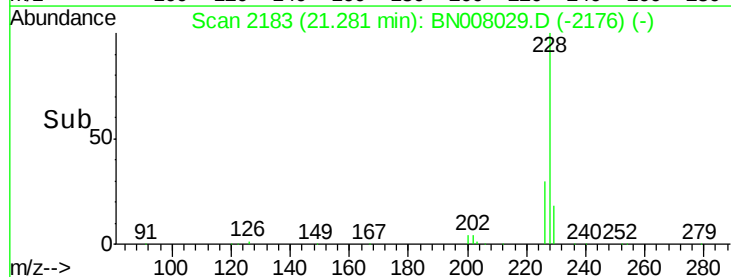
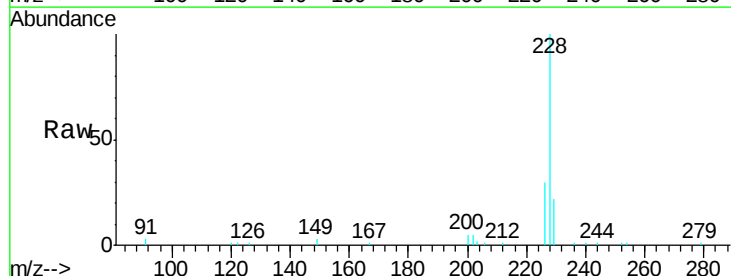
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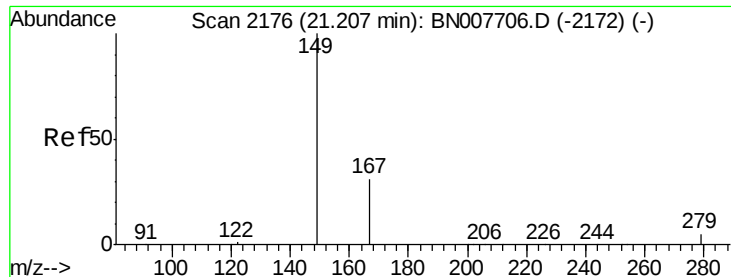
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#31
Chrysene
Concen: 1.925 ng
RT: 21.28 min Scan# 2183
Delta R.T. -0.02 min
Lab File: BN008029.D
Acq: 05 Oct 2019 17:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.9	35.9
229	21.7	15.8	23.6





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.777 ng

RT: 21.17 min Scan# 2173

Delta R.T. -0.03 min

Lab File: BN008029.D

Acq: 05 Oct 2019 17:03

Instrument :

BNA_N

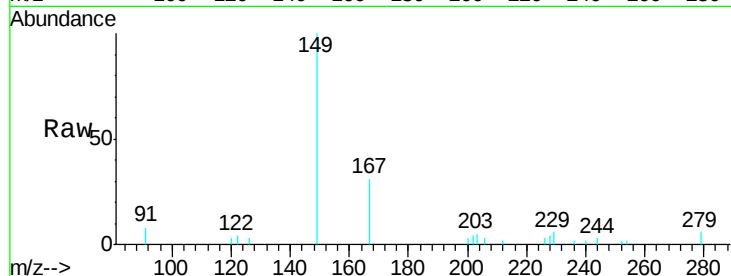
ClientSampleId :

EXT-024-SW066-092519

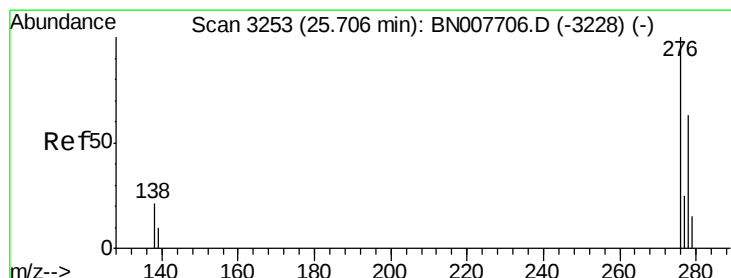
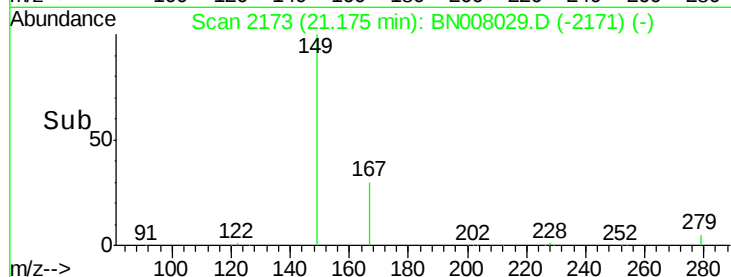
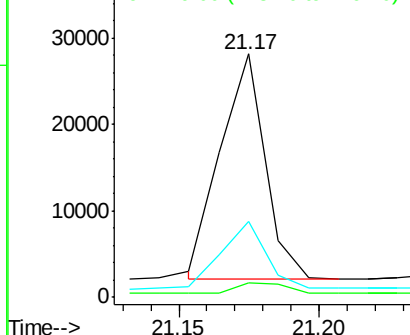
Tgt Ion:	149	Resp:	28962
Ion Ratio	Lower	Upper	
149	100		
167	29.3	23.7	35.5
279	5.6	4.2	6.2

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.967 ng

RT: 25.67 min Scan# 3242

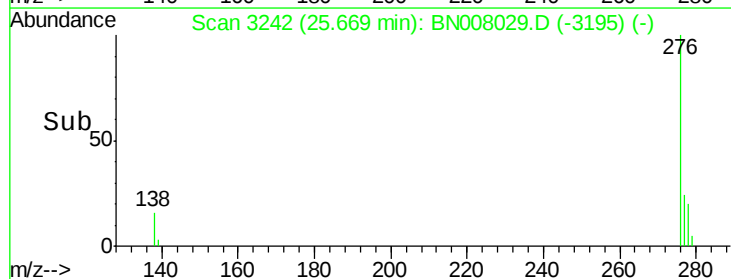
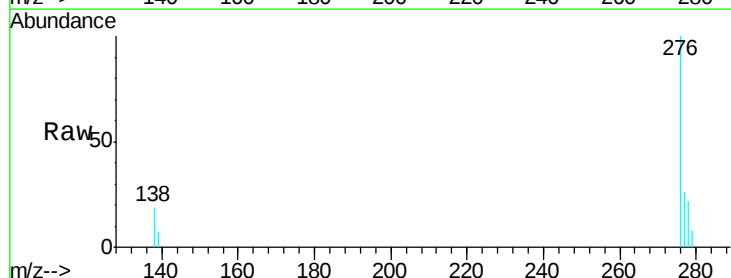
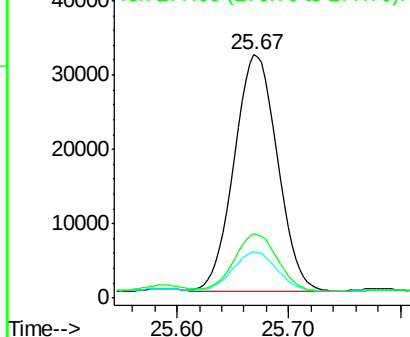
Delta R.T. -0.04 min

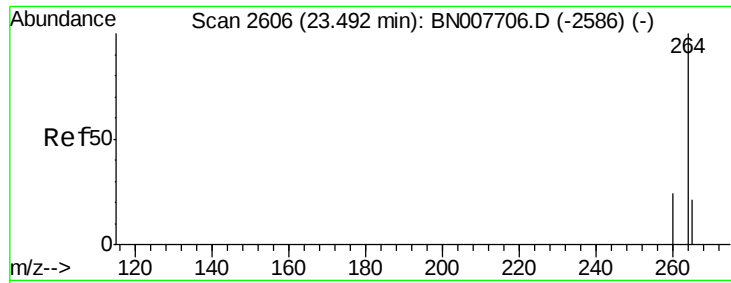
Lab File: BN008029.D

Acq: 05 Oct 2019 17:03

Tgt Ion:	276	Resp:	85524
Ion Ratio	Lower	Upper	
276	100		
138	16.9	17.1	25.7#
277	24.6	20.0	30.0

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





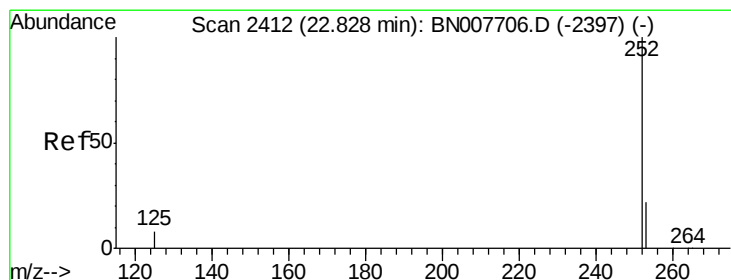
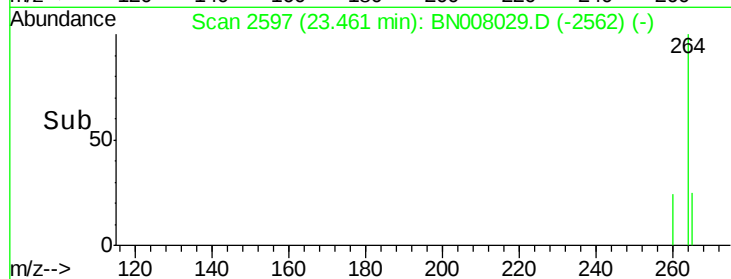
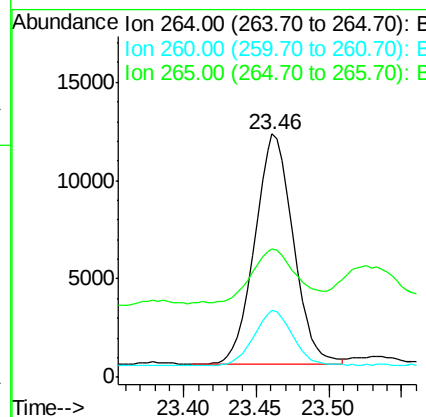
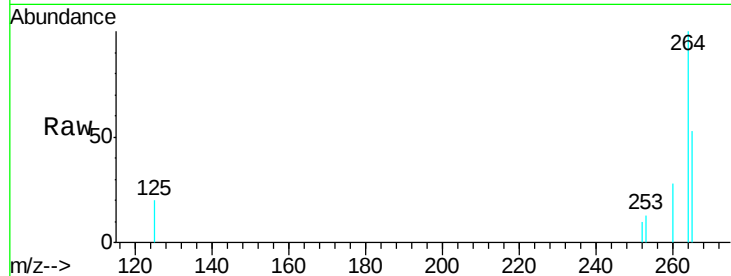
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.46 min Scan# 2597
 Delta R.T. -0.03 min
 Lab File: BN008029.D
 Acq: 05 Oct 2019 17:03

Instrument :
 BNA_N
 ClientSampleId :
 EXT-024-SW066-092519

Tgt Ion	Ratio	Lower	Upper
264	100		
260	27.6	19.3	28.9
265	52.6	26.9	40.3#

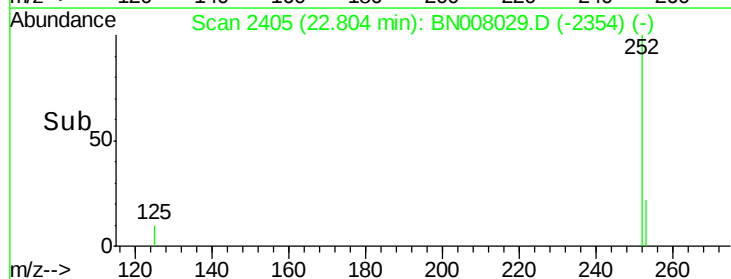
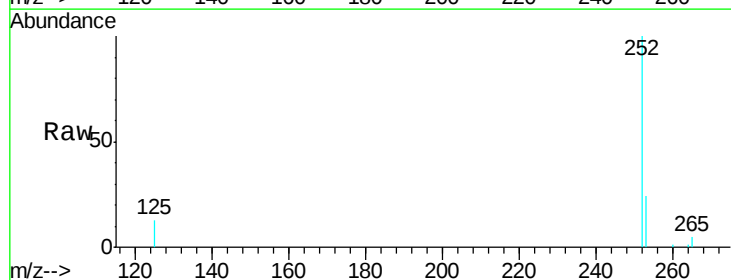
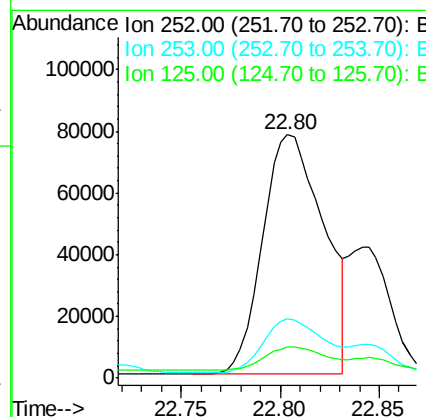
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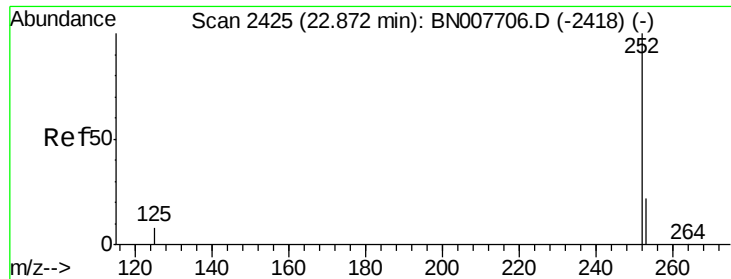
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#35
Benzo(b)fluoranthene
 Concen: 2.229 ng
 RT: 22.80 min Scan# 2405
 Delta R.T. -0.02 min
 Lab File: BN008029.D
 Acq: 05 Oct 2019 17:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.3	27.5
125	12.7	8.2	12.4#





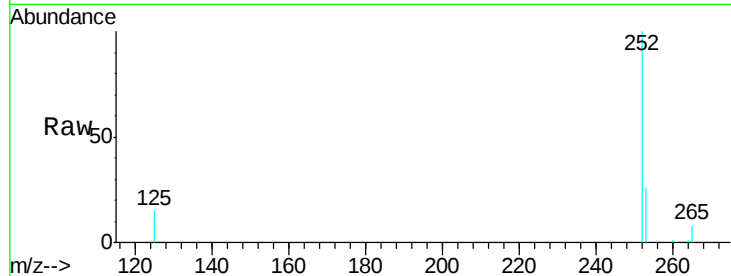
#36
Benzo(k)fluoranthene
Concen: 0.853 ng m
RT: 22.84 min Scan# 2416
Delta R.T. -0.03 min
Lab File: BN008029.D
Acq: 05 Oct 2019 17:03

Instrument :
BNA_N
ClientSampled :
EXT-024-SW066-092519

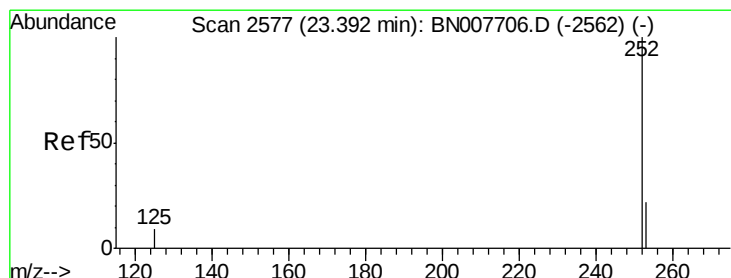
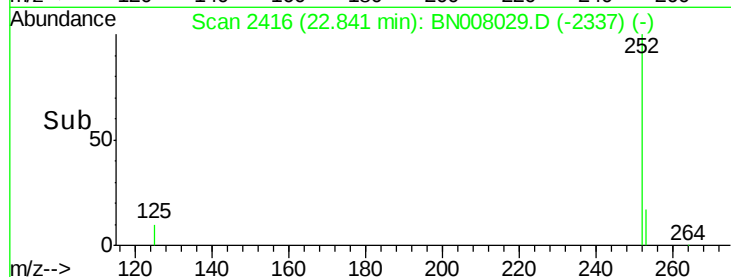
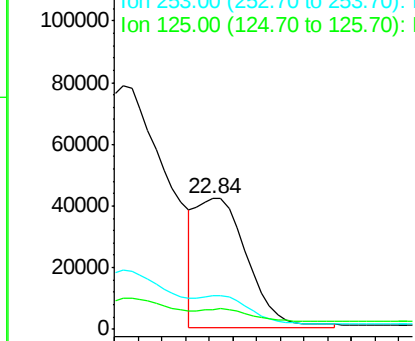
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.5	27.7
125	15.2	8.4	12.6

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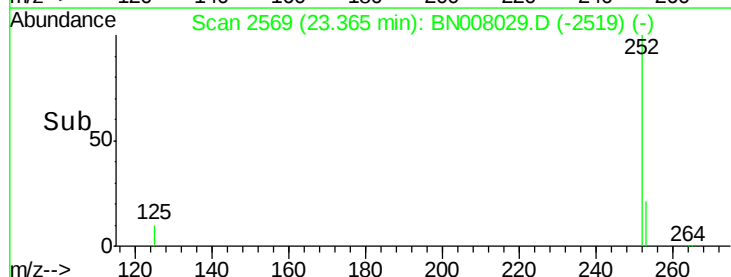
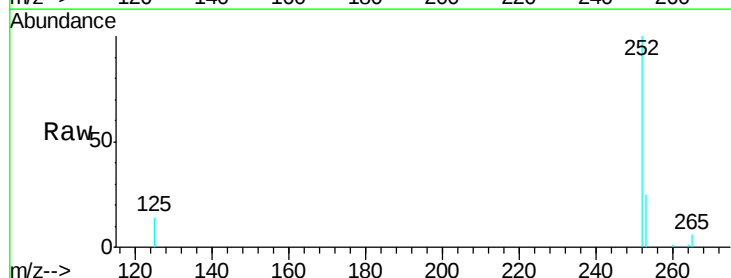
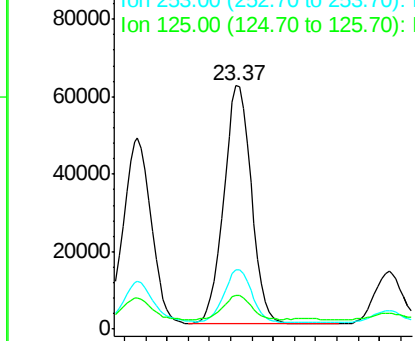
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

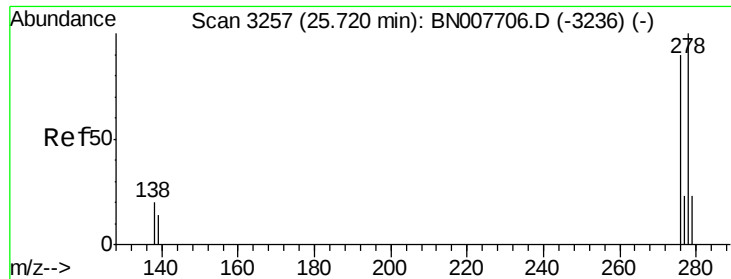


#37
Benzo(a)pyrene
Concen: 1.582 ng
RT: 23.37 min Scan# 2569
Delta R.T. -0.03 min
Lab File: BN008029.D
Acq: 05 Oct 2019 17:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.6	27.8
125	14.0	9.4	14.0

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.291 ng

RT: 25.68 min Scan# 3244

Delta R.T. -0.04 min

Lab File: BN008029.D

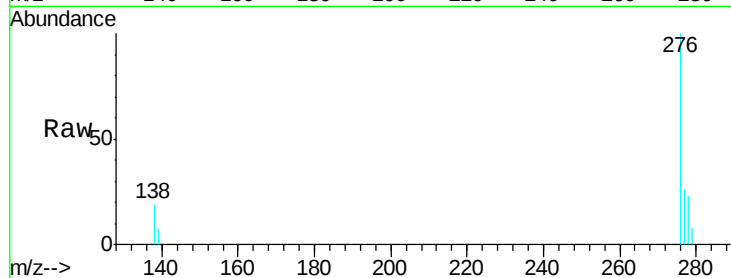
Acq: 05 Oct 2019 17:03

Instrument :

BNA_N

ClientSampleId :

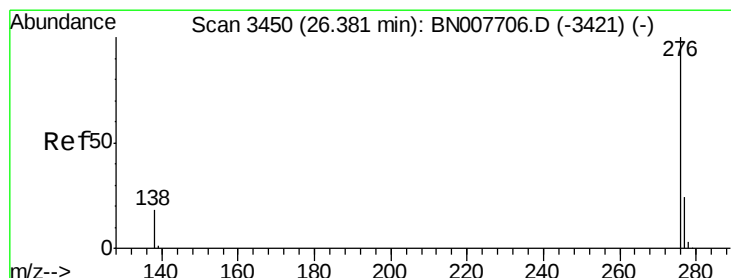
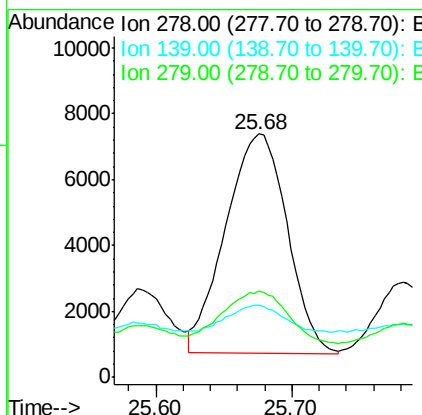
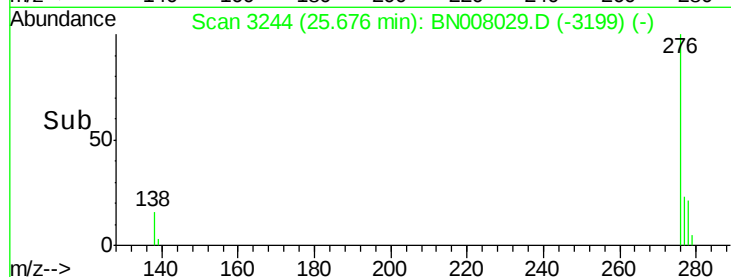
EXT-024-SW066-092519



Tgt Ion:	278	Resp:	20955
Ion Ratio	Lower	Upper	
278	100		
139	29.7	11.8	17.6#
279	35.4	19.4	29.2#

Manual Integrations
APPROVED

mohammad
10/7/2019 4:39:46 PM



#39

Benzo(g,h,i)perylene

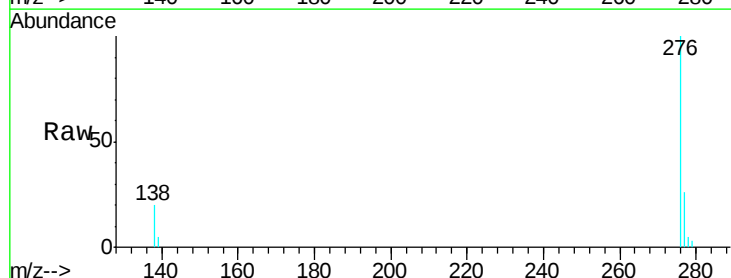
Concen: 1.216 ng

RT: 26.35 min Scan# 3440

Delta R.T. -0.03 min

Lab File: BN008029.D

Acq: 05 Oct 2019 17:03



Tgt Ion:	276	Resp:	86619
Ion Ratio	Lower	Upper	
276	100		
277	26.0	19.8	29.8
138	19.7	15.1	22.7

