

Data File : BN007196.D
Acq On : 15 Aug 2019 14:57
Operator : HP/JU
Sample : K4173-11DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW175-073119DL

Manual Integrations
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8/16/2019 6:11:25 PM

Quant Time: Aug 16 06:54:40 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	8261	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	32081	0.40	ng	0.00
12) Acenaphthene-d10	14.07	164	18515	0.40	ng	-0.01
18) Phenanthrene-d10	16.82	188	44487	0.40	ng	0.00
26) Chrysene-d12	21.05	240	45424	0.40	ng	-0.01
32) Perylene-d12	23.16	264	50776	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.05	112	803	0.04	ng	0.00
4) Phenol-d6	6.61	99	1037	0.04	ng	0.00
7) Nitrobenzene-d5	8.55	82	911	0.04	ng	-0.01
10) 2-Methylnaphthalene-d10	11.79	152	1875	0.03	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	296	0.03	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	483	0.02	ng	0.00
24) Fluoranthene-d10	18.86	212	6028	0.04	ng	0.00
28) Terphenyl-d14	19.48	244	3642	0.03	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Naphthalene	10.23	128	5856	0.065	ng	# 93
11) 2-Methylnaphthalene	11.86	142	3410	0.054	ng	# 93
15) Acenaphthylene	13.79	152	62902	0.650	ng	100
16) Acenaphthene	14.13	154	7391	0.119	ng	95
17) Fluorene	15.12	166	13785	0.149	ng	83
22) Phenanthrene	16.87	178	302423	2.268	ng	100
23) Anthracene	16.95	178	49339	0.405	ng	97
25) Fluoranthene	18.89	202	551359	3.233	ng	99
27) Pyrene	19.26	202	806243	5.061	ng	97
29) Benzo(a)anthracene	21.02	228	322813m	1.943	ng	
30) Chrysene	21.08	228	430411	2.667	ng	98
31) Indeno(1,2,3-cd)pyrene	25.23	276	188085	1.057	ng	99
33) Benzo(b)fluoranthene	22.53	252	383080m	2.200	ng	
34) Benzo(k)fluoranthene	22.57	252	86854m	0.505	ng	
35) Benzo(a)pyrene	23.07	252	302613	1.917	ng	99
36) Dibenzo(a,h)anthracene	25.24	278	54182	0.344	ng	# 87
37) Benzo(g,h,i)perylene	25.86	276	208577	1.287	ng	99

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

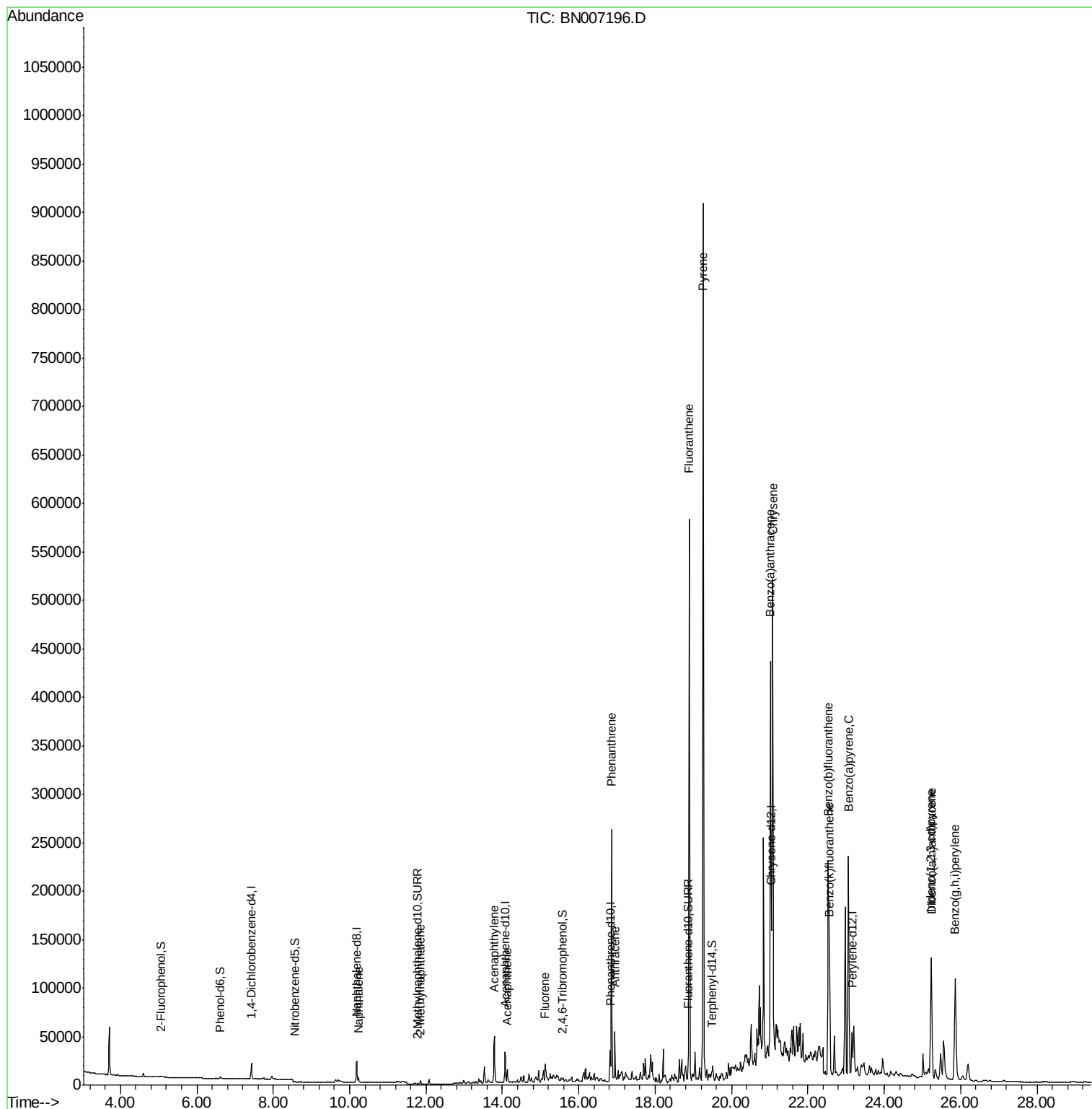
Data File : BN007196.D
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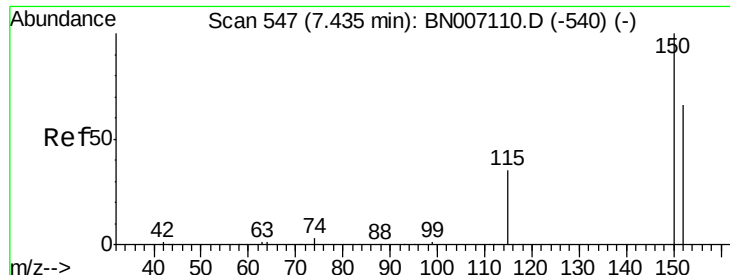
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EXT-032-SW175-073119DL

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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

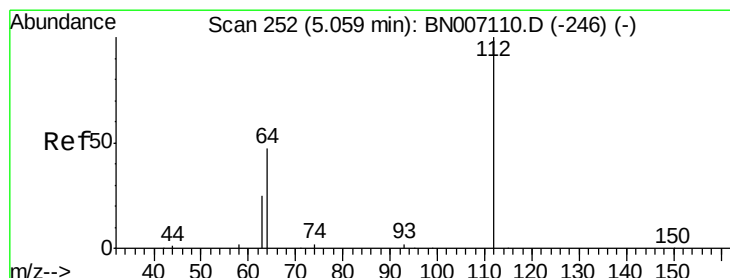
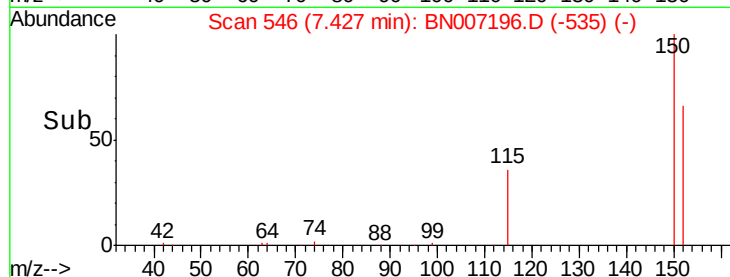
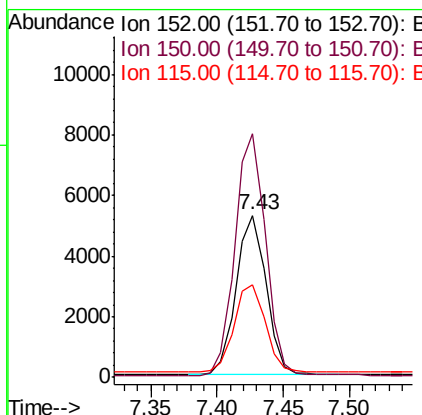
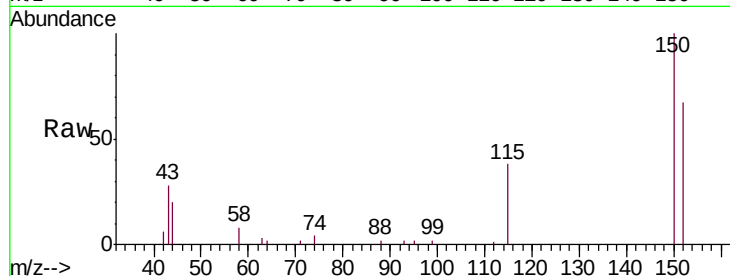
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007196.D
Acq: 15 Aug 2019 14:57

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW175-073119DL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	150.2	121.7	182.5
115	57.4	46.2	69.4

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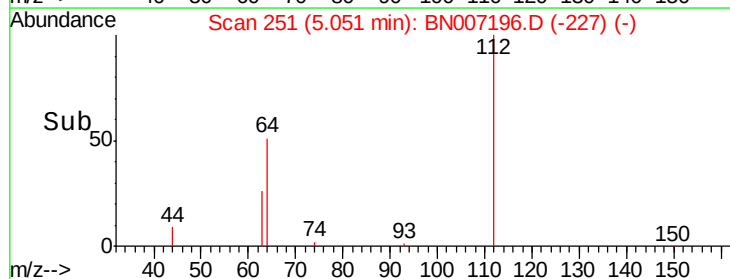
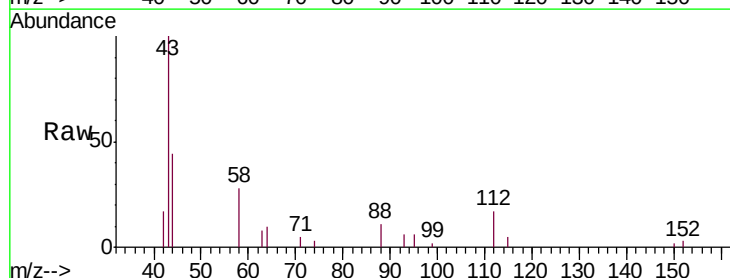
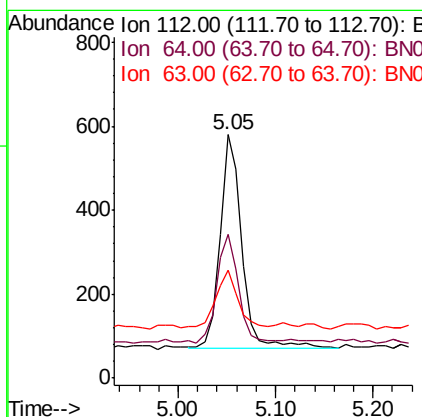
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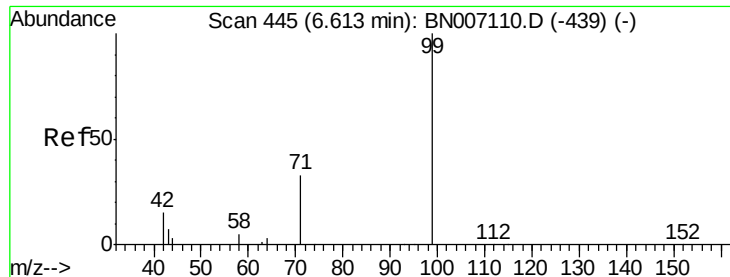


#3

2-Fluorophenol
Concen: 0.040 ng
RT: 5.05 min Scan# 251
Delta R.T. -0.01 min
Lab File: BN007196.D
Acq: 15 Aug 2019 14:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.1	42.6	63.8
63	29.0	22.2	33.2





#4

Phenol-d6

Concen: 0.042 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007196.D

Acq: 15 Aug 2019 14:57

Instrument :

BNA_N

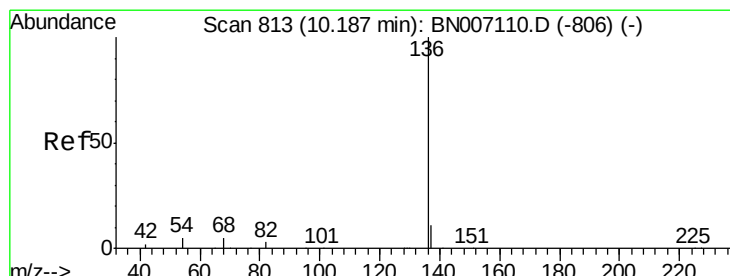
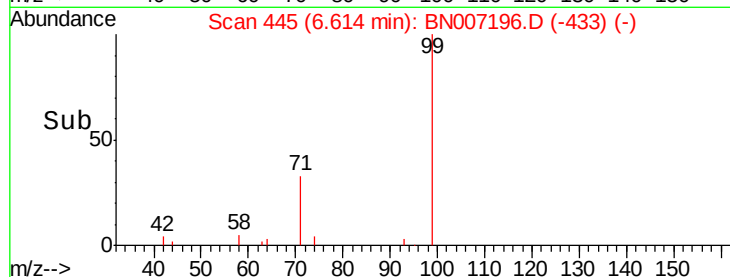
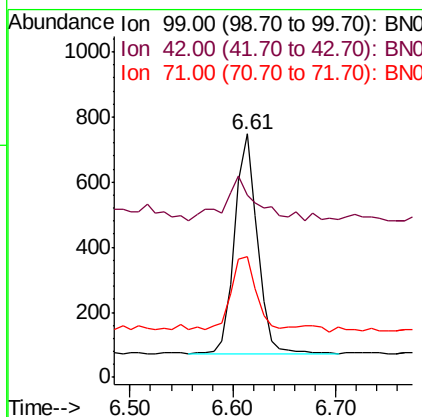
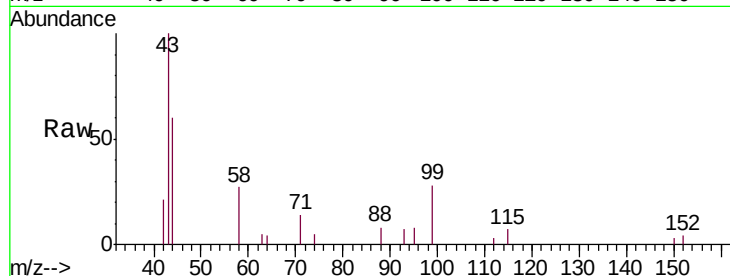
ClientSampleId :

EXT-032-SW175-073119DL

Tgt Ion:	99	Resp:	1037
Ion Ratio	Lower	Upper	
99	100		
42	26.7	15.8	23.6#
71	36.4	27.0	40.4

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#6

Naphthalene-d8

Concen: 0.400 ng

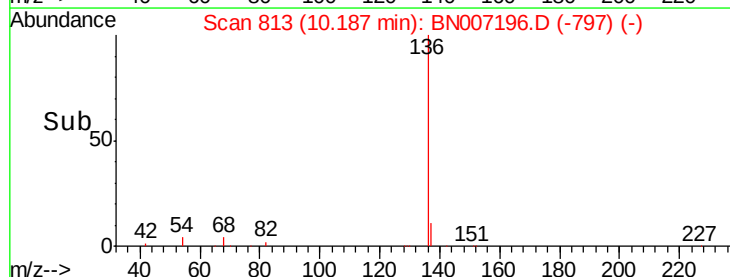
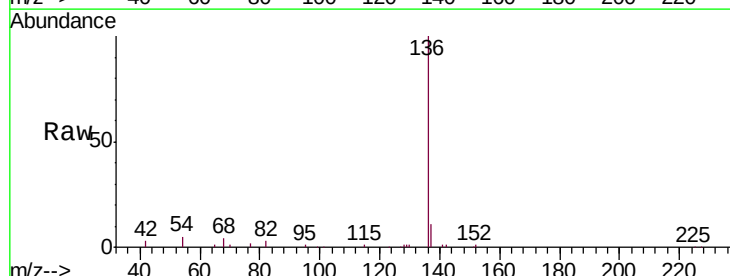
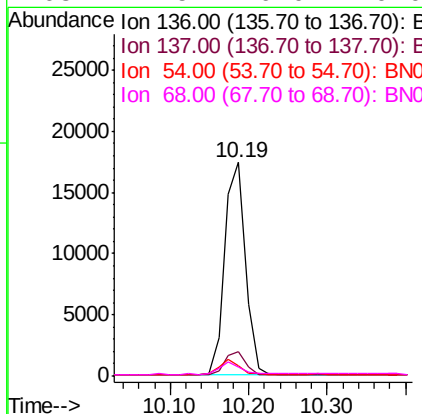
RT: 10.19 min Scan# 813

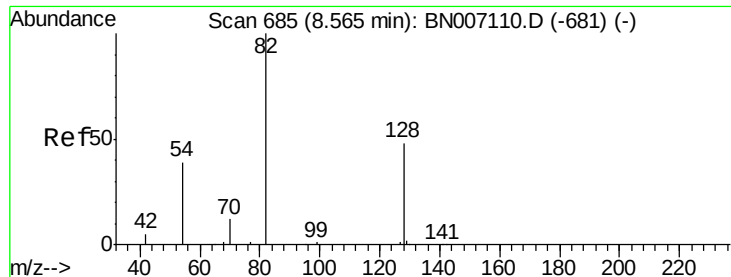
Delta R.T. -0.00 min

Lab File: BN007196.D

Acq: 15 Aug 2019 14:57

Tgt Ion:	136	Resp:	32081
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.4	14.0
54	4.6	6.6	9.8#
68	4.5	6.0	9.0#





#7

Nitrobenzene-d5

Concen: 0.035 ng

RT: 8.55 min Scan# 684

Delta R.T. -0.01 min

Lab File: BN007196.D

Acq: 15 Aug 2019 14:57

Instrument :

BNA_N

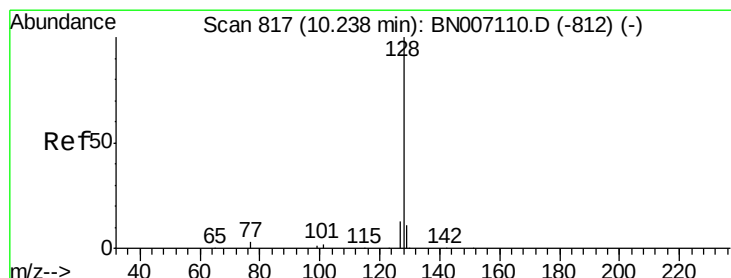
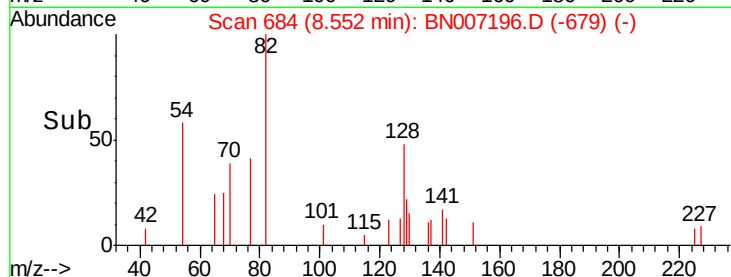
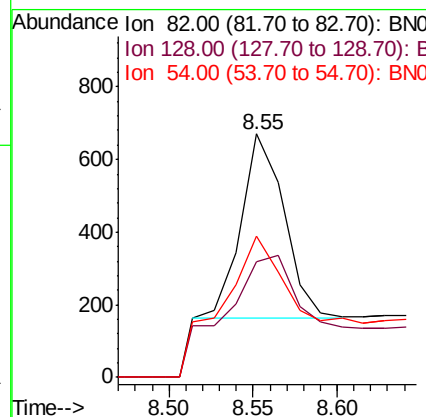
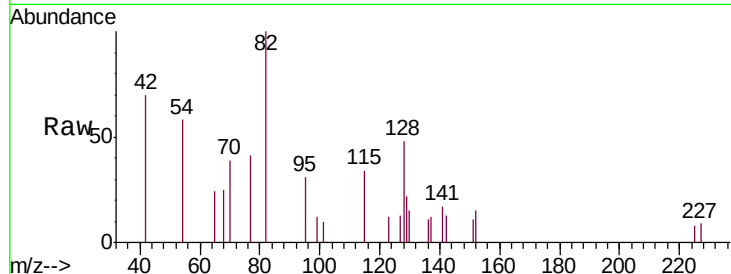
ClientSampleId :

EXT-032-SW175-073119DL

Tgt Ion:	82	Resp:	911
Ion Ratio	Lower	Upper	
82	100		
128	47.5	34.6	51.8
54	57.8	36.2	54.4#

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#8

Naphthalene

Concen: 0.065 ng

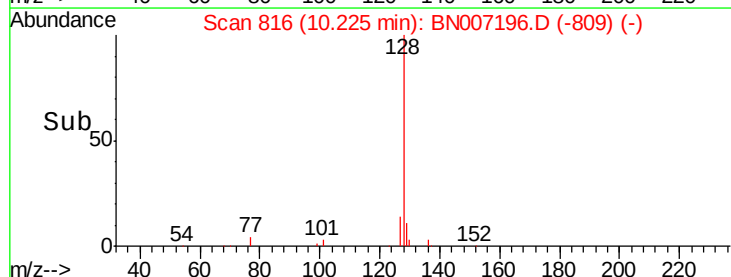
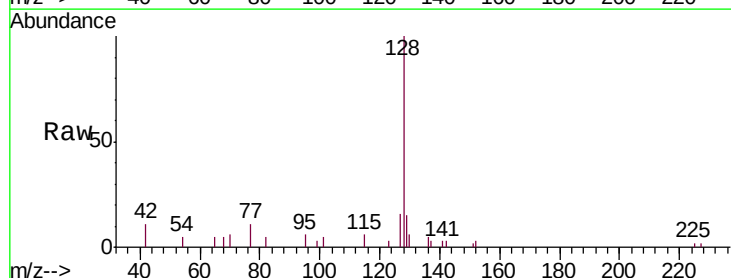
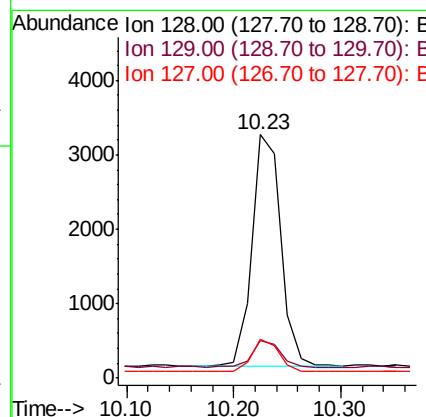
RT: 10.23 min Scan# 816

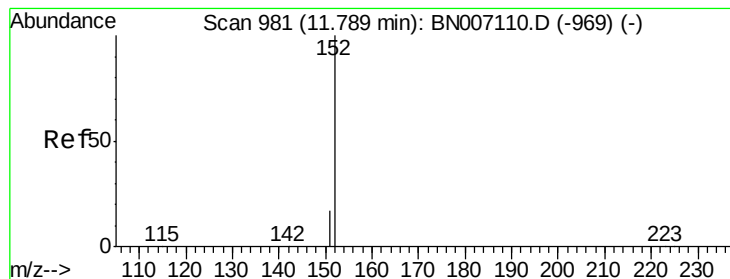
Delta R.T. -0.01 min

Lab File: BN007196.D

Acq: 15 Aug 2019 14:57

Tgt Ion:	128	Resp:	5856
Ion Ratio	Lower	Upper	
128	100		
129	15.3	9.4	14.2#
127	15.9	11.0	16.6





#10

2-Methylnaphthalene-d10

Concen: 0.031 ng

RT: 11.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BN007196.D

Acq: 15 Aug 2019 14:57

Instrument :

BNA_N

ClientSampleId :

EXT-032-SW175-073119DL

Tgt Ion:152 Resp: 1875

Ion Ratio Lower Upper

152 100

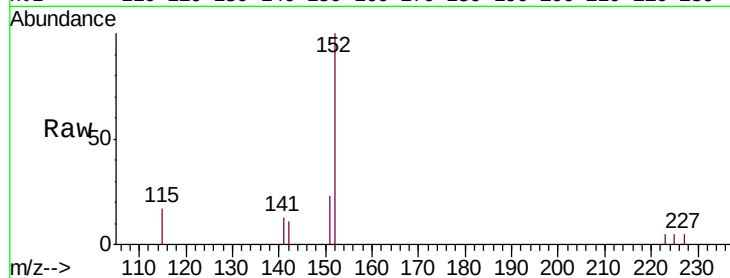
151 19.6 15.5 23.3

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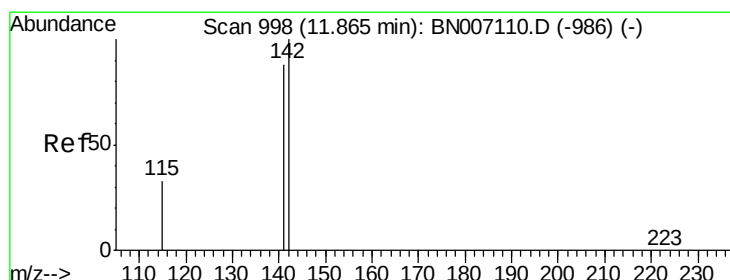
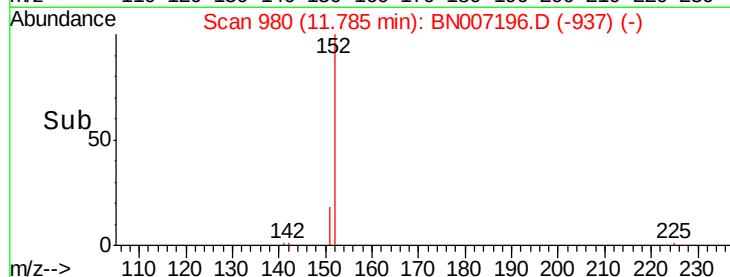
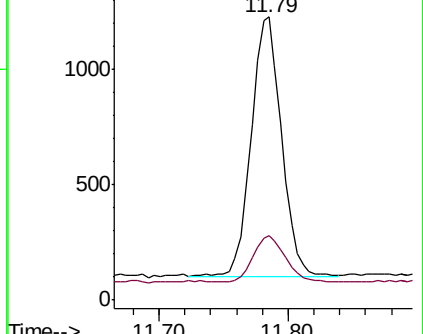
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#11

2-Methylnaphthalene

Concen: 0.054 ng

RT: 11.86 min Scan# 996

Delta R.T. -0.01 min

Lab File: BN007196.D

Acq: 15 Aug 2019 14:57

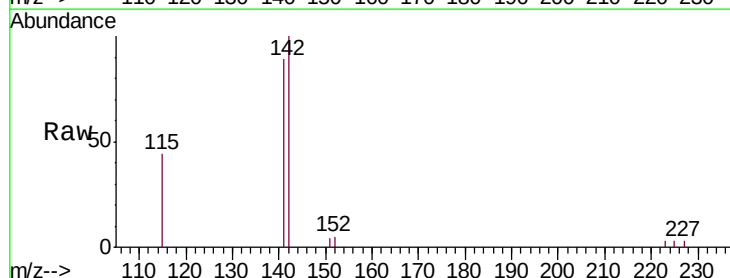
Tgt Ion:142 Resp: 3410

Ion Ratio Lower Upper

142 100

141 89.2 69.0 103.6

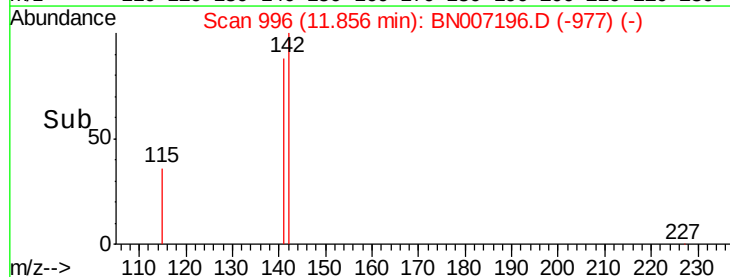
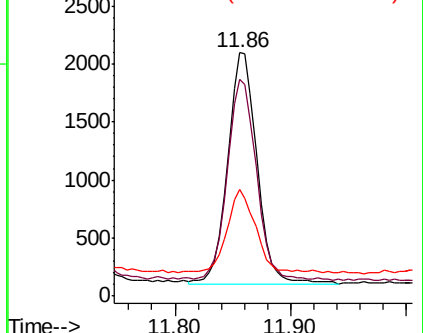
115 43.6 27.1 40.7#

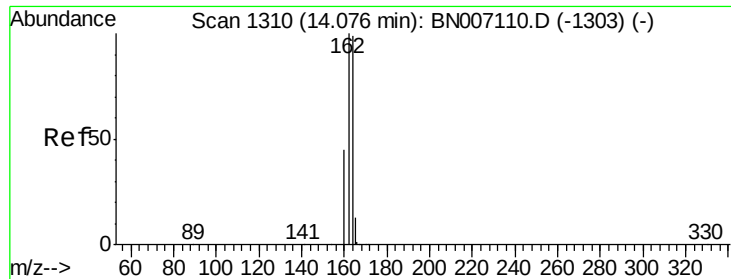


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





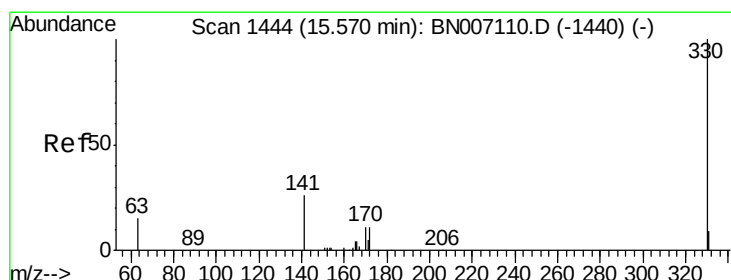
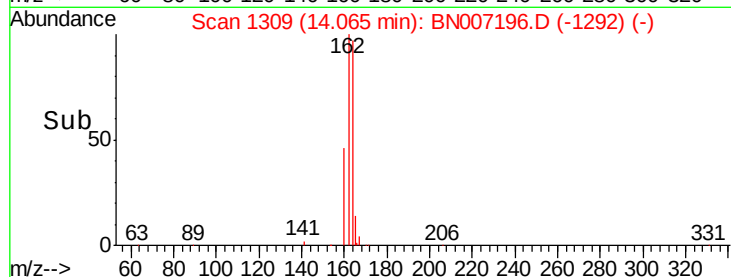
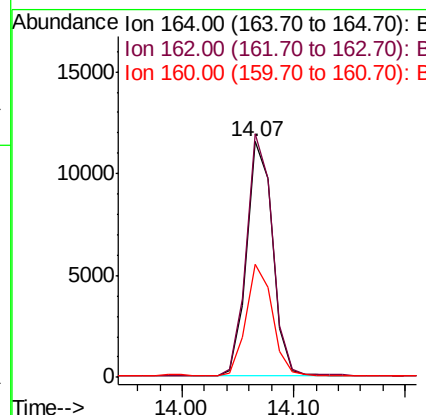
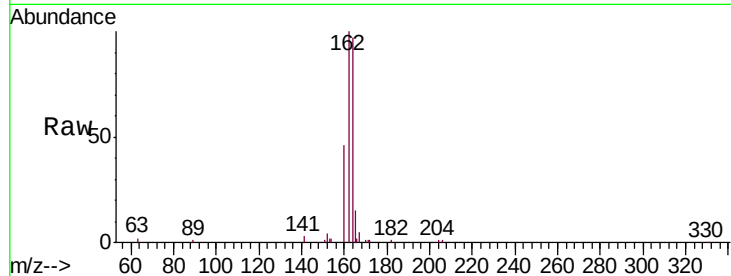
#12
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.07 min Scan# 1309
 Delta R.T. -0.01 min
 Lab File: BN007196.D
 Acq: 15 Aug 2019 14:57

Instrument :
 BNA_N
 ClientSampleId :
 EXT-032-SW175-073119DL

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	18515		
162	103.3	82.2	123.4	
160	47.8	38.3	57.5	

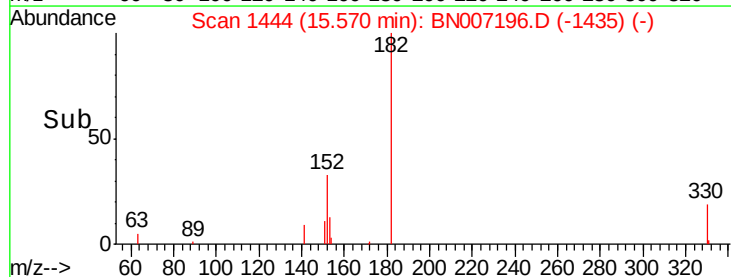
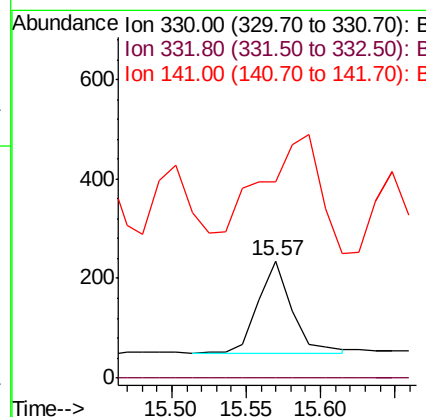
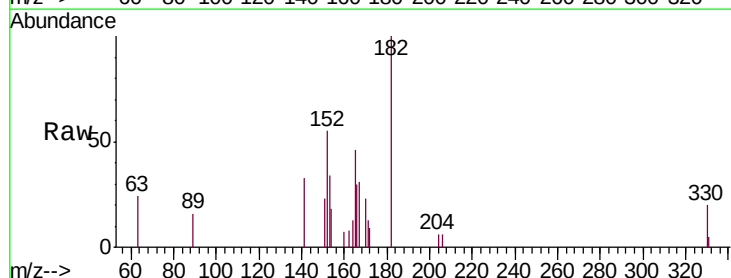
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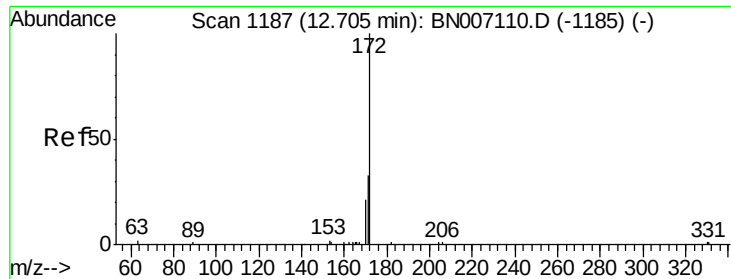
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#13
 2,4,6-Tribromophenol
 Concen: 0.030 ng
 RT: 15.57 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: BN007196.D
 Acq: 15 Aug 2019 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	296		
332	0.0	0.0	0.0	
141	0.0	33.6	50.4#	





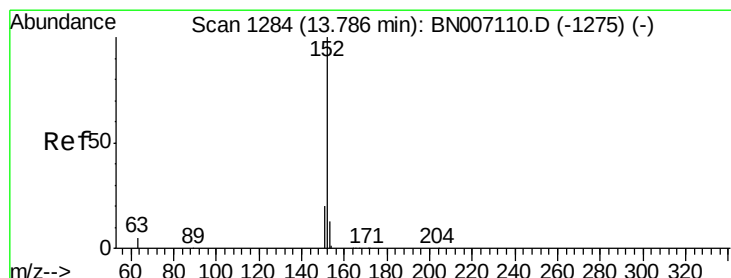
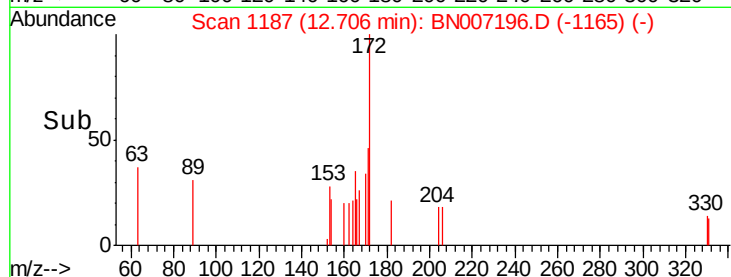
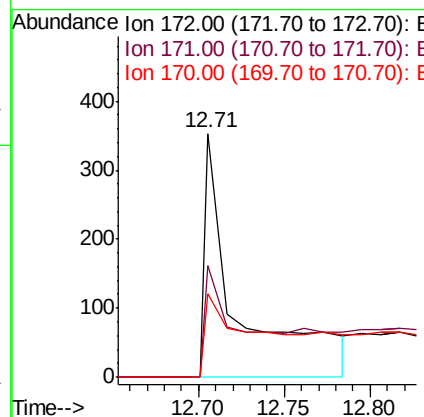
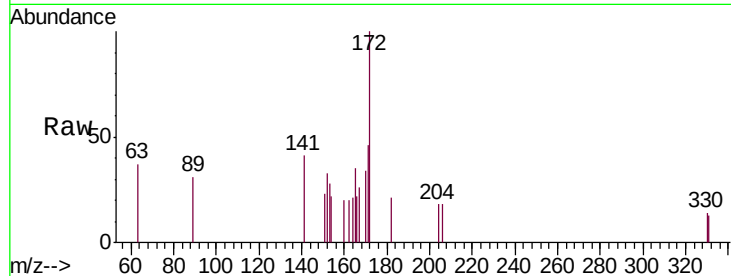
#14
2-Fluorobiphenyl
Concen: 0.018 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007196.D
Acq: 15 Aug 2019 14:57

Instrument :
BNA_N
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EXT-032-SW175-073119DL

Tgt Ion	Ratio	Lower	Upper
172	100		
171	45.9	26.3	39.5#
170	34.3	17.0	25.4#

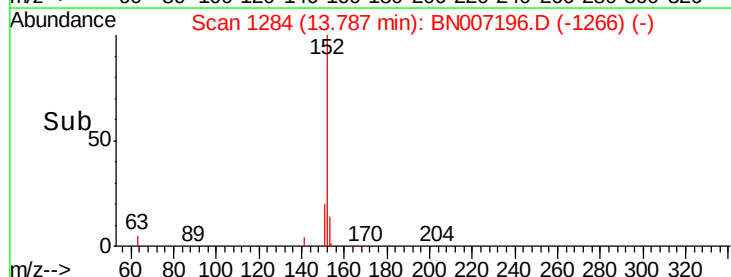
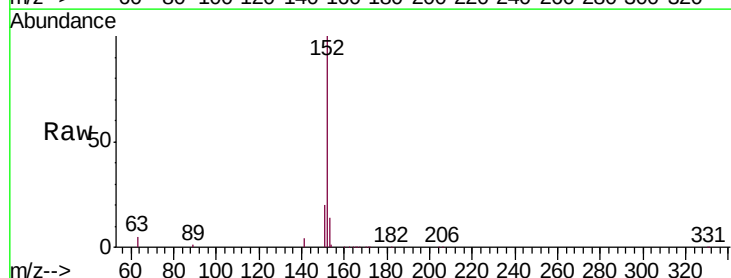
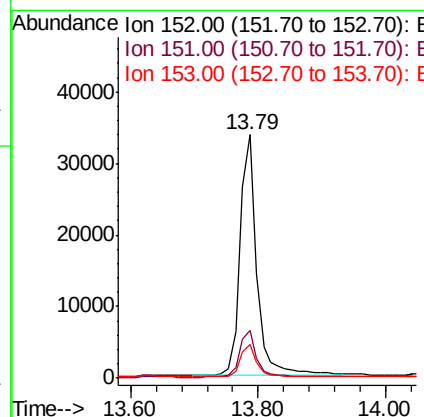
Manual Integrations
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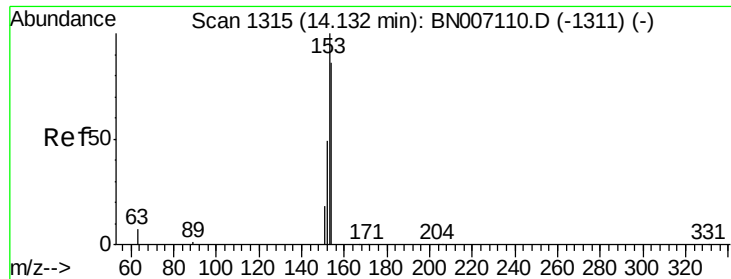
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#15
Acenaphthylene
Concen: 0.650 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007196.D
Acq: 15 Aug 2019 14:57

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.4	10.4	15.6





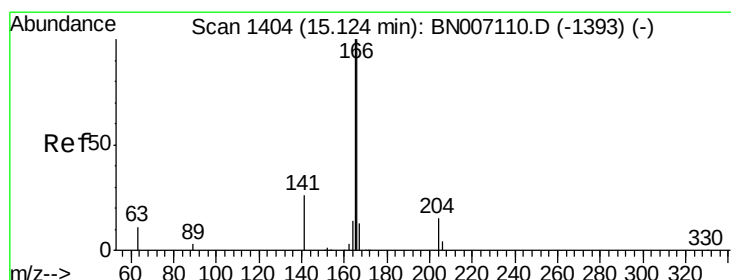
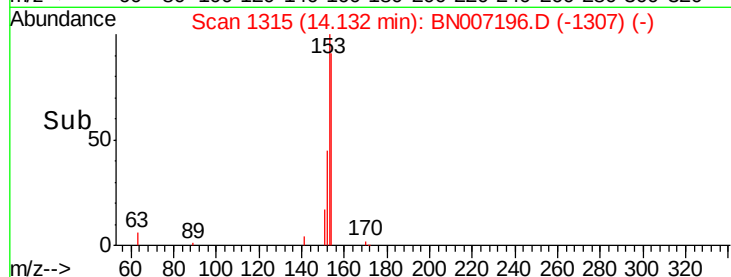
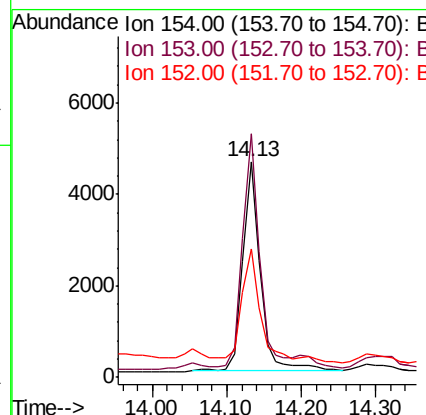
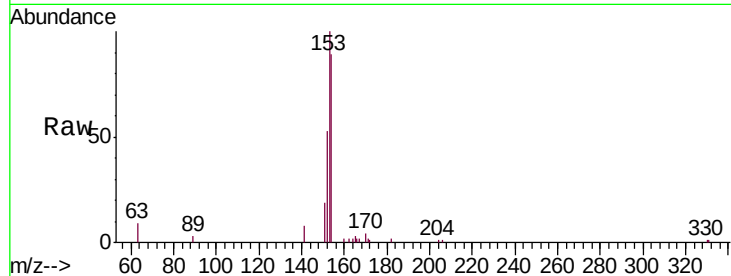
#16
Acenaphthene
Concen: 0.119 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007196.D
Acq: 15 Aug 2019 14:57

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW175-073119DL

Tgt Ion	Ratio	Lower	Upper
154	100		
153	108.4	89.5	134.3
152	50.5	44.8	67.2

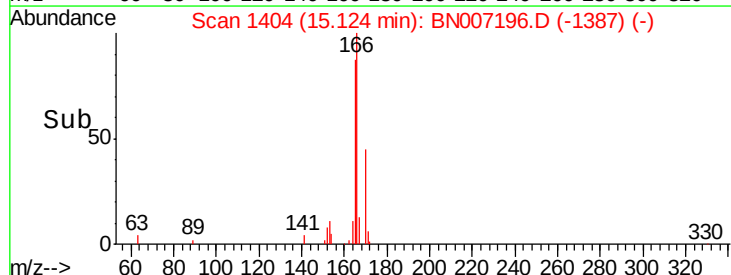
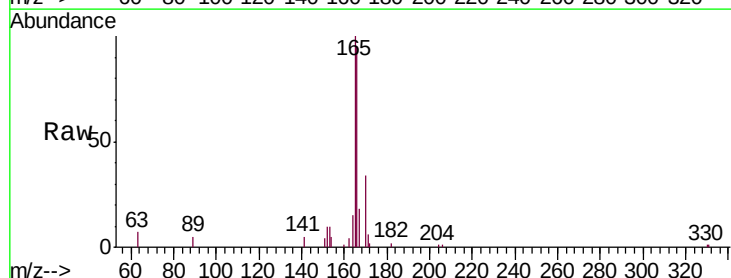
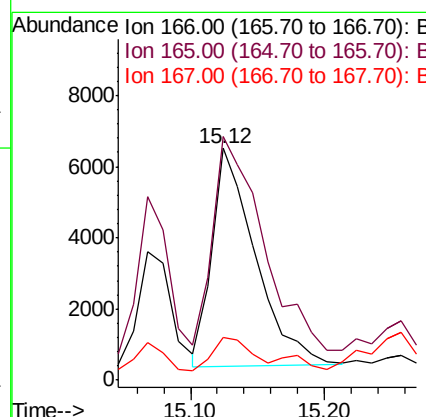
Manual Integrations
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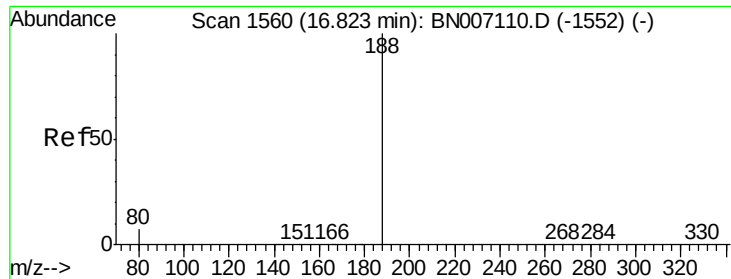
Jagrut
8/16/2019 6:11:25 PM



#17
Fluorene
Concen: 0.149 ng
RT: 15.12 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BN007196.D
Acq: 15 Aug 2019 14:57

Tgt Ion	Ratio	Lower	Upper
166	100		
165	116.3	77.9	116.9
167	13.8	10.9	16.3





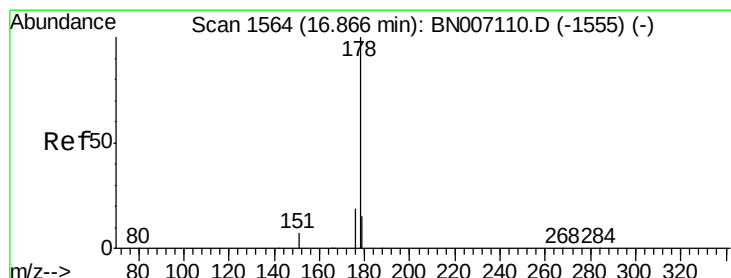
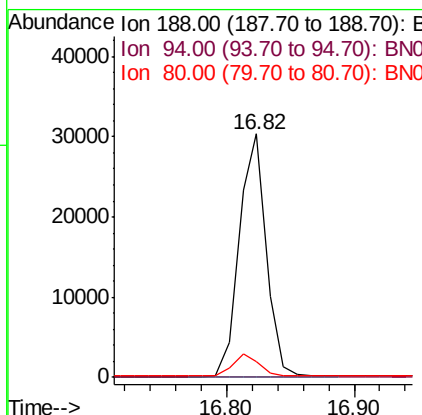
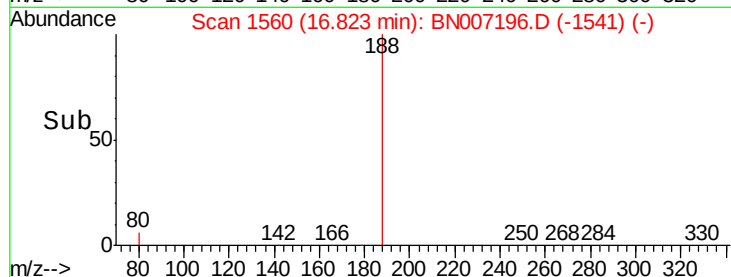
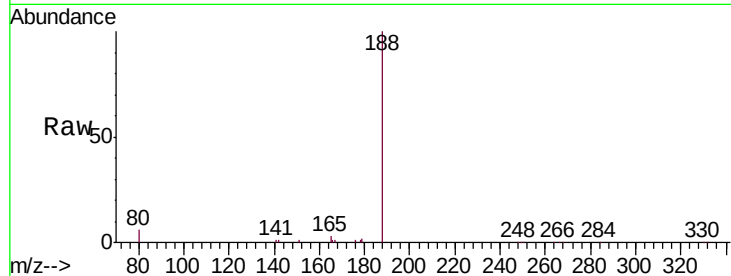
#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007196.D
Acq: 15 Aug 2019 14:57

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW175-073119DL

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.3	7.8	11.6#

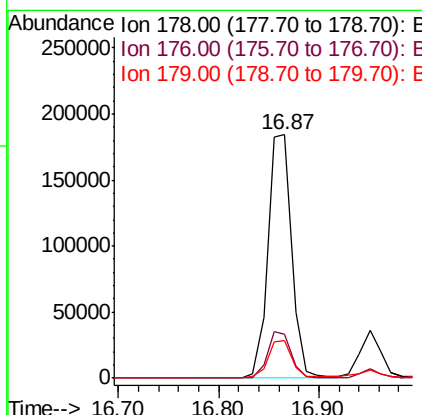
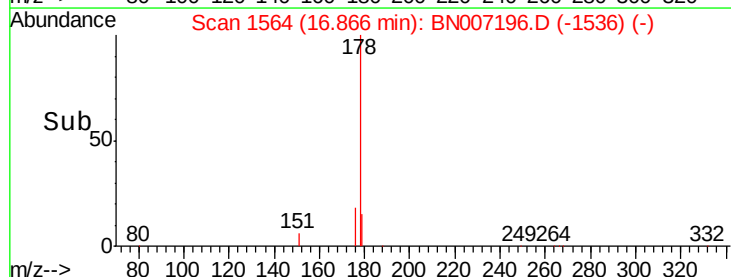
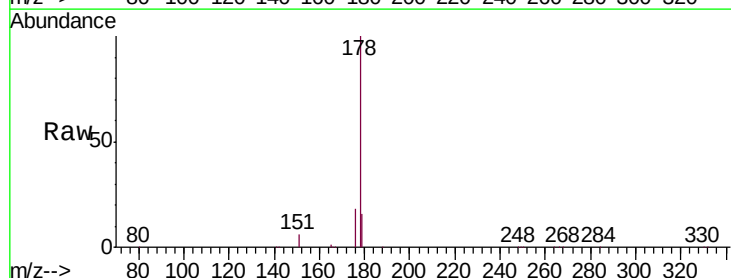
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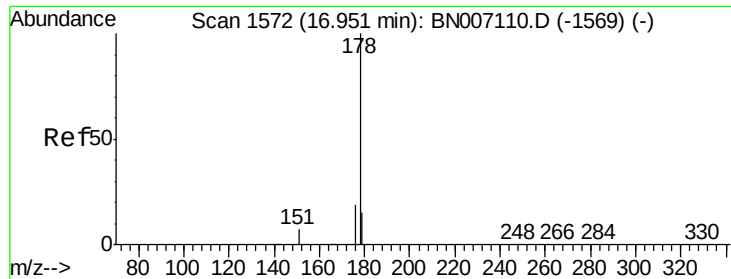
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#22
Phenanthrene
Concen: 2.268 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007196.D
Acq: 15 Aug 2019 14:57

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.8	15.2	22.8
179	15.6	12.3	18.5





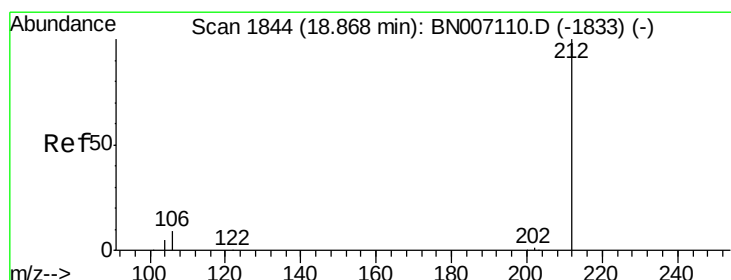
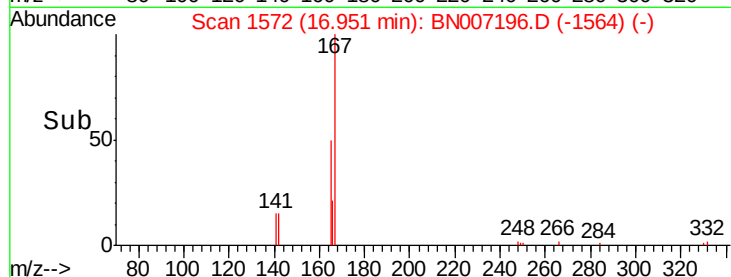
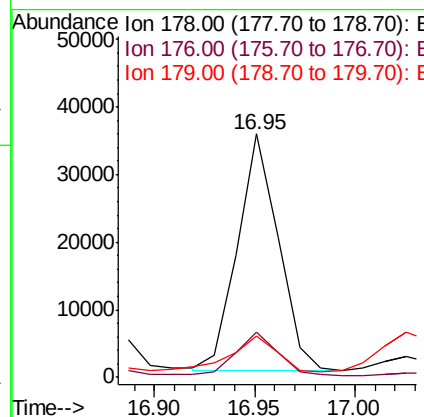
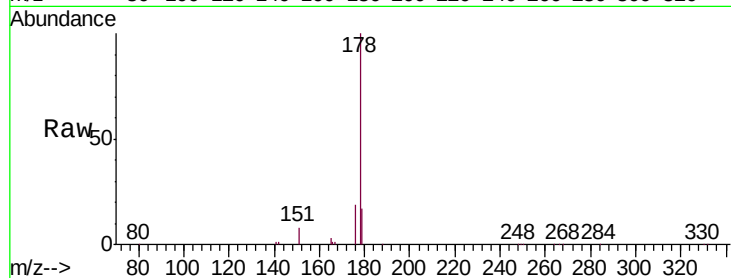
#23
 Anthracene
 Concen: 0.405 ng
 RT: 16.95 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BN007196.D
 Acq: 15 Aug 2019 14:57

Instrument :
 BNA_N
 ClientSampleId :
 EXT-032-SW175-073119DL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	21.8
179	17.9	12.5	18.7

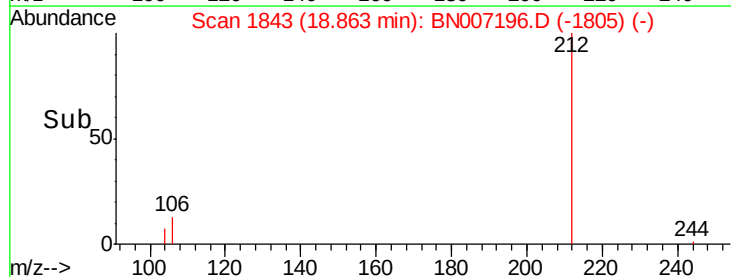
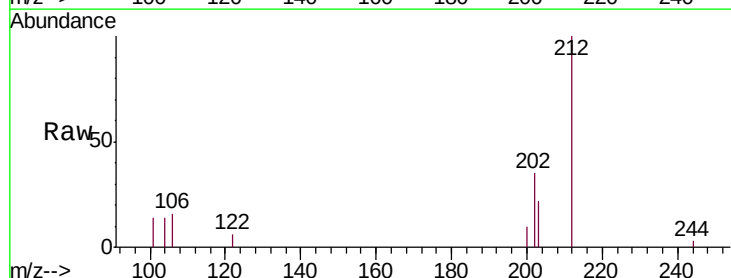
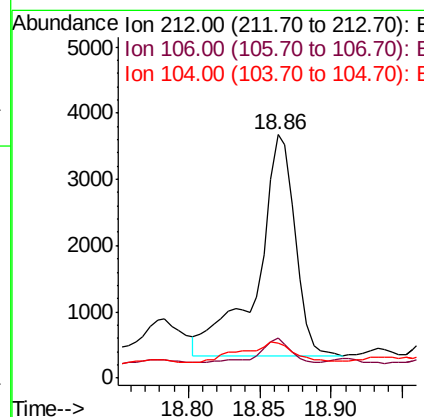
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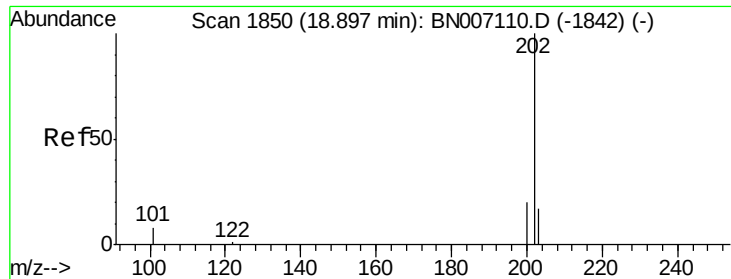
Jagrut
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#24
 Fluoranthene-d10
 Concen: 0.038 ng
 RT: 18.86 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BN007196.D
 Acq: 15 Aug 2019 14:57

Tgt Ion	Ratio	Lower	Upper
212	100		
106	9.7	8.2	12.2
104	13.2	4.5	6.7#





#25

Fluoranthene

Concen: 3.233 ng

RT: 18.89 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BN007196.D

Acq: 15 Aug 2019 14:57

Instrument :

BNA_N

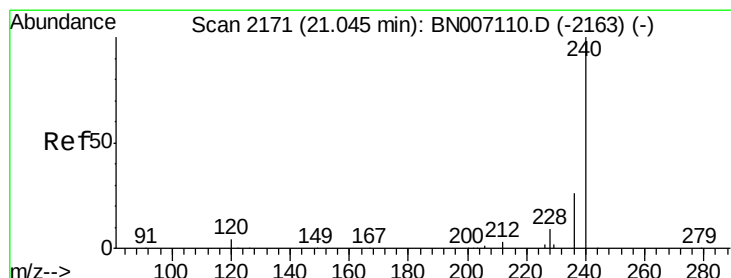
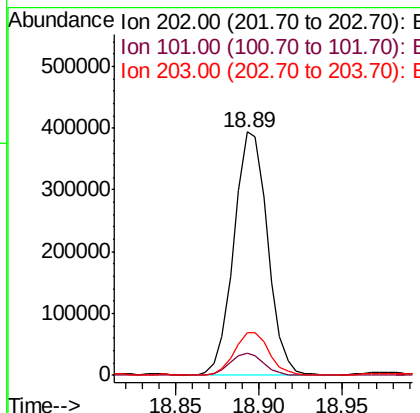
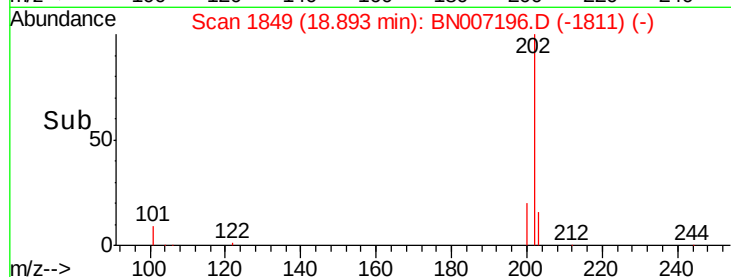
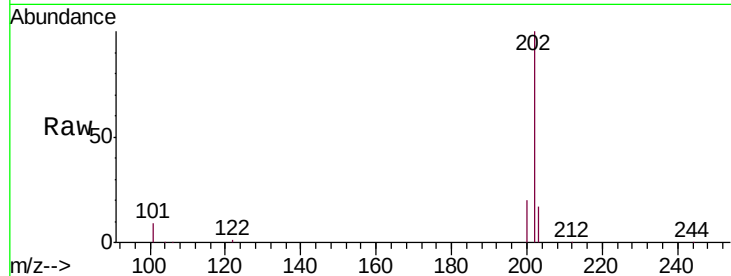
ClientSampleId :

EXT-032-SW175-073119DL

Tgt Ion:	202	Resp:	551359
Ion Ratio	Lower	Upper	
202	100		
101	9.0	7.0	10.4
203	17.7	13.8	20.8

Manual Integrations
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#26

Chrysene-d12

Concen: 0.400 ng

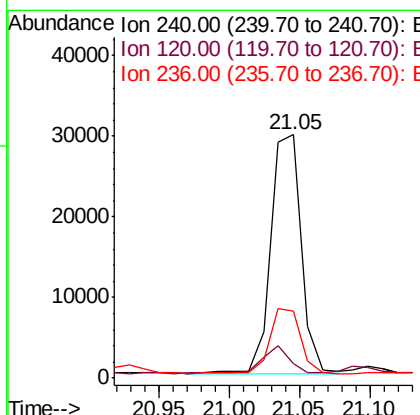
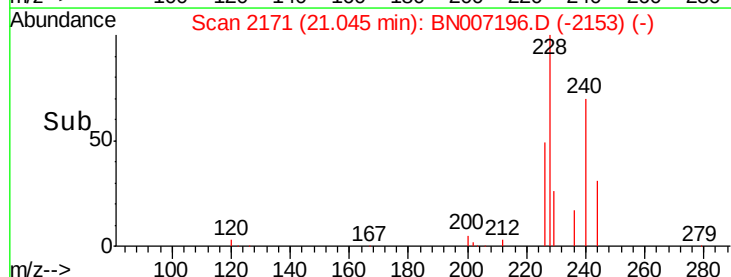
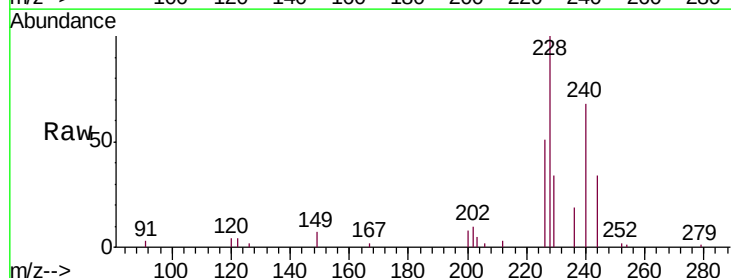
RT: 21.05 min Scan# 2171

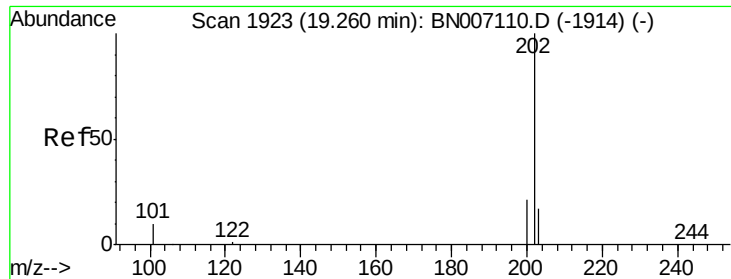
Delta R.T. -0.01 min

Lab File: BN007196.D

Acq: 15 Aug 2019 14:57

Tgt Ion:	240	Resp:	45424
Ion Ratio	Lower	Upper	
240	100		
120	6.1	4.0	6.0#
236	27.6	21.3	31.9





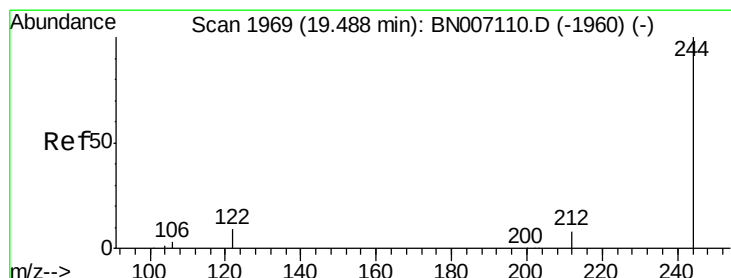
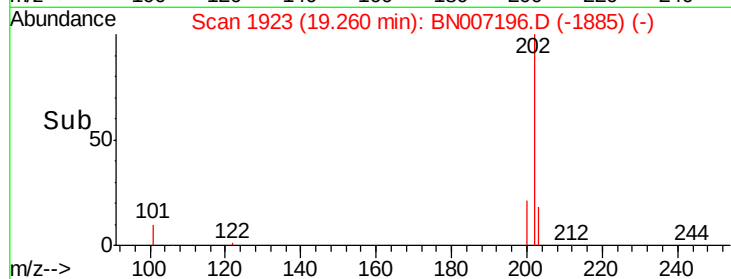
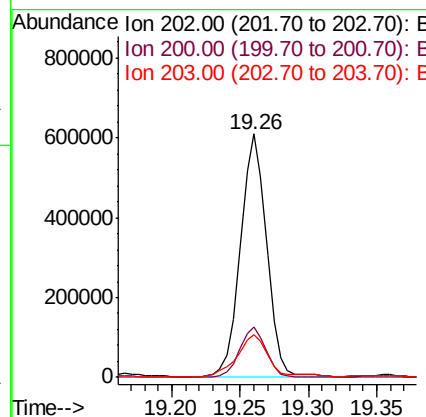
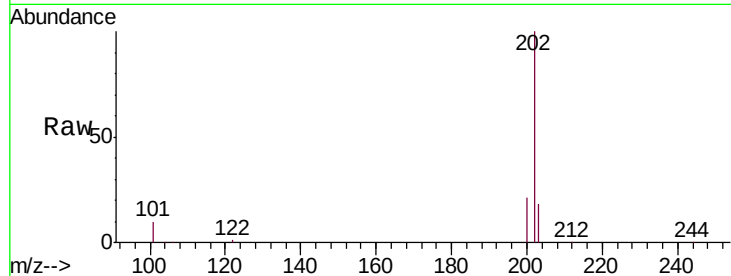
#27
 Pyrene
 Concen: 5.061 ng
 RT: 19.26 min Scan# 1923
 Delta R.T. -0.01 min
 Lab File: BN007196.D
 Acq: 15 Aug 2019 14:57

Instrument :
 BNA_N
 ClientSampleId :
 EXT-032-SW175-073119DL

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	806243		
200	20.8	16.6	24.8	
203	20.0	14.0	21.0	

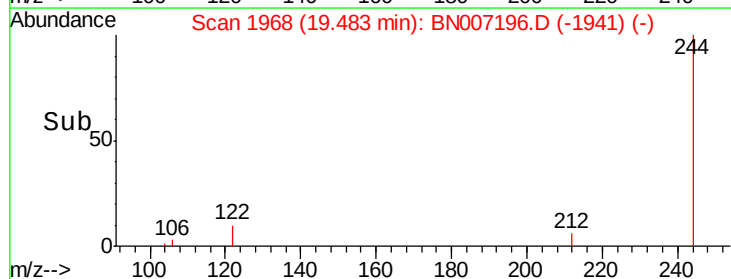
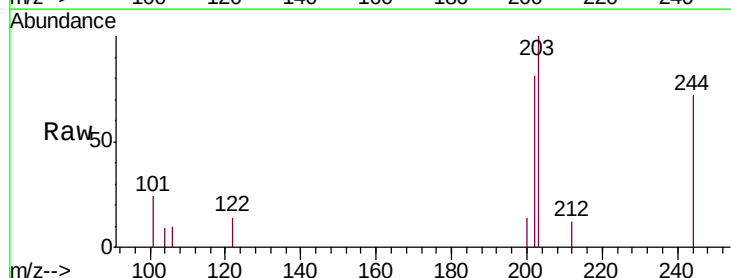
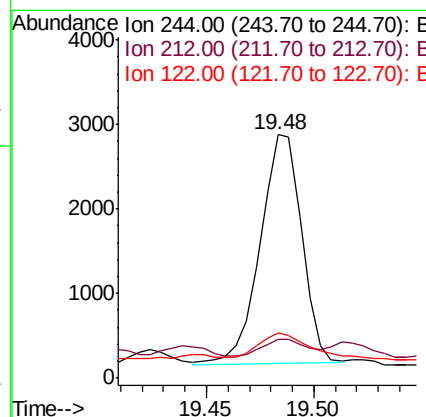
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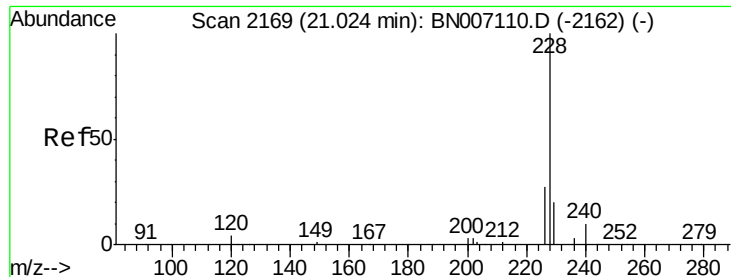
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#28
 Terphenyl-d14
 Concen: 0.029 ng
 RT: 19.48 min Scan# 1968
 Delta R.T. -0.01 min
 Lab File: BN007196.D
 Acq: 15 Aug 2019 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	3642		
212	16.0	6.2	9.2#	
122	18.7	7.4	11.2#	





#29

Benzo(a)anthracene

Concen: 1.943 ng m

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007196.D

Acq: 15 Aug 2019 14:57

Instrument :

BNA_N

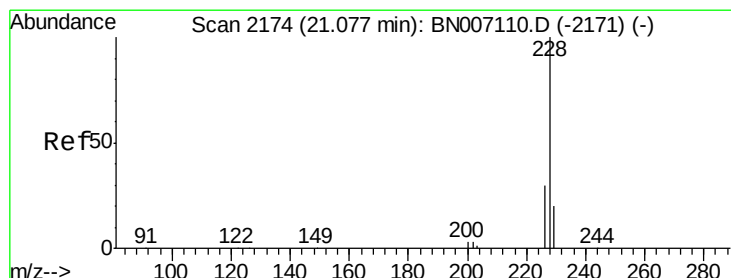
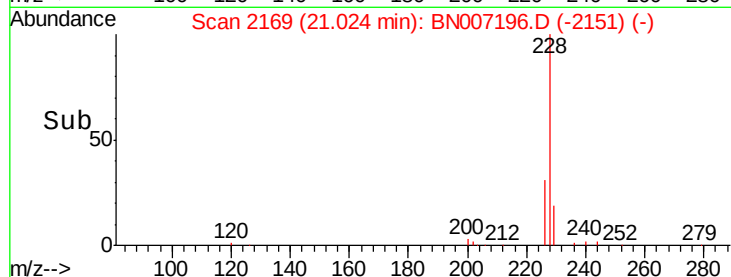
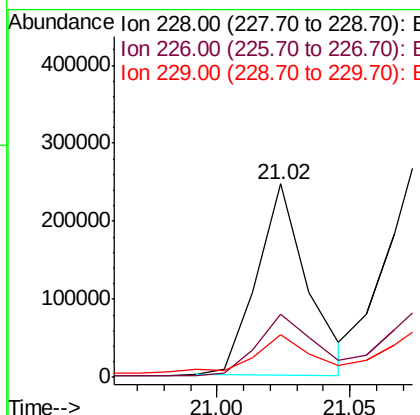
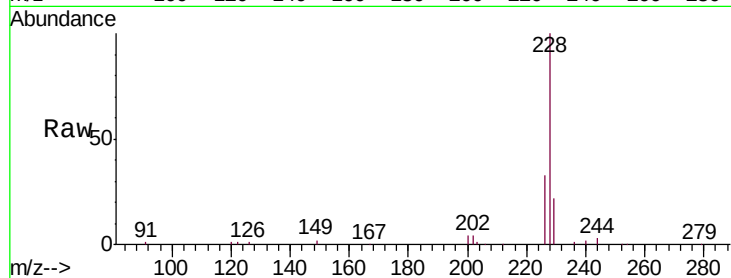
ClientSampleId :

EXT-032-SW175-073119DL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.8	21.8	32.6#
229	22.3	15.6	23.4

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#30

Chrysene

Concen: 2.667 ng

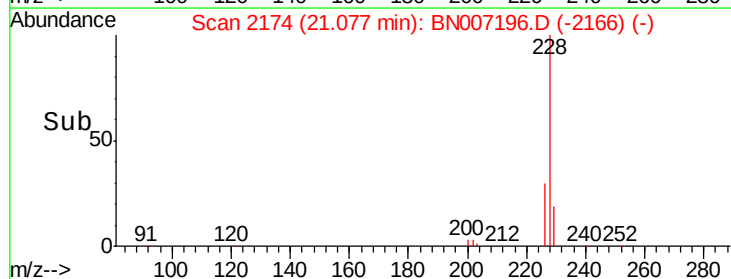
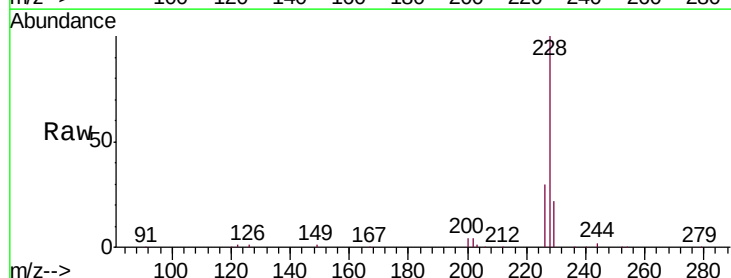
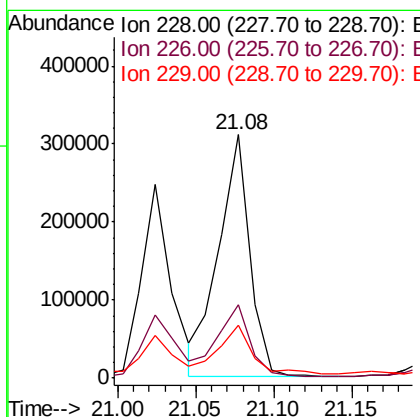
RT: 21.08 min Scan# 2174

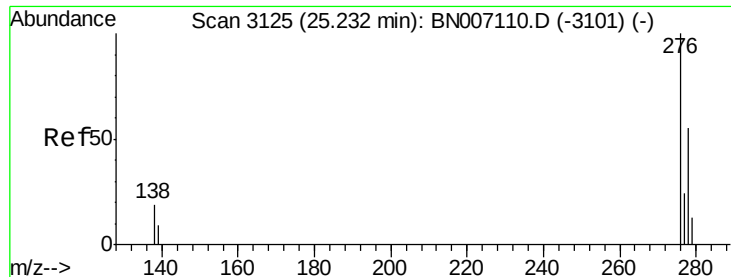
Delta R.T. -0.01 min

Lab File: BN007196.D

Acq: 15 Aug 2019 14:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.8	35.6
229	21.7	15.7	23.5





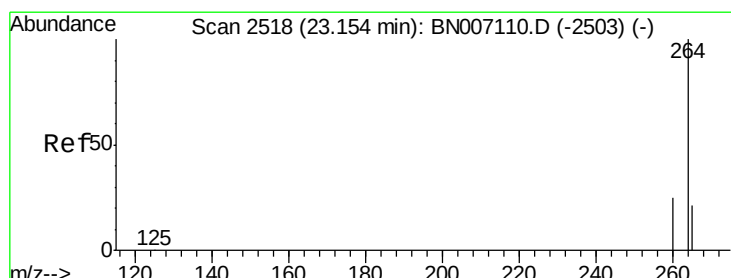
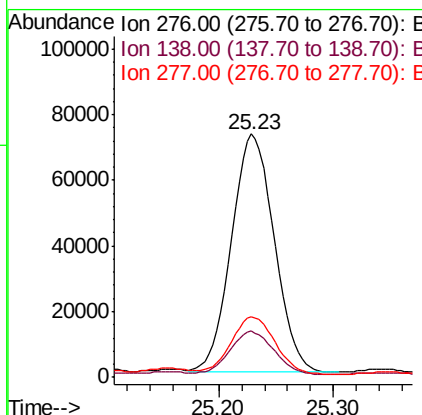
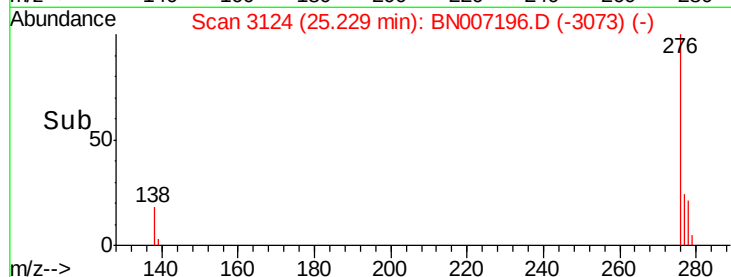
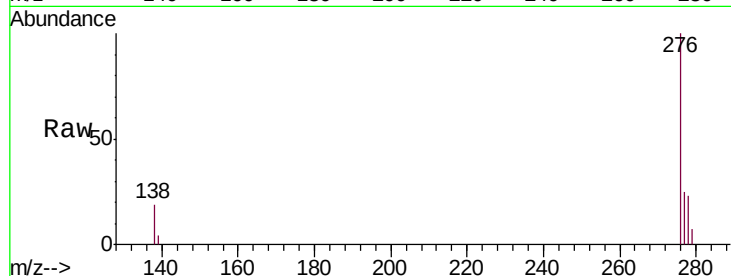
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 1.057 ng
 RT: 25.23 min Scan# 3124
 Delta R.T. -0.02 min
 Lab File: BN007196.D
 Acq: 15 Aug 2019 14:57

Instrument :
 BNA_N
 ClientSampleId :
 EXT-032-SW175-073119DL

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	188085		
138	18.7	16.0	24.0	
277	24.9	19.9	29.9	

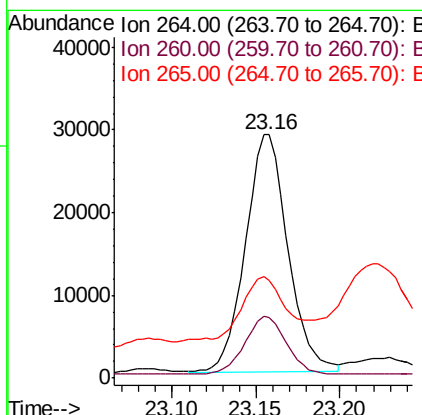
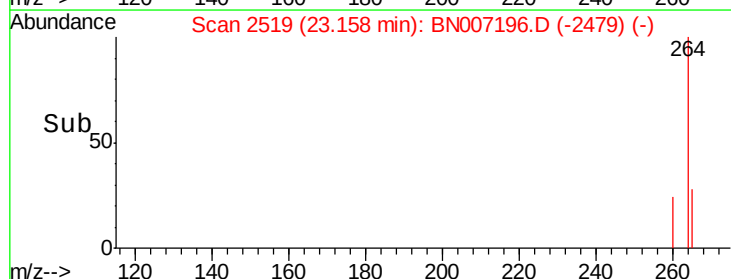
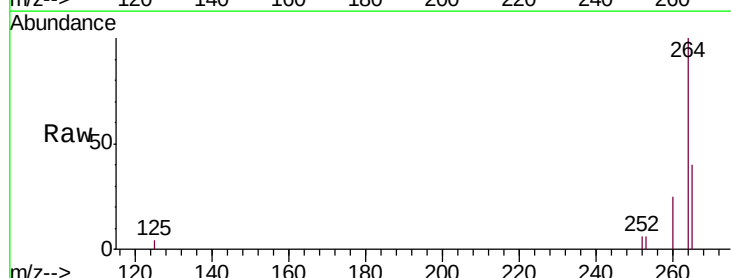
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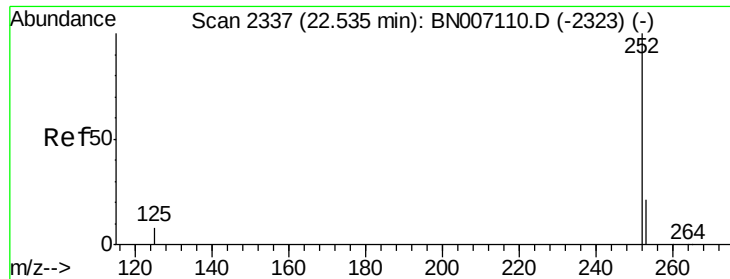
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#32
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.16 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BN007196.D
 Acq: 15 Aug 2019 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	50776		
260	24.9	19.8	29.8	
265	40.1	26.2	39.4	





#33

Benzo(b)fluoranthene

Concen: 2.200 ng m

RT: 22.53 min Scan# 2337

Delta R.T. -0.01 min

Lab File: BN007196.D

Acq: 15 Aug 2019 14:57

Instrument :

BNA_N

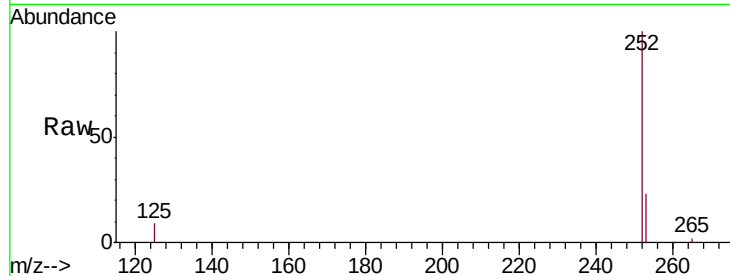
ClientSampleId :

EXT-032-SW175-073119DL

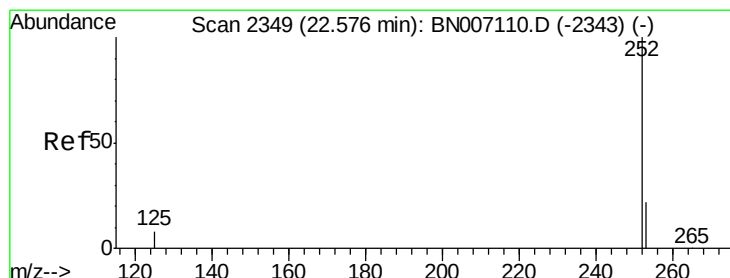
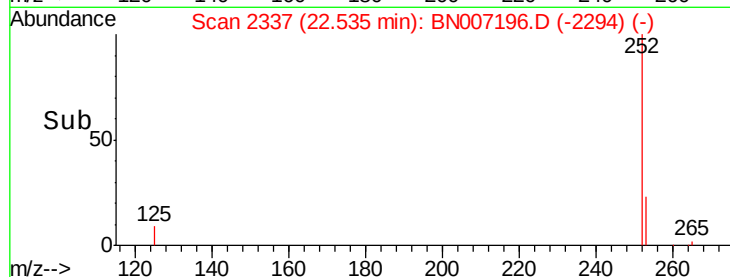
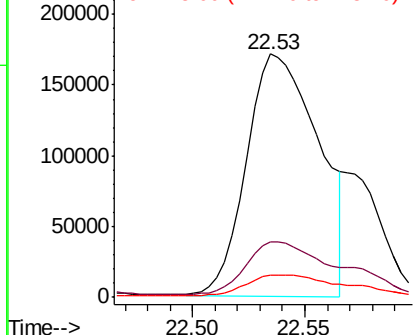
Tgt Ion:	252	Resp:	383080
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.2	27.2
125	9.2	7.4	11.0

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



#34

Benzo(k)fluoranthene

Concen: 0.505 ng m

RT: 22.57 min Scan# 2347

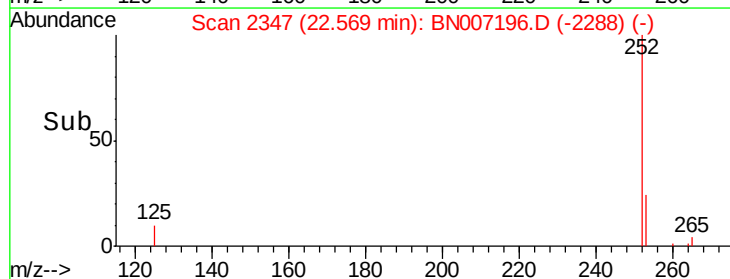
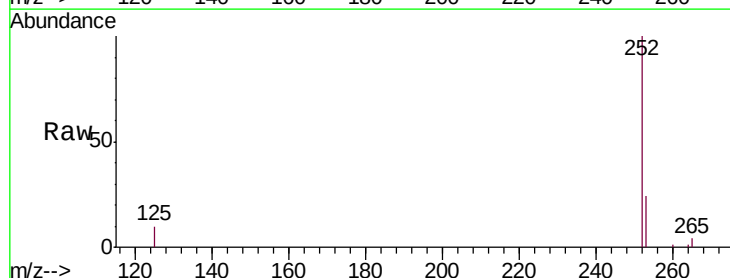
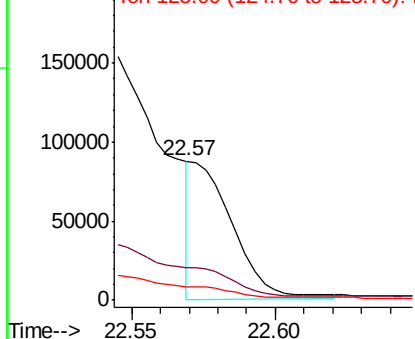
Delta R.T. -0.02 min

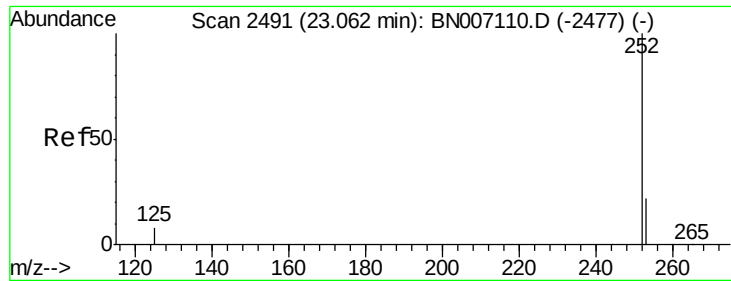
Lab File: BN007196.D

Acq: 15 Aug 2019 14:57

Tgt Ion:	252	Resp:	86854
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.1	27.1
125	9.7	7.4	11.0

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





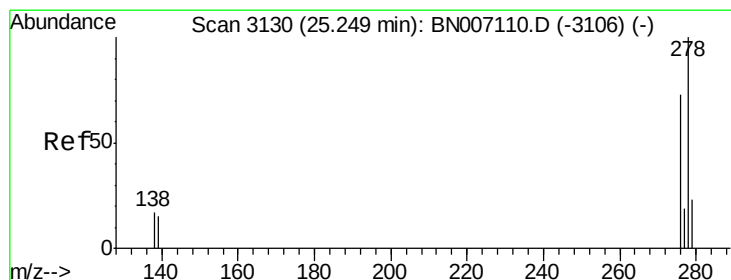
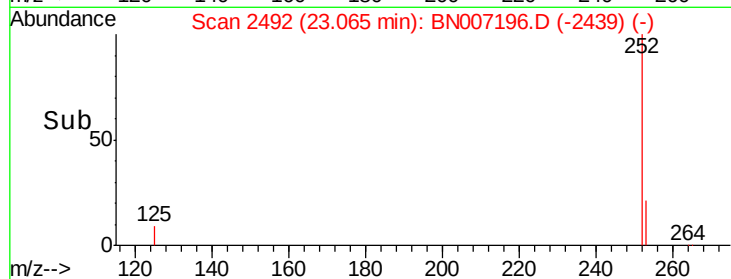
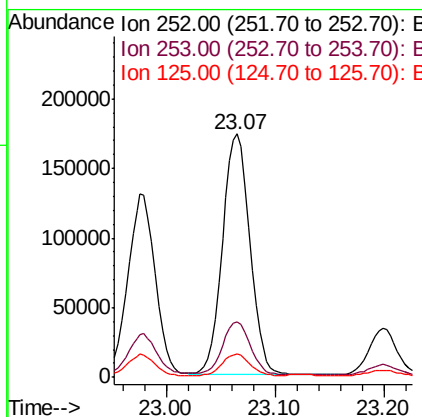
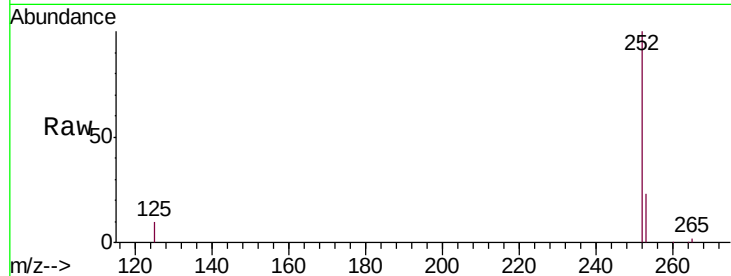
#35
Benzo(a)pyrene
Concen: 1.917 ng
RT: 23.07 min Scan# 2492
Delta R.T. -0.02 min
Lab File: BN007196.D
Acq: 15 Aug 2019 14:57

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW175-073119DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.5	27.7
125	9.6	8.2	12.4

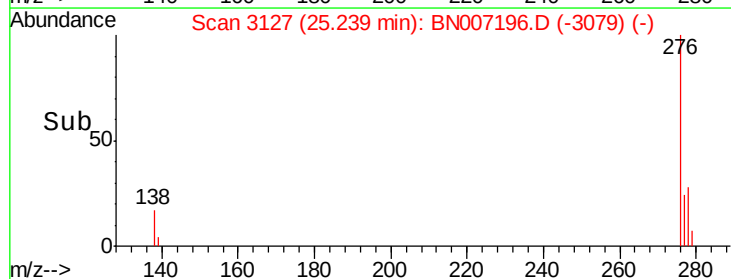
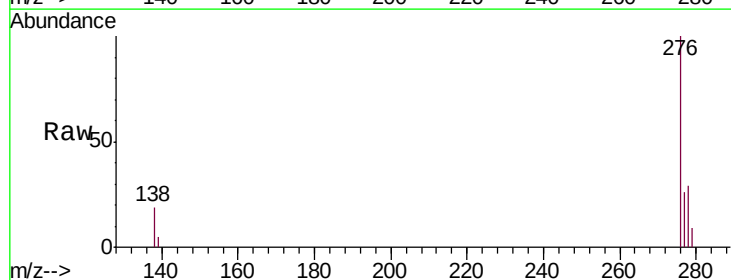
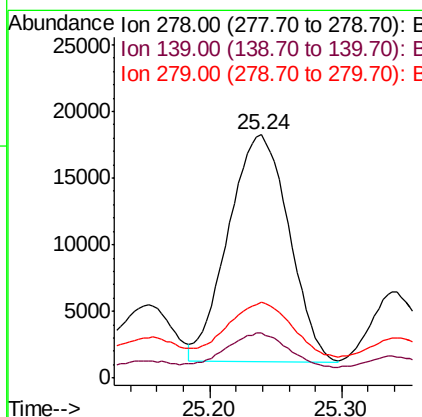
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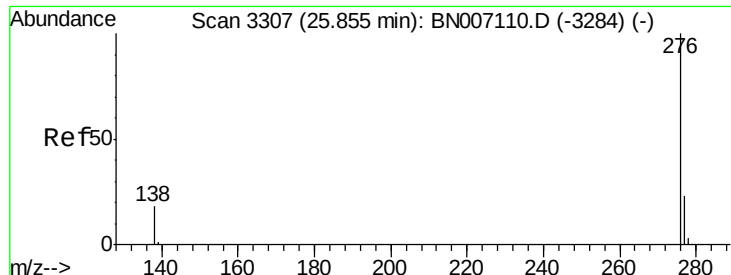
Jagrut
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#36
Dibenzo(a,h)anthracene
Concen: 0.344 ng
RT: 25.24 min Scan# 3127
Delta R.T. -0.03 min
Lab File: BN007196.D
Acq: 15 Aug 2019 14:57

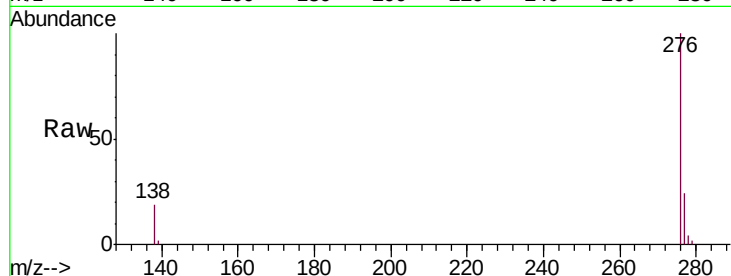
Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.3	11.3	16.9#
279	31.0	19.3	28.9#





#37
 Benzo(g,h,i)perylene
 Concen: 1.287 ng
 RT: 25.86 min Scan# 3308
 Delta R.T. -0.02 min
 Lab File: BN007196.D
 Acq: 15 Aug 2019 14:57

Instrument :
 BNA_N
 ClientSampleId :
 EXT-032-SW175-073119DL



Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		208577		
277	24.5	19.8	29.8		
138	19.4	14.6	22.0		

Manual Integrations
 APPROVED

Jagrut
 8/16/2019 6:11:25 PM

