

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
 Data File : BN007121.D
 Acq On : 13 Aug 2019 08:43
 Operator : HP/JU
 Sample : K4239-06
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-013-SW154-080519

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:52:46 AM

Quant Time: Aug 13 12:20:35 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	9945	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	38827	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	23282	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	50826	0.40	ng	0.00
26) Chrysene-d12	21.05	240	51504	0.40	ng	-0.01
32) Perylene-d12	23.16	264	64271	0.40	ng	0.00

System Monitoring Compounds

3) 2-Fluorophenol	5.06	112	6240	0.26	ng	0.00
4) Phenol-d6	6.62	99	8355	0.28	ng	0.00
7) Nitrobenzene-d5	8.56	82	7233	0.23	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	14279	0.20	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	2646	0.21	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	3377	0.10	ng	0.00
24) Fluoranthene-d10	18.87	212	27684m	0.15	ng	0.00
28) Terphenyl-d14	19.49	244	25541	0.18	ng	0.00

Target Compounds

						Qvalue
8) Naphthalene	10.24	128	72339	0.664	ng	99
11) 2-Methylnaphthalene	11.87	142	78536	1.018	ng	98
15) Acenaphthylene	13.79	152	556061	4.569	ng	99
16) Acenaphthene	14.13	154	87623	1.124	ng	97
17) Fluorene	15.13	166	202532	1.736	ng	86
22) Phenanthrene	16.87	178	3318451	21.786	ng	99
23) Anthracene	16.96	178	731369	5.255	ng	97
25) Fluoranthene	18.90	202	4702434	24.134	ng	98
27) Pyrene	19.27	202	5356659	29.657	ng	# 95
29) Benzo(a)anthracene	21.03	228	3078297m	16.343	ng	
30) Chrysene	21.09	228	3052453	16.680	ng	97
31) Indeno(1,2,3-cd)pyrene	25.25	276	1828252	9.064	ng	98
33) Benzo(b)fluoranthene	22.55	252	3478485	15.783	ng	99
34) Benzo(k)fluoranthene	22.58	252	1289139m	5.923	ng	
35) Benzo(a)pyrene	23.08	252	2693062	13.479	ng	99
36) Dibenzo(a,h)anthracene	25.25	278	507847	2.548	ng	# 92
37) Benzo(a,h,i)perylene	25.88	276	1915538	9.341	ng	99

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

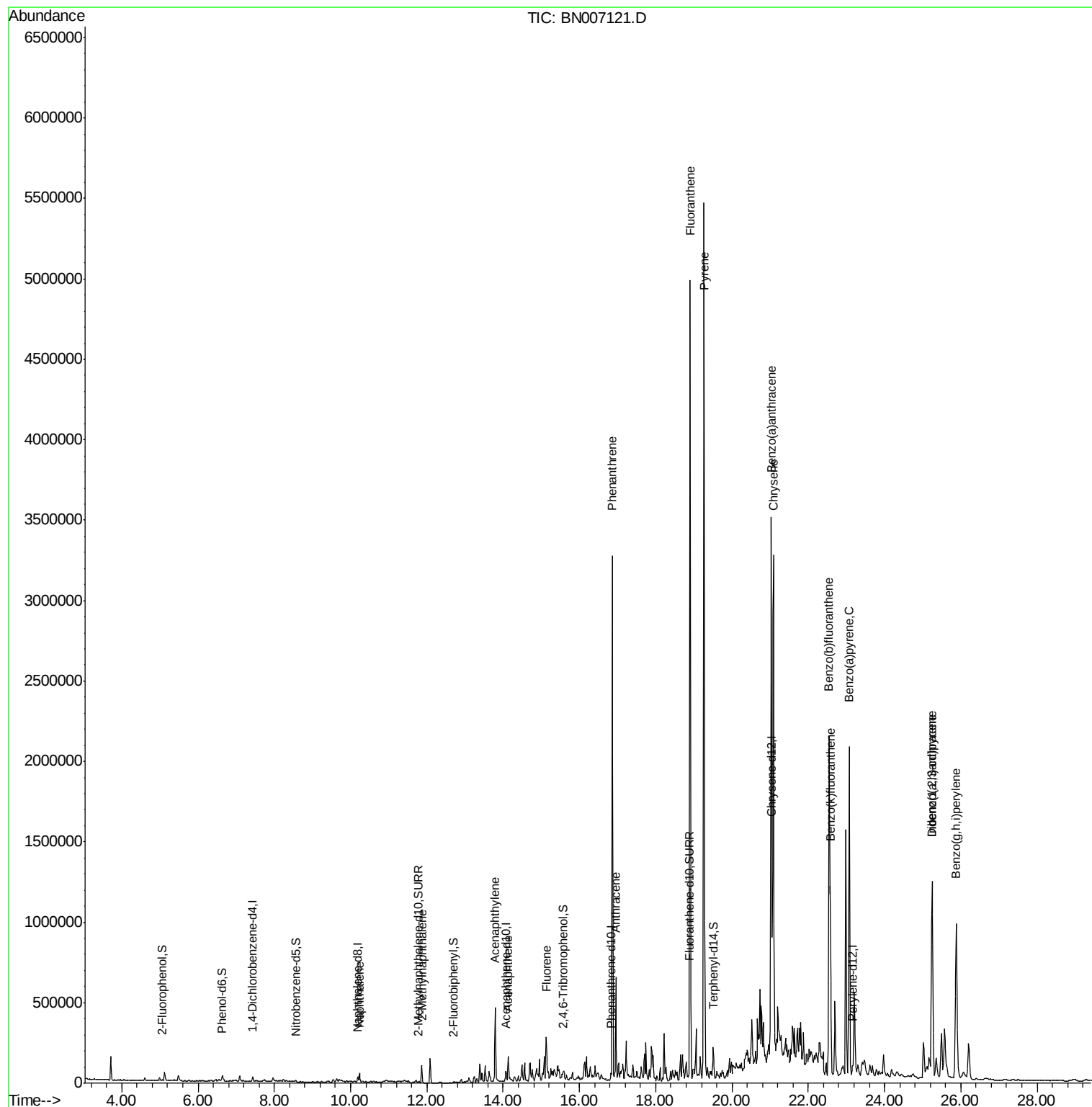
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
Data File : BN007121.D
Acq On : 13 Aug 2019 08:43
Operator : HP/JU
Sample : K4239-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

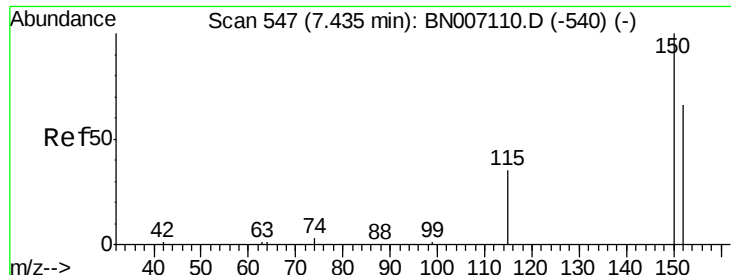
Instrument :
BNA_N
ClientSampleId :
EXT-013-SW154-080519

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8/14/2019 2:52:46 AM

Quant Time: Aug 13 12:20:35 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





#1

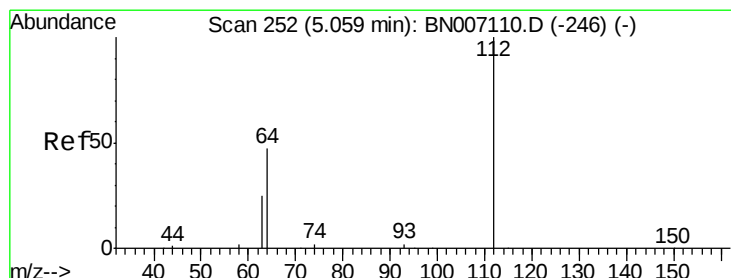
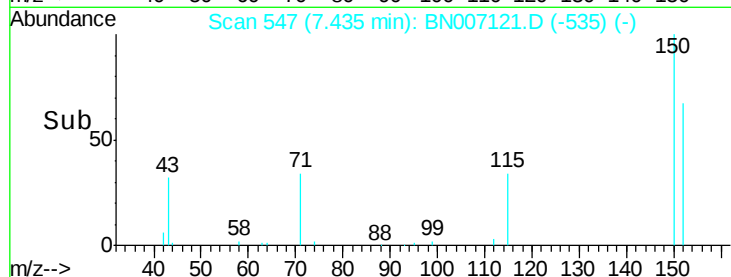
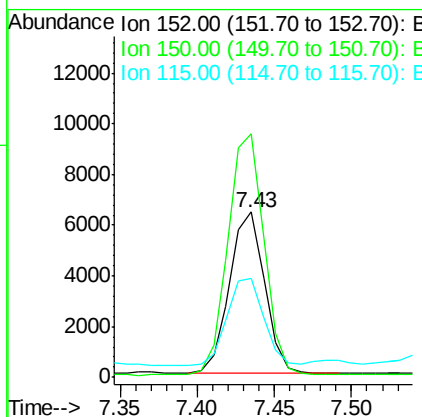
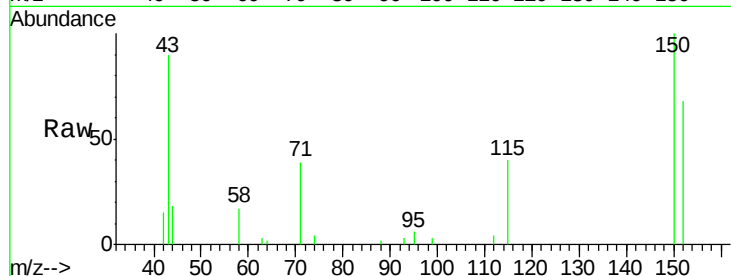
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007121.D
Acq: 13 Aug 2019 08:43

Instrument :
BNA_N
ClientSampleId :
EXT-013-SW154-080519

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.2	121.7	182.5
115	59.6	46.2	69.4

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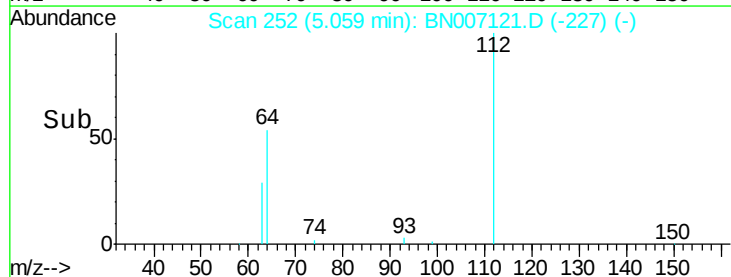
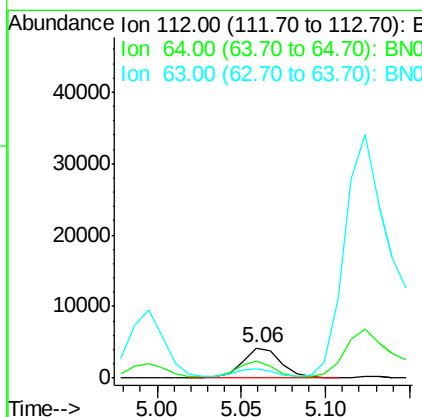
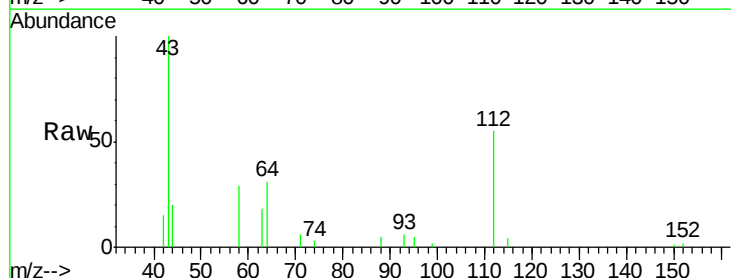
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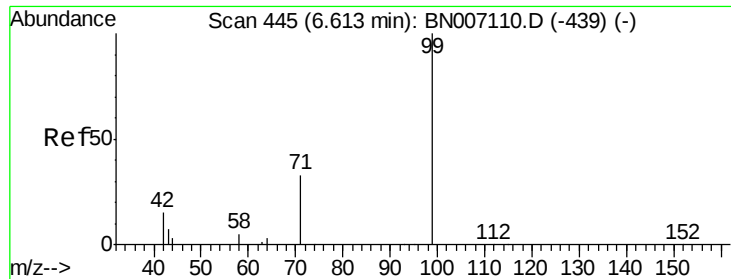


#3

2-Fluorophenol
Concen: 0.261 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007121.D
Acq: 13 Aug 2019 08:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.6	42.6	63.8
63	0.0	22.2	33.2





#4

Phenol-d6

Concen: 0.282 ng

RT: 6.62 min Scan# 446

Delta R.T. 0.01 min

Lab File: BN007121.D

Acq: 13 Aug 2019 08:43

Instrument :

BNA_N

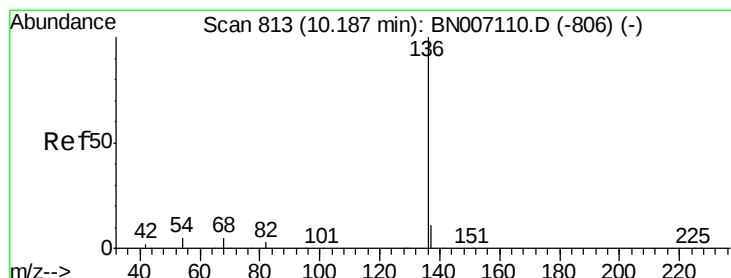
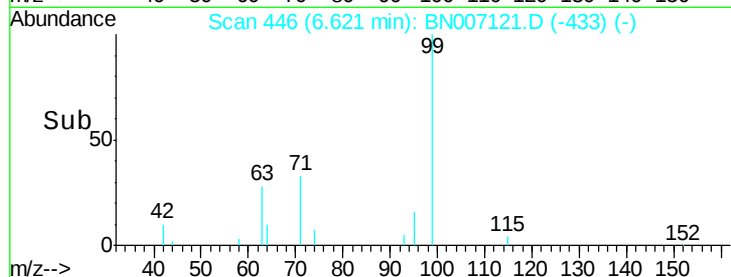
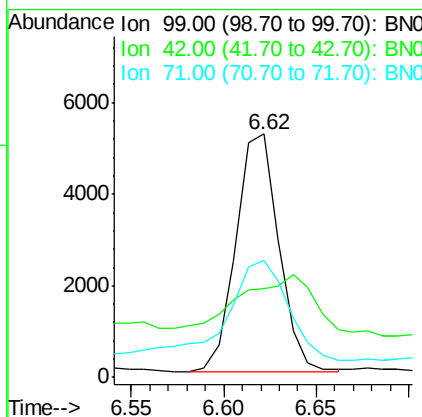
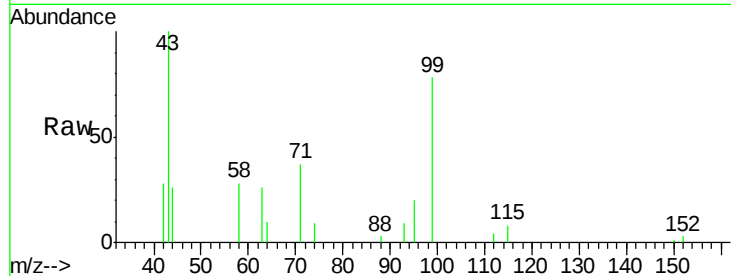
ClientSampleId :

EXT-013-SW154-080519

Tot Ion:	99	Resp:	8355
Ion Ratio	Lower	Upper	
99	100		
42	47.9	15.8	23.6#
71	61.3	27.0	40.4#

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#6

Naphthalene-d8

Concen: 0.400 ng

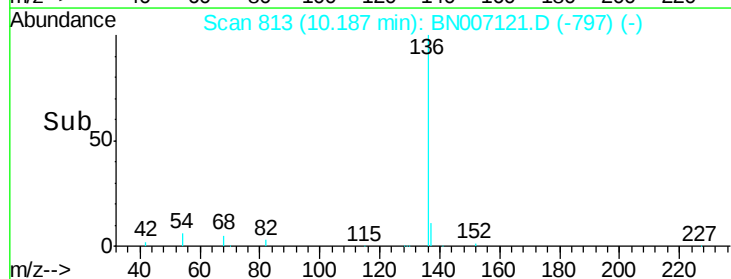
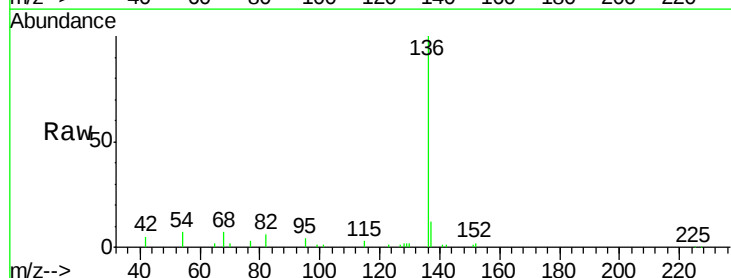
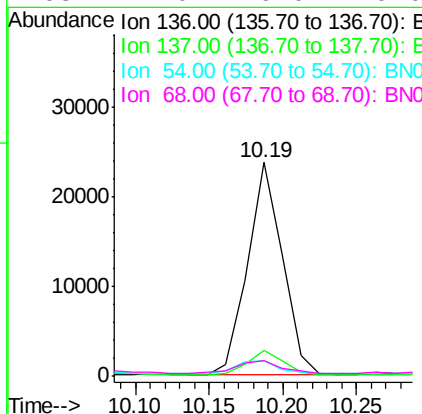
RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007121.D

Acq: 13 Aug 2019 08:43

Tgt Ion:	136	Resp:	38827
Ion Ratio	Lower	Upper	
136	100		
137	11.8	9.4	14.0
54	7.0	6.6	9.8
68	7.0	6.0	9.0





#7

Nitrobenzene-d5

Concen: 0.231 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007121.D

Acq: 13 Aug 2019 08:43

Instrument :

BNA_N

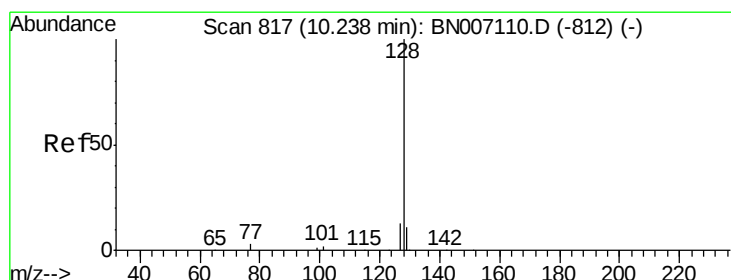
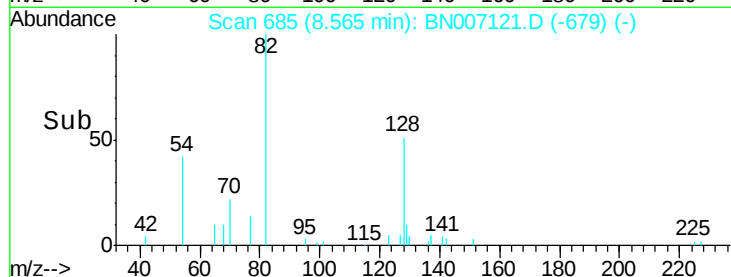
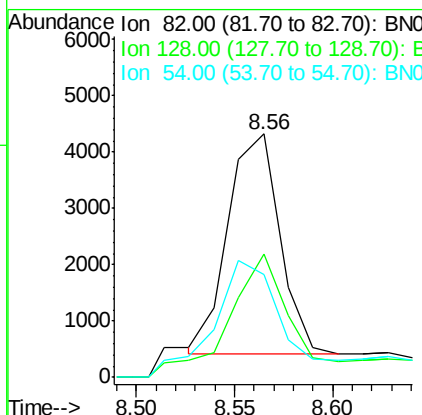
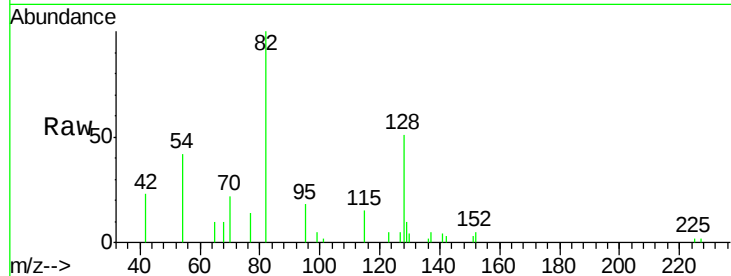
ClientSampleId :

EXT-013-SW154-080519

Tot Ion:	82	Resp:	7233
Ion	Ratio	Lower	Upper
82	100		
128	50.8	34.6	51.8
54	42.1	36.2	54.4

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#8

Naphthalene

Concen: 0.664 ng

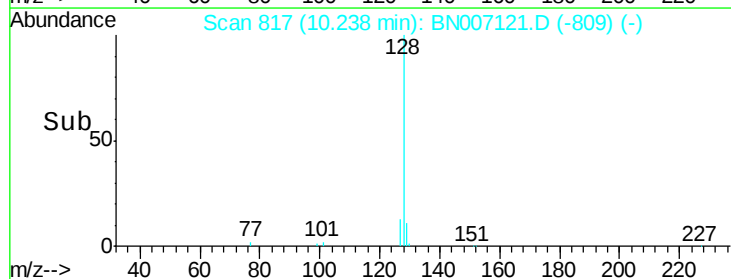
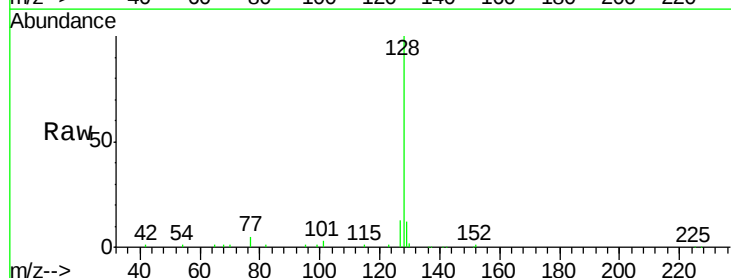
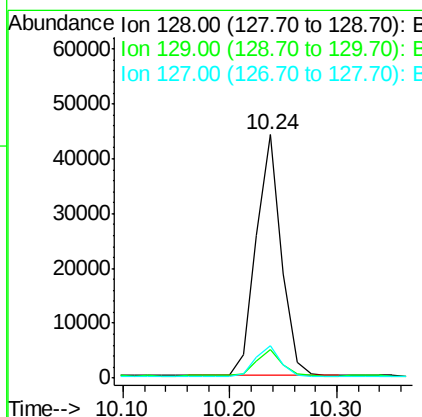
RT: 10.24 min Scan# 817

Delta R.T. -0.00 min

Lab File: BN007121.D

Acq: 13 Aug 2019 08:43

Tgt Ion:	128	Resp:	72339
Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.4	14.2
127	13.3	11.0	16.6





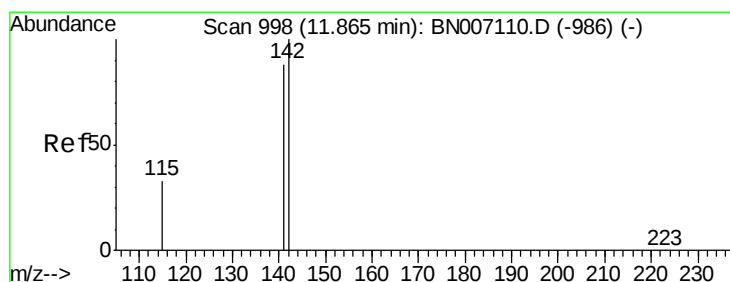
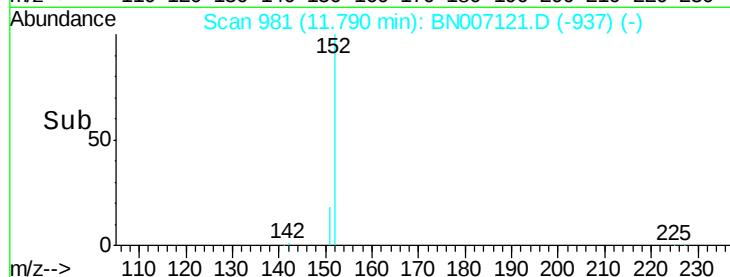
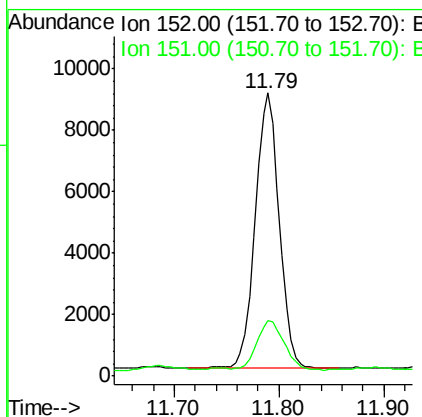
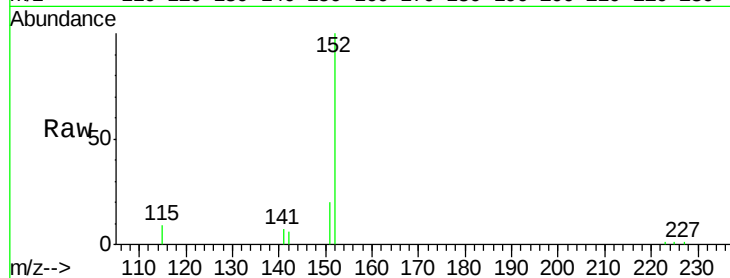
#10
2-Methylnaphthalene-d10
Concen: 0.197 ng
RT: 11.79 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN007121.D
Acq: 13 Aug 2019 08:43

Instrument :
BNA_N
ClientSampleId :
EXT-013-SW154-080519

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.5	23.3

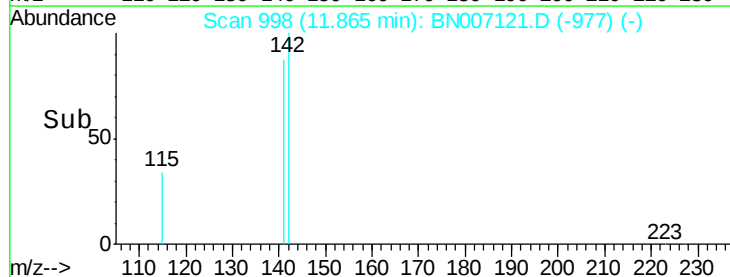
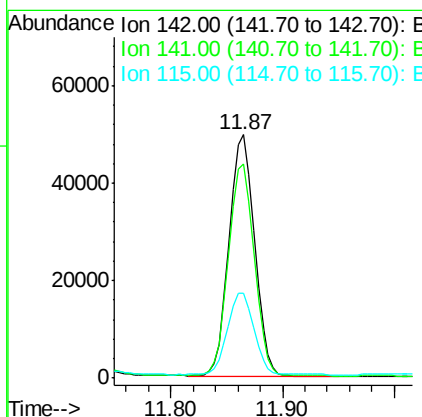
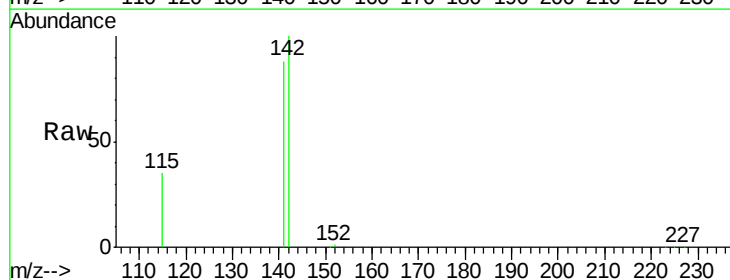
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#11
2-Methylnaphthalene
Concen: 1.018 ng
RT: 11.87 min Scan# 998
Delta R.T. -0.00 min
Lab File: BN007121.D
Acq: 13 Aug 2019 08:43

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.8	69.0	103.6
115	35.1	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: BN007121.D

Acq: 13 Aug 2019 08:43

Instrument :

BNA_N

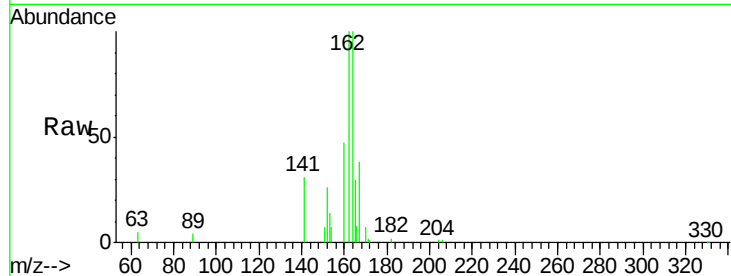
ClientSampleId :

EXT-013-SW154-080519

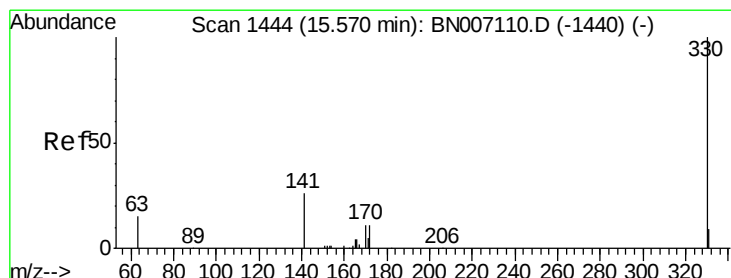
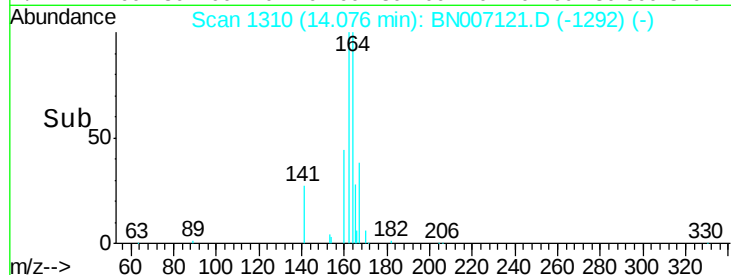
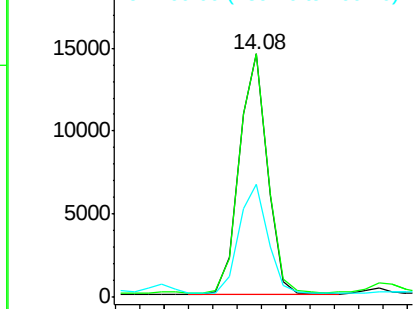
Tot Ion:	164	Resp:	23282
Ion Ratio	Lower	Upper	
164	100		
162	100.1	82.2	123.4
160	46.7	38.3	57.5

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#13

2,4,6-Tribromophenol

Concen: 0.211 ng

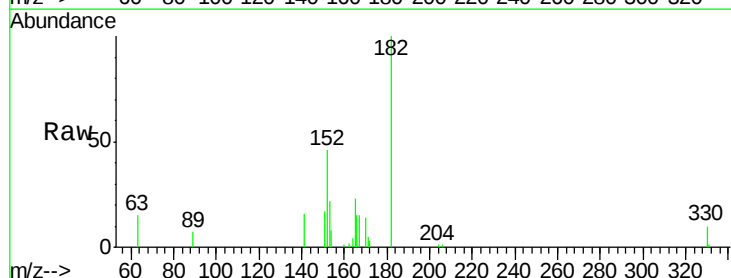
RT: 15.57 min Scan# 1444

Delta R.T. -0.00 min

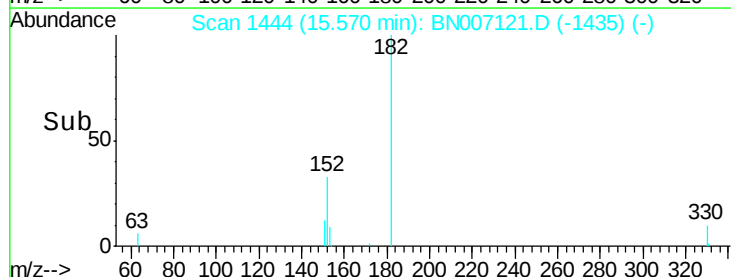
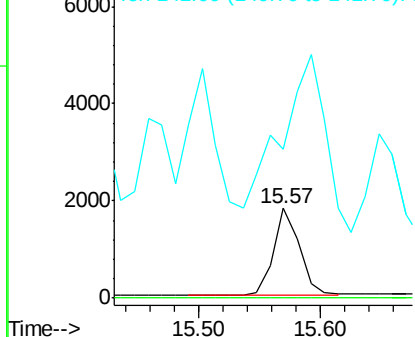
Lab File: BN007121.D

Acq: 13 Aug 2019 08:43

Tgt Ion:	330	Resp:	2646
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	0.0	33.6	50.4#



Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





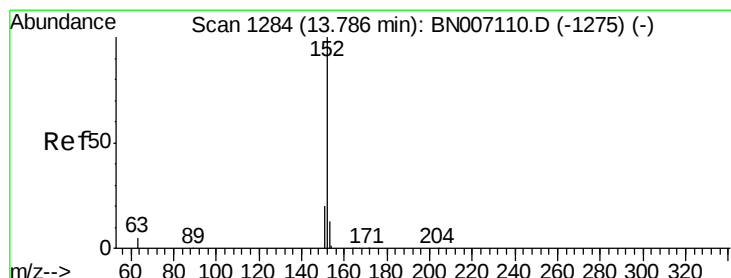
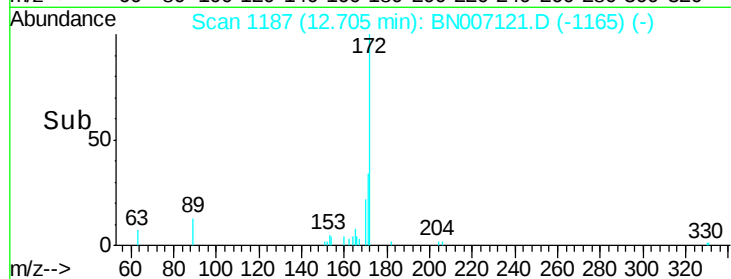
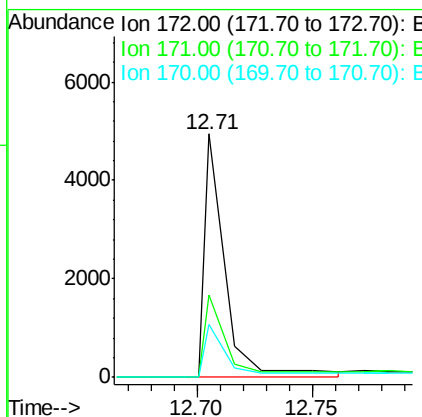
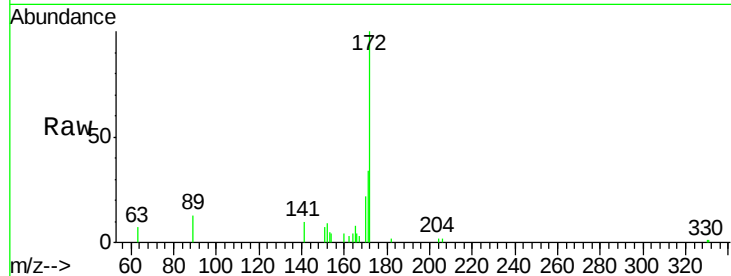
#14
2-Fluorobiphenyl
Concen: 0.100 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007121.D
Acq: 13 Aug 2019 08:43

Instrument :
BNA_N
ClientSampleId :
EXT-013-SW154-080519

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.8	26.3	39.5
170	21.5	17.0	25.4

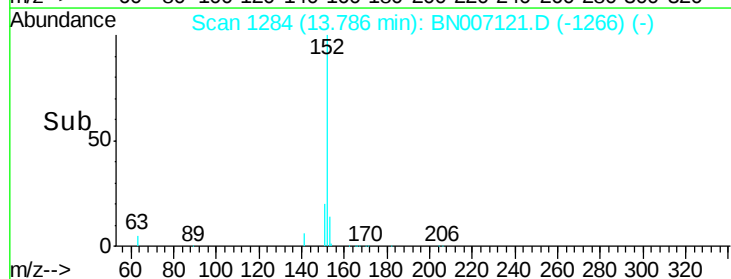
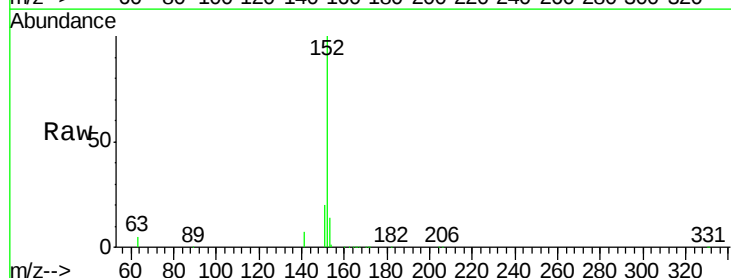
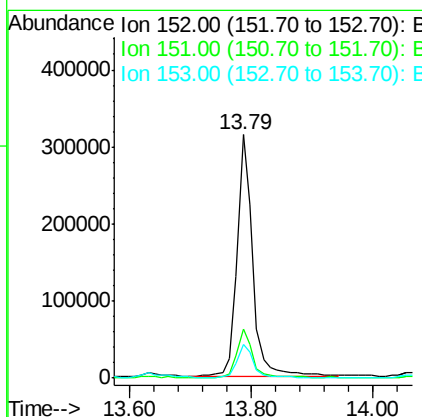
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#15
Acenaphthylene
Concen: 4.569 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007121.D
Acq: 13 Aug 2019 08:43

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.8	10.4	15.6





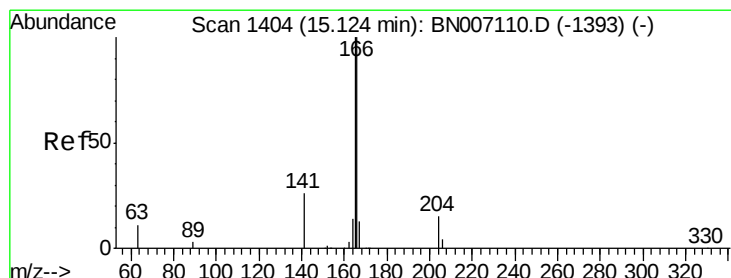
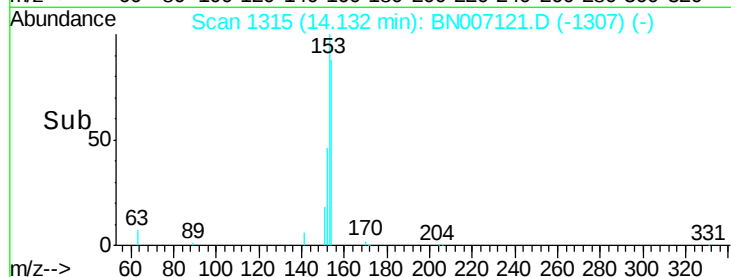
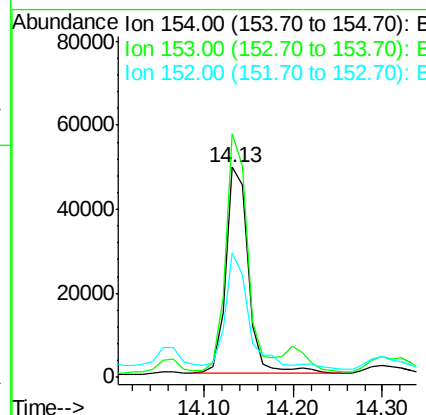
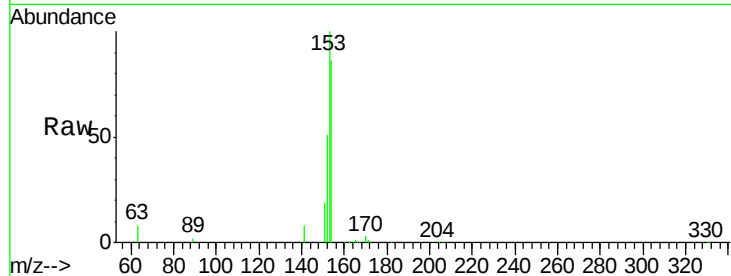
#16
Acenaphthene
Concen: 1.124 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007121.D
Acq: 13 Aug 2019 08:43

Instrument :
BNA_N
ClientSampleId :
EXT-013-SW154-080519

Tot Ion	Ratio	Lower	Upper
154	100		
153	109.3	89.5	134.3
152	51.9	44.8	67.2

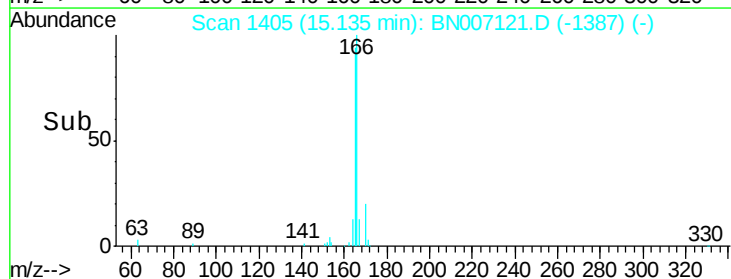
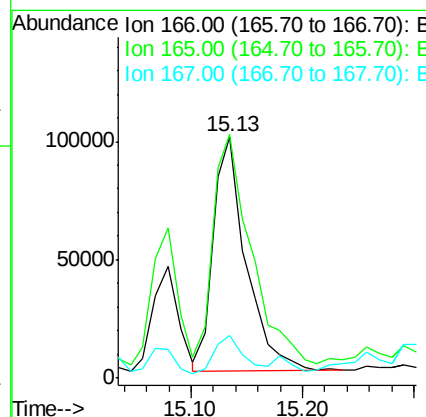
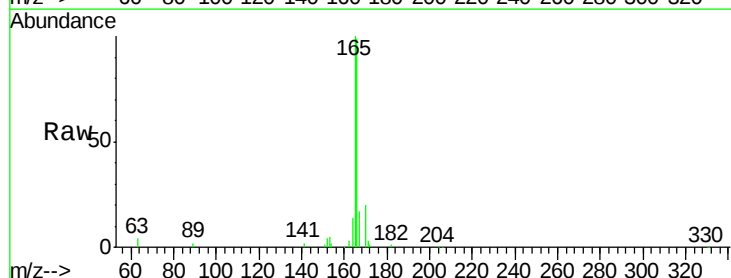
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#17
Fluorene
Concen: 1.736 ng
RT: 15.13 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BN007121.D
Acq: 13 Aug 2019 08:43

Tgt Ion	Ratio	Lower	Upper
166	100		
165	112.9	77.9	116.9
167	15.7	10.9	16.3





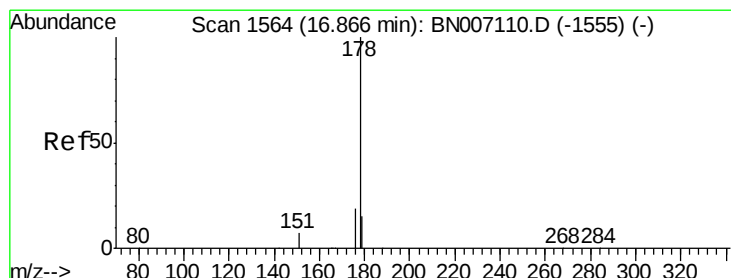
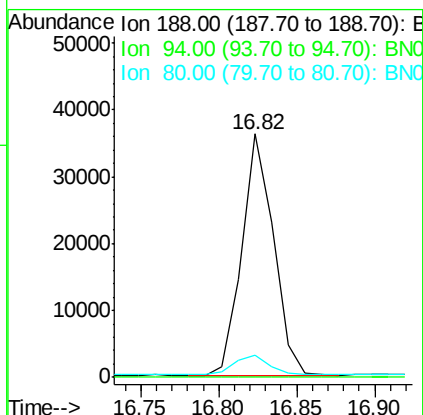
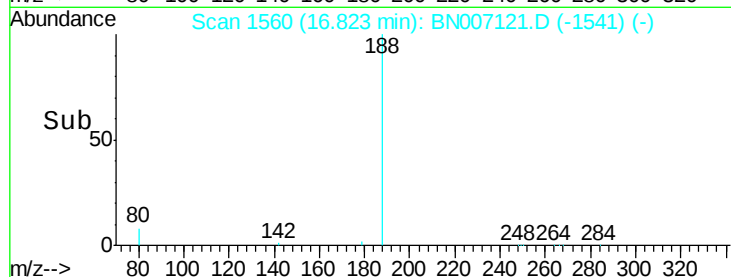
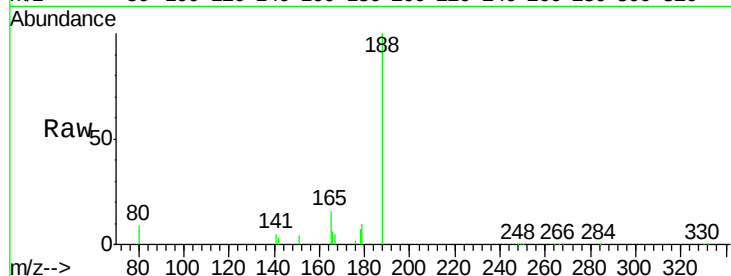
#18
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.82 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: BN007121.D
 Acq: 13 Aug 2019 08:43

Instrument :
 BNA_N
 ClientSampleId :
 EXT-013-SW154-080519

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.0	7.8	11.6

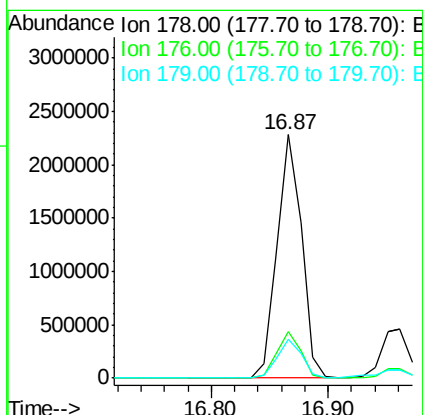
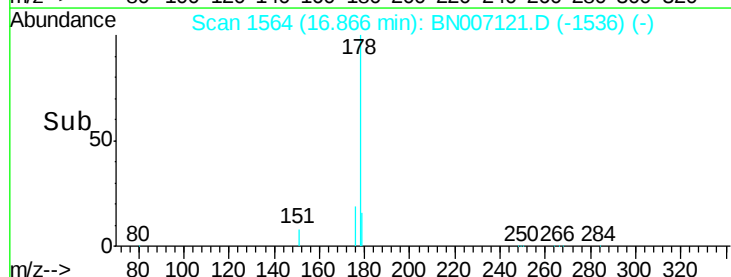
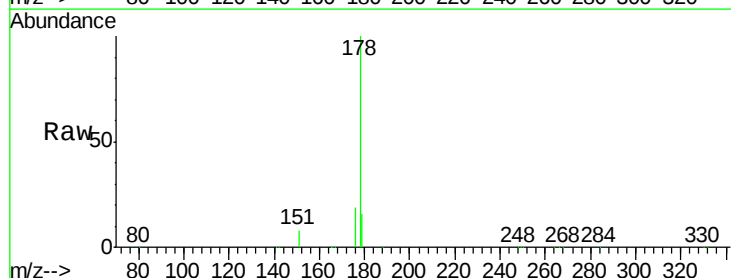
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#22
 Phenanthrene
 Concen: 21.786 ng
 RT: 16.87 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: BN007121.D
 Acq: 13 Aug 2019 08:43

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.0	15.2	22.8
179	16.1	12.3	18.5





#23

Anthracene

Concen: 5.255 ng

RT: 16.96 min Scan# 1573

Delta R.T. -0.00 min

Lab File: BN007121.D

Acq: 13 Aug 2019 08:43

Instrument :

BNA_N

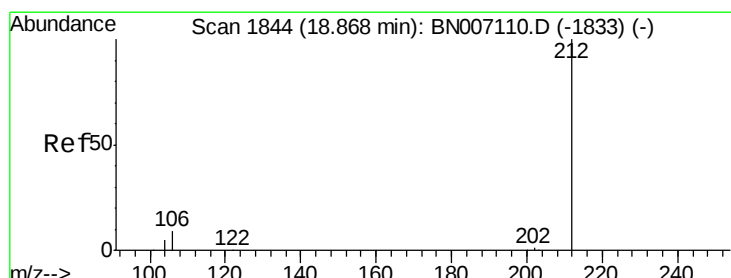
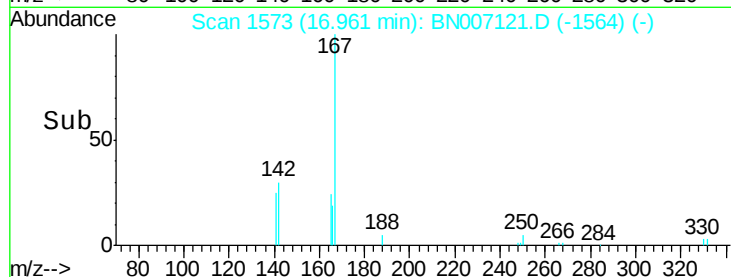
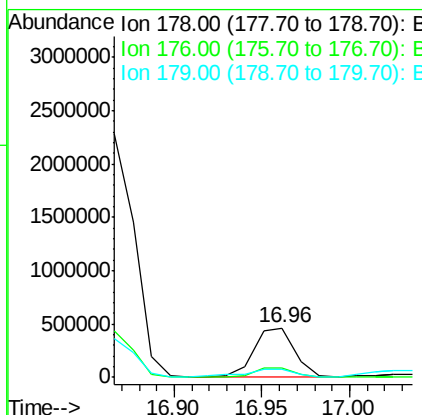
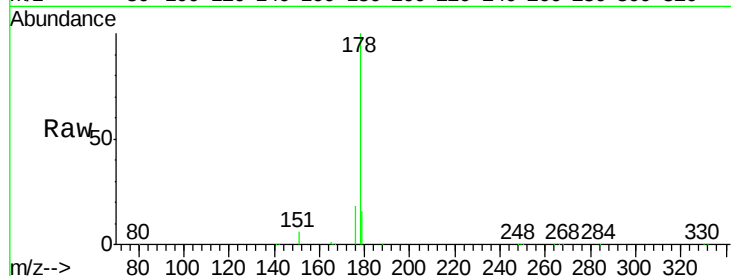
ClientSampleId :

EXT-013-SW154-080519

Tot Ion:178	Resp:	731369
Ion Ratio	Lower	Upper
178 100		
176 18.1	14.6	21.8
179 18.7	12.5	18.7

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#24

Fluoranthene-d10

Concen: 0.154 ng m

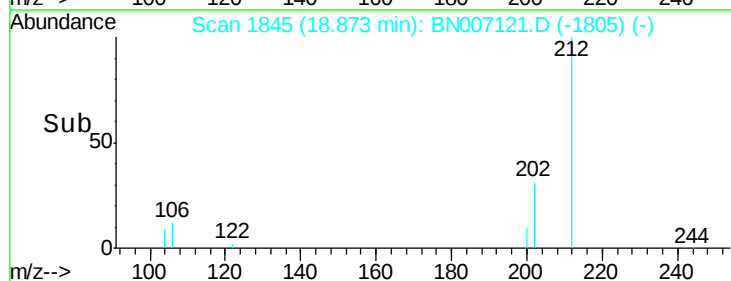
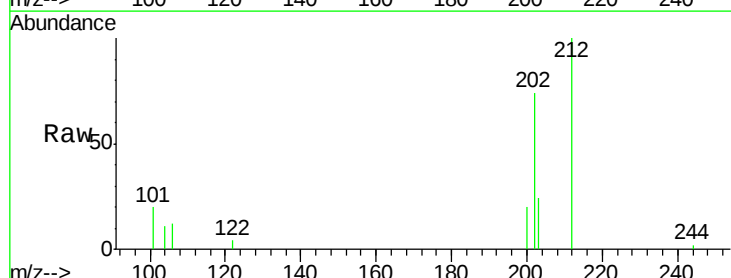
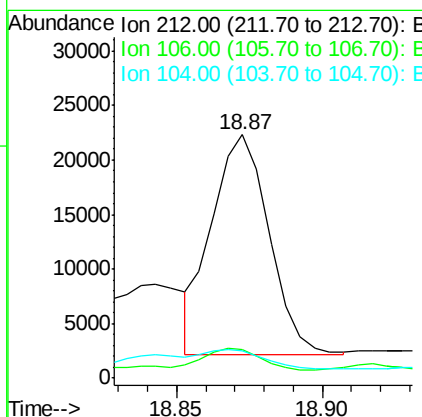
RT: 18.87 min Scan# 1845

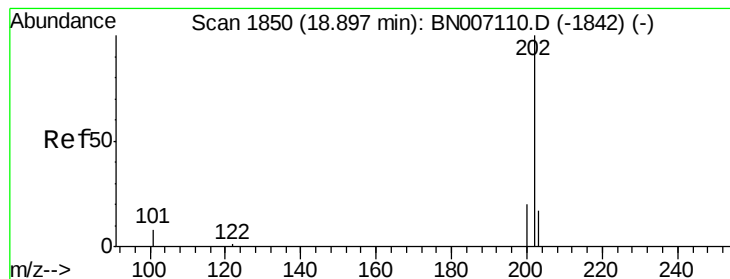
Delta R.T. -0.00 min

Lab File: BN007121.D

Acq: 13 Aug 2019 08:43

Tgt Ion:212	Resp:	27684
Ion Ratio	Lower	Upper
212 100		
106 2.2	8.2	12.2#
104 1.7	4.5	6.7#





#25

Fluoranthene

Concen: 24.134 ng

RT: 18.90 min Scan# 1851

Delta R.T. -0.00 min

Lab File: BN007121.D

Acq: 13 Aug 2019 08:43

Instrument :

BNA_N

ClientSampleId :

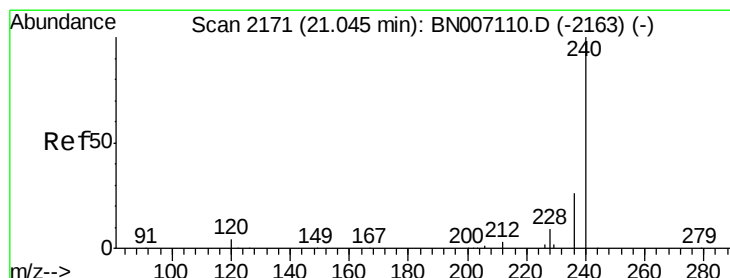
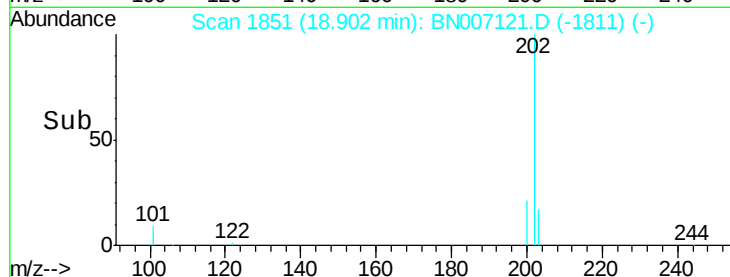
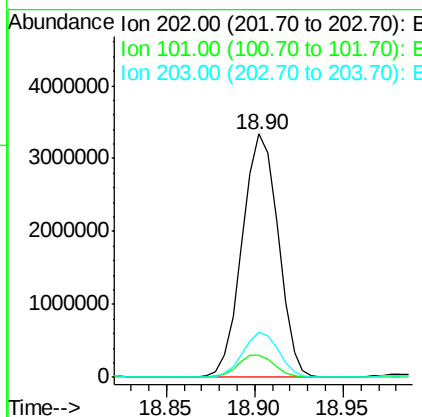
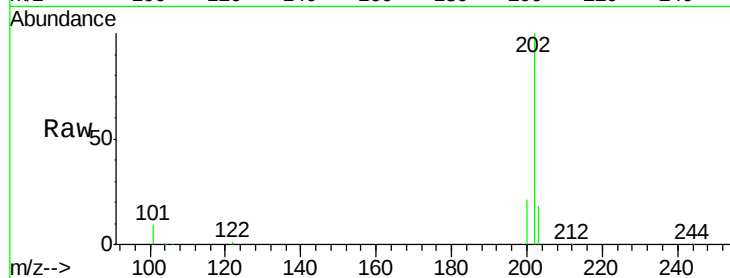
EXT-013-SW154-080519

Tot Ion:202 Resp: 4702434

Ion	Ratio	Lower	Upper
202	100		
101	9.2	7.0	10.4
203	18.3	13.8	20.8

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#26

Chrysene-d12

Concen: 0.400 ng

RT: 21.05 min Scan# 2171

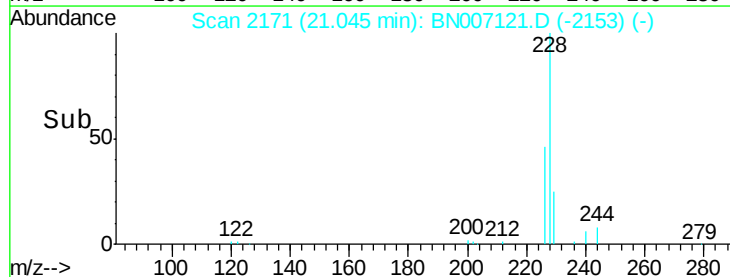
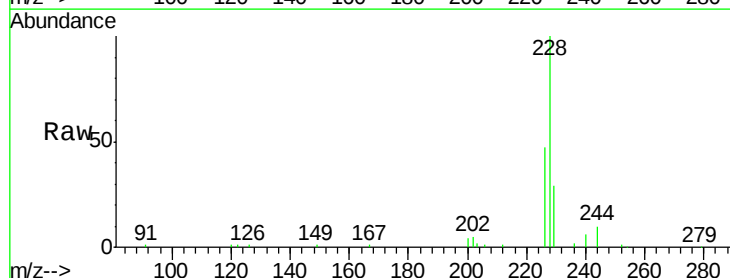
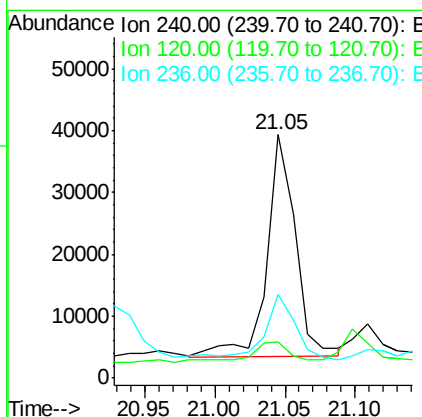
Delta R.T. -0.01 min

Lab File: BN007121.D

Acq: 13 Aug 2019 08:43

Tgt Ion:240 Resp: 51504

Ion	Ratio	Lower	Upper
240	100		
120	15.0	4.0	6.0#
236	34.1	21.3	31.9#





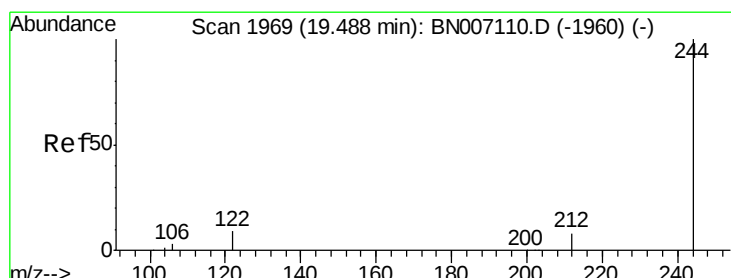
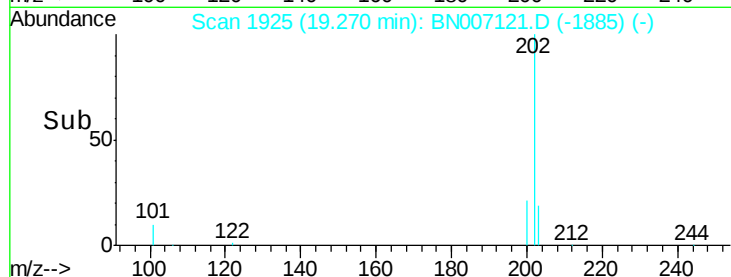
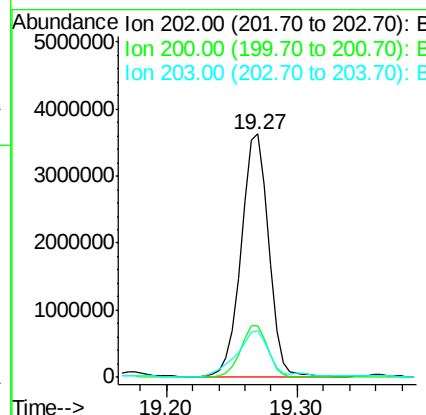
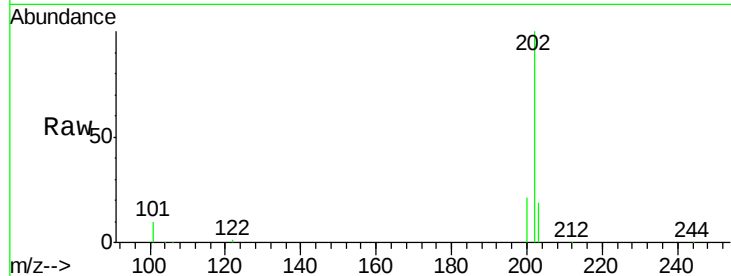
#27
Pvrene
Concen: 29.657 ng
RT: 19.27 min Scan# 1925
Delta R.T. -0.00 min
Lab File: BN007121.D
Acq: 13 Aug 2019 08:43

Instrument :
BNA_N
ClientSampleId :
EXT-013-SW154-080519

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.6	24.8
203	21.8	14.0	21.0#

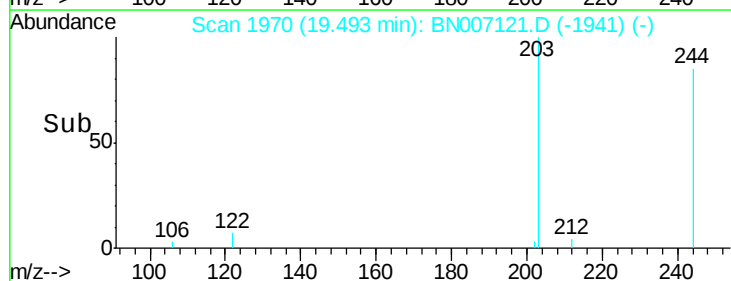
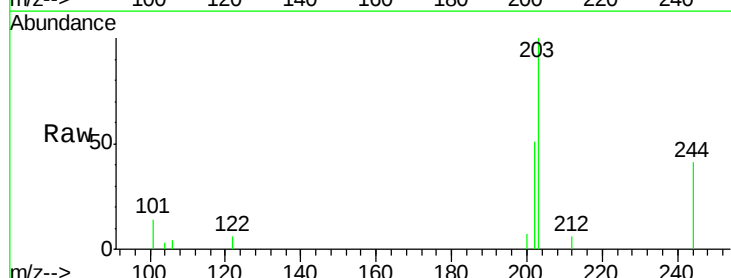
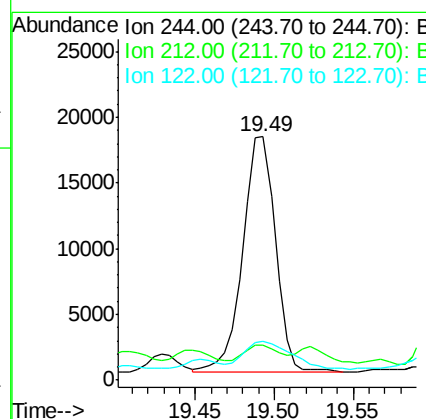
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#28
Terphenyl-d14
Concen: 0.182 ng
RT: 19.49 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BN007121.D
Acq: 13 Aug 2019 08:43

Tgt Ion	Ratio	Lower	Upper
244	100		
212	14.4	6.2	9.2#
122	15.9	7.4	11.2#





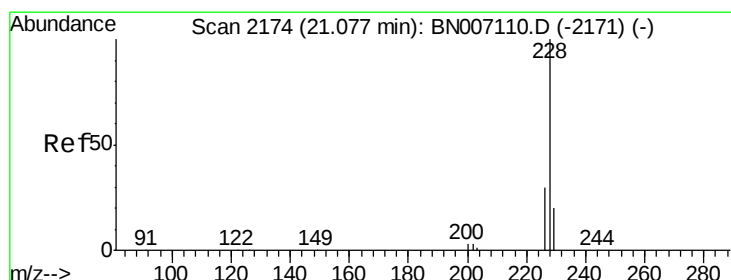
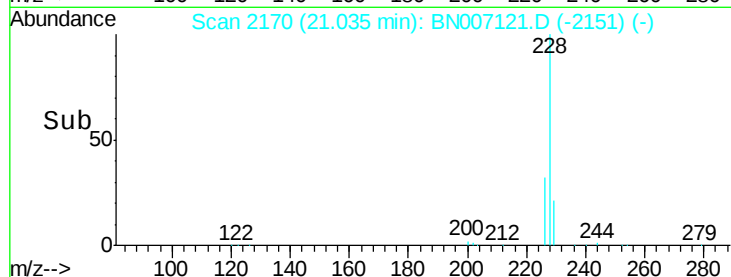
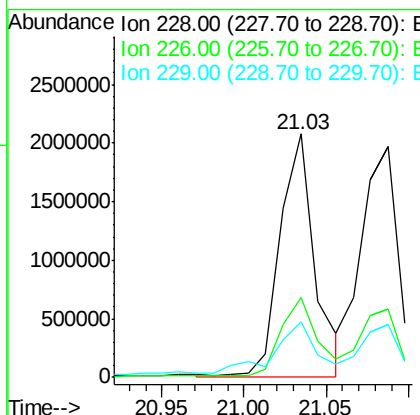
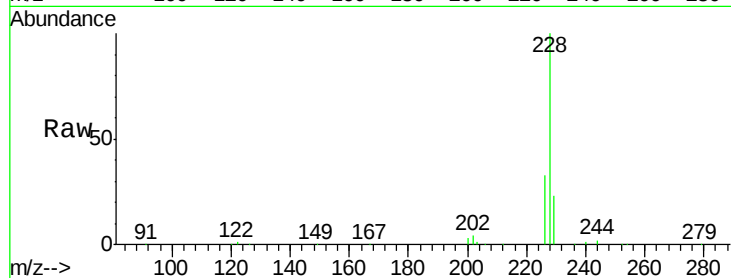
#29
Benzo(a)anthracene
Concen: 16.343 ng m
RT: 21.03 min Scan# 2170
Delta R.T. -0.00 min
Lab File: BN007121.D
Acq: 13 Aug 2019 08:43

Instrument :
BNA_N
ClientSampleId :
EXT-013-SW154-080519

Tot Ion:228 Resp: 3078297
Ion Ratio Lower Upper
228 100
226 32.8 21.8 32.6#
229 22.6 15.6 23.4

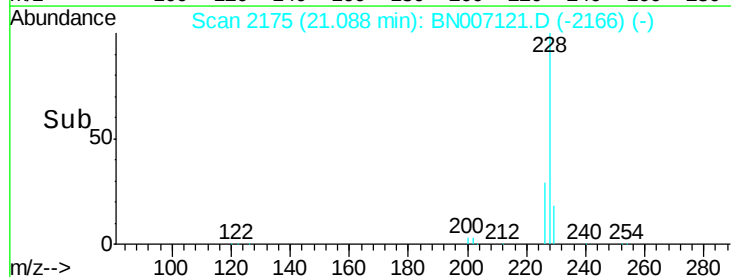
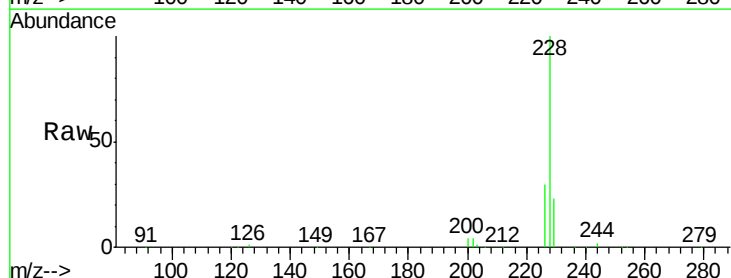
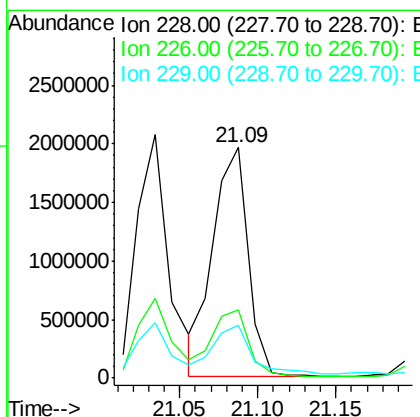
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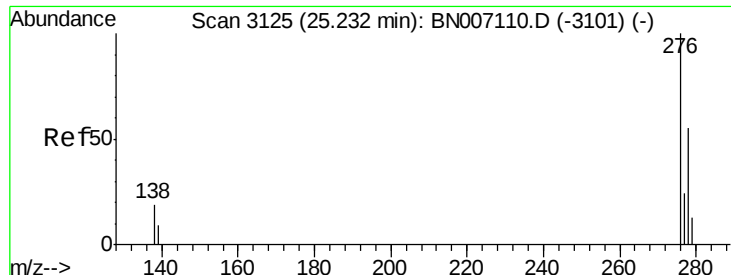
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#30
Chrysene
Concen: 16.680 ng
RT: 21.09 min Scan# 2175
Delta R.T. -0.00 min
Lab File: BN007121.D
Acq: 13 Aug 2019 08:43

Tgt Ion:228 Resp: 3052453
Ion Ratio Lower Upper
228 100
226 29.5 23.8 35.6
229 23.2 15.7 23.5





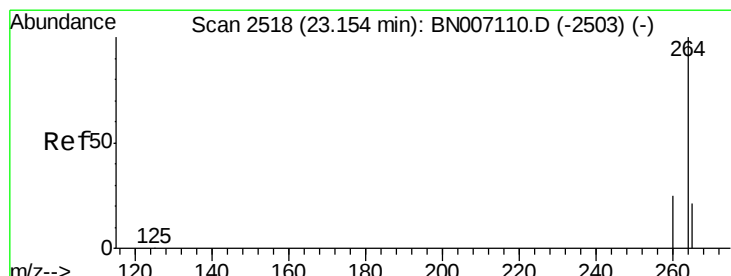
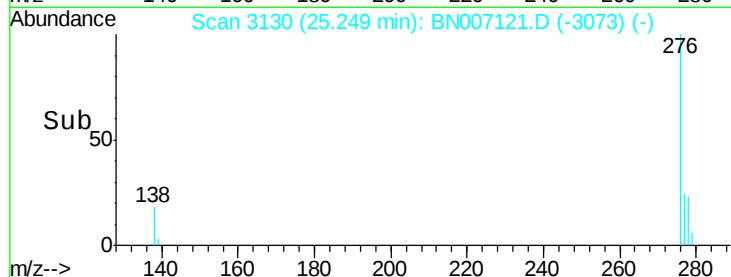
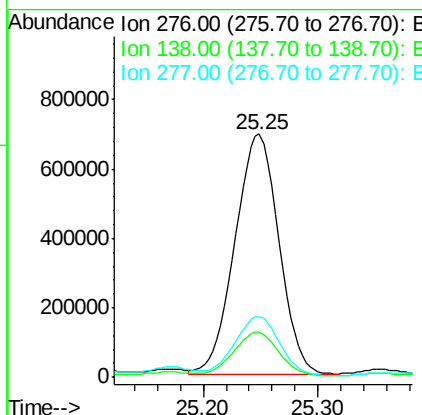
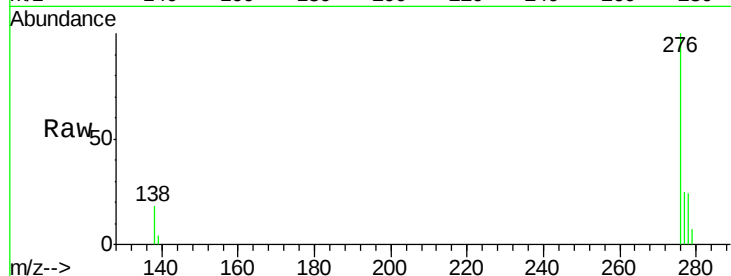
#31
Indeno(1,2,3-cd)pyrene
Concen: 9.064 ng
RT: 25.25 min Scan# 3130
Delta R.T. -0.00 min
Lab File: BN007121.D
Acq: 13 Aug 2019 08:43

Instrument :
BNA_N
ClientSampleId :
EXT-013-SW154-080519

Tot Ion:276 Resp: 1828252
Ion Ratio Lower Upper
276 100
138 18.4 16.0 24.0
277 25.0 19.9 29.9

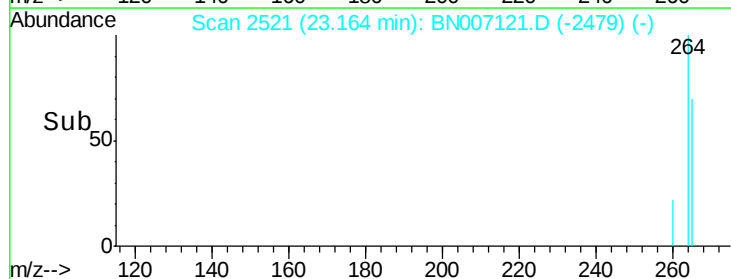
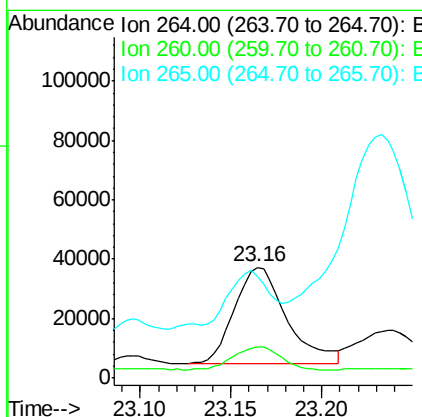
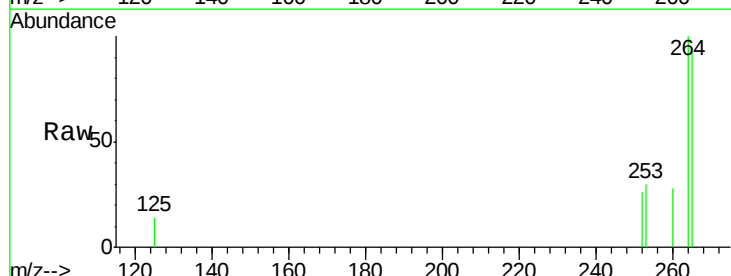
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#32
Perylene-d12
Concen: 0.400 ng
RT: 23.16 min Scan# 2521
Delta R.T. -0.01 min
Lab File: BN007121.D
Acq: 13 Aug 2019 08:43

Tgt Ion:264 Resp: 64271
Ion Ratio Lower Upper
264 100
260 28.2 19.8 29.8
265 92.1 26.2 39.4#





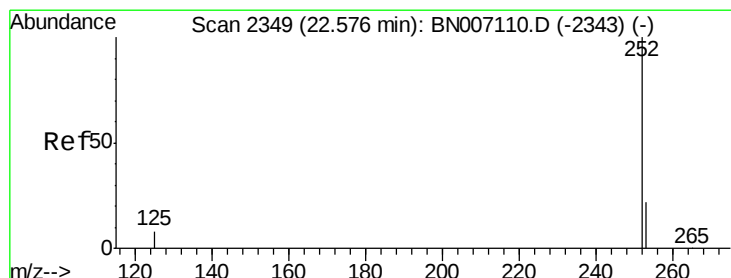
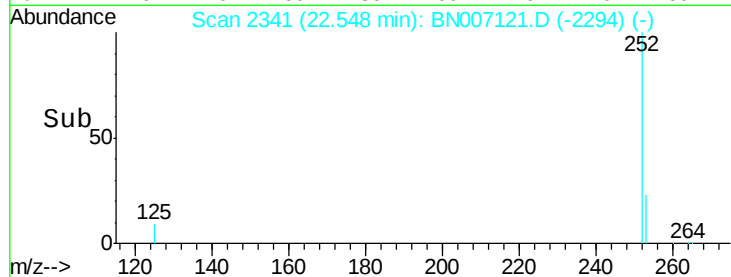
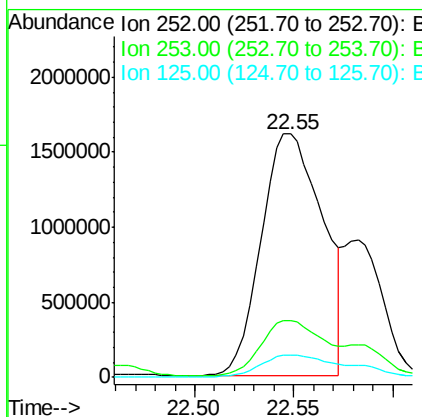
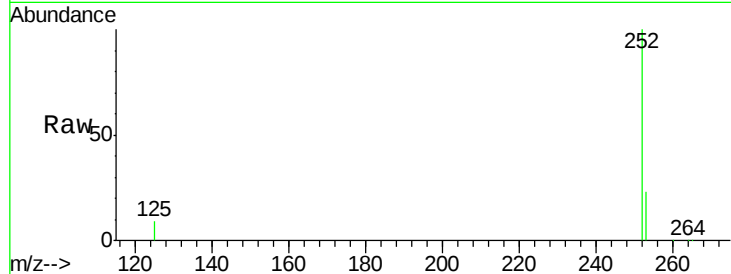
#33
Benzo(b)fluoranthene
Concen: 15.783 ng
RT: 22.55 min Scan# 2341
Delta R.T. -0.00 min
Lab File: BN007121.D
Acq: 13 Aug 2019 08:43

Instrument :
BNA_N
ClientSampleId :
EXT-013-SW154-080519

Tot Ion:252 Resp: 3478485
Ion Ratio Lower Upper
252 100
253 23.2 18.2 27.2
125 9.0 7.4 11.0

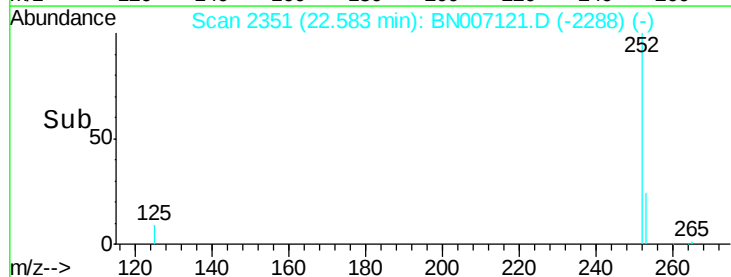
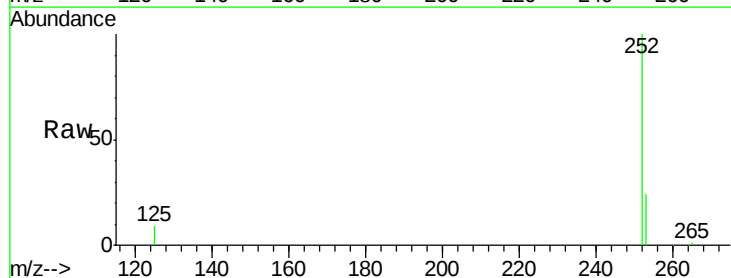
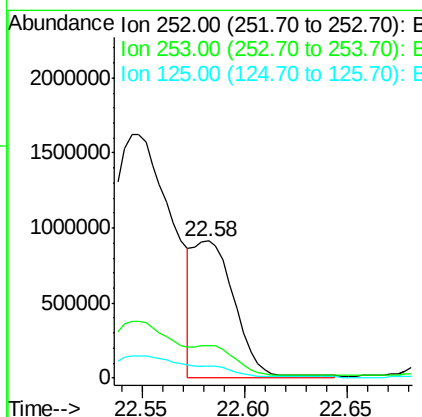
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#34
Benzo(k)fluoranthene
Concen: 5.923 ng m
RT: 22.58 min Scan# 2351
Delta R.T. -0.01 min
Lab File: BN007121.D
Acq: 13 Aug 2019 08:43

Tgt Ion:252 Resp: 1289139
Ion Ratio Lower Upper
252 100
253 24.1 18.1 27.1
125 8.8 7.4 11.0





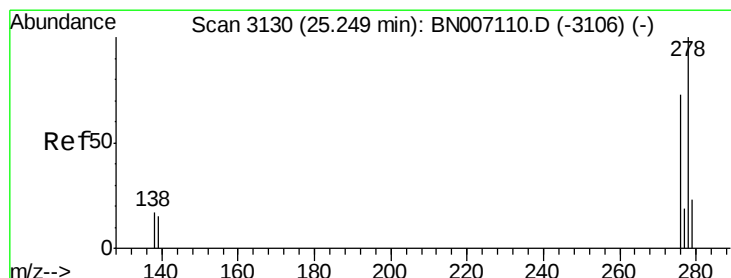
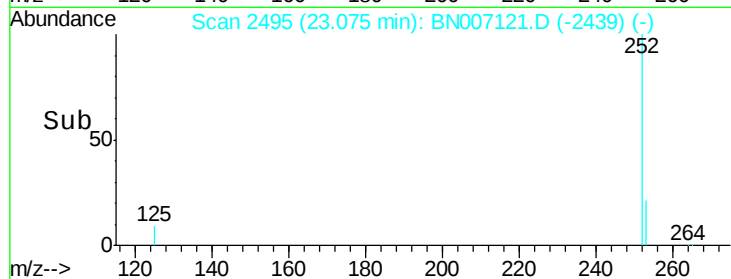
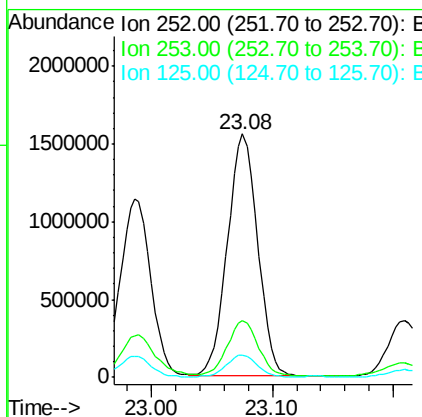
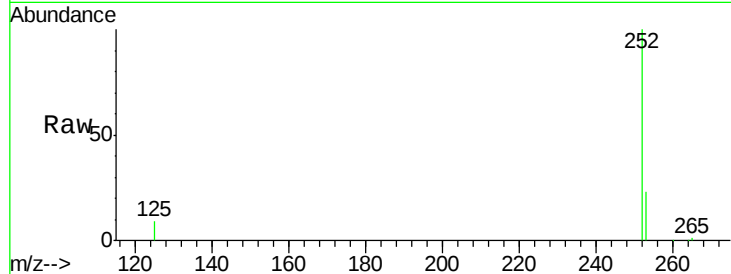
#35
Benzo(a)pyrene
Concen: 13.479 ng
RT: 23.08 min Scan# 2495
Delta R.T. -0.01 min
Lab File: BN007121.D
Acq: 13 Aug 2019 08:43

Instrument :
BNA_N
ClientSampleId :
EXT-013-SW154-080519

Tot Ion:252 Resp: 2693062
Ion Ratio Lower Upper
252 100
253 23.3 18.5 27.7
125 9.1 8.2 12.4

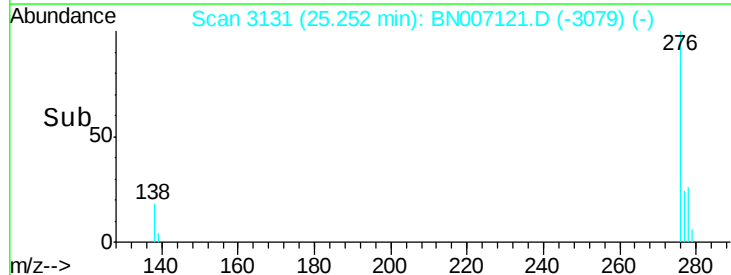
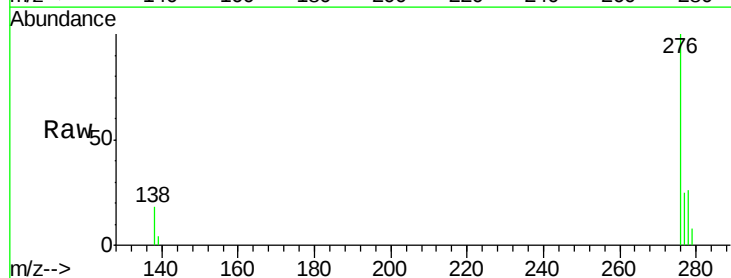
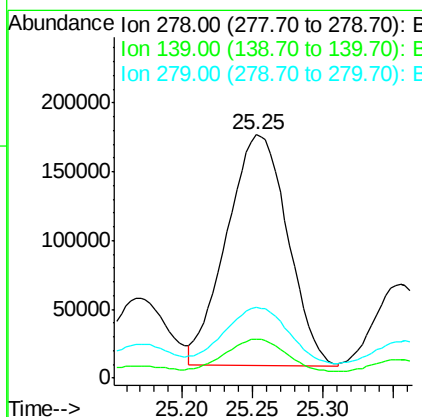
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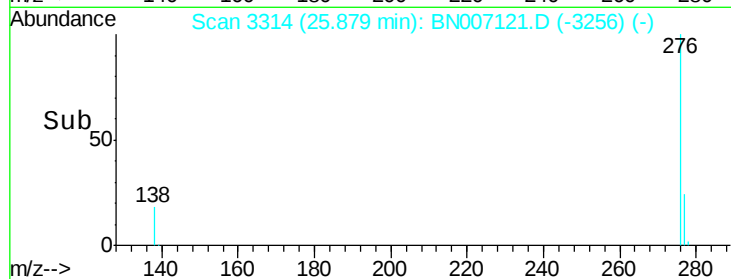
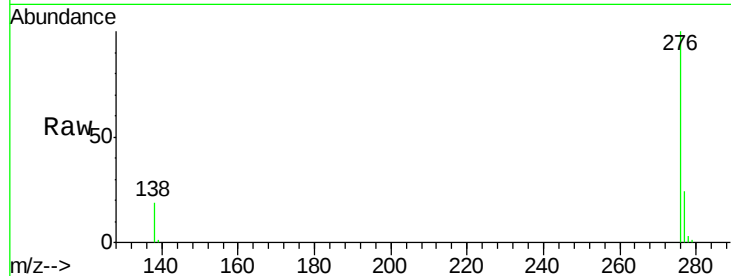
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#36
Dibenzo(a,h)anthracene
Concen: 2.548 ng
RT: 25.25 min Scan# 3131
Delta R.T. -0.02 min
Lab File: BN007121.D
Acq: 13 Aug 2019 08:43

Tgt Ion:278 Resp: 507847
Ion Ratio Lower Upper
278 100
139 16.0 11.3 16.9
279 28.9 19.3 28.9#





#37
 Benzo(a,h,i)perylene
 Concen: 9.341 ng
 RT: 25.88 min Scan# 3314
 Delta R.T. -0.00 min
 Lab File: BN007121.D
 Acq: 13 Aug 2019 08:43

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.8	29.8
138	18.7	14.6	22.0

Instrument :
 BNA_N
 ClientSampleId :
 EXT-013-SW154-080519

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