

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
 Data File : BN007112.D
 Acq On : 13 Aug 2019 03:18
 Operator : HP/JU
 Sample : K4143-20
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-008-SW119-073119

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:52:17 AM

Quant Time: Aug 13 13:03:28 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	9411	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	37066	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	21466	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	51525	0.40	ng	0.00
26) Chrysene-d12	21.03	240	51004	0.40	ng	-0.02
32) Perylene-d12	23.15	264	55030	0.40	ng	-0.02

System Monitoring Compounds

3) 2-Fluorophenol	5.06	112	4287	0.19	ng	0.00
4) Phenol-d6	6.61	99	6580	0.23	ng	0.00
7) Nitrobenzene-d5	8.56	82	5826	0.19	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	13213	0.19	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	1606	0.14	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	3225	0.10	ng	0.00
24) Fluoranthene-d10	18.87	212	32337	0.18	ng	0.00
28) Terphenyl-d14	19.49	244	24429	0.18	ng	-0.01

Target Compounds

						Qvalue
8) Naphthalene	10.24	128	3787	0.036	ng	# 90
11) 2-Methylnaphthalene	11.86	142	2407	0.033	ng	# 87
15) Acenaphthylene	13.79	152	26716	0.238	ng	100
16) Acenaphthene	14.13	154	1568	0.022	ng	93
17) Fluorene	15.14	166	3665	0.034	ng	# 80
22) Phenanthrene	16.87	178	77160	0.500	ng	100
23) Anthracene	16.95	178	23692	0.168	ng	98
25) Fluoranthene	18.90	202	240648	1.218	ng	100
27) Pyrene	19.26	202	230893	1.291	ng	97
29) Benzo(a)anthracene	21.02	228	131396m	0.704	ng	
30) Chrysene	21.08	228	158376	0.874	ng	98
31) Indeno(1,2,3-cd)pyrene	25.23	276	122384	0.613	ng	99
33) Benzo(b)fluoranthene	22.53	252	234949	1.245	ng	98
34) Benzo(k)fluoranthene	22.57	252	75278m	0.404	ng	
35) Benzo(a)pyrene	23.06	252	146184	0.855	ng	99
36) Dibenzo(a,h)anthracene	25.24	278	30293	0.177	ng	# 76
37) Benzo(a,h,i)perylene	25.85	276	131344	0.748	ng	98

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

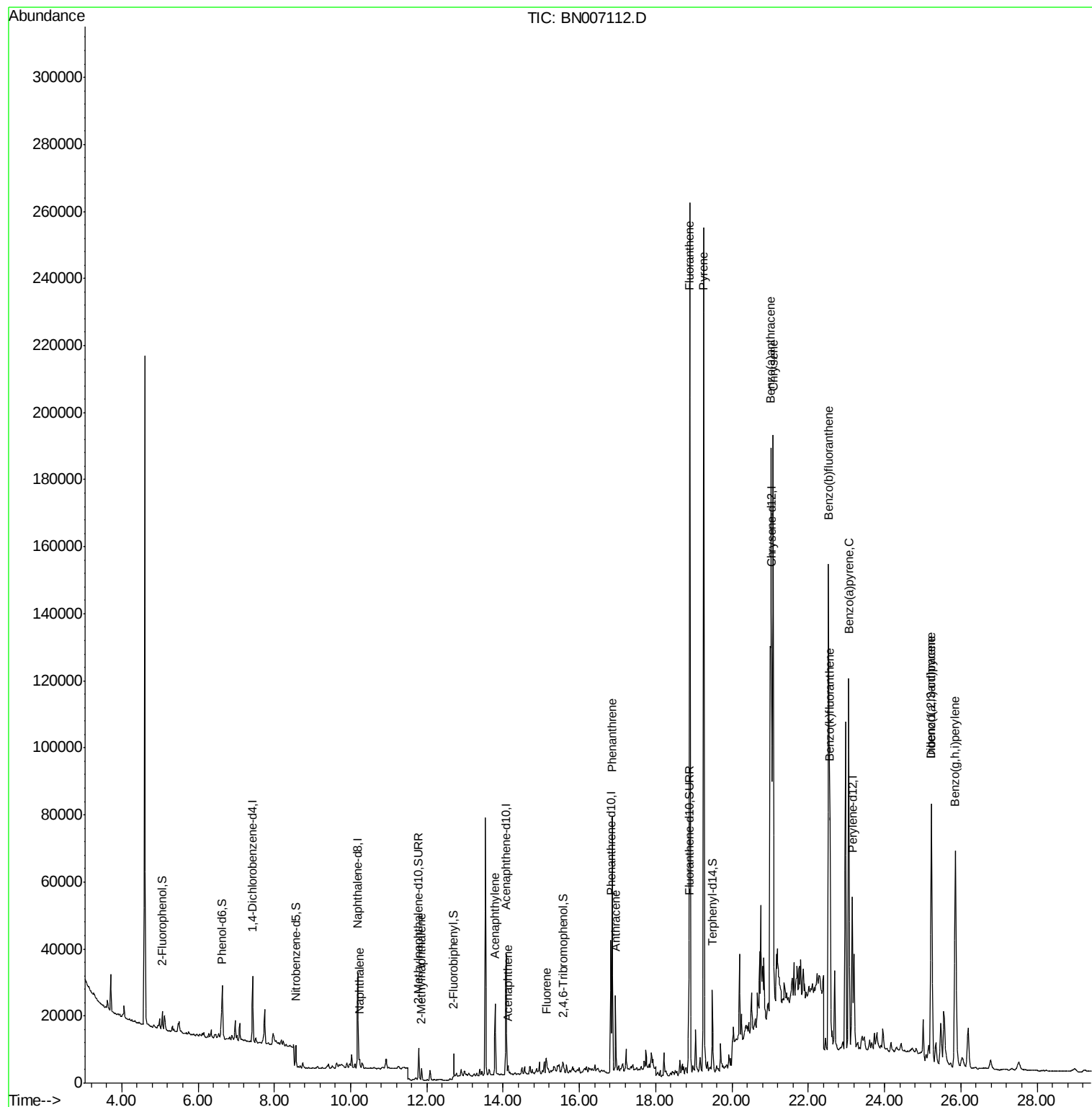
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
Data File : BN007112.D
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#1

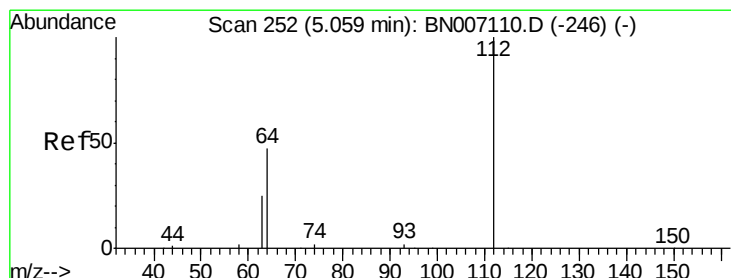
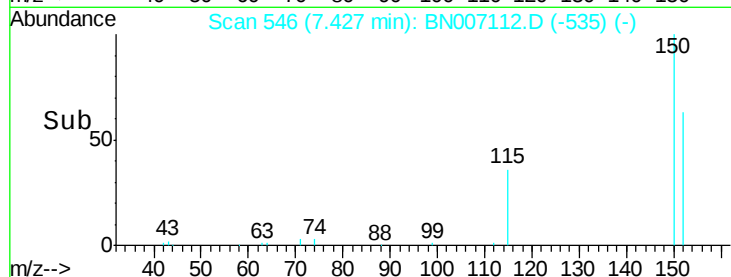
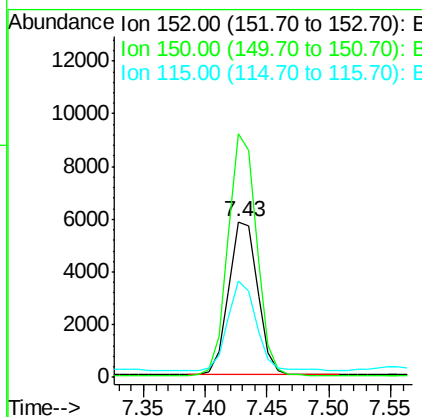
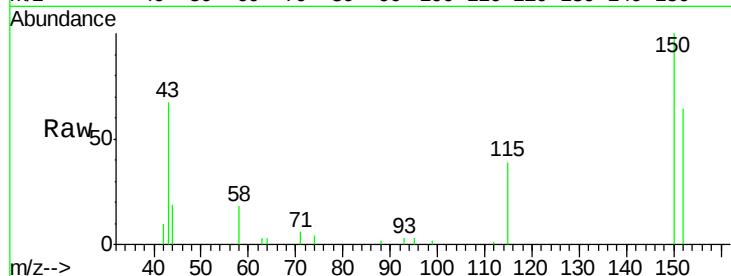
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007112.D
Acq: 13 Aug 2019 03:18

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW119-073119

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	121.7	182.5
115	61.5	46.2	69.4

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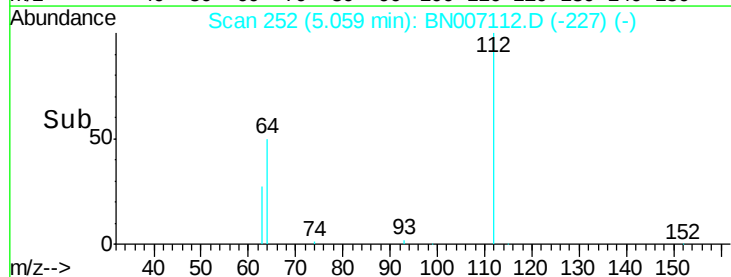
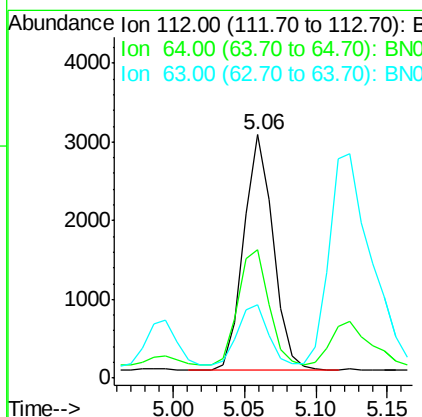
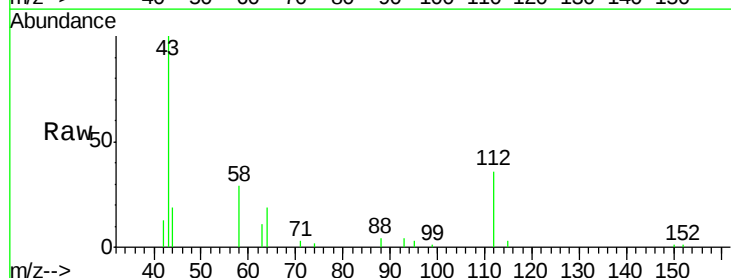
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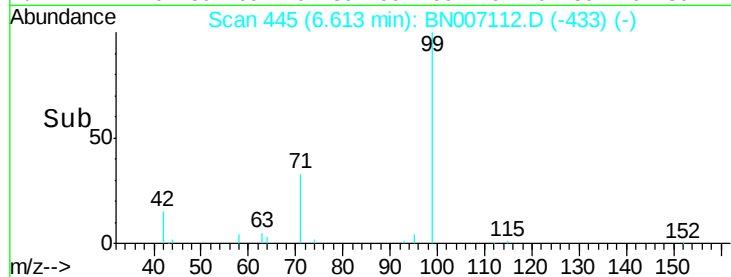
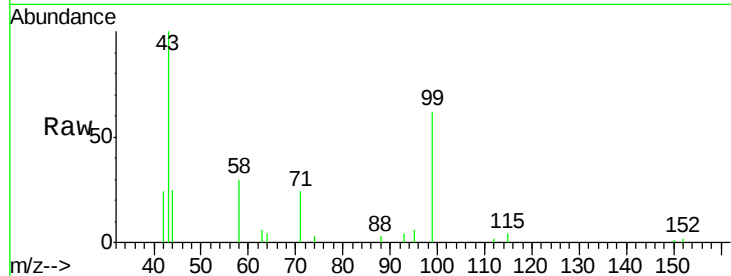
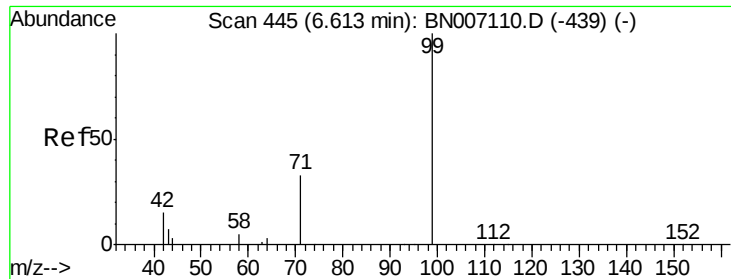


#3

2-Fluorophenol
Concen: 0.190 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007112.D
Acq: 13 Aug 2019 03:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.2	42.6	63.8
63	26.9	22.2	33.2





#4

Phenol-d6

Concen: 0.235 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007112.D

Acq: 13 Aug 2019 03:18

Tot Ion:	99	Resp:	6580
Ion Ratio	Lower	Upper	
99	100		
42	38.4	15.8	23.6#
71	42.4	27.0	40.4#

Instrument :

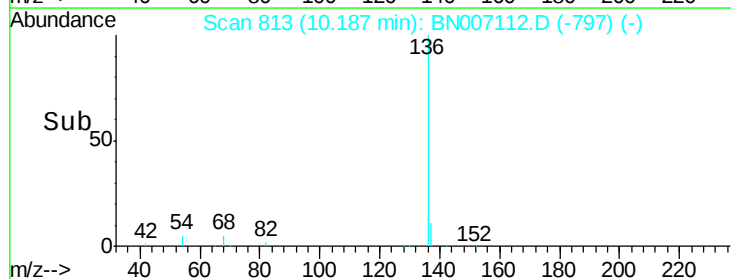
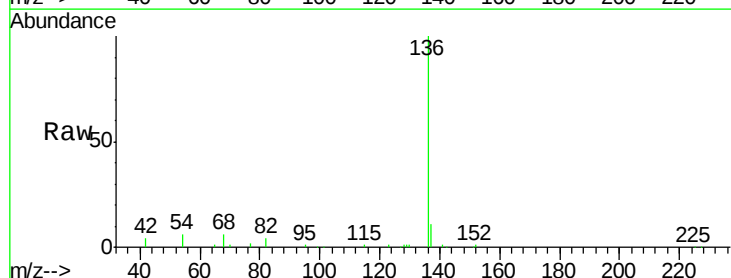
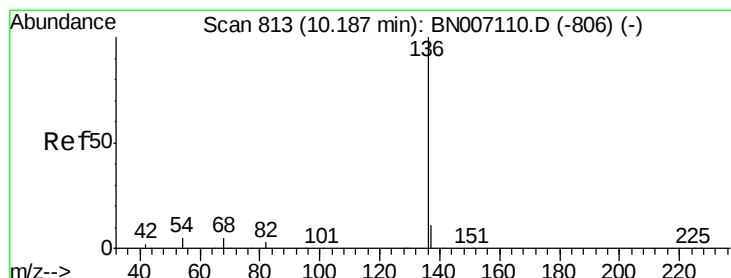
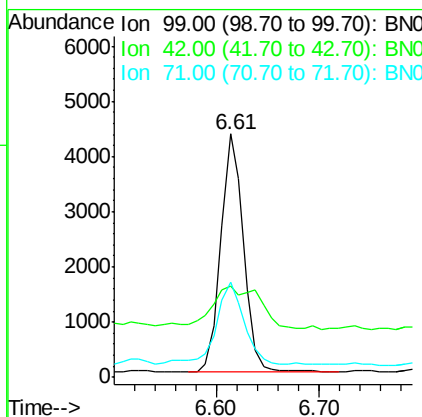
BNA_N

ClientSampleId :

EXT-008-SW119-073119

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#6

Naphthalene-d8

Concen: 0.400 ng

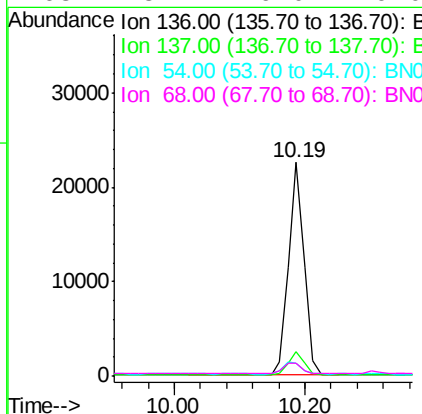
RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007112.D

Acq: 13 Aug 2019 03:18

Tgt Ion:	136	Resp:	37066
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.4	14.0
54	5.9	6.6	9.8#
68	5.7	6.0	9.0#





#7

Nitrobenzene-d5

Concen: 0.195 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007112.D

Acq: 13 Aug 2019 03:18

Instrument :

BNA_N

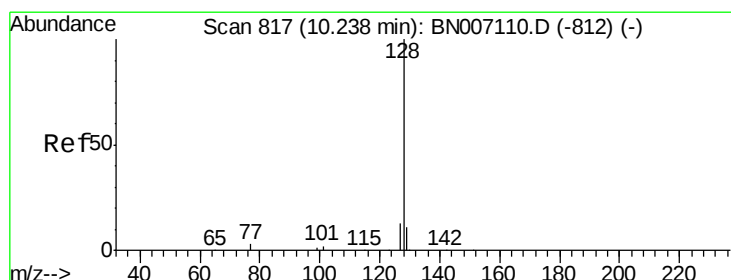
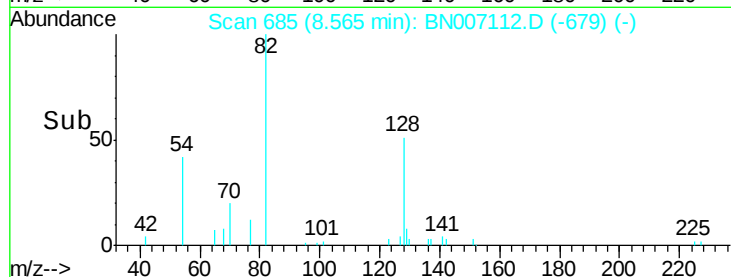
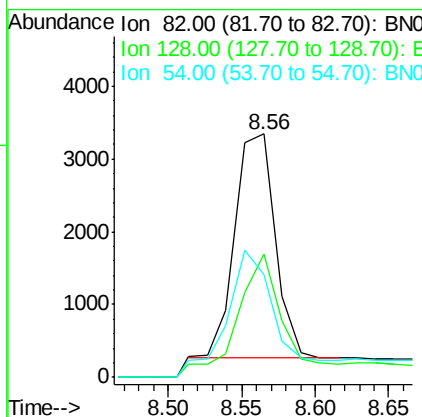
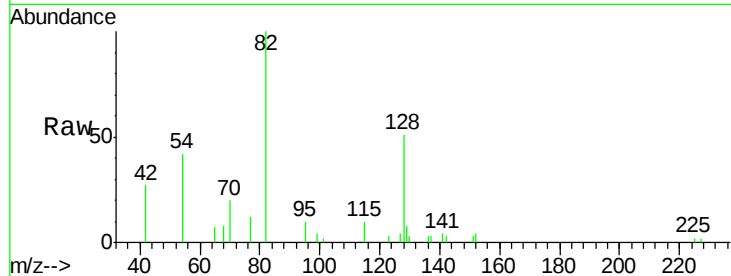
ClientSampleId :

EXT-008-SW119-073119

Tot Ion:	82	Resp:	5826
Ion	Ratio	Lower	Upper
82	100		
128	50.5	34.6	51.8
54	42.4	36.2	54.4

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#8

Naphthalene

Concen: 0.036 ng

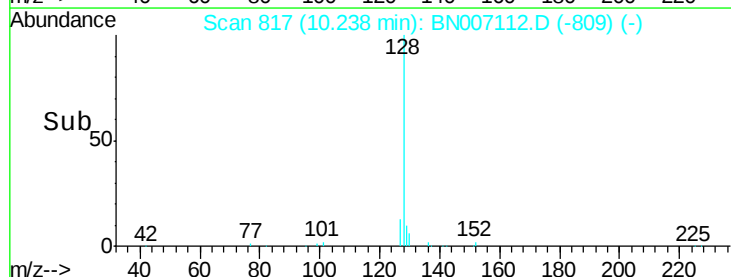
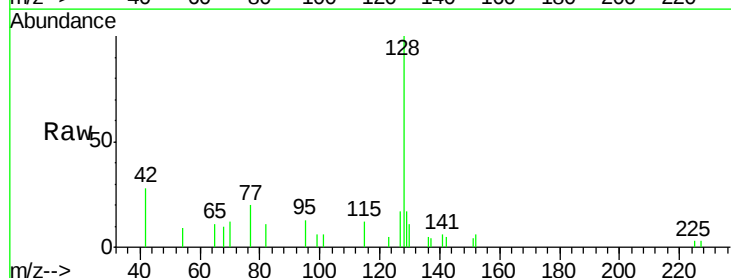
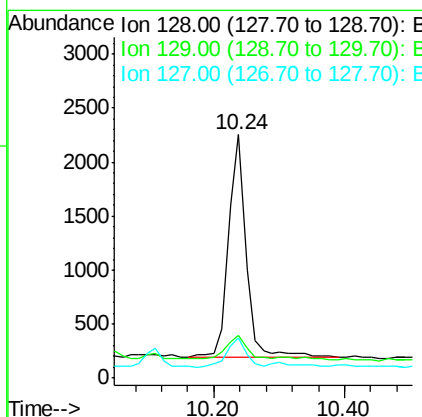
RT: 10.24 min Scan# 817

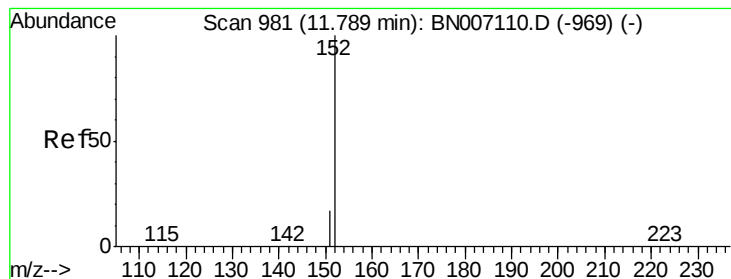
Delta R.T. -0.00 min

Lab File: BN007112.D

Acq: 13 Aug 2019 03:18

Tgt Ion:	128	Resp:	3787
Ion	Ratio	Lower	Upper
128	100		
129	17.3	9.4	14.2#
127	16.6	11.0	16.6#





#10

2-Methylnaphthalene-d10

Concen: 0.191 ng

RT: 11.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BN007112.D

Acq: 13 Aug 2019 03:18

Instrument :

BNA_N

ClientSampleId :

EXT-008-SW119-073119

Tot Ion:152 Resp: 13213

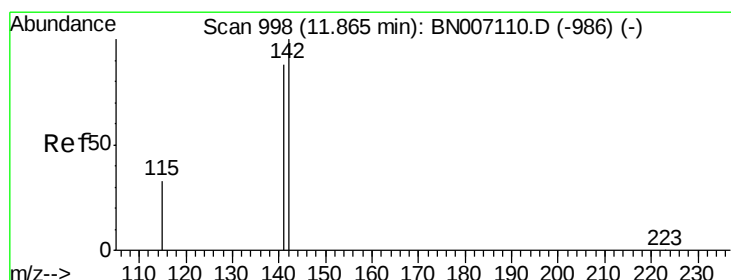
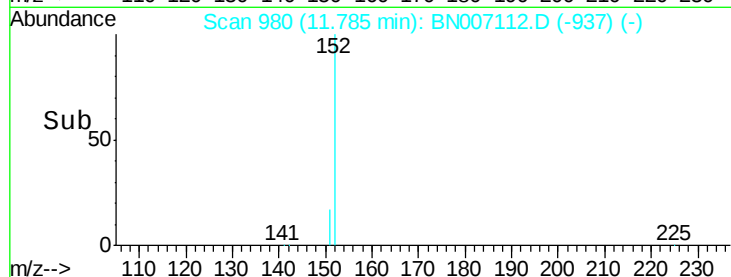
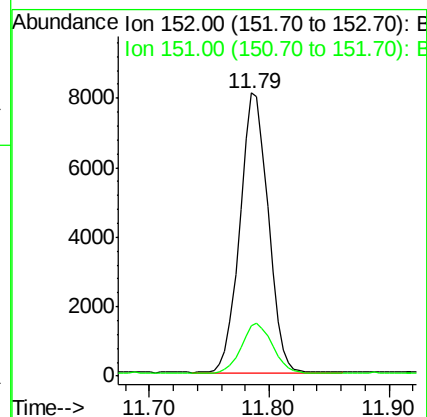
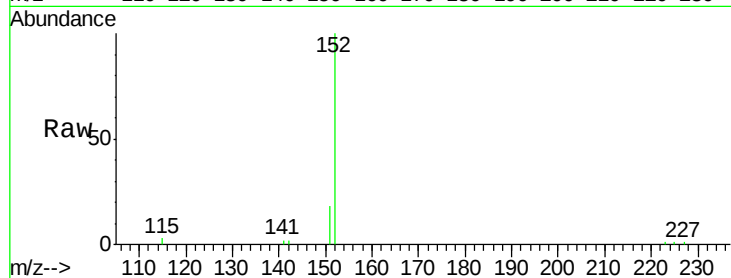
Ion Ratio Lower Upper

152 100

151 19.4 15.5 23.3

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#11

2-Methylnaphthalene

Concen: 0.033 ng

RT: 11.86 min Scan# 997

Delta R.T. -0.01 min

Lab File: BN007112.D

Acq: 13 Aug 2019 03:18

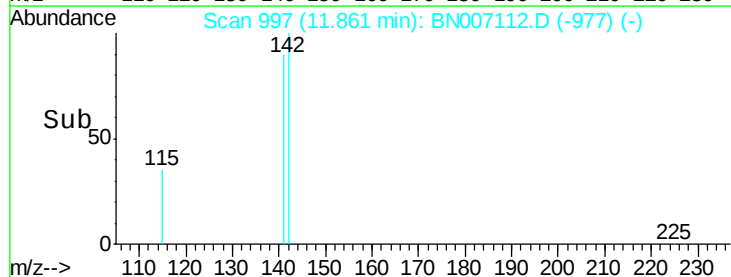
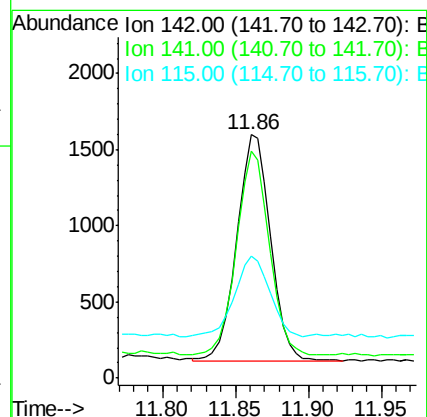
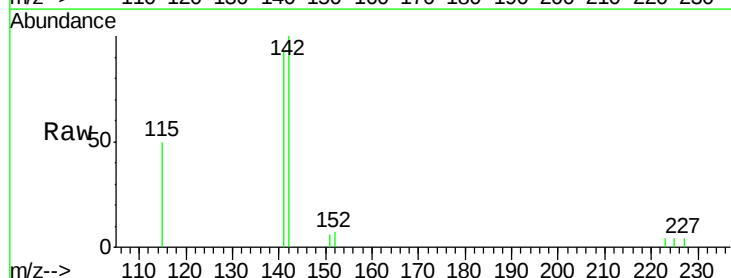
Tgt Ion:142 Resp: 2407

Ion Ratio Lower Upper

142 100

141 93.2 69.0 103.6

115 50.0 27.1 40.7#





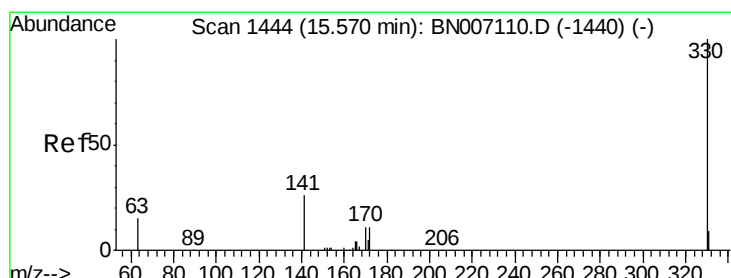
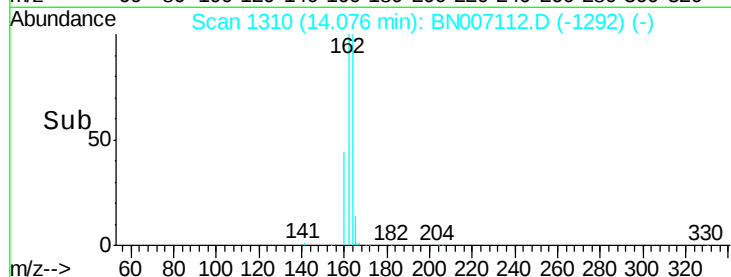
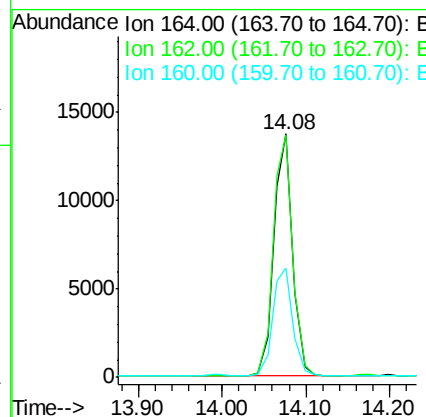
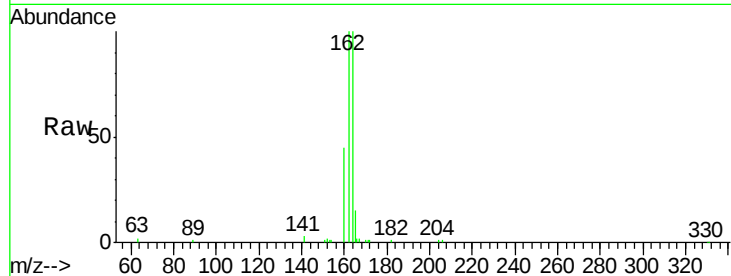
#12
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.08 min Scan# 1310
 Delta R.T. -0.00 min
 Lab File: BN007112.D
 Acq: 13 Aug 2019 03:18

Instrument :
 BNA_N
 ClientSampleId :
 EXT-008-SW119-073119

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.8	82.2	123.4
160	45.1	38.3	57.5

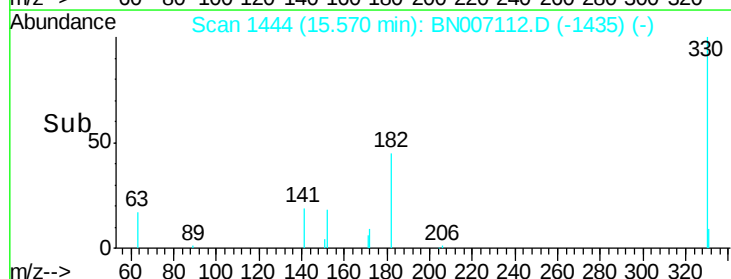
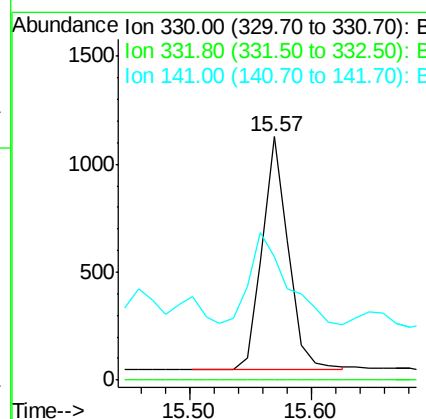
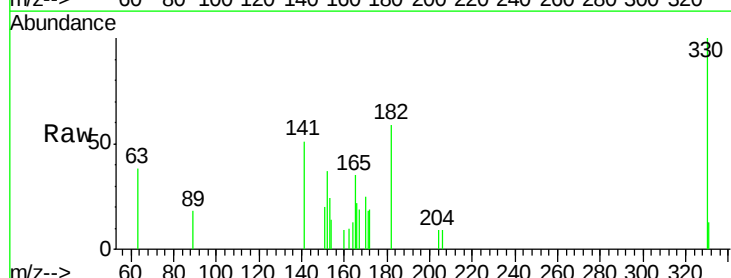
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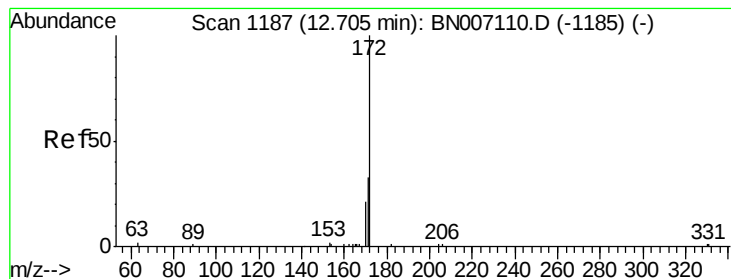
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#13
 2,4,6-Tribromophenol
 Concen: 0.139 ng
 RT: 15.57 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: BN007112.D
 Acq: 13 Aug 2019 03:18

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	56.4	33.6	50.4#





#14

2-Fluorobiphenyl

Concen: 0.103 ng

RT: 12.71 min Scan# 1187

Delta R.T. -0.00 min

Lab File: BN007112.D

Acq: 13 Aug 2019 03:18

Instrument :

BNA_N

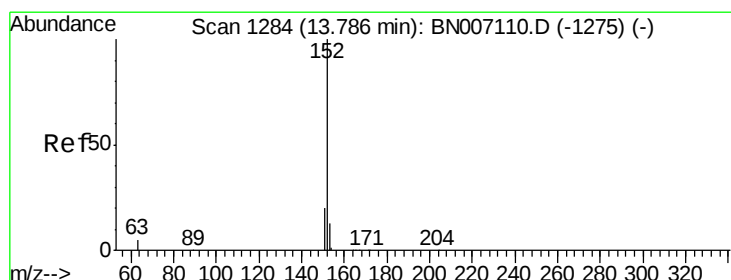
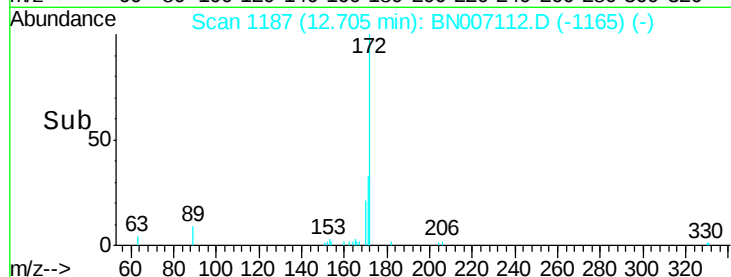
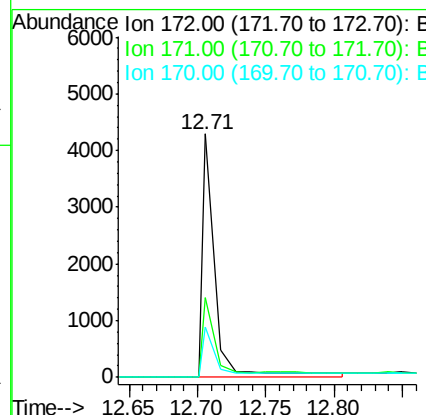
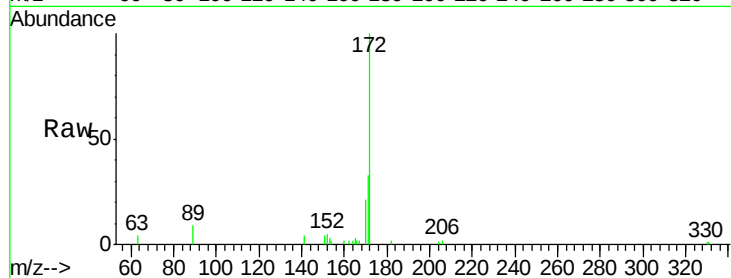
ClientSampleId :

EXT-008-SW119-073119

Tot Ion:	172	Resp:	3225
Ion Ratio	Lower	Upper	
172	100		
171	32.5	26.3	39.5
170	20.7	17.0	25.4

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#15

Acenaphthylene

Concen: 0.238 ng

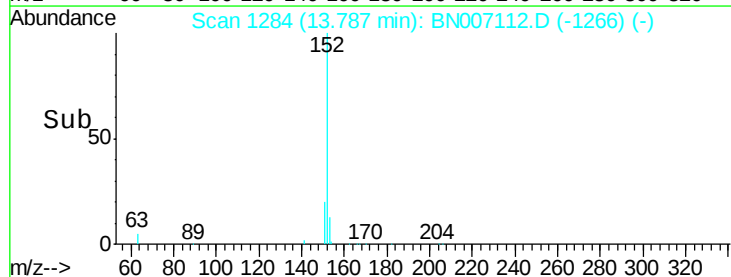
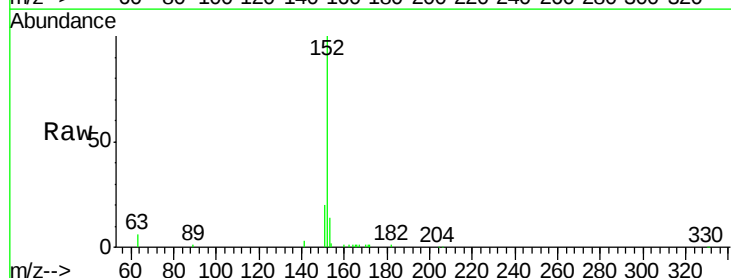
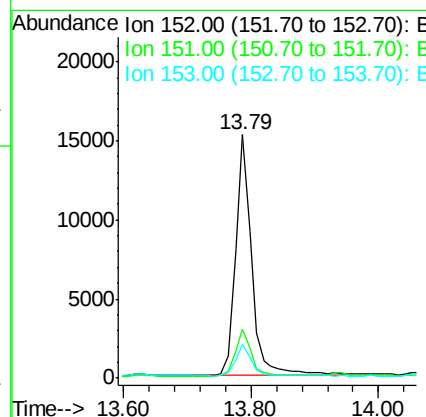
RT: 13.79 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BN007112.D

Acq: 13 Aug 2019 03:18

Tgt Ion:	152	Resp:	26716
Ion Ratio	Lower	Upper	
152	100		
151	19.9	15.8	23.6
153	13.0	10.4	15.6





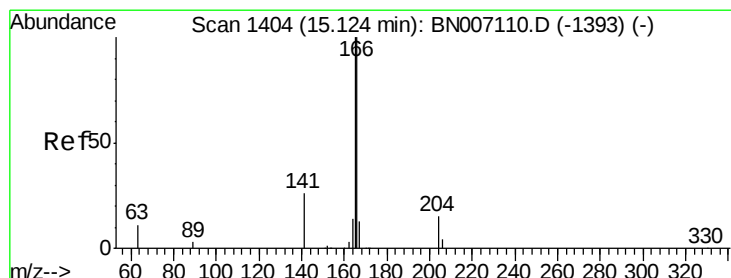
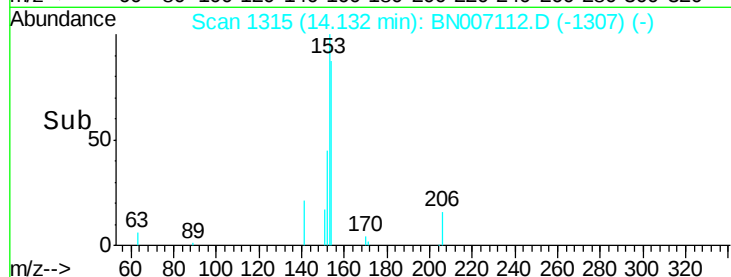
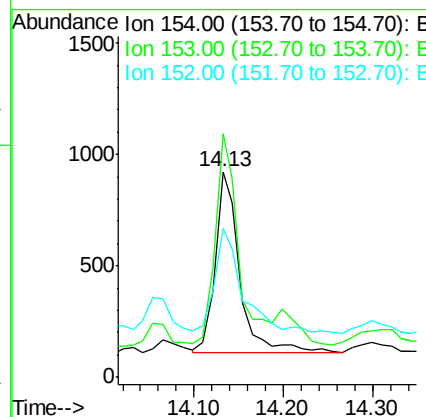
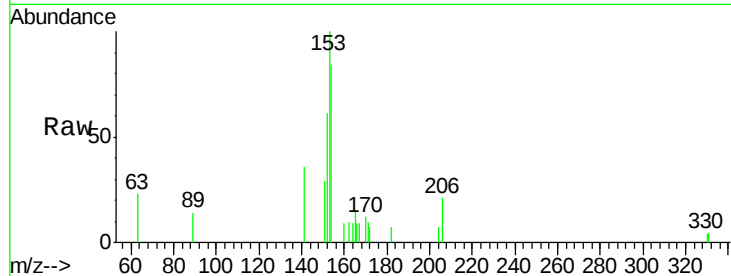
#16
Acenaphthene
Concen: 0.022 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007112.D
Acq: 13 Aug 2019 03:18

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW119-073119

Tot Ion	Ratio	Lower	Upper
154	100		
153	108.7	89.5	134.3
152	66.6	44.8	67.2

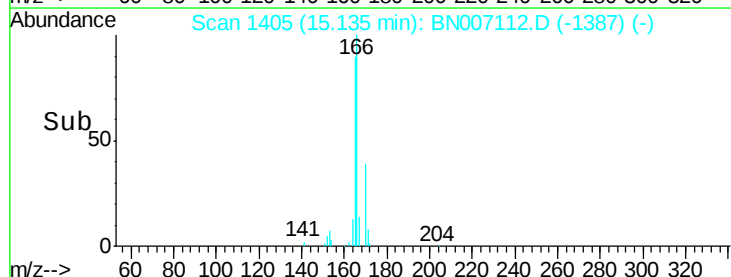
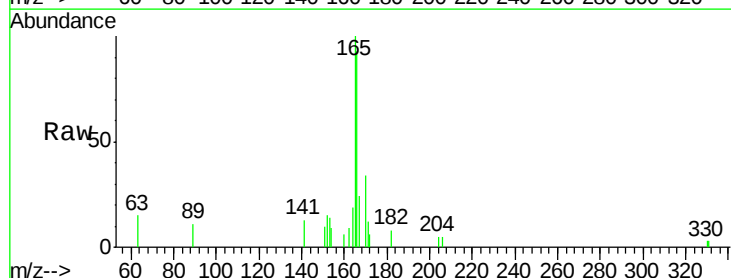
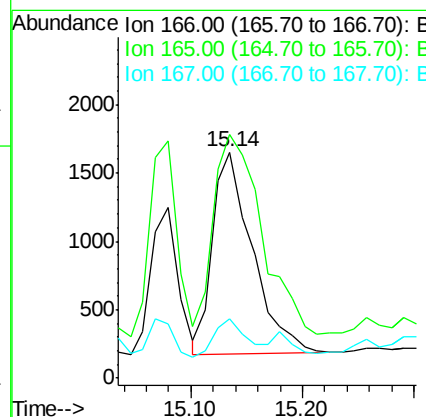
Manual Integrations
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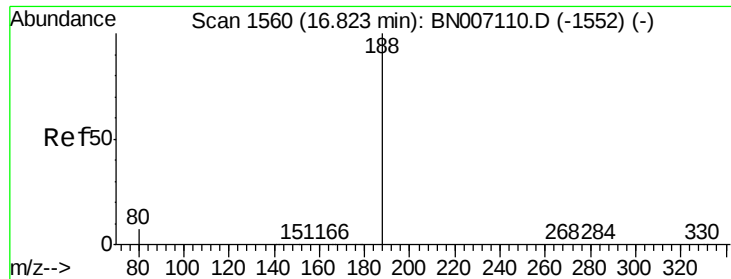
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#17
Fluorene
Concen: 0.034 ng
RT: 15.14 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BN007112.D
Acq: 13 Aug 2019 03:18

Tgt Ion	Ratio	Lower	Upper
166	100		
165	119.6	77.9	116.9#
167	14.5	10.9	16.3





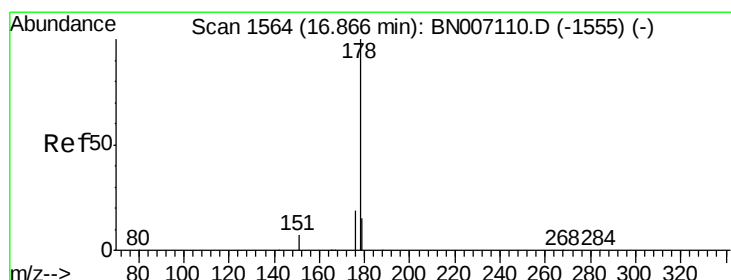
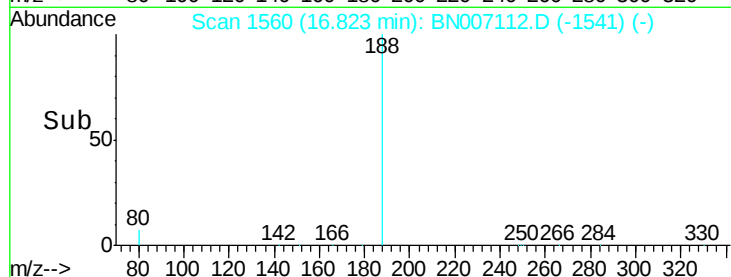
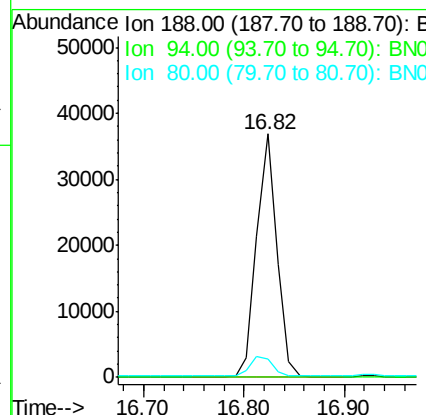
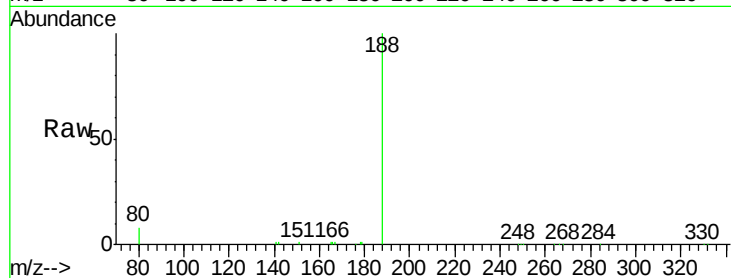
#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007112.D
Acq: 13 Aug 2019 03:18

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW119-073119

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.5	7.8	11.6#

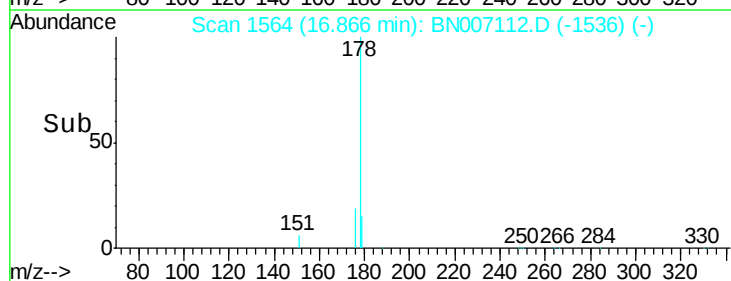
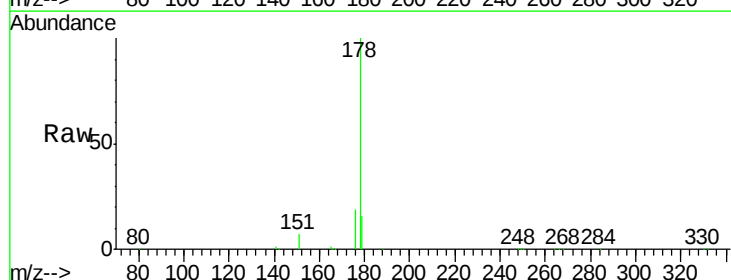
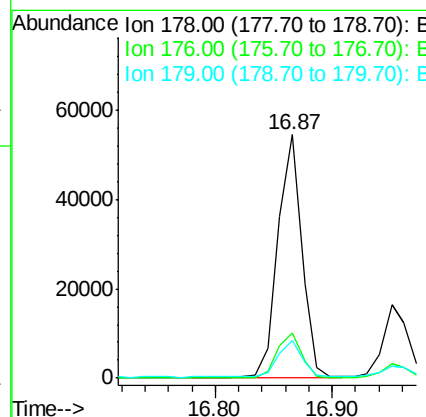
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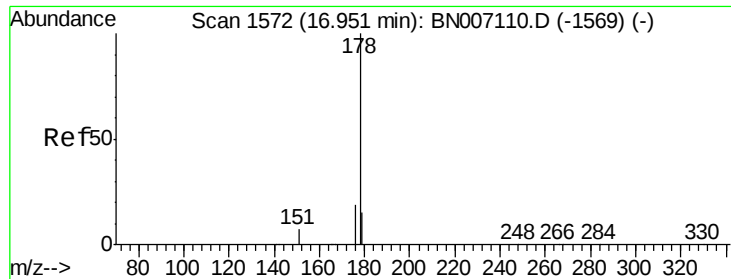
mohammad
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#22
Phenanthrene
Concen: 0.500 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007112.D
Acq: 13 Aug 2019 03:18

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.0	15.2	22.8
179	15.5	12.3	18.5





#23

Anthracene

Concen: 0.168 ng

RT: 16.95 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BN007112.D

Acq: 13 Aug 2019 03:18

Instrument :

BNA_N

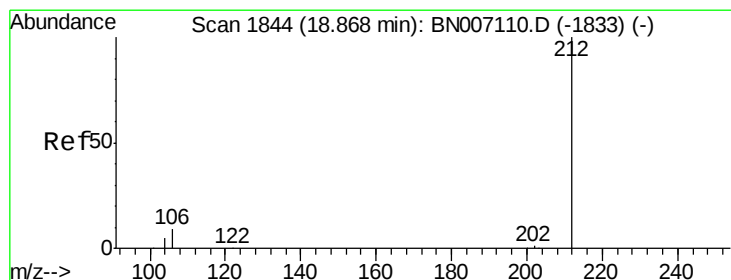
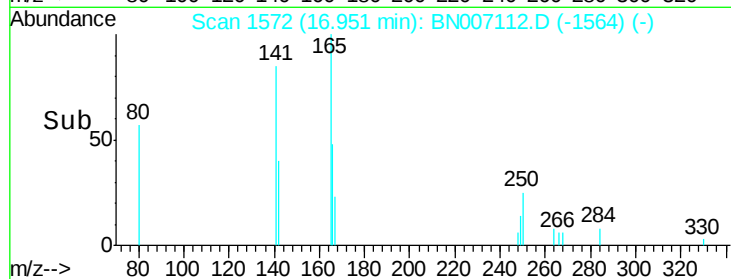
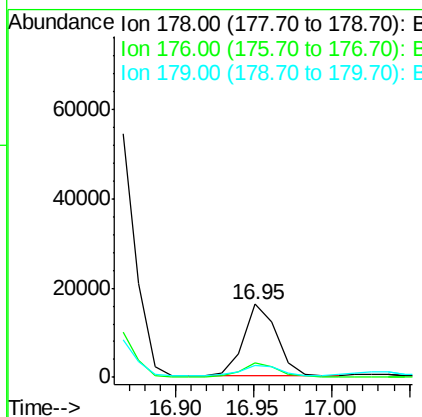
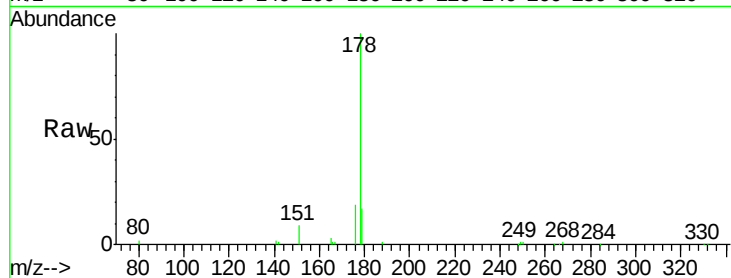
ClientSampleId :

EXT-008-SW119-073119

Tot Ion:178	Resp:	23692
Ion Ratio	Lower	Upper
178	100	
176	18.1	14.6 21.8
179	17.4	12.5 18.7

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#24

Fluoranthene-d10

Concen: 0.177 ng

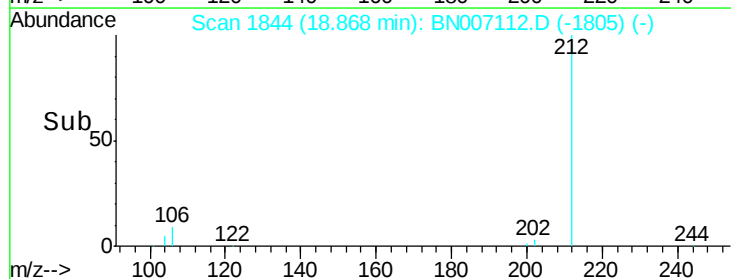
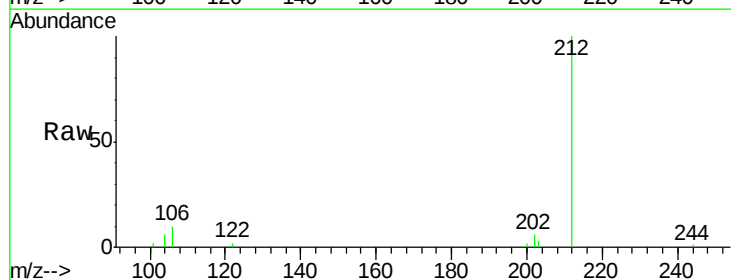
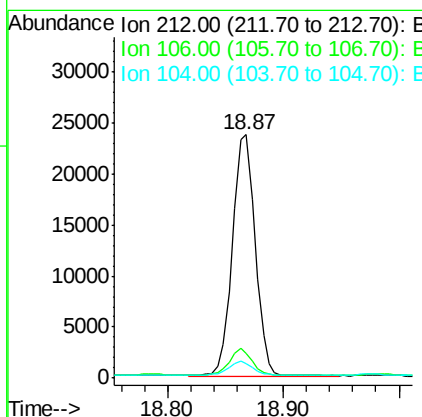
RT: 18.87 min Scan# 1844

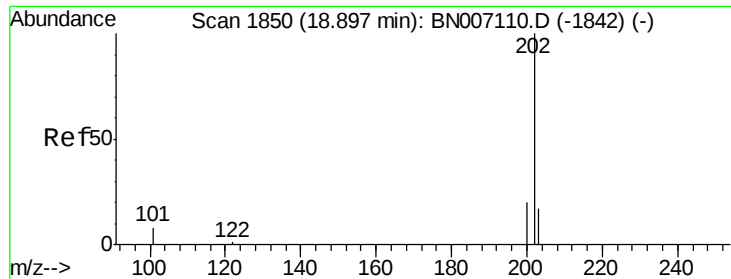
Delta R.T. -0.01 min

Lab File: BN007112.D

Acq: 13 Aug 2019 03:18

Tgt Ion:212	Resp:	32337
Ion Ratio	Lower	Upper
212	100	
106	11.0	8.2 12.2
104	6.2	4.5 6.7





#25

Fluoranthene

Concen: 1.218 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN007112.D

Acq: 13 Aug 2019 03:18

Instrument :

BNA_N

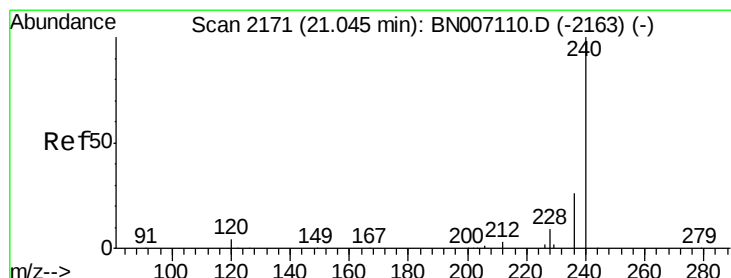
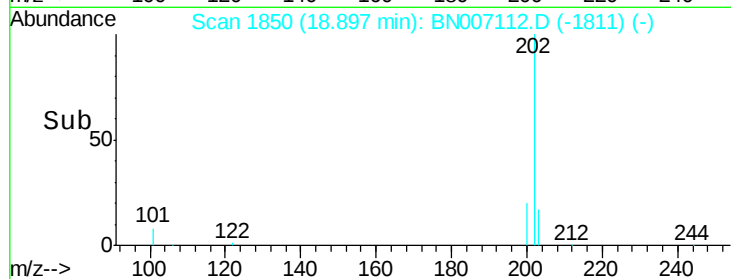
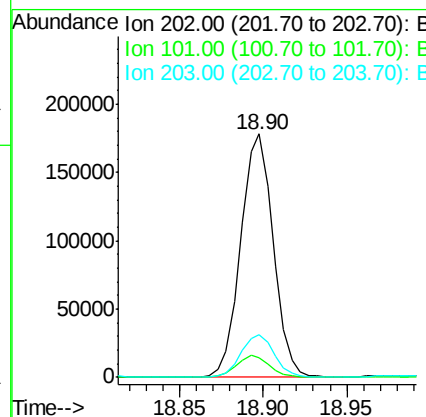
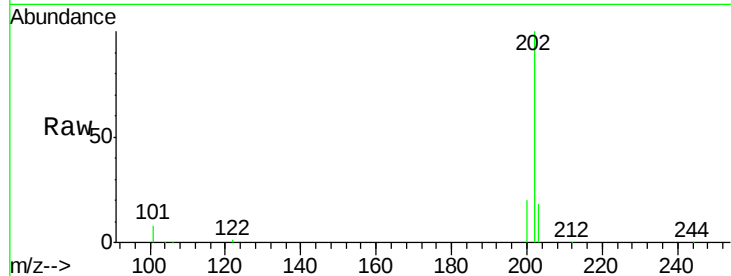
ClientSampleId :

EXT-008-SW119-073119

Tot Ion:	202	Resp:	240648
Ion Ratio	Lower	Upper	
202	100		
101	8.7	7.0	10.4
203	17.5	13.8	20.8

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#26

Chrysene-d12

Concen: 0.400 ng

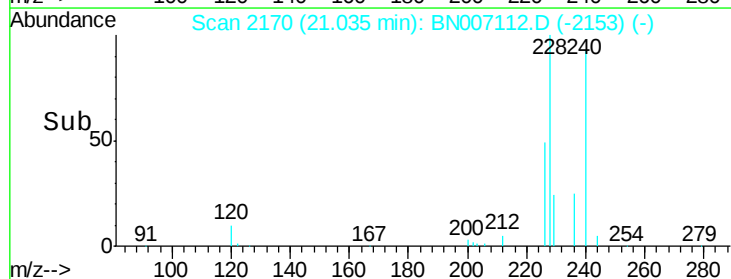
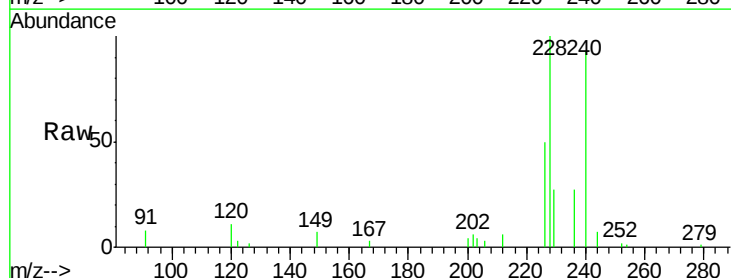
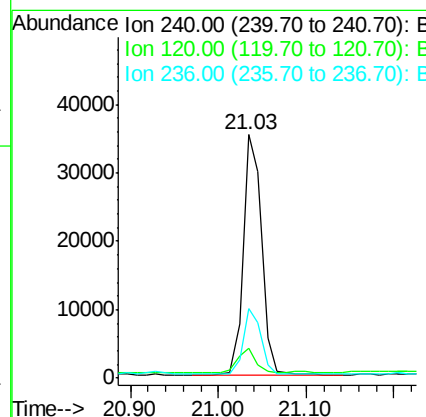
RT: 21.03 min Scan# 2170

Delta R.T. -0.02 min

Lab File: BN007112.D

Acq: 13 Aug 2019 03:18

Tgt Ion:	240	Resp:	51004
Ion Ratio	Lower	Upper	
240	100		
120	12.4	4.0	6.0#
236	28.8	21.3	31.9





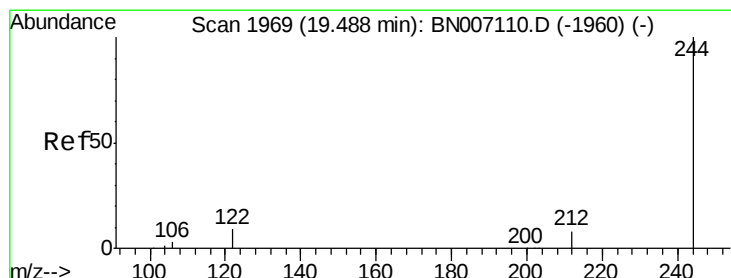
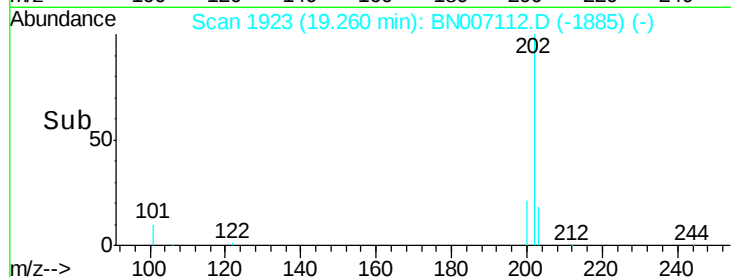
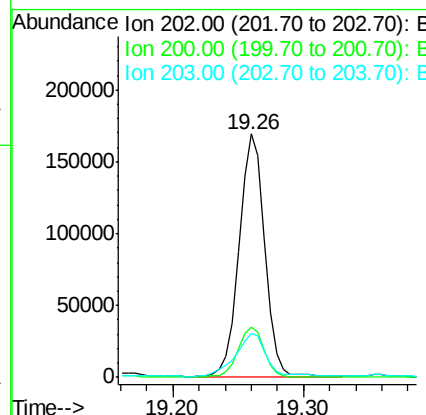
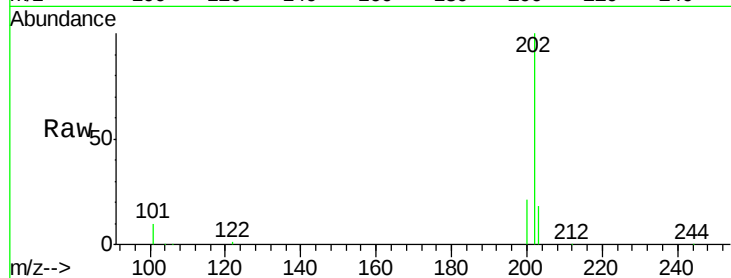
#27
Pvrene
Concen: 1.291 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007112.D
Acq: 13 Aug 2019 03:18

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW119-073119

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.8	16.6	24.8
203	20.3	14.0	21.0

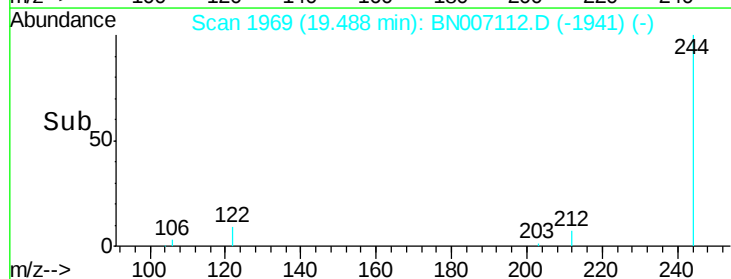
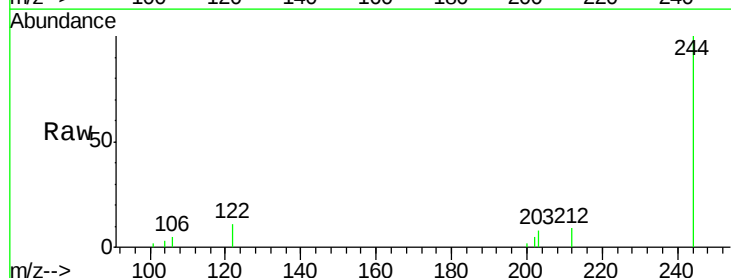
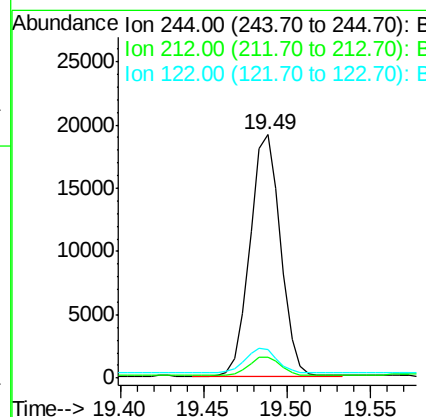
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#28
Terphenyl-d14
Concen: 0.176 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007112.D
Acq: 13 Aug 2019 03:18

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	8.7	6.2	9.2
122	11.5	7.4	11.2#





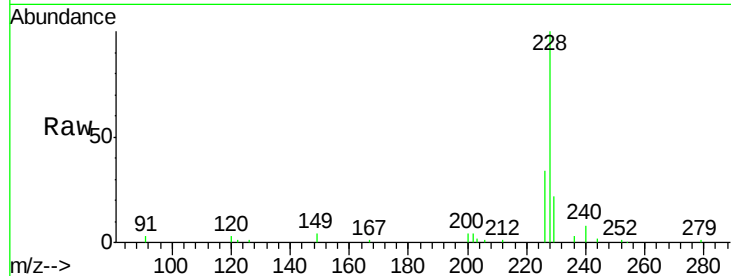
#29
Benzo(a)anthracene
Concen: 0.704 ng m
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007112.D
Acq: 13 Aug 2019 03:18

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW119-073119

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.1	21.8	32.6#
229	21.9	15.6	23.4

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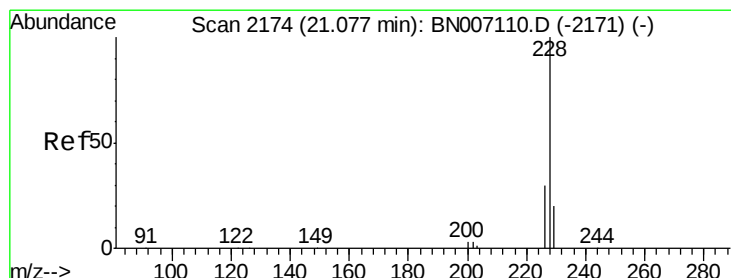
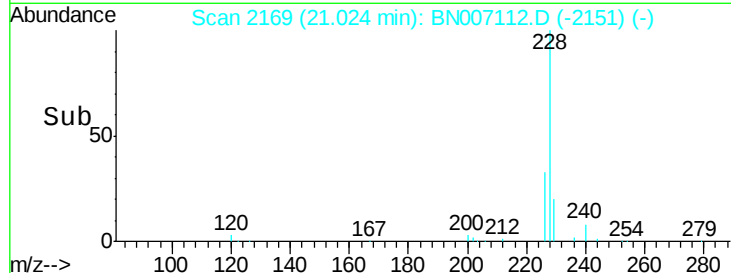
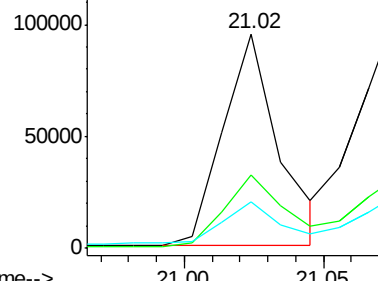


Abundance

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: 0.874 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007112.D
Acq: 13 Aug 2019 03:18

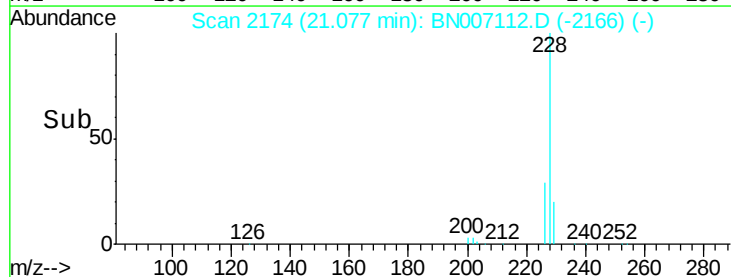
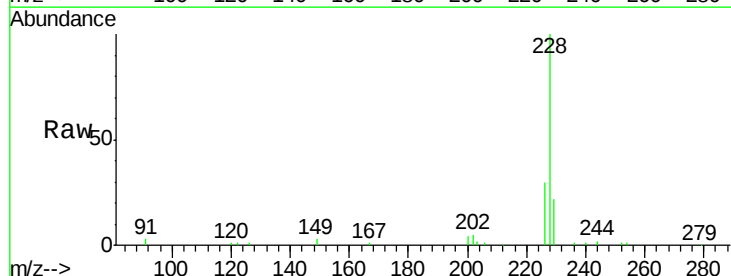
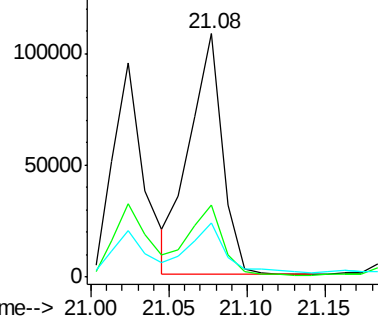
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.6
229	22.2	15.7	23.5

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





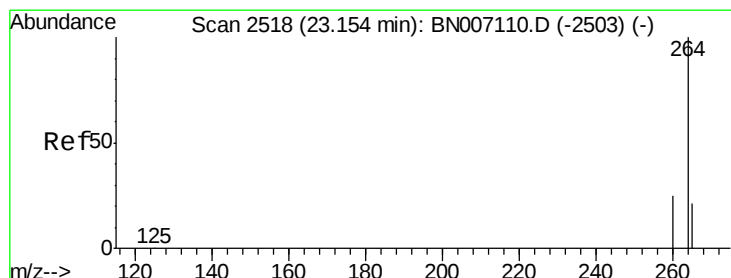
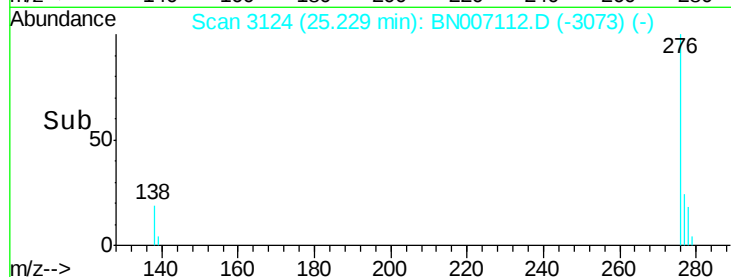
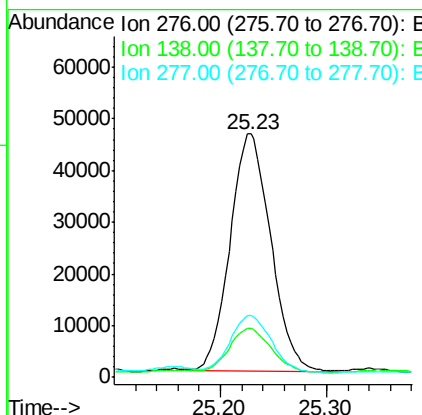
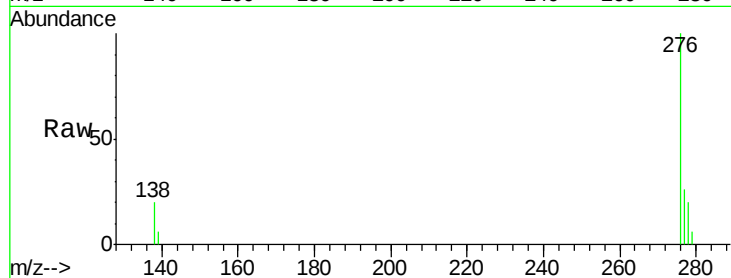
#31
Indeno(1,2,3-cd)pyrene
Concen: 0.613 ng
RT: 25.23 min Scan# 3124
Delta R.T. -0.02 min
Lab File: BN007112.D
Acq: 13 Aug 2019 03:18

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW119-073119

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.4	16.0	24.0
277	24.6	19.9	29.9

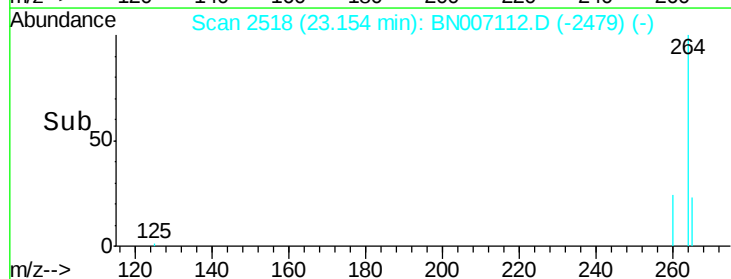
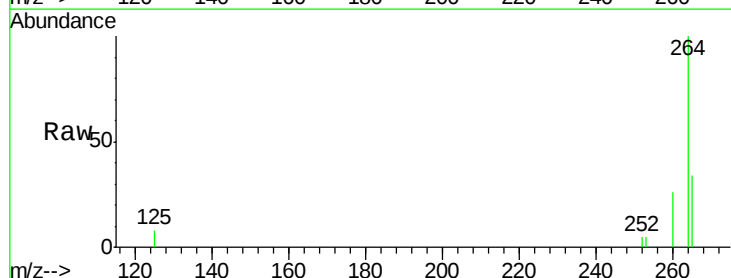
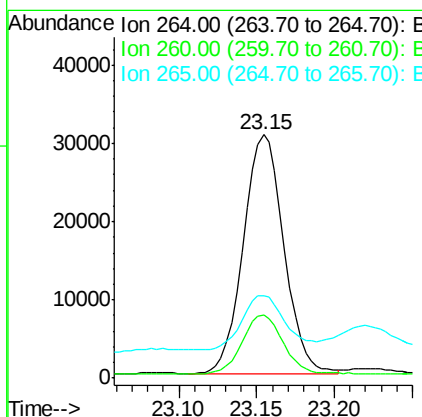
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#32
Perylene-d12
Concen: 0.400 ng
RT: 23.15 min Scan# 2518
Delta R.T. -0.02 min
Lab File: BN007112.D
Acq: 13 Aug 2019 03:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.9	19.8	29.8
265	34.0	26.2	39.4





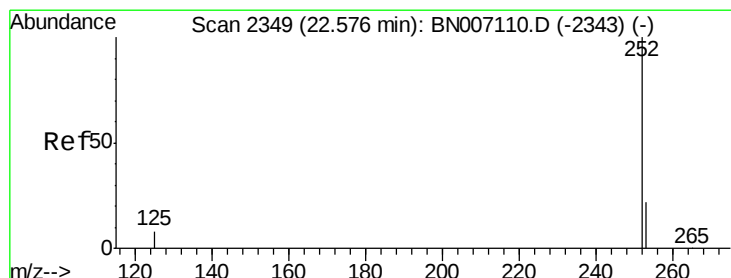
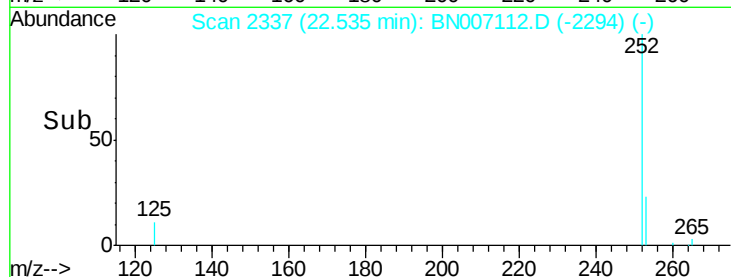
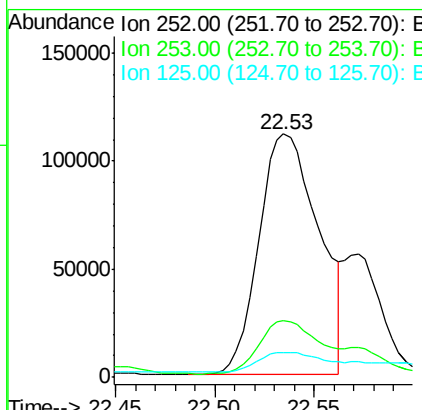
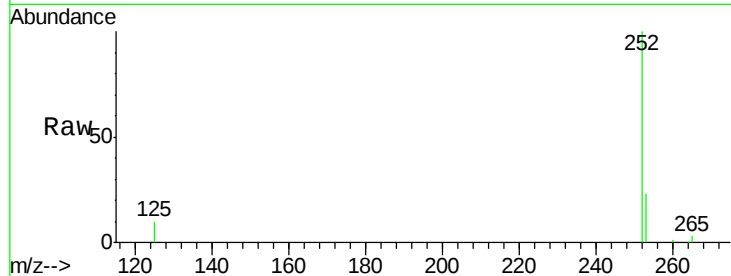
#33
Benzo(b)fluoranthene
Concen: 1.245 ng
RT: 22.53 min Scan# 2337
Delta R.T. -0.01 min
Lab File: BN007112.D
Acq: 13 Aug 2019 03:18

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW119-073119

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	10.4	7.4	11.0

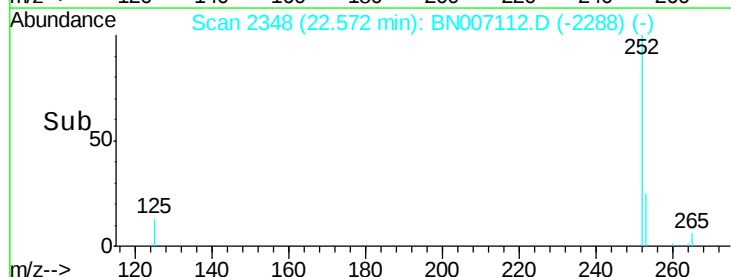
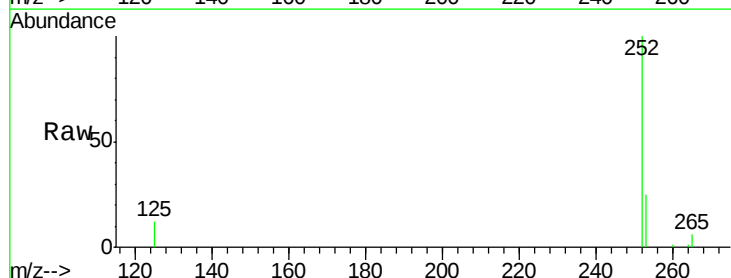
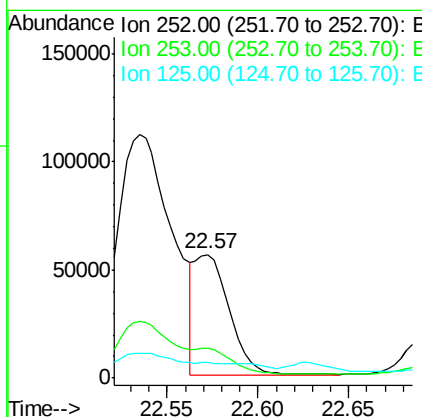
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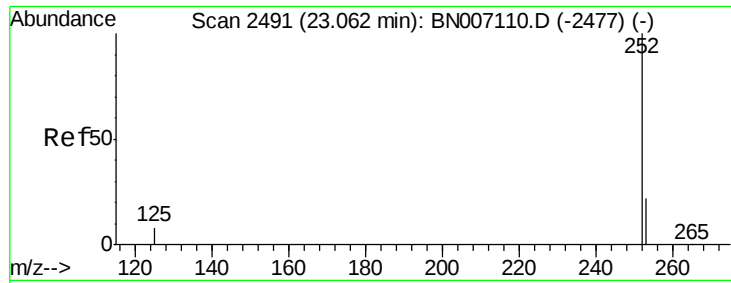
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#34
Benzo(k)fluoranthene
Concen: 0.404 ng m
RT: 22.57 min Scan# 2348
Delta R.T. -0.02 min
Lab File: BN007112.D
Acq: 13 Aug 2019 03:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.1	27.1
125	12.3	7.4	11.0#





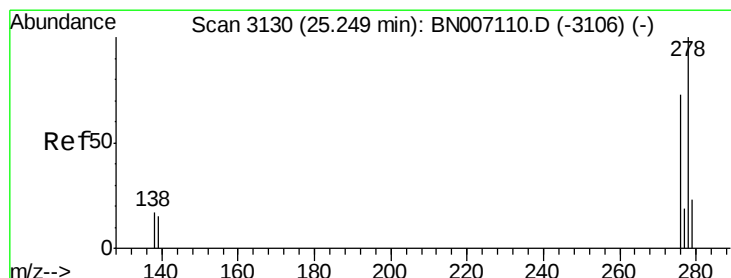
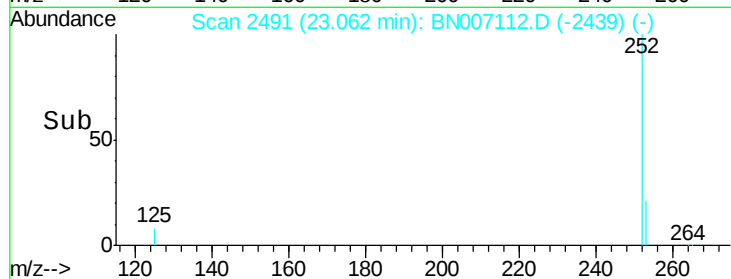
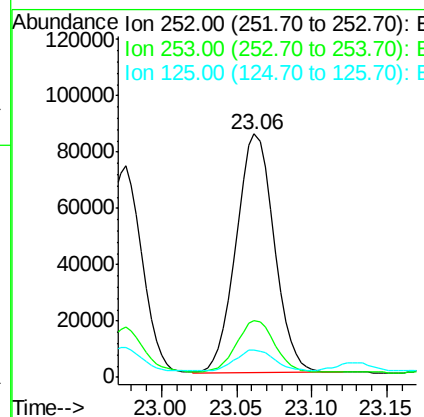
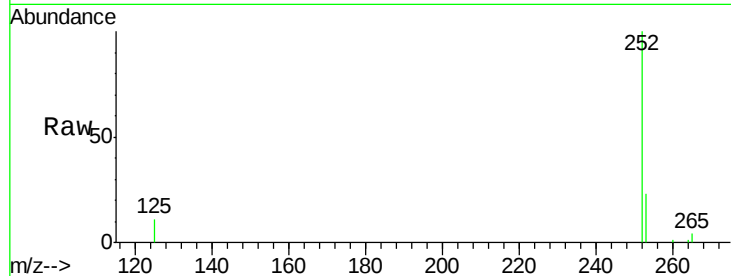
#35
Benzo(a)pyrene
Concen: 0.855 ng
RT: 23.06 min Scan# 2491
Delta R.T. -0.02 min
Lab File: BN007112.D
Acq: 13 Aug 2019 03:18

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW119-073119

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.5	27.7
125	11.2	8.2	12.4

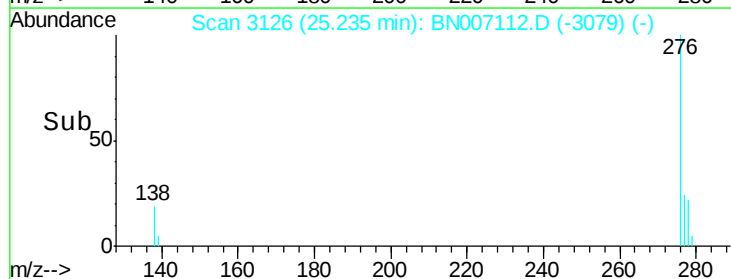
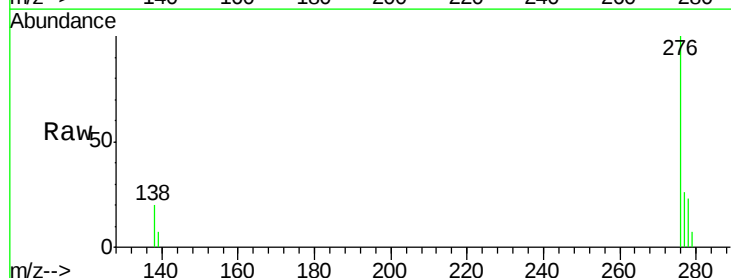
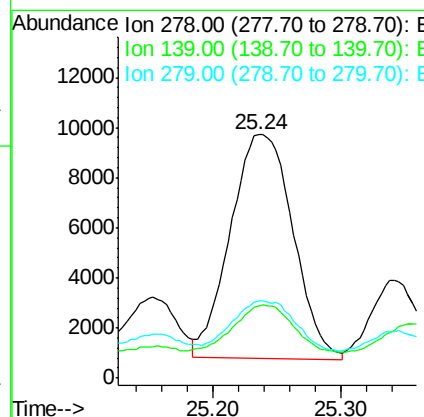
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#36
Dibenzo(a,h)anthracene
Concen: 0.177 ng
RT: 25.24 min Scan# 3126
Delta R.T. -0.04 min
Lab File: BN007112.D
Acq: 13 Aug 2019 03:18

Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.6	11.3	16.9#
279	31.7	19.3	28.9#





#37
 Benzo(a,h,i)perylene
 Concen: 0.748 ng
 RT: 25.85 min Scan# 3307
 Delta R.T. -0.02 min
 Lab File: BN007112.D
 Acq: 13 Aug 2019 03:18

Instrument :
 BNA_N
 ClientSampleId :
 EXT-008-SW119-073119

Tot Ion:	276	Resp:	131344
Ion Ratio	Lower	Upper	
276	100		
277	25.0	19.8	29.8
138	20.0	14.6	22.0

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