

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081019\
 Data File : BN007056.D
 Acq On : 10 Aug 2019 19:59
 Operator : HP/JU
 Sample : K4144-05
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-006-SW128-073119

Manual Integrations
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mohammad
 8/14/2019 2:56:08 AM

Quant Time: Aug 12 04:51:59 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	7.43	152	7589	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	28363	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	16234	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	39968	0.40	ng	0.00
26) Chrysene-d12	21.05	240	42767	0.40	ng	-0.01
32) Perylene-d12	23.16	264	47888	0.40	ng	-0.01

System Monitoring Compounds

3) 2-Fluorophenol	5.06	112	3356	0.18	ng	0.00
4) Phenol-d6	6.61	99	4570	0.20	ng	0.00
7) Nitrobenzene-d5	8.56	82	3575	0.16	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	8920	0.17	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	896	0.10	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	3888	0.16	ng	0.00
24) Fluoranthene-d10	18.87	212	23942	0.17	ng	0.00
28) Terphenyl-d14	19.49	244	18743	0.16	ng	0.00

Target Compounds

						Qvalue
8) Naphthalene	10.24	128	1947	0.024	ng	# 86
15) Acenaphthylene	13.79	152	8668	0.102	ng	99
22) Phenanthrene	16.87	178	45787	0.382	ng	100
23) Anthracene	16.96	178	6631	0.061	ng	97
25) Fluoranthene	18.90	202	97732	0.638	ng	100
27) Pyrene	19.26	202	87915	0.586	ng	98
29) Benzo(a)anthracene	21.02	228	29947	0.191	ng	93
30) Chrysene	21.08	228	54310	0.357	ng	97
31) Indeno(1,2,3-cd)pyrene	25.24	276	36943	0.221	ng	96
33) Benzo(b)fluoranthene	22.54	252	77585	0.472	ng	97
34) Benzo(k)fluoranthene	22.58	252	24617m	0.152	ng	
35) Benzo(a)pyrene	23.07	252	38287	0.257	ng	97
36) Dibenzo(a,h)anthracene	25.25	278	7879	0.053	ng	# 72
37) Benzo(g,h,i)perylene	25.87	276	38917	0.255	ng	97

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

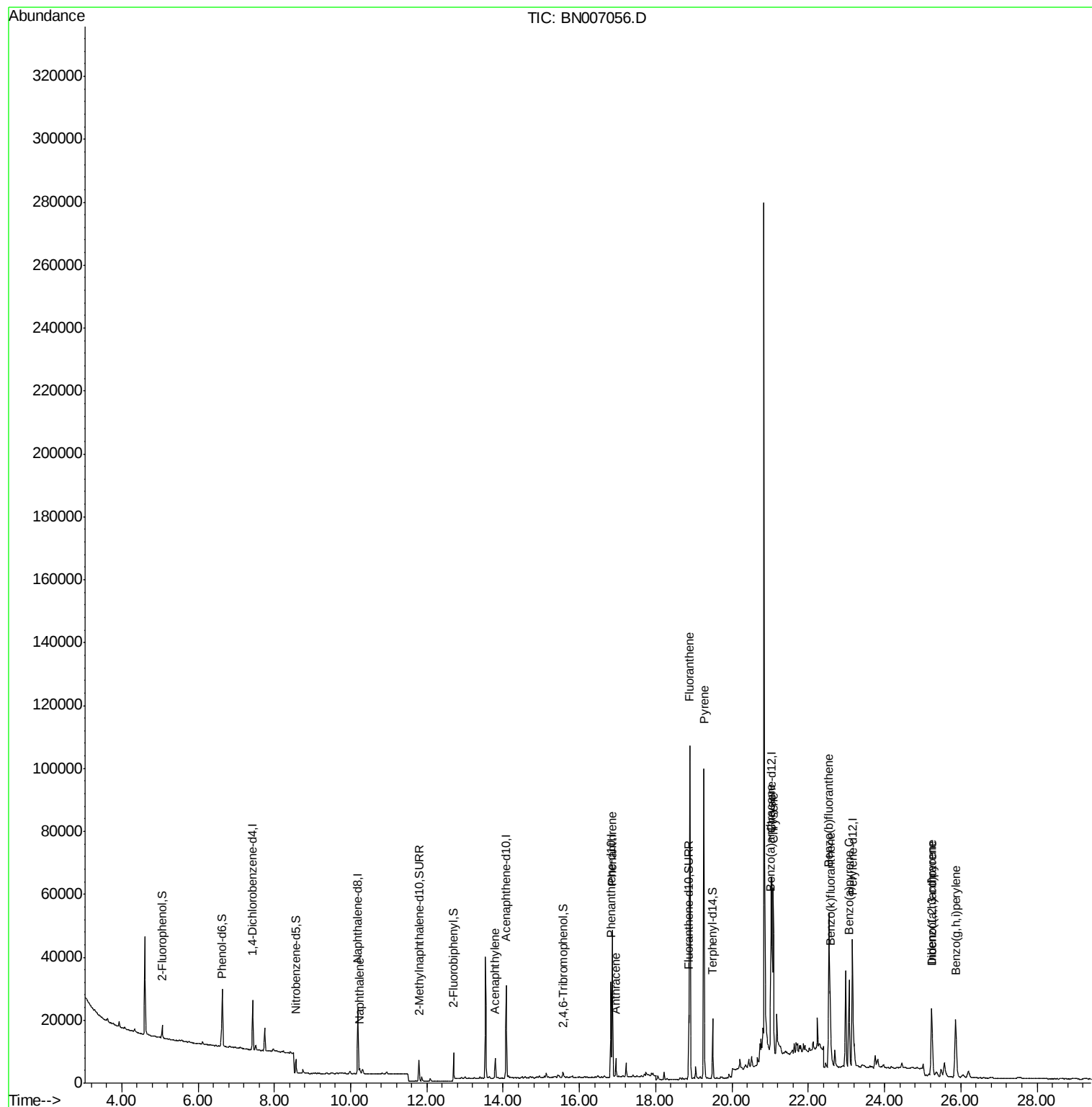
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081019\
Data File : BN007056.D
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#1

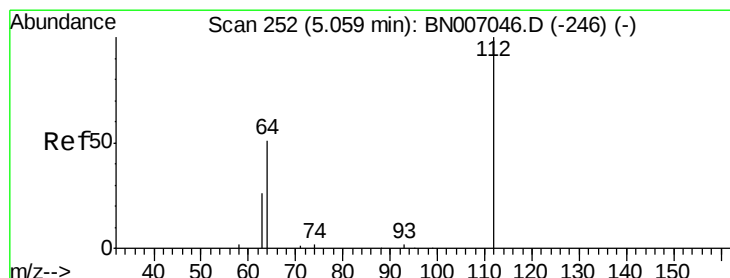
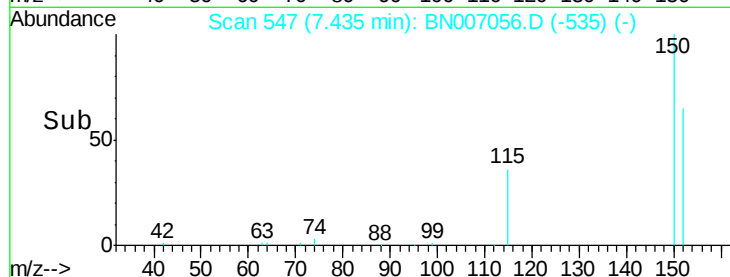
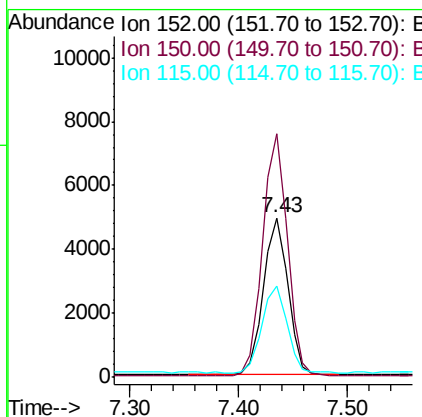
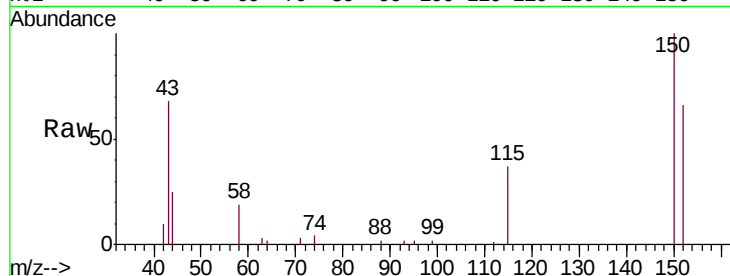
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007056.D
Acq: 10 Aug 2019 19:59

Instrument :
BNA_N
ClientSampleId :
EXT-006-SW128-073119

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.6	121.7	182.5
115	57.1	46.2	69.4

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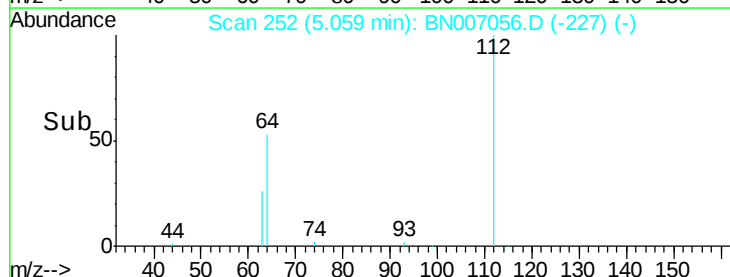
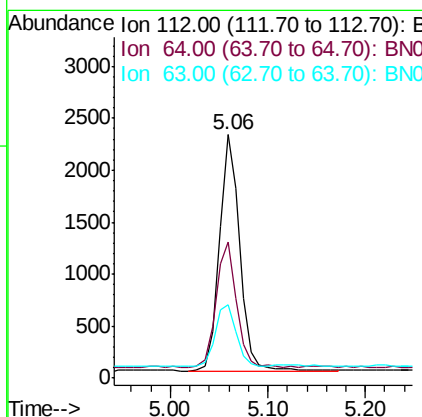
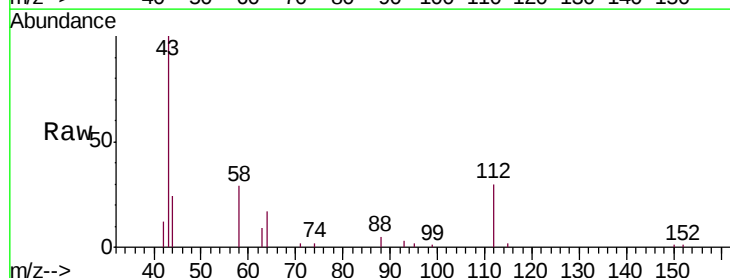
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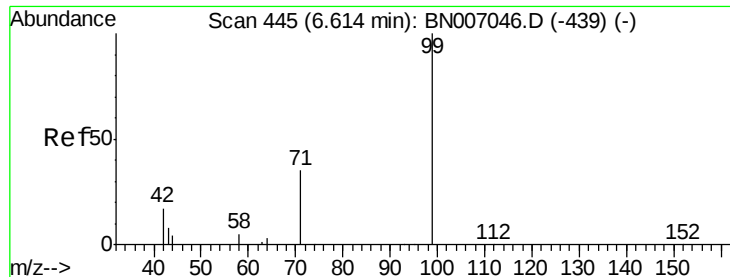


#3

2-Fluorophenol
Concen: 0.184 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007056.D
Acq: 10 Aug 2019 19:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.9	42.6	63.8
63	27.5	22.2	33.2





#4

Phenol-d6

Concen: 0.202 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007056.D

Acq: 10 Aug 2019 19:59

Instrument :

BNA_N

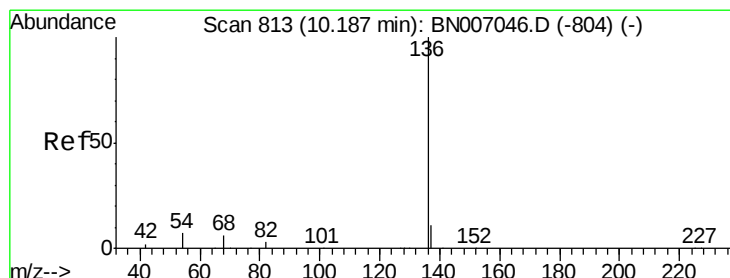
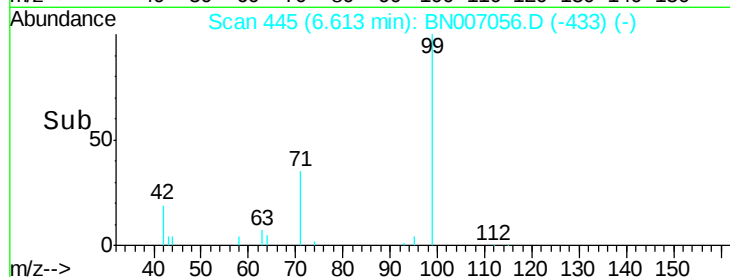
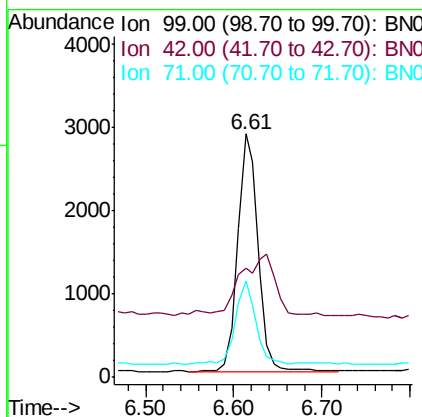
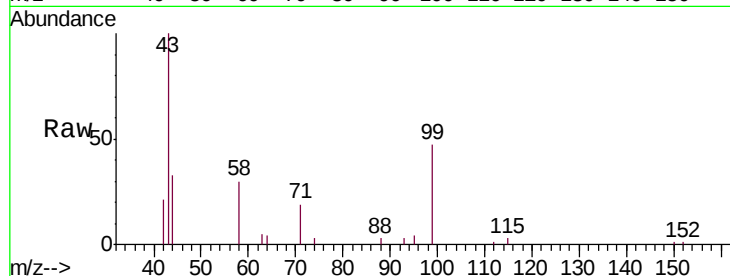
ClientSampleId :

EXT-006-SW128-073119

Tgt Ion:	99	Resp:	4570
Ion Ratio	Lower	Upper	
99	100		
42	0.0	15.8	23.6#
71	35.8	27.0	40.4

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#6

Naphthalene-d8

Concen: 0.400 ng

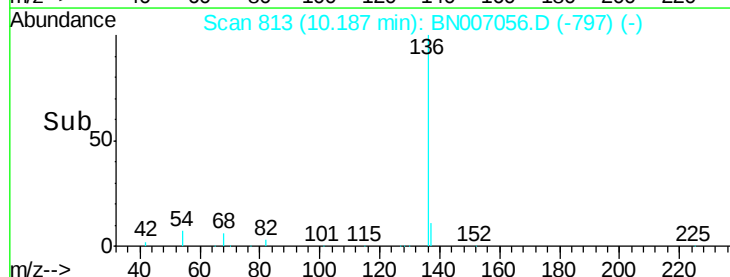
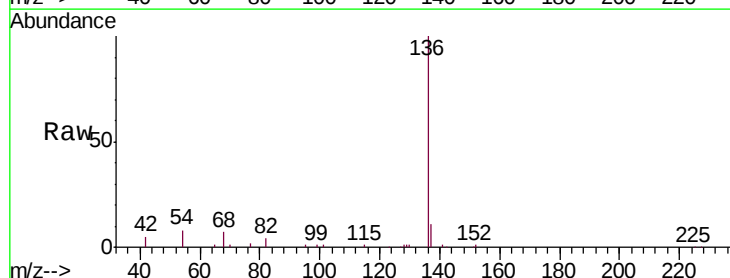
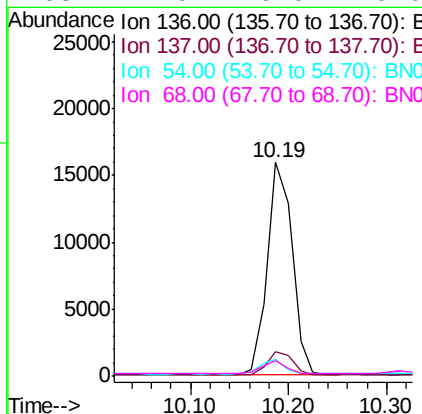
RT: 10.19 min Scan# 813

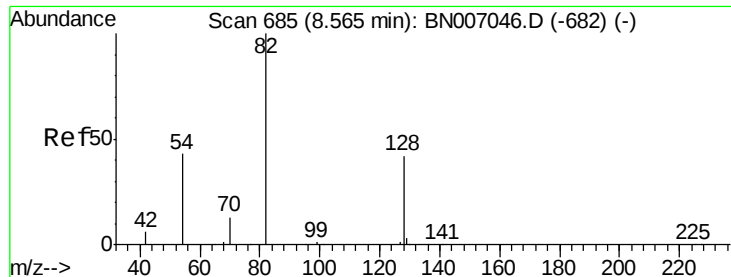
Delta R.T. -0.00 min

Lab File: BN007056.D

Acq: 10 Aug 2019 19:59

Tgt Ion:	136	Resp:	28363
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.4	14.0
54	8.0	6.6	9.8
68	7.0	6.0	9.0





#7

Nitrobenzene-d5

Concen: 0.156 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007056.D

Acq: 10 Aug 2019 19:59

Instrument :

BNA_N

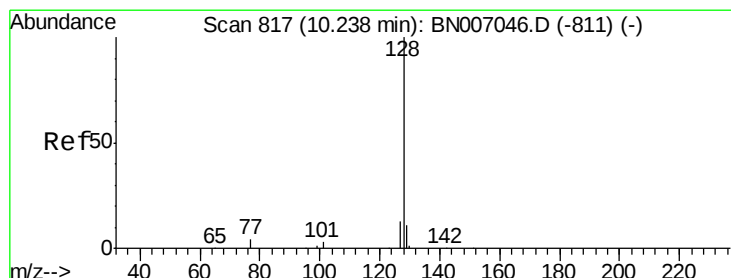
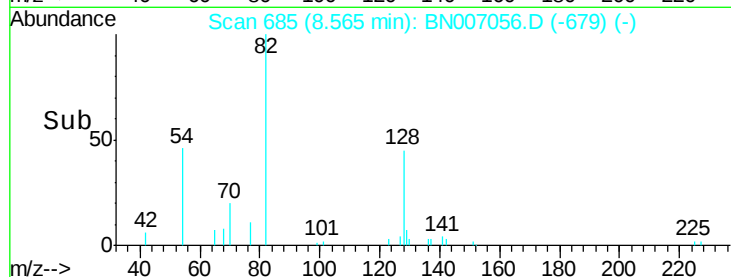
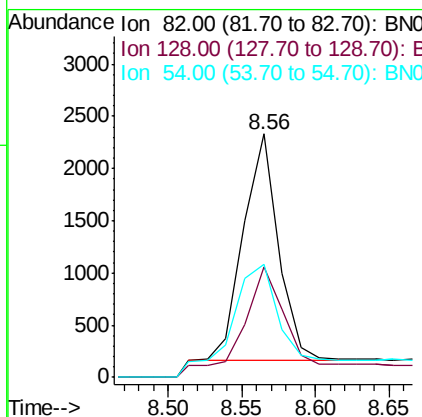
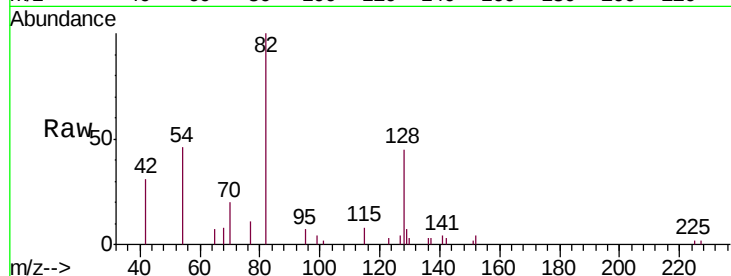
ClientSampleId :

EXT-006-SW128-073119

Tgt Ion:	82	Resp:	3575
Ion Ratio	Lower	Upper	
82	100		
128	45.3	34.6	51.8
54	46.4	36.2	54.4

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#8

Naphthalene

Concen: 0.024 ng

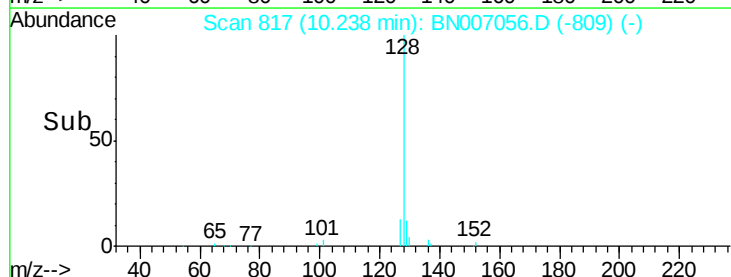
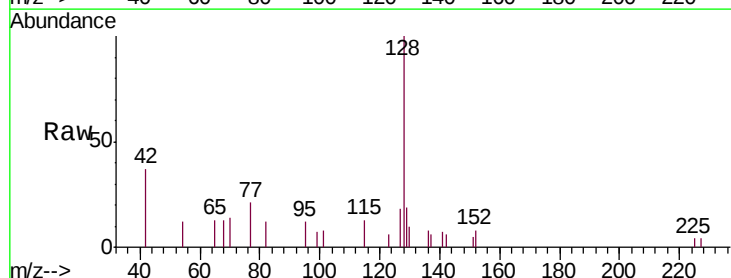
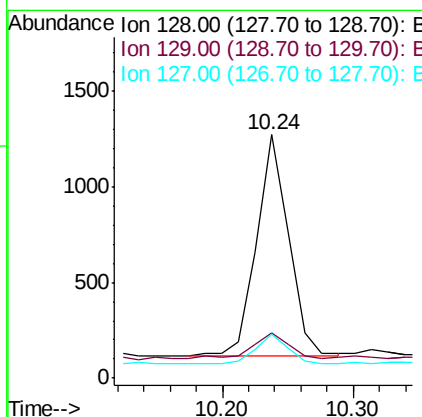
RT: 10.24 min Scan# 817

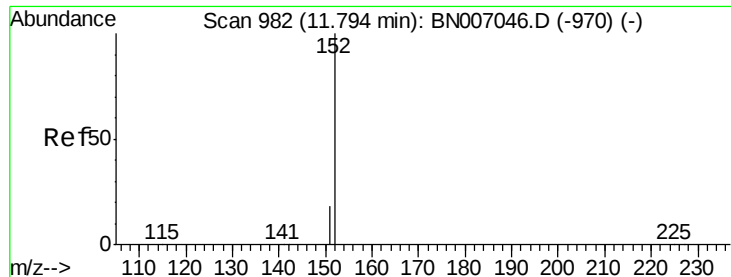
Delta R.T. -0.00 min

Lab File: BN007056.D

Acq: 10 Aug 2019 19:59

Tgt Ion:	128	Resp:	1947
Ion Ratio	Lower	Upper	
128	100		
129	18.6	9.4	14.2#
127	17.9	11.0	16.6#





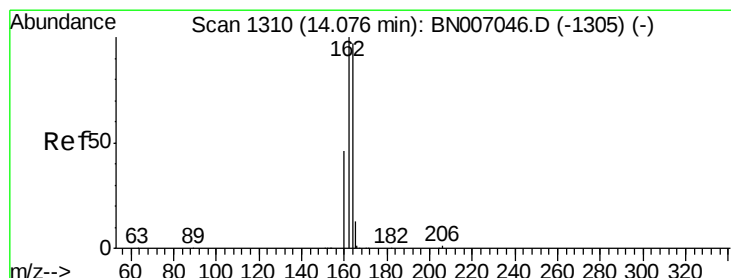
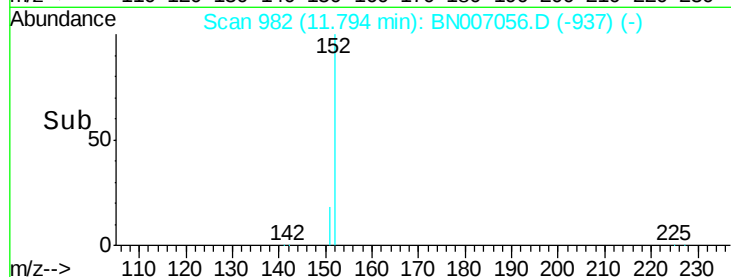
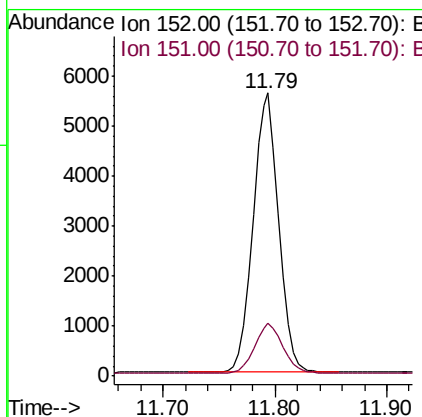
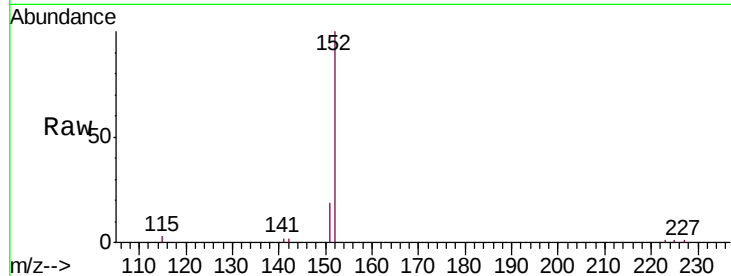
#10
 2-Methylnaphthalene-d10
 Concen: 0.169 ng
 RT: 11.79 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: BN007056.D
 Acq: 10 Aug 2019 19:59

Instrument :
 BNA_N
 ClientSampleId :
 EXT-006-SW128-073119

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.5	23.3

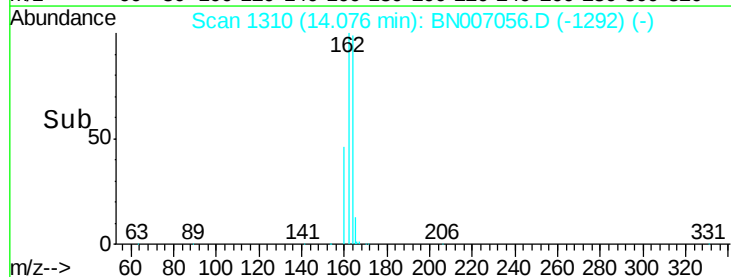
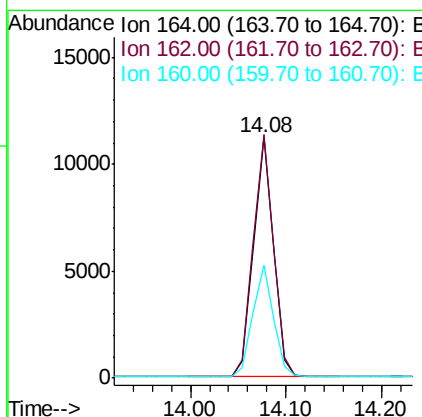
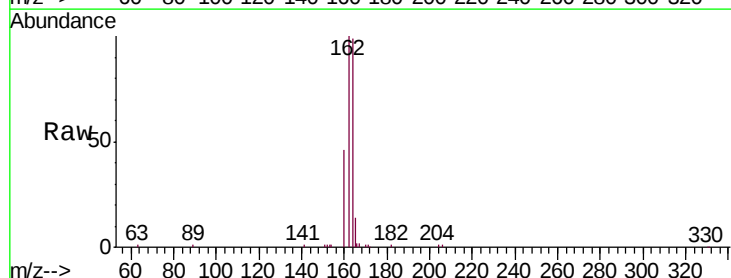
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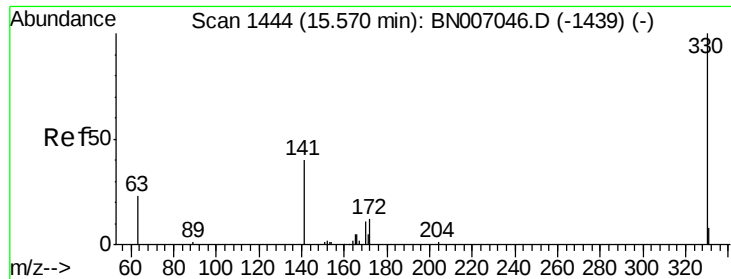
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#12
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.08 min Scan# 1310
 Delta R.T. -0.00 min
 Lab File: BN007056.D
 Acq: 10 Aug 2019 19:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.1	82.2	123.4
160	46.7	38.3	57.5





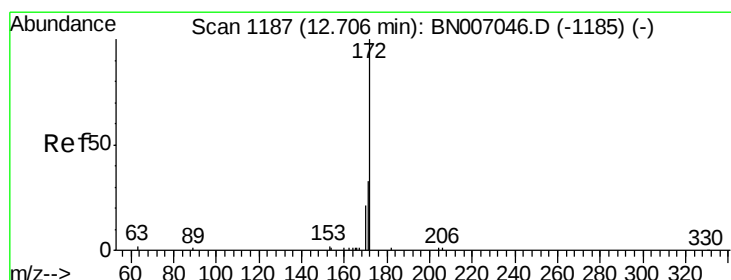
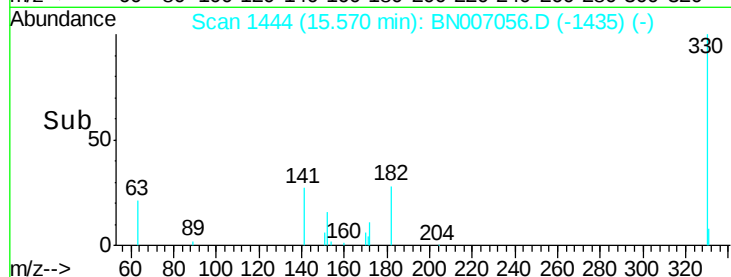
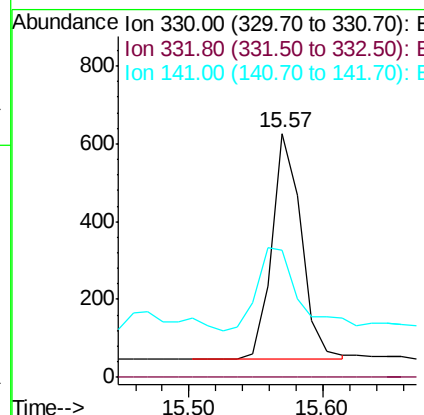
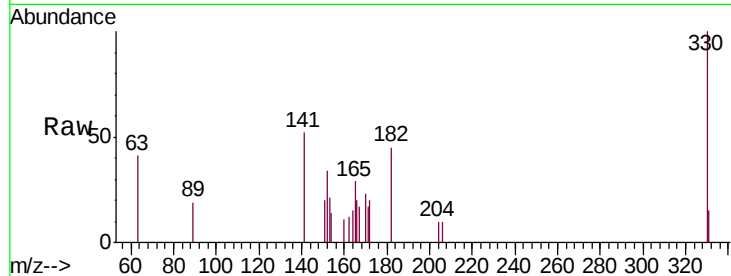
#13
 2,4,6-Tribromophenol
 Concen: 0.102 ng
 RT: 15.57 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: BN007056.D
 Acq: 10 Aug 2019 19:59

Instrument :
 BNA_N
 ClientSampleId :
 EXT-006-SW128-073119

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	53.2	33.6	50.4

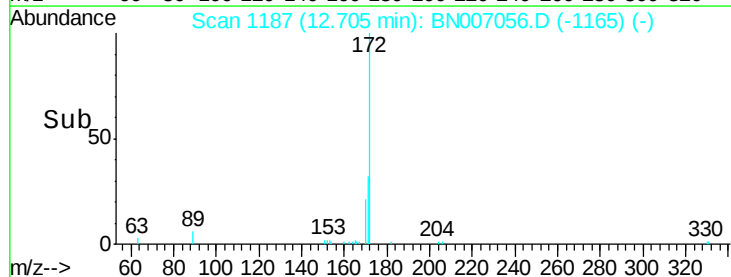
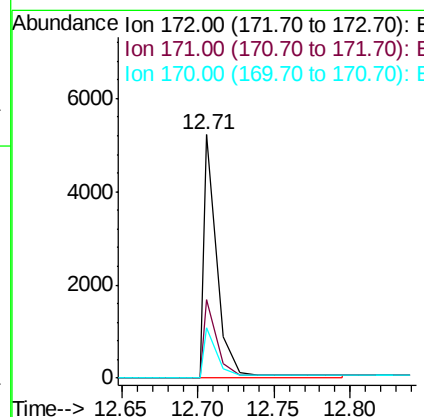
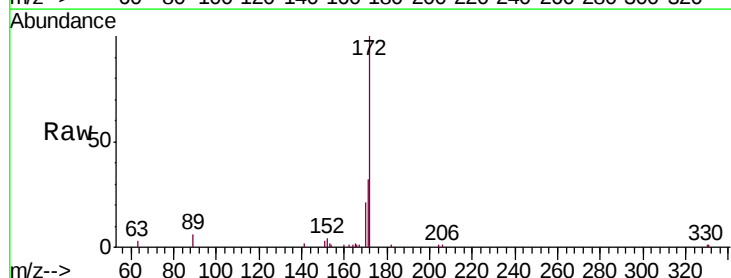
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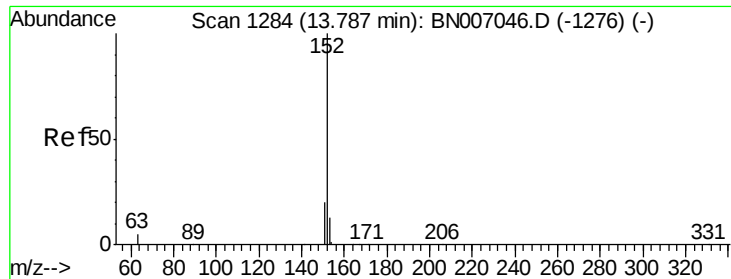
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#14
 2-Fluorobiphenyl
 Concen: 0.165 ng
 RT: 12.71 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BN007056.D
 Acq: 10 Aug 2019 19:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	32.3	26.3	39.5
170	20.9	17.0	25.4





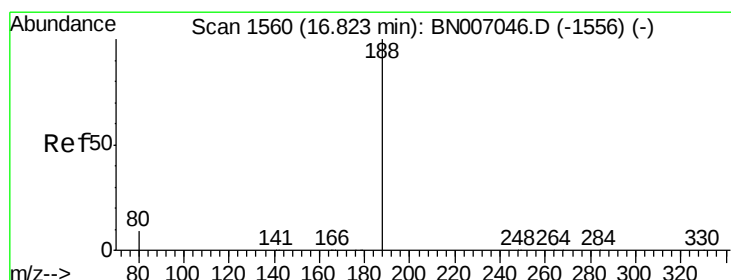
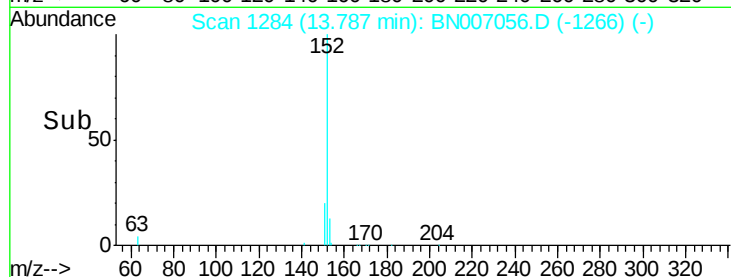
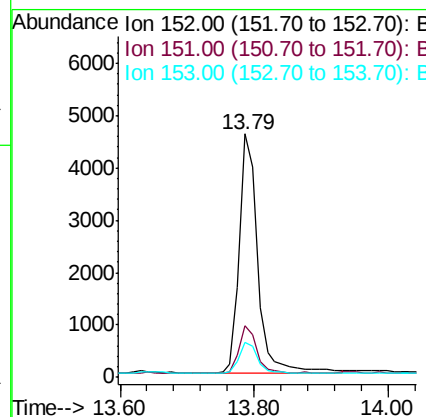
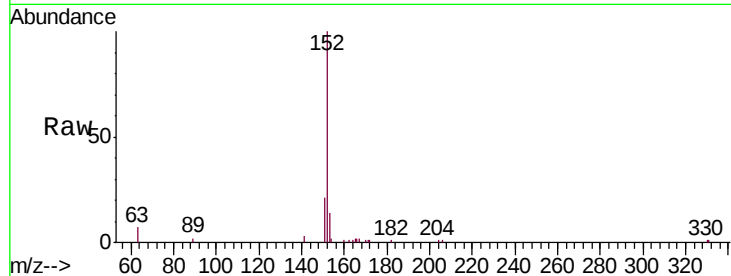
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Acenaphthylene
Concen: 0.102 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007056.D
Acq: 10 Aug 2019 19:59

Instrument :
BNA_N
ClientSampleId :
EXT-006-SW128-073119

Tgt Ion:	152	Resp:	8668
Ion Ratio	Lower	Upper	
152	100		
151	19.4	15.8	23.6
153	13.3	10.4	15.6

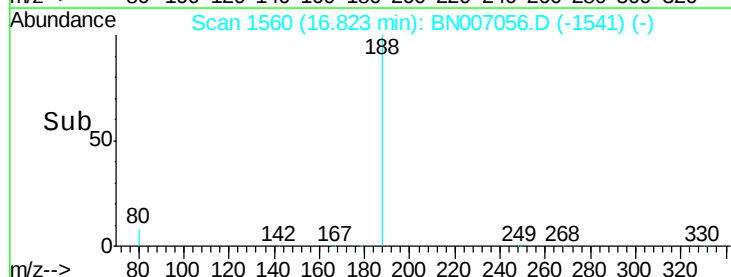
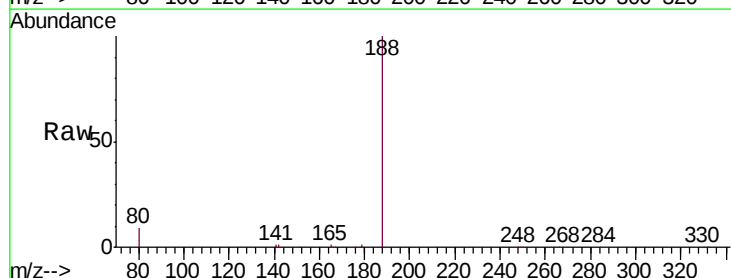
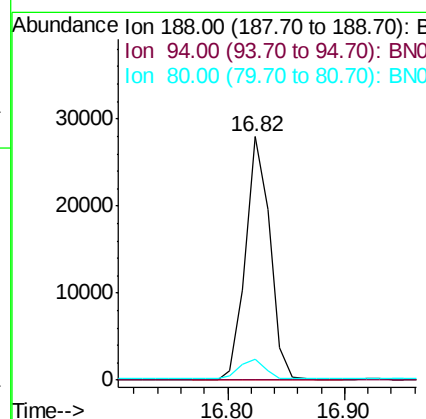
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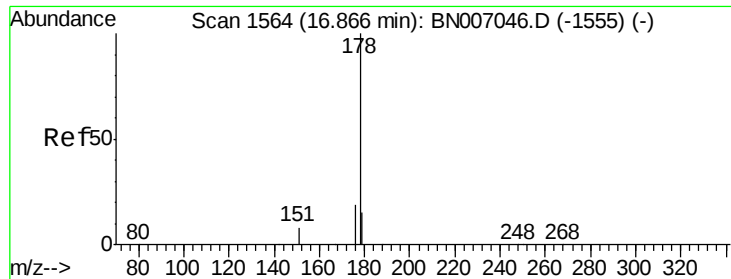
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#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007056.D
Acq: 10 Aug 2019 19:59

Tgt Ion:	188	Resp:	39968
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	8.8	7.8	11.6





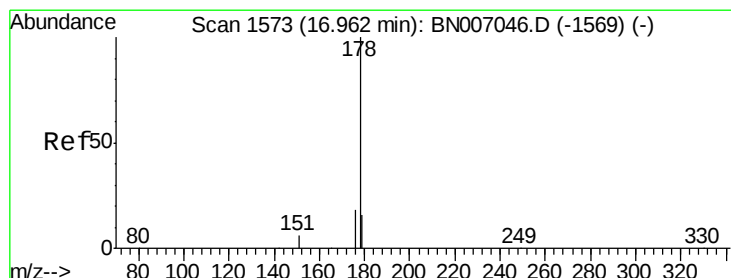
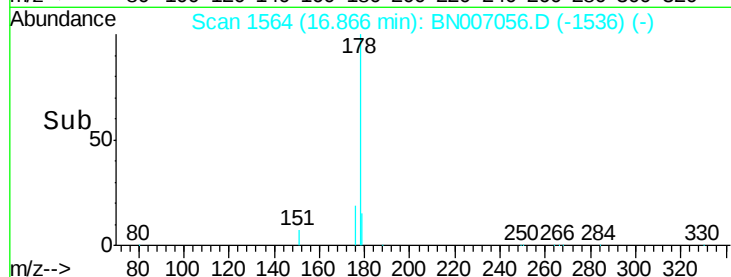
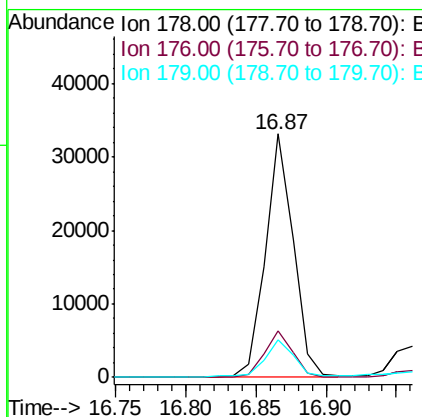
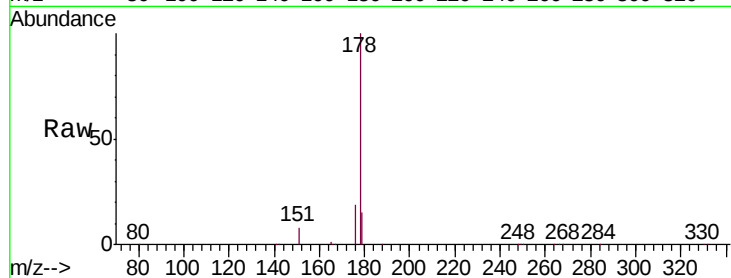
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Phenanthrene
Concen: 0.382 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007056.D
Acq: 10 Aug 2019 19:59

Instrument :
BNA_N
ClientSampleId :
EXT-006-SW128-073119

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

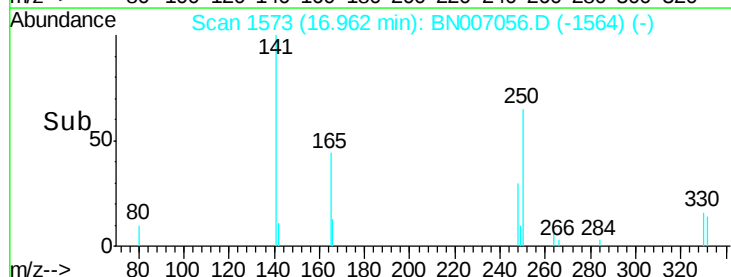
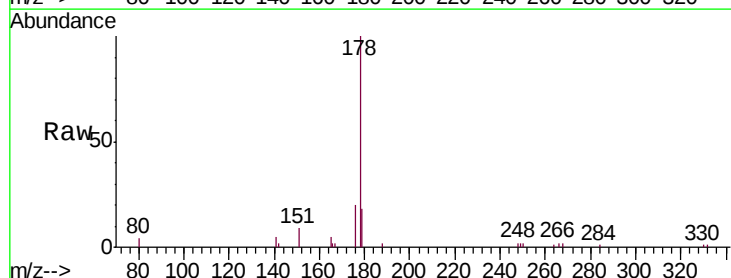
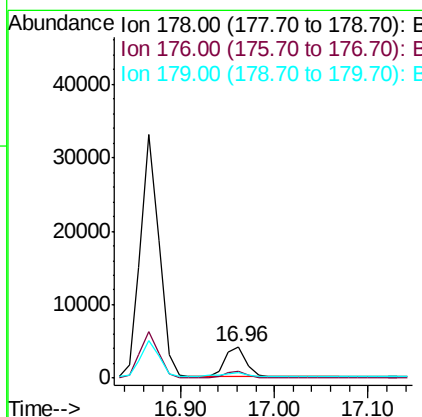
Manual Integrations
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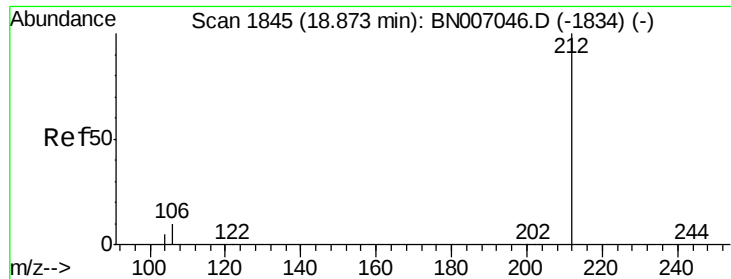
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#23
Anthracene
Concen: 0.061 ng
RT: 16.96 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BN007056.D
Acq: 10 Aug 2019 19:59

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.6	21.8
179	17.8	12.5	18.7





#24

Fluoranthene-d10

Concen: 0.169 ng

RT: 18.87 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BN007056.D

Acq: 10 Aug 2019 19:59

Instrument :

BNA_N

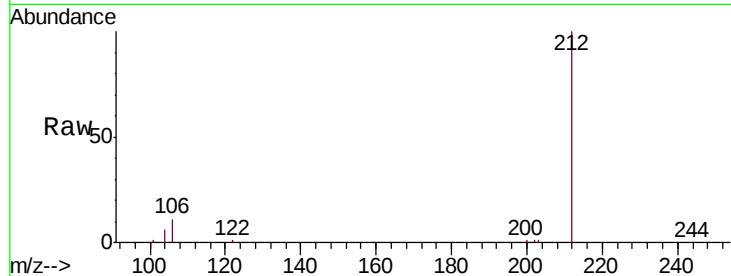
ClientSampleId :

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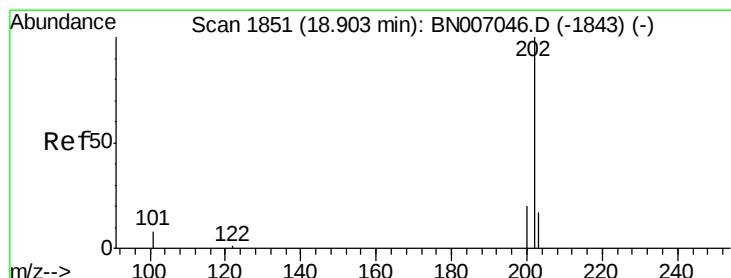
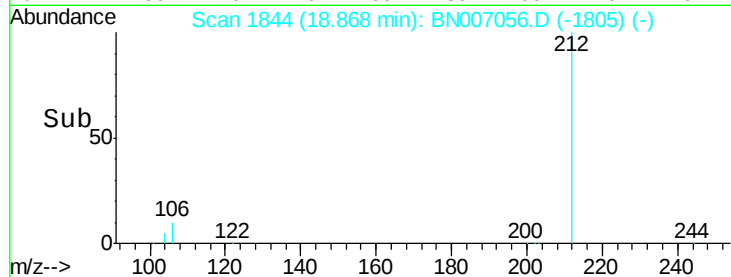
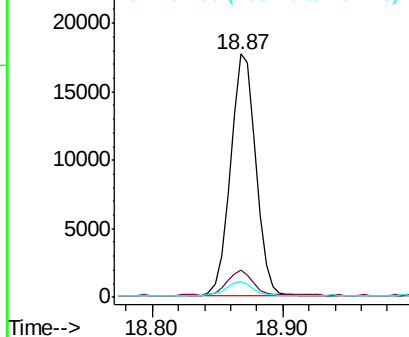
Tgt Ion:	212	Resp:	23942
Ion Ratio	Lower	Upper	
212	100		
106	10.2	8.2	12.2
104	5.9	4.5	6.7

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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



#25

Fluoranthene

Concen: 0.638 ng

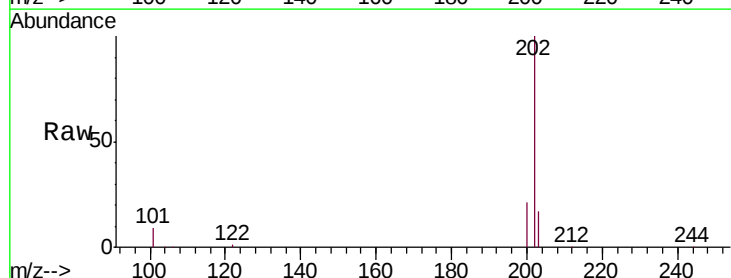
RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

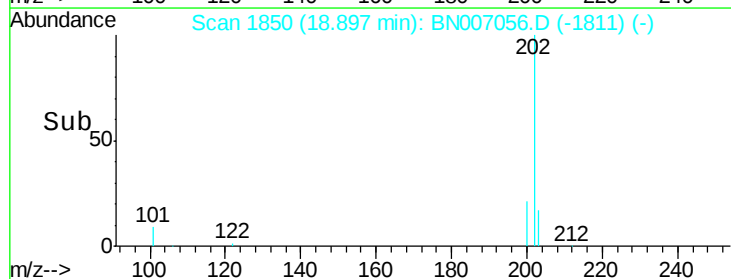
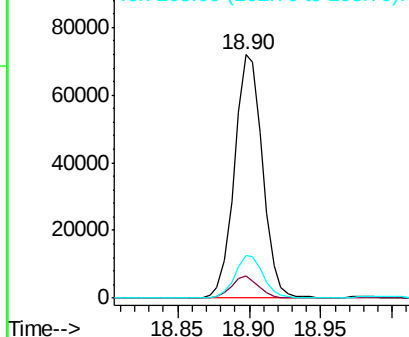
Lab File: BN007056.D

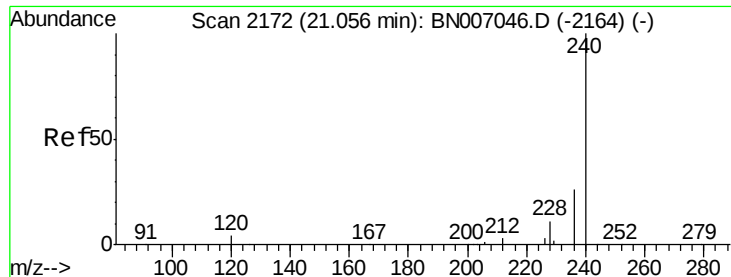
Acq: 10 Aug 2019 19:59

Tgt Ion:	202	Resp:	97732
Ion Ratio	Lower	Upper	
202	100		
101	8.5	7.0	10.4
203	17.2	13.8	20.8



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





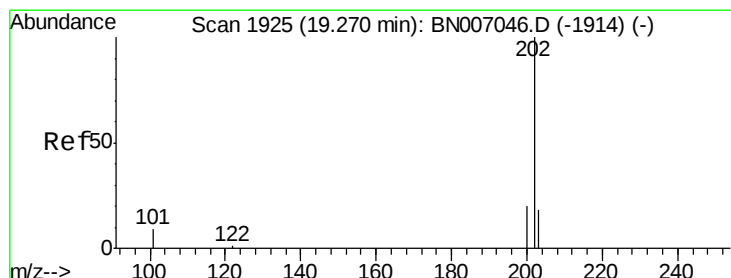
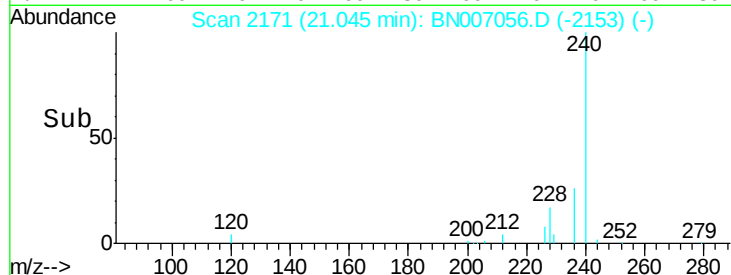
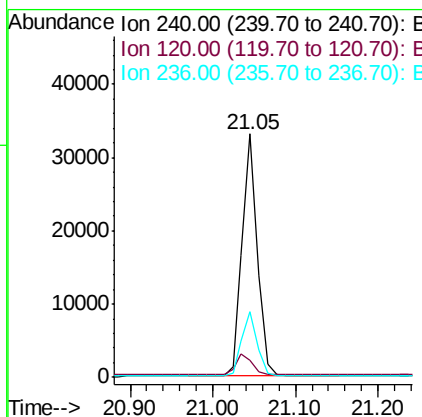
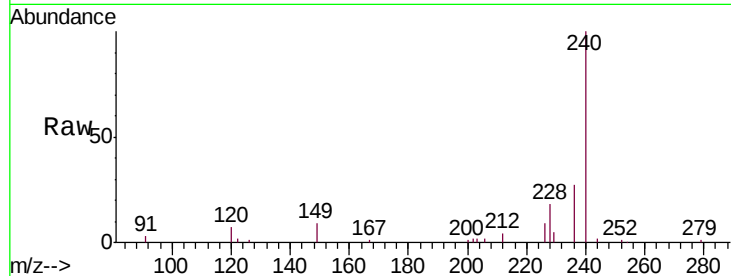
#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007056.D
Acq: 10 Aug 2019 19:59

Instrument :
BNA_N
ClientSampleId :
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Tgt Ion: 240 Resp: 42767
Ion Ratio Lower Upper
240 100
120 7.1 4.0 6.0#
236 27.0 21.3 31.9

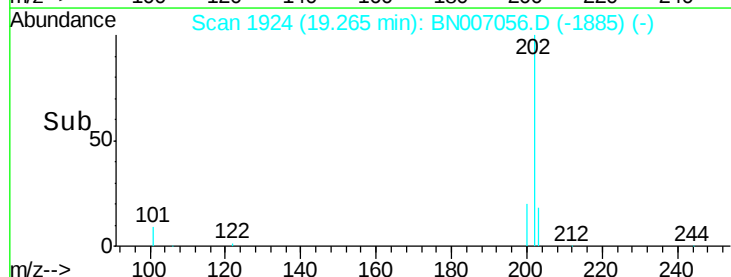
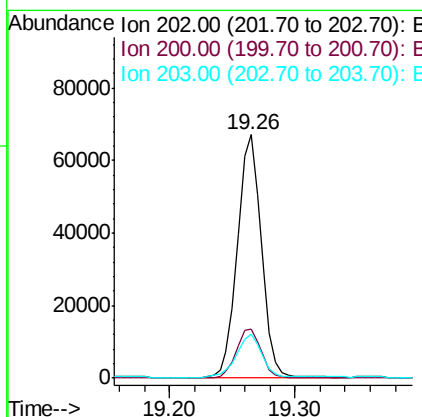
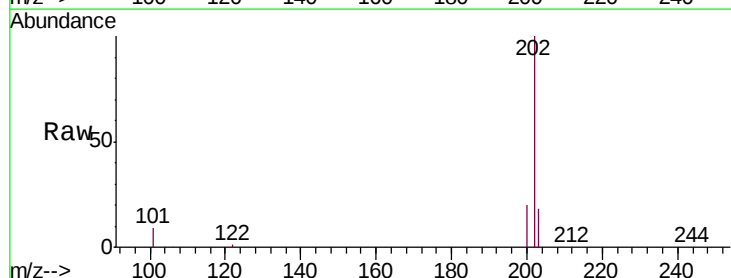
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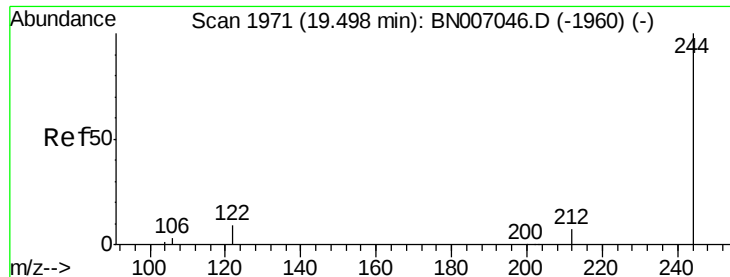
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#27
Pyrene
Concen: 0.586 ng
RT: 19.26 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BN007056.D
Acq: 10 Aug 2019 19:59

Tgt Ion: 202 Resp: 87915
Ion Ratio Lower Upper
202 100
200 20.9 16.6 24.8
203 19.0 14.0 21.0





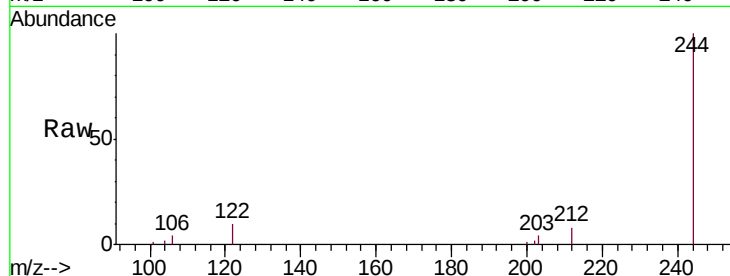
#28
 Terphenyl-d14
 Concen: 0.161 ng
 RT: 19.49 min Scan# 1970
 Delta R.T. -0.01 min
 Lab File: BN007056.D
 Acq: 10 Aug 2019 19:59

Instrument :
 BNA_N
 ClientSampleId :
 EXT-006-SW128-073119

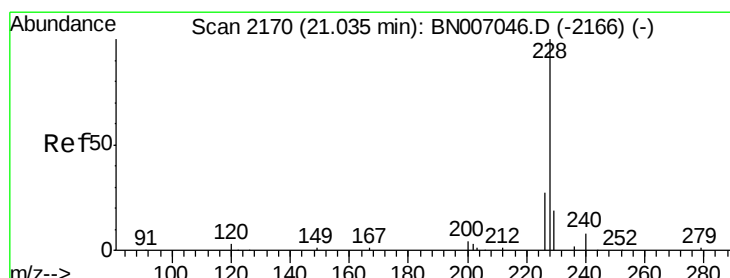
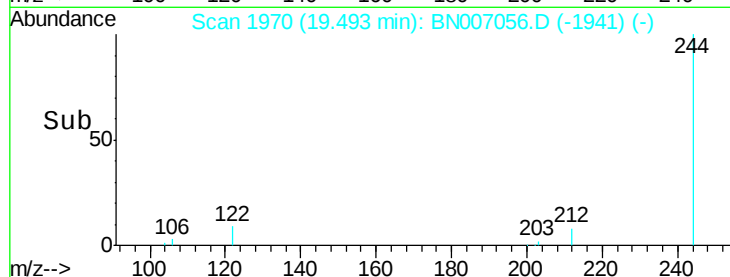
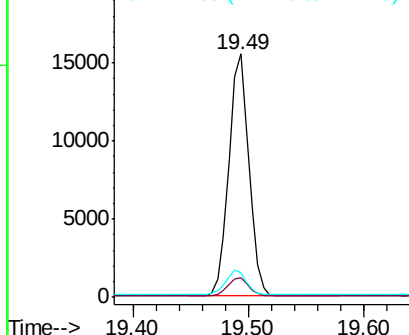
Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.2	9.2
122	10.1	7.4	11.2

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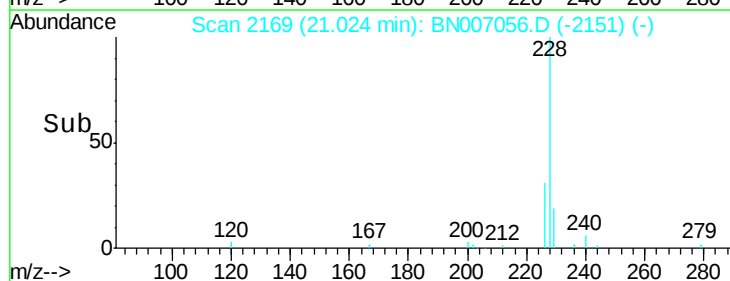
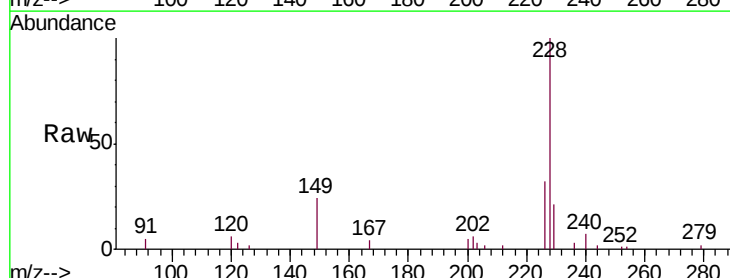
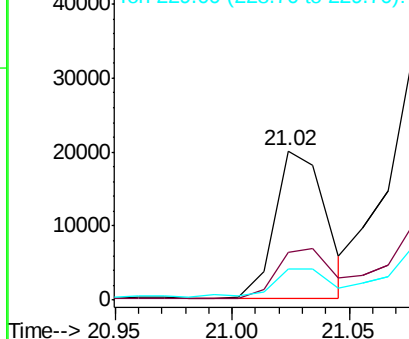
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

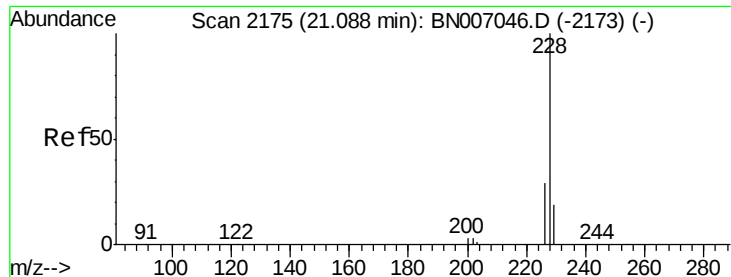


#29
 Benzo(a)anthracene
 Concen: 0.191 ng
 RT: 21.02 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: BN007056.D
 Acq: 10 Aug 2019 19:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.2	21.8	32.6
229	21.2	15.6	23.4

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





#30

Chrysene

Concen: 0.357 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007056.D

Acq: 10 Aug 2019 19:59

Instrument :

BNA_N

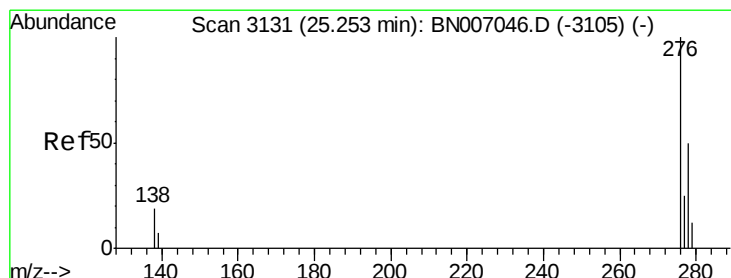
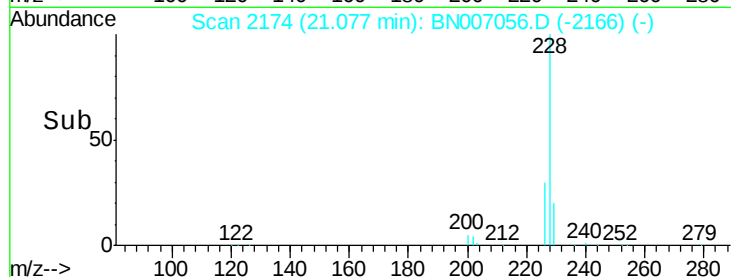
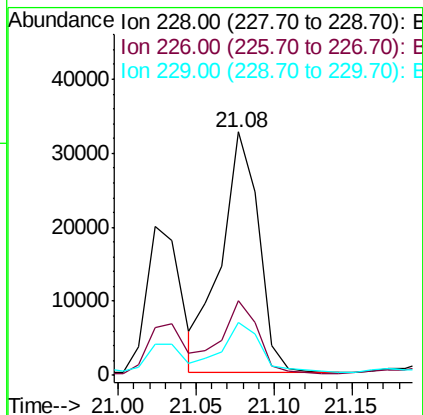
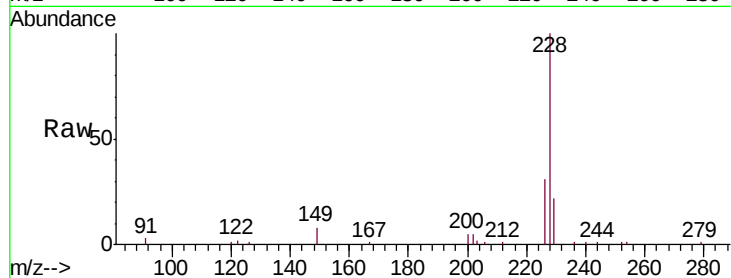
ClientSampleId :

EXT-006-SW128-073119

Tgt Ion:	228	Resp:	54310
Ion Ratio	Lower	Upper	
228	100		
226	30.8	23.8	35.6
229	21.6	15.7	23.5

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#31

Indeno(1,2,3-cd)pyrene

Concen: 0.221 ng

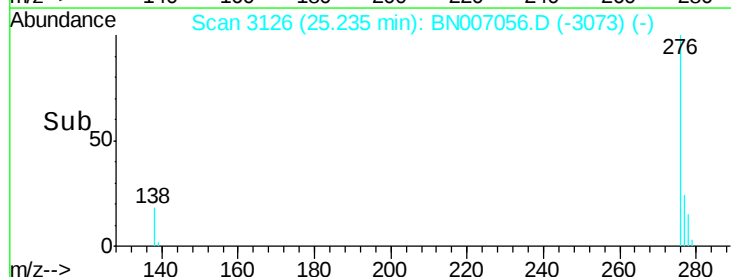
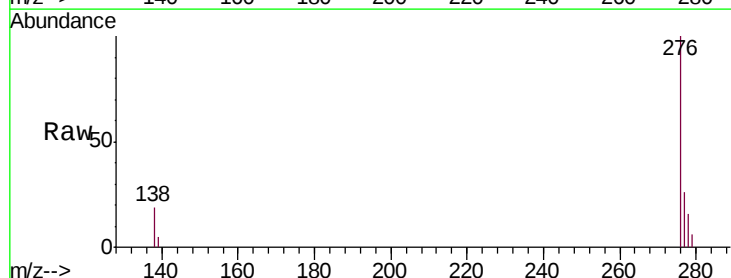
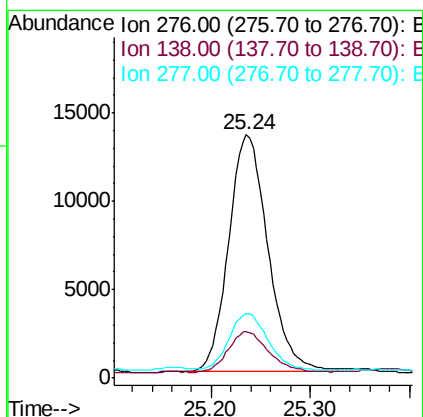
RT: 25.24 min Scan# 3126

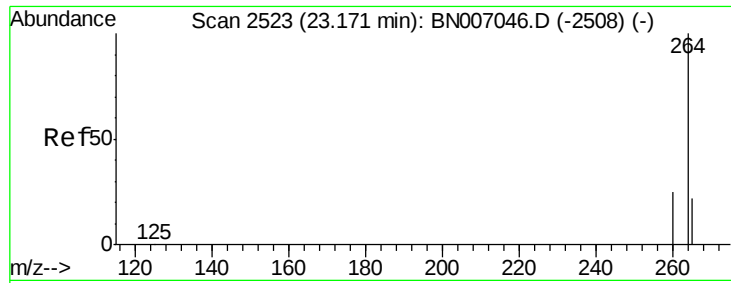
Delta R.T. -0.02 min

Lab File: BN007056.D

Acq: 10 Aug 2019 19:59

Tgt Ion:	276	Resp:	36943
Ion Ratio	Lower	Upper	
276	100		
138	17.7	16.0	24.0
277	23.6	19.9	29.9





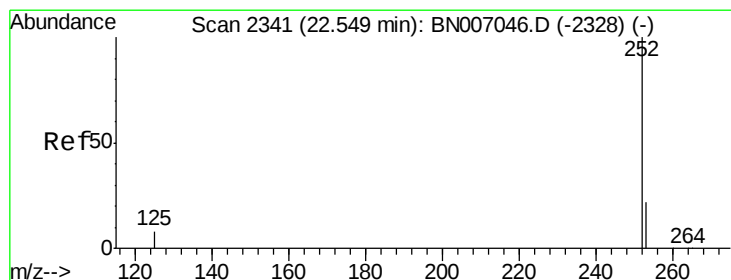
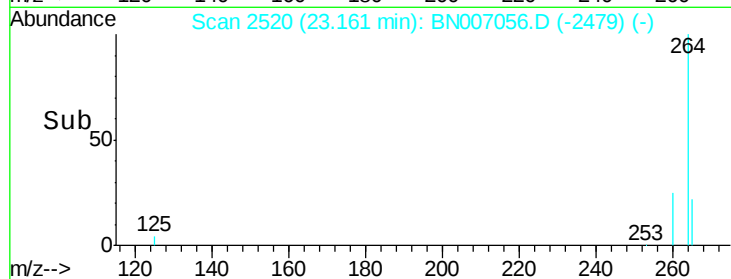
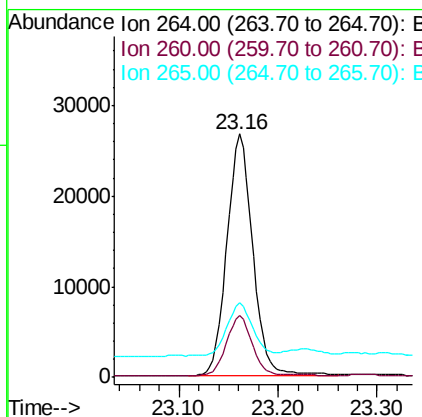
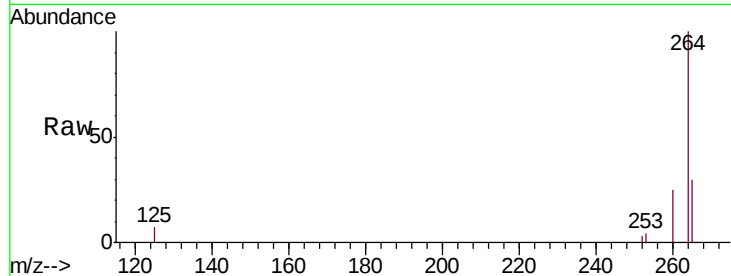
#32
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.16 min Scan# 2520
 Delta R.T. -0.01 min
 Lab File: BN007056.D
 Acq: 10 Aug 2019 19:59

Instrument :
 BNA_N
 ClientSampleId :
 EXT-006-SW128-073119

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	47888		
260	25.4	19.8	29.8	
265	30.5	26.2	39.4	

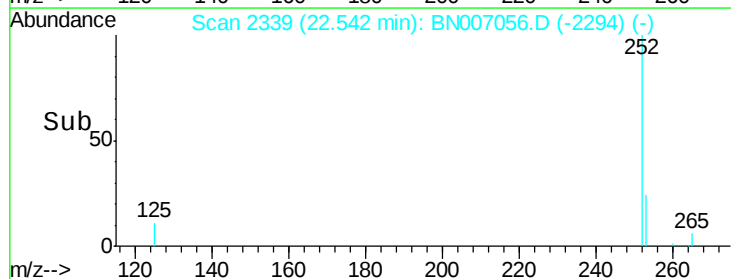
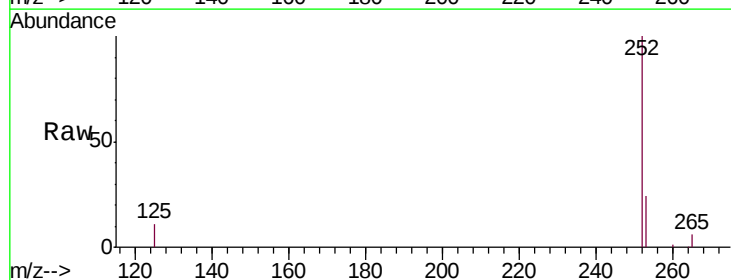
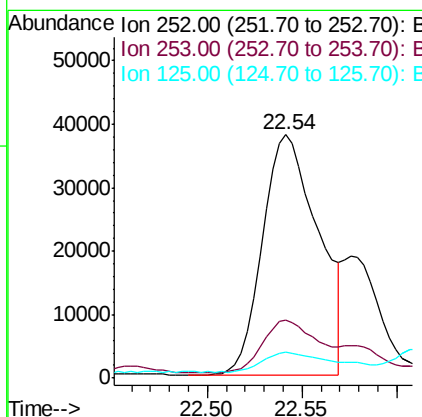
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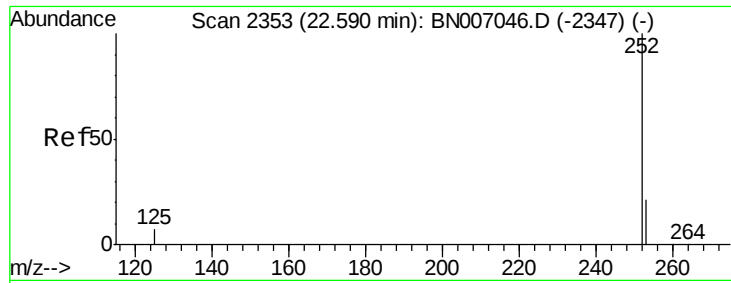
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#33
 Benzo(b)fluoranthene
 Concen: 0.472 ng
 RT: 22.54 min Scan# 2339
 Delta R.T. -0.01 min
 Lab File: BN007056.D
 Acq: 10 Aug 2019 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	77585		
253	23.9	18.2	27.2	
125	10.6	7.4	11.0	





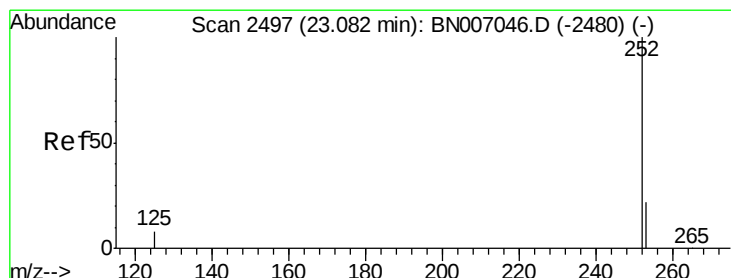
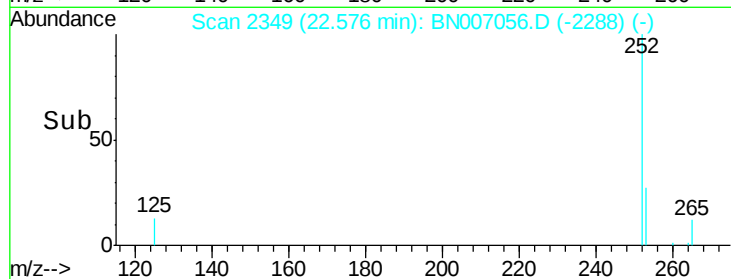
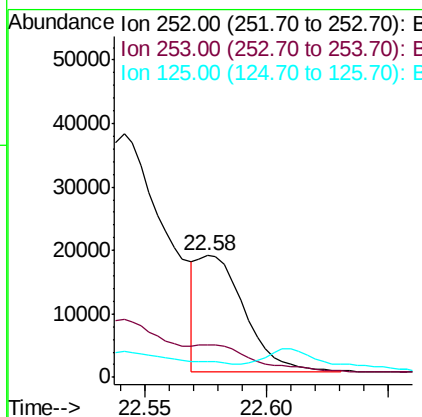
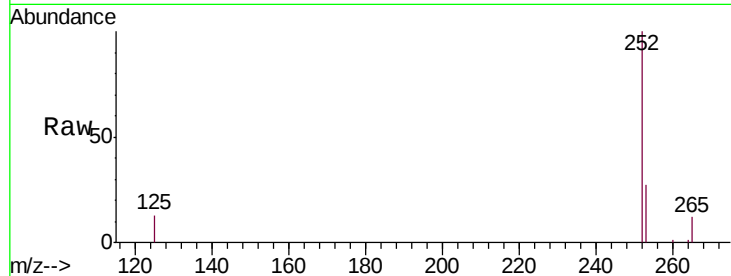
#34
Benzo(k)fluoranthene
Concen: 0.152 ng m
RT: 22.58 min Scan# 2349
Delta R.T. -0.01 min
Lab File: BN007056.D
Acq: 10 Aug 2019 19:59

Instrument :
BNA_N
ClientSampleId :
EXT-006-SW128-073119

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	18.1	27.1
125	12.8	7.4	11.0

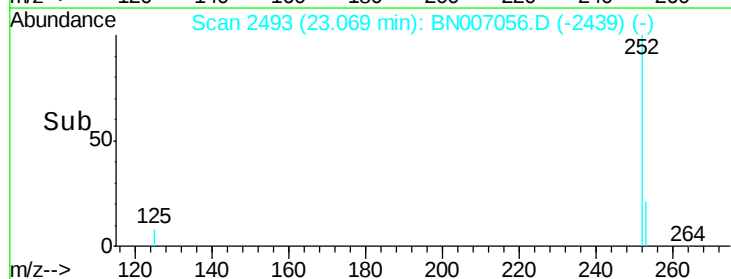
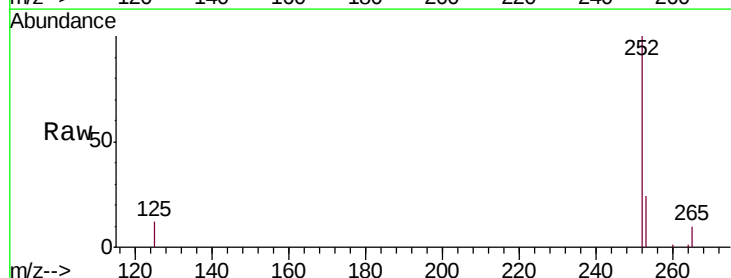
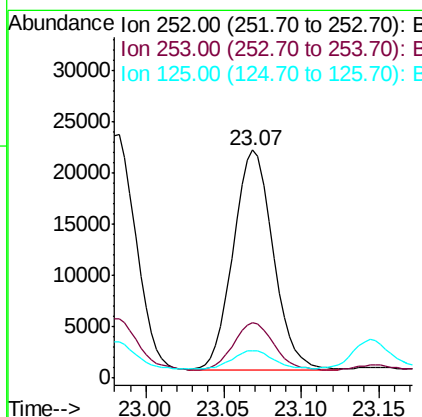
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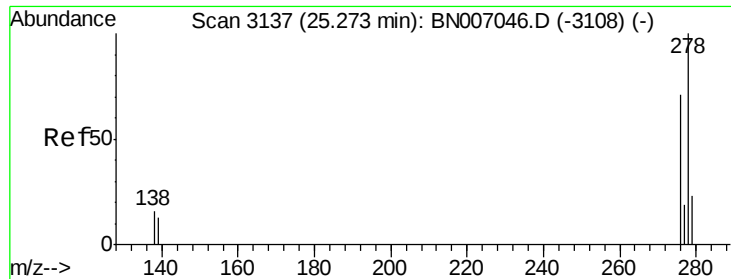
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#35
Benzo(a)pyrene
Concen: 0.257 ng
RT: 23.07 min Scan# 2493
Delta R.T. -0.01 min
Lab File: BN007056.D
Acq: 10 Aug 2019 19:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.5	27.7
125	12.0	8.2	12.4





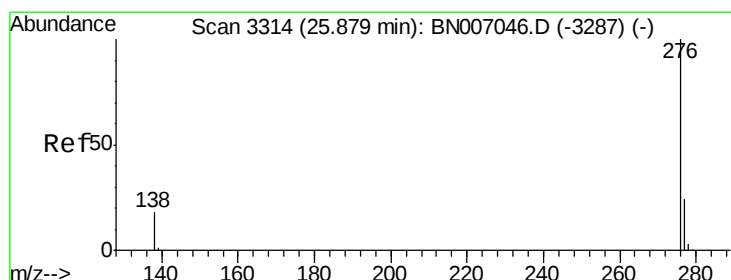
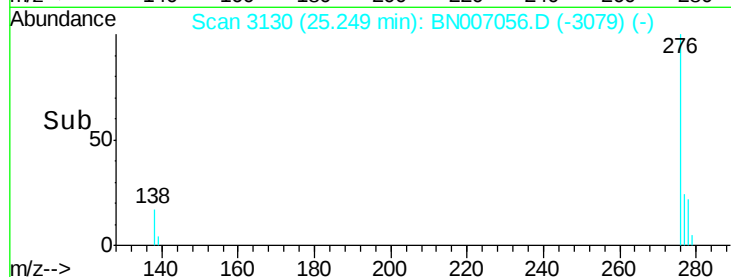
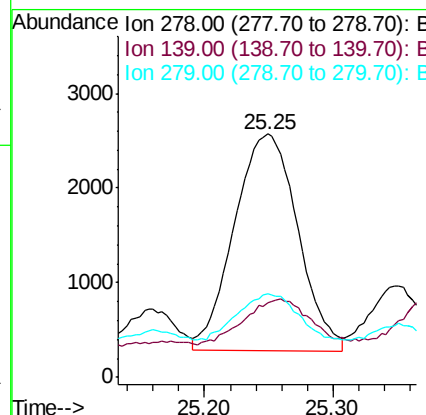
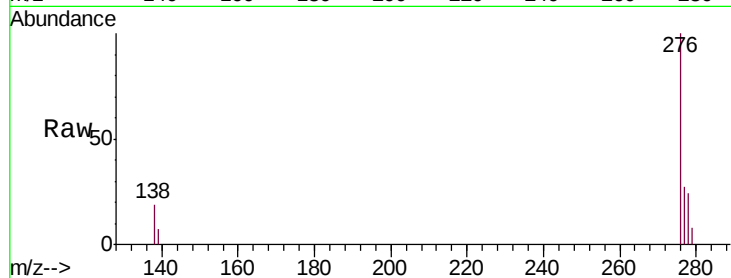
#36
 Dibenzo(a,h)anthracene
 Concen: 0.053 ng
 RT: 25.25 min Scan# 3130
 Delta R.T. -0.02 min
 Lab File: BN007056.D
 Acq: 10 Aug 2019 19:59

Instrument :
 BNA_N
 ClientSampleId :
 EXT-006-SW128-073119

Tgt Ion	Ratio	Lower	Upper
278	100		
139	30.4	11.3	16.9#
279	34.3	19.3	28.9#

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#37
 Benzo(g,h,i)perylene
 Concen: 0.255 ng
 RT: 25.87 min Scan# 3310
 Delta R.T. -0.01 min
 Lab File: BN007056.D
 Acq: 10 Aug 2019 19:59

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.0	19.8	29.8
138	20.0	14.6	22.0

