

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081519\
 Data File : BN007190.D
 Acq On : 15 Aug 2019 11:21
 Operator : HP/JU
 Sample : K4144-12 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-008-SW109-073119

Manual Integrations
 APPROVED

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 8/16/2019 6:11:10 PM

Quant Time: Aug 16 03:11:21 2019

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 13 12:12:02 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	7418	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	28725	0.40	ng	0.00
12) Acenaphthene-d10	14.07	164	16871	0.40	ng	-0.01
18) Phenanthrene-d10	16.82	188	39750	0.40	ng	0.00
26) Chrysene-d12	21.05	240	39227	0.40	ng	-0.01
32) Perylene-d12	23.16	264	58629	0.40	ng	-0.01

System Monitoring Compounds

3) 2-Fluorophenol	5.05	112	1012	0.06	ng	0.00
4) Phenol-d6	6.61	99	1399	0.06	ng	0.00
7) Nitrobenzene-d5	8.55	82	1130	0.05	ng	-0.01
10) 2-Methylnaphthalene-d10	11.79	152	2522	0.05	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	442	0.05	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	443	0.02	ng	0.00
24) Fluoranthene-d10	18.87	212	7139m	0.05	ng	0.00
28) Terphenyl-d14	19.49	244	5945	0.06	ng	-0.01

Target Compounds

						Qvalue
8) Naphthalene	10.22	128	19031	0.236	ng	99
11) 2-Methylnaphthalene	11.86	142	14592	0.256	ng	94
15) Acenaphthylene	13.79	152	256947	2.914	ng	99
16) Acenaphthene	14.13	154	11386	0.202	ng	98
17) Fluorene	15.12	166	39134	0.463	ng	# 12
21) Pentachlorophenol	16.48	266	276	0.031	ng	# 85
22) Phenanthrene	16.87	178	542957	4.558	ng	100
23) Anthracene	16.95	178	189707	1.743	ng	99
25) Fluoranthene	18.90	202	938884	6.161	ng	99
27) Pyrene	19.26	202	1466171	10.658	ng	98
29) Benzo(a)anthracene	21.02	228	707269	4.930	ng	93
30) Chrysene	21.08	228	863045	6.192	ng	97
31) Indeno(1,2,3-cd)pyrene	25.24	276	423304	2.756	ng	99
33) Benzo(b)fluoranthene	22.54	252	840254	4.179	ng	100
34) Benzo(k)fluoranthene	22.58	252	216792m	1.092	ng	
35) Benzo(a)pyrene	23.07	252	668375	3.667	ng	99
36) Dibenzo(a,h)anthracene	25.25	278	126499	0.696	ng	# 90
37) Benzo(a,h,i)perylene	25.87	276	491157	2.626	ng	99

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

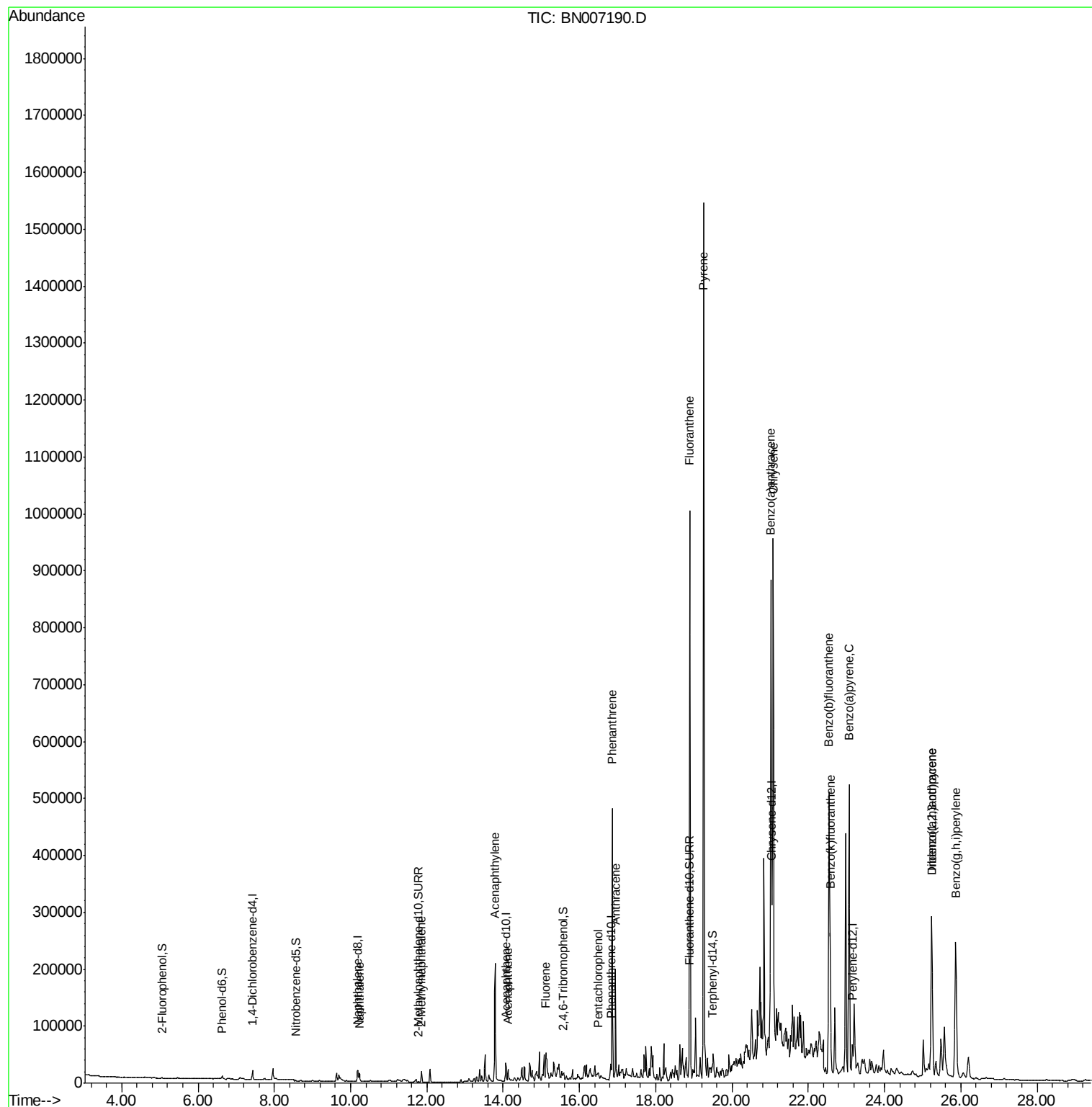
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081519\
Data File : BN007190.D
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Misc :
ALS Vial : 5 Sample Multiplier: 1

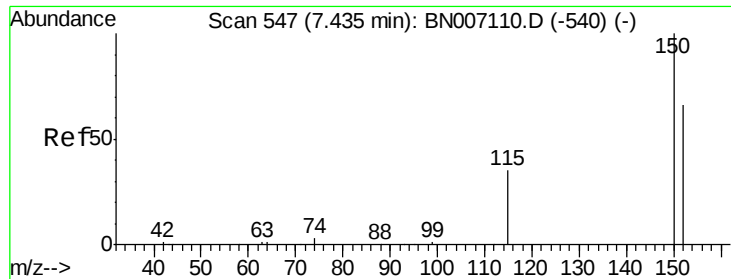
Instrument :
BNA_N
ClientSampleId :
EXT-008-SW109-073119

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Quant Time: Aug 16 03:11:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

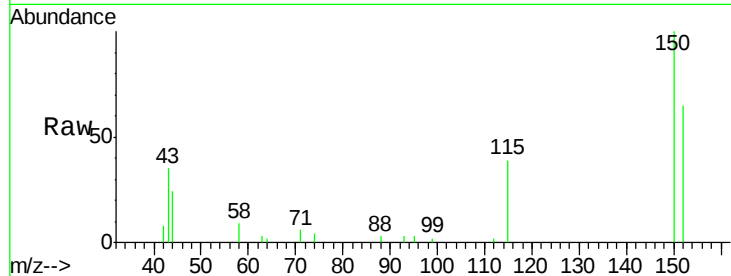
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007190.D
Acq: 15 Aug 2019 11:21

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW109-073119

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	121.7	182.5
115	59.2	46.2	69.4

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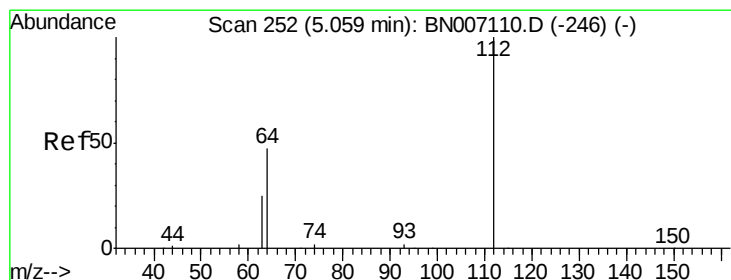
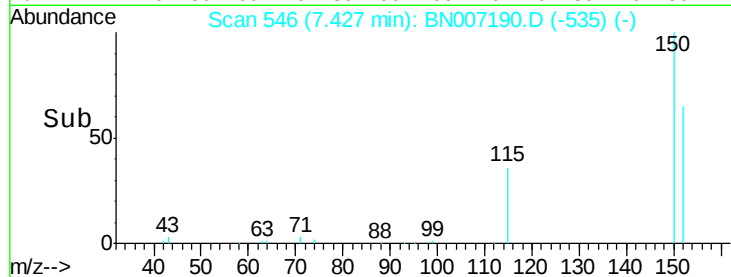
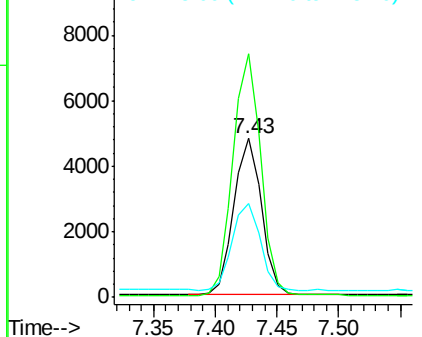


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

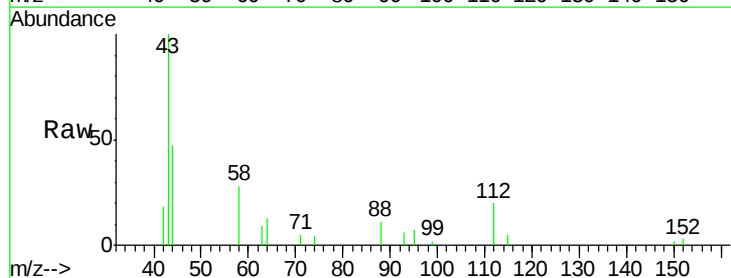
Ion 115.00 (114.70 to 115.70): E



#3

2-Fluorophenol
Concen: 0.057 ng
RT: 5.05 min Scan# 251
Delta R.T. -0.01 min
Lab File: BN007190.D
Acq: 15 Aug 2019 11:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.3	42.6	63.8
63	29.9	22.2	33.2

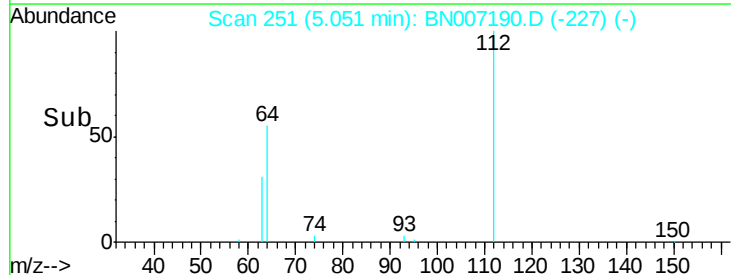
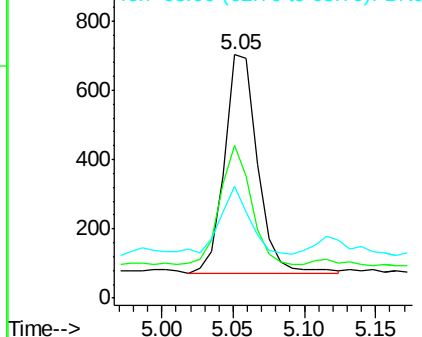


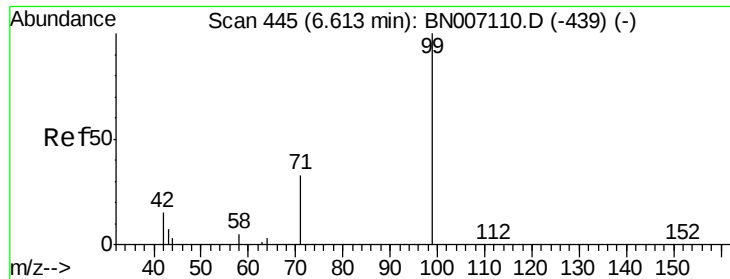
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#4

Phenol-d6

Concen: 0.063 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007190.D

Acq: 15 Aug 2019 11:21

Instrument :

BNA_N

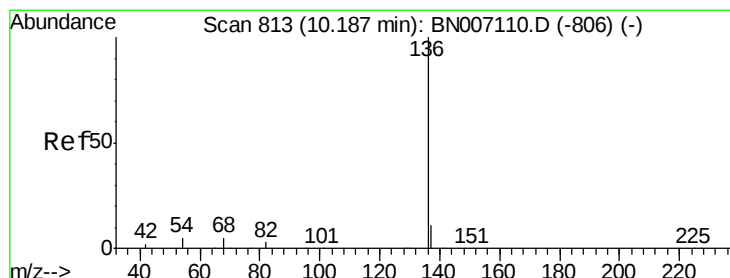
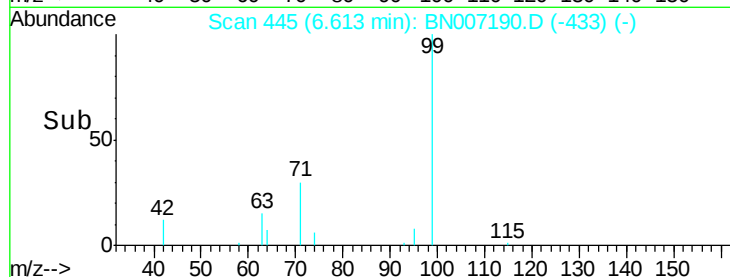
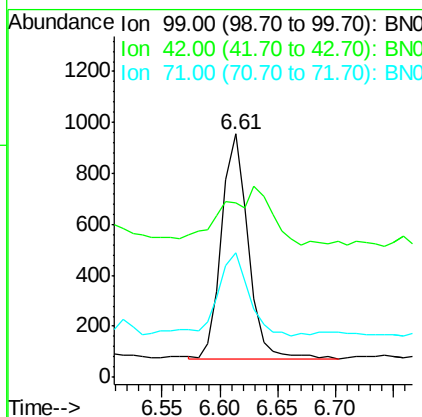
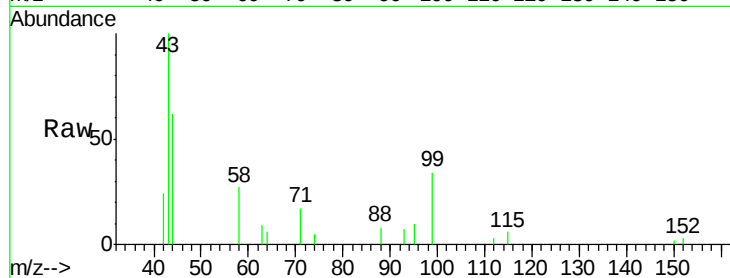
ClientSampleId :

EXT-008-SW109-073119

Tot Ion:	99	Resp:	1399
Ion	Ratio	Lower	Upper
99	100		
42	46.3	15.8	23.6#
71	44.3	27.0	40.4#

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#6

Naphthalene-d8

Concen: 0.400 ng

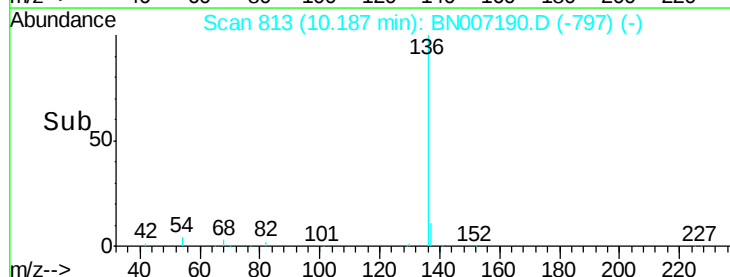
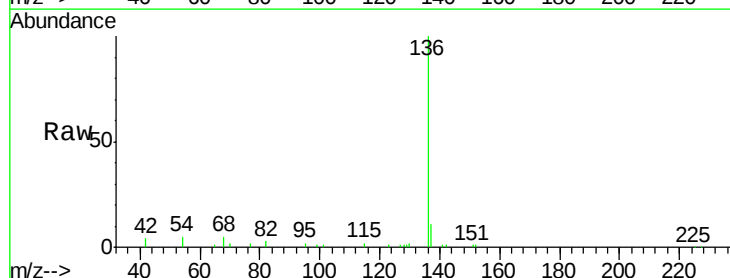
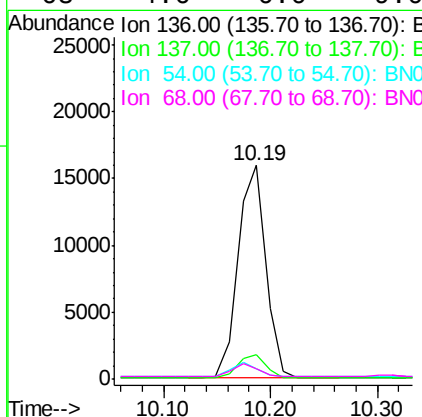
RT: 10.19 min Scan# 813

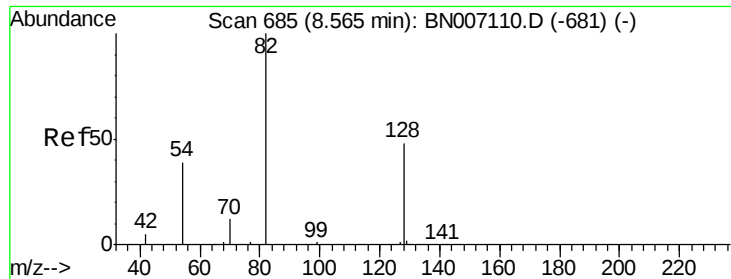
Delta R.T. -0.00 min

Lab File: BN007190.D

Acq: 15 Aug 2019 11:21

Tgt Ion:	136	Resp:	28725
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.4	14.0
54	4.9	6.6	9.8#
68	4.6	6.0	9.0#





#7

Nitrobenzene-d5

Concen: 0.049 ng

RT: 8.55 min Scan# 684

Delta R.T. -0.01 min

Lab File: BN007190.D

Acq: 15 Aug 2019 11:21

Instrument :

BNA_N

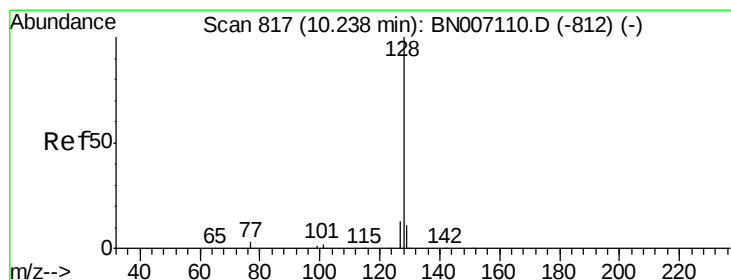
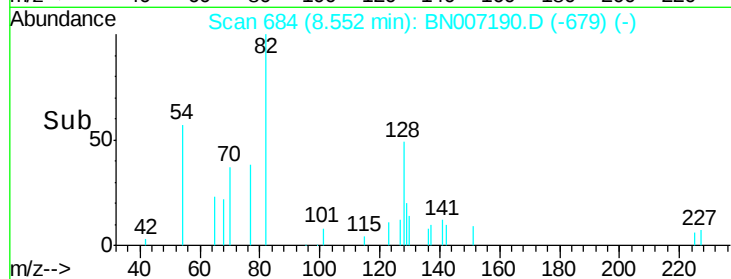
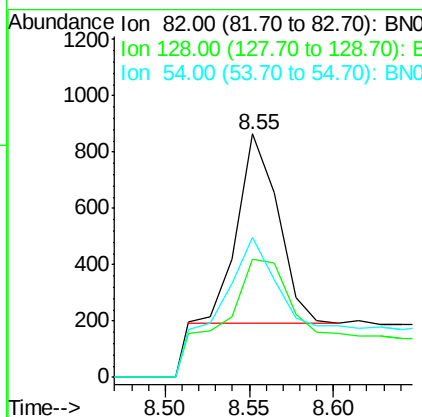
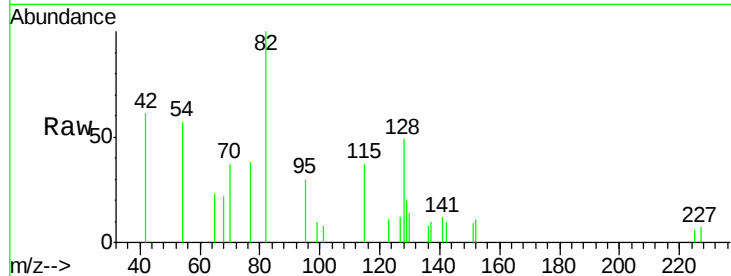
ClientSampleId :

EXT-008-SW109-073119

Tot Ion:	82	Resp:	1130
Ion Ratio	Lower	Upper	
82	100		
128	48.7	34.6	51.8
54	57.2	36.2	54.4

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#8

Naphthalene

Concen: 0.236 ng

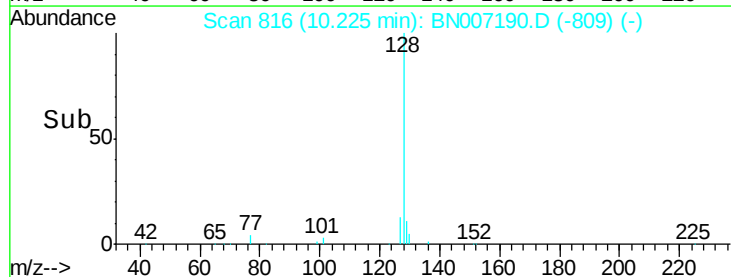
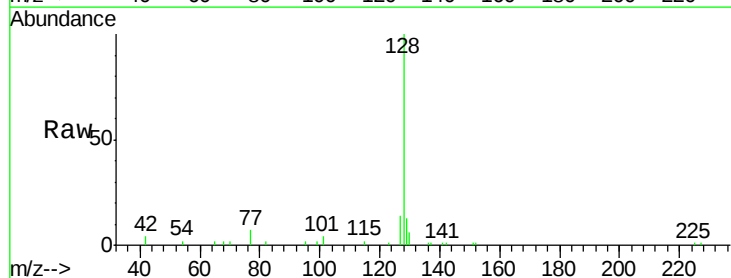
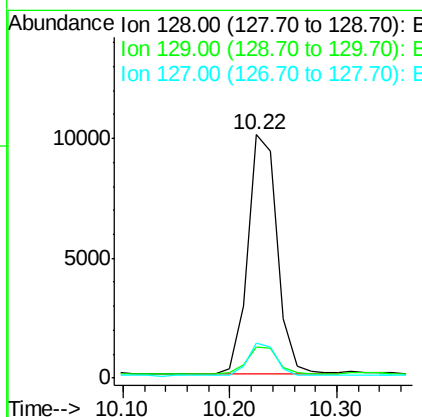
RT: 10.22 min Scan# 816

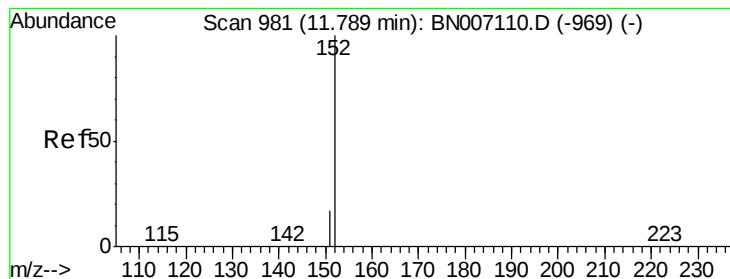
Delta R.T. -0.01 min

Lab File: BN007190.D

Acq: 15 Aug 2019 11:21

Tgt Ion:	128	Resp:	19031
Ion Ratio	Lower	Upper	
128	100		
129	12.6	9.4	14.2
127	14.2	11.0	16.6





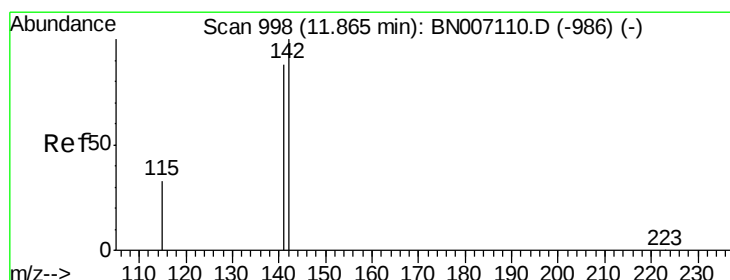
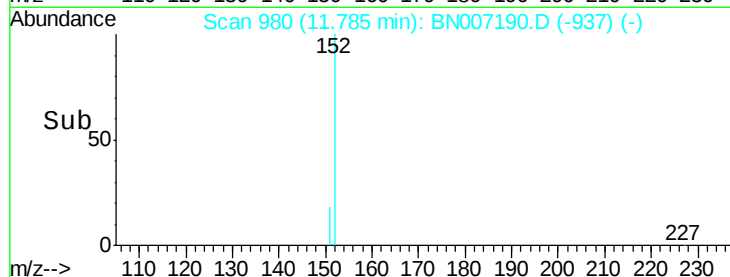
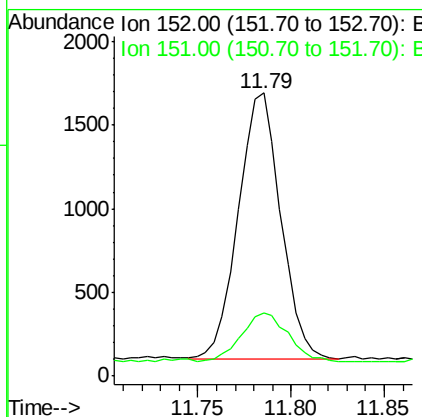
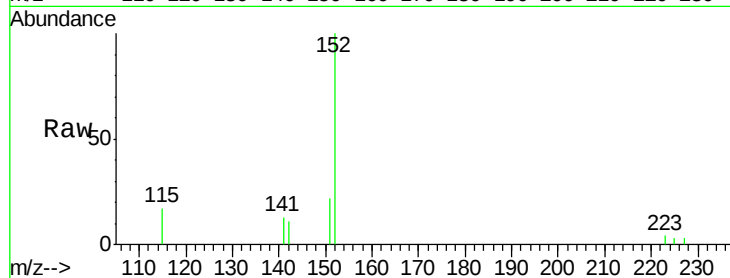
#10
2-Methylnaphthalene-d10
Concen: 0.047 ng
RT: 11.79 min Scan# 980
Delta R.T. -0.01 min
Lab File: BN007190.D
Acq: 15 Aug 2019 11:21

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW109-073119

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.8	15.5	23.3

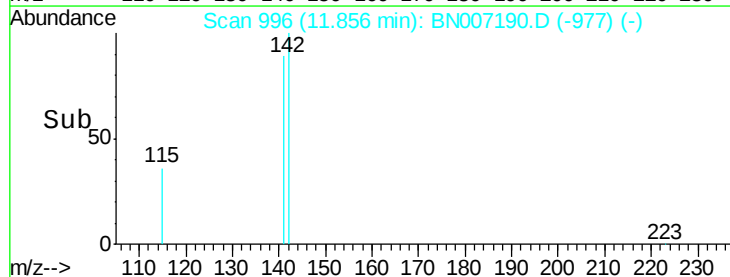
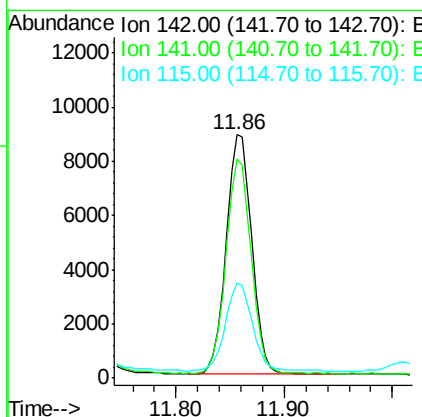
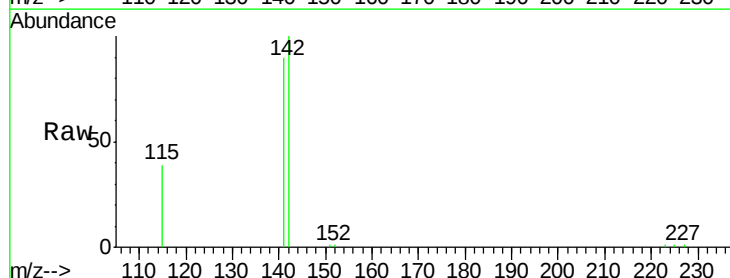
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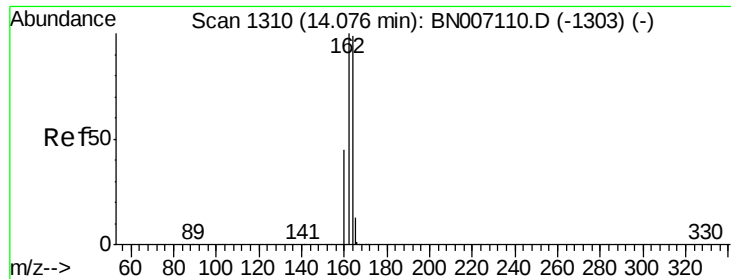
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#11
2-Methylnaphthalene
Concen: 0.256 ng
RT: 11.86 min Scan# 996
Delta R.T. -0.01 min
Lab File: BN007190.D
Acq: 15 Aug 2019 11:21

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.1	69.0	103.6
115	39.2	27.1	40.7





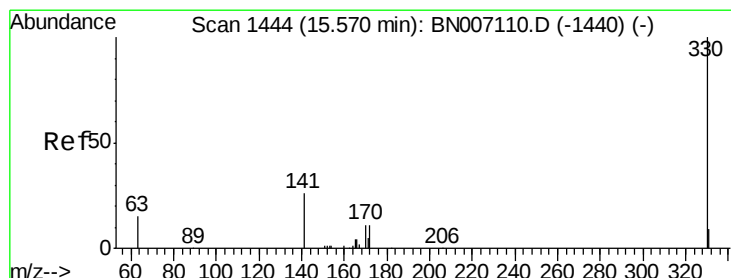
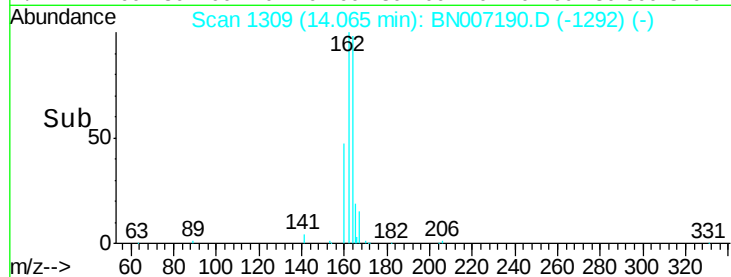
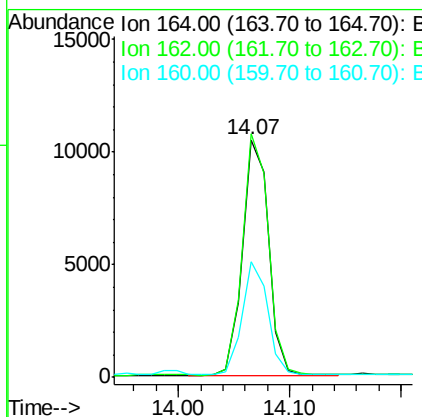
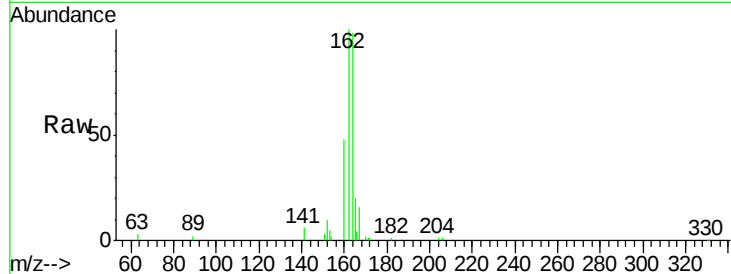
#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.07 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BN007190.D
Acq: 15 Aug 2019 11:21

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW109-073119

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.4	82.2	123.4
160	48.9	38.3	57.5

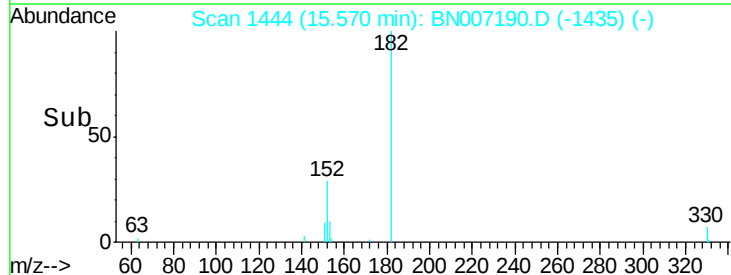
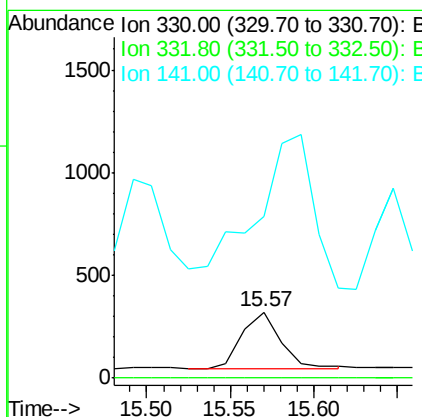
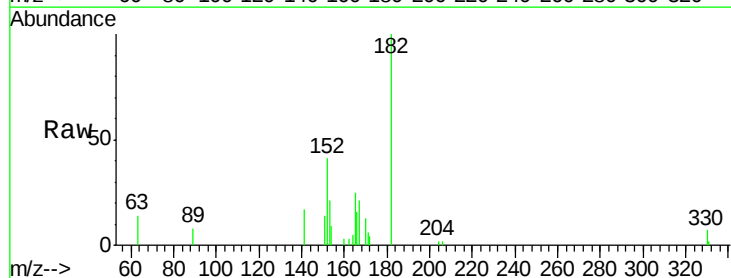
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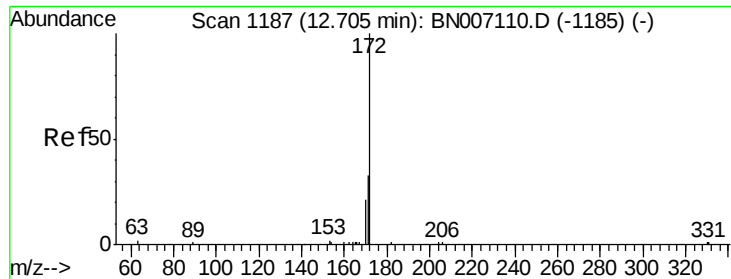
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#13
2,4,6-Tribromophenol
Concen: 0.049 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007190.D
Acq: 15 Aug 2019 11:21

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





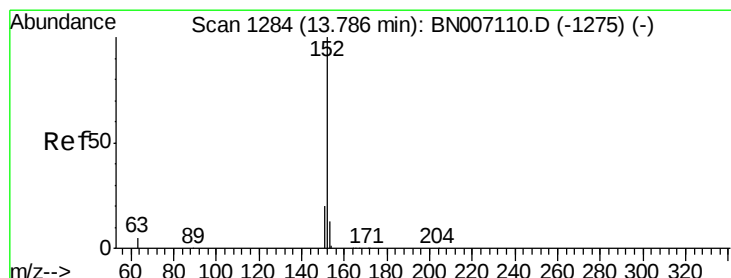
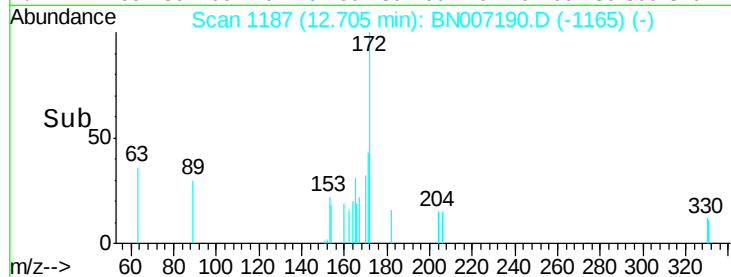
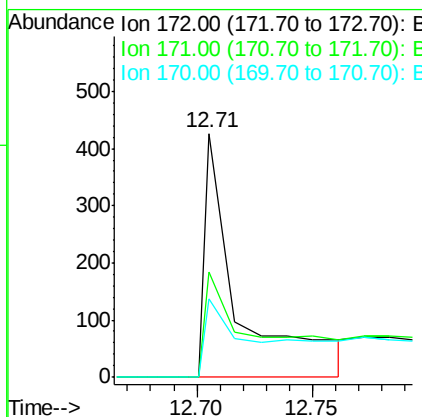
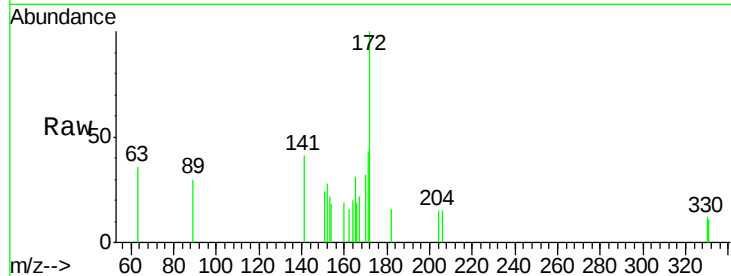
#14
2-Fluorobiphenyl
Concen: 0.018 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007190.D
Acq: 15 Aug 2019 11:21

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW109-073119

Tot Ion	Ratio	Lower	Upper
172	100		
171	43.4	26.3	39.5#
170	32.4	17.0	25.4#

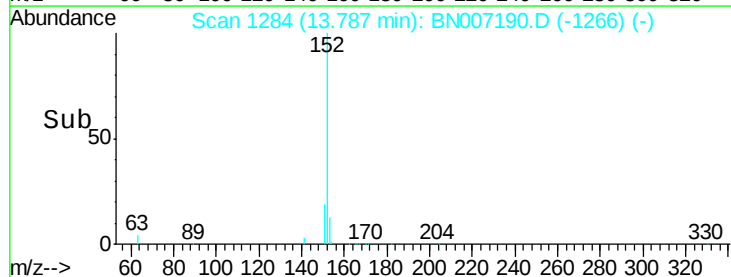
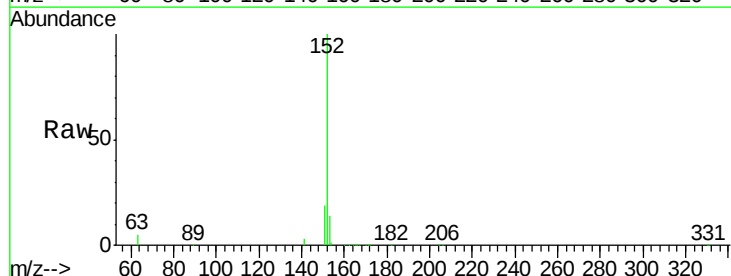
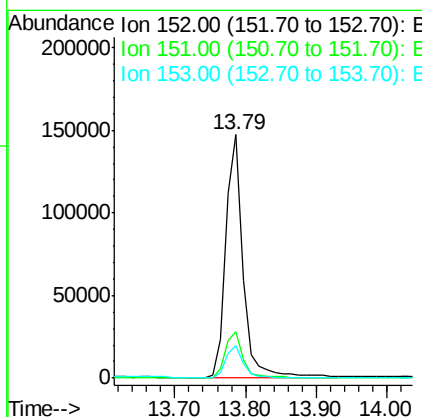
Manual Integrations
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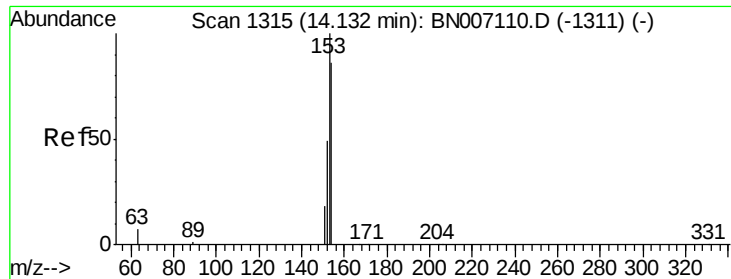
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#15
Acenaphthylene
Concen: 2.914 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007190.D
Acq: 15 Aug 2019 11:21

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.6
153	13.6	10.4	15.6





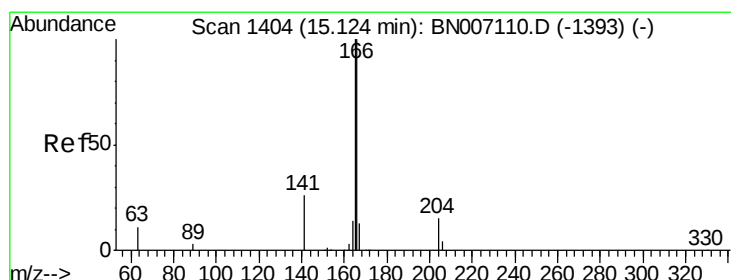
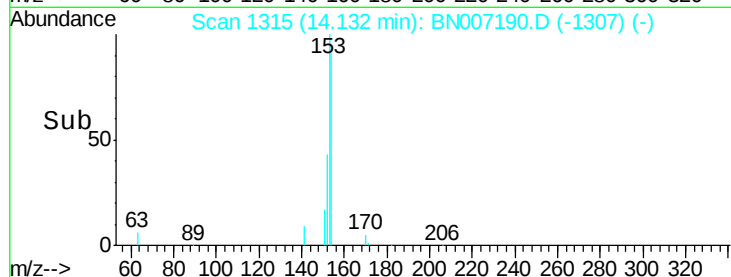
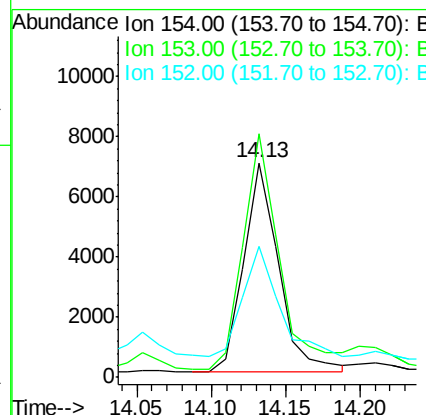
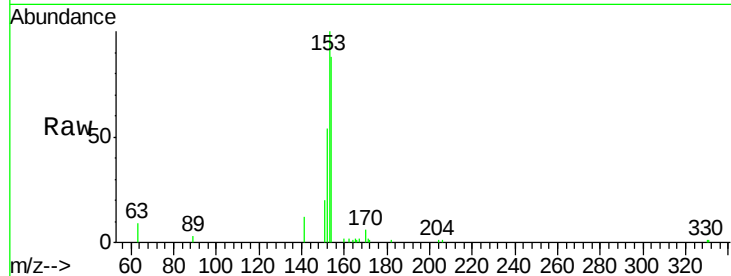
#16
Acenaphthene
Concen: 0.202 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007190.D
Acq: 15 Aug 2019 11:21

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW109-073119

Tot Ion	Ratio	Lower	Upper
154	100		
153	114.3	89.5	134.3
152	55.4	44.8	67.2

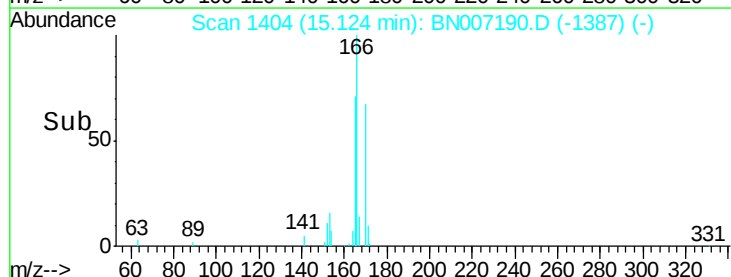
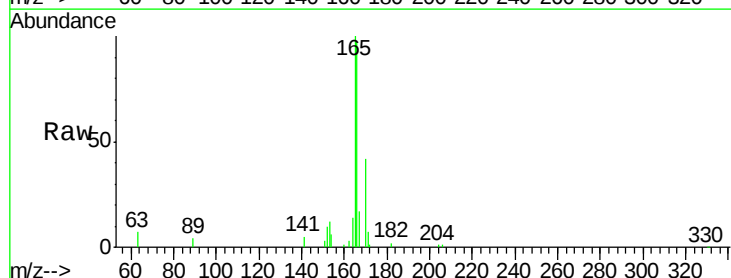
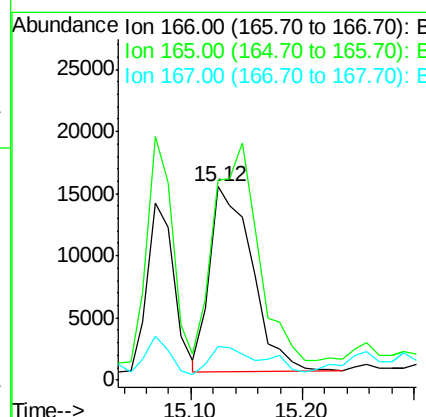
Manual Integrations
APPROVED

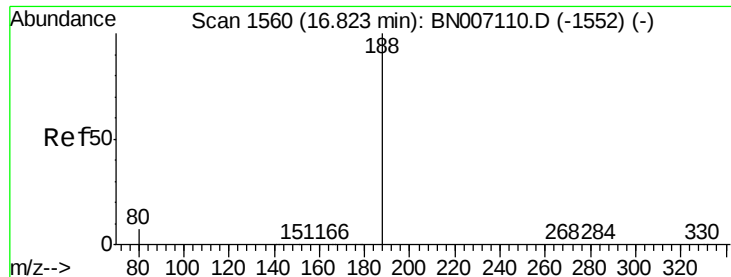
Jagrut
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#17
Fluorene
Concen: 0.463 ng
RT: 15.12 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BN007190.D
Acq: 15 Aug 2019 11:21

Tgt Ion	Ratio	Lower	Upper
166	100		
165	0.0	77.9	116.9#
167	18.9	10.9	16.3#





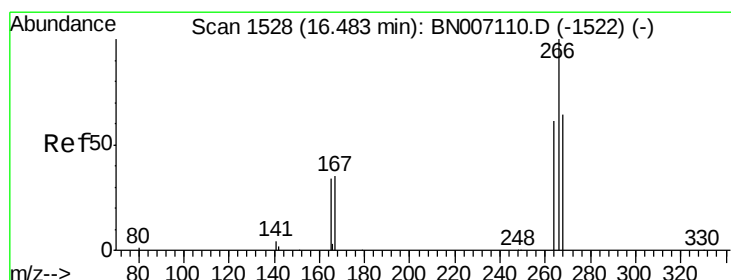
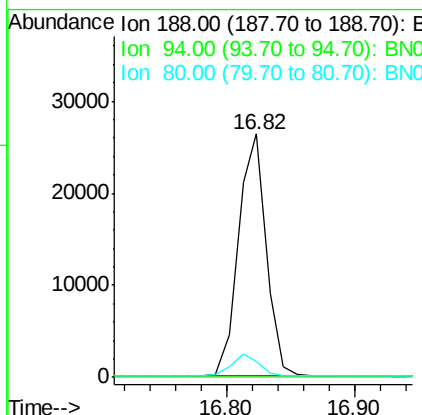
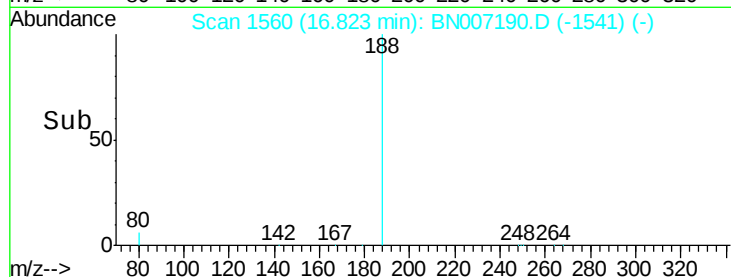
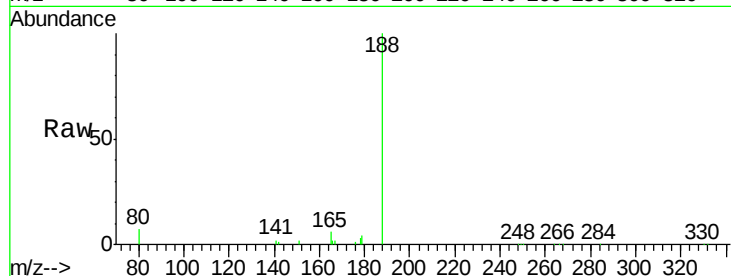
#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007190.D
Acq: 15 Aug 2019 11:21

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW109-073119

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.6	7.8	11.6#

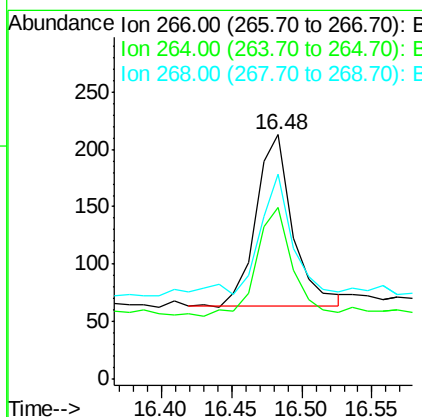
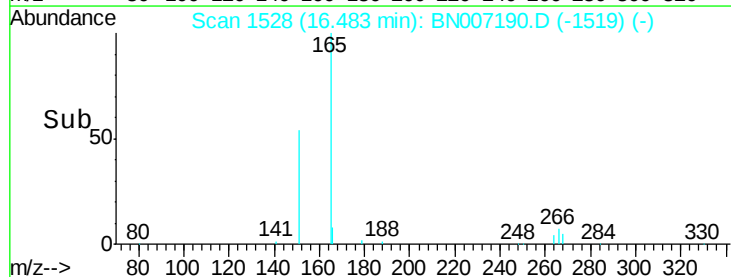
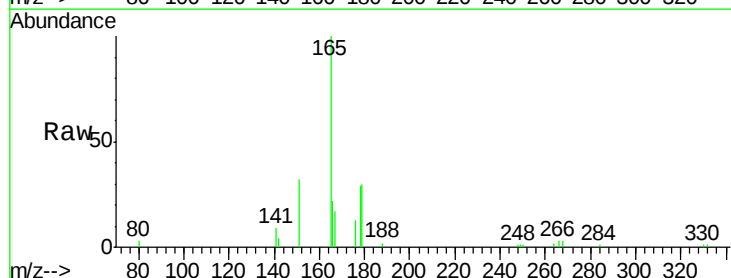
Manual Integrations
APPROVED

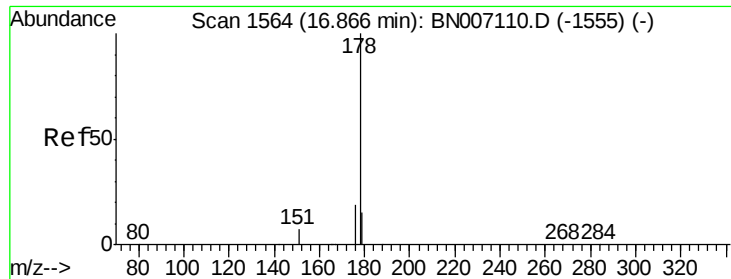
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#21
Pentachlorophenol
Concen: 0.031 ng
RT: 16.48 min Scan# 1528
Delta R.T. -0.00 min
Lab File: BN007190.D
Acq: 15 Aug 2019 11:21

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
264	70.0	52.3	78.5
268	84.0	51.5	77.3#





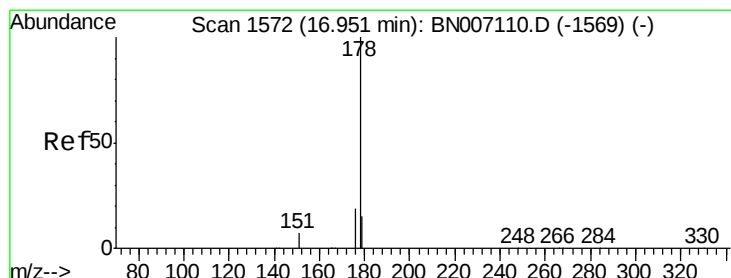
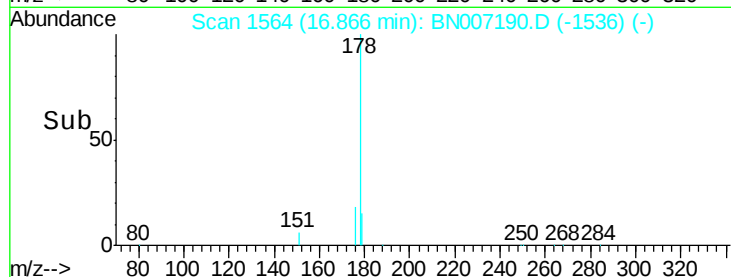
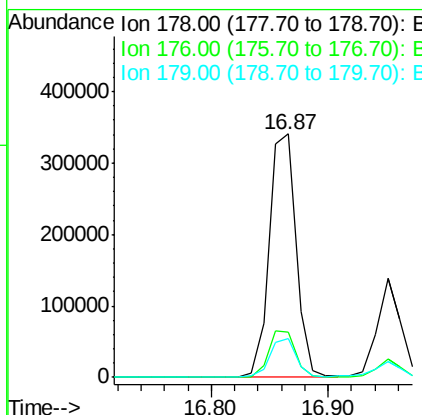
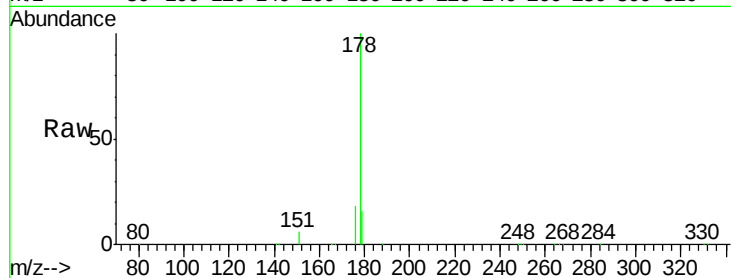
#22
Phenanthrene
Concen: 4.558 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007190.D
Acq: 15 Aug 2019 11:21

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW109-073119

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.2	22.8
179	15.7	12.3	18.5

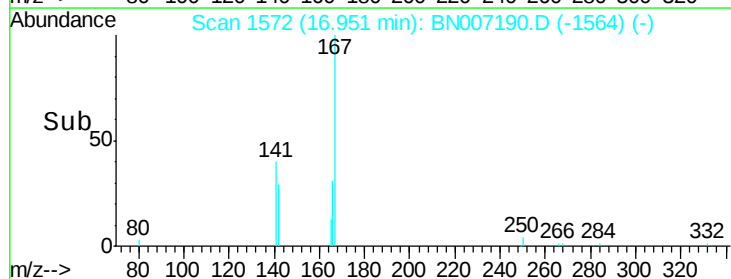
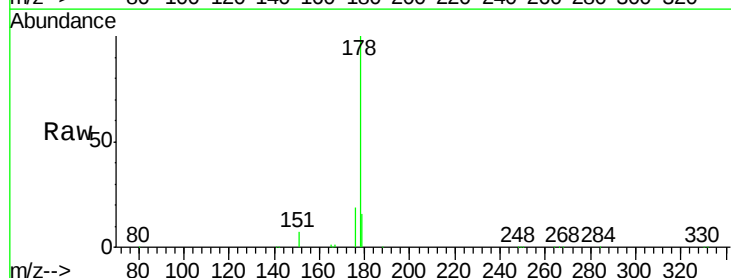
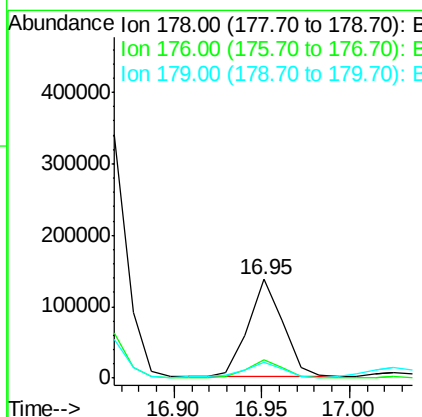
Manual Integrations
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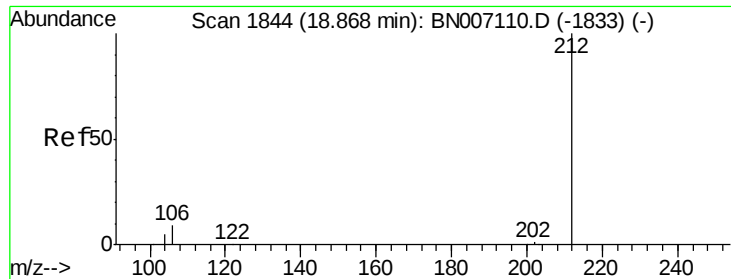
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#23
Anthracene
Concen: 1.743 ng
RT: 16.95 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BN007190.D
Acq: 15 Aug 2019 11:21

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	21.8
179	16.4	12.5	18.7





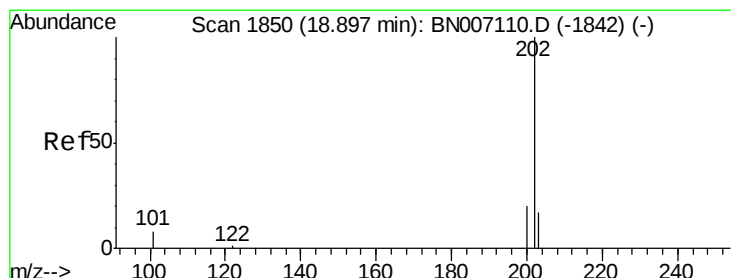
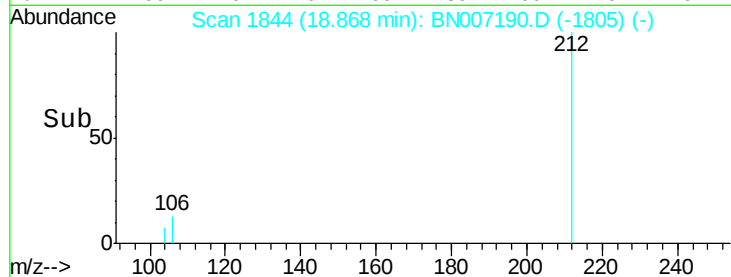
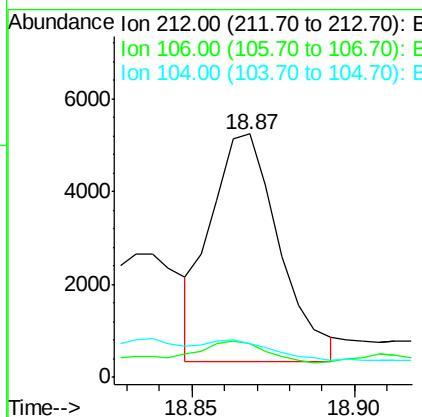
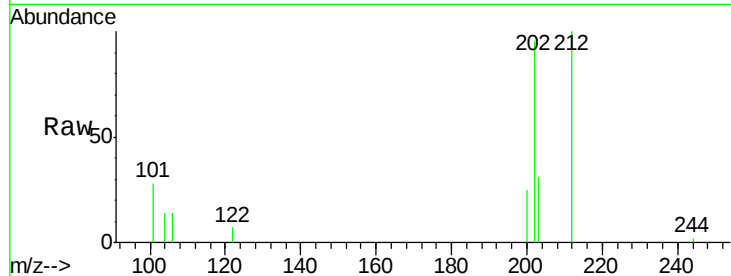
#24
 Fluoranthene-d10
 Concen: 0.051 ng m
 RT: 18.87 min Scan# 1844
 Delta R.T. -0.01 min
 Lab File: BN007190.D
 Acq: 15 Aug 2019 11:21

Instrument :
 BNA_N
 ClientSampleId :
 EXT-008-SW109-073119

Tot Ion	Ratio	Resp	Lower	Upper
212	100	7139		
106	4.3		8.2	12.2#
104	2.7		4.5	6.7#

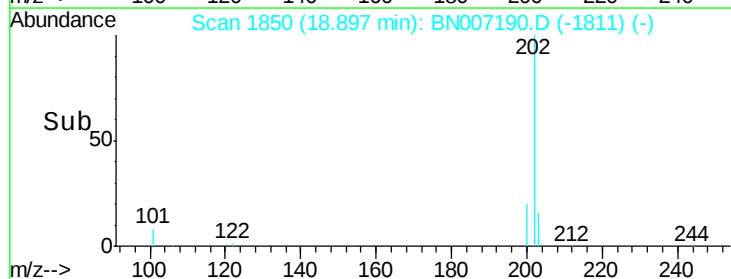
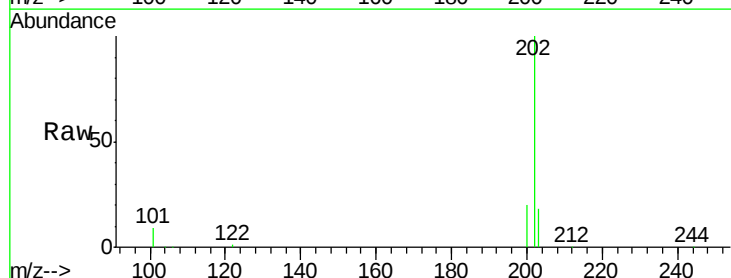
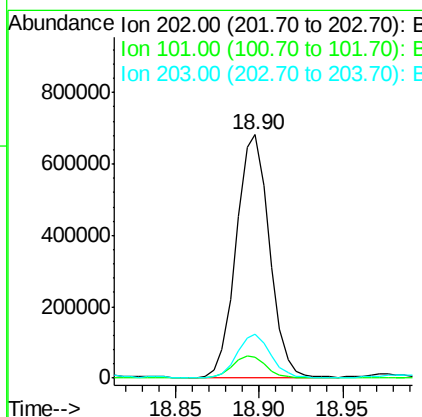
Manual Integrations
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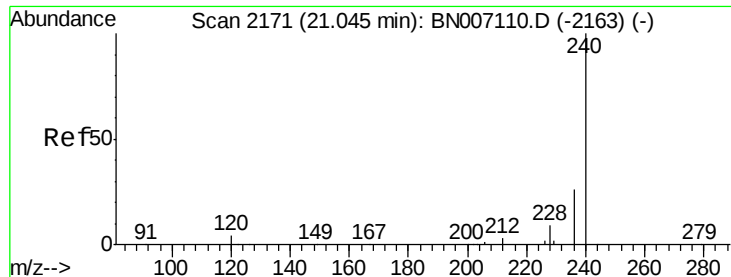
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#25
 Fluoranthene
 Concen: 6.161 ng
 RT: 18.90 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BN007190.D
 Acq: 15 Aug 2019 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	938884		
101	9.1		7.0	10.4
203	18.0		13.8	20.8





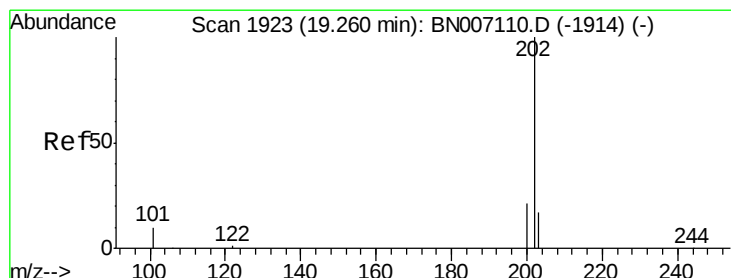
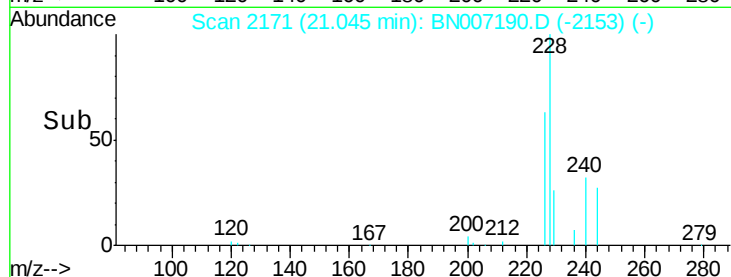
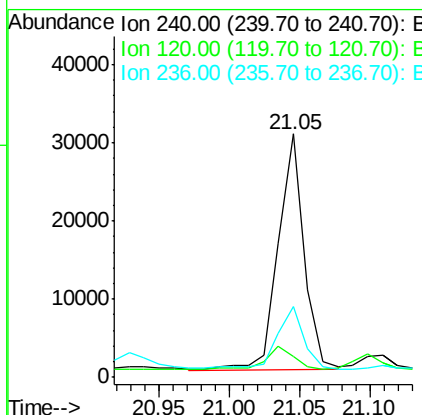
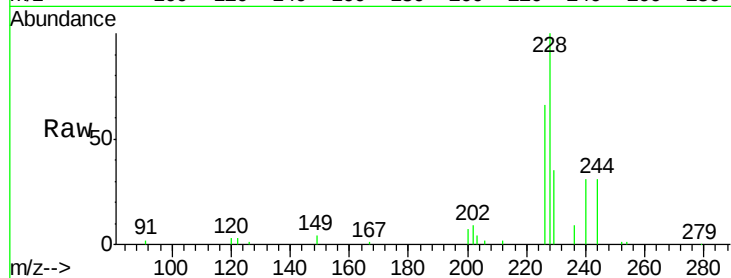
#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007190.D
Acq: 15 Aug 2019 11:21

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW109-073119

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.8	4.0	6.0#
236	29.0	21.3	31.9

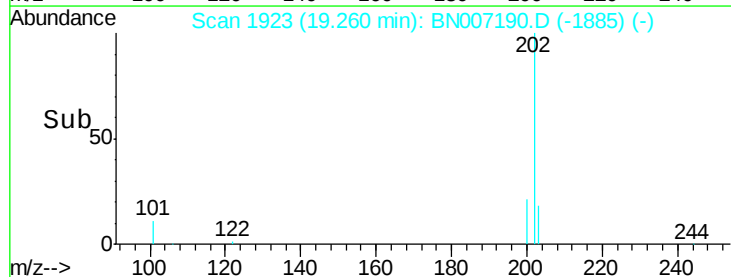
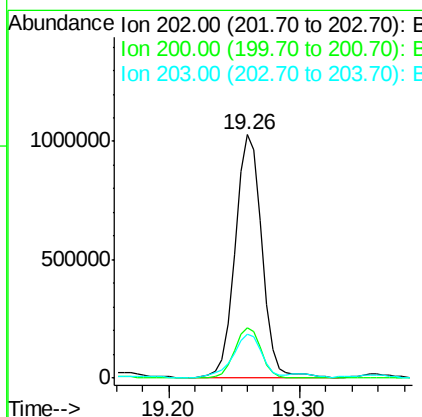
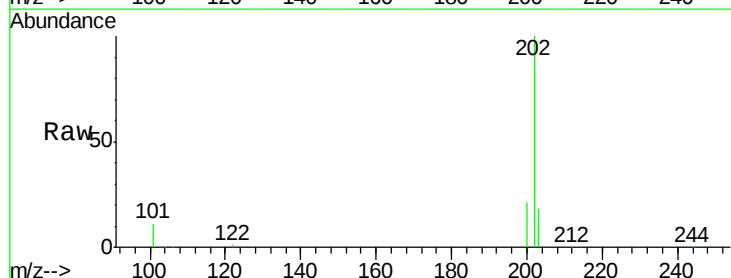
Manual Integrations
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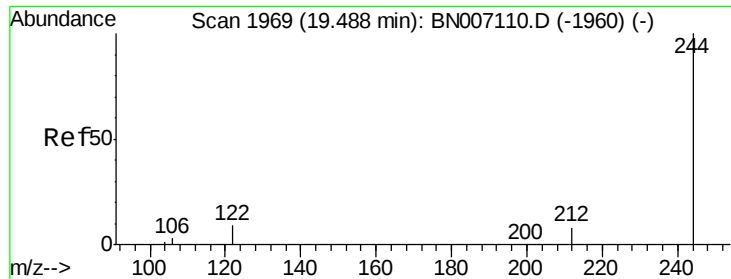
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#27
Pyrene
Concen: 10.658 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007190.D
Acq: 15 Aug 2019 11:21

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	24.8
203	19.5	14.0	21.0





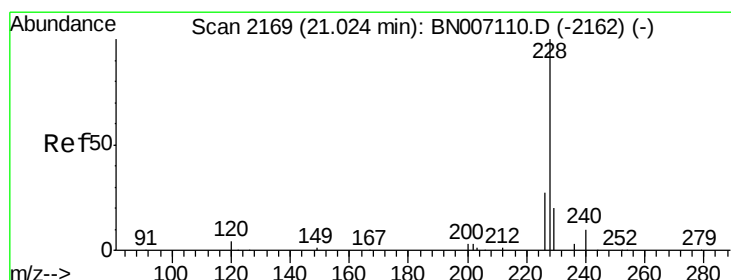
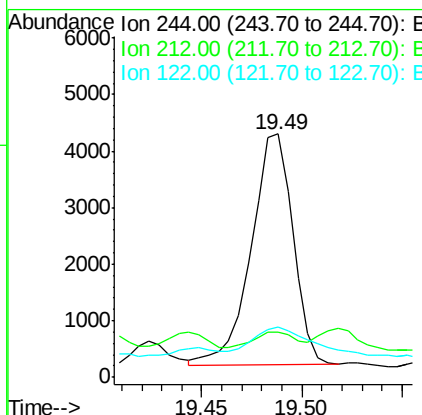
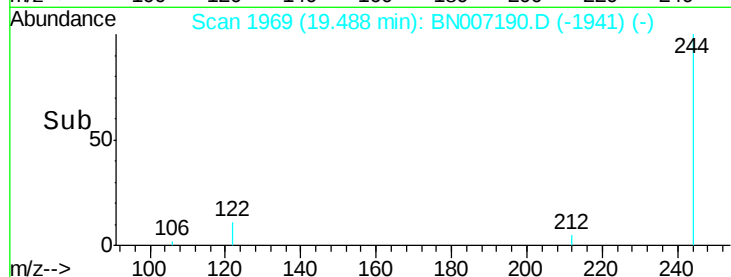
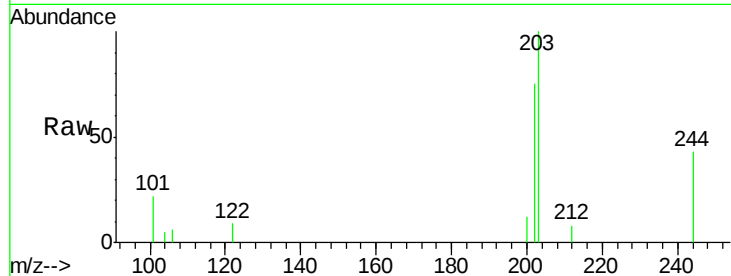
#28
 Terphenyl-d14
 Concen: 0.056 ng
 RT: 19.49 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: BN007190.D
 Acq: 15 Aug 2019 11:21

Instrument :
 BNA_N
 ClientSampleId :
 EXT-008-SW109-073119

Tot Ion	Ratio	Lower	Upper
244	100		
212	18.6	6.2	9.2#
122	20.6	7.4	11.2#

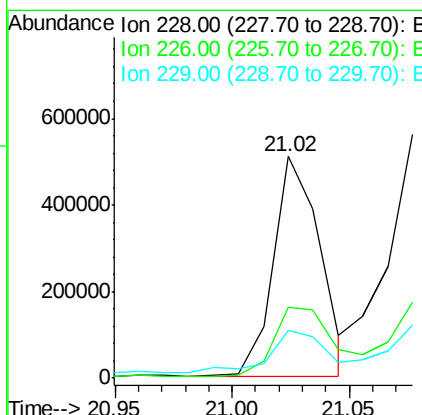
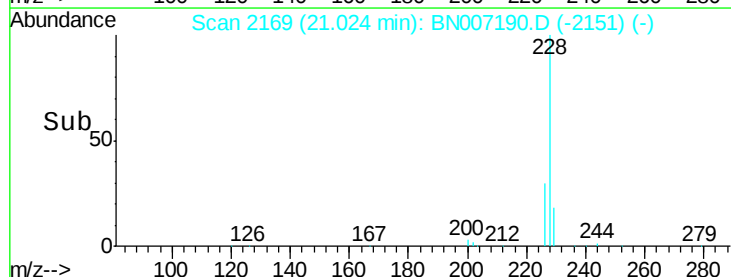
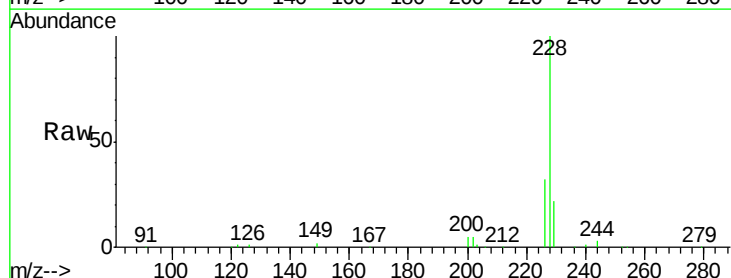
Manual Integrations
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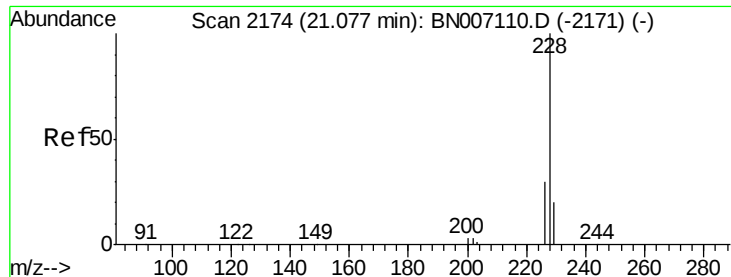
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#29
 Benzo(a)anthracene
 Concen: 4.930 ng
 RT: 21.02 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: BN007190.D
 Acq: 15 Aug 2019 11:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	21.8	32.6
229	21.8	15.6	23.4





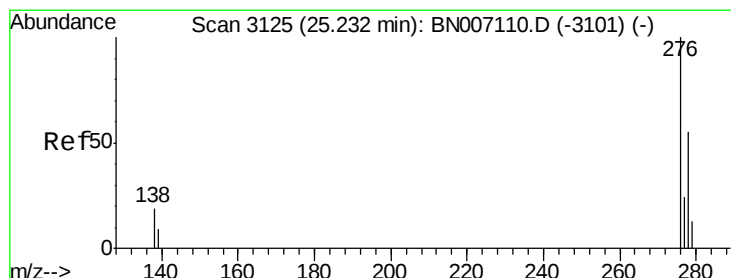
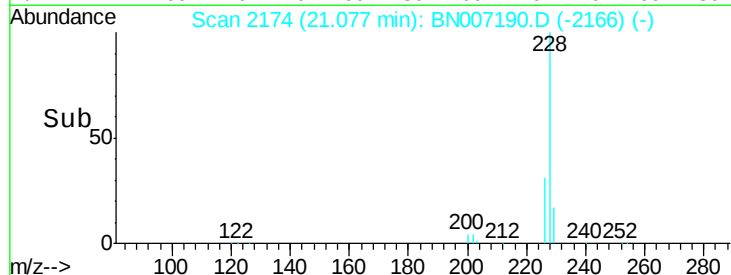
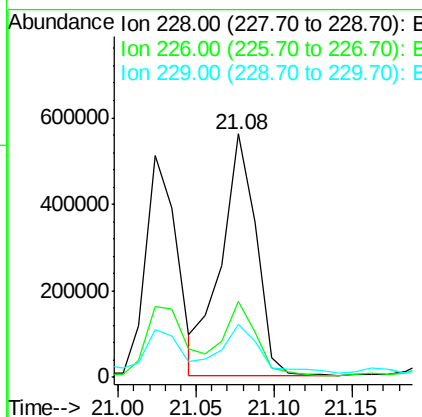
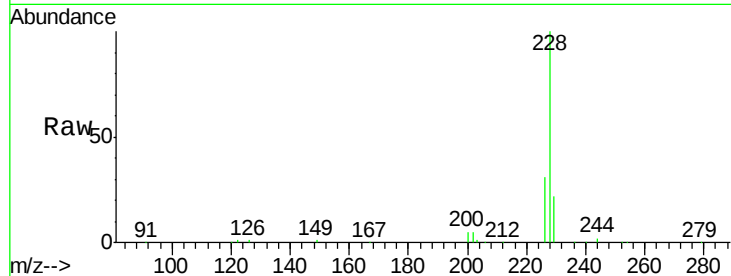
#30
Chrysene
Concen: 6.192 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007190.D
Acq: 15 Aug 2019 11:21

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW109-073119

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.8	35.6
229	21.7	15.7	23.5

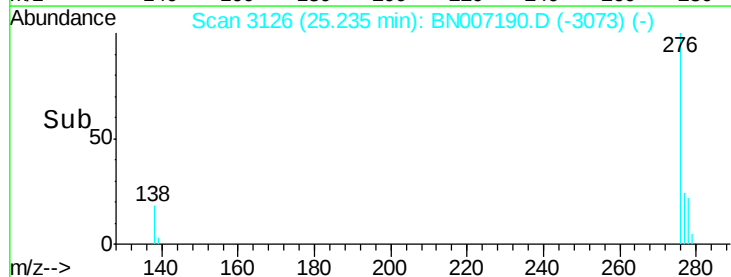
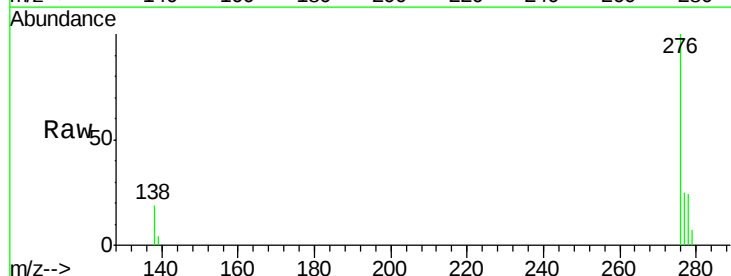
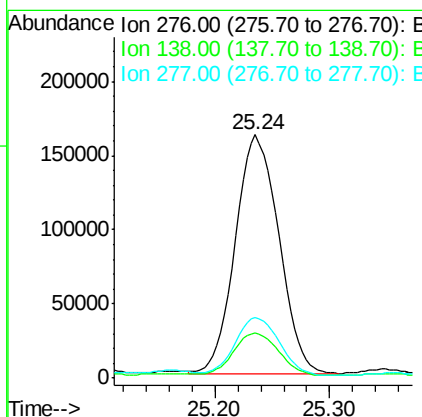
Manual Integrations
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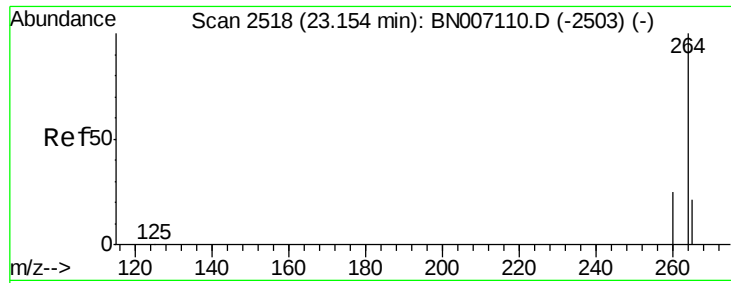
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#31
Indeno(1,2,3-cd)pyrene
Concen: 2.756 ng
RT: 25.24 min Scan# 3126
Delta R.T. -0.02 min
Lab File: BN007190.D
Acq: 15 Aug 2019 11:21

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.7	16.0	24.0
277	24.9	19.9	29.9





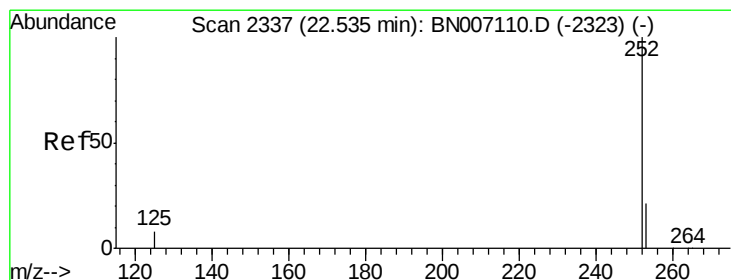
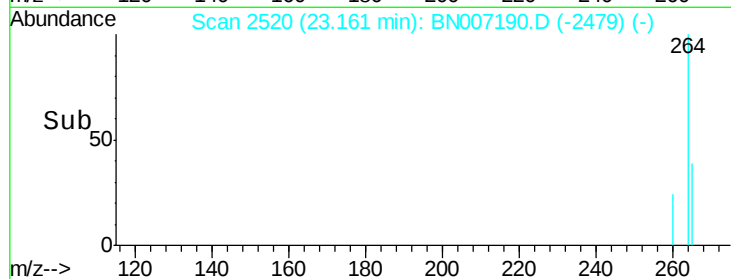
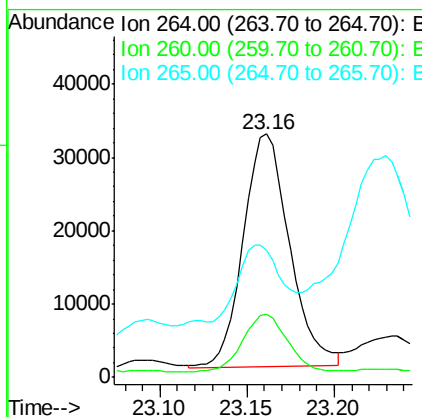
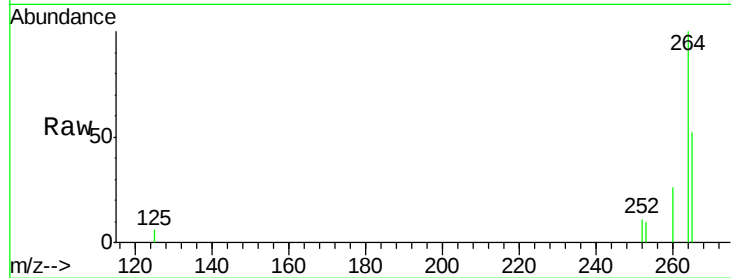
#32
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.16 min Scan# 2520
 Delta R.T. -0.01 min
 Lab File: BN007190.D
 Acq: 15 Aug 2019 11:21

Instrument :
 BNA_N
 ClientSampleId :
 EXT-008-SW109-073119

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.9	19.8	29.8
265	52.0	26.2	39.4

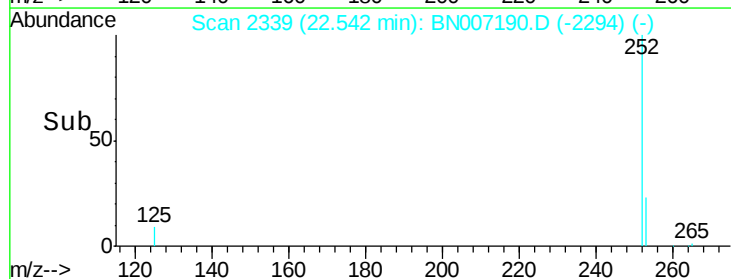
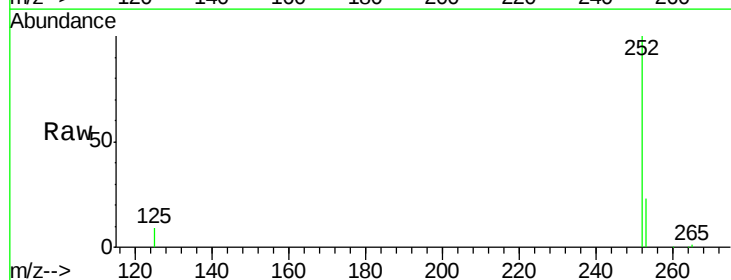
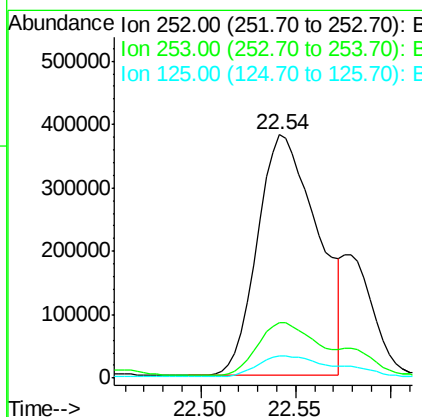
Manual Integrations
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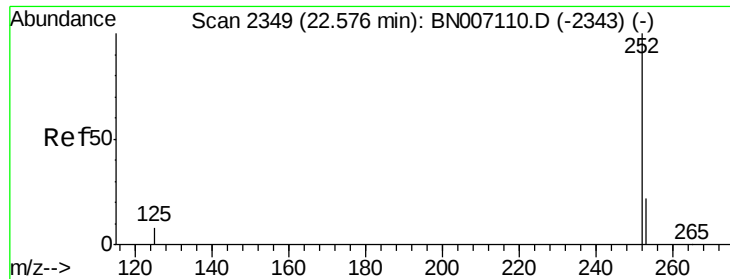
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#33
 Benzo(b)fluoranthene
 Concen: 4.179 ng
 RT: 22.54 min Scan# 2339
 Delta R.T. -0.01 min
 Lab File: BN007190.D
 Acq: 15 Aug 2019 11:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	9.1	7.4	11.0





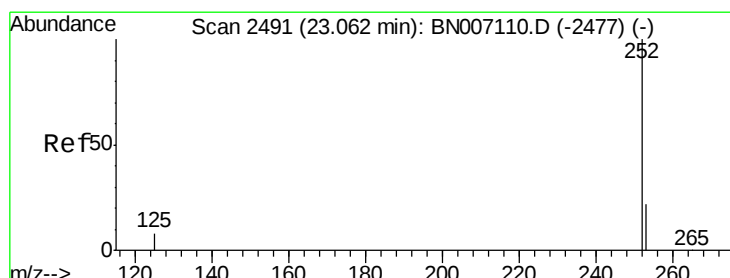
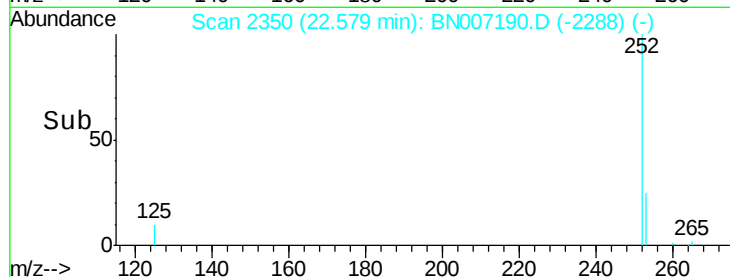
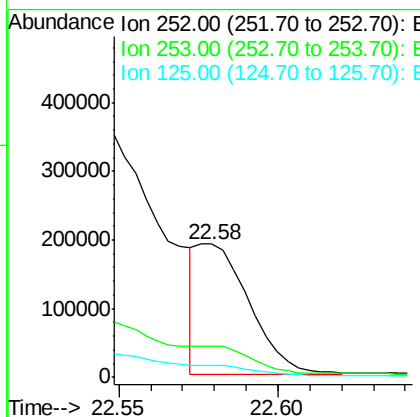
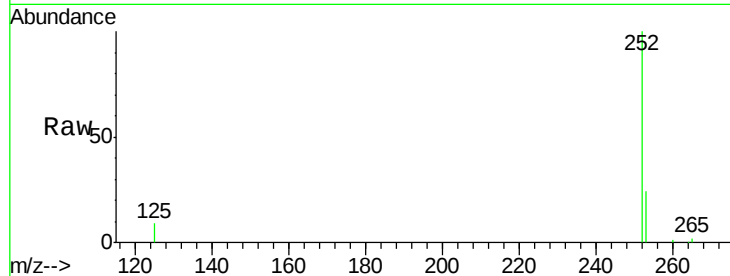
#34
Benzo(k)fluoranthene
Concen: 1.092 ng m
RT: 22.58 min Scan# 2350
Delta R.T. -0.01 min
Lab File: BN007190.D
Acq: 15 Aug 2019 11:21

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW109-073119

Tot Ion	Ratio	Resp	Lower	Upper
252	100	216792		
253	23.8	18.1	27.1	
125	9.3	7.4	11.0	

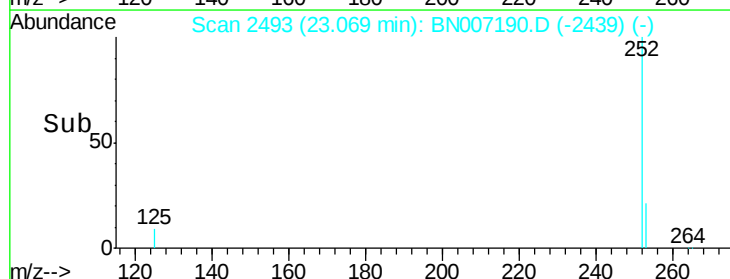
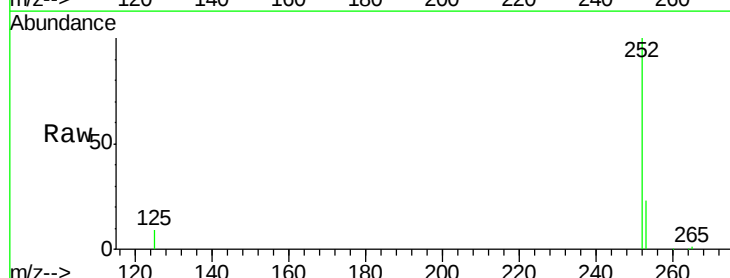
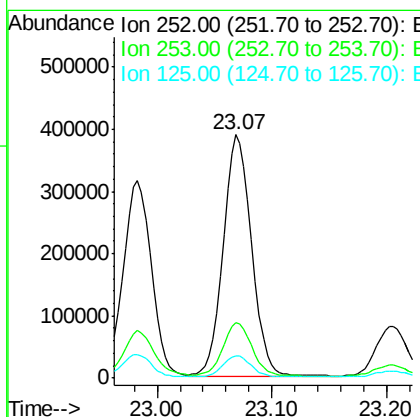
Manual Integrations
APPROVED

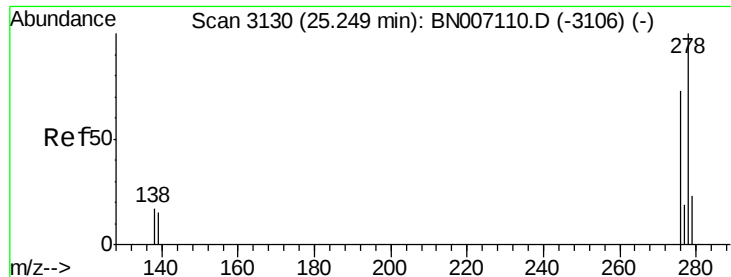
Jagrut
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#35
Benzo(a)pyrene
Concen: 3.667 ng
RT: 23.07 min Scan# 2493
Delta R.T. -0.01 min
Lab File: BN007190.D
Acq: 15 Aug 2019 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	668375		
253	22.9	18.5	27.7	
125	9.3	8.2	12.4	





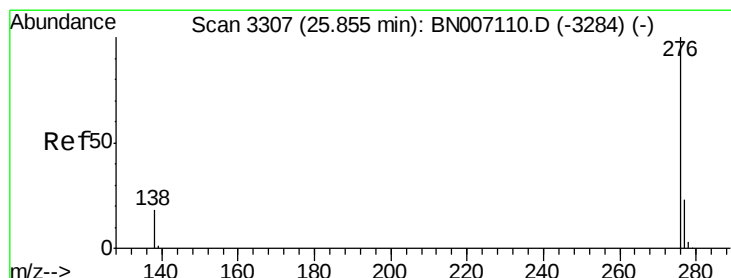
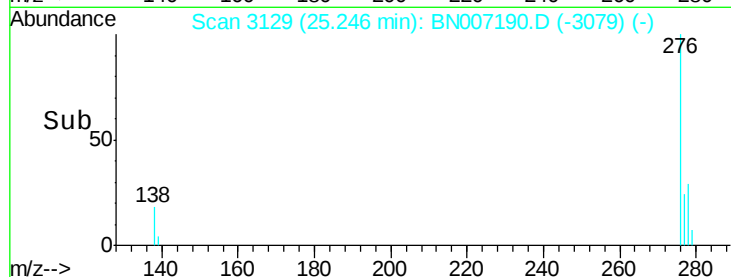
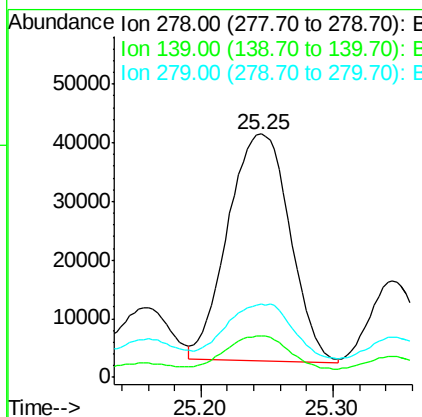
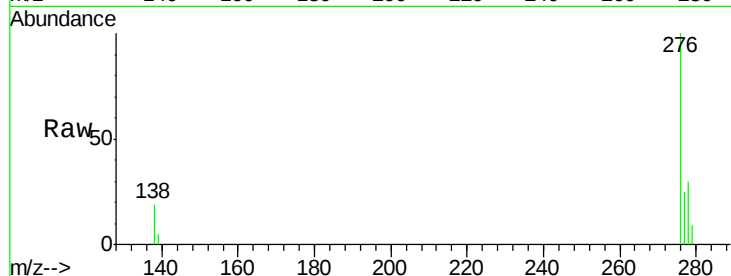
#36
Dibenzo(a,h)anthracene
Concen: 0.696 ng
RT: 25.25 min Scan# 3129
Delta R.T. -0.03 min
Lab File: BN007190.D
Acq: 15 Aug 2019 11:21

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW109-073119

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.0	11.3	16.9#
279	29.9	19.3	28.9#

Manual Integrations
APPROVED

Jagrut
8/16/2019 6:11:10 PM



#37
Benzo(g,h,i)perylene
Concen: 2.626 ng
RT: 25.87 min Scan# 3311
Delta R.T. -0.01 min
Lab File: BN007190.D
Acq: 15 Aug 2019 11:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.8	29.8
138	18.9	14.6	22.0

