

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082120\
 Data File : BN011589.D
 Acq On : 22 Aug 2020 16:21
 Operator : CG/JU
 Sample : L3729-17
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 COMP-4-(3-4)

Manual Integrations
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 8/24/2020 1:51:00 PM

Quant Time: Aug 24 02:27:33 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082120.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Aug 22 04:52:07 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	1246	0.40	ng	0.00
7) Naphthalene-d8	10.14	136	4866	0.40	ng	-0.01
13) Acenaphthene-d10	14.03	164	3055	0.40	ng	0.00
19) Phenanthrene-d10	16.79	188	6574	0.40	ng	0.00
29) Chrysene-d12	21.00	240	7679	0.40	ng	-0.01
36) Perylene-d12	23.10	264	7875	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.06	112	840	0.32	ng	0.00
5) Phenol-d6	6.64	99	691	0.26	ng	0.00
8) Nitrobenzene-d5	8.55	82	1090	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	11.74	152	1787	0.21	ng	0.00
14) 2,4,6-Tribromophenol	15.54	330	351	0.23	ng	-0.01
15) 2-Fluorobiphenyl	12.64	172	4739	0.38	ng	-0.01
27) Fluoranthene-d10	18.82	212	5005	0.23	ng	-0.02
31) Terphenyl-d14	19.45	244	7678	0.38	ng	-0.01

Target Compounds

						Qvalue
9) Naphthalene	10.19	128	4648	0.330	ng	99
12) 2-Methylnaphthalene	11.82	142	1312	0.135	ng	# 94
16) Acenaphthylene	13.73	152	9834	0.633	ng	99
17) Acenaphthene	14.09	154	410	0.040	ng	99
18) Fluorene	15.09	166	1490	0.110	ng	86
25) Phenanthrene	16.82	178	31651	1.529	ng	100
26) Anthracene	16.92	178	8062	0.467	ng	# 96
28) Fluoranthene	18.86	202	93735	3.521	ng	99
30) Pyrene	19.22	202	129757	4.248	ng	99
32) Benzo(a)anthracene	20.99	228	58238m	2.309	ng	
33) Chrysene	21.04	228	55894	1.948	ng	98
34) Bis(2-ethylhexyl)phthalate	20.95	149	753	0.068	ng	96
35) Indeno(1,2,3-cd)pyrene	25.12	276	79823	3.063	ng	99
37) Benzo(b)fluoranthene	22.49	252	94125m	3.233	ng	
38) Benzo(k)fluoranthene	22.52	252	30341m	0.875	ng	
39) Benzo(a)pyrene	23.01	252	74110	2.751	ng	# 74
40) Dibenzo(a,h)anthracene	25.13	278	12019	0.534	ng	# 84
41) Benzo(a,h,i)perylene	25.73	276	107380	3.997	ng	93

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

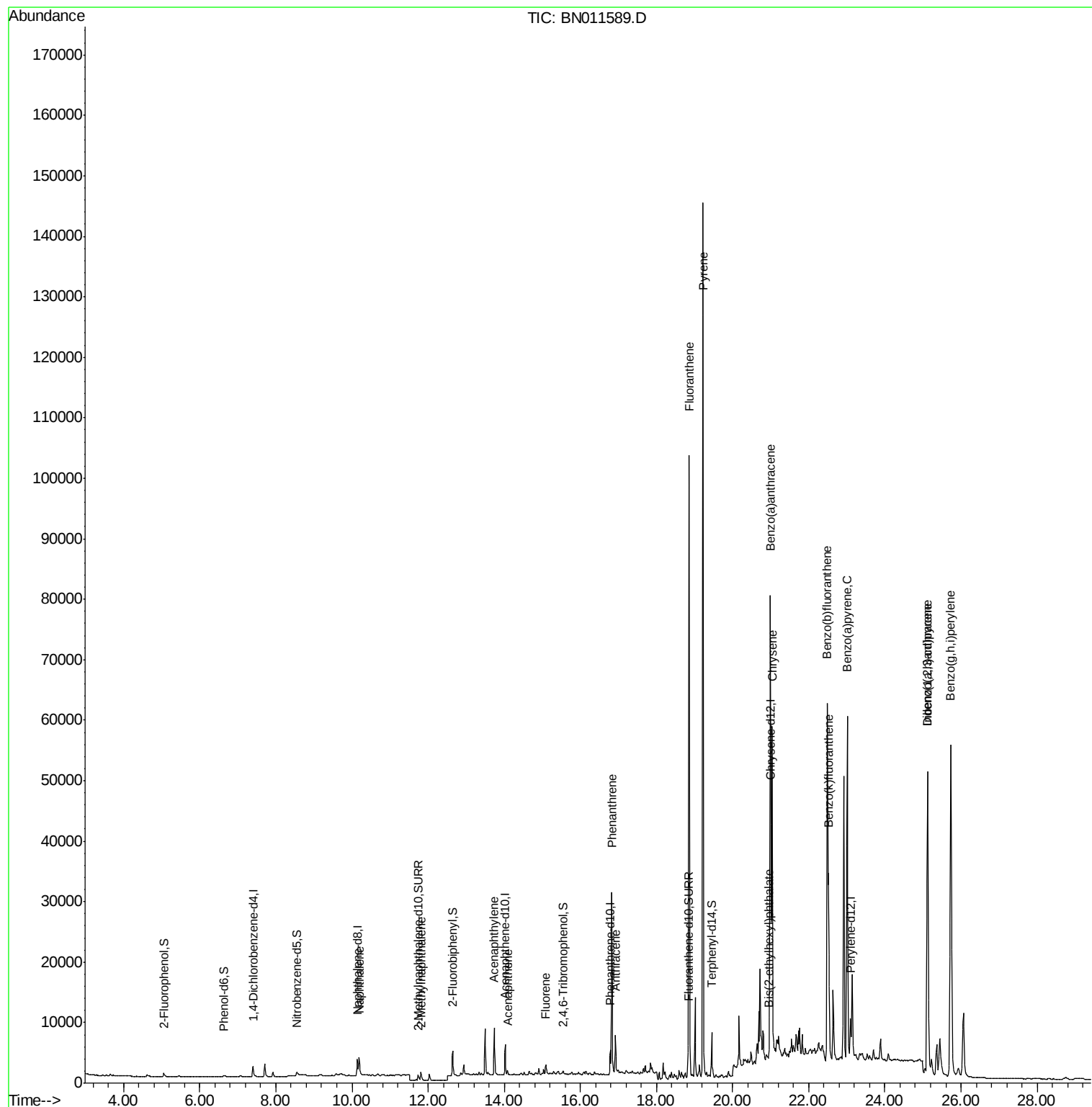
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082120\
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ALS Vial : 34 Sample Multiplier: 1

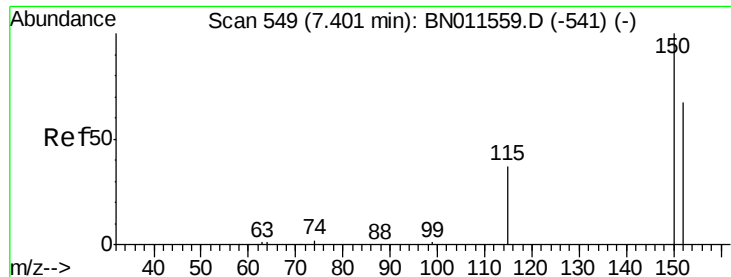
Instrument :
BNA_N
ClientSampleId :
COMP-4-(3-4)

Manual Integrations
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#1

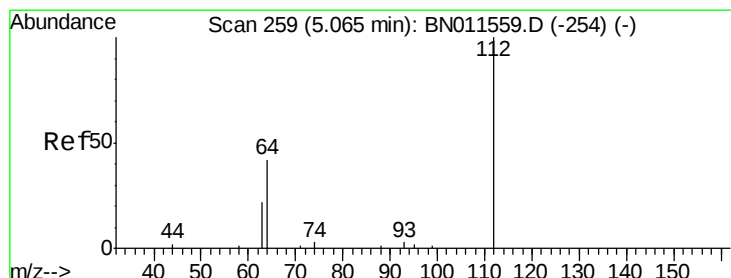
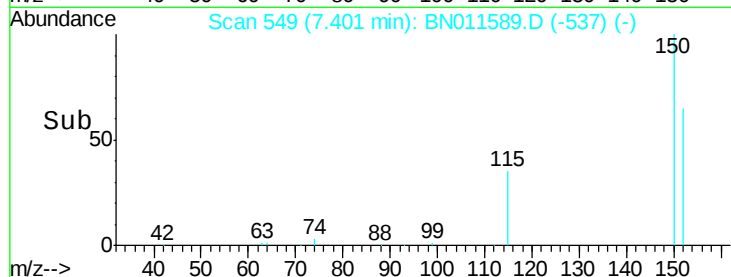
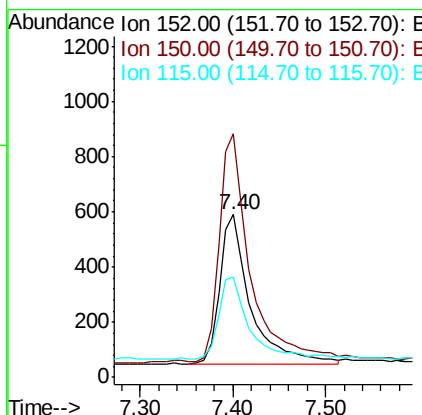
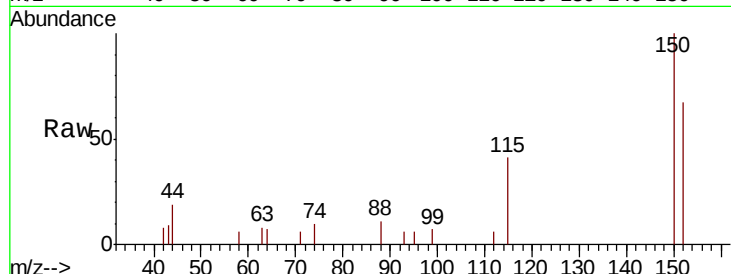
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 549
Delta R.T. -0.00 min
Lab File: BN011589.D
Acq: 22 Aug 2020 16:21

Instrument :
BNA_N
ClientSampleId :
COMP-4-(3-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.7	117.1	175.7
115	61.5	48.7	73.1

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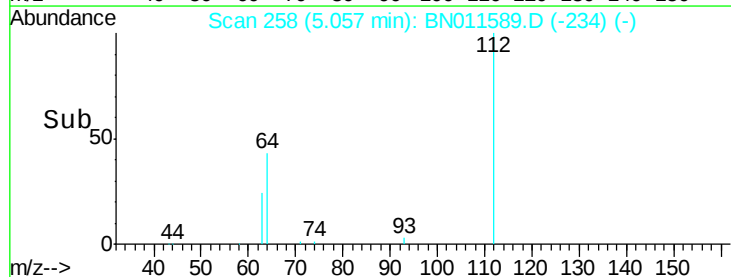
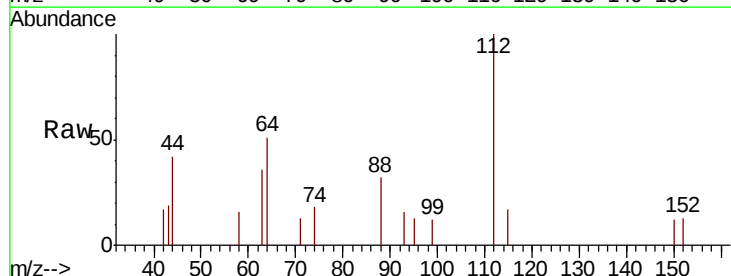
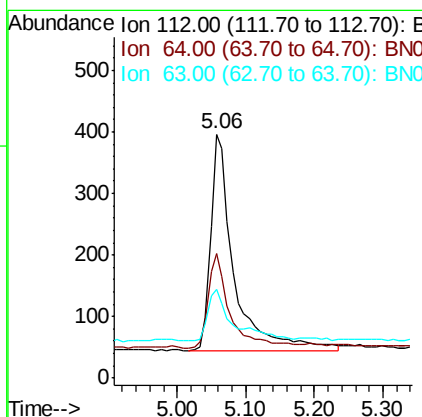
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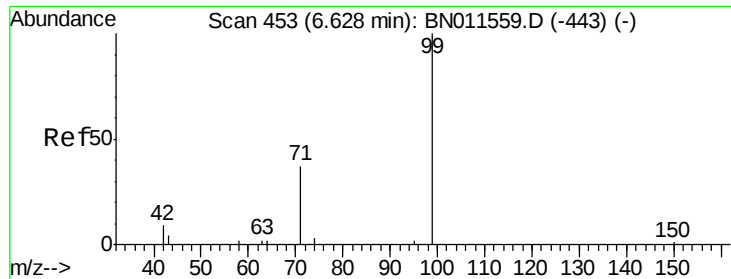


#4

2-Fluorophenol
Concen: 0.316 ng
RT: 5.06 min Scan# 259
Delta R.T. -0.01 min
Lab File: BN011589.D
Acq: 22 Aug 2020 16:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	41.1	33.9	50.9
63	24.9	17.7	26.5





#5

Phenol-d6

Concen: 0.257 ng

RT: 6.64 min Scan# 454

Delta R.T. 0.01 min

Lab File: BN011589.D

Acq: 22 Aug 2020 16:21

Instrument :

BNA_N

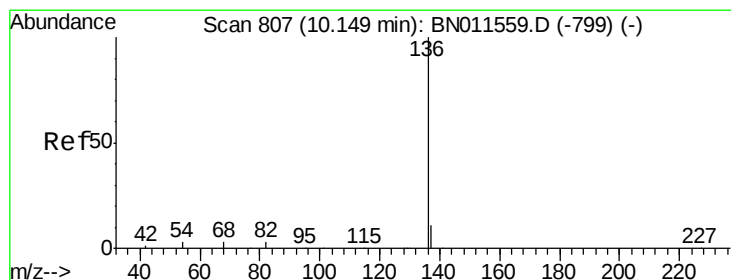
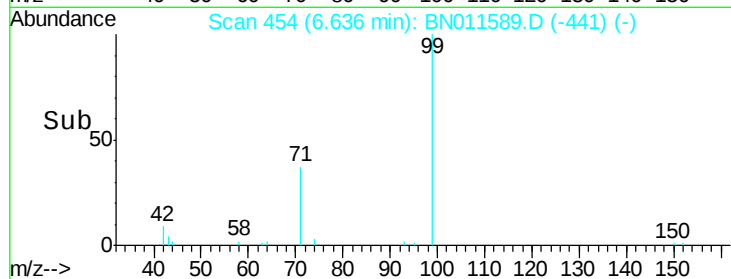
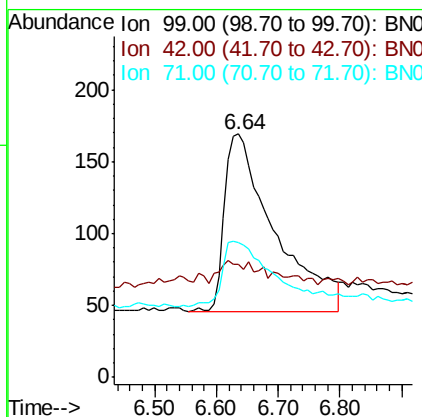
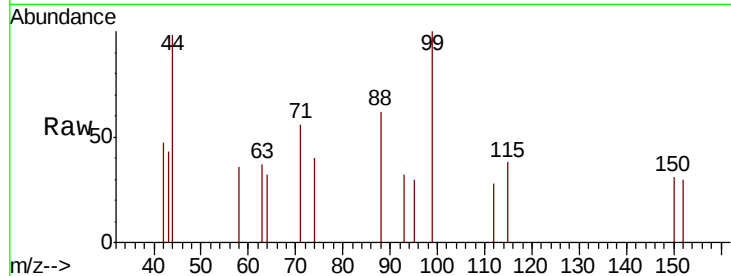
ClientSampleId :

COMP-4-(3-4)

Tot Ion:	99	Resp:	691
Ion	Ratio	Lower	Upper
99	100		
42	10.9	9.0	13.4
71	39.5	30.4	45.6

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#7

Naphthalene-d8

Concen: 0.400 ng

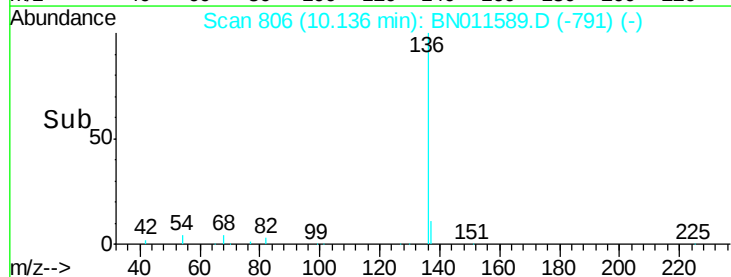
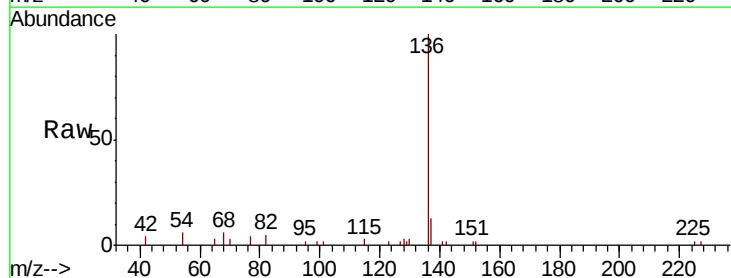
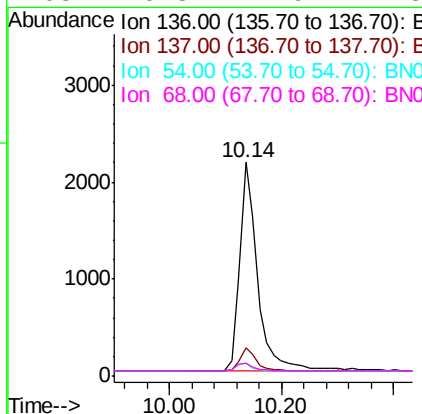
RT: 10.14 min Scan# 806

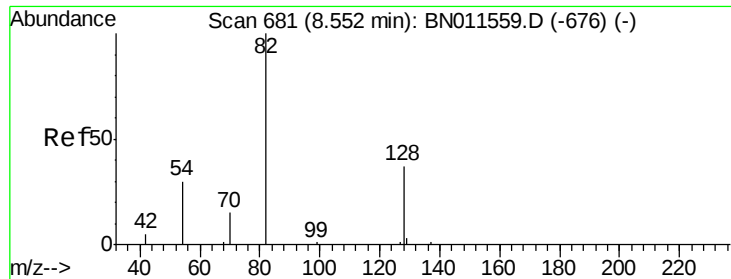
Delta R.T. -0.01 min

Lab File: BN011589.D

Acq: 22 Aug 2020 16:21

Tgt Ion:	136	Resp:	4866
Ion	Ratio	Lower	Upper
136	100		
137	13.3	11.0	16.4
54	5.8	4.3	6.5
68	6.3	4.9	7.3





#8

Nitrobenzene-d5

Concen: 0.341 ng

RT: 8.55 min Scan# 681

Delta R.T. -0.00 min

Lab File: BN011589.D

Acq: 22 Aug 2020 16:21

Instrument :

BNA_N

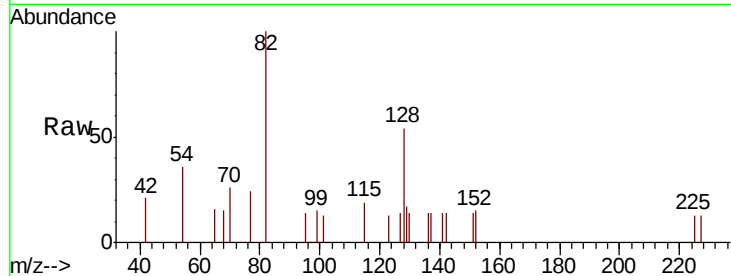
ClientSampleId :

COMP-4-(3-4)

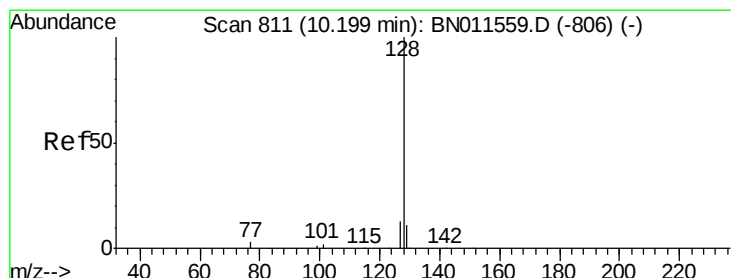
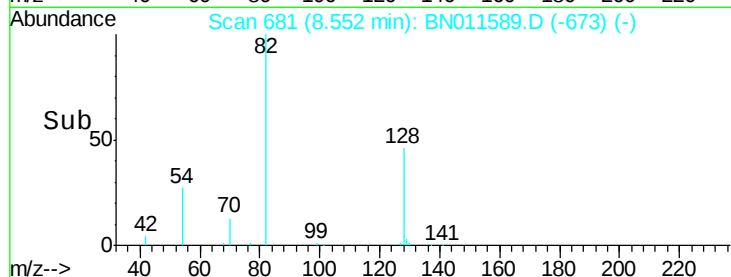
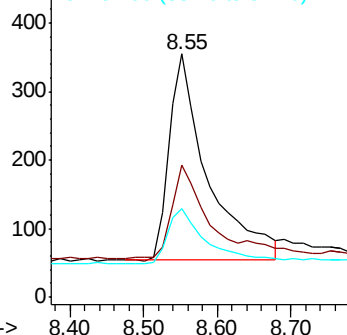
Tot Ion:	82	Resp:	1090
Ion	Ratio	Lower	Upper
82	100		
128	54.4	41.7	62.5
54	36.3	34.4	51.6

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Abundance Ion 82.00 (81.70 to 82.70): BN011559.D (-676) (-)



#9

Naphthalene

Concen: 0.330 ng

RT: 10.19 min Scan# 810

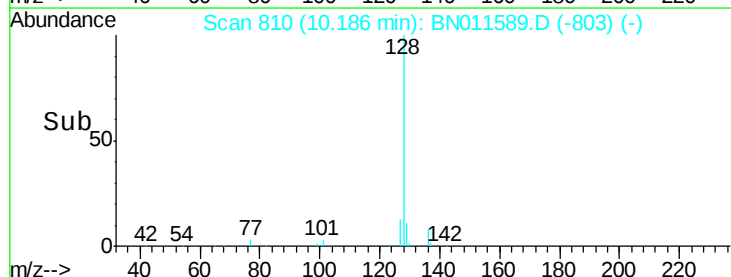
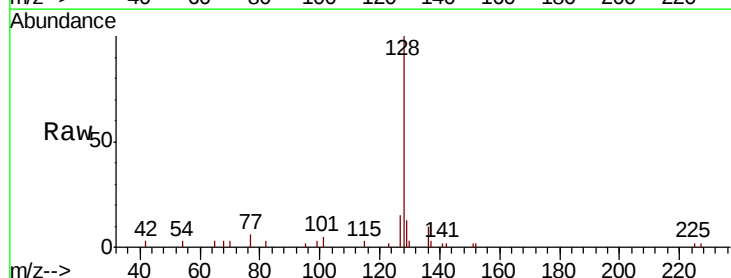
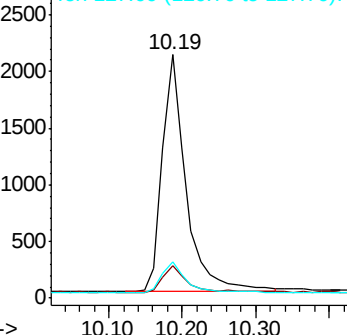
Delta R.T. -0.01 min

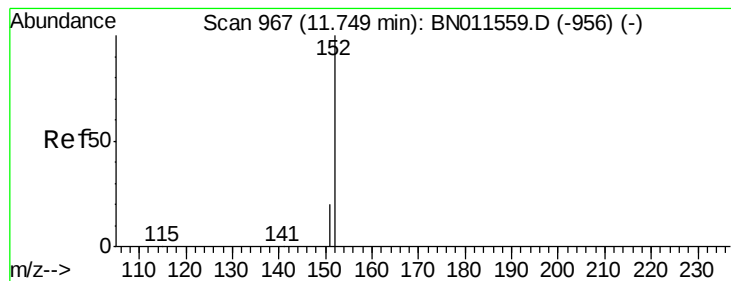
Lab File: BN011589.D

Acq: 22 Aug 2020 16:21

Tgt Ion:	128	Resp:	4648
Ion	Ratio	Lower	Upper
128	100		
129	13.2	10.8	16.2
127	15.0	12.3	18.5

Abundance Ion 128.00 (127.70 to 128.70): BN011559.D (-806) (-)





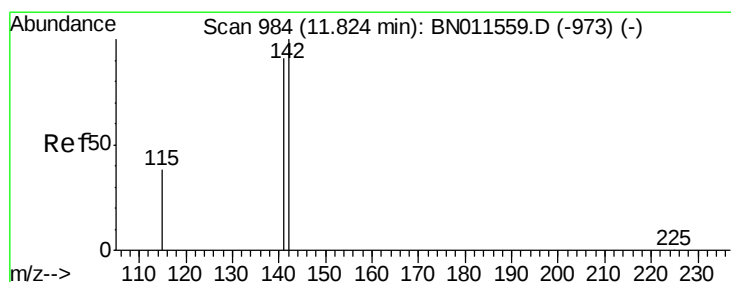
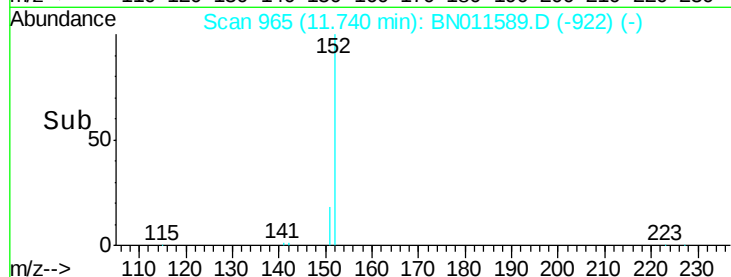
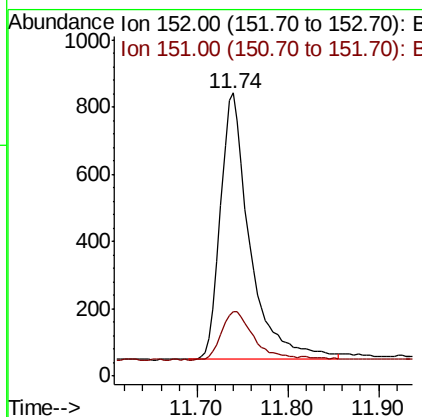
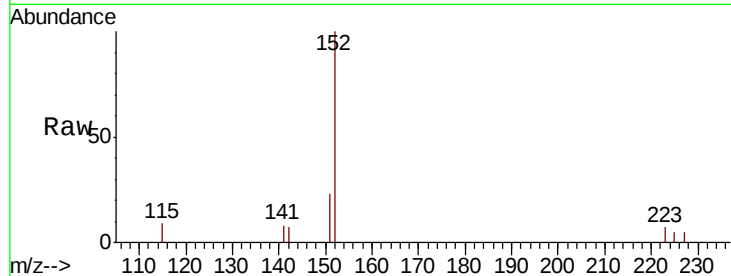
#11
2-Methylnaphthalene-d10
Concen: 0.206 ng
RT: 11.74 min Scan# 965
Delta R.T. -0.01 min
Lab File: BN011589.D
Acq: 22 Aug 2020 16:21

Instrument :
BNA_N
ClientSampleId :
COMP-4-(3-4)

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.6	24.8

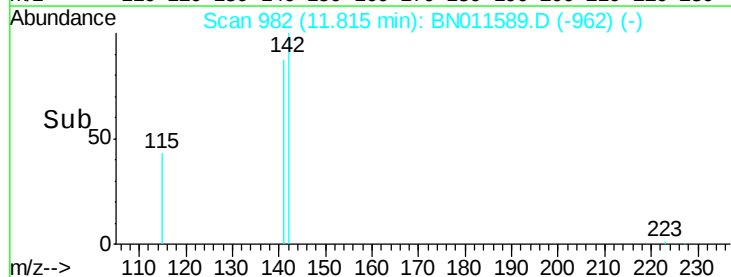
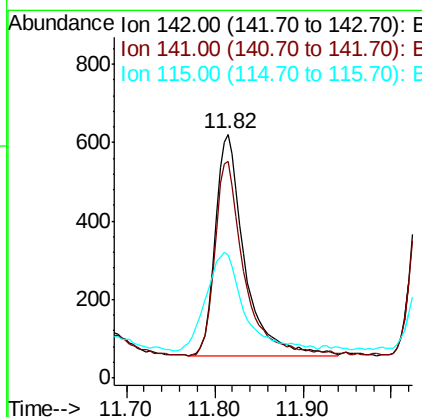
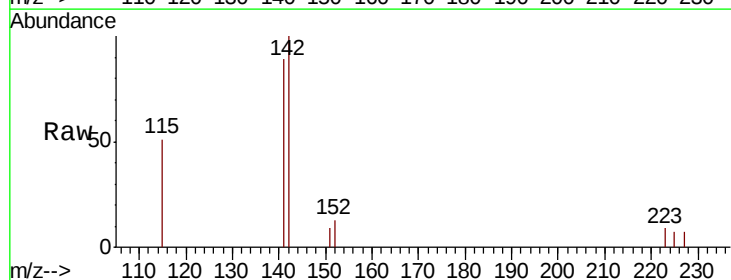
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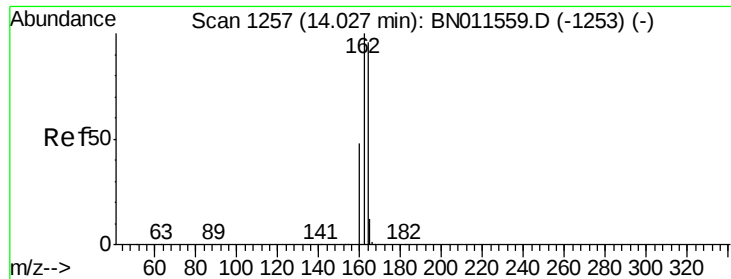
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#12
2-Methylnaphthalene
Concen: 0.135 ng
RT: 11.82 min Scan# 982
Delta R.T. -0.01 min
Lab File: BN011589.D
Acq: 22 Aug 2020 16:21

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.9	73.0	109.6
115	50.6	33.4	50.0#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1257

Delta R.T. -0.00 min

Lab File: BN011589.D

Acq: 22 Aug 2020 16:21

Instrument :

BNA_N

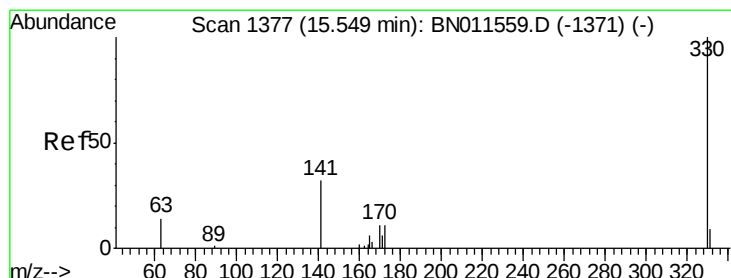
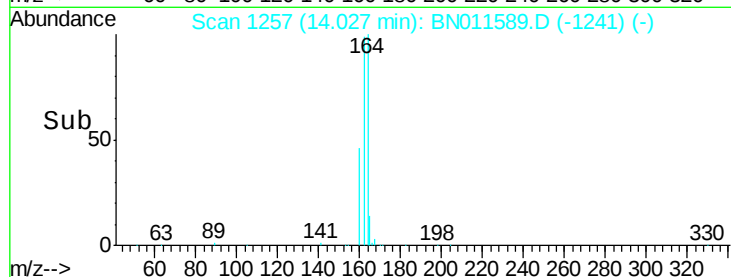
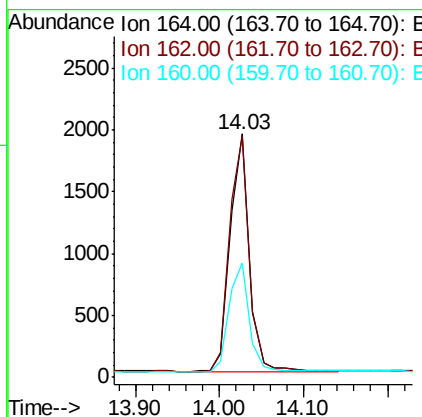
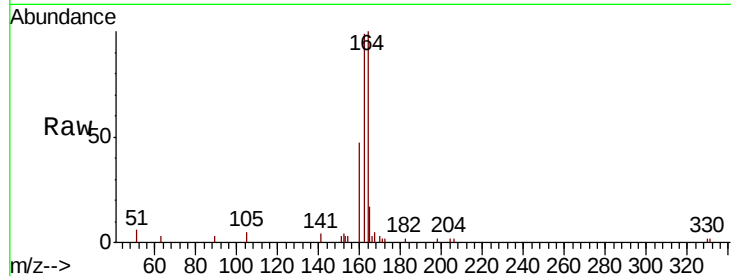
ClientSampled :

COMP-4-(3-4)

Tot Ion:	164	Resp:	3055
Ion Ratio	Lower	Upper	
164	100		
162	98.8	83.7	125.5
160	47.1	41.1	61.7

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#14

2,4,6-Tribromophenol

Concen: 0.231 ng

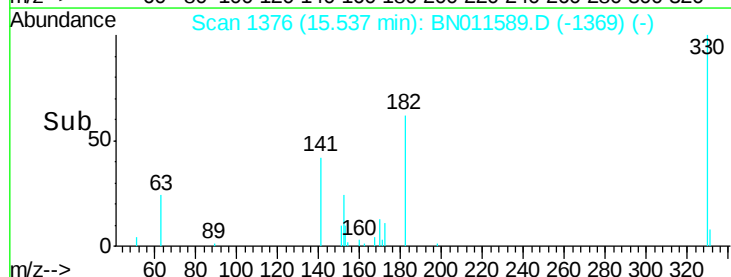
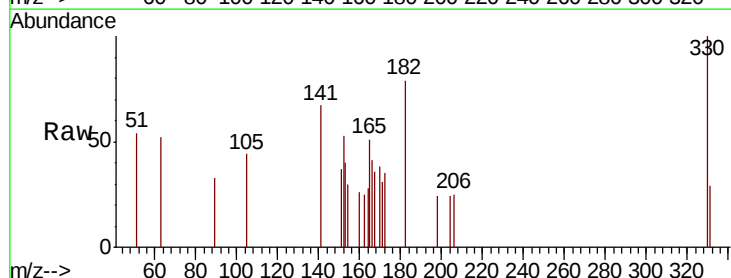
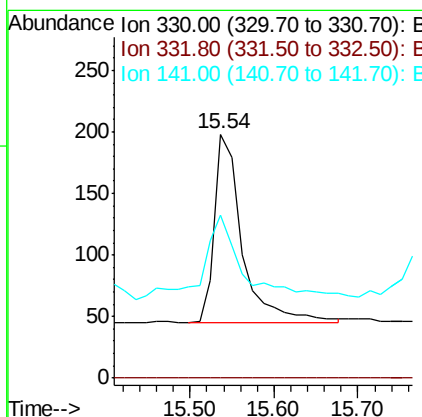
RT: 15.54 min Scan# 1376

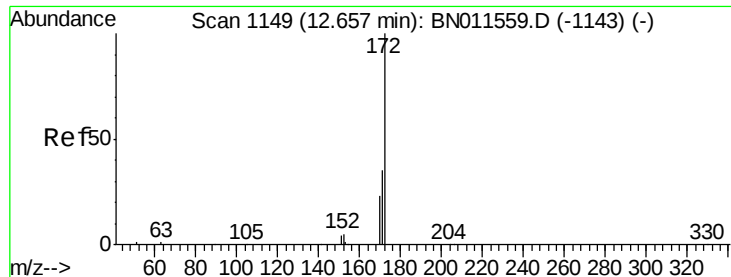
Delta R.T. -0.01 min

Lab File: BN011589.D

Acq: 22 Aug 2020 16:21

Tgt Ion:	330	Resp:	351
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	53.3	34.6	52.0#





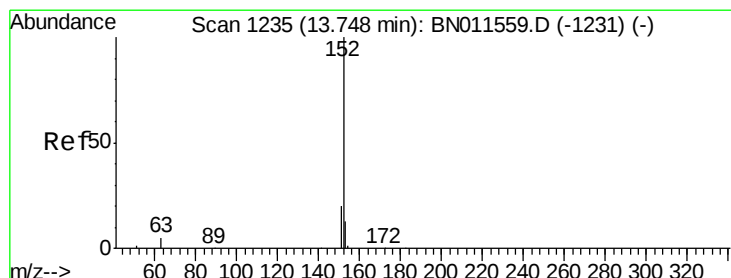
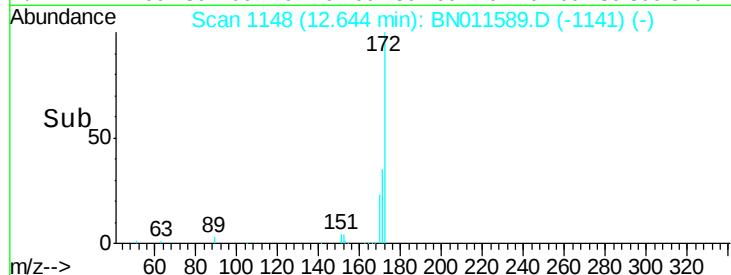
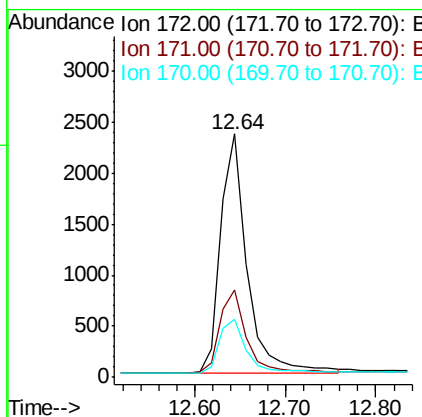
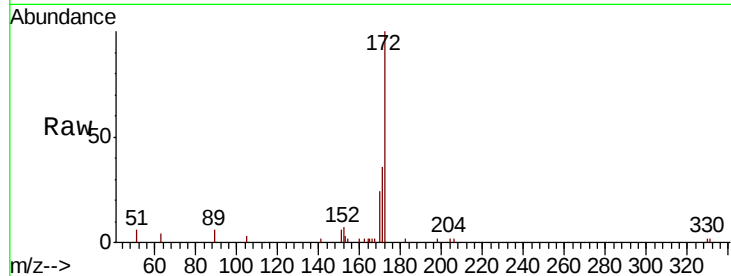
#15
2-Fluorobiphenyl
Concen: 0.377 ng
RT: 12.64 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BN011589.D
Acq: 22 Aug 2020 16:21

Instrument :
BNA_N
ClientSampleId :
COMP-4-(3-4)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.4	44.0
170	24.1	20.1	30.1

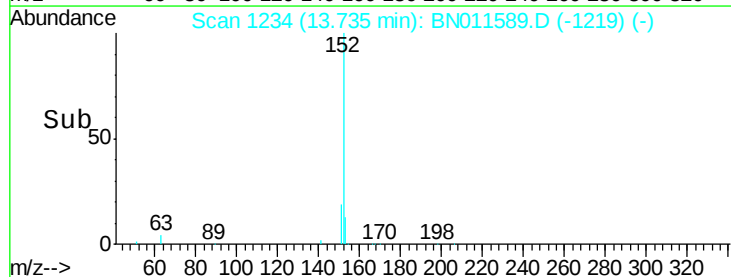
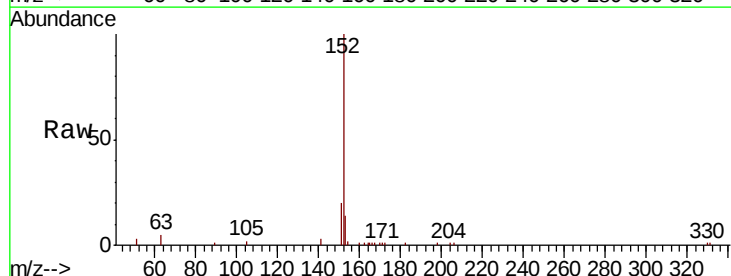
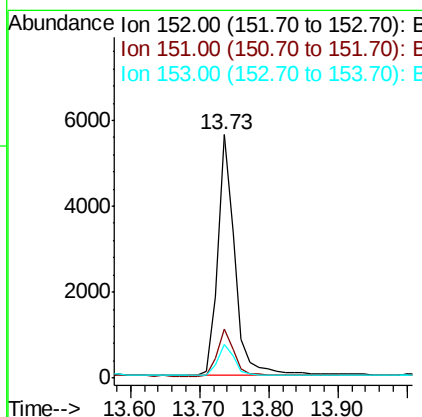
Manual Integrations
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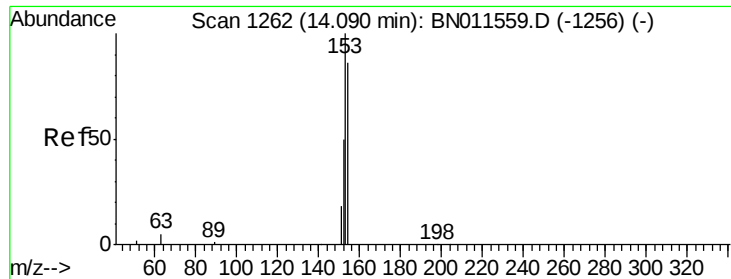
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#16
Acenaphthylene
Concen: 0.633 ng
RT: 13.73 min Scan# 1234
Delta R.T. -0.01 min
Lab File: BN011589.D
Acq: 22 Aug 2020 16:21

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.8	23.8
153	13.1	10.6	16.0





#17

Acenaphthene

Concen: 0.040 ng

RT: 14.09 min Scan# 1262

Delta R.T. -0.00 min

Lab File: BN011589.D

Acq: 22 Aug 2020 16:21

Instrument :

BNA_N

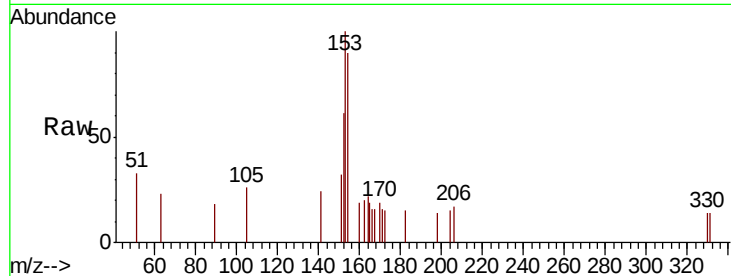
ClientSampleId :

COMP-4-(3-4)

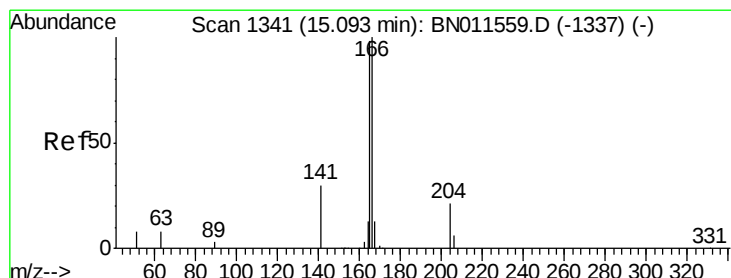
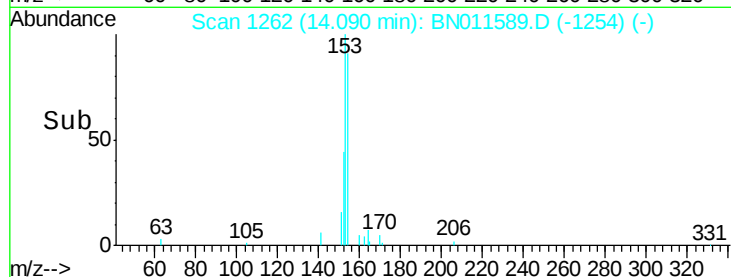
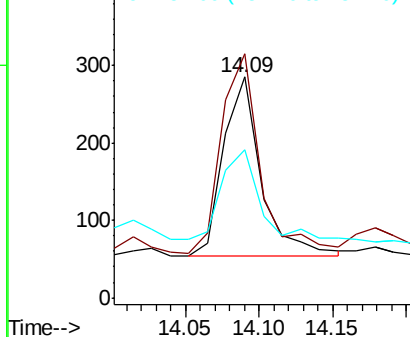
Tot Ion:	154	Resp:	410
Ion Ratio	Lower	Upper	
154	100		
153	115.6	91.8	137.8
152	59.5	46.3	69.5

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.110 ng

RT: 15.09 min Scan# 1341

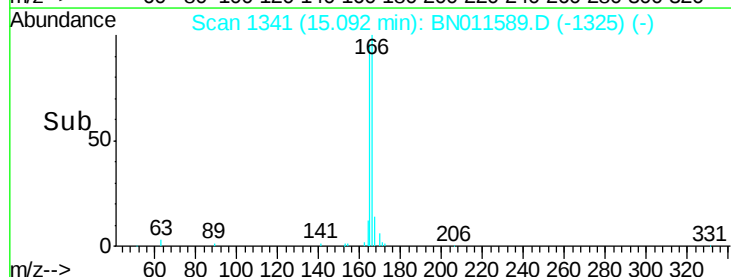
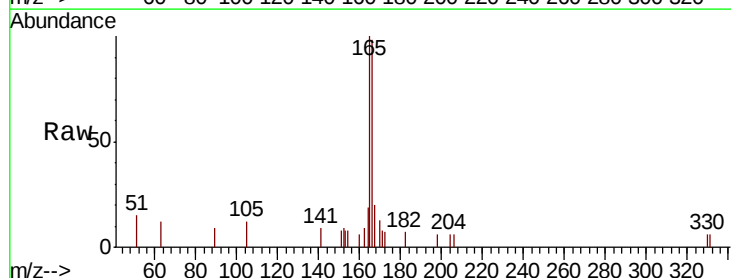
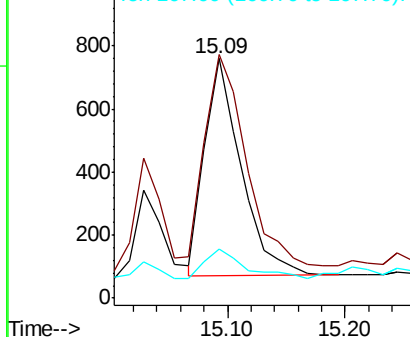
Delta R.T. -0.00 min

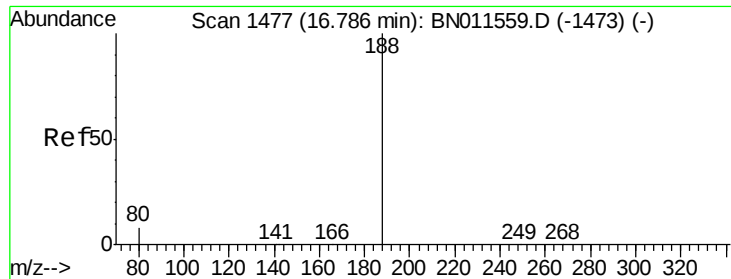
Lab File: BN011589.D

Acq: 22 Aug 2020 16:21

Tgt Ion:	166	Resp:	1490
Ion Ratio	Lower	Upper	
166	100		
165	113.2	78.2	117.2
167	14.9	10.7	16.1

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.79 min Scan# 1477

Delta R.T. -0.00 min

Lab File: BN011589.D

Acq: 22 Aug 2020 16:21

Instrument :

BNA_N

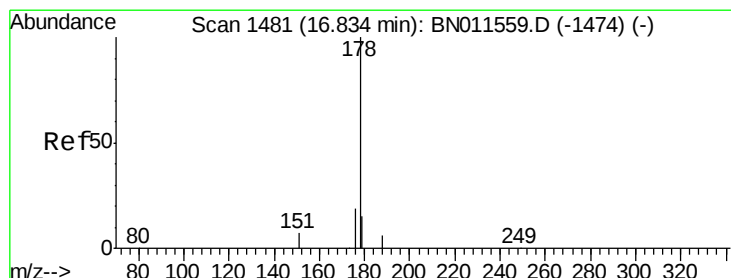
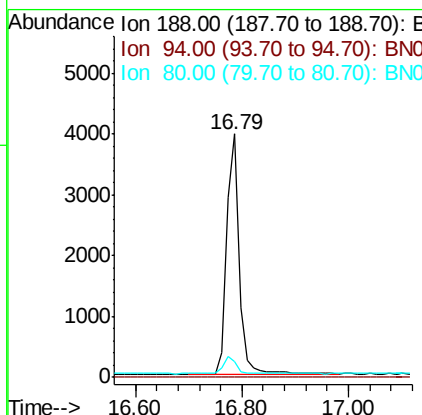
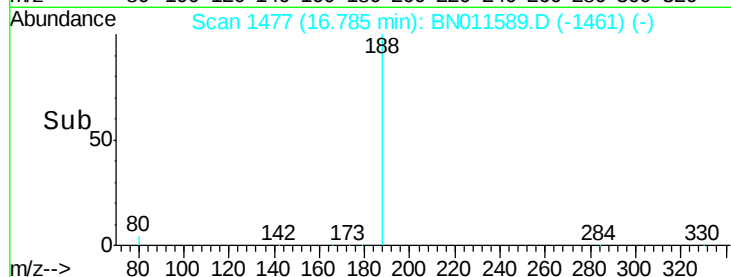
ClientSampleId :

COMP-4-(3-4)

Tot Ion:	188	Resp:	6574
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	6.2	7.6	11.4#

Manual Integrations
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#25

Phenanthrene

Concen: 1.529 ng

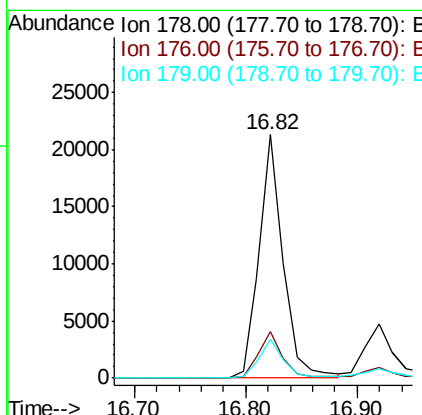
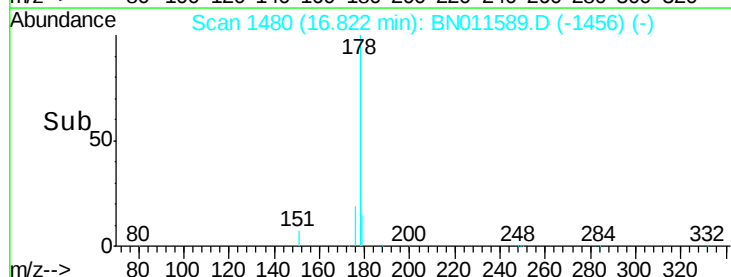
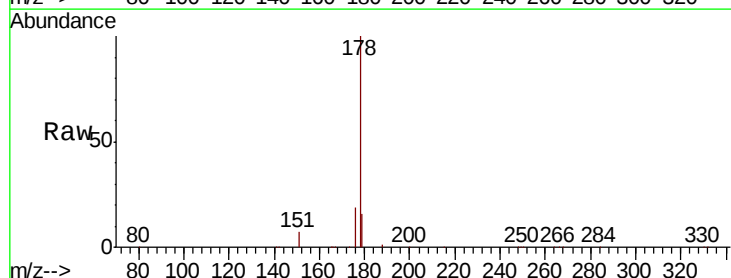
RT: 16.82 min Scan# 1480

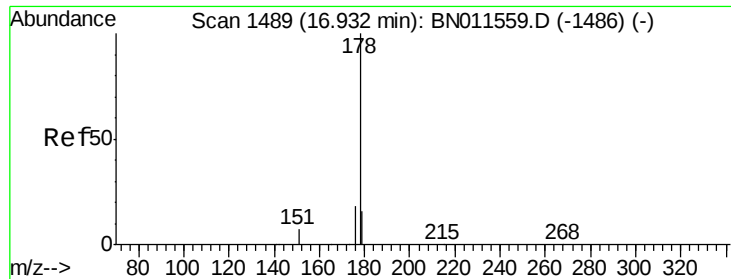
Delta R.T. -0.01 min

Lab File: BN011589.D

Acq: 22 Aug 2020 16:21

Tgt Ion:	178	Resp:	31651
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.0	22.4
179	15.7	12.3	18.5





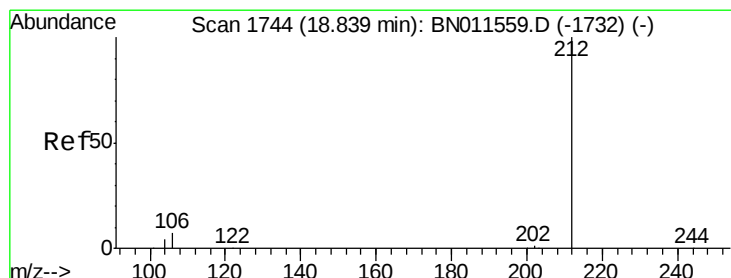
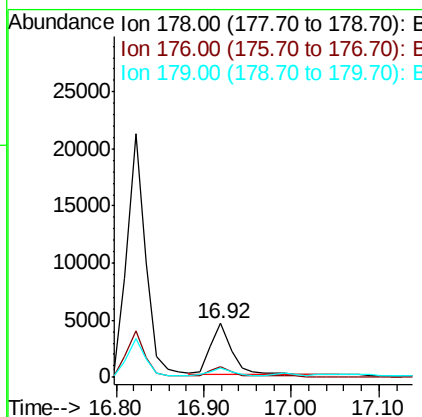
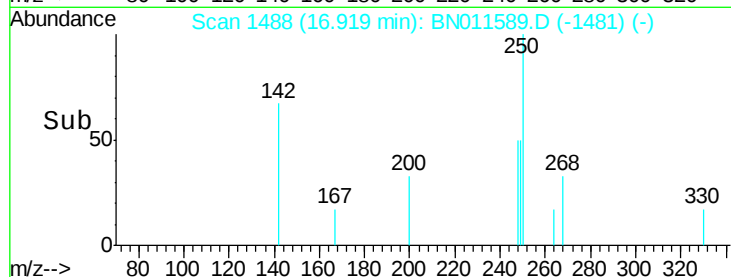
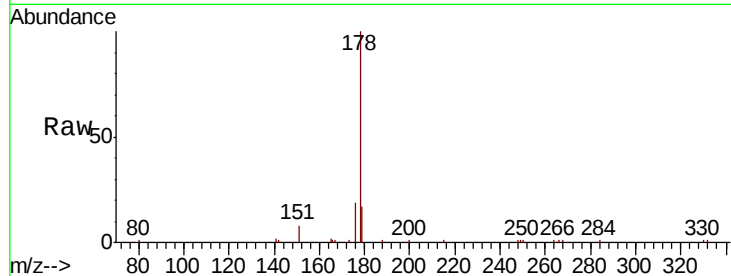
#26
 Anthracene
 Concen: 0.467 ng
 RT: 16.92 min Scan# 1488
 Delta R.T. -0.01 min
 Lab File: BN011589.D
 Acq: 22 Aug 2020 16:21

Instrument :
 BNA_N
 ClientSampleId :
 COMP-4-(3-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.4	21.6
179	12.8	12.9	19.3

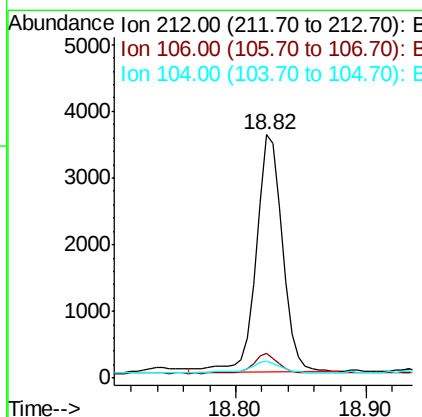
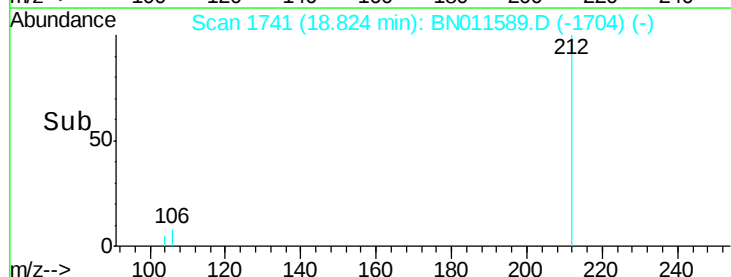
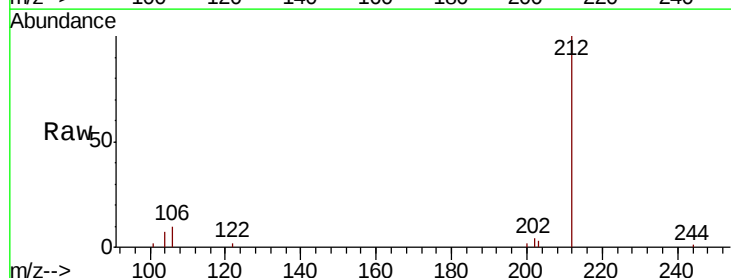
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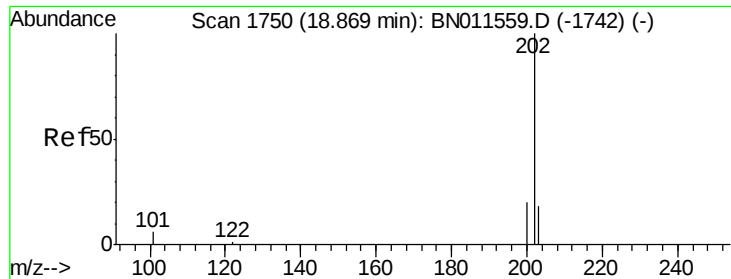
Sohil
 8/24/2020 1:51:00 PM



#27
 Fluoranthene-d10
 Concen: 0.226 ng
 RT: 18.82 min Scan# 1741
 Delta R.T. -0.02 min
 Lab File: BN011589.D
 Acq: 22 Aug 2020 16:21

Tgt Ion	Ratio	Lower	Upper
212	100		
106	8.0	6.2	9.2
104	6.0	3.8	5.6





#28

Fluoranthene

Concen: 3.521 ng

RT: 18.86 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BN011589.D

Acq: 22 Aug 2020 16:21

Instrument :

BNA_N

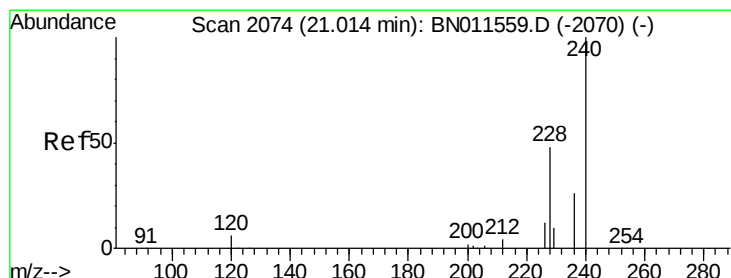
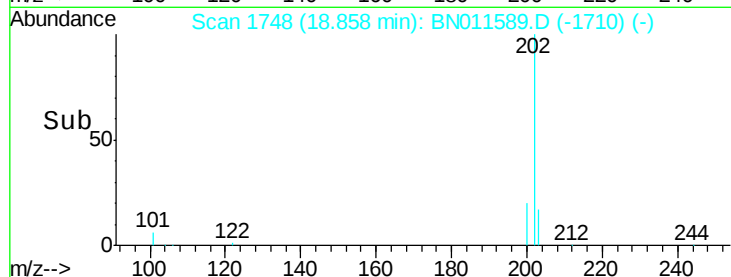
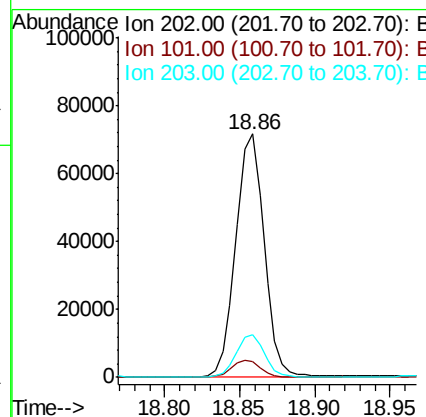
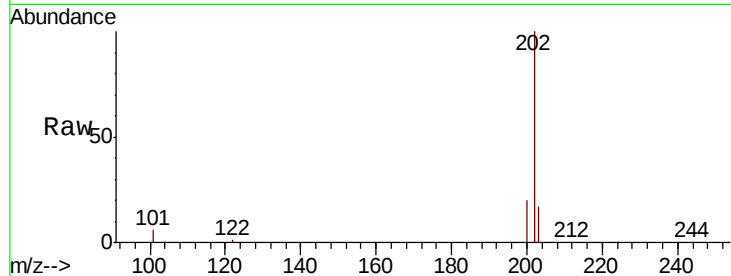
ClientSampleId :

COMP-4-(3-4)

Tot Ion:	202	Resp:	93735
Ion Ratio	Lower	Upper	
202	100		
101	7.0	5.2	7.8
203	17.4	13.6	20.4

Manual Integrations
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#29

Chrysene-d12

Concen: 0.400 ng

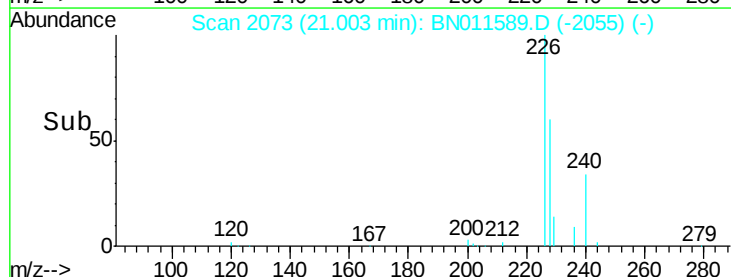
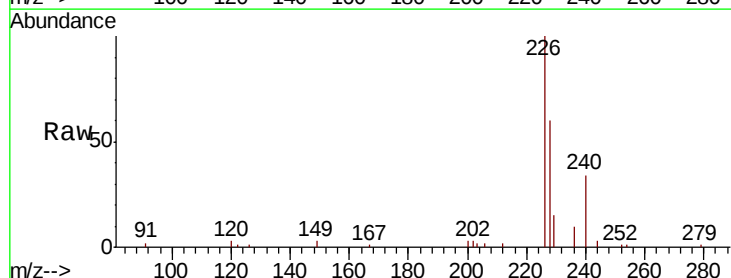
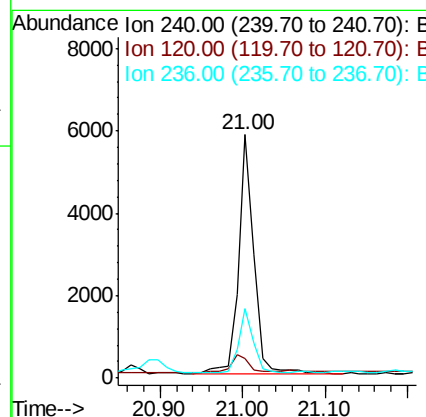
RT: 21.00 min Scan# 2073

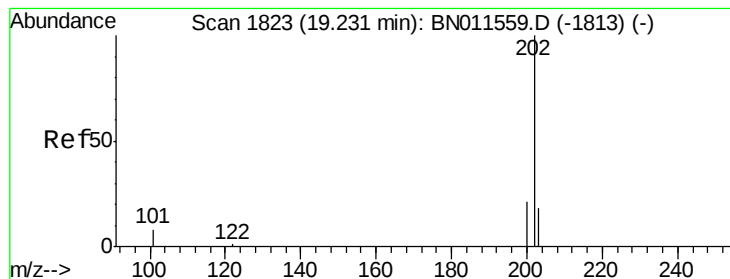
Delta R.T. -0.01 min

Lab File: BN011589.D

Acq: 22 Aug 2020 16:21

Tgt Ion:	240	Resp:	7679
Ion Ratio	Lower	Upper	
240	100		
120	8.3	7.4	11.0
236	28.5	22.3	33.5





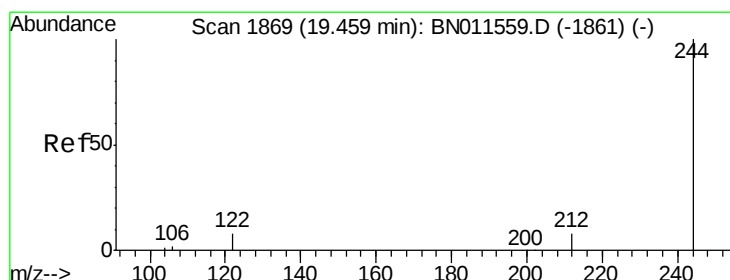
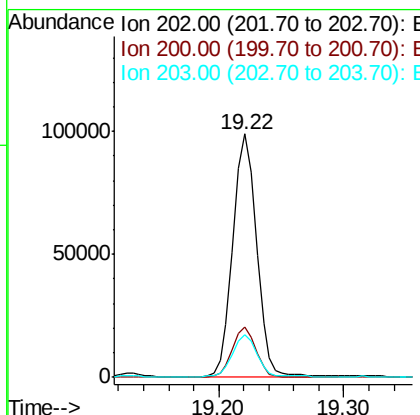
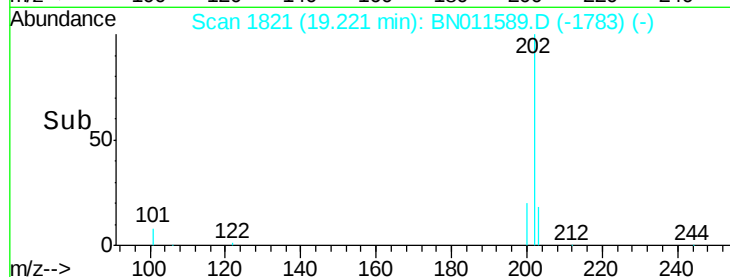
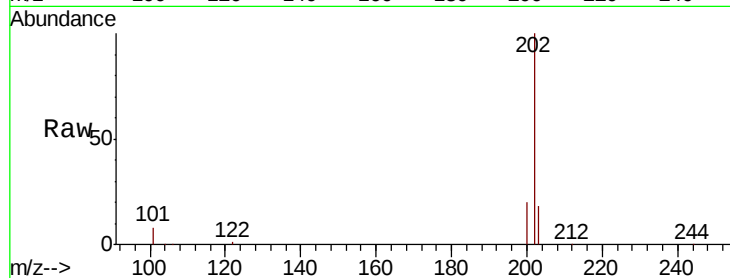
#30
Pvrene
Concen: 4.248 ng
RT: 19.22 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BN011589.D
Acq: 22 Aug 2020 16:21

Instrument :
BNA_N
ClientSampled :
COMP-4-(3-4)

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.5	16.6	25.0	
203	18.5	14.2	21.2	

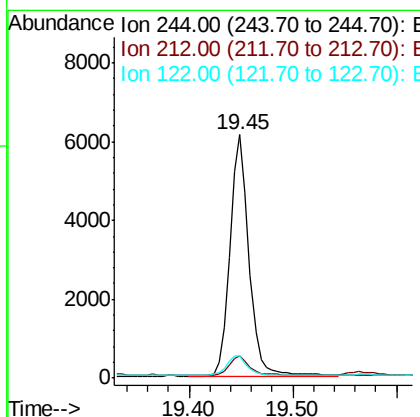
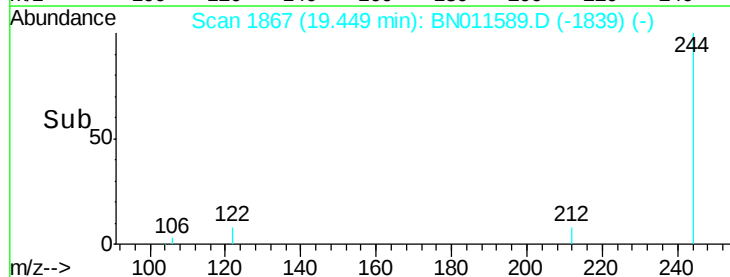
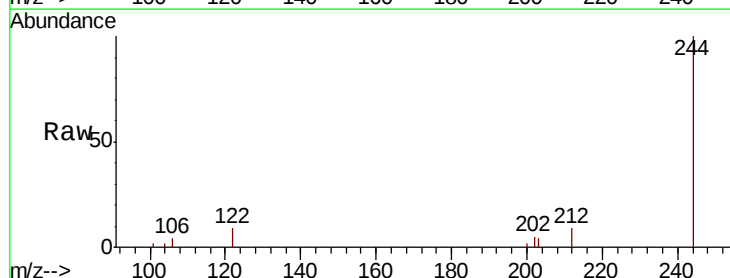
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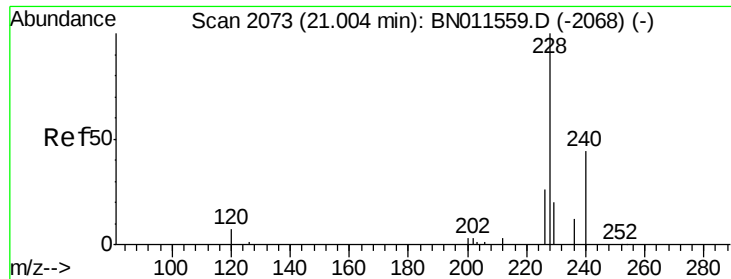
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#31
Terphenyl-d14
Concen: 0.383 ng
RT: 19.45 min Scan# 1867
Delta R.T. -0.01 min
Lab File: BN011589.D
Acq: 22 Aug 2020 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	9.1	8.2	12.4	
122	9.1	8.0	12.0	





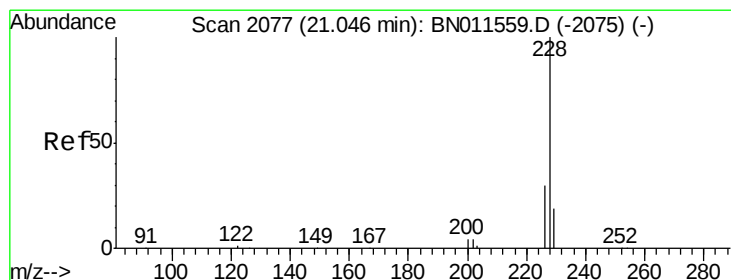
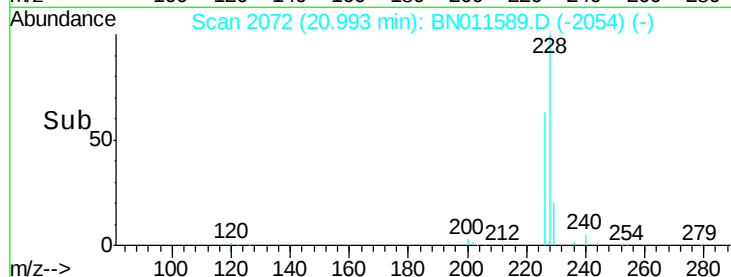
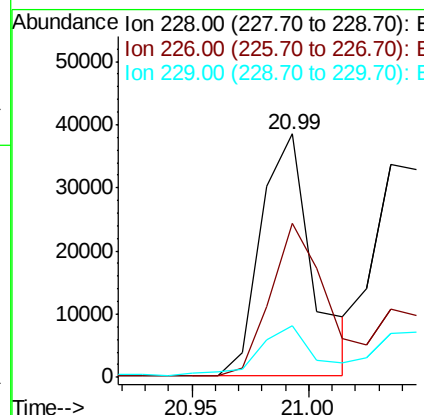
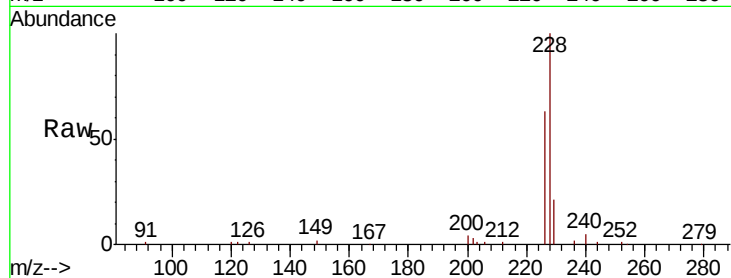
#32
Benzo(a)anthracene
Concen: 2.309 ng m
RT: 20.99 min Scan# 2072
Delta R.T. -0.01 min
Lab File: BN011589.D
Acq: 22 Aug 2020 16:21

Instrument :
BNA_N
ClientSampleId :
COMP-4-(3-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	63.4	22.2	33.2#
229	21.1	16.9	25.3

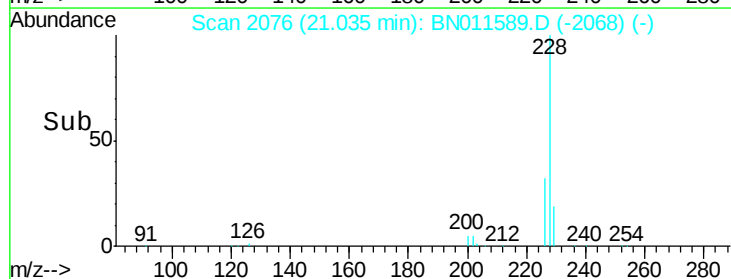
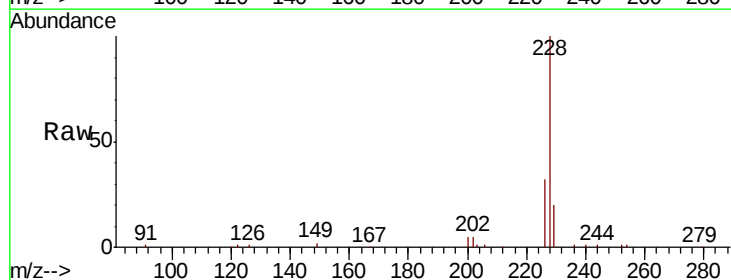
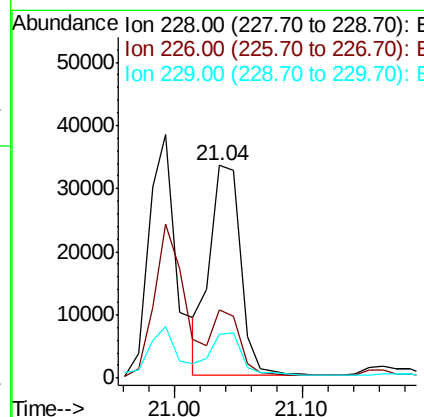
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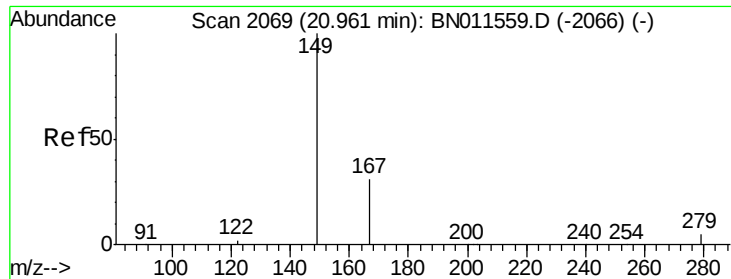
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#33
Chrysene
Concen: 1.948 ng
RT: 21.04 min Scan# 2076
Delta R.T. -0.01 min
Lab File: BN011589.D
Acq: 22 Aug 2020 16:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.3	24.5	36.7
229	20.4	16.2	24.2





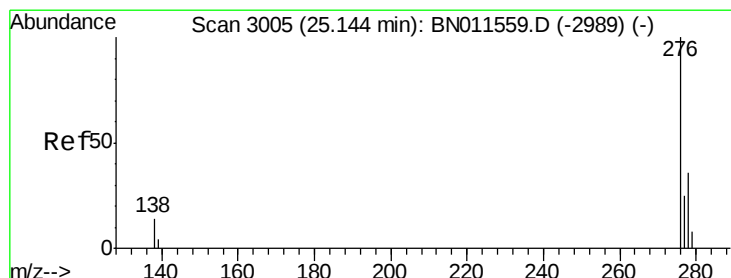
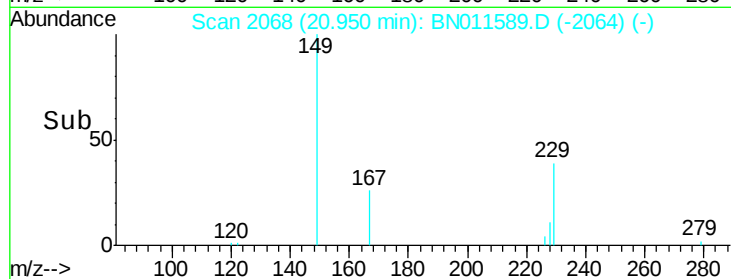
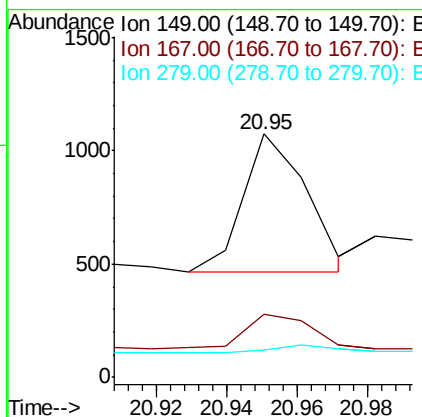
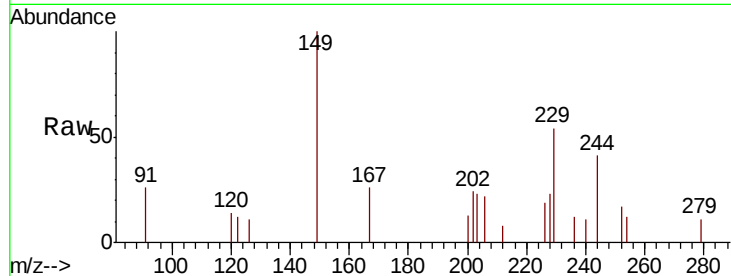
#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.068 ng
 RT: 20.95 min Scan# 2068
 Delta R.T. -0.01 min
 Lab File: BN011589.D
 Acq: 22 Aug 2020 16:21

Instrument :
 BNA_N
 ClientSampleId :
 COMP-4-(3-4)

Tot Ion:	149	Resp:	753
Ion Ratio	Lower	Upper	
149	100		
167	26.4	22.8	34.2
279	5.8	4.2	6.2

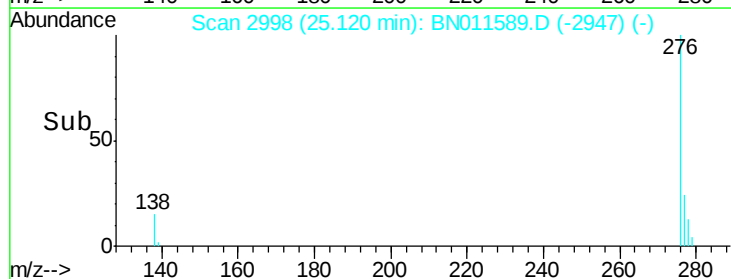
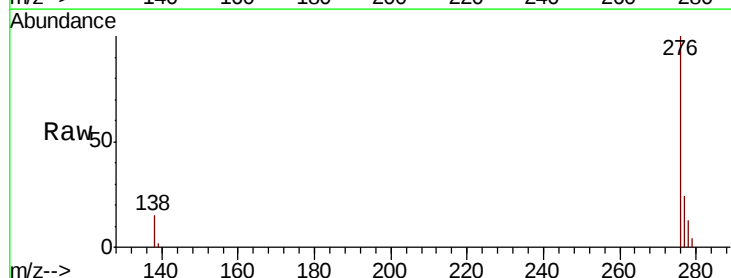
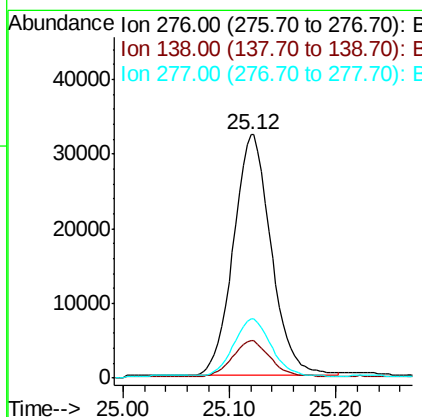
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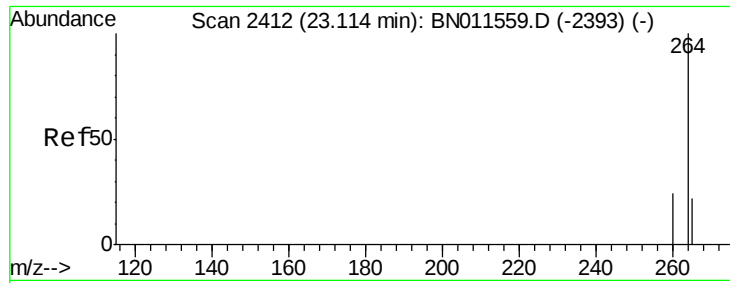
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#35
 Indeno(1,2,3-cd)pyrene
 Concen: 3.063 ng
 RT: 25.12 min Scan# 2998
 Delta R.T. -0.02 min
 Lab File: BN011589.D
 Acq: 22 Aug 2020 16:21

Tgt Ion:	276	Resp:	79823
Ion Ratio	Lower	Upper	
276	100		
138	14.7	11.6	17.4
277	23.2	18.2	27.4





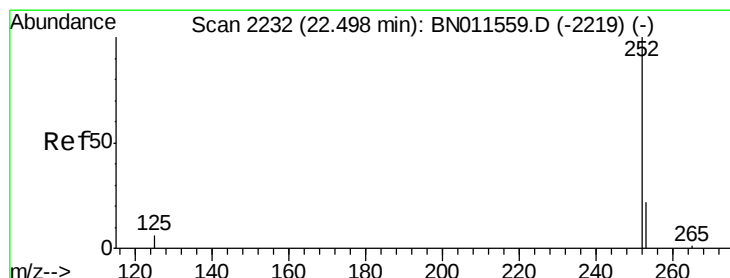
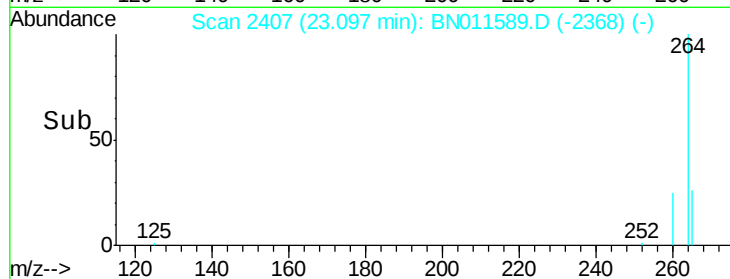
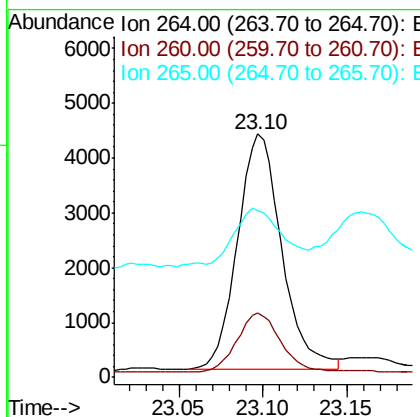
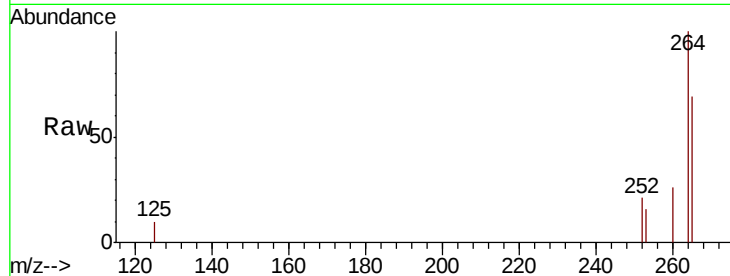
#36
Pervlene-d12
Concen: 0.400 ng
RT: 23.10 min Scan# 2407
Delta R.T. -0.02 min
Lab File: BN011589.D
Acq: 22 Aug 2020 16:21

Instrument :
BNA_N
ClientSampleId :
COMP-4-(3-4)

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.2	20.3	30.5
265	68.8	96.1	144.1#

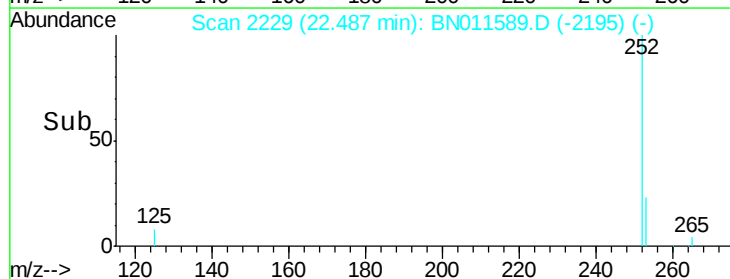
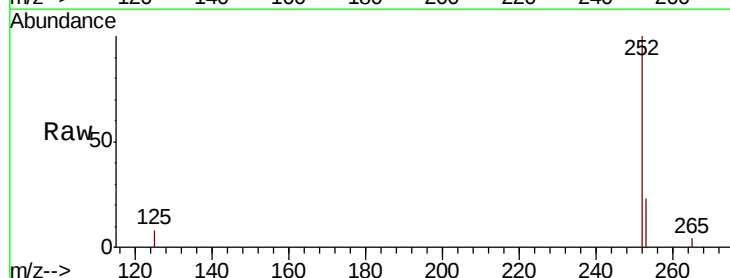
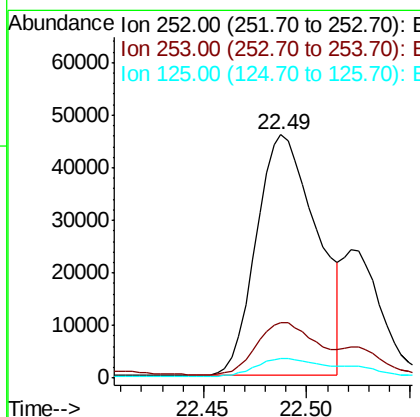
Manual Integrations
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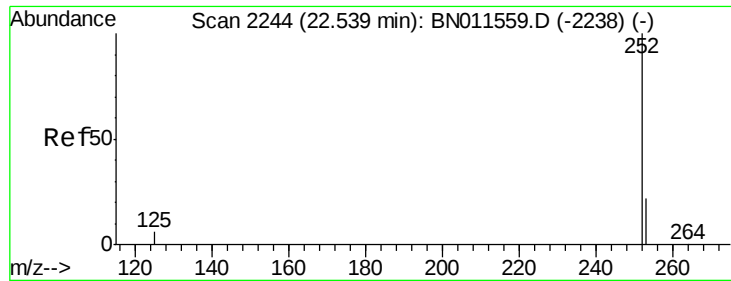
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#37
Benzo(b)fluoranthene
Concen: 3.233 ng m
RT: 22.49 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BN011589.D
Acq: 22 Aug 2020 16:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	25.5	38.3#
125	8.0	10.2	15.4#





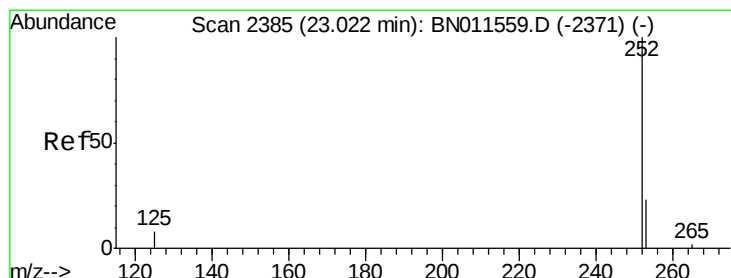
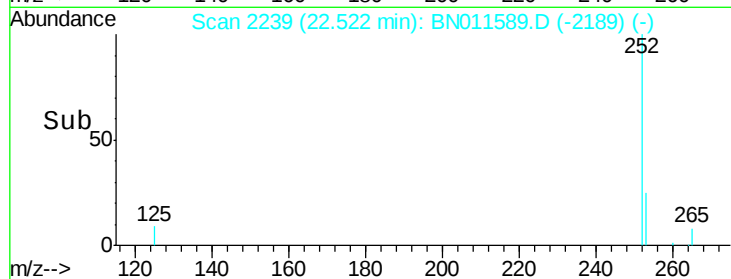
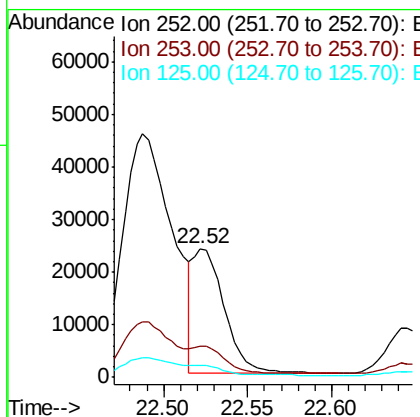
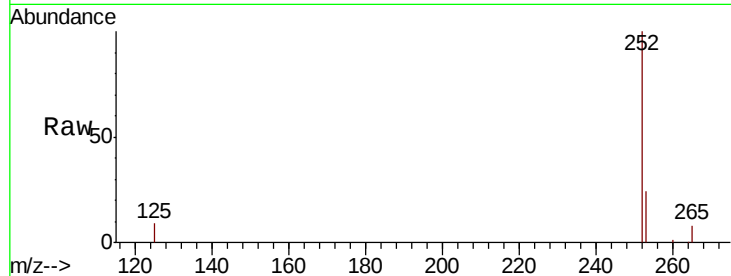
#38
Benzo(k)fluoranthene
Concen: 0.875 ng/mL
RT: 22.52 min Scan# 2239
Delta R.T. -0.02 min
Lab File: BN011589.D
Acq: 22 Aug 2020 16:21

Instrument :
BNA_N
ClientSampleId :
COMP-4-(3-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	25.8	38.6#
125	9.1	10.8	16.2#

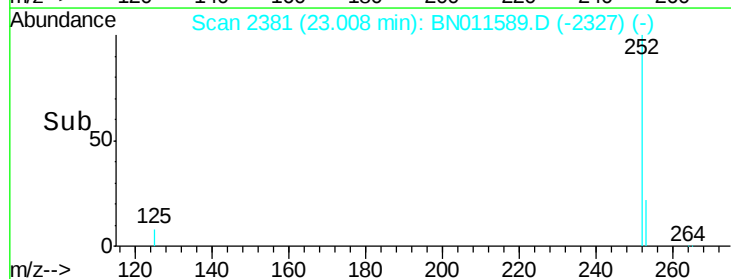
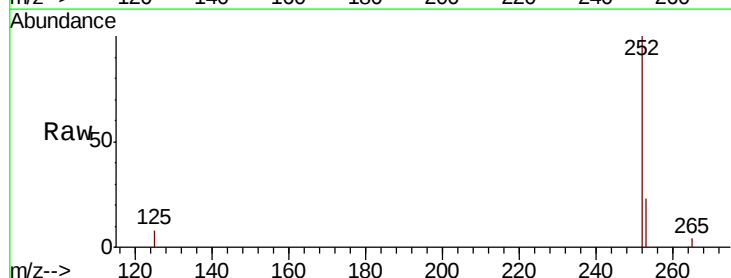
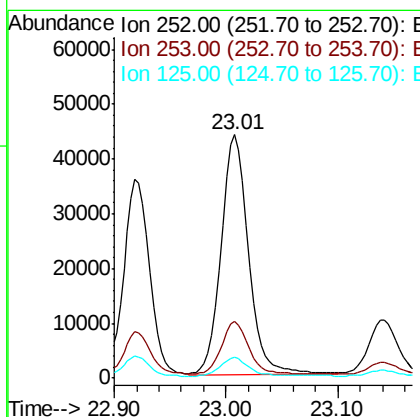
Manual Integrations
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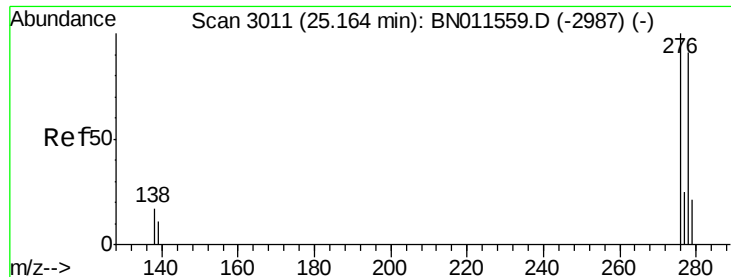
Sohil
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#39
Benzo(a)pyrene
Concen: 2.751 ng/mL
RT: 23.01 min Scan# 2381
Delta R.T. -0.01 min
Lab File: BN011589.D
Acq: 22 Aug 2020 16:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	31.8	47.8#
125	8.4	15.4	23.0#





#40

Dibenzo(a,h)anthracene

Concen: 0.534 ng

RT: 25.13 min Scan# 3000

Delta R.T. -0.04 min

Lab File: BN011589.D

Acq: 22 Aug 2020 16:21

Instrument :

BNA_N

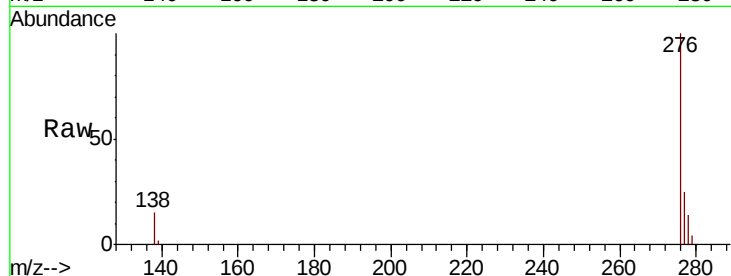
ClientSampleId :

COMP-4-(3-4)

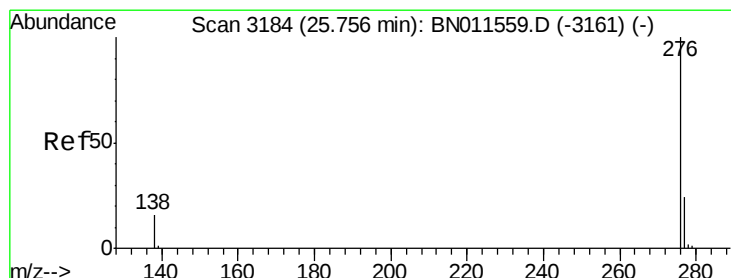
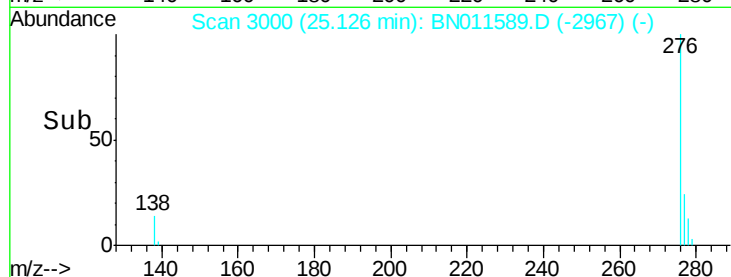
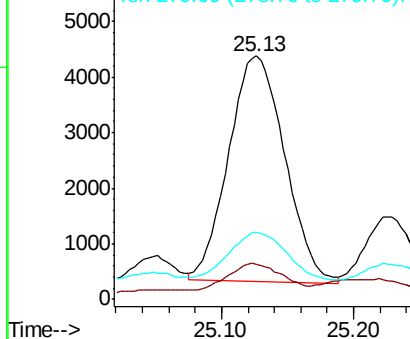
Tot Ion:	278	Resp:	12019
Ion Ratio	Lower	Upper	
278	100		
139	14.4	14.0	21.0
279	27.7	32.4	48.6#

Manual Integrations
APPROVED

Sohil
8/24/2020 1:51:00 PM



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#41

Benzo(g,h,i)perylene

Concen: 3.997 ng

RT: 25.73 min Scan# 3177

Delta R.T. -0.02 min

Lab File: BN011589.D

Acq: 22 Aug 2020 16:21

Tgt Ion:	276	Resp:	107380
Ion Ratio	Lower	Upper	
276	100		
277	23.7	22.1	33.1
138	15.9	15.4	23.2

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

