

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082120\
 Data File : BN011593.D
 Acq On : 22 Aug 2020 18:44
 Operator : CG/JU
 Sample : L3729-16
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 COMP-3-(2-3)

Manual Integrations
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Sohil
 8/24/2020 1:51:04 PM

Quant Time: Aug 24 02:50:46 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	1976	0.40	ng	0.00
7) Naphthalene-d8	10.14	136	6855	0.40	ng	-0.01
13) Acenaphthene-d10	14.03	164	4196	0.40	ng	0.00
19) Phenanthrene-d10	16.79	188	8164	0.40	ng	0.00
29) Chrysene-d12	21.00	240	7630	0.40	ng	-0.01
36) Perylene-d12	23.09	264	8542	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.06	112	1093	0.26	ng	0.00
5) Phenol-d6	6.62	99	995	0.23	ng	0.00
8) Nitrobenzene-d5	8.54	82	1589	0.35	ng	-0.01
11) 2-Methylnaphthalene-d10	11.74	152	2091	0.17	ng	-0.01
14) 2,4,6-Tribromophenol	15.54	330	438	0.21	ng	-0.01
15) 2-Fluorobiphenyl	12.63	172	5513	0.32	ng	-0.03
27) Fluoranthene-d10	18.82	212	5119	0.19	ng	-0.01
31) Terphenyl-d14	19.45	244	7780	0.39	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.19	128	6536	0.329	ng	97
12) 2-Methylnaphthalene	11.81	142	1653	0.121	ng	98
16) Acenaphthylene	13.74	152	7958	0.373	ng	99
17) Acenaphthene	14.09	154	330	0.024	ng	# 88
18) Fluorene	15.09	166	1280	0.069	ng	# 86
25) Phenanthrene	16.82	178	23826	0.927	ng	100
26) Anthracene	16.92	178	5945	0.277	ng	97
28) Fluoranthene	18.85	202	61830	1.870	ng	98
30) Pyrene	19.22	202	80016	2.637	ng	99
32) Benzo(a)anthracene	20.98	228	34850m	1.391	ng	
33) Chrysene	21.04	228	38004	1.333	ng	99
34) Bis(2-ethylhexyl)phthalate	20.95	149	817	0.074	ng	# 95
35) Indeno(1,2,3-cd)pyrene	25.11	276	40382	1.560	ng	96
37) Benzo(b)fluoranthene	22.48	252	54931m	1.740	ng	
38) Benzo(k)fluoranthene	22.52	252	17390m	0.462	ng	
39) Benzo(a)pyrene	23.00	252	45627	1.561	ng	# 76
40) Dibenzo(a,h)anthracene	25.12	278	8544	0.350	ng	# 90
41) Benzo(a,h,i)perylene	25.73	276	51761	1.776	ng	93

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

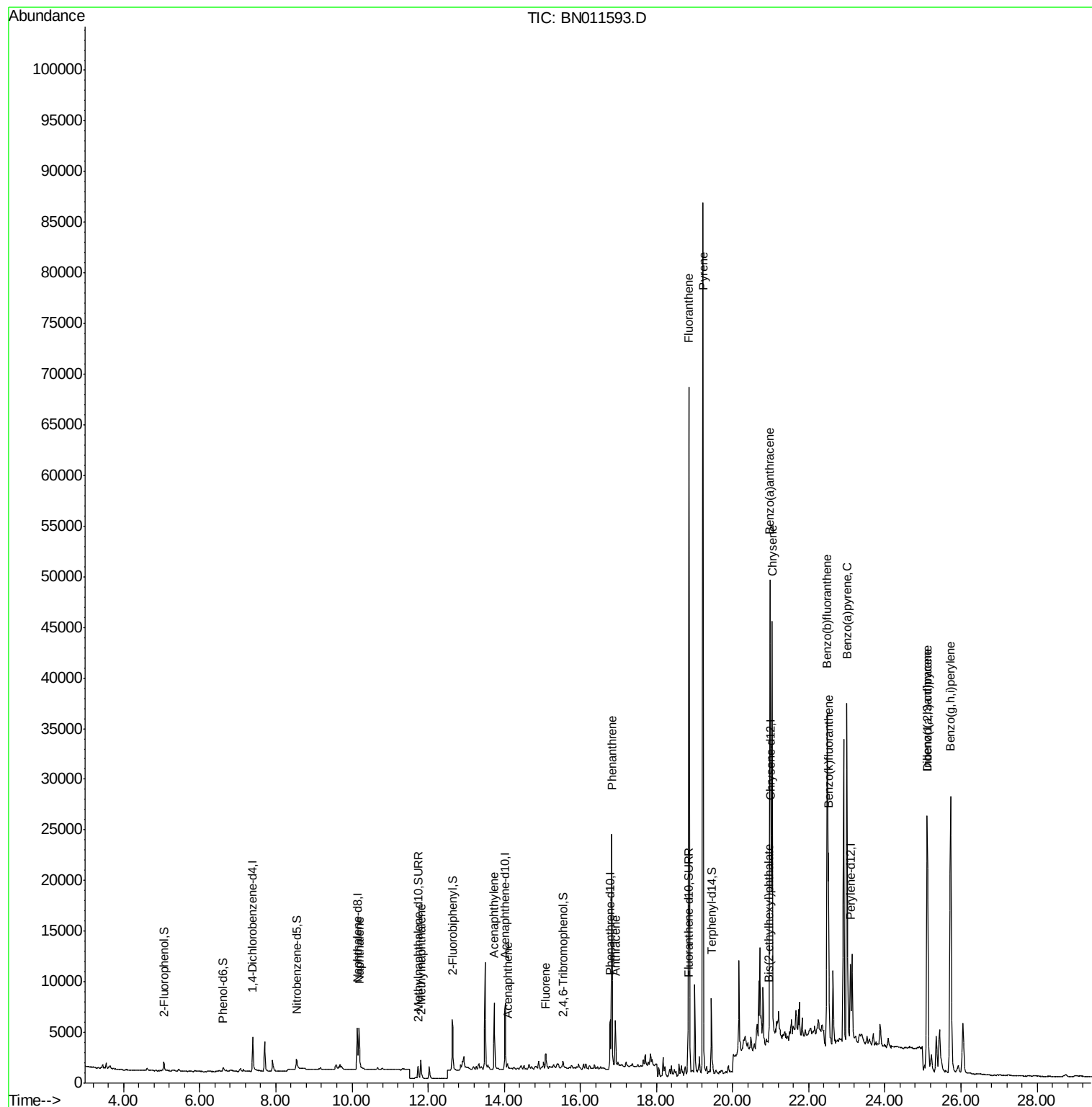
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082120\
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ALS Vial : 38 Sample Multiplier: 1

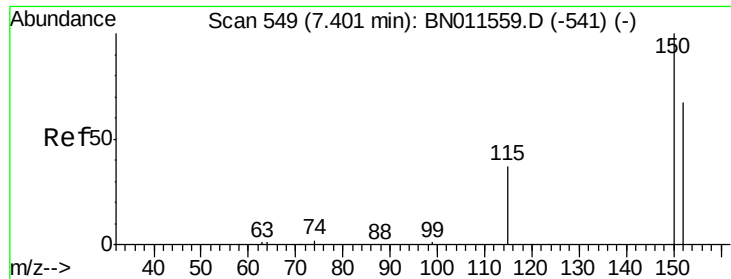
Instrument :
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COMP-3-(2-3)

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Quant Time: Aug 24 02:50:46 2020
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#1

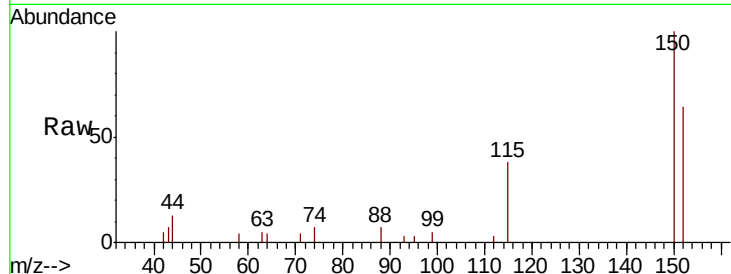
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 548
Delta R.T. -0.01 min
Lab File: BN011593.D
Acq: 22 Aug 2020 18:44

Instrument :
BNA_N
ClientSampleId :
COMP-3-(2-3)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	117.1	175.7
115	59.6	48.7	73.1

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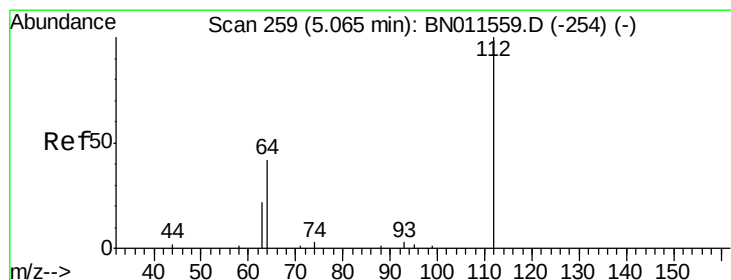
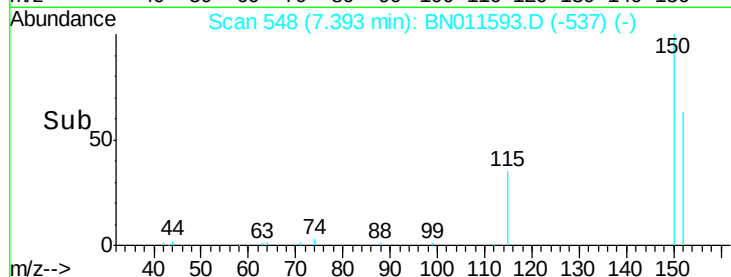
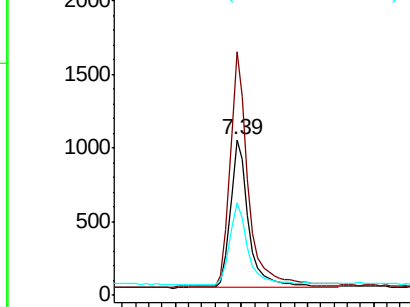


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

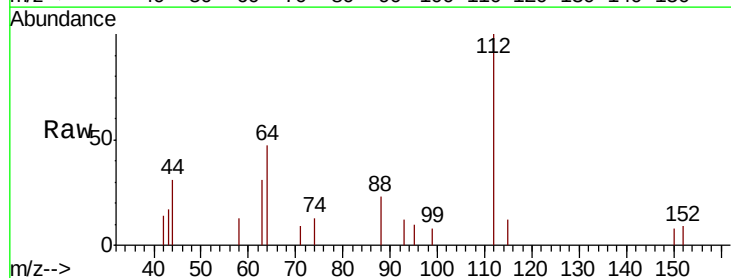
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.259 ng
RT: 5.06 min Scan# 258
Delta R.T. -0.01 min
Lab File: BN011593.D
Acq: 22 Aug 2020 18:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.0	33.9	50.9
63	20.3	17.7	26.5

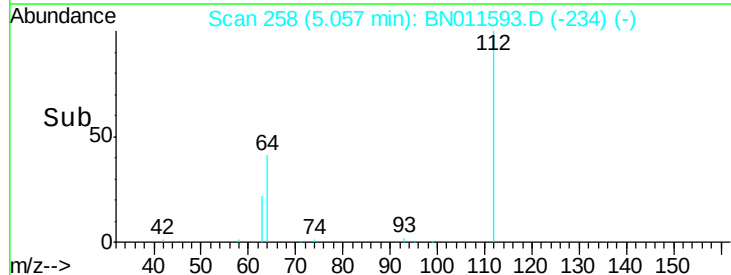
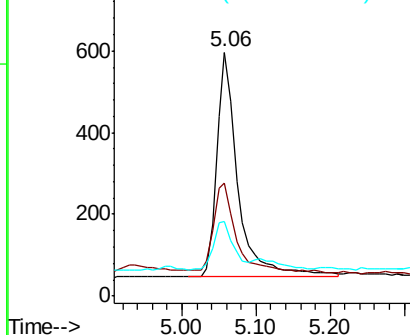


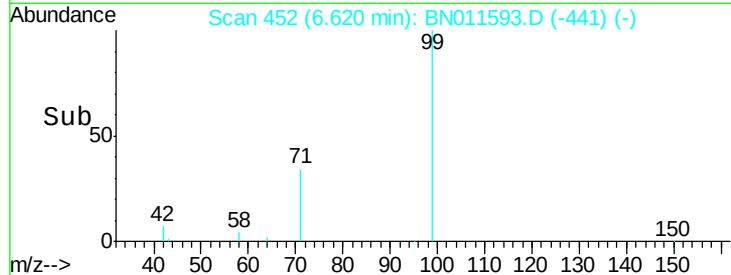
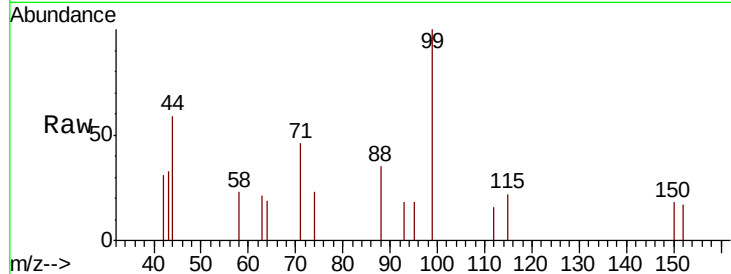
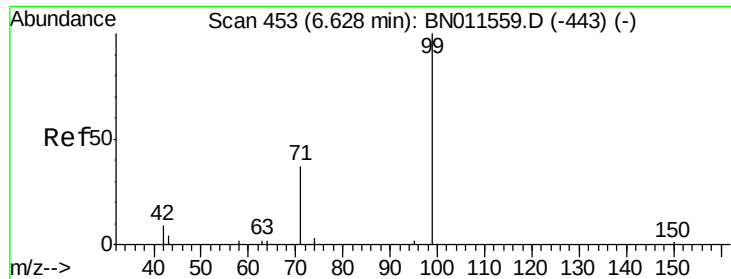
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.234 ng

RT: 6.62 min Scan# 452

Delta R.T. -0.01 min

Lab File: BN011593.D

Acq: 22 Aug 2020 18:44

Tot Ion	99	Resp	995
Ion	Ratio	Lower	Upper
99	100		
42	7.4	9.0	13.4#
71	36.8	30.4	45.6

Instrument :

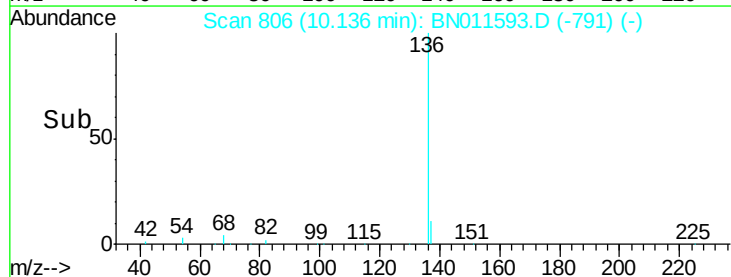
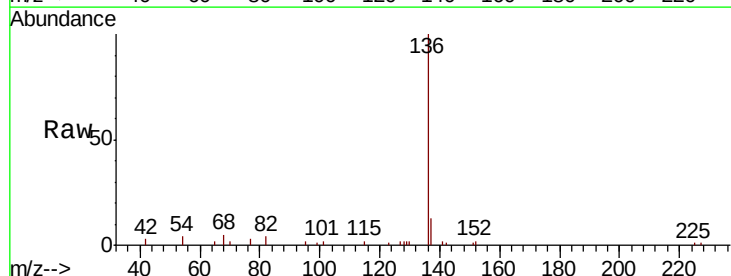
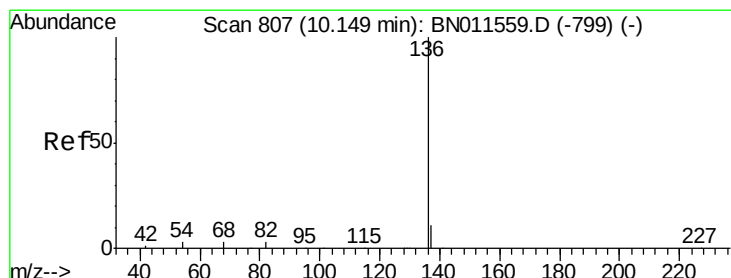
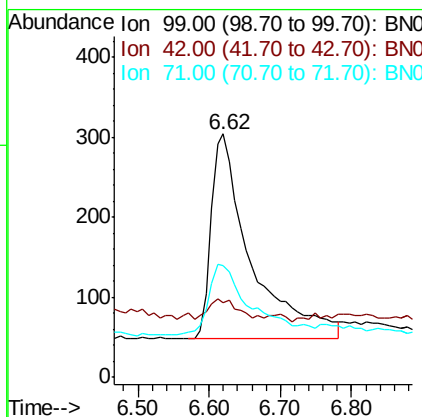
BNA_N

ClientSampleId :

COMP-3-(2-3)

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#7

Naphthalene-d8

Concen: 0.400 ng

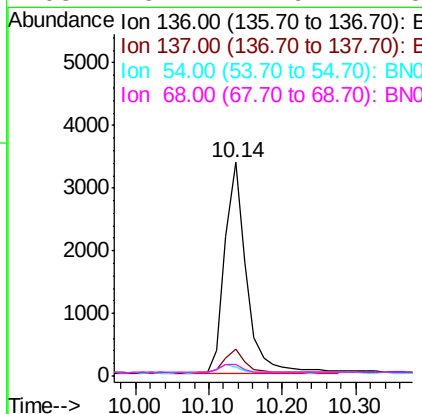
RT: 10.14 min Scan# 806

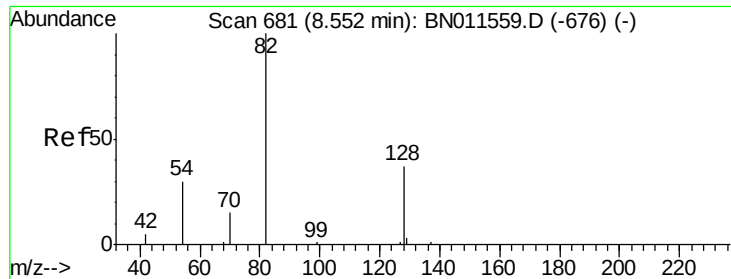
Delta R.T. -0.01 min

Lab File: BN011593.D

Acq: 22 Aug 2020 18:44

Tgt Ion	136	Resp	6855
Ion	Ratio	Lower	Upper
136	100		
137	12.8	11.0	16.4
54	4.3	4.3	6.5
68	5.1	4.9	7.3





#8

Nitrobenzene-d5

Concen: 0.353 ng

RT: 8.54 min Scan# 680

Delta R.T. -0.01 min

Lab File: BN011593.D

Acq: 22 Aug 2020 18:44

Instrument :

BNA_N

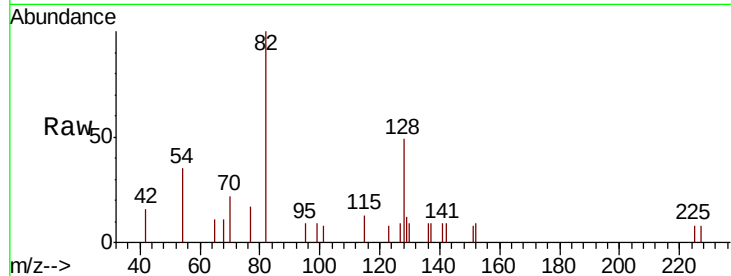
ClientSampleId :

COMP-3-(2-3)

Tot Ion:	82	Resp:	1589
Ion	Ratio	Lower	Upper
82	100		
128	49.3	41.7	62.5
54	35.1	34.4	51.6

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

Ion 128.00 (127.70 to 128.70): BN011559.D (-676) (-)

Ion 54.00 (53.70 to 54.70): BN011559.D (-676) (-)

8.54

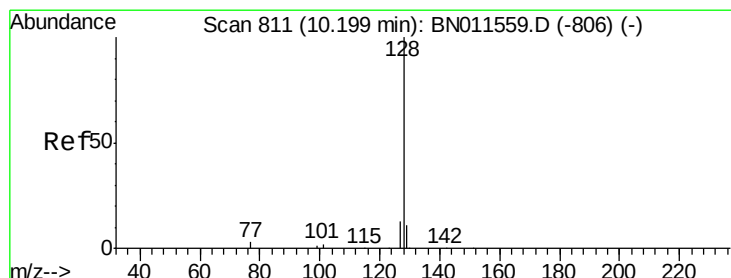
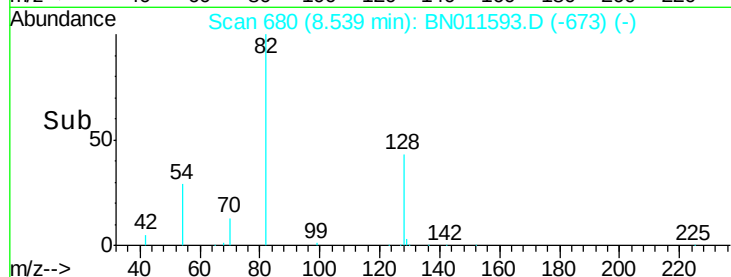
600

400

200

0

Time-->



#9

Naphthalene

Concen: 0.329 ng

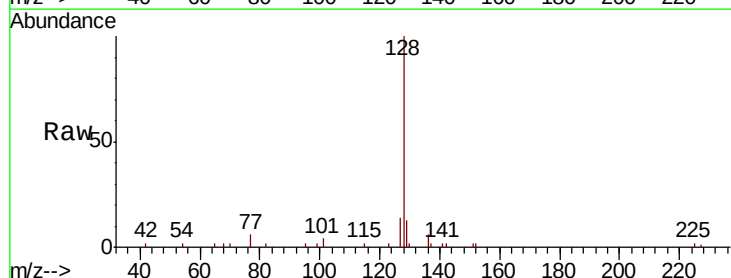
RT: 10.19 min Scan# 810

Delta R.T. -0.01 min

Lab File: BN011593.D

Acq: 22 Aug 2020 18:44

Tgt Ion:	128	Resp:	6536
Ion	Ratio	Lower	Upper
128	100		
129	12.6	10.8	16.2
127	14.0	12.3	18.5



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

Ion 129.00 (128.70 to 129.70): BN011559.D (-806) (-)

Ion 127.00 (126.70 to 127.70): BN011559.D (-806) (-)

10.19

4000

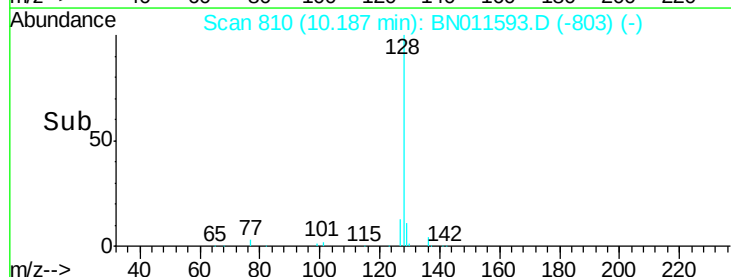
3000

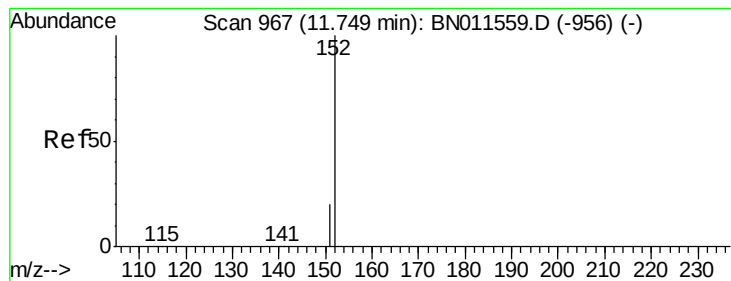
2000

1000

0

Time-->





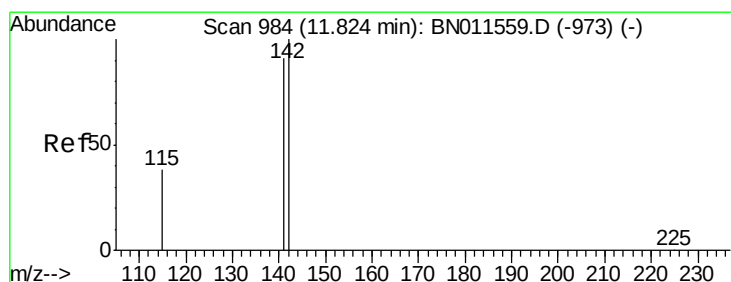
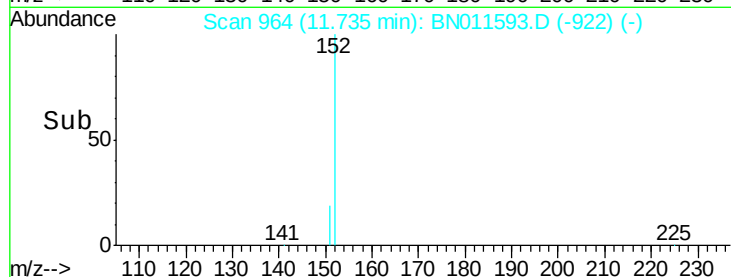
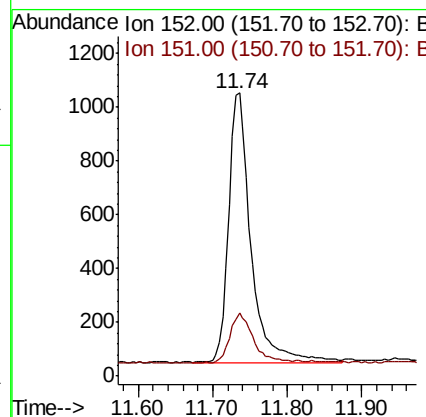
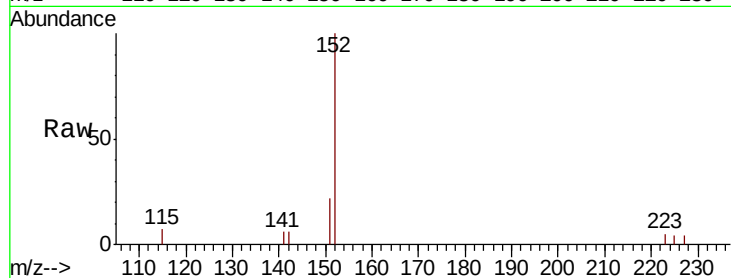
#11
2-Methylnaphthalene-d10
Concen: 0.171 ng
RT: 11.74 min Scan# 964
Delta R.T. -0.01 min
Lab File: BN011593.D
Acq: 22 Aug 2020 18:44

Instrument :
BNA_N
ClientSampleId :
COMP-3-(2-3)

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.3	16.6	24.8

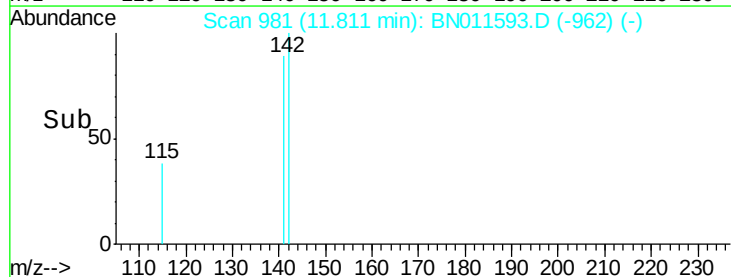
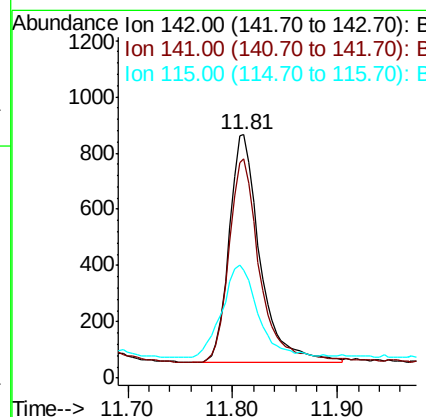
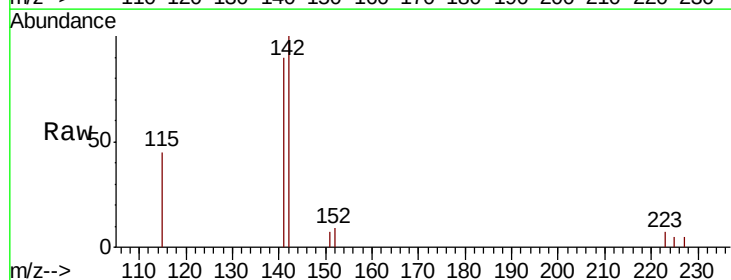
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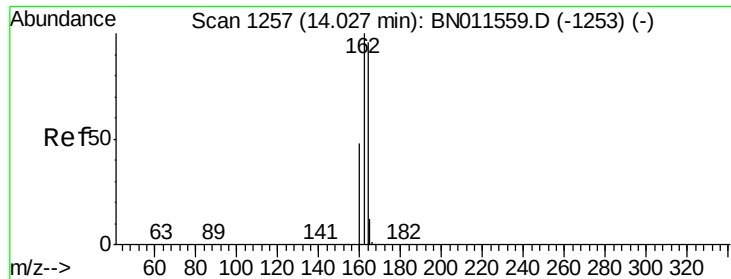
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#12
2-Methylnaphthalene
Concen: 0.121 ng
RT: 11.81 min Scan# 981
Delta R.T. -0.01 min
Lab File: BN011593.D
Acq: 22 Aug 2020 18:44

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.2	73.0	109.6
115	44.6	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: BN011593.D

Acq: 22 Aug 2020 18:44

Instrument :

BNA_N

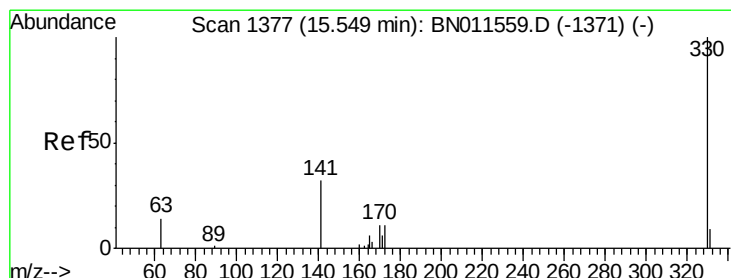
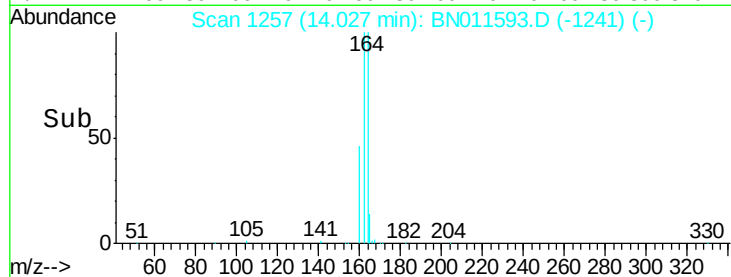
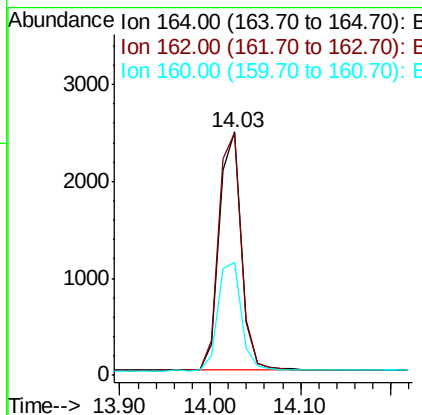
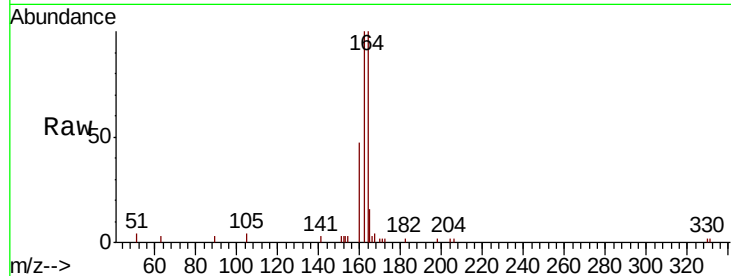
ClientSampleId :

COMP-3-(2-3)

Tot Ion:	164	Resp:	4196
Ion Ratio	Lower	Upper	
164	100		
162	99.5	83.7	125.5
160	46.7	41.1	61.7

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#14

2,4,6-Tribromophenol

Concen: 0.210 ng

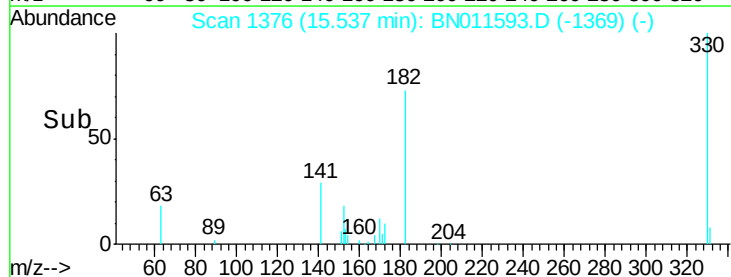
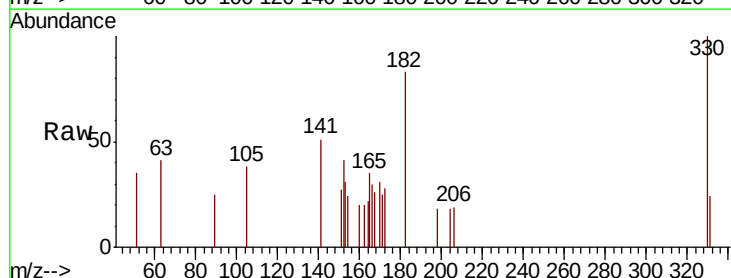
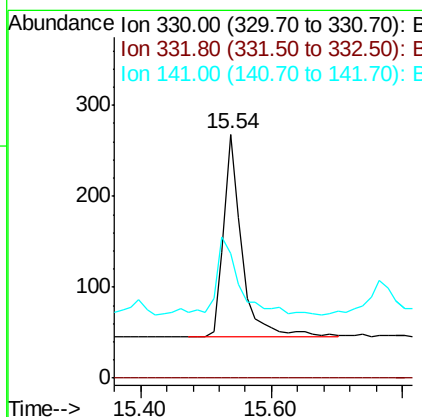
RT: 15.54 min Scan# 1376

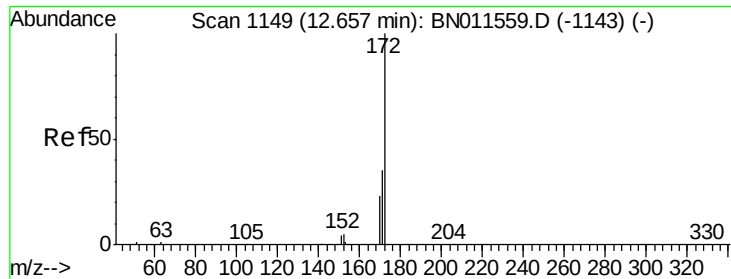
Delta R.T. -0.01 min

Lab File: BN011593.D

Acq: 22 Aug 2020 18:44

Tgt Ion:	330	Resp:	438
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	46.1	34.6	52.0





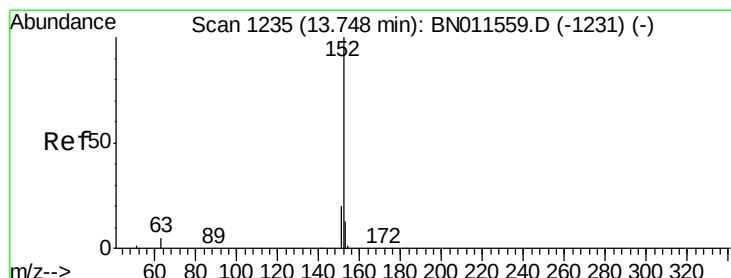
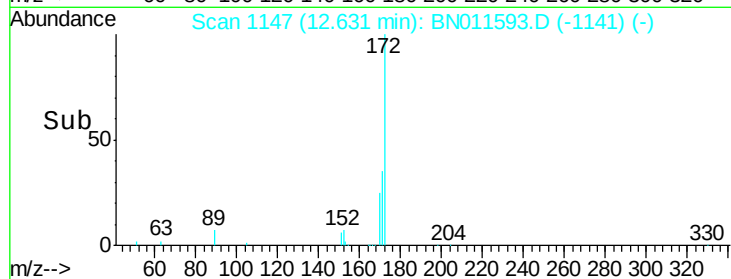
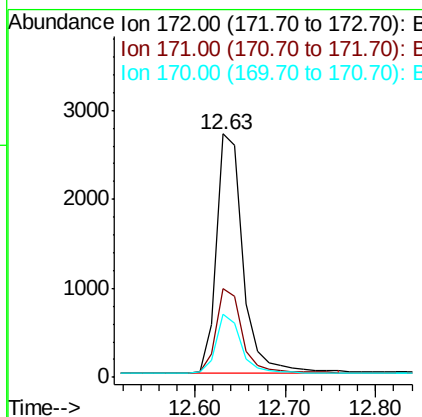
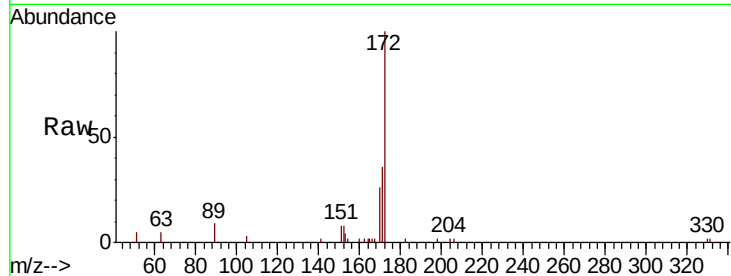
#15
2-Fluorobiphenyl
Concen: 0.319 ng
RT: 12.63 min Scan# 1147
Delta R.T. -0.03 min
Lab File: BN011593.D
Acq: 22 Aug 2020 18:44

Instrument :
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COMP-3-(2-3)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.4	44.0
170	26.0	20.1	30.1

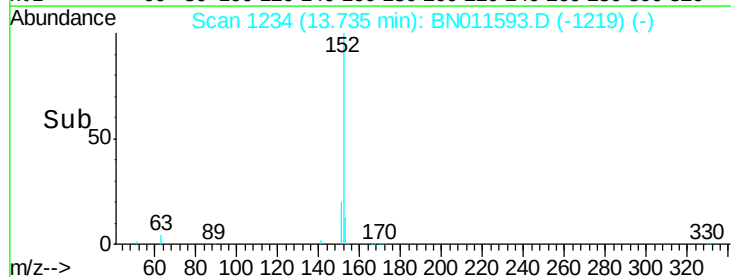
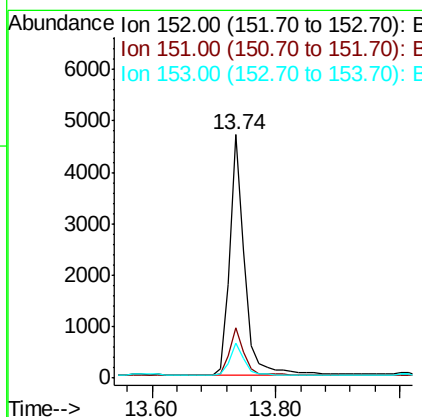
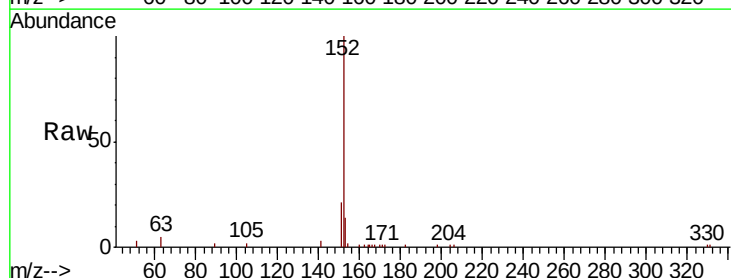
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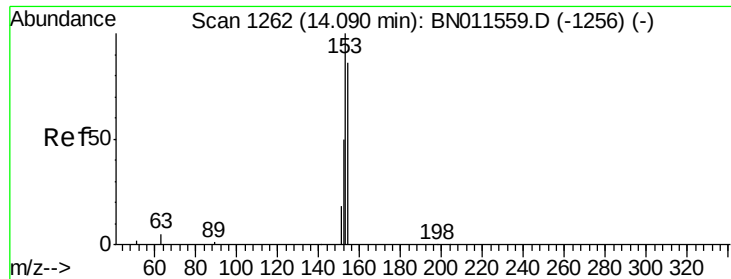
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#16
Acenaphthylene
Concen: 0.373 ng
RT: 13.74 min Scan# 1234
Delta R.T. -0.01 min
Lab File: BN011593.D
Acq: 22 Aug 2020 18:44

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.8
153	13.0	10.6	16.0





#17

Acenaphthene

Concen: 0.024 ng

RT: 14.09 min Scan# 1262

Delta R.T. 0.00 min

Lab File: BN011593.D

Acq: 22 Aug 2020 18:44

Instrument :

BNA_N

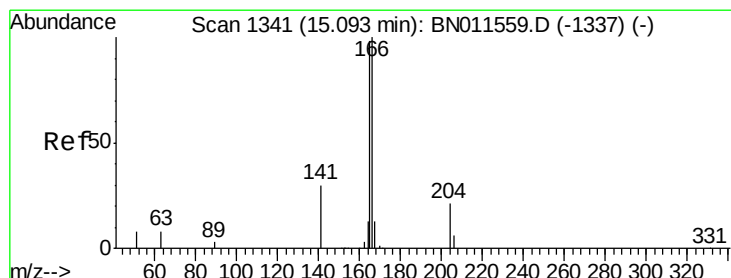
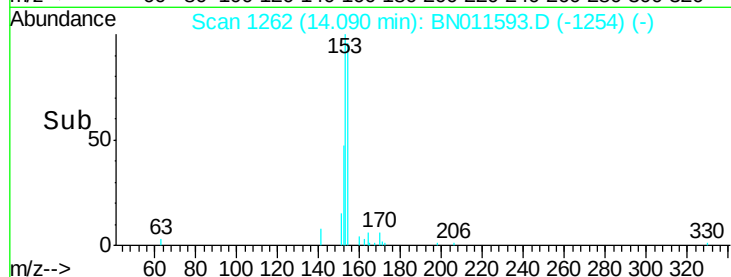
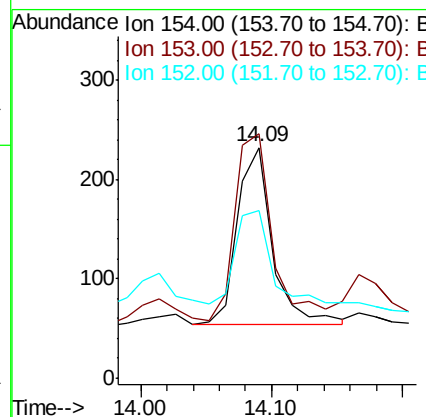
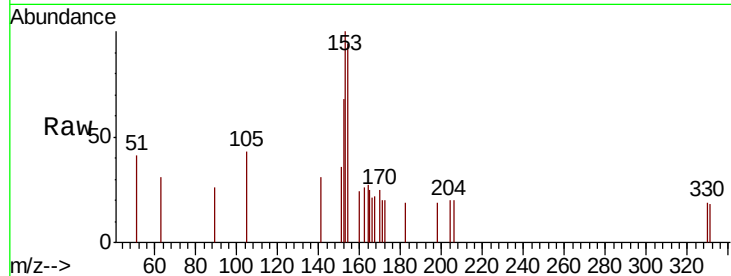
ClientSampleId :

COMP-3-(2-3)

Tot Ion:	154	Resp:	330
Ion Ratio	Lower	Upper	
154	100		
153	112.7	91.8	137.8
152	80.6	46.3	69.5#

Manual Integrations
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#18

Fluorene

Concen: 0.069 ng

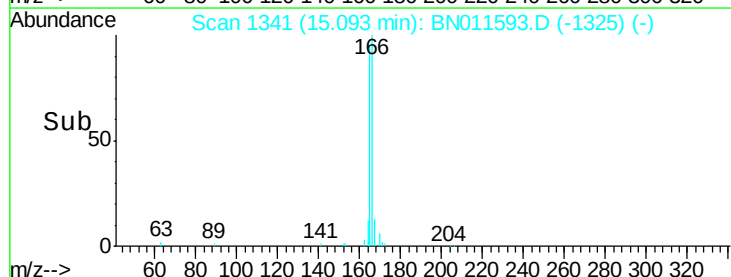
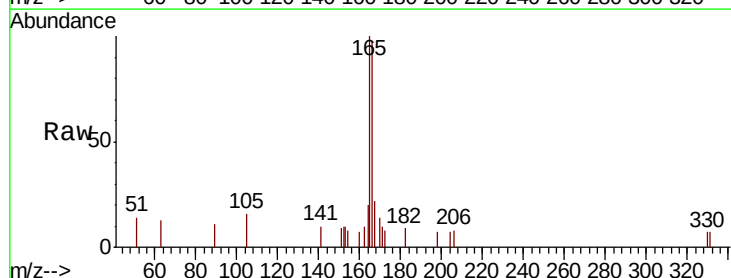
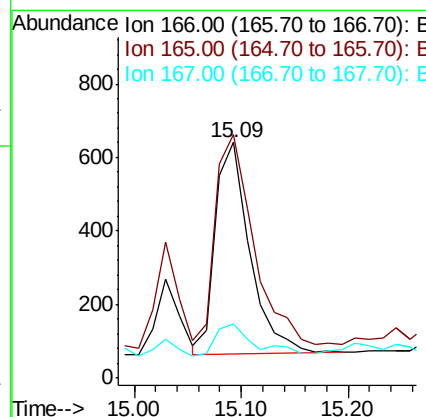
RT: 15.09 min Scan# 1341

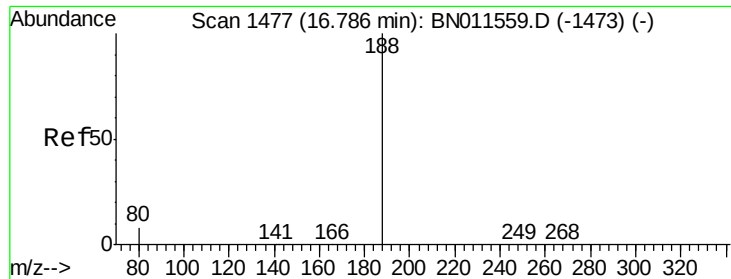
Delta R.T. 0.00 min

Lab File: BN011593.D

Acq: 22 Aug 2020 18:44

Tgt Ion:	166	Resp:	1280
Ion Ratio	Lower	Upper	
166	100		
165	111.9	78.2	117.2
167	18.0	10.7	16.1#





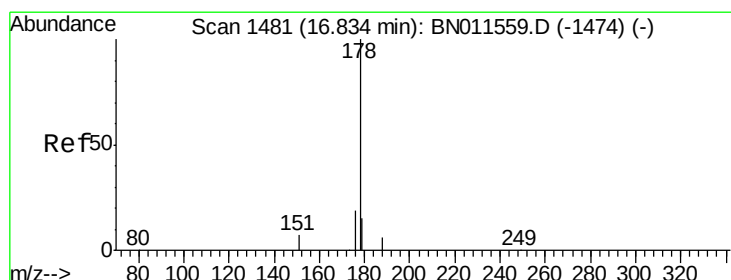
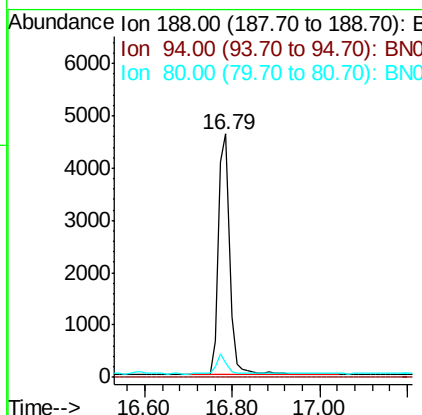
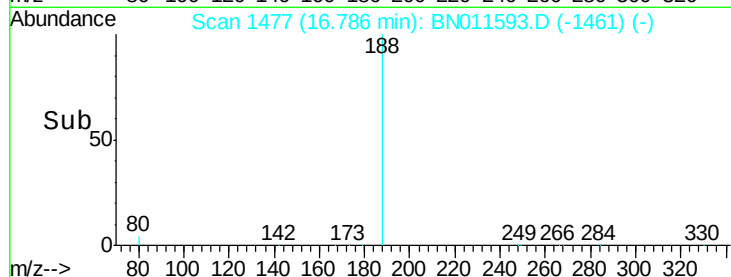
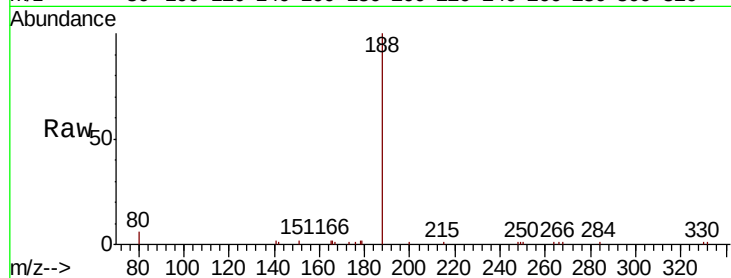
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.79 min Scan# 1477
Delta R.T. 0.00 min
Lab File: BN011593.D
Acq: 22 Aug 2020 18:44

Instrument :
BNA_N
ClientSampleId :
COMP-3-(2-3)

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.0	7.6	11.4#

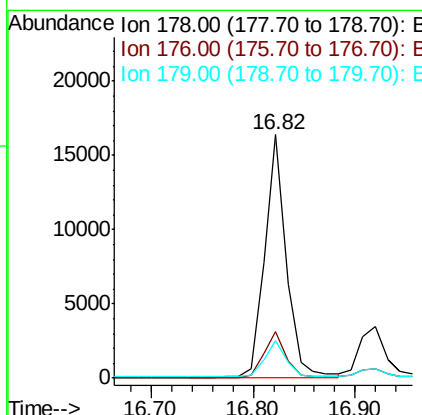
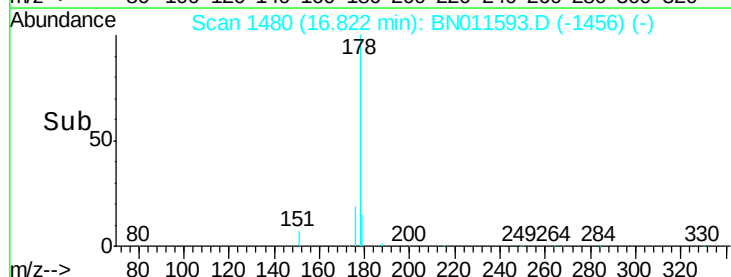
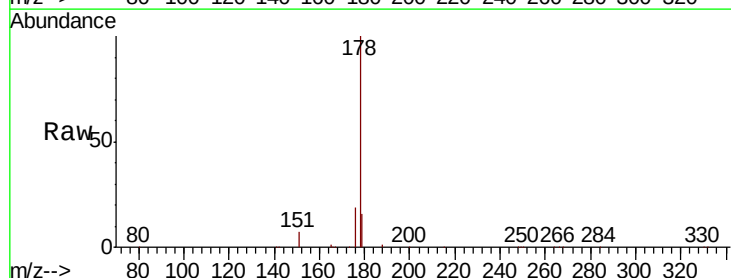
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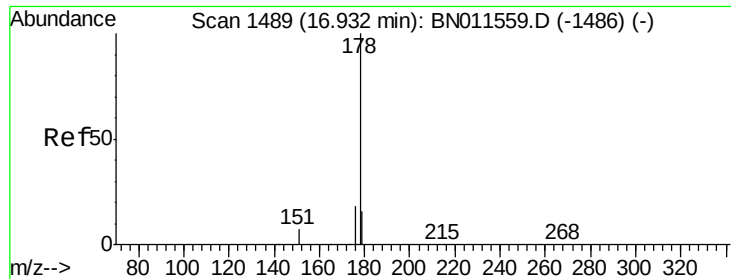
Sohil
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#25
Phenanthrene
Concen: 0.927 ng
RT: 16.82 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BN011593.D
Acq: 22 Aug 2020 18:44

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.3	12.3	18.5





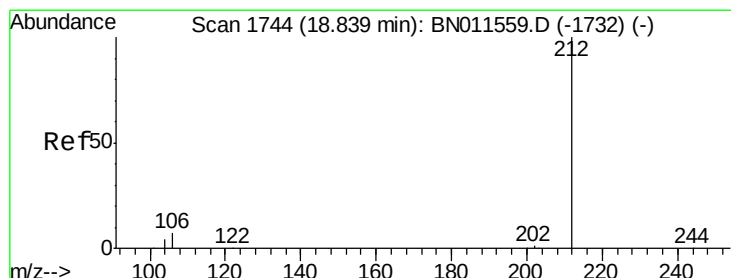
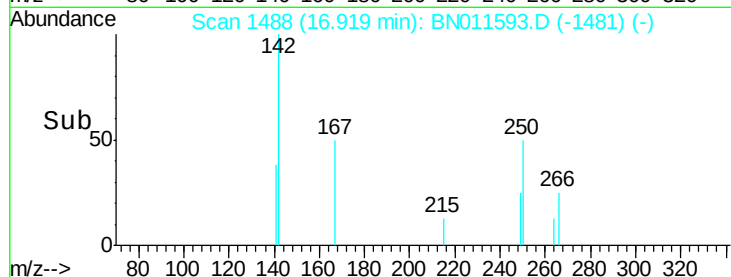
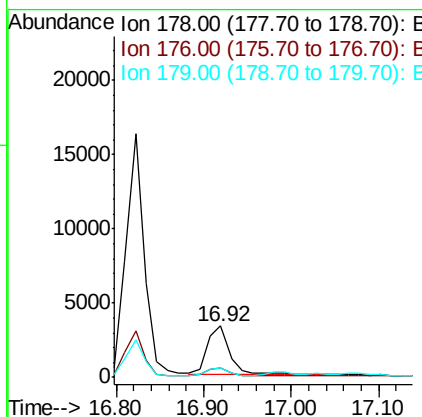
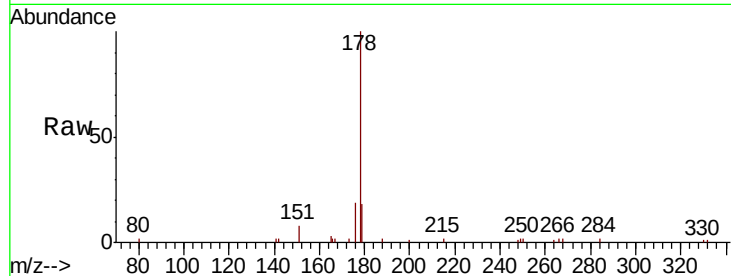
#26
 Anthracene
 Concen: 0.277 ng
 RT: 16.92 min Scan# 1488
 Delta R.T. -0.01 min
 Lab File: BN011593.D
 Acq: 22 Aug 2020 18:44

Instrument :
 BNA_N
 ClientSampleId :
 COMP-3-(2-3)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.4	21.6
179	13.9	12.9	19.3

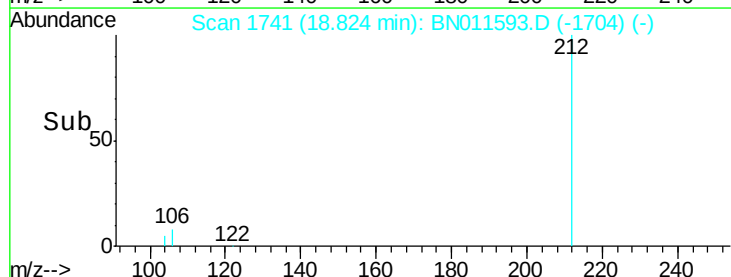
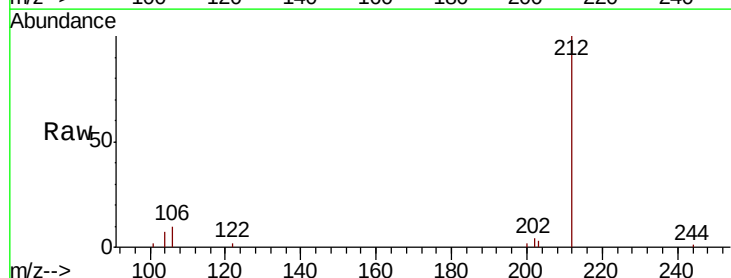
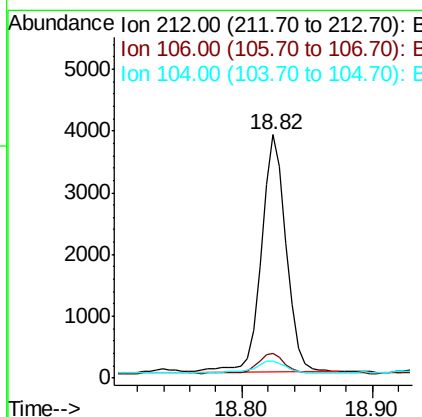
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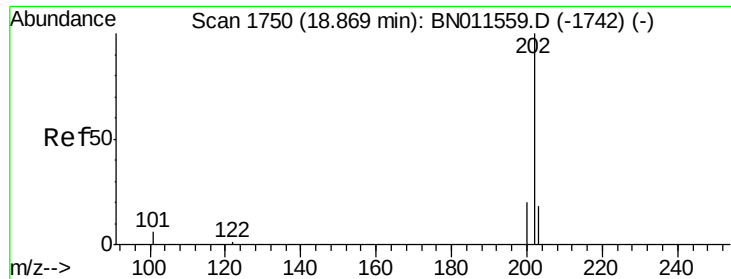
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#27
 Fluoranthene-d10
 Concen: 0.186 ng
 RT: 18.82 min Scan# 1741
 Delta R.T. -0.01 min
 Lab File: BN011593.D
 Acq: 22 Aug 2020 18:44

Tgt Ion	Ratio	Lower	Upper
212	100		
106	9.3	6.2	9.2#
104	6.5	3.8	5.6#





#28

Fluoranthene

Concen: 1.870 ng

RT: 18.85 min Scan# 1747

Delta R.T. -0.01 min

Lab File: BN011593.D

Acq: 22 Aug 2020 18:44

Instrument :

BNA_N

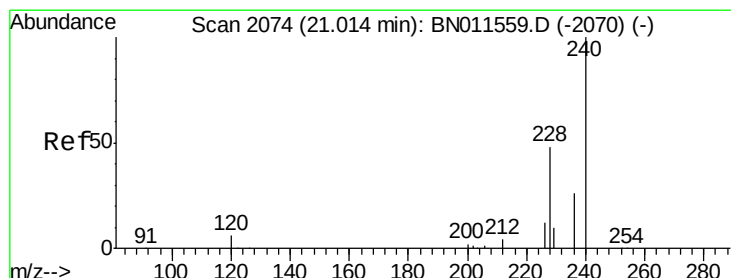
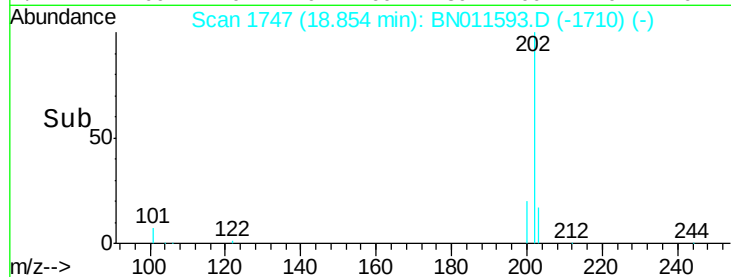
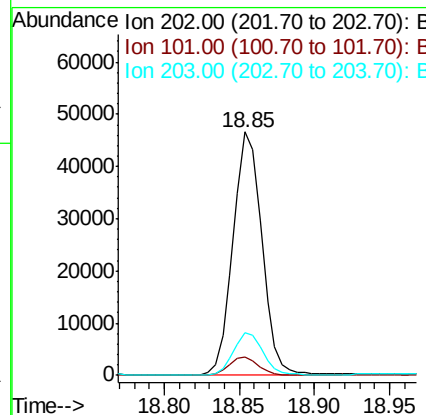
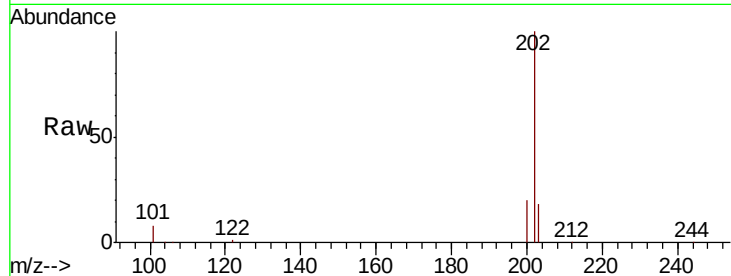
ClientSampleId :

COMP-3-(2-3)

Tot Ion	Ratio	Lower	Upper
202	100		
101	7.5	5.2	7.8
203	17.5	13.6	20.4

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#29

Chrysene-d12

Concen: 0.400 ng

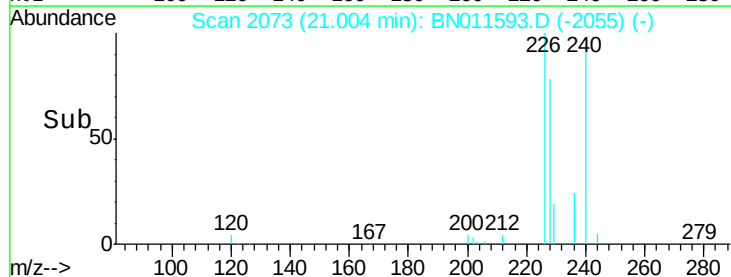
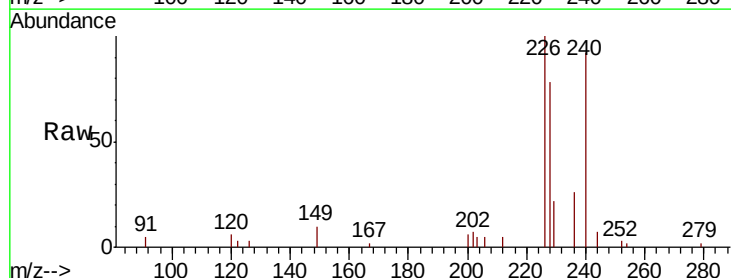
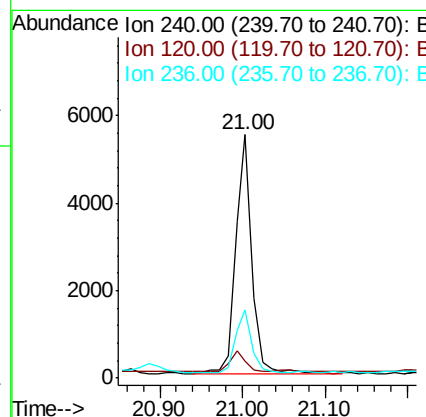
RT: 21.00 min Scan# 2073

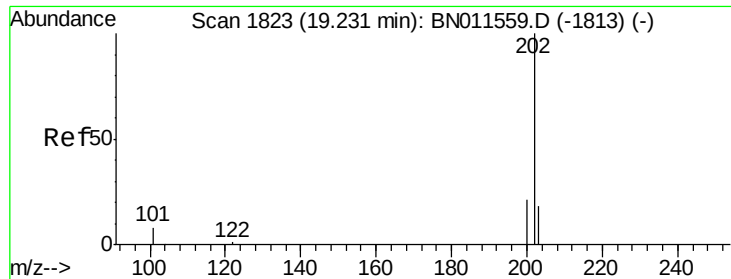
Delta R.T. -0.01 min

Lab File: BN011593.D

Acq: 22 Aug 2020 18:44

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.0	7.4	11.0#
236	27.8	22.3	33.5





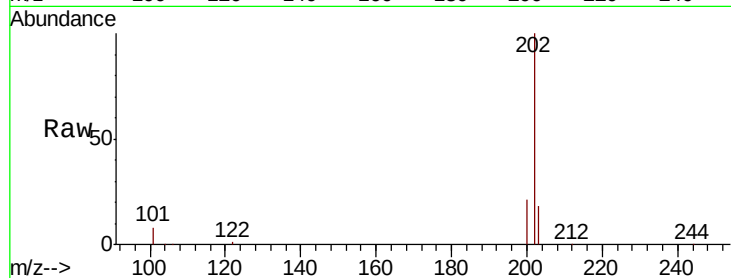
#30
Pvrene
Concen: 2.637 ng
RT: 19.22 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BN011593.D
Acq: 22 Aug 2020 18:44

Instrument :
BNA_N
ClientSampleId :
COMP-3-(2-3)

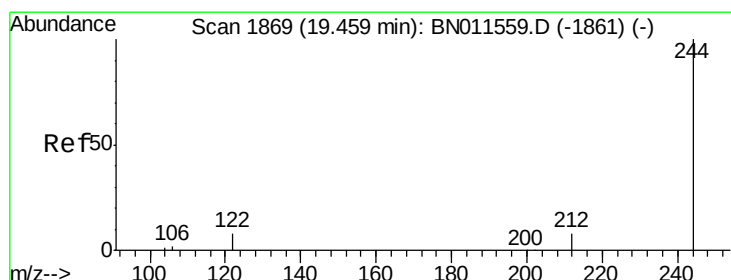
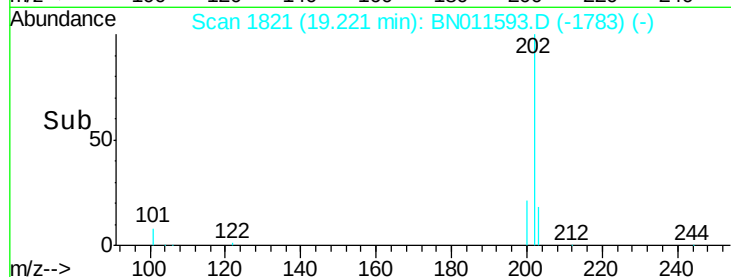
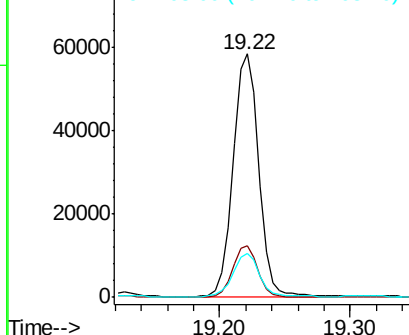
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	25.0
203	18.6	14.2	21.2

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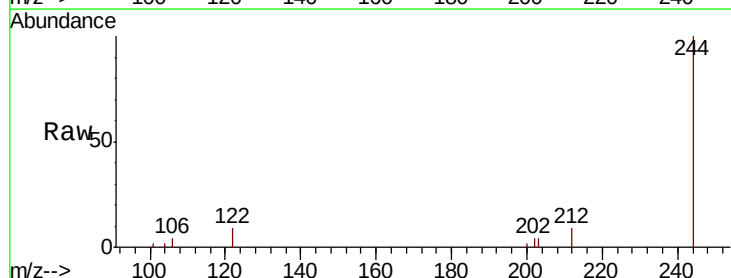


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

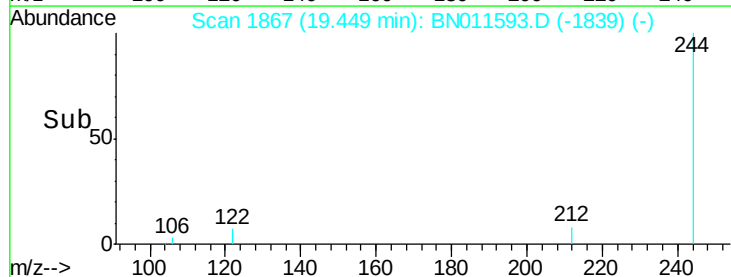
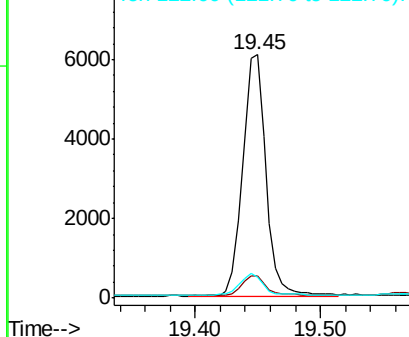


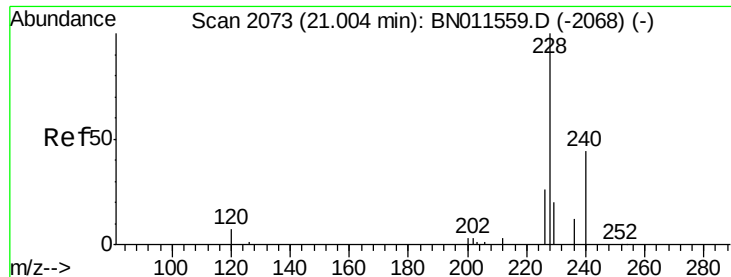
#31
Terphenyl-d14
Concen: 0.391 ng
RT: 19.45 min Scan# 1867
Delta R.T. -0.01 min
Lab File: BN011593.D
Acq: 22 Aug 2020 18:44

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.2	8.2	12.4
122	8.6	8.0	12.0



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: 1.391 ng m

RT: 20.98 min Scan# 2071

Delta R.T. -0.02 min

Lab File: BN011593.D

Acq: 22 Aug 2020 18:44

Instrument :

BNA_N

ClientSampleId :

COMP-3-(2-3)

Tot Ion:228 Resp: 34850

Ion Ratio Lower Upper

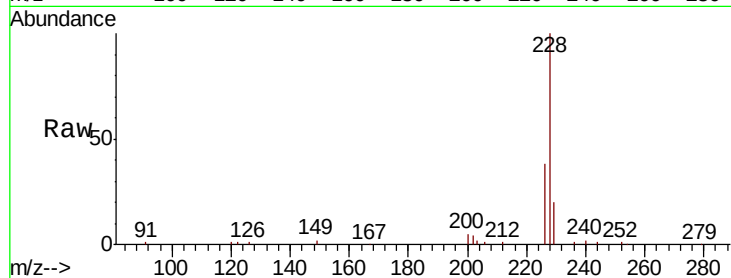
228 100

226 38.3 22.2 33.2#

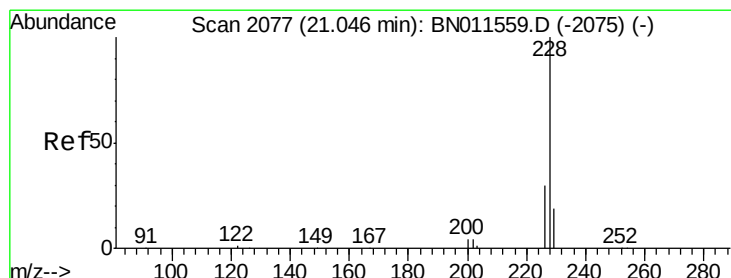
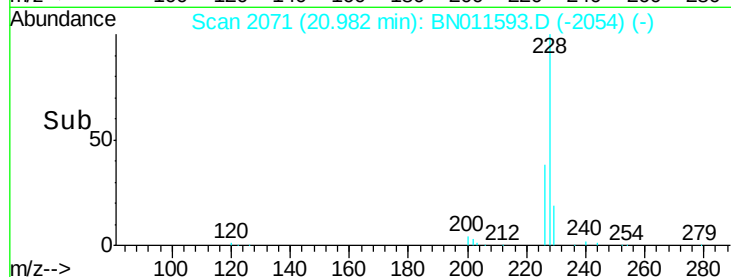
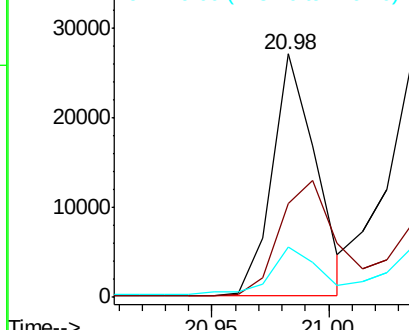
229 20.4 16.9 25.3

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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: 1.333 ng

RT: 21.04 min Scan# 2076

Delta R.T. -0.01 min

Lab File: BN011593.D

Acq: 22 Aug 2020 18:44

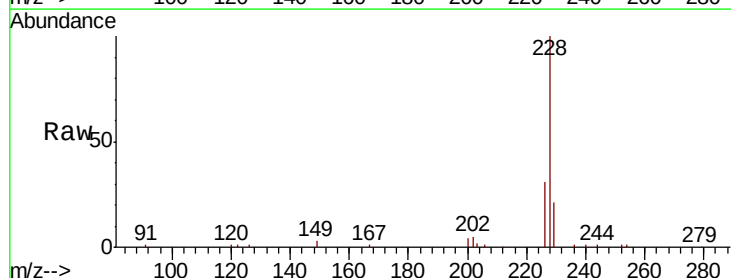
Tgt Ion:228 Resp: 38004

Ion Ratio Lower Upper

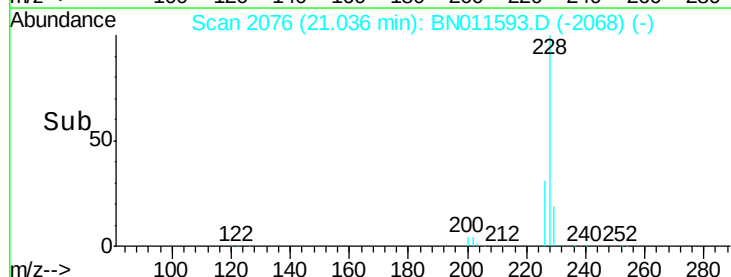
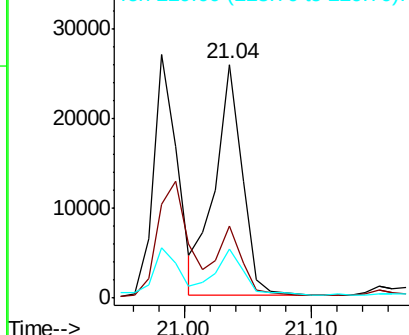
228 100

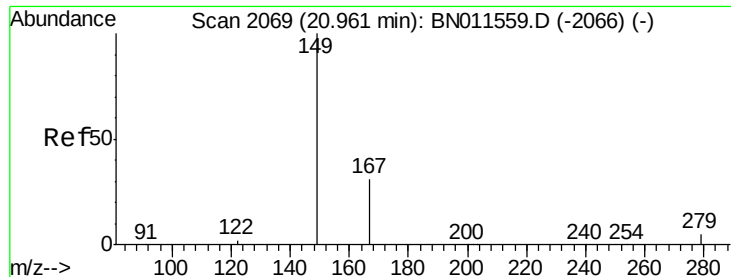
226 31.1 24.5 36.7

229 21.1 16.2 24.2



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





#34

Bis(2-ethylhexyl)phthalate

Concen: 0.074 ng

RT: 20.95 min Scan# 2068

Delta R.T. -0.01 min

Lab File: BN011593.D

Acq: 22 Aug 2020 18:44

Instrument :

BNA_N

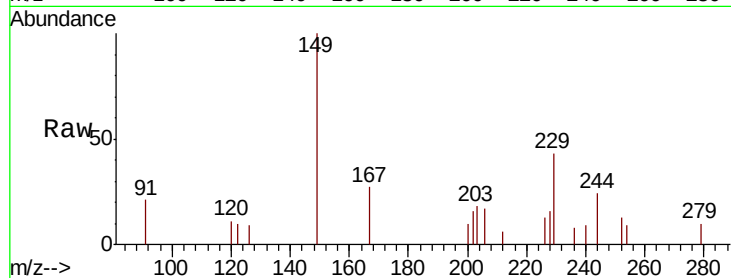
ClientSampleId :

COMP-3-(2-3)

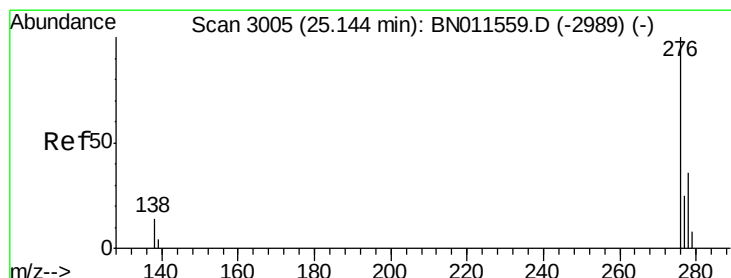
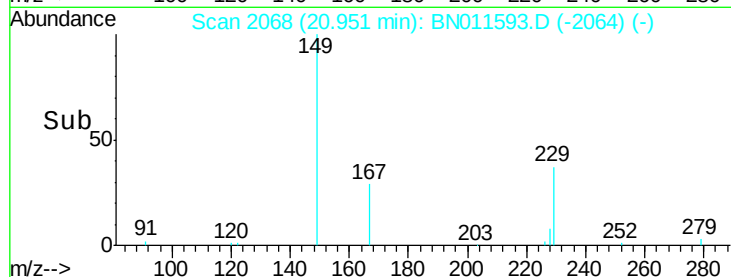
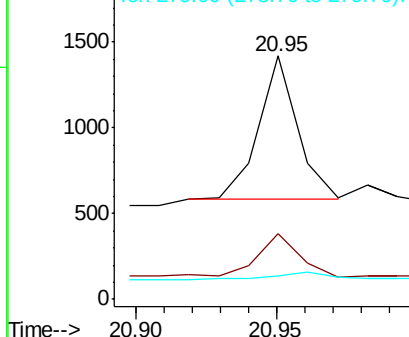
Tot Ion:	149	Resp:	817
Ion Ratio	Lower	Upper	
149	100		
167	31.0	22.8	34.2
279	6.7	4.2	6.2#

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#35

Indeno(1,2,3-cd)pyrene

Concen: 1.560 ng

RT: 25.11 min Scan# 2996

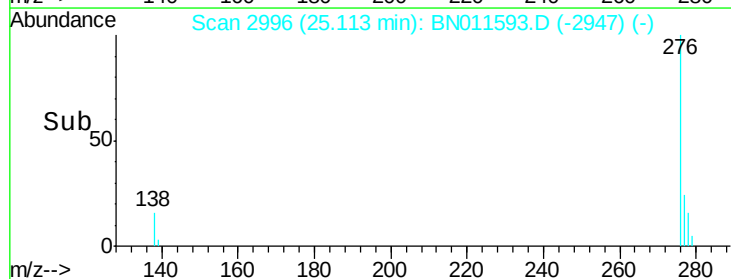
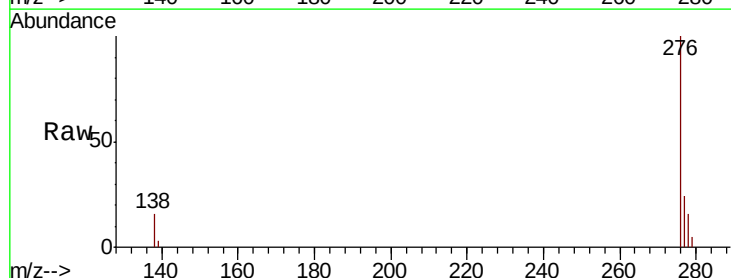
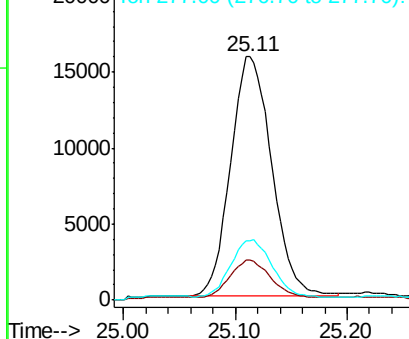
Delta R.T. -0.03 min

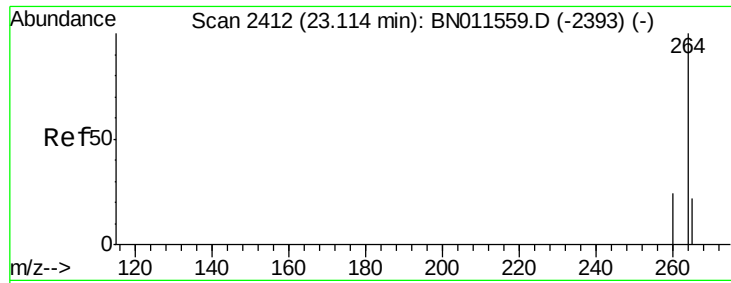
Lab File: BN011593.D

Acq: 22 Aug 2020 18:44

Tgt Ion:	276	Resp:	40382
Ion Ratio	Lower	Upper	
276	100		
138	16.0	11.6	17.4
277	24.6	18.2	27.4

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





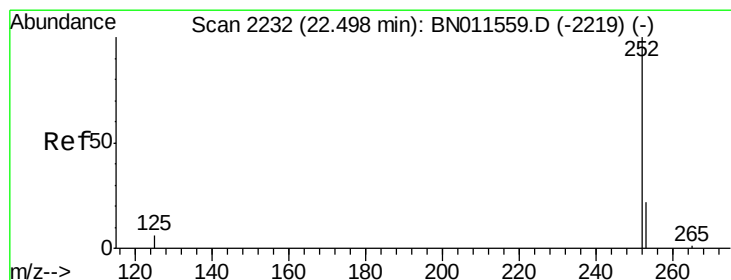
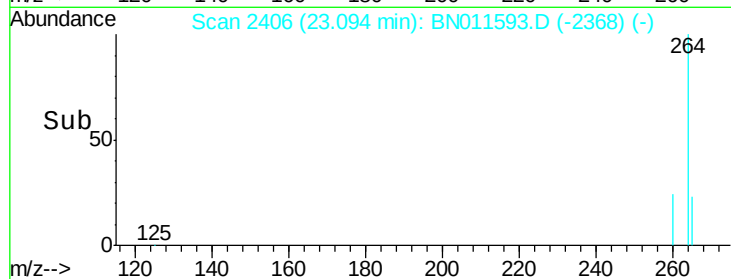
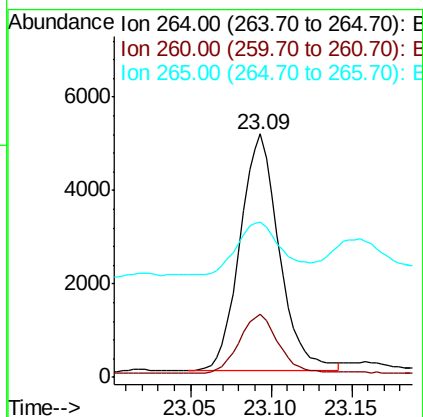
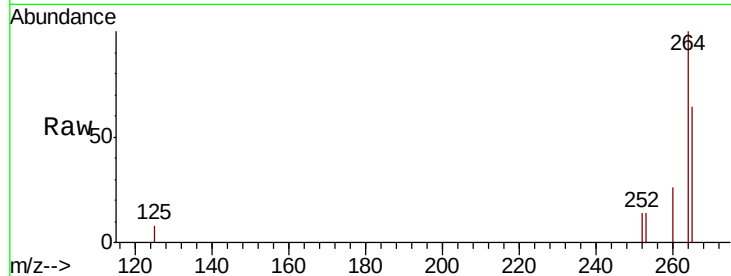
#36
Pervlene-d12
Concen: 0.400 ng
RT: 23.09 min Scan# 2406
Delta R.T. -0.02 min
Lab File: BN011593.D
Acq: 22 Aug 2020 18:44

Instrument :
BNA_N
ClientSampleId :
COMP-3-(2-3)

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.3	30.5
265	64.0	96.1	144.1#

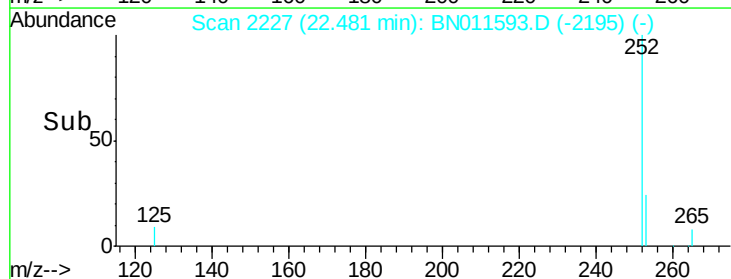
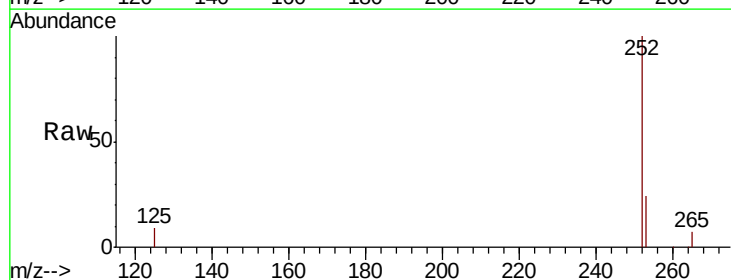
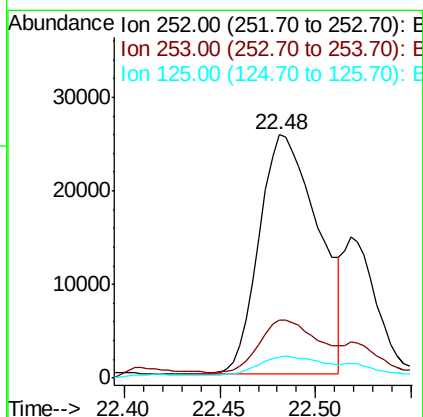
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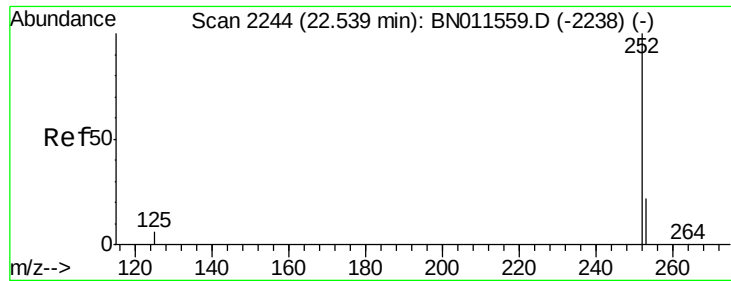
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#37
Benzo(b)fluoranthene
Concen: 1.740 ng m
RT: 22.48 min Scan# 2227
Delta R.T. -0.02 min
Lab File: BN011593.D
Acq: 22 Aug 2020 18:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	25.5	38.3#
125	8.6	10.2	15.4#





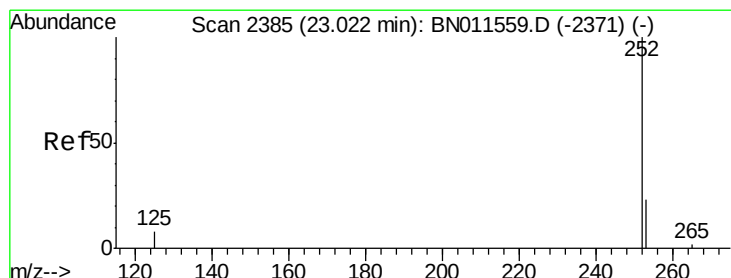
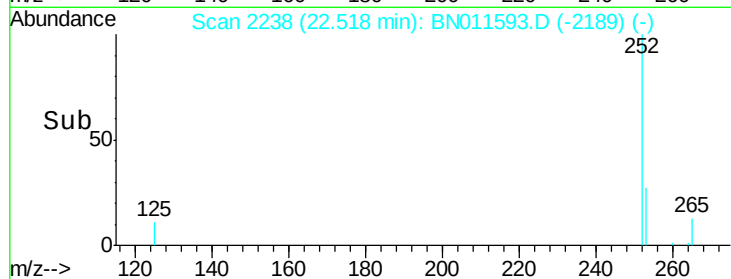
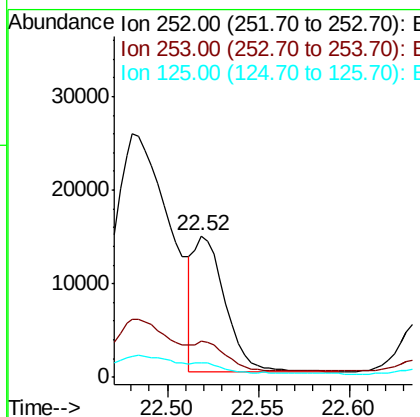
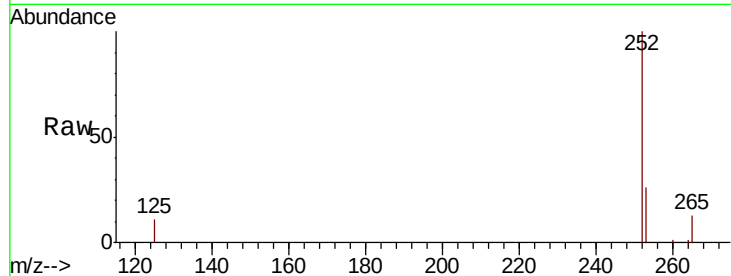
#38
Benzo(k)fluoranthene
Concen: 0.462 ng m
RT: 22.52 min Scan# 2238
Delta R.T. -0.02 min
Lab File: BN011593.D
Acq: 22 Aug 2020 18:44

Instrument :
BNA_N
ClientSampleId :
COMP-3-(2-3)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.9	25.8	38.6
125	10.7	10.8	16.2

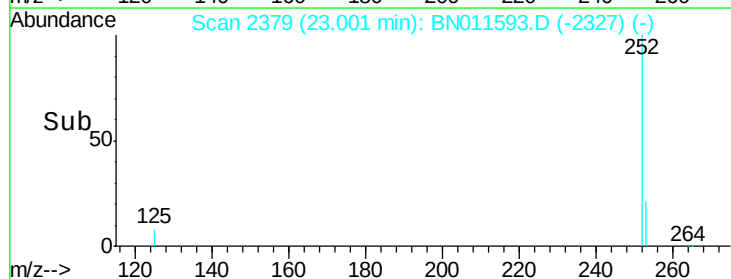
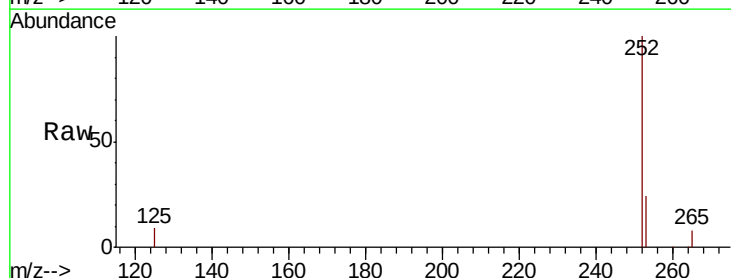
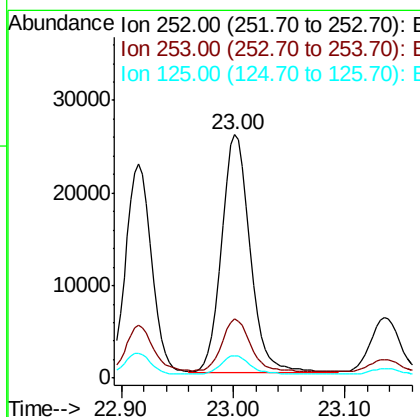
Manual Integrations
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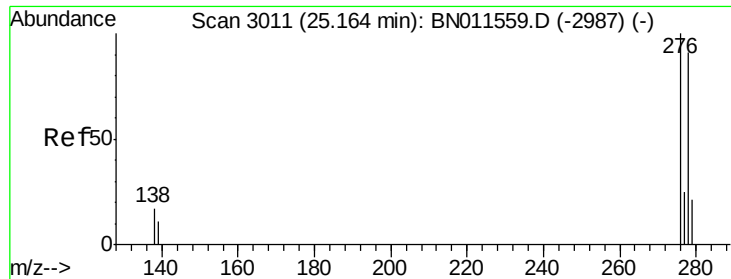
Sohil
8/24/2020 1:51:04 PM



#39
Benzo(a)pyrene
Concen: 1.561 ng
RT: 23.00 min Scan# 2379
Delta R.T. -0.02 min
Lab File: BN011593.D
Acq: 22 Aug 2020 18:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	31.8	47.8
125	9.3	15.4	23.0





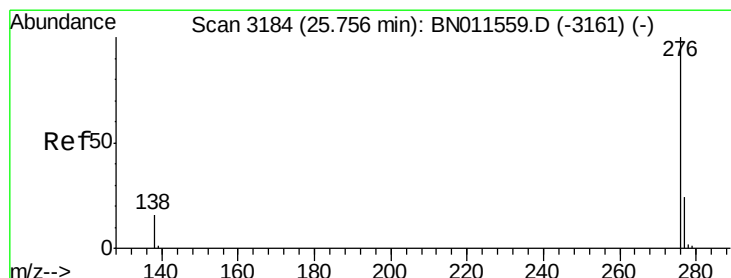
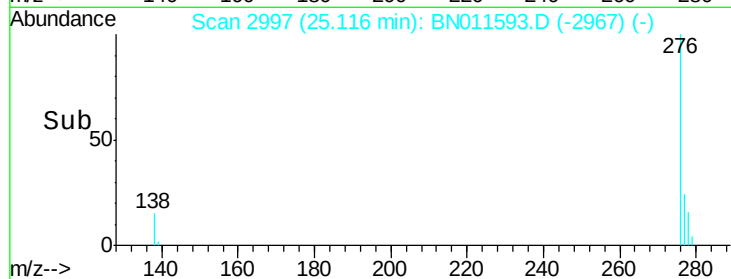
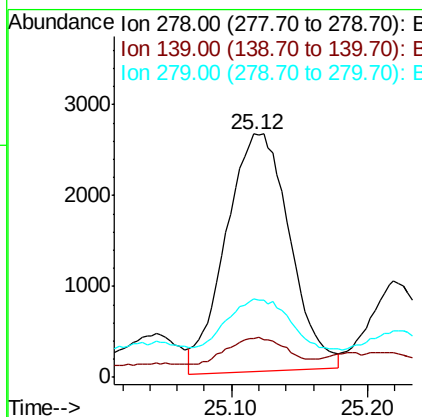
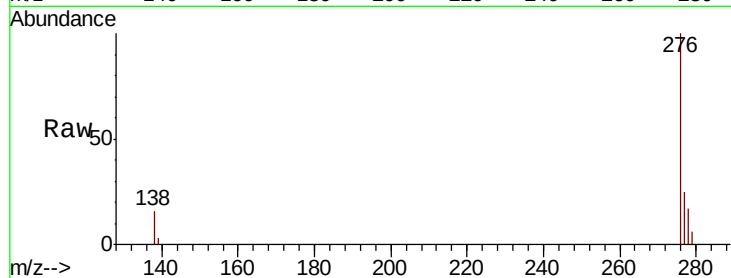
#40
Dibenzo(a,h)anthracene
Concen: 0.350 ng
RT: 25.12 min Scan# 2997
Delta R.T. -0.05 min
Lab File: BN011593.D
Acq: 22 Aug 2020 18:44

Instrument :
BNA_N
ClientSampleId :
COMP-3-(2-3)

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.7	14.0	21.0
279	32.4	32.4	48.6

Manual Integrations
APPROVED

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8/24/2020 1:51:04 PM



#41
Benzo(g,h,i)perylene
Concen: 1.776 ng
RT: 25.73 min Scan# 3175
Delta R.T. -0.03 min
Lab File: BN011593.D
Acq: 22 Aug 2020 18:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	22.1	33.1
138	16.4	15.4	23.2

