

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082120\
 Data File : BN011595.D
 Acq On : 22 Aug 2020 19:57
 Operator : CG/JU
 Sample : L3729-15
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 COMP-2-(1-2)

Manual Integrations
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Quant Time: Aug 24 10:02:27 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	7.39	152	2128	0.40	ng	0.00
7) Naphthalene-d8	10.14	136	8076	0.40	ng	-0.01
13) Acenaphthene-d10	14.01	164	5215	0.40	ng	-0.01
19) Phenanthrene-d10	16.77	188	11190	0.40	ng	-0.01
29) Chrysene-d12	21.00	240	9012	0.40	ng	-0.01
36) Perylene-d12	23.09	264	8675	0.40	ng	-0.02

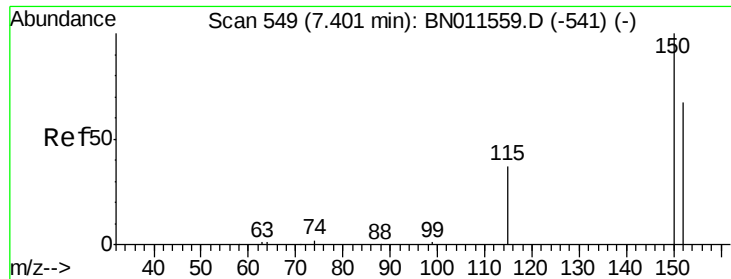
System Monitoring Compounds

4) 2-Fluorophenol	5.06	112	1419	0.31	ng	0.00
5) Phenol-d6	6.60	99	1780	0.39	ng	-0.02
8) Nitrobenzene-d5	8.53	82	2210	0.42	ng	-0.03
11) 2-Methylnaphthalene-d10	11.73	152	3162	0.22	ng	-0.02
14) 2,4,6-Tribromophenol	15.54	330	699	0.27	ng	-0.01
15) 2-Fluorobiphenyl	12.63	172	8195	0.38	ng	-0.03
27) Fluoranthene-d10	18.82	212	8725	0.23	ng	-0.01
31) Terphenyl-d14	19.44	244	11297	0.48	ng	-0.01

Target Compounds

						Qvalue
9) Naphthalene	10.17	128	23988	1.025	ng	95
12) 2-Methylnaphthalene	11.80	142	11023	0.684	ng	97
16) Acenaphthylene	13.74	152	40116	1.512	ng	99
17) Acenaphthene	14.08	154	1803	0.104	ng	# 91
18) Fluorene	15.08	166	12181	0.529	ng	# 89
24) Pentachlorophenol	16.44	266	313	0.116	ng	95
25) Phenanthrene	16.82	178	167264	4.748	ng	100
26) Anthracene	16.91	178	30497	1.038	ng	100
28) Fluoranthene	18.85	202	260783	5.755	ng	98
30) Pylene	19.22	202	332772	9.284	ng	99
32) Benzo(a)anthracene	20.98	228	116088m	3.922	ng	
33) Chrysene	21.04	228	125952	3.740	ng	99
34) Bis(2-ethylhexyl)phthalate	20.95	149	9270	0.687	ng	99
35) Indeno(1,2,3-cd)pyrene	25.12	276	140608	4.598	ng	96
37) Benzo(b)fluoranthene	22.48	252	188561m	5.880	ng	
38) Benzo(k)fluoranthene	22.52	252	59470m	1.556	ng	
39) Benzo(a)pyrene	23.00	252	135082	4.552	ng	# 74
40) Dibenzo(a,h)anthracene	25.12	278	24886m	1.003	ng	
41) Benzo(g,h,i)perylene	25.73	276	173350	5.857	ng	93

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



#1

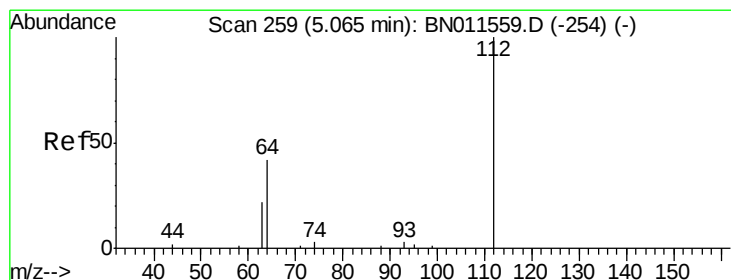
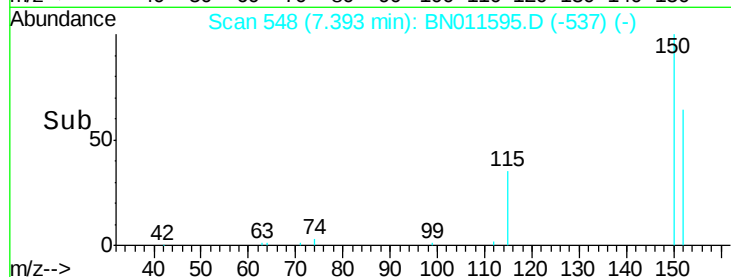
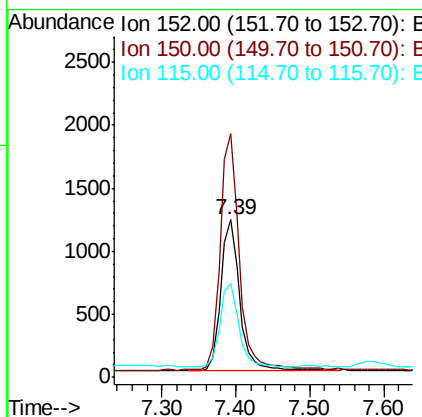
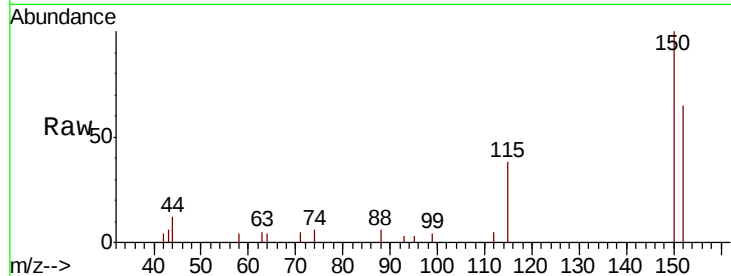
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 548
Delta R.T. -0.01 min
Lab File: BN011595.D
Acq: 22 Aug 2020 19:57

Instrument :
BNA_N
ClientSampled :
COMP-2-(1-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	117.1	175.7
115	59.2	48.7	73.1

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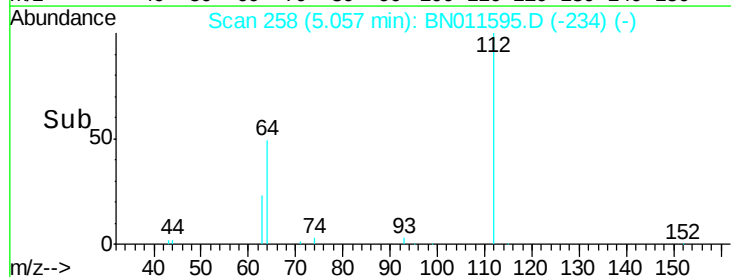
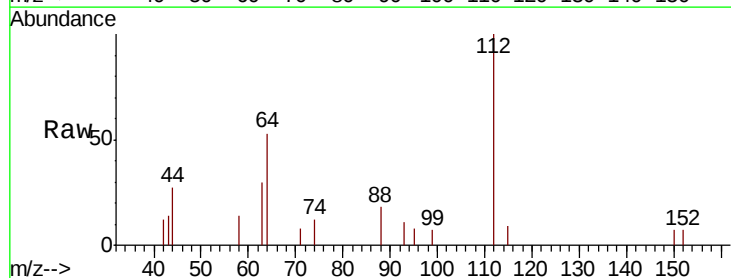
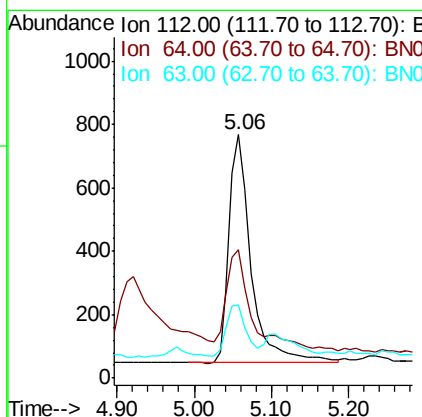
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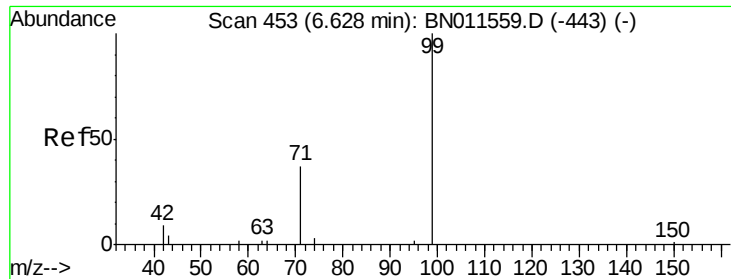


#4

2-Fluorophenol
Concen: 0.312 ng
RT: 5.06 min Scan# 258
Delta R.T. -0.01 min
Lab File: BN011595.D
Acq: 22 Aug 2020 19:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.5	33.9	50.9
63	20.2	17.7	26.5





#5

Phenol-d6

Concen: 0.388 ng

RT: 6.60 min Scan# 450

Delta R.T. -0.02 min

Lab File: BN011595.D

Acq: 22 Aug 2020 19:57

Instrument :

BNA_N

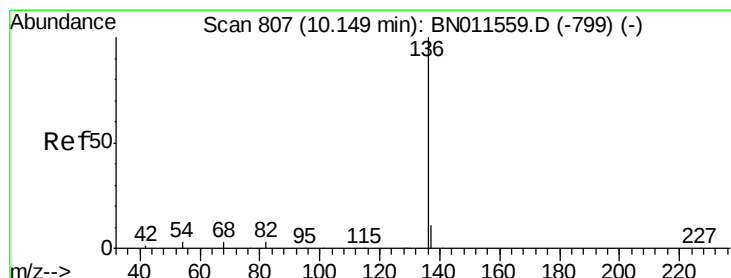
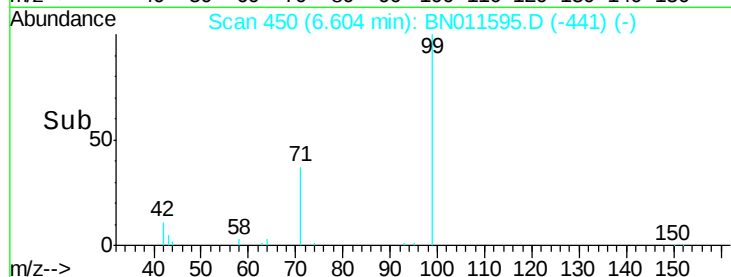
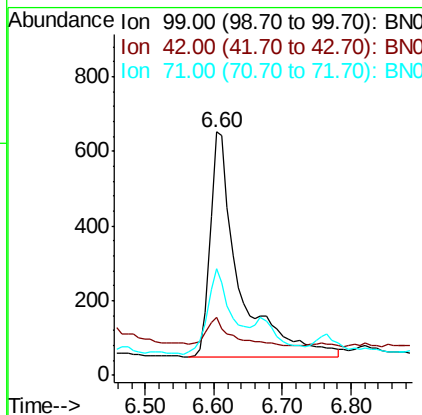
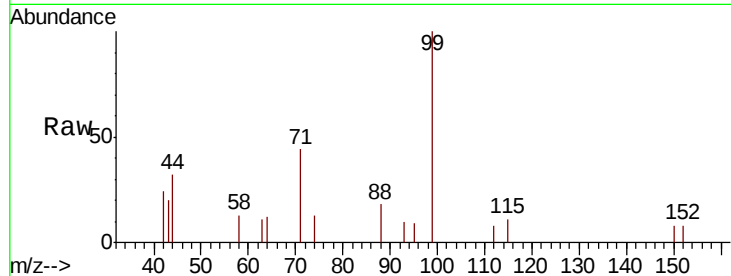
ClientSampleId :

COMP-2-(1-2)

Tot Ion:	99	Resp:	1780
Ion	Ratio	Lower	Upper
99	100		
42	10.7	9.0	13.4
71	32.7	30.4	45.6

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#7

Naphthalene-d8

Concen: 0.400 ng

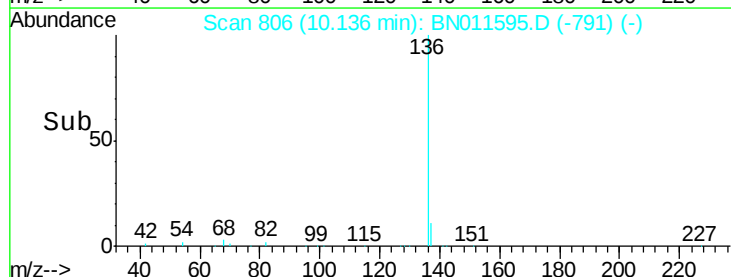
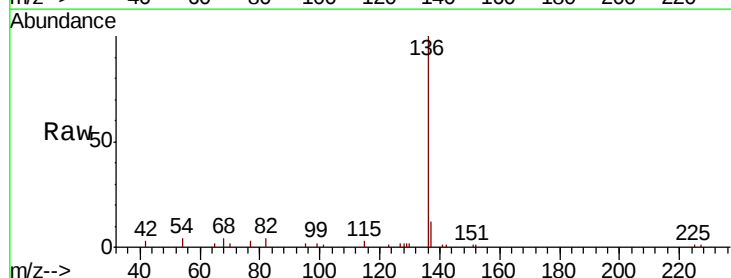
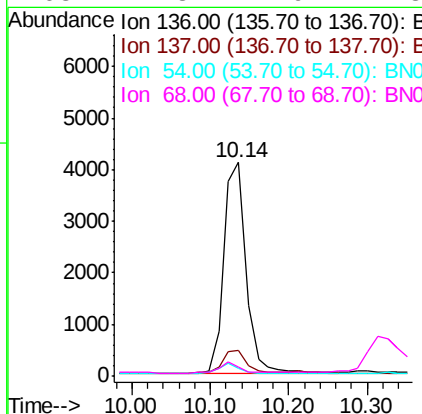
RT: 10.14 min Scan# 806

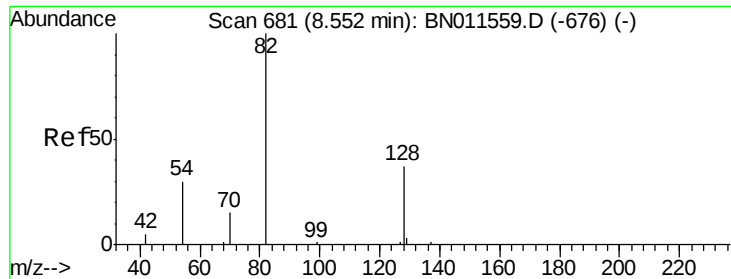
Delta R.T. -0.01 min

Lab File: BN011595.D

Acq: 22 Aug 2020 19:57

Tgt Ion:	136	Resp:	8076
Ion	Ratio	Lower	Upper
136	100		
137	12.2	11.0	16.4
54	3.7	4.3	6.5#
68	4.3	4.9	7.3#





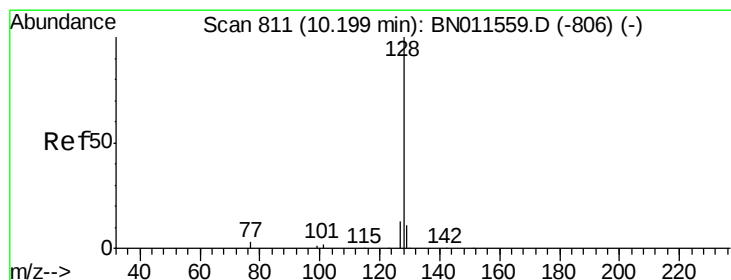
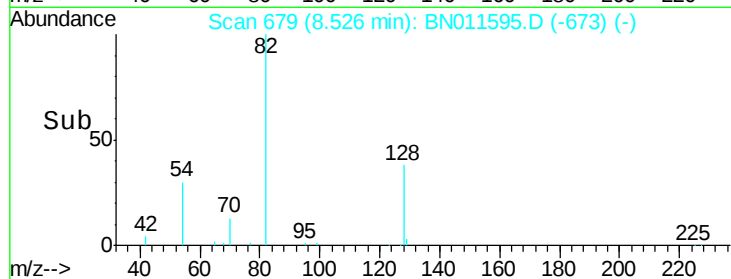
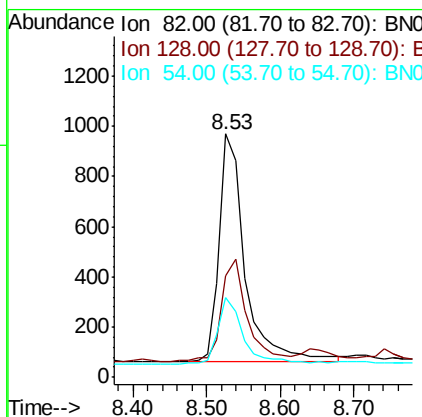
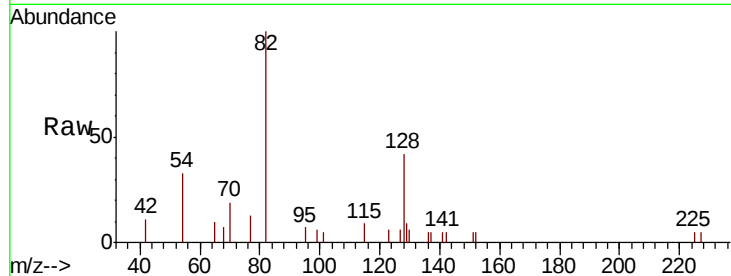
#8
Nitrobenzene-d5
Concen: 0.416 ng
RT: 8.53 min Scan# 679
Delta R.T. -0.03 min
Lab File: BN011595.D
Acq: 22 Aug 2020 19:57

Instrument :
BNA_N
ClientSampleId :
COMP-2-(1-2)

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.6	41.7	62.5#
54	33.0	34.4	51.6#

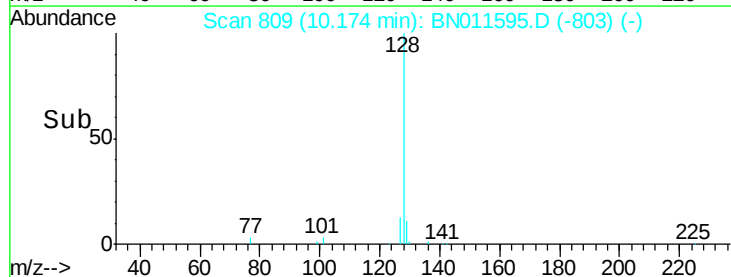
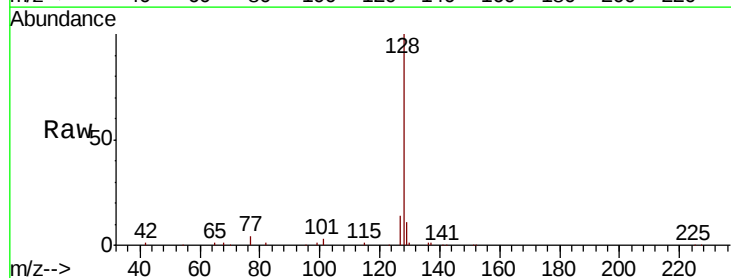
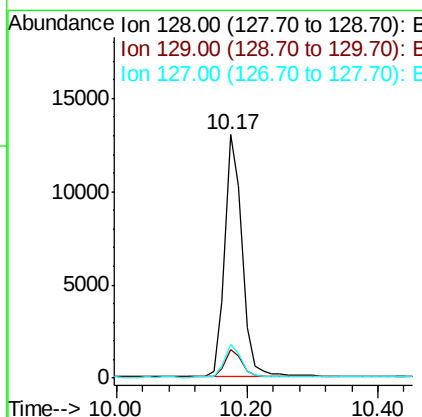
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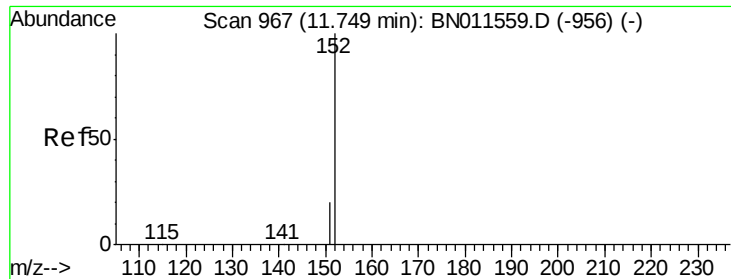
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#9
Naphthalene
Concen: 1.025 ng
RT: 10.17 min Scan# 809
Delta R.T. -0.03 min
Lab File: BN011595.D
Acq: 22 Aug 2020 19:57

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	10.8	16.2
127	13.6	12.3	18.5





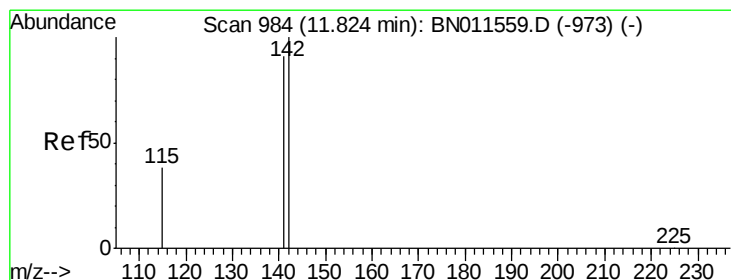
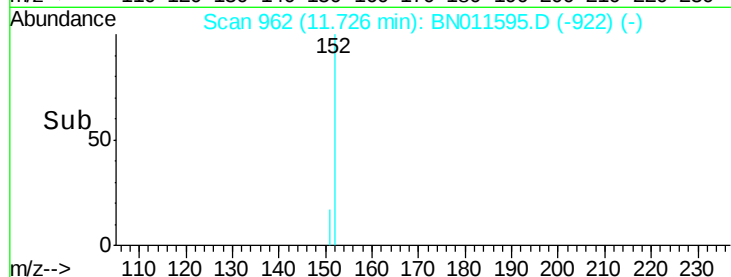
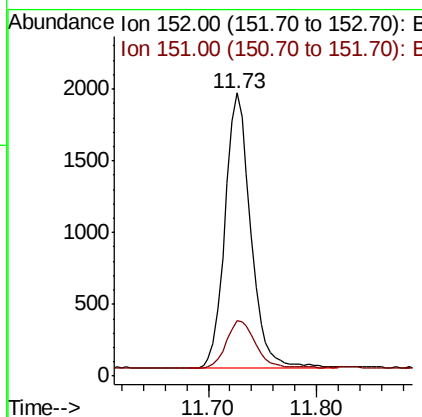
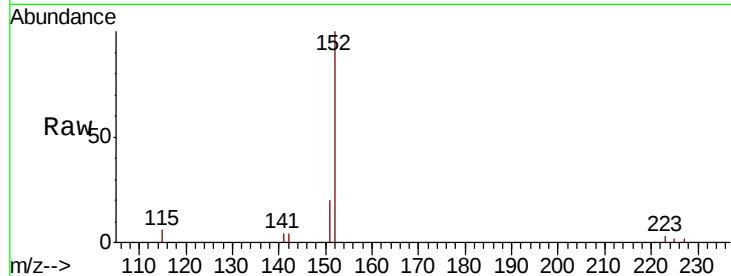
#11
2-Methylnaphthalene-d10
Concen: 0.219 ng
RT: 11.73 min Scan# 962
Delta R.T. -0.02 min
Lab File: BN011595.D
Acq: 22 Aug 2020 19:57

Instrument :
BNA_N
ClientSampleId :
COMP-2-(1-2)

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.6	24.8

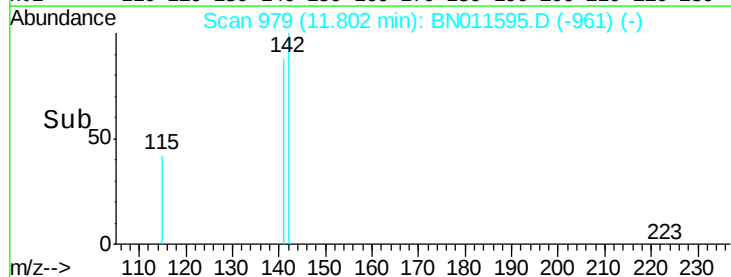
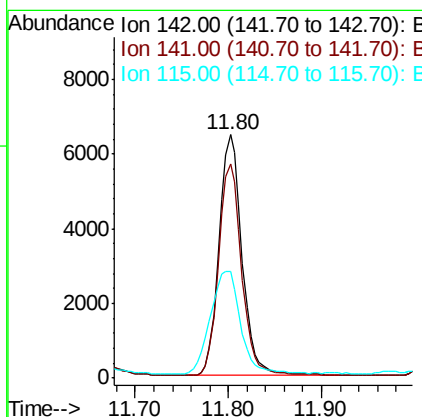
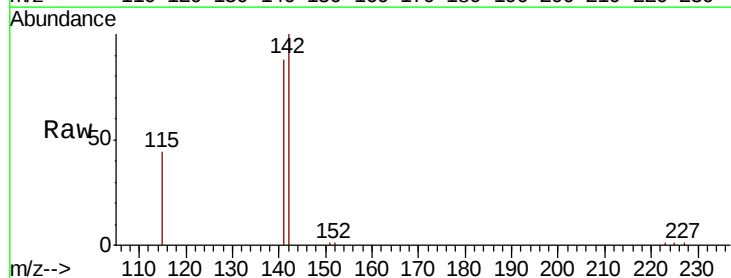
Manual Integrations
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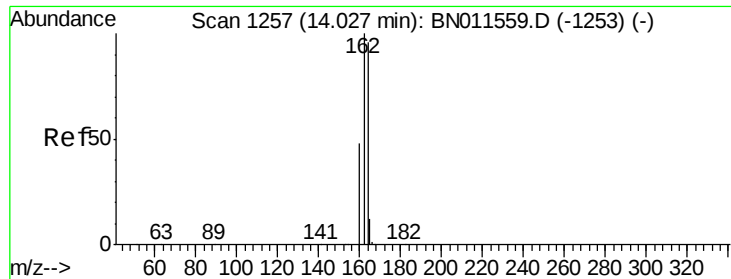
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#12
2-Methylnaphthalene
Concen: 0.684 ng
RT: 11.80 min Scan# 979
Delta R.T. -0.02 min
Lab File: BN011595.D
Acq: 22 Aug 2020 19:57

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.1	73.0	109.6
115	43.7	33.4	50.0





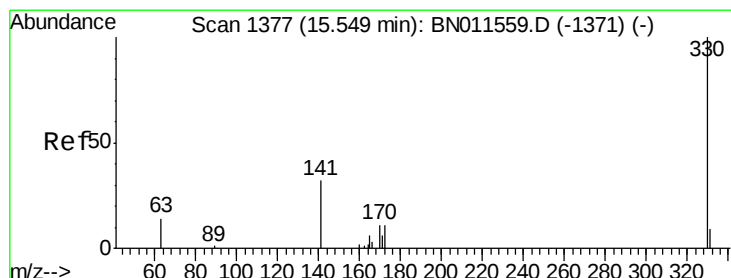
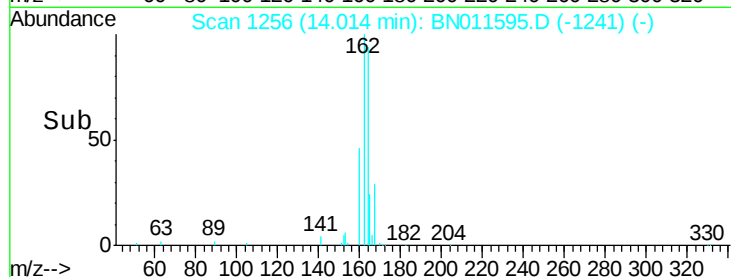
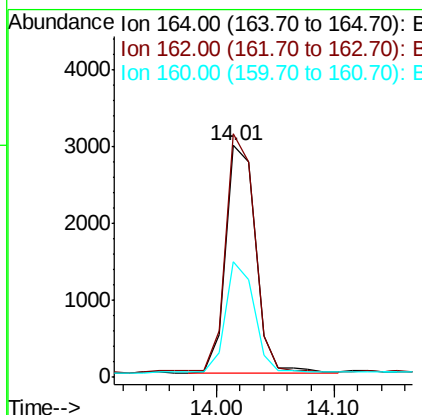
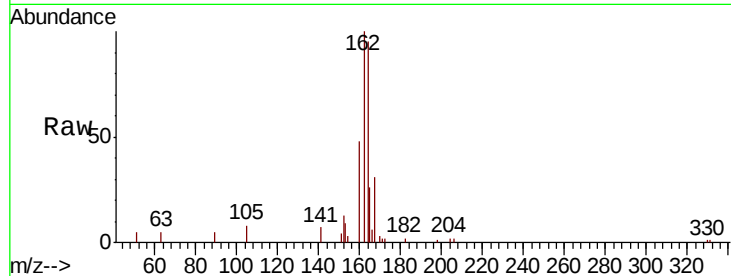
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.01 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BN011595.D
Acq: 22 Aug 2020 19:57

Instrument :
BNA_N
ClientSampleId :
COMP-2-(1-2)

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.2	83.7	125.5
160	50.0	41.1	61.7

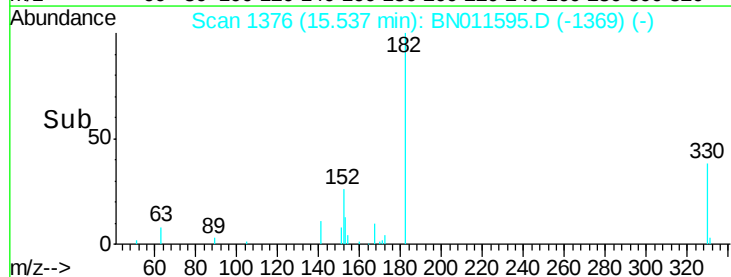
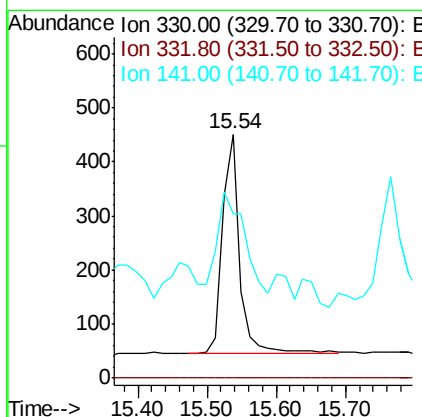
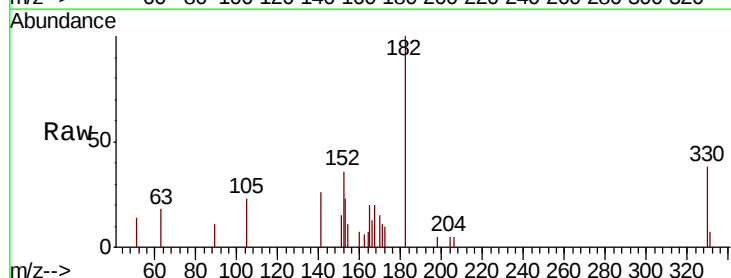
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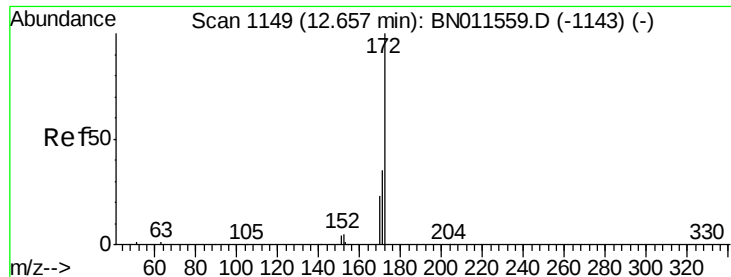
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#14
2,4,6-Tribromophenol
Concen: 0.269 ng
RT: 15.54 min Scan# 1376
Delta R.T. -0.01 min
Lab File: BN011595.D
Acq: 22 Aug 2020 19:57

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	72.1	34.6	52.0#





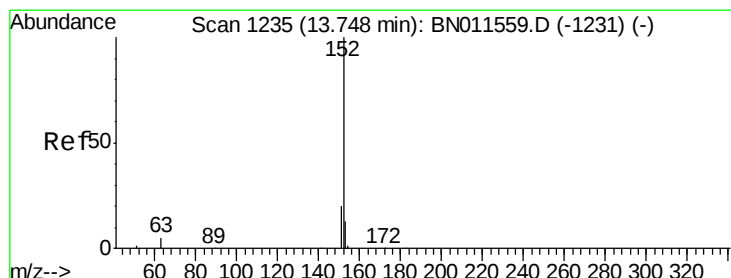
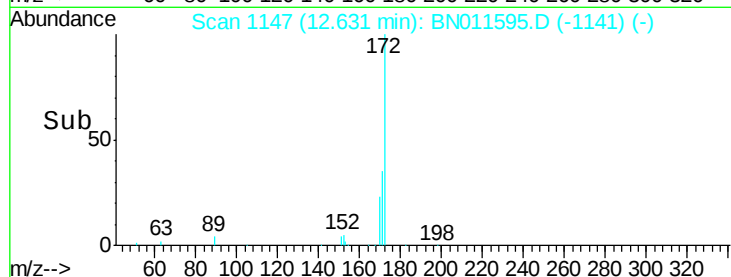
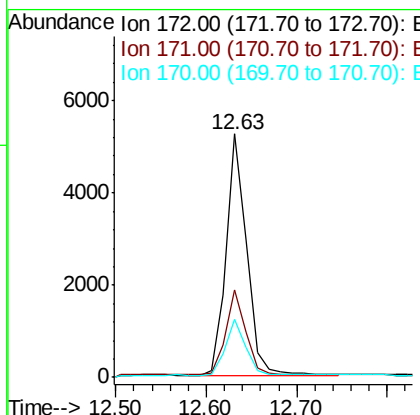
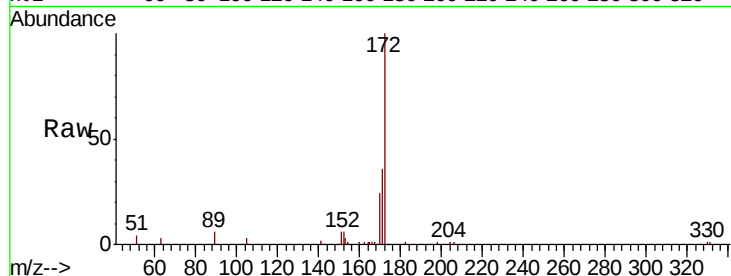
#15
2-Fluorobiphenyl
Concen: 0.382 ng
RT: 12.63 min Scan# 1147
Delta R.T. -0.03 min
Lab File: BN011595.D
Acq: 22 Aug 2020 19:57

Instrument :
BNA_N
ClientSampleId :
COMP-2-(1-2)

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.4	44.0
170	23.7	20.1	30.1

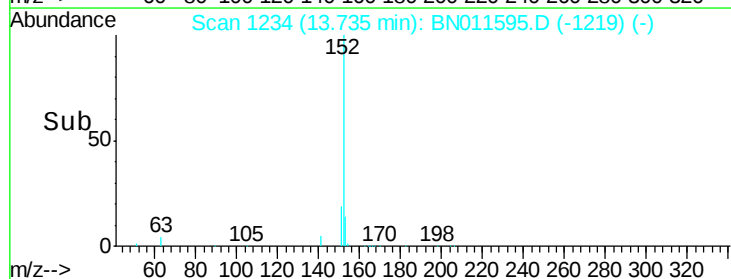
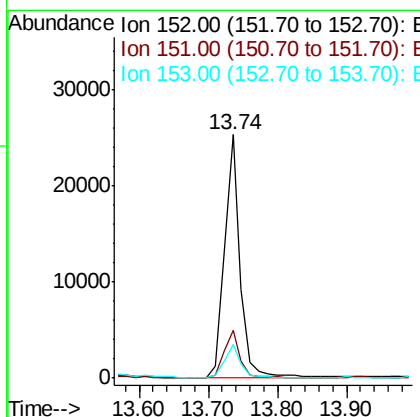
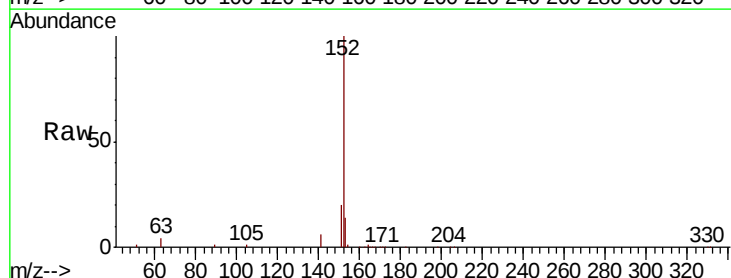
Manual Integrations
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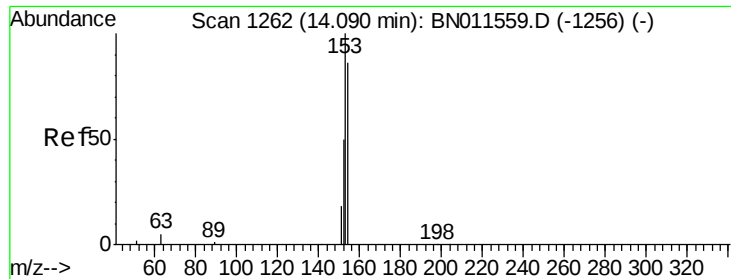
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#16
Acenaphthylene
Concen: 1.512 ng
RT: 13.74 min Scan# 1234
Delta R.T. -0.01 min
Lab File: BN011595.D
Acq: 22 Aug 2020 19:57

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.8
153	13.7	10.6	16.0





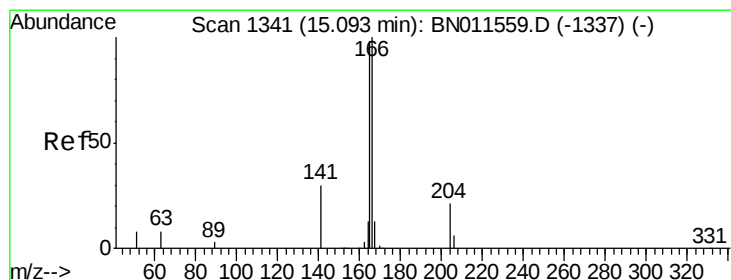
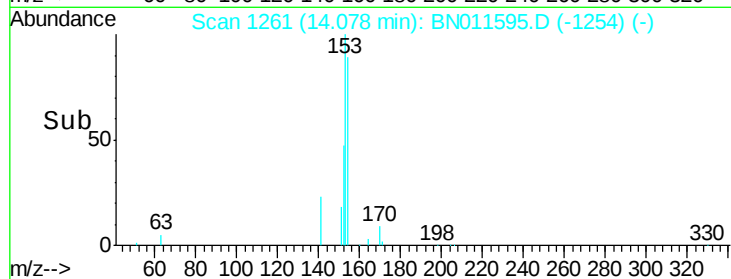
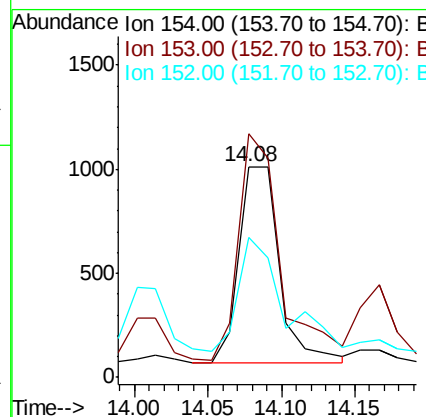
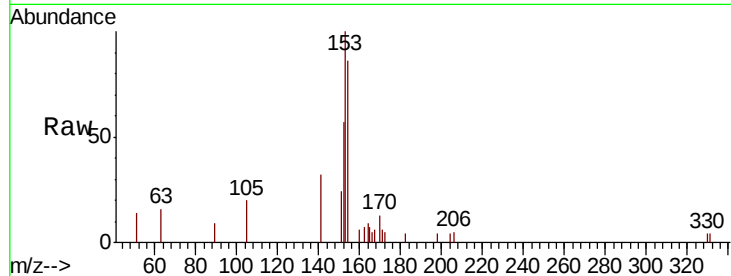
#17
Acenaphthene
Concen: 0.104 ng
RT: 14.08 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BN011595.D
Acq: 22 Aug 2020 19:57

Instrument :
BNA_N
ClientSampleId :
COMP-2-(1-2)

Tot Ion	Ratio	Lower	Upper
154	100		
153	118.1	91.8	137.8
152	74.4	46.3	69.5

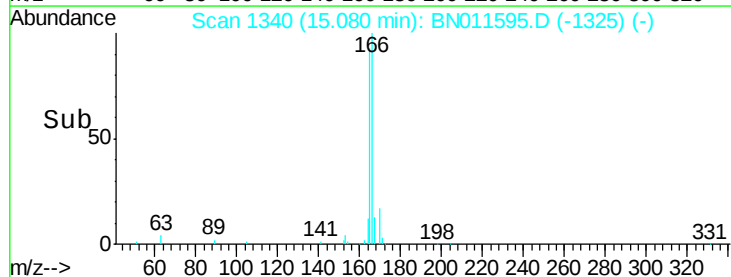
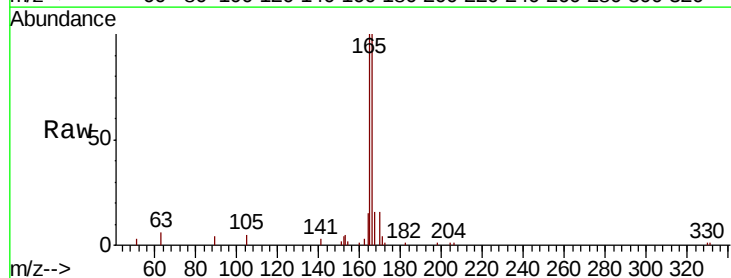
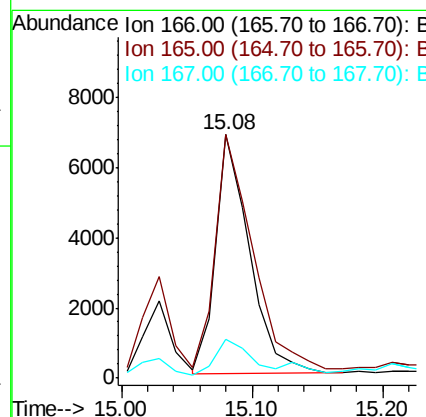
Manual Integrations
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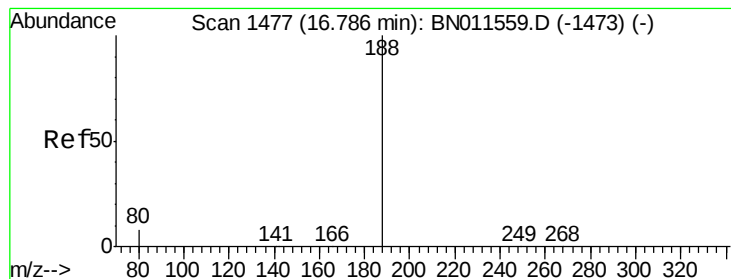
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#18
Fluorene
Concen: 0.529 ng
RT: 15.08 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BN011595.D
Acq: 22 Aug 2020 19:57

Tgt Ion	Ratio	Lower	Upper
166	100		
165	108.2	78.2	117.2
167	18.5	10.7	16.1





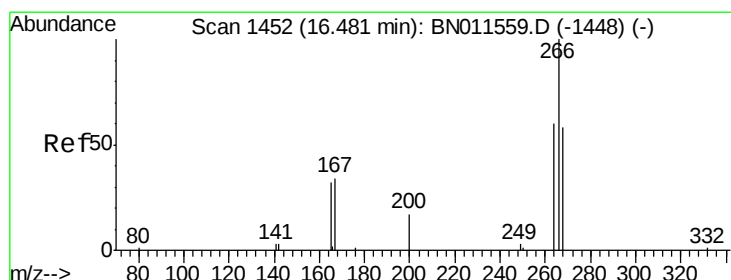
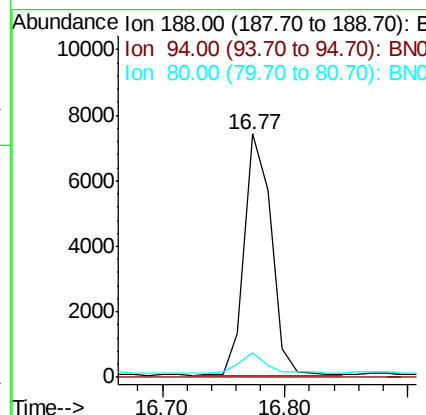
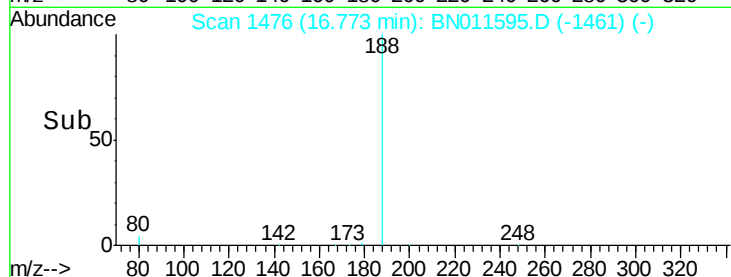
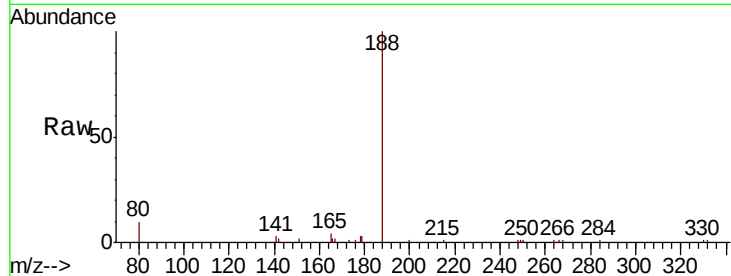
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.77 min Scan# 1476
Delta R.T. -0.01 min
Lab File: BN011595.D
Acq: 22 Aug 2020 19:57

Instrument :
BNA_N
ClientSampled :
COMP-2-(1-2)

Tot Ion:	188	Resp:	11190
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	10.1	7.6	11.4

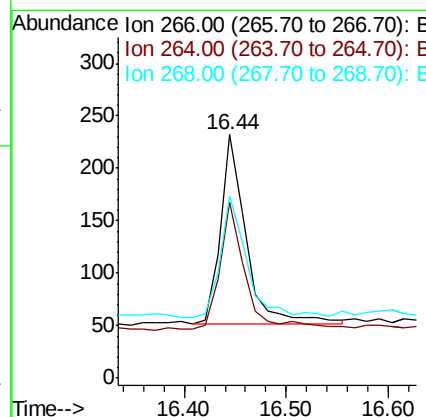
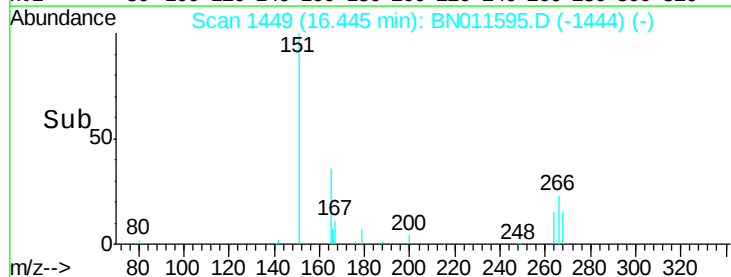
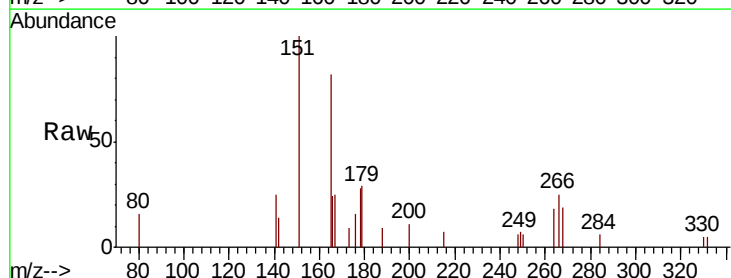
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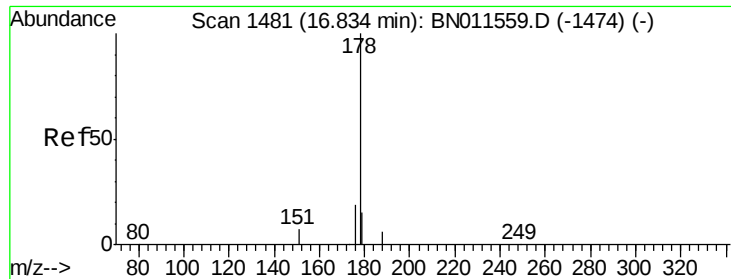
Sohil
8/24/2020 1:51:05 PM



#24
Pentachlorophenol
Concen: 0.116 ng
RT: 16.44 min Scan# 1449
Delta R.T. -0.04 min
Lab File: BN011595.D
Acq: 22 Aug 2020 19:57

Tgt Ion:	266	Resp:	313
Ion Ratio	Lower	Upper	
266	100		
264	66.1	48.7	73.1
268	66.8	51.0	76.6





#25

Phenanthrene

Concen: 4.748 ng

RT: 16.82 min Scan# 1480

Delta R.T. -0.01 min

Lab File: BN011595.D

Acq: 22 Aug 2020 19:57

Instrument :

BNA_N

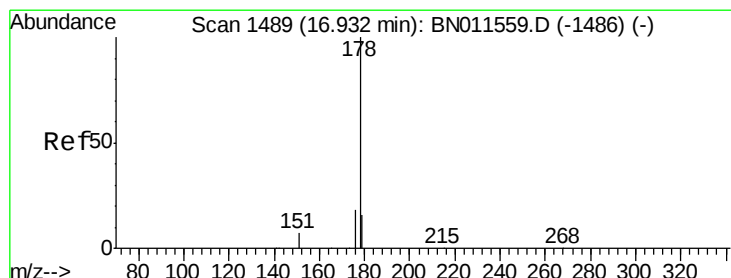
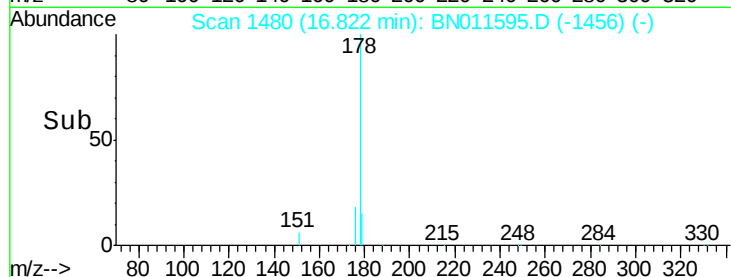
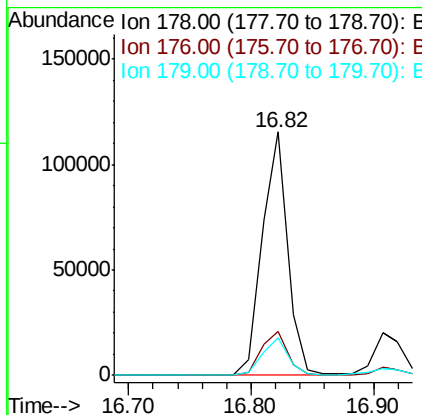
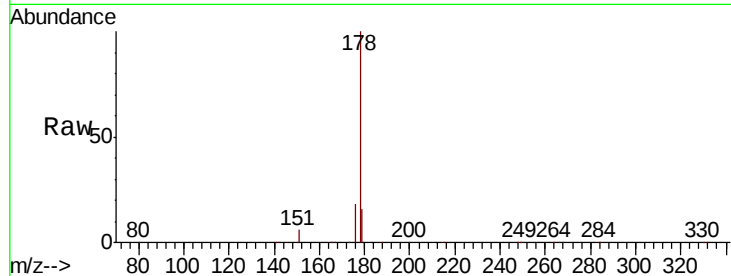
ClientSampleId :

COMP-2-(1-2)

Tot Ion:	178	Resp:	167264
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.0	22.4
179	15.5	12.3	18.5

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#26

Anthracene

Concen: 1.038 ng

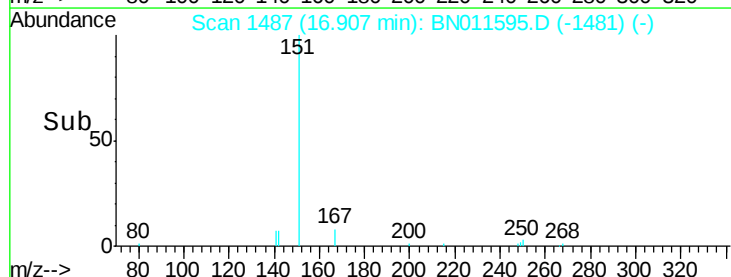
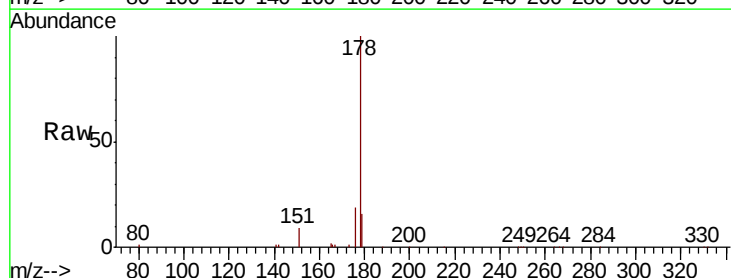
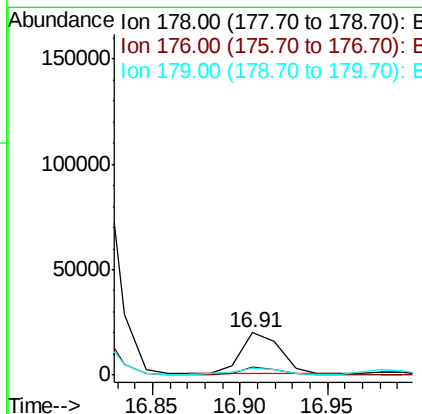
RT: 16.91 min Scan# 1487

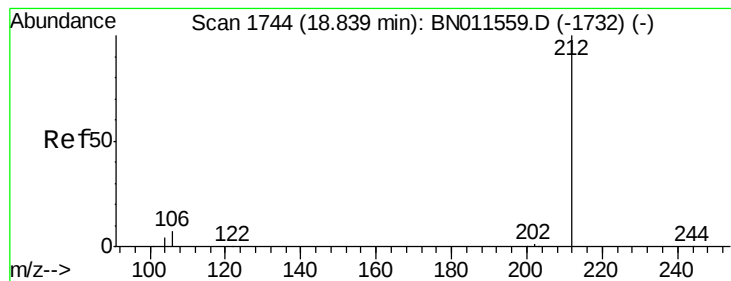
Delta R.T. -0.02 min

Lab File: BN011595.D

Acq: 22 Aug 2020 19:57

Tgt Ion:	178	Resp:	30497
Ion Ratio	Lower	Upper	
178	100		
176	18.1	14.4	21.6
179	16.1	12.9	19.3





#27

Fluoranthene-d10

Concen: 0.231 ng

RT: 18.82 min Scan# 1741

Delta R.T. -0.01 min

Lab File: BN011595.D

Acq: 22 Aug 2020 19:57

Instrument :

BNA_N

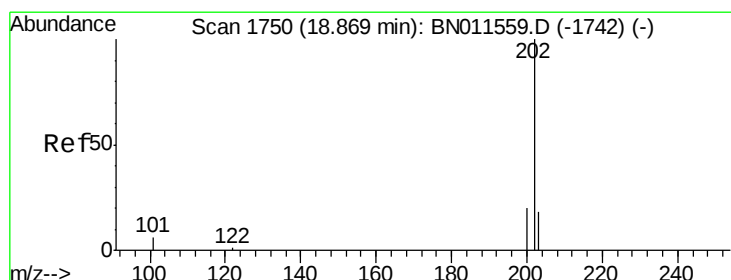
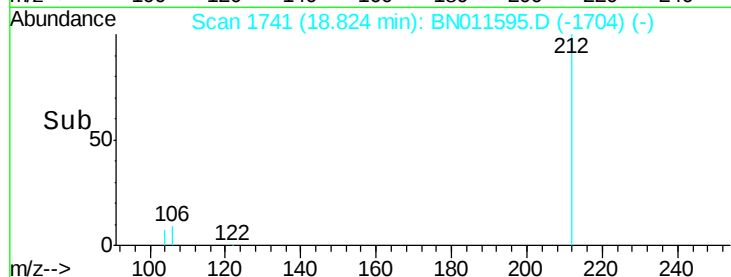
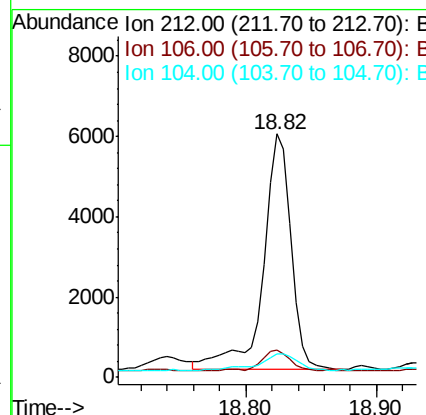
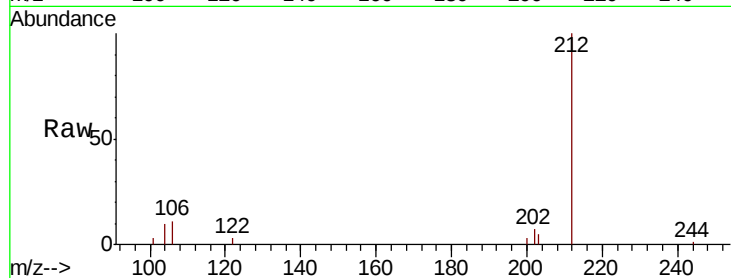
ClientSampleId :

COMP-2-(1-2)

Tot Ion	Ratio	Resp	Lower	Upper
212	100	8725		
106	9.2		6.2	9.2
104	8.2		3.8	5.6#

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#28

Fluoranthene

Concen: 5.755 ng

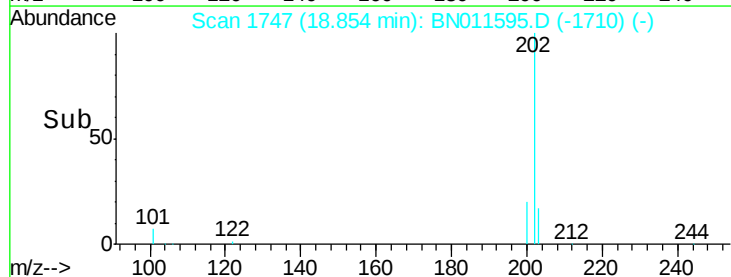
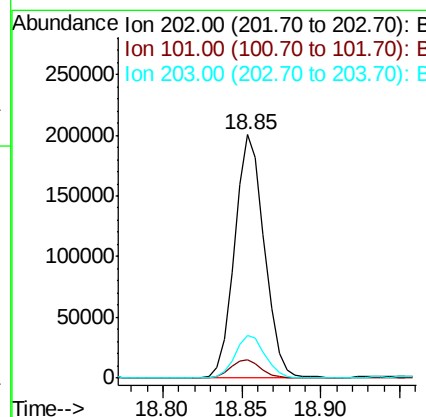
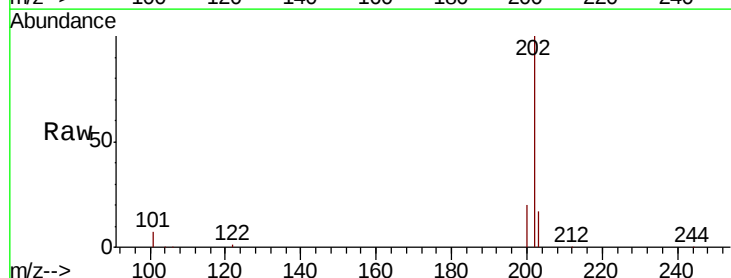
RT: 18.85 min Scan# 1747

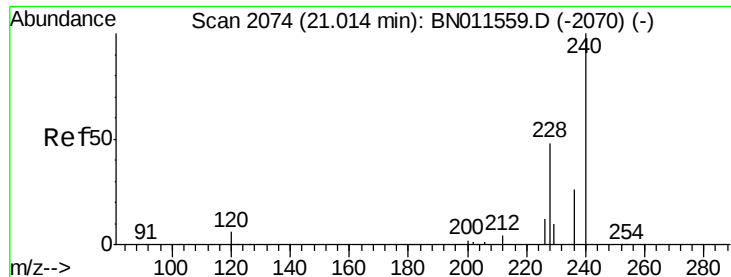
Delta R.T. -0.01 min

Lab File: BN011595.D

Acq: 22 Aug 2020 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	260783		
101	7.5		5.2	7.8
203	17.6		13.6	20.4





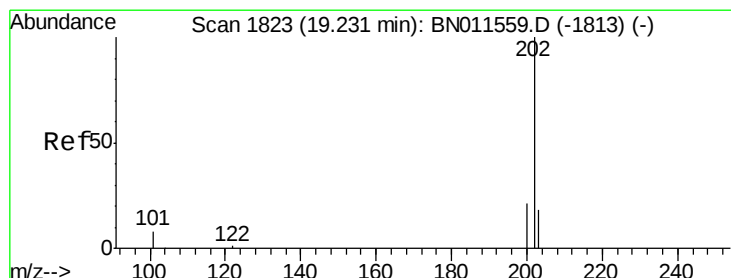
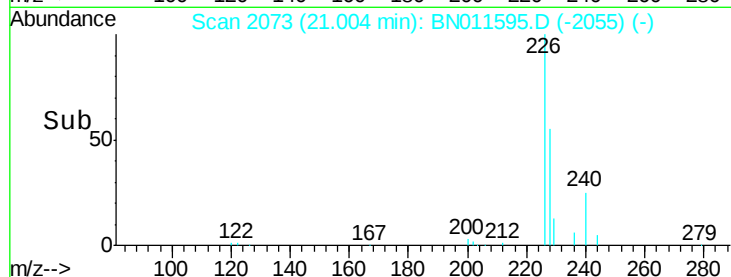
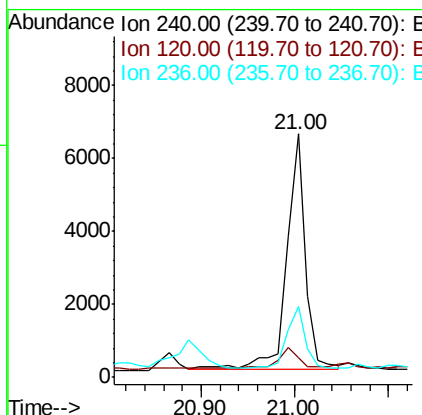
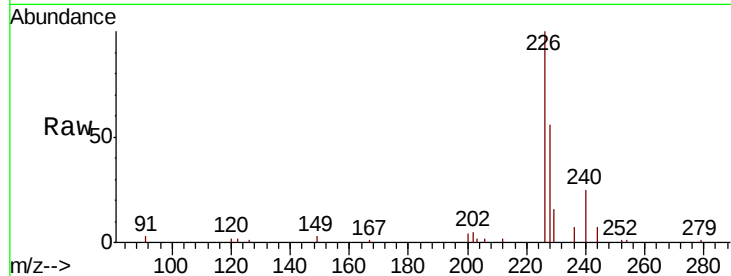
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.00 min Scan# 2073
Delta R.T. -0.01 min
Lab File: BN011595.D
Acq: 22 Aug 2020 19:57

Instrument :
BNA_N
ClientSampleId :
COMP-2-(1-2)

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.2	7.4	11.0
236	28.9	22.3	33.5

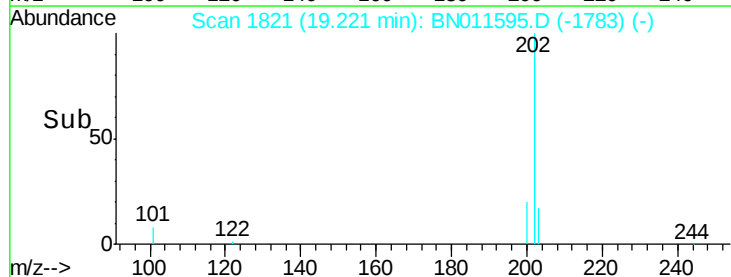
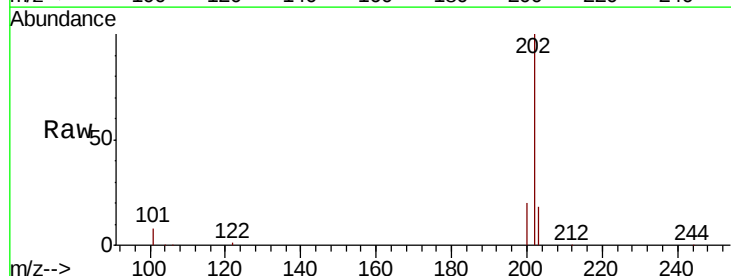
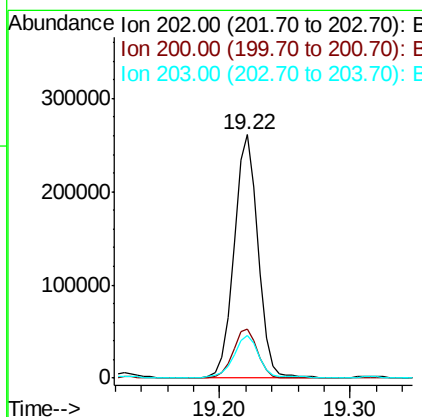
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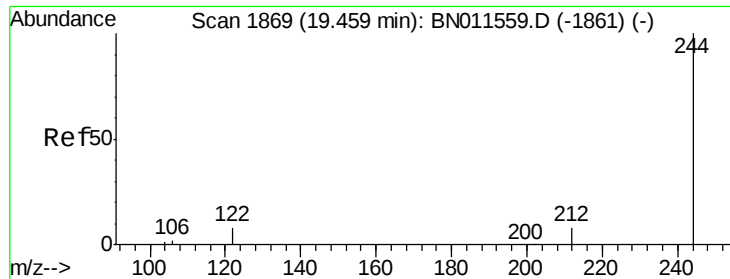
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#30
Pyrene
Concen: 9.284 ng
RT: 19.22 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BN011595.D
Acq: 22 Aug 2020 19:57

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.6	25.0
203	18.6	14.2	21.2





#31

Terphenyl-d14

Concen: 0.481 ng

RT: 19.44 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BN011595.D

Acq: 22 Aug 2020 19:57

Instrument :

BNA_N

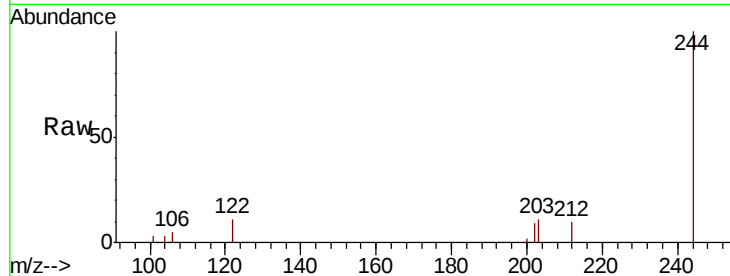
ClientSampleId :

COMP-2-(1-2)

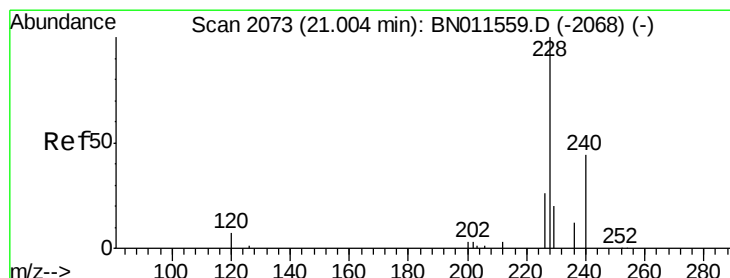
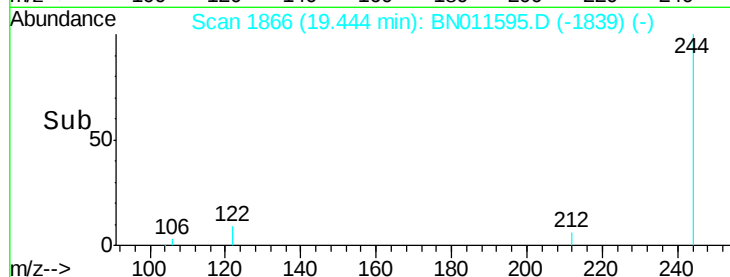
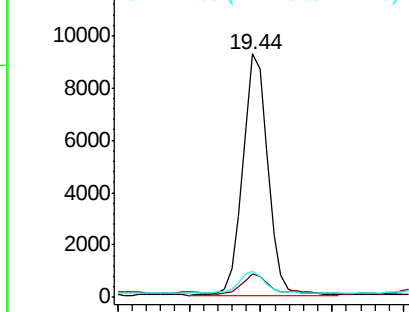
Tot Ion:	244	Resp:	11297
Ion Ratio	Lower	Upper	
244	100		
212	9.5	8.2	12.4
122	10.6	8.0	12.0

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#32

Benzo(a)anthracene

Concen: 3.922 ng m

RT: 20.98 min Scan# 2071

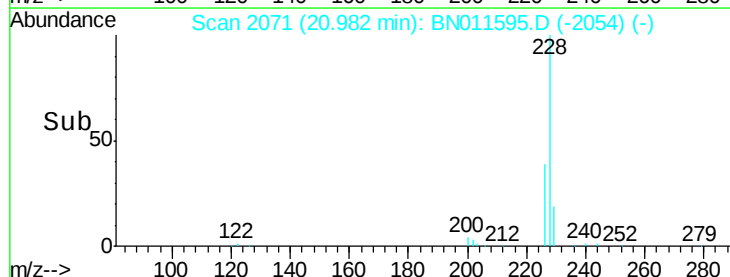
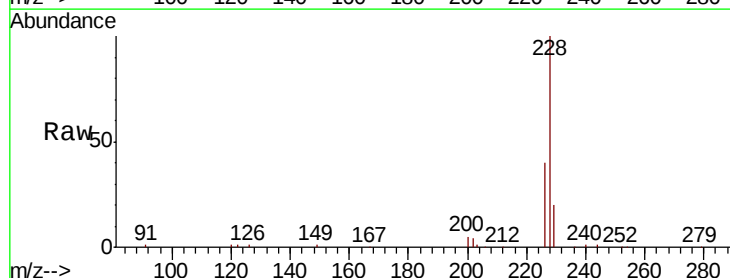
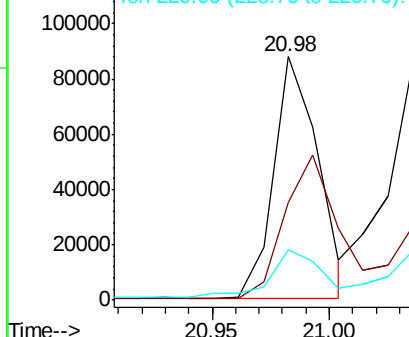
Delta R.T. -0.02 min

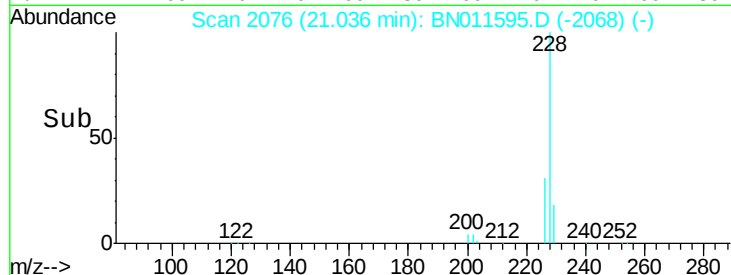
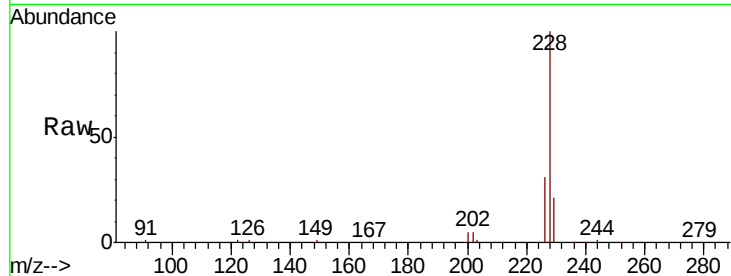
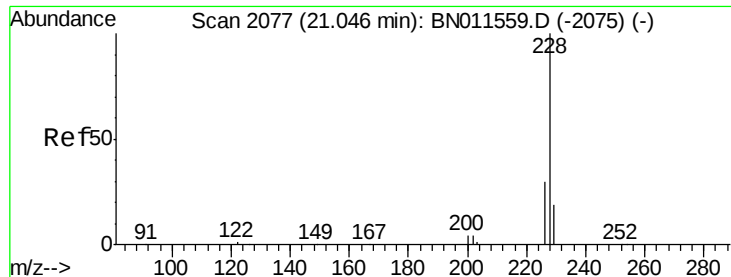
Lab File: BN011595.D

Acq: 22 Aug 2020 19:57

Tgt Ion:	228	Resp:	116088
Ion Ratio	Lower	Upper	
228	100		
226	40.1	22.2	33.2#
229	20.4	16.9	25.3

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





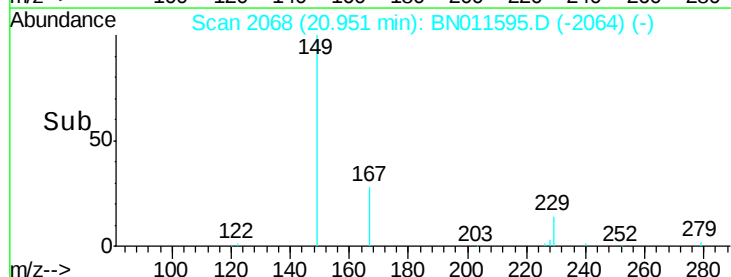
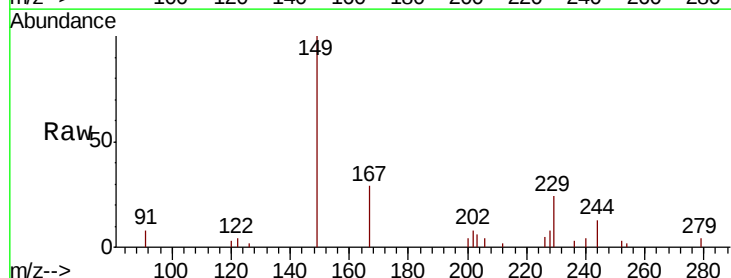
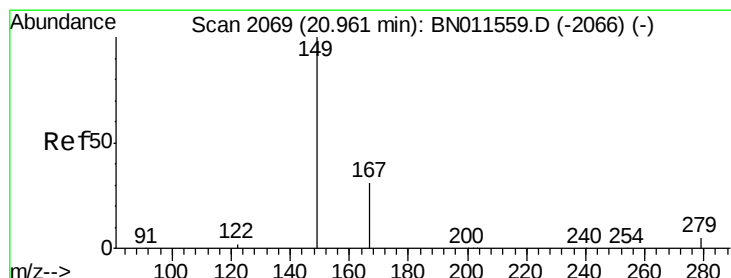
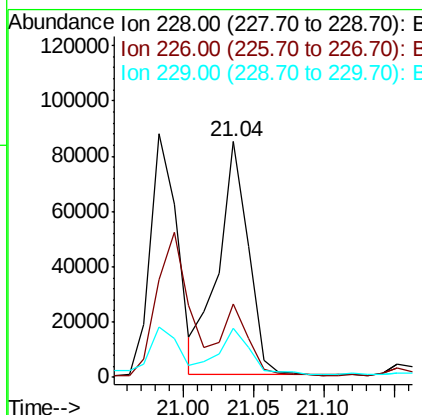
#33
 Chrysene
 Concen: 3.740 ng
 RT: 21.04 min Scan# 2076
 Delta R.T. -0.01 min
 Lab File: BN011595.D
 Acq: 22 Aug 2020 19:57

Tot Ion:228	Resp:	125952
Ion Ratio	Lower	Upper
228 100		
226 31.3	24.5	36.7
229 21.0	16.2	24.2

Instrument :
 BNA_N
 ClientSampleId :
 COMP-2-(1-2)

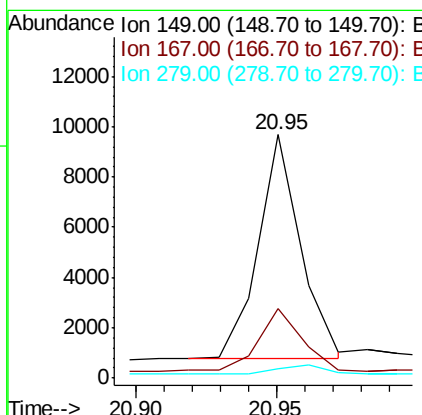
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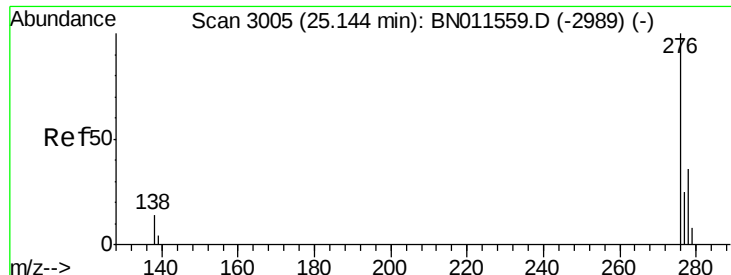
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#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.687 ng
 RT: 20.95 min Scan# 2068
 Delta R.T. -0.01 min
 Lab File: BN011595.D
 Acq: 22 Aug 2020 19:57

Tgt Ion:149	Resp:	9270
Ion Ratio	Lower	Upper
149 100		
167 28.3	22.8	34.2
279 4.6	4.2	6.2





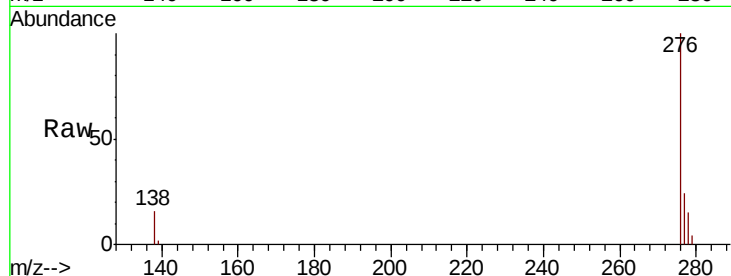
#35
 Indeno(1,2,3-cd)pyrene
 Concen: 4.598 ng
 RT: 25.12 min Scan# 2997
 Delta R.T. -0.03 min
 Lab File: BN011595.D
 Acq: 22 Aug 2020 19:57

Instrument :
 BNA_N
 ClientSampleId :
 COMP-2-(1-2)

Tot Ion	Ratio	Resp	Lower	Upper
276	100	140608		
138	16.6		11.6	17.4
277	24.1		18.2	27.4

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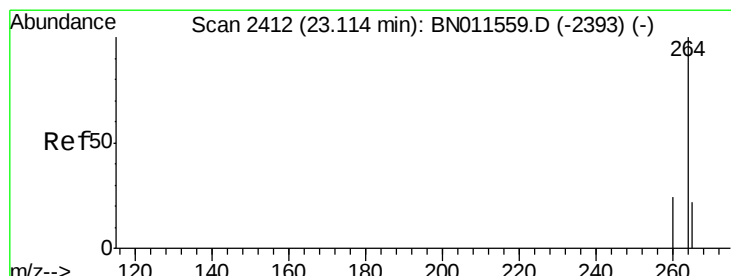
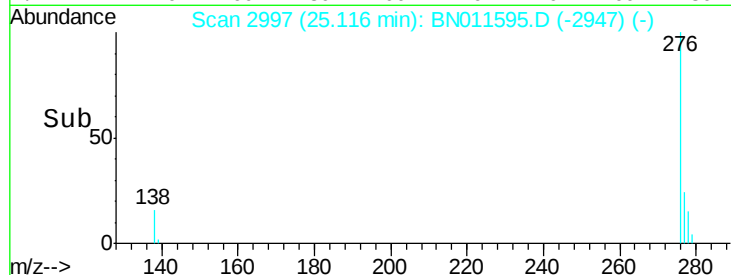
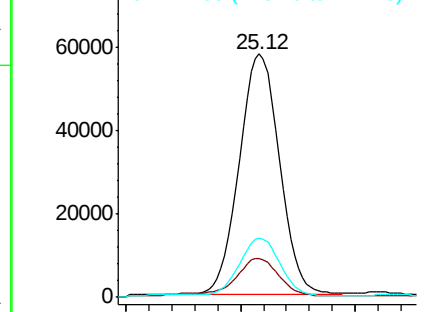


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#36
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.09 min Scan# 2406
 Delta R.T. -0.02 min
 Lab File: BN011595.D
 Acq: 22 Aug 2020 19:57

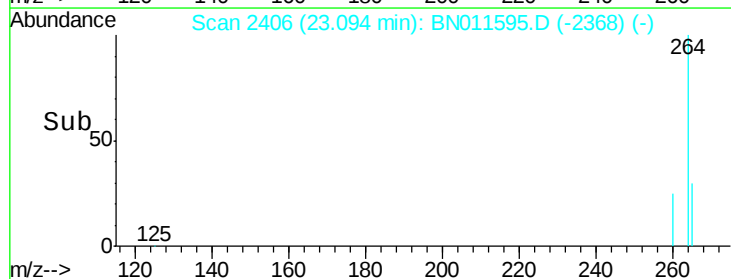
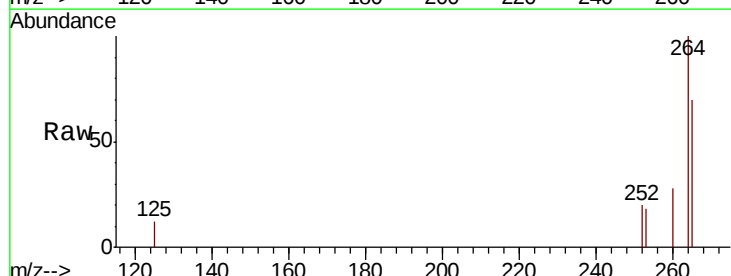
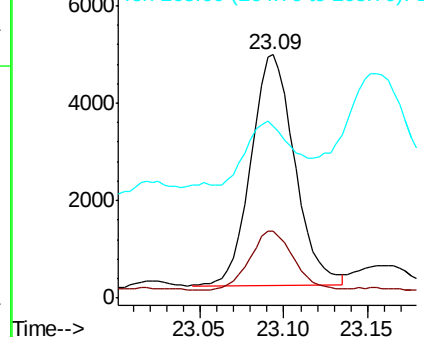
Tgt Ion	Ratio	Resp	Lower	Upper
264	100	8675		
260	27.5		20.3	30.5
265	70.4		96.1	144.1#

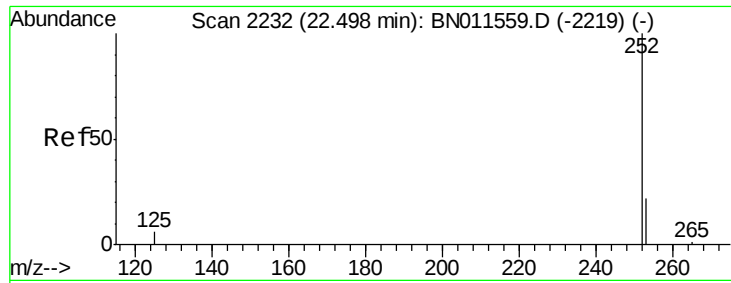
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#37

Benzo(b)fluoranthene

Concen: 5.880 ng m

RT: 22.48 min Scan# 2228

Delta R.T. -0.01 min

Lab File: BN011595.D

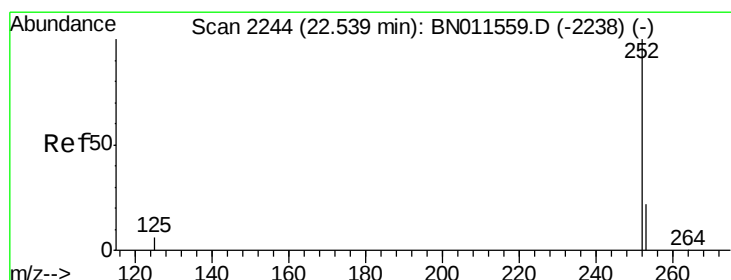
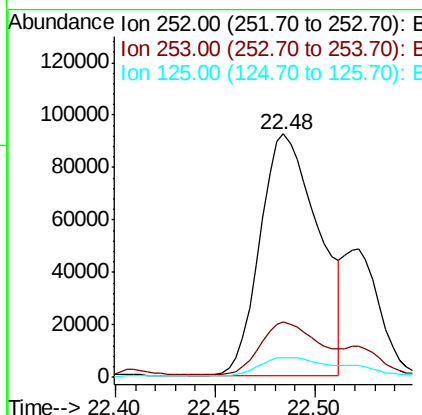
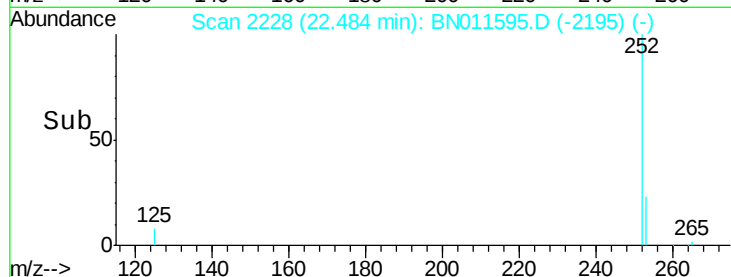
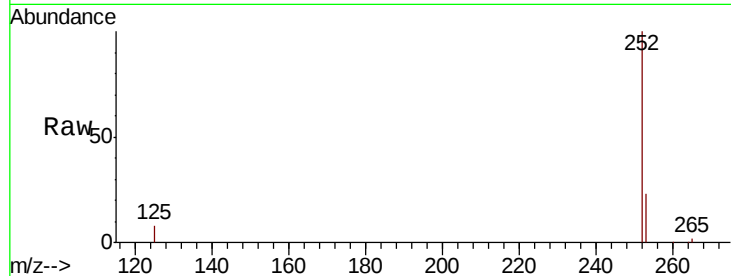
Acq: 22 Aug 2020 19:57

Instrument :
BNA_N
ClientSampleId :
COMP-2-(1-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	25.5	38.3#
125	8.2	10.2	15.4#

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#38

Benzo(k)fluoranthene

Concen: 1.556 ng m

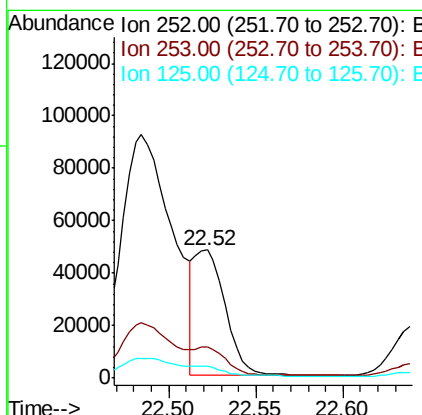
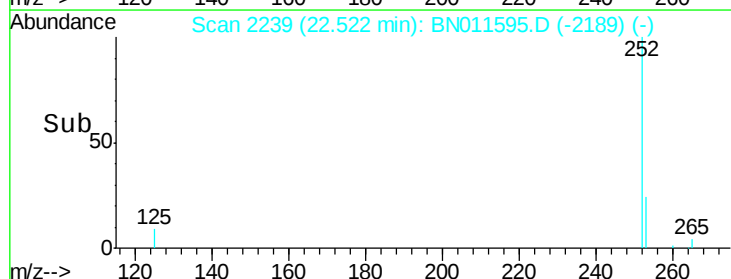
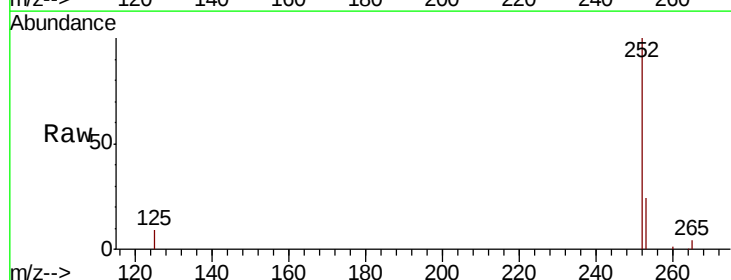
RT: 22.52 min Scan# 2239

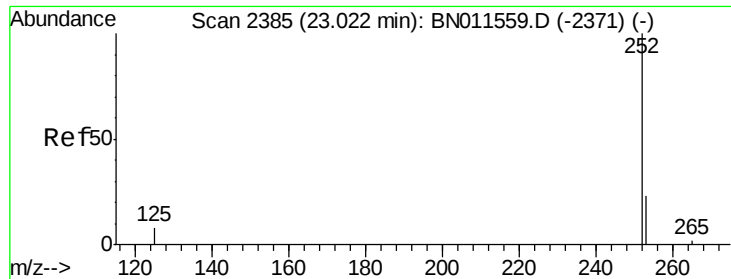
Delta R.T. -0.02 min

Lab File: BN011595.D

Acq: 22 Aug 2020 19:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	25.8	38.6#
125	8.9	10.8	16.2#





#39

Benzo(a)pyrene

Concen: 4.552 ng

RT: 23.00 min Scan# 2380

Delta R.T. -0.02 min

Lab File: BN011595.D

Acq: 22 Aug 2020 19:57

Instrument :

BNA_N

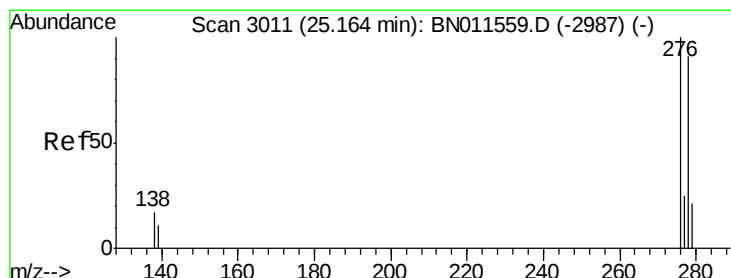
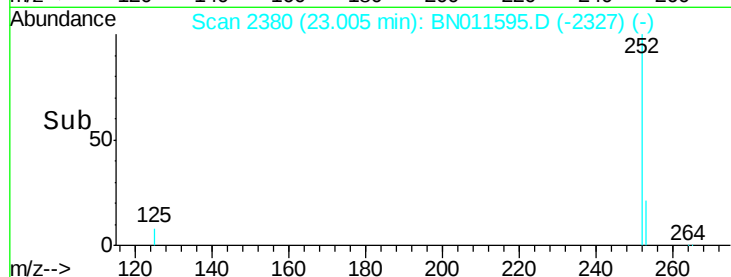
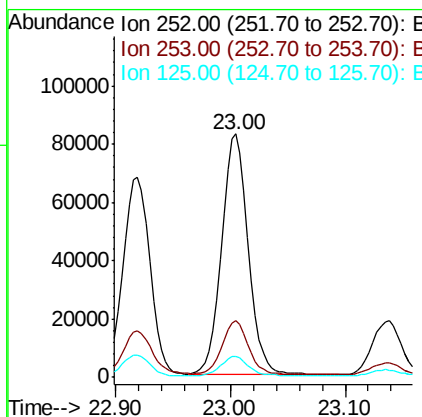
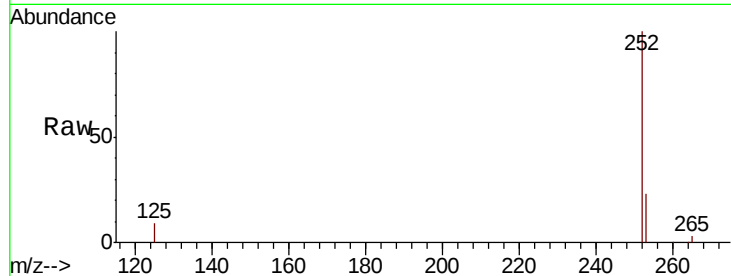
ClientSampled :

COMP-2-(1-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	31.8	47.8#
125	8.6	15.4	23.0#

Manual Integrations
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Sohil
8/24/2020 1:51:05 PM



#40

Dibenzo(a,h)anthracene

Concen: 1.003 ng m

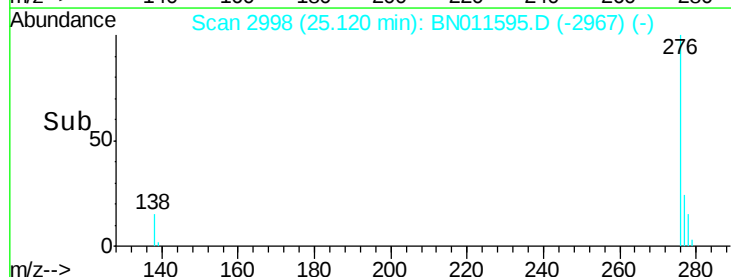
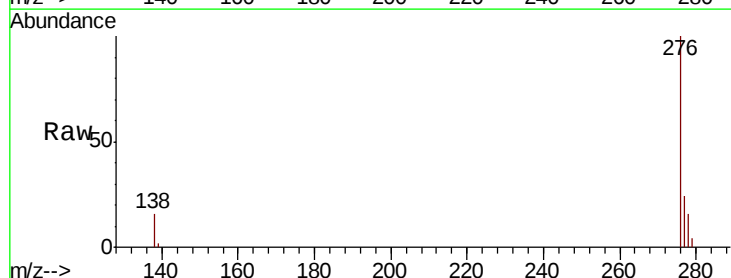
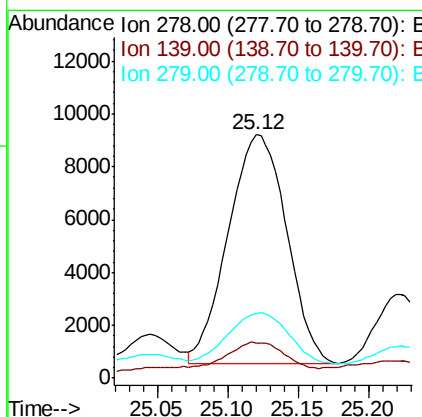
RT: 25.12 min Scan# 2998

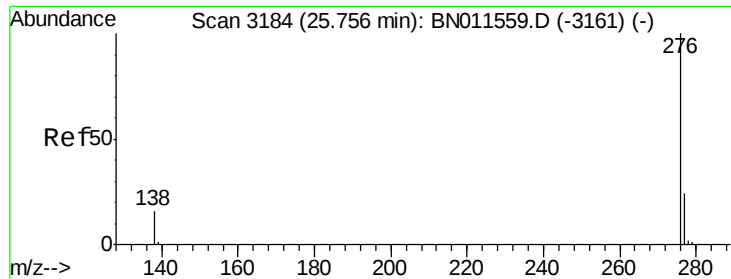
Delta R.T. -0.04 min

Lab File: BN011595.D

Acq: 22 Aug 2020 19:57

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.4	14.0	21.0
279	26.5	32.4	48.6#





#41
 Benzo(a,h,i)perylene
 Concen: 5.857 ng
 RT: 25.73 min Scan# 3177
 Delta R.T. -0.02 min
 Lab File: BN011595.D
 Acq: 22 Aug 2020 19:57

Instrument :
 BNA_N
 ClientSampleId :
 COMP-2-(1-2)

Tot Ion:	276	Resp:	173350
Ion Ratio	Lower	Upper	
276	100		
277	23.9	22.1	33.1
138	16.5	15.4	23.2

Manual Integrations
 APPROVED

Sohil
 8/24/2020 1:51:05 PM

