

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081019\
 Data File : BN007055.D
 Acq On : 10 Aug 2019 19:22
 Operator : HP/JU
 Sample : K4144-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-007-SW125-073119

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:56:05 AM

Quant Time: Aug 12 10:57:13 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN081019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Aug 10 21:44:50 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	8243	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	30997	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	17913	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	45797	0.40	ng	0.00
26) Chrysene-d12	21.05	240	49023	0.40	ng	-0.01
32) Perylene-d12	23.16	264	54674	0.40	ng	0.00

System Monitoring Compounds

3) 2-Fluorophenol	5.06	112	4706	0.24	ng	0.00
4) Phenol-d6	6.61	99	6302	0.26	ng	0.00
7) Nitrobenzene-d5	8.56	82	4855	0.19	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	11915	0.21	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	1542	0.16	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	5122	0.20	ng	0.00
24) Fluoranthene-d10	18.87	212	31492	0.19	ng	0.00
28) Terphenyl-d14	19.49	244	25164	0.19	ng	0.00

Target Compounds

						Qvalue
15) Acenaphthylene	13.79	152	4712	0.050	ng	# 94
22) Phenanthrene	16.87	178	44521	0.324	ng	99
23) Anthracene	16.96	178	6762	0.054	ng	98
25) Fluoranthene	18.90	202	81527	0.464	ng	99
27) Pyrene	19.26	202	74819	0.435	ng	98
29) Benzo(a)anthracene	21.03	228	41746	0.233	ng	# 88
30) Chrysene	21.08	228	49287	0.283	ng	# 95
31) Indeno(1,2,3-cd)pyrene	25.24	276	24340	0.127	ng	97
33) Benzo(b)fluoranthene	22.55	252	58904	0.314	ng	97
34) Benzo(k)fluoranthene	22.58	252	16816m	0.091	ng	
35) Benzo(a)pyrene	23.07	252	35752	0.210	ng	97
36) Dibenzo(a,h)anthracene	25.25	278	7384	0.044	ng	# 72
37) Benzo(g,h,i)perylene	25.87	276	25210	0.145	ng	97

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

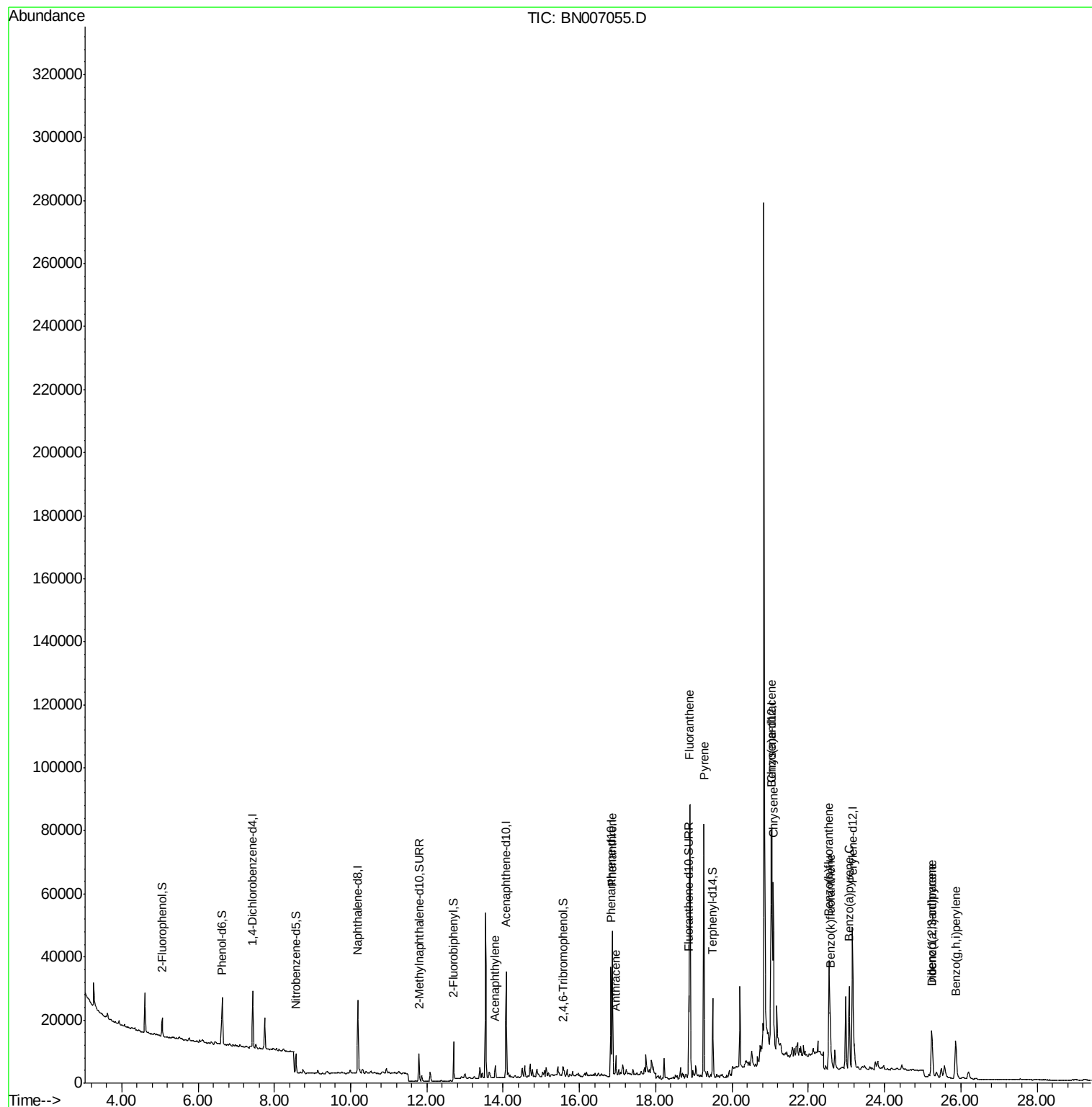
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081019\
Data File : BN007055.D
Acq On : 10 Aug 2019 19:22
Operator : HP/JU
Sample : K4144-03
Misc :
ALS Vial : 3 Sample Multiplier: 1

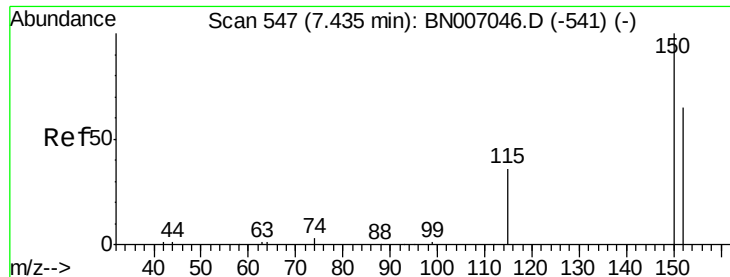
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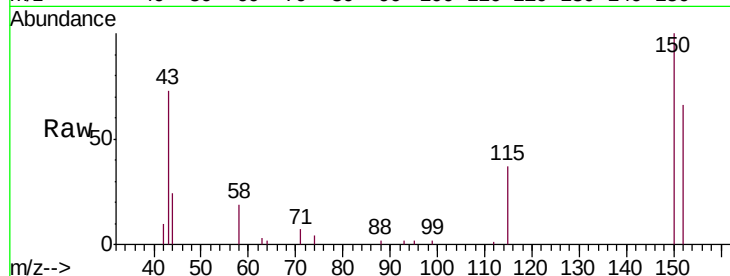




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.44 min Scan# 547
Delta R.T. 0.00 min
Lab File: BN007055.D
Acq: 10 Aug 2019 19:22

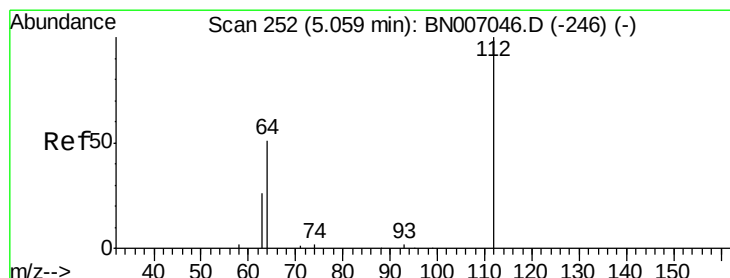
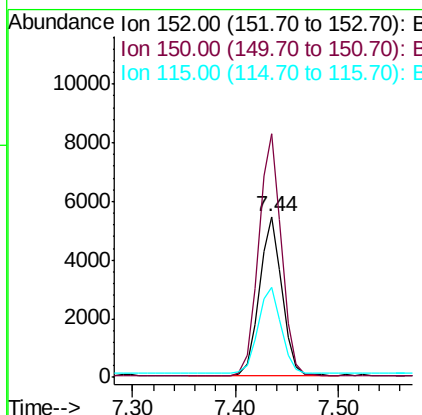
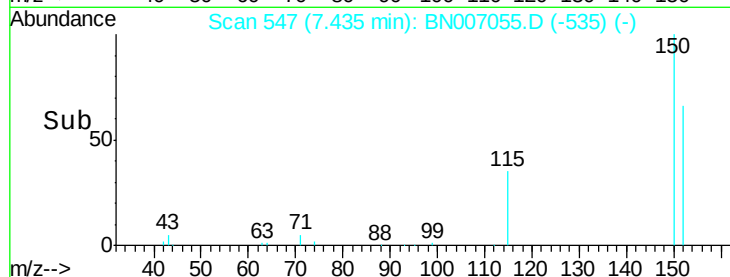
Instrument :
BNA_N
ClientSampleId :
EXT-007-SW125-073119



Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.4	121.7	182.5
115	55.6	46.2	69.4

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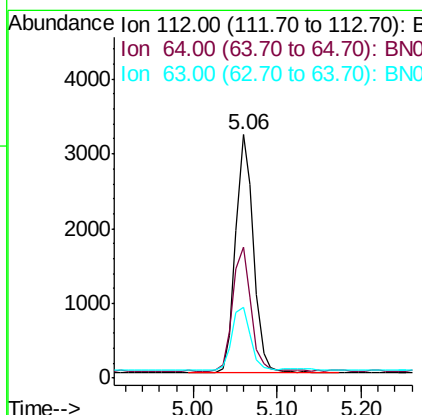
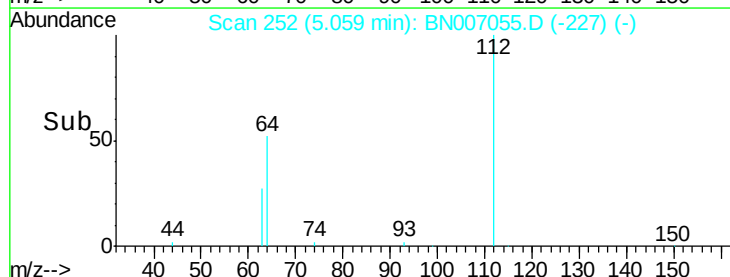
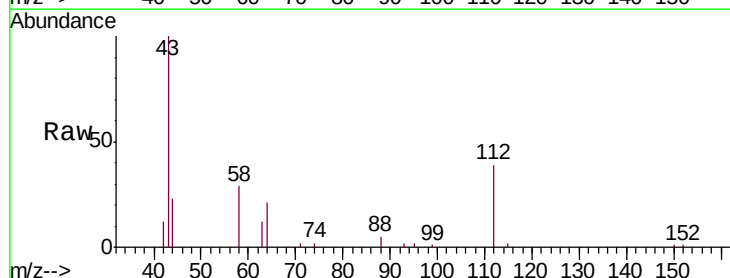
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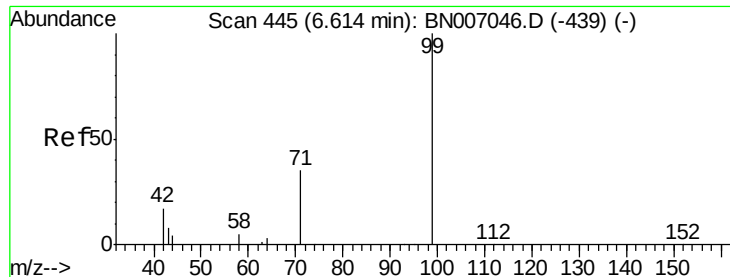


#3

2-Fluorophenol
Concen: 0.238 ng
RT: 5.06 min Scan# 252
Delta R.T. 0.00 min
Lab File: BN007055.D
Acq: 10 Aug 2019 19:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.5	42.6	63.8
63	27.5	22.2	33.2





#4

Phenol-d6

Concen: 0.257 ng

RT: 6.61 min Scan# 445

Delta R.T. 0.00 min

Lab File: BN007055.D

Acq: 10 Aug 2019 19:22

Instrument :

BNA_N

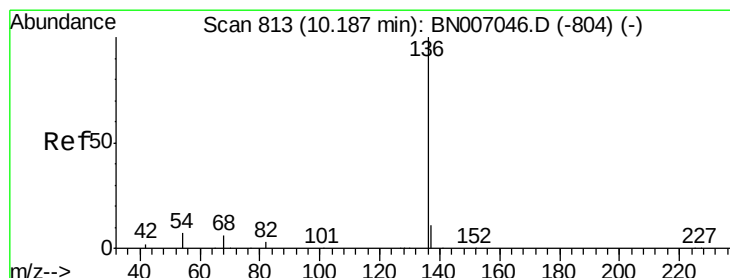
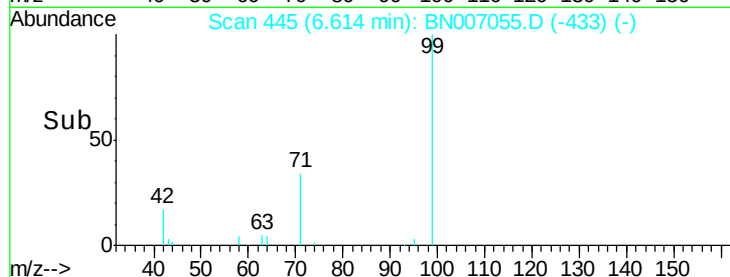
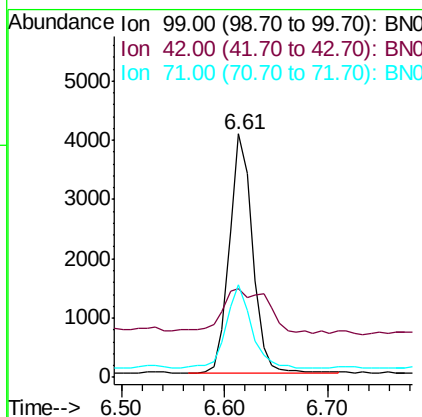
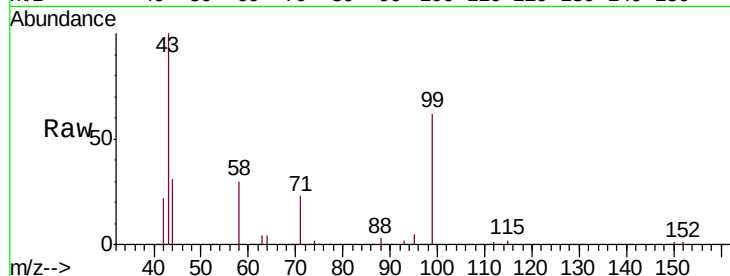
ClientSampleId :

EXT-007-SW125-073119

Tgt Ion:	99	Resp:	6302
Ion	Ratio	Lower	Upper
99	100		
42	36.3	15.8	23.6#
71	39.1	27.0	40.4

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#6

Naphthalene-d8

Concen: 0.400 ng

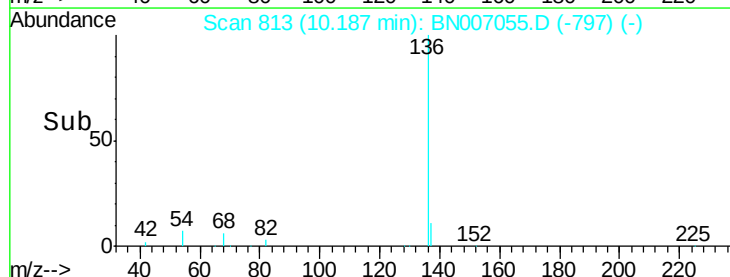
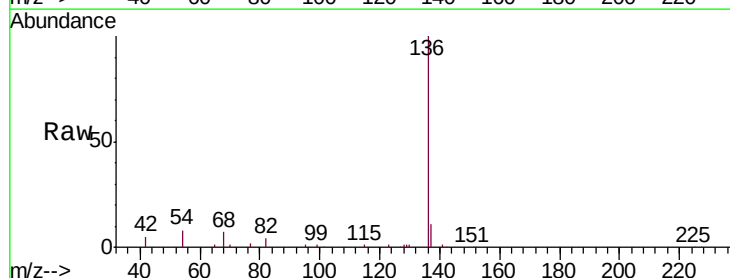
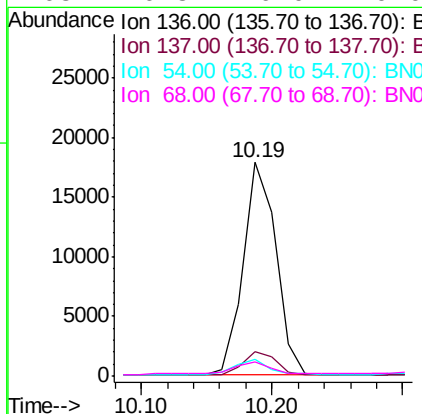
RT: 10.19 min Scan# 813

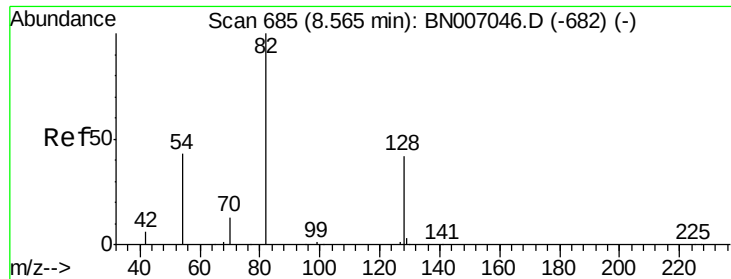
Delta R.T. 0.00 min

Lab File: BN007055.D

Acq: 10 Aug 2019 19:22

Tgt Ion:	136	Resp:	30997
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.4	14.0
54	7.5	6.6	9.8
68	6.8	6.0	9.0





#7

Nitrobenzene-d5

Concen: 0.194 ng

RT: 8.56 min Scan# 685

Delta R.T. 0.00 min

Lab File: BN007055.D

Acq: 10 Aug 2019 19:22

Instrument :

BNA_N

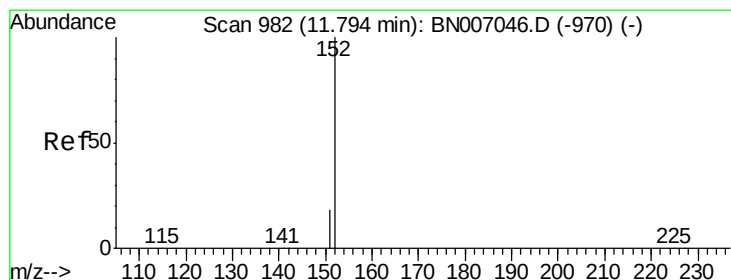
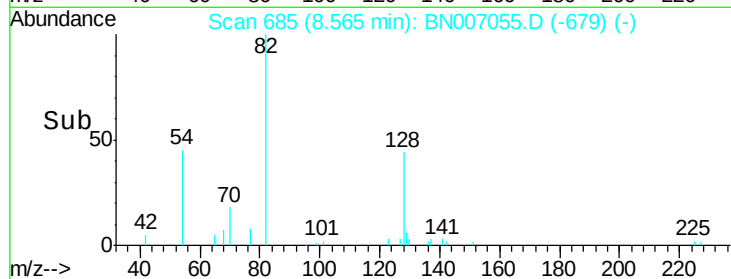
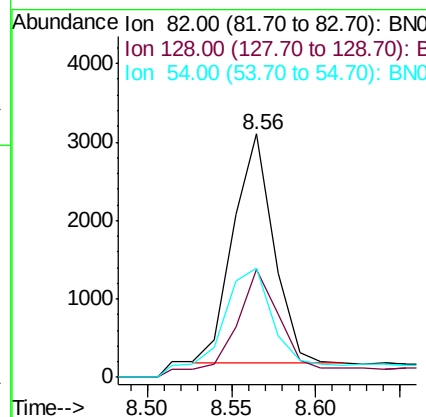
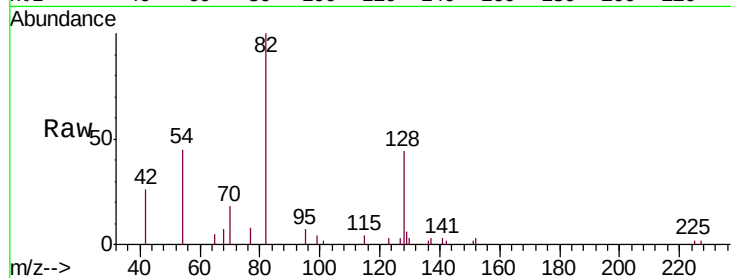
ClientSampleId :

EXT-007-SW125-073119

Tgt Ion:	82	Resp:	4855
Ion Ratio	Lower	Upper	
82	100		
128	44.4	34.6	51.8
54	44.9	36.2	54.4

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#10

2-Methylnaphthalene-d10

Concen: 0.206 ng

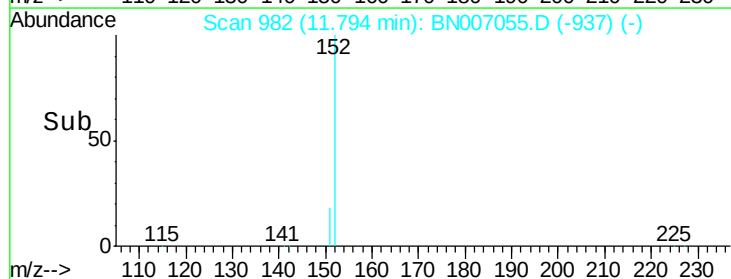
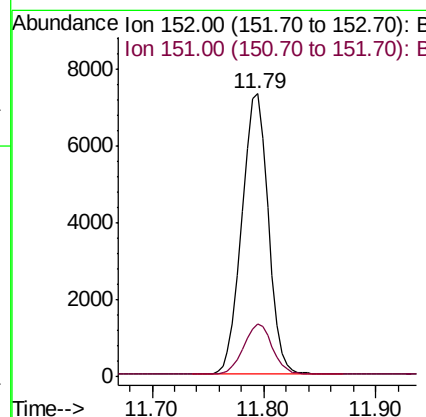
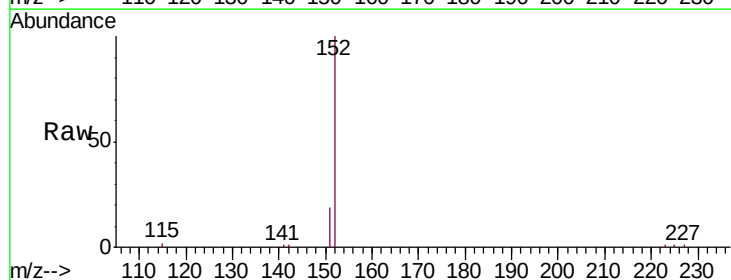
RT: 11.79 min Scan# 982

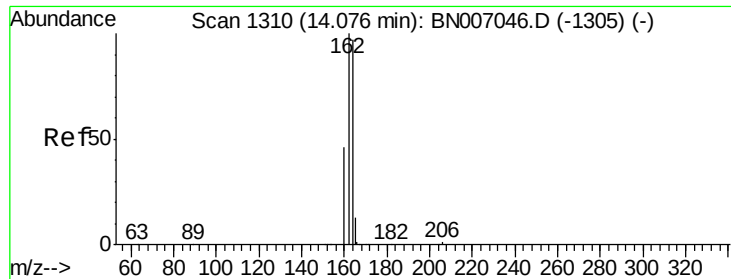
Delta R.T. 0.00 min

Lab File: BN007055.D

Acq: 10 Aug 2019 19:22

Tgt Ion:	152	Resp:	11915
Ion Ratio	Lower	Upper	
152	100		
151	19.4	15.5	23.3





#12

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.08 min Scan# 1310

Delta R.T. 0.00 min

Lab File: BN007055.D

Acq: 10 Aug 2019 19:22

Instrument :

BNA_N

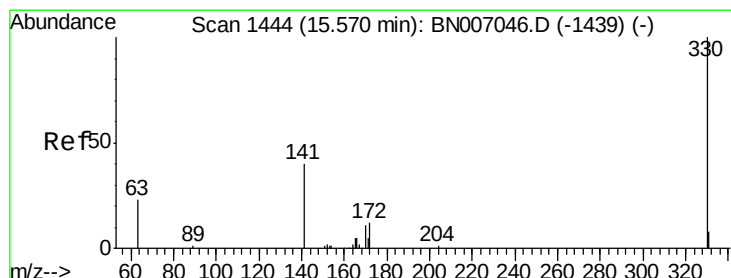
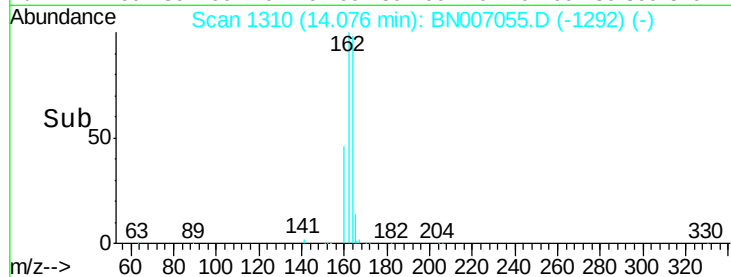
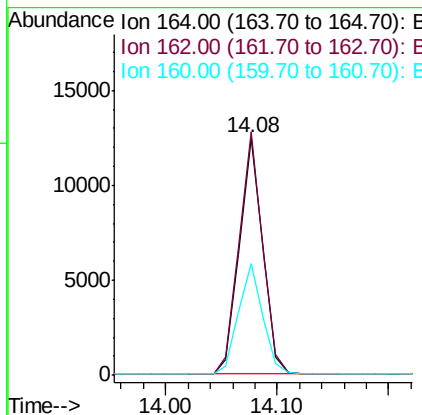
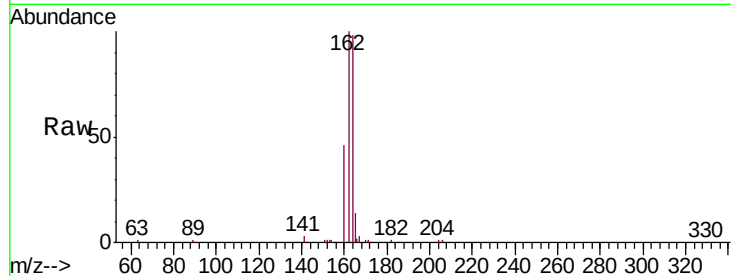
ClientSampleId :

EXT-007-SW125-073119

Tgt Ion:	164	Resp:	17913
Ion Ratio	Lower	Upper	
164	100		
162	102.6	82.2	123.4
160	47.3	38.3	57.5

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#13

2,4,6-Tribromophenol

Concen: 0.160 ng

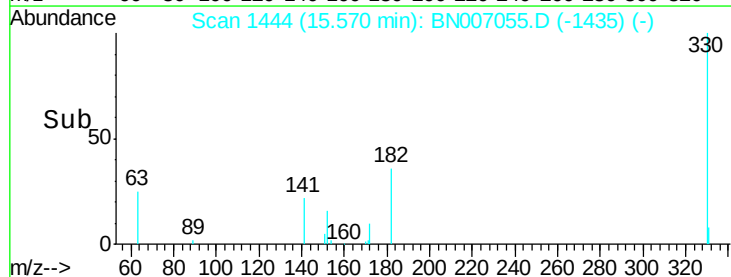
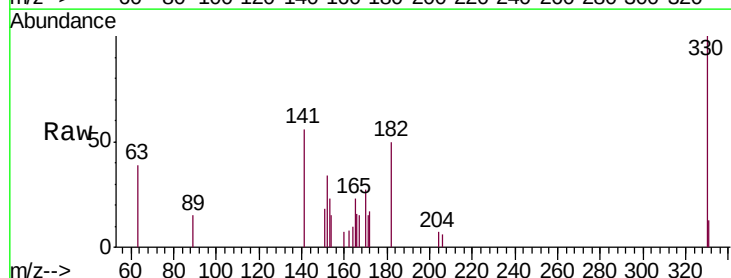
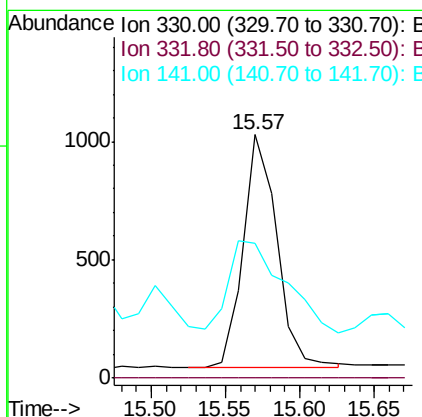
RT: 15.57 min Scan# 1444

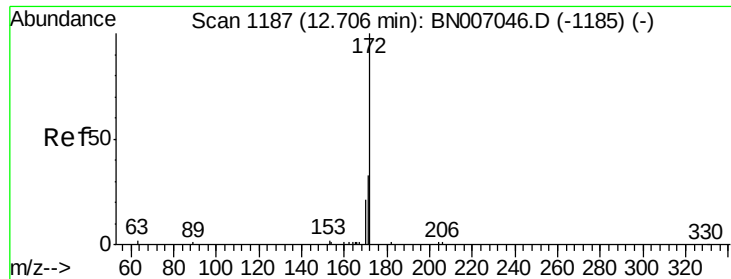
Delta R.T. 0.00 min

Lab File: BN007055.D

Acq: 10 Aug 2019 19:22

Tgt Ion:	330	Resp:	1542
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	66.3	33.6	50.4#





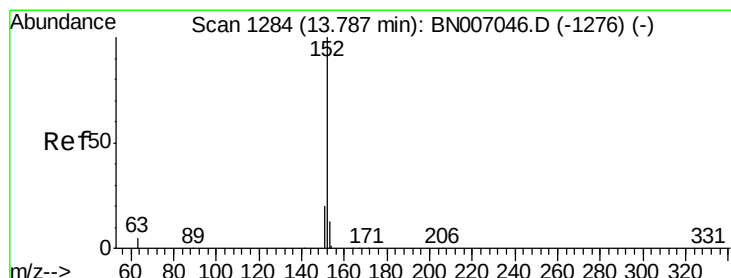
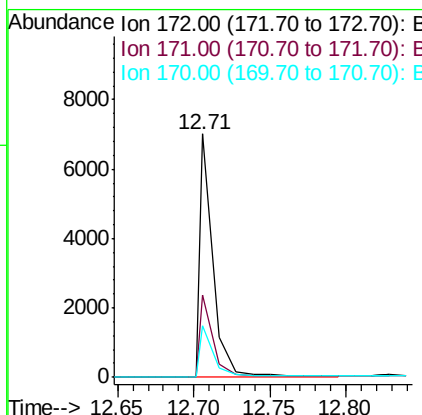
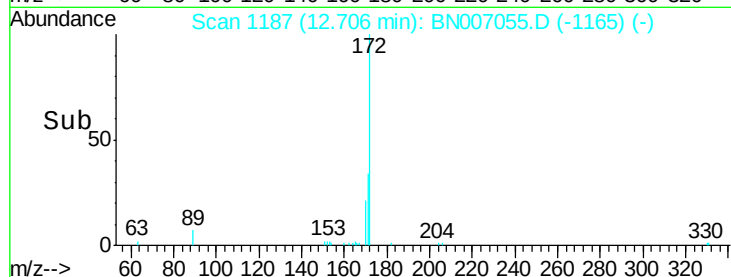
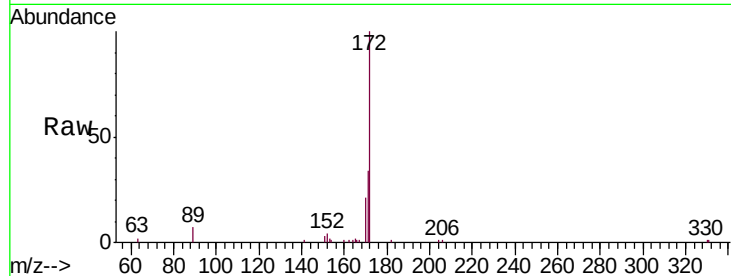
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2-Fluorobiphenyl
Concen: 0.197 ng
RT: 12.71 min Scan# 1187
Delta R.T. 0.00 min
Lab File: BN007055.D
Acq: 10 Aug 2019 19:22

Instrument :
BNA_N
ClientSampleId :
EXT-007-SW125-073119

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.9	26.3	39.5
170	21.1	17.0	25.4

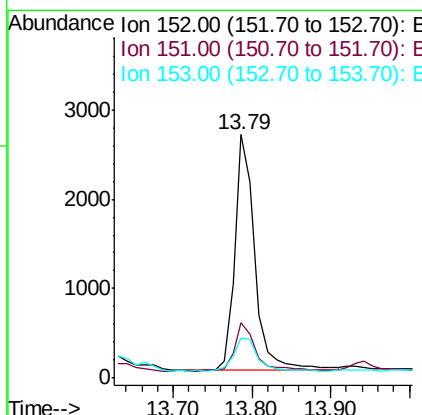
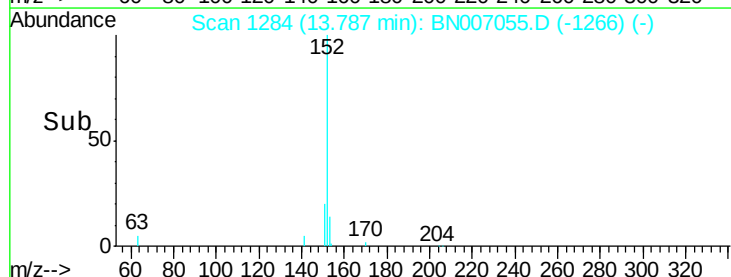
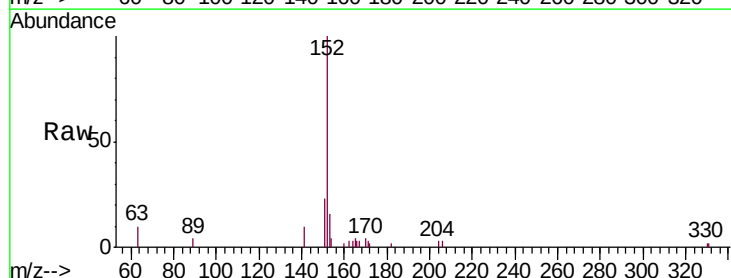
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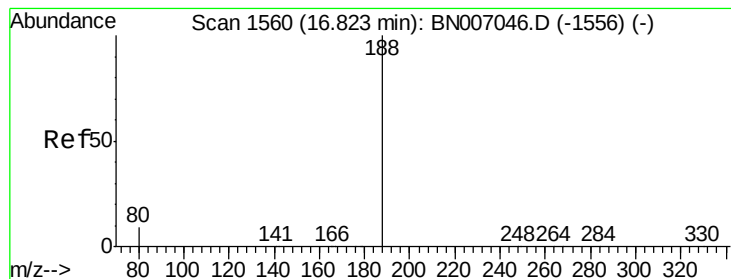
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#15
Acenaphthylene
Concen: 0.050 ng
RT: 13.79 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BN007055.D
Acq: 10 Aug 2019 19:22

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.1	15.8	23.6
153	16.3	10.4	15.6#





#18

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.82 min Scan# 1560

Delta R.T. 0.00 min

Lab File: BN007055.D

Acq: 10 Aug 2019 19:22

Instrument :

BNA_N

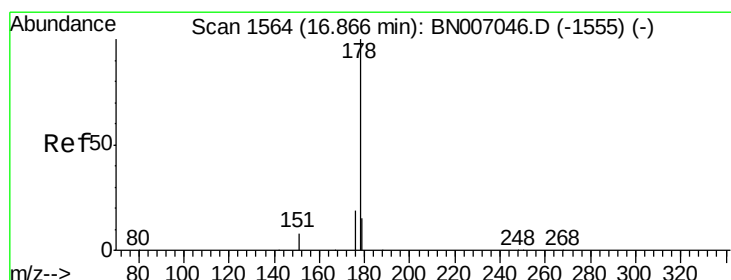
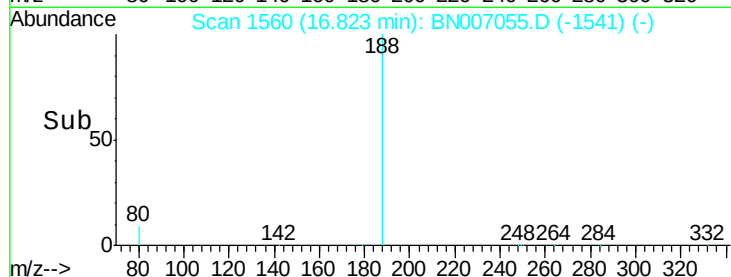
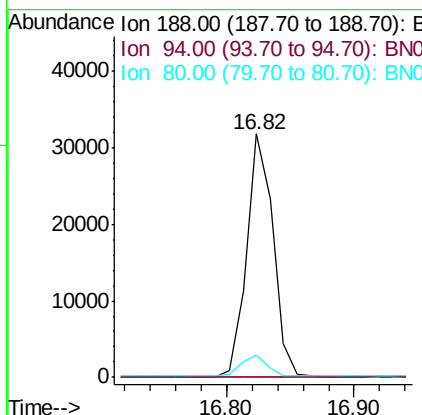
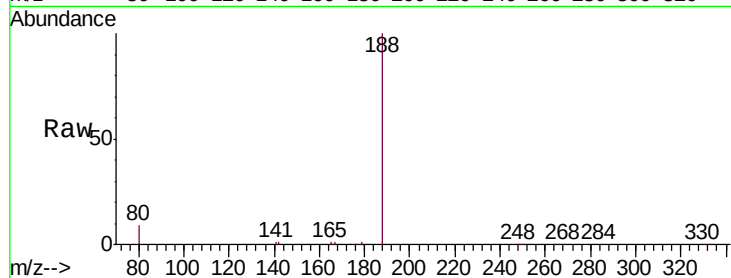
ClientSampleId :

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Tgt Ion:	188	Resp:	45797
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.2	7.8	11.6

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#22

Phenanthrene

Concen: 0.324 ng

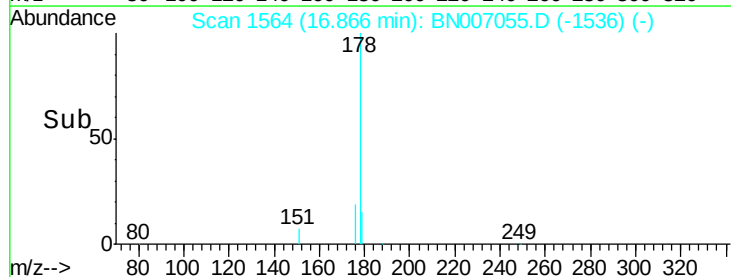
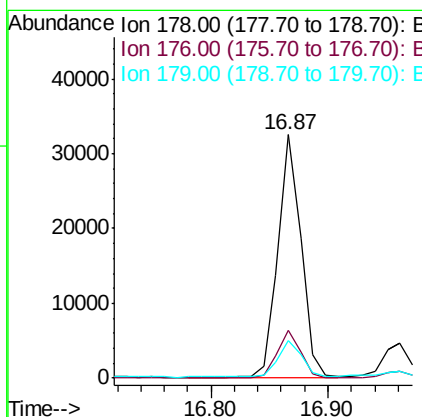
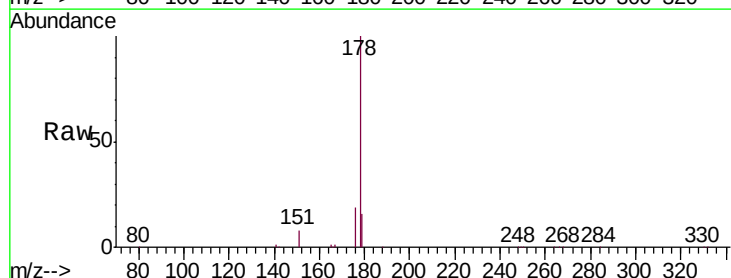
RT: 16.87 min Scan# 1564

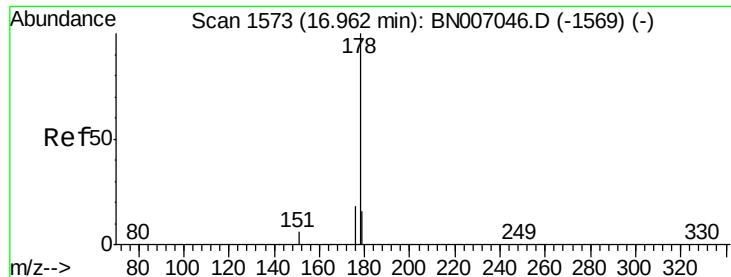
Delta R.T. 0.00 min

Lab File: BN007055.D

Acq: 10 Aug 2019 19:22

Tgt Ion:	178	Resp:	44521
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.2	22.8
179	16.1	12.3	18.5





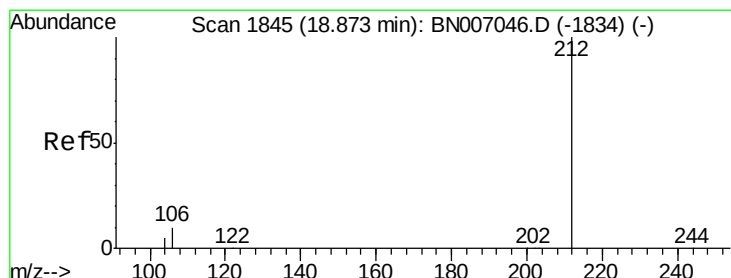
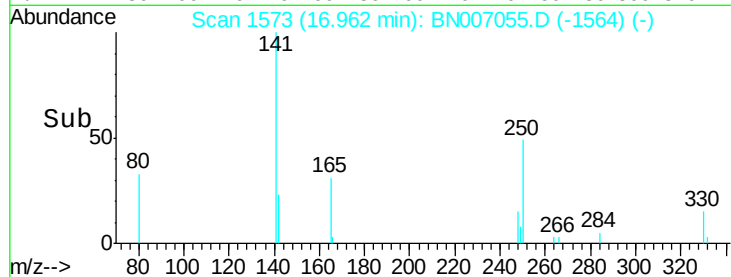
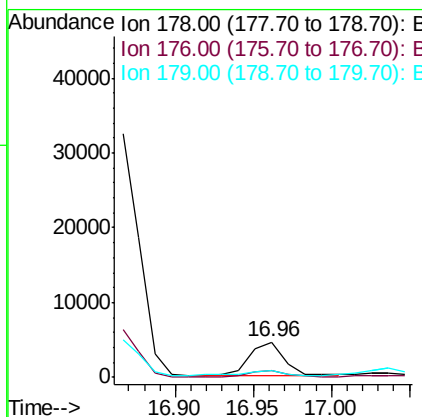
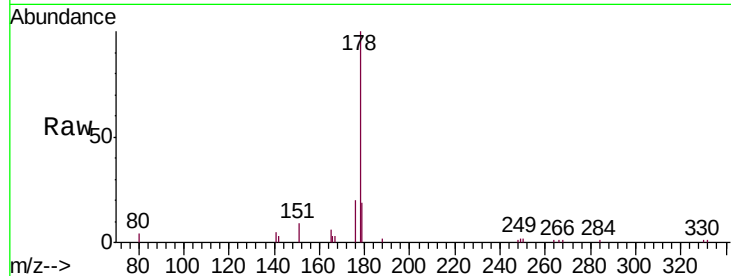
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 Anthracene
 Concen: 0.054 ng
 RT: 16.96 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: BN007055.D
 Acq: 10 Aug 2019 19:22

Instrument :
 BNA_N
 ClientSampleId :
 EXT-007-SW125-073119

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.6	21.8
179	17.3	12.5	18.7

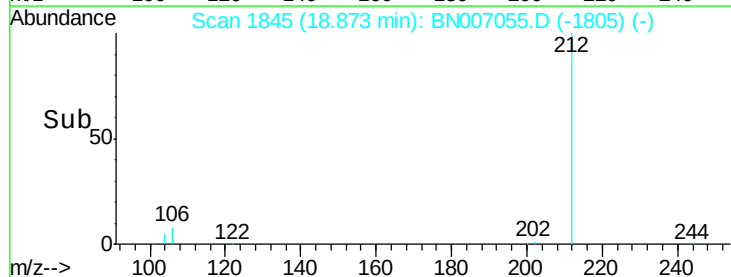
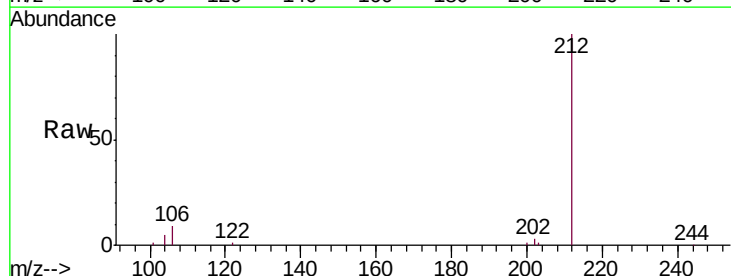
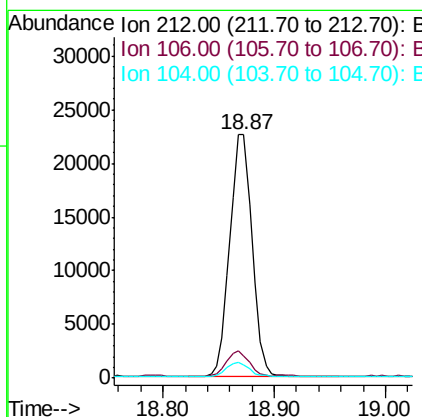
Manual Integrations
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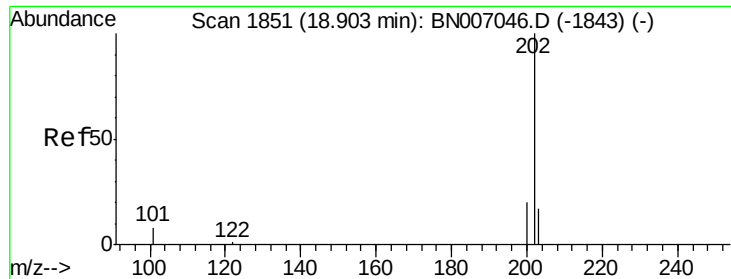
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#24
 Fluoranthene-d10
 Concen: 0.194 ng
 RT: 18.87 min Scan# 1845
 Delta R.T. 0.00 min
 Lab File: BN007055.D
 Acq: 10 Aug 2019 19:22

Tgt Ion	Ratio	Lower	Upper
212	100		
106	10.2	8.2	12.2
104	5.7	4.5	6.7





#25

Fluoranthene

Concen: 0.464 ng

RT: 18.90 min Scan# 1851

Delta R.T. 0.00 min

Lab File: BN007055.D

Acq: 10 Aug 2019 19:22

Instrument :

BNA_N

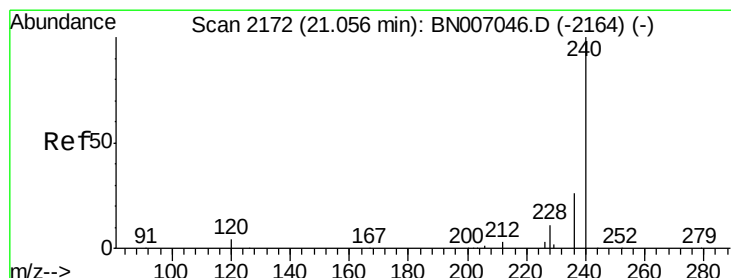
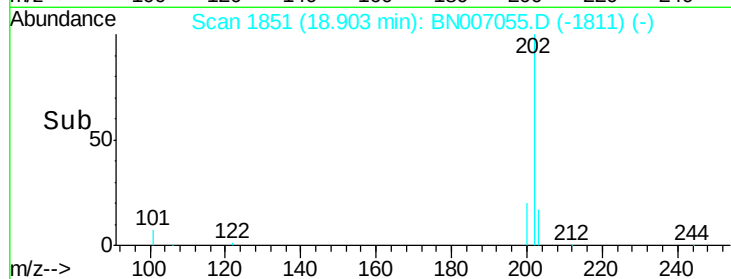
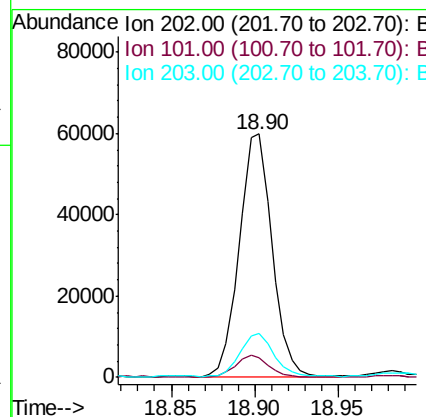
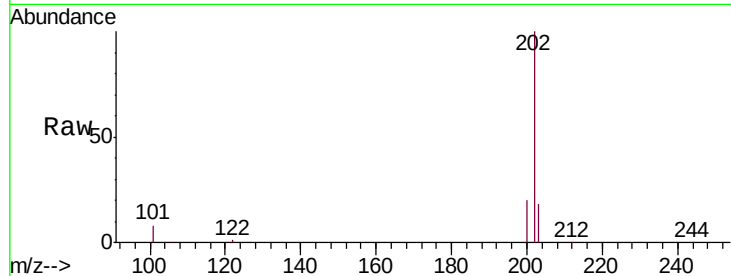
ClientSampleId :

EXT-007-SW125-073119

Tgt Ion:	202	Resp:	81527
Ion Ratio	Lower	Upper	
202	100		
101	8.5	7.0	10.4
203	17.9	13.8	20.8

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#26

Chrysene-d12

Concen: 0.400 ng

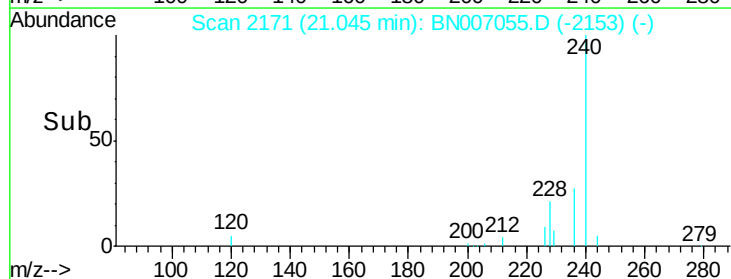
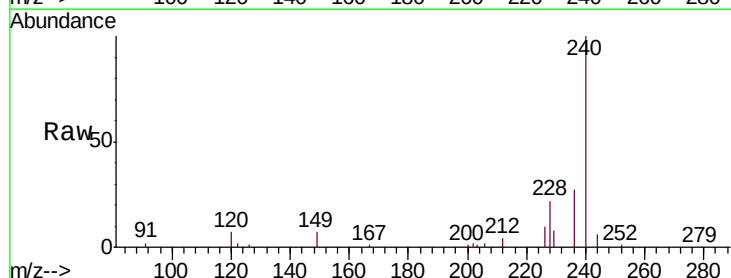
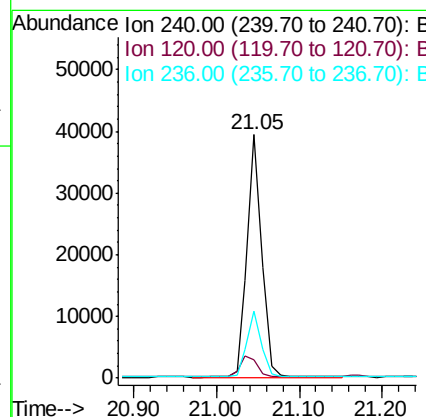
RT: 21.05 min Scan# 2171

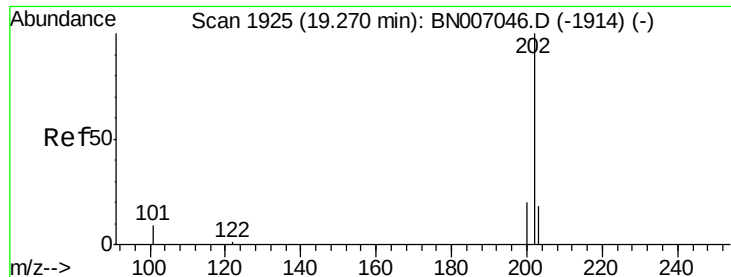
Delta R.T. -0.01 min

Lab File: BN007055.D

Acq: 10 Aug 2019 19:22

Tgt Ion:	240	Resp:	49023
Ion Ratio	Lower	Upper	
240	100		
120	7.4	4.0	6.0#
236	27.4	21.3	31.9





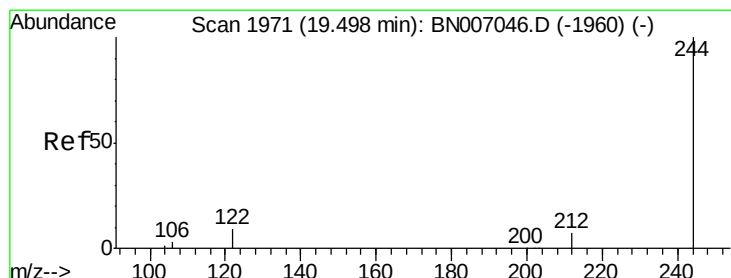
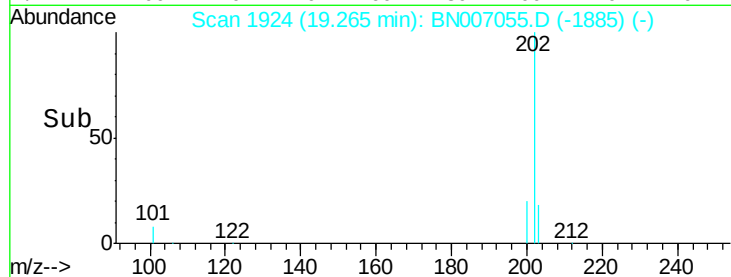
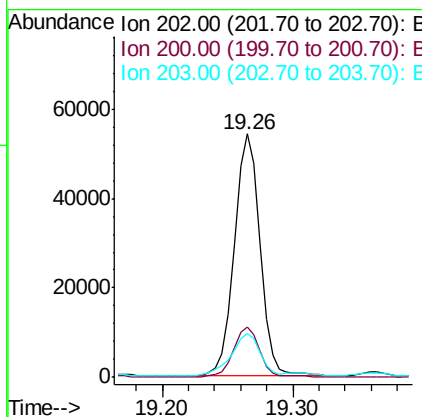
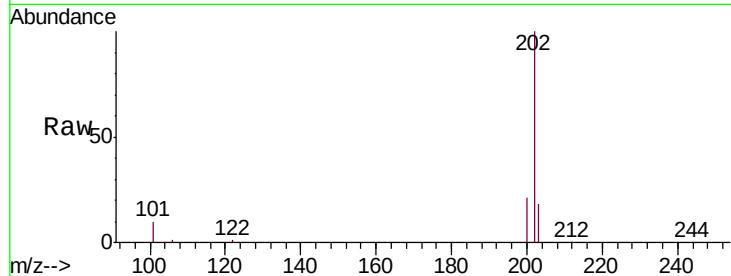
#27
Pyrene
 Concen: 0.435 ng
 RT: 19.26 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: BN007055.D
 Acq: 10 Aug 2019 19:22

Instrument :
 BNA_N
 ClientSampleId :
 EXT-007-SW125-073119

Tgt Ion:	202	Resp:	74819
Ion Ratio	Lower	Upper	
202	100		
200	20.8	16.6	24.8
203	19.7	14.0	21.0

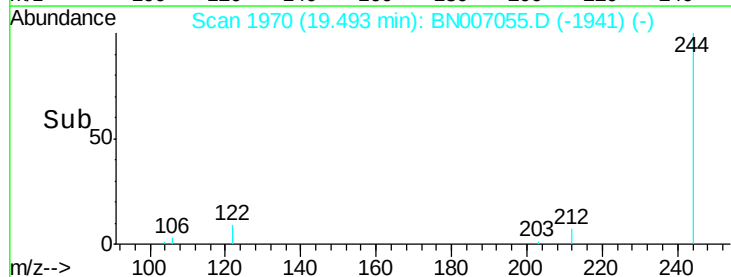
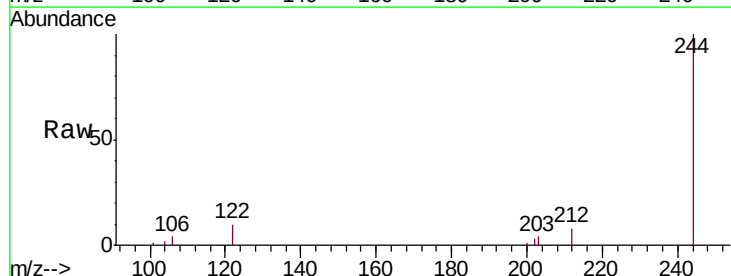
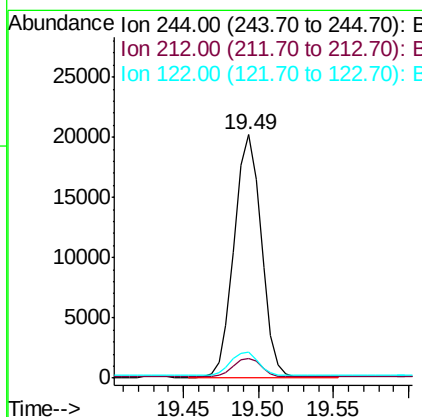
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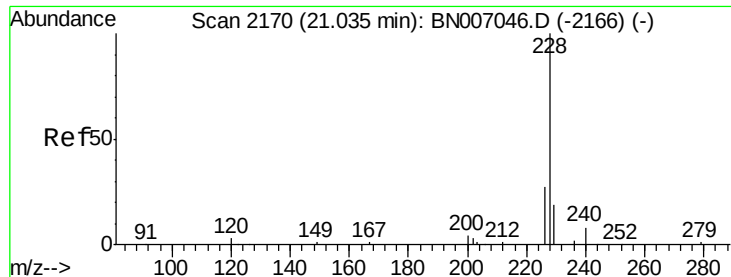
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#28
Terphenyl-d14
 Concen: 0.188 ng
 RT: 19.49 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: BN007055.D
 Acq: 10 Aug 2019 19:22

Tgt Ion:	244	Resp:	25164
Ion Ratio	Lower	Upper	
244	100		
212	8.1	6.2	9.2
122	10.4	7.4	11.2





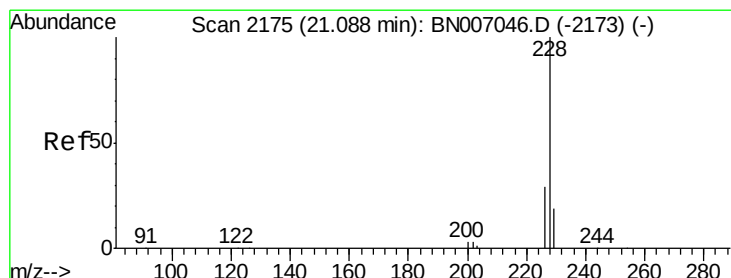
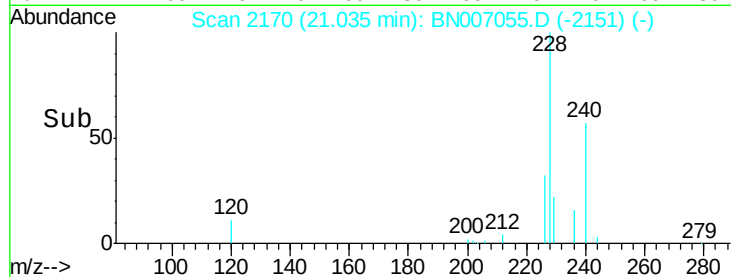
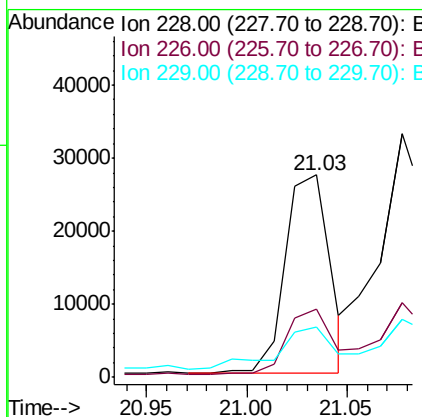
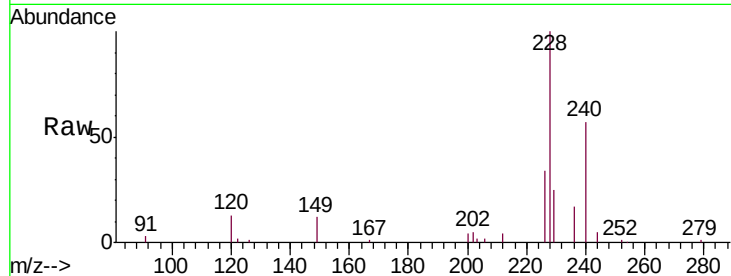
#29
Benzo(a)anthracene
Concen: 0.233 ng
RT: 21.03 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BN007055.D
Acq: 10 Aug 2019 19:22

Instrument :
BNA_N
ClientSampleId :
EXT-007-SW125-073119

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.6	21.8	32.6#
229	25.0	15.6	23.4#

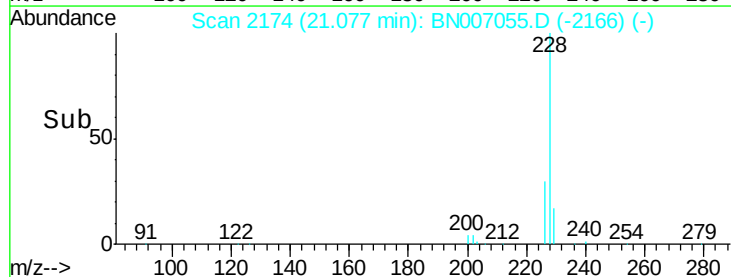
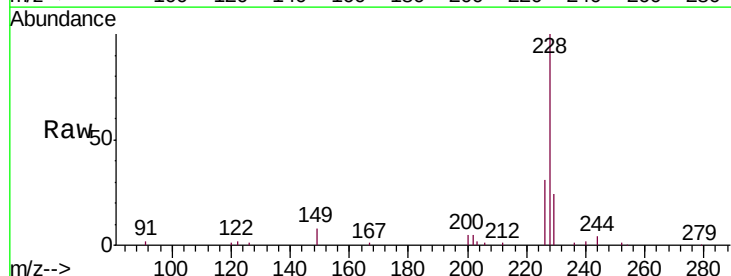
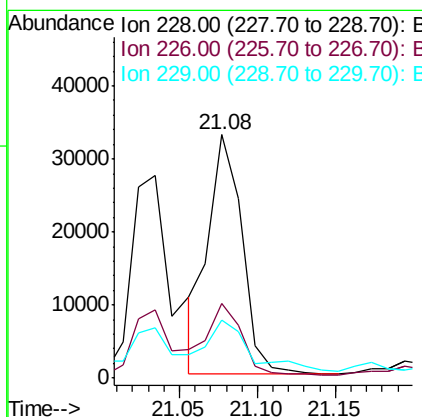
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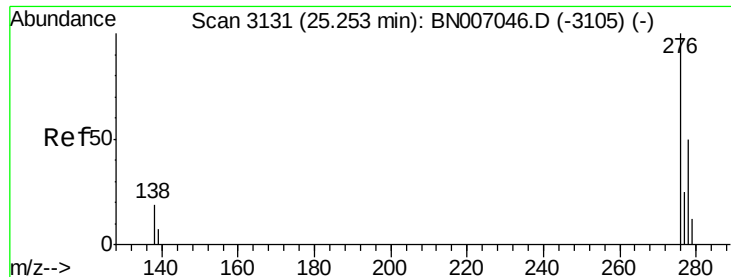
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#30
Chrysene
Concen: 0.283 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007055.D
Acq: 10 Aug 2019 19:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.8	35.6
229	23.9	15.7	23.5#





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.127 ng

RT: 25.24 min Scan# 3126

Delta R.T. -0.02 min

Lab File: BN007055.D

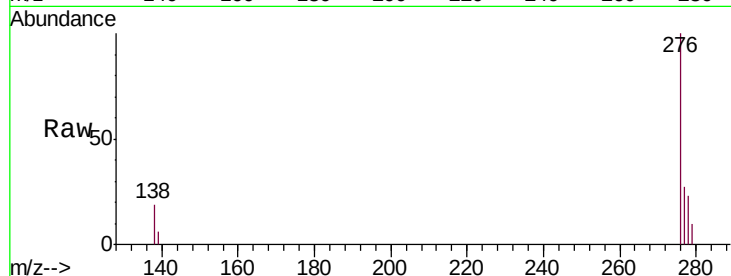
Acq: 10 Aug 2019 19:22

Instrument :

BNA_N

ClientSampleId :

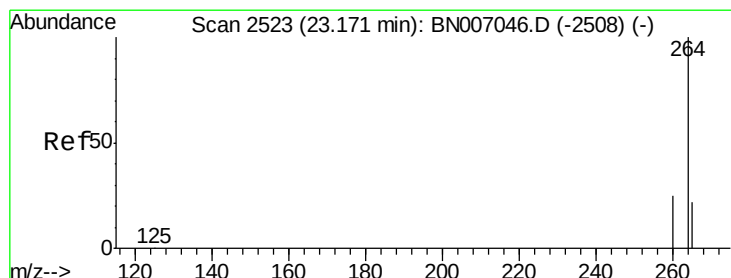
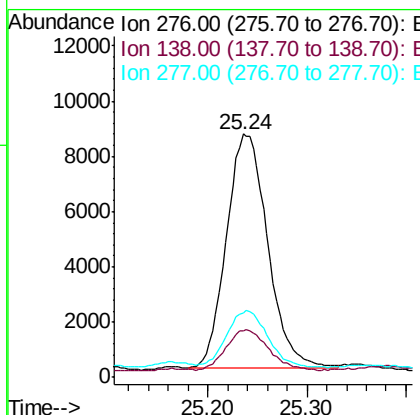
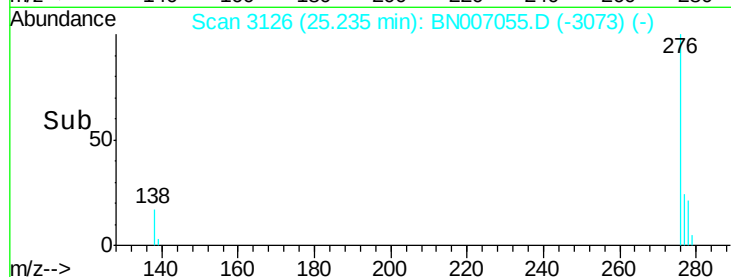
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Tgt Ion:	276	Resp:	24340
Ion Ratio	Lower	Upper	
276	100		
138	17.9	16.0	24.0
277	24.4	19.9	29.9

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#32

Perylene-d12

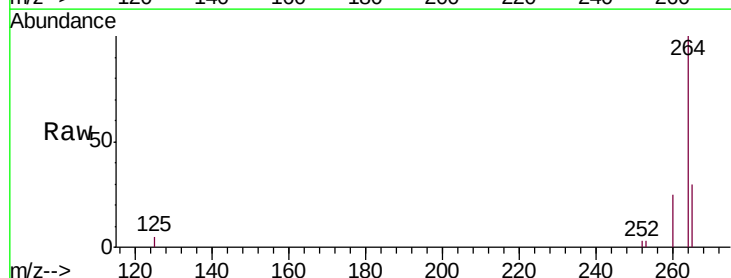
Concen: 0.400 ng

RT: 23.16 min Scan# 2521

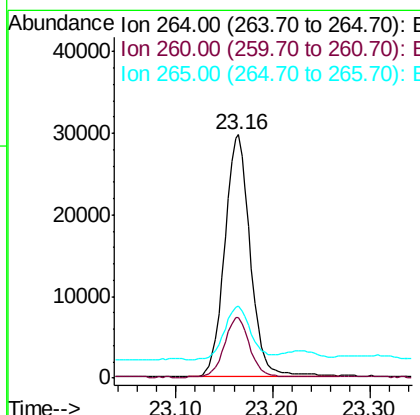
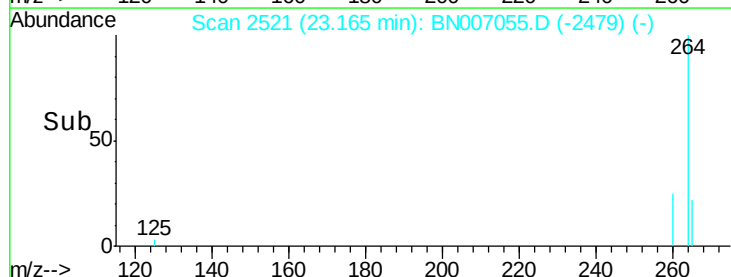
Delta R.T. -0.01 min

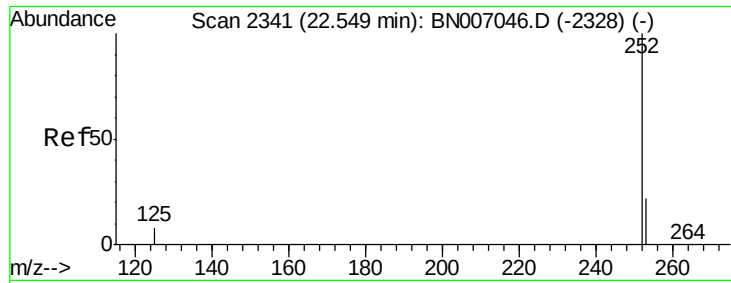
Lab File: BN007055.D

Acq: 10 Aug 2019 19:22



Tgt Ion:	264	Resp:	54674
Ion Ratio	Lower	Upper	
264	100		
260	24.9	19.8	29.8
265	29.6	26.2	39.4





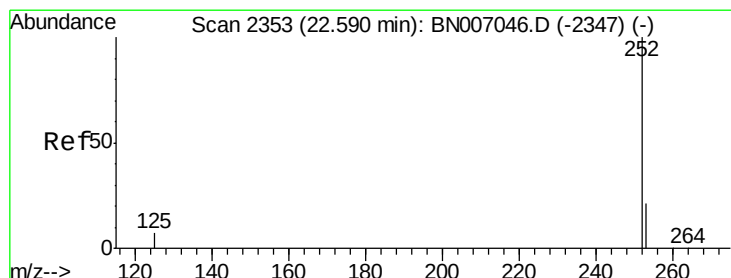
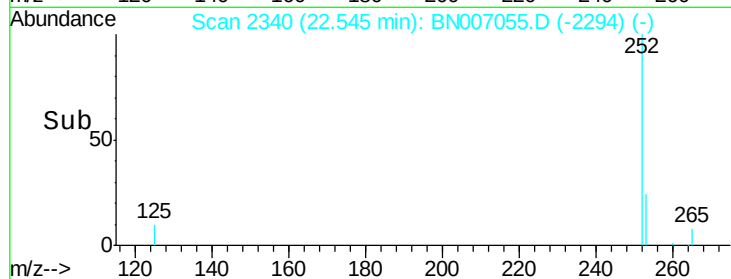
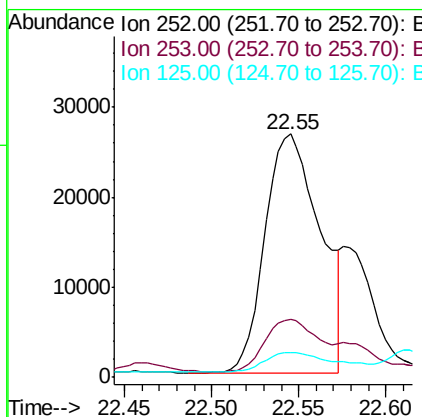
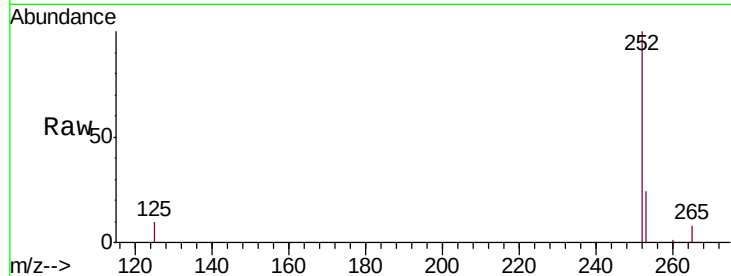
#33
Benzo(b)fluoranthene
Concen: 0.314 ng
RT: 22.55 min Scan# 2340
Delta R.T. -0.00 min
Lab File: BN007055.D
Acq: 10 Aug 2019 19:22

Instrument :
BNA_N
ClientSampleId :
EXT-007-SW125-073119

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.2
125	10.1	7.4	11.0

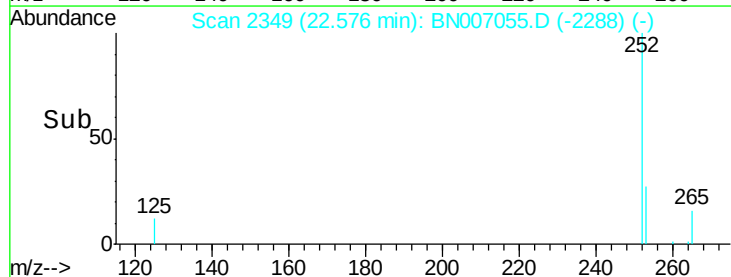
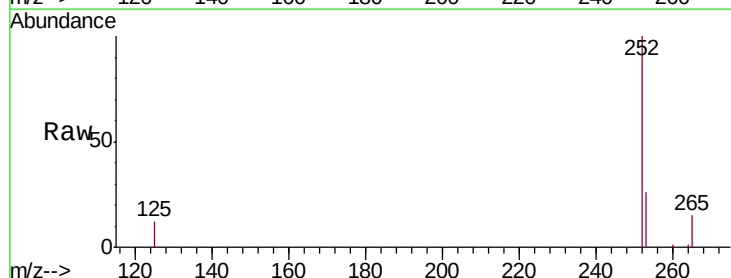
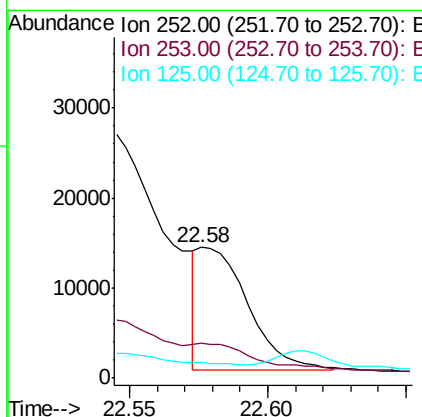
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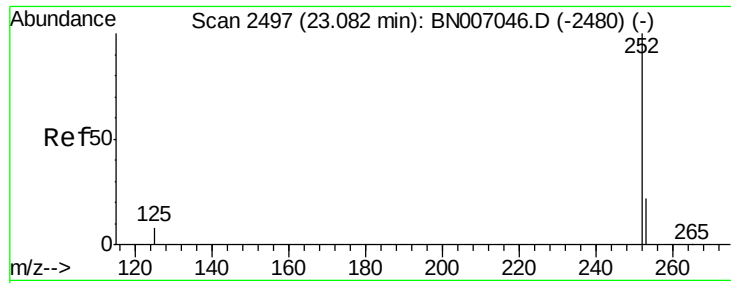
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#34
Benzo(k)fluoranthene
Concen: 0.091 ng m
RT: 22.58 min Scan# 2349
Delta R.T. -0.01 min
Lab File: BN007055.D
Acq: 10 Aug 2019 19:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	18.1	27.1
125	12.0	7.4	11.0#





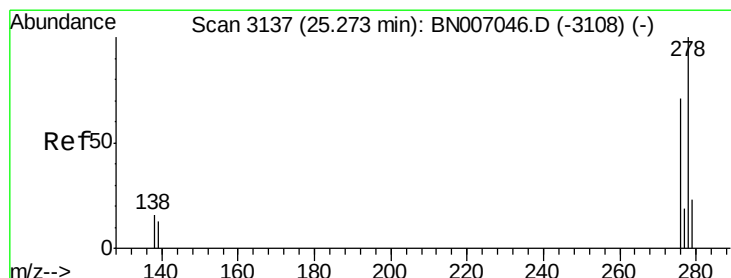
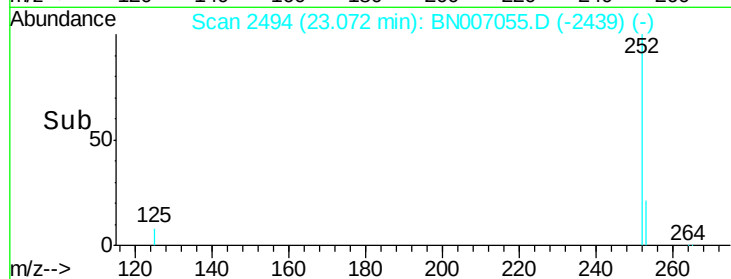
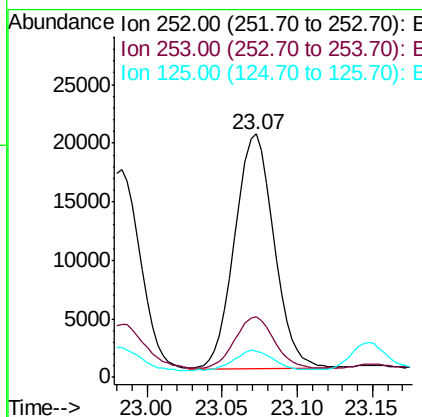
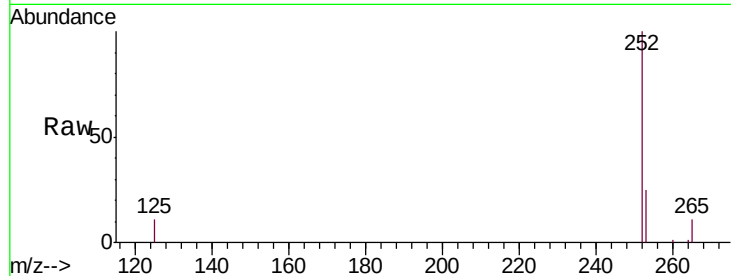
#35
Benzo(a)pyrene
Concen: 0.210 ng
RT: 23.07 min Scan# 2494
Delta R.T. -0.01 min
Lab File: BN007055.D
Acq: 10 Aug 2019 19:22

Instrument :
BNA_N
ClientSampleId :
EXT-007-SW125-073119

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.5	27.7
125	10.9	8.2	12.4

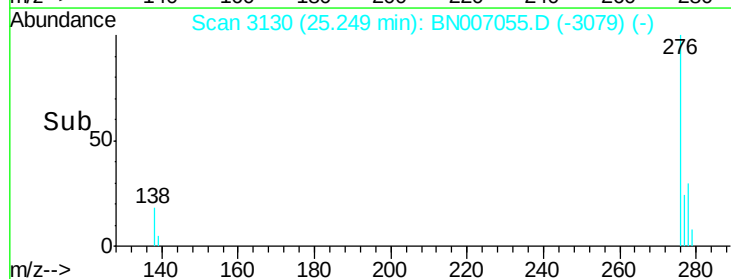
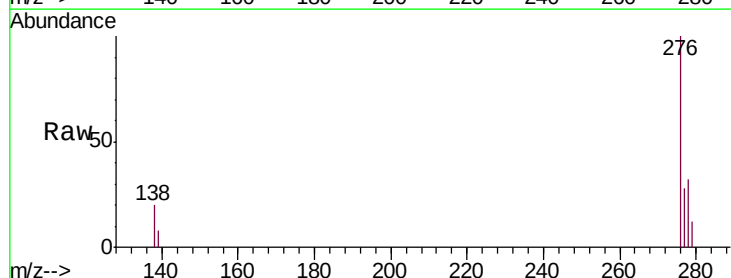
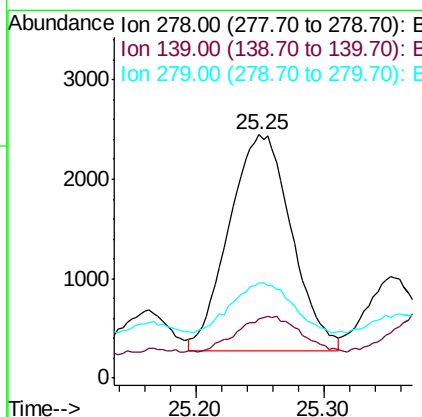
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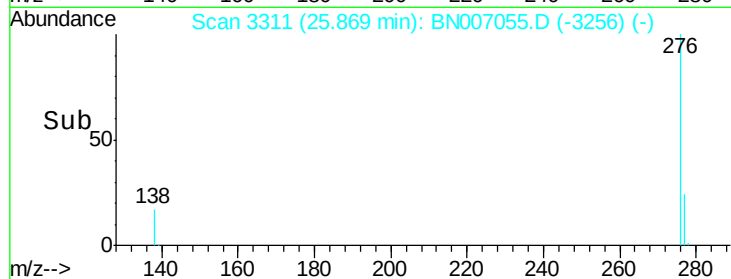
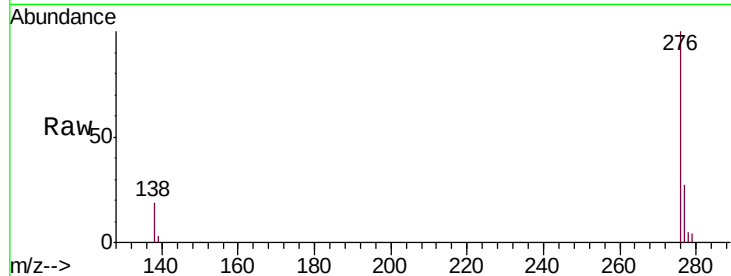
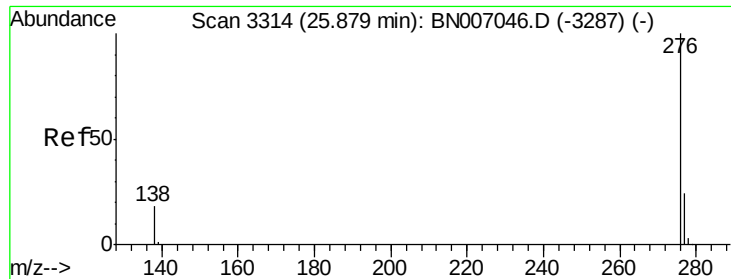
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#36
Dibenzo(a,h)anthracene
Concen: 0.044 ng
RT: 25.25 min Scan# 3130
Delta R.T. -0.02 min
Lab File: BN007055.D
Acq: 10 Aug 2019 19:22

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.5	11.3	16.9#
279	39.0	19.3	28.9#





#37

Benzo(g,h,i)perylene

Concen: 0.145 ng

RT: 25.87 min Scan# 3311

Delta R.T. -0.01 min

Lab File: BN007055.D

Acq: 10 Aug 2019 19:22

Instrument :

BNA_N

ClientSampleId :

EXT-007-SW125-073119

Tgt Ion:	276	Resp:	25210
Ion Ratio	Lower	Upper	
276	100		
277	27.0	19.8	29.8
138	19.3	14.6	22.0

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