

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100519\
 Data File : BN008032.D
 Acq On : 05 Oct 2019 18:50
 Operator : JU
 Sample : K5078-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-024-SW069-092519

Manual Integrations
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Quant Time: Oct 07 06:58:08 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN091819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Oct 03 18:39:49 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	3647	0.40	ng	-0.02
7) Naphthalene-d8	10.44	136	14576	0.40	ng	-0.03
13) Acenaphthene-d10	14.30	164	9228	0.40	ng	-0.02
19) Phenanthrene-d10	17.05	188	18618	0.40	ng	-0.02
27) Chrysene-d12	21.25	240	19684	0.40	ng	-0.02
34) Perylene-d12	23.46	264	22750	0.40	ng	-0.03

System Monitoring Compounds

4) 2-Fluorophenol	5.30	112	2001	0.16	ng	-0.02
5) Phenol-d6	6.87	99	2503	0.16	ng	0.00
8) Nitrobenzene-d5	8.82	82	2370	0.19	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	4487	0.18	ng	-0.02
14) 2,4,6-Tribromophenol	15.81	330	911	0.18	ng	-0.01
15) 2-Fluorobiphenyl	12.92	172	6132	0.16	ng	-0.02
25) Fluoranthene-d10	19.09	212	10871	0.17	ng	-0.02
29) Terphenyl-d14	19.69	244	9285	0.19	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.49	128	3974	0.097	ng	# 87
12) 2-Methylnaphthalene	12.11	142	5580	0.202	ng	95
16) Acenaphthylene	14.02	152	101318	2.070	ng	99
17) Acenaphthene	14.37	154	4690	0.149	ng	95
18) Fluorene	15.36	166	19113	0.473	ng	# 12
23) Phenanthrene	17.09	178	245218	4.228	ng	100
24) Anthracene	17.19	178	60050	1.146	ng	100
26) Fluoranthene	19.12	202	360706	5.002	ng	99
28) Pyrene	19.48	202	487399	7.260	ng	97
30) Benzo(a)anthracene	21.24	228	206099m	2.843	ng	
31) Chrysene	21.29	228	252783	3.578	ng	96
32) Bis(2-ethylhexyl)phthalate	21.17	149	36927	0.991	ng	99
33) Indeno(1,2,3-cd)pyrene	25.68	276	138048	1.561	ng	# 95
35) Benzo(b)fluoranthene	22.81	252	258875	3.278	ng	# 96
36) Benzo(k)fluoranthene	22.84	252	78488m	1.005	ng	
37) Benzo(a)pyrene	23.37	252	191164	2.576	ng	98
38) Dibenzo(a,h)anthracene	25.68	278	37307	0.491	ng	# 71
39) Benzo(g,h,i)perylene	26.35	276	152968	2.036	ng	98

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

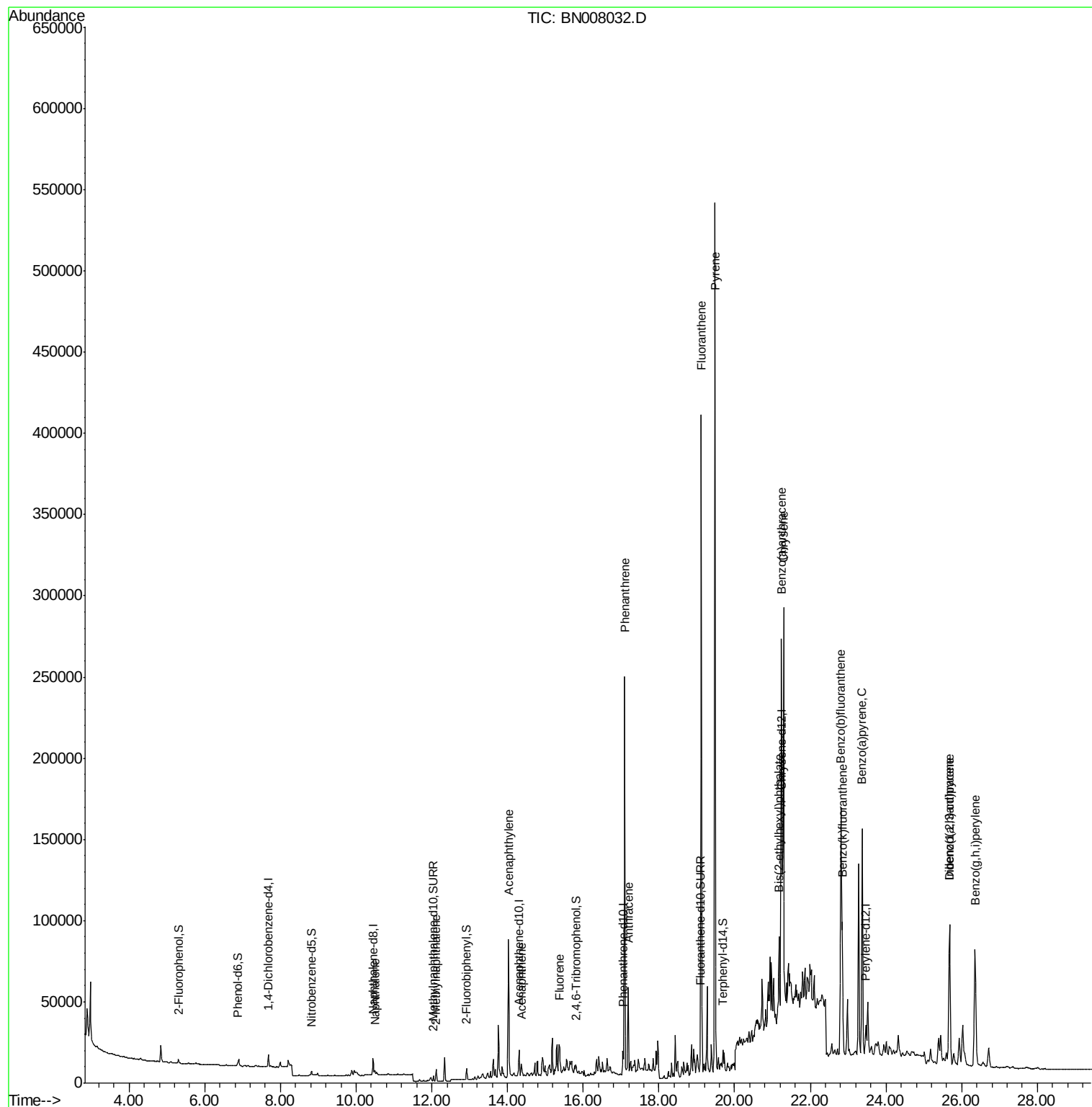
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100519\
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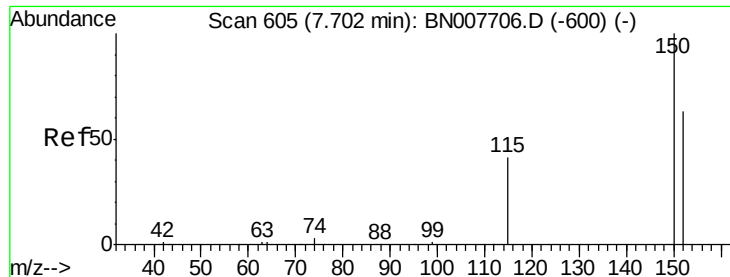
Instrument :
BNA_N
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EXT-024-SW069-092519

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Quant Time: Oct 07 06:58:08 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN091819.M
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QLast Update : Thu Oct 03 18:39:49 2019
Response via : Initial Calibration

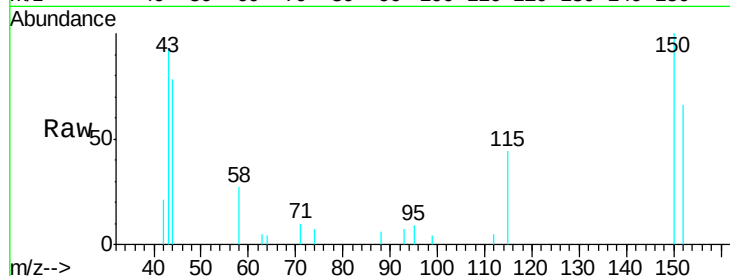




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.68 min Scan# 602
Delta R.T. -0.02 min
Lab File: BN008032.D
Acq: 05 Oct 2019 18:50

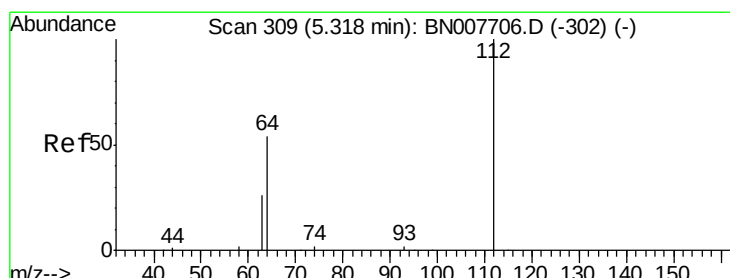
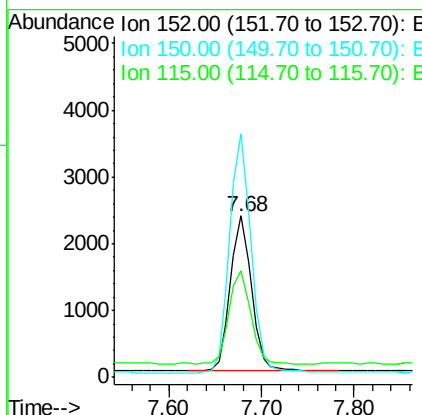
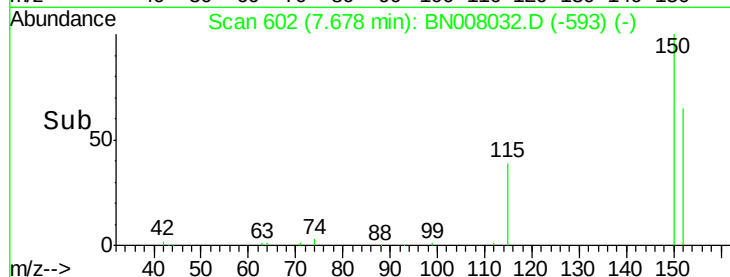
Instrument :
BNA_N
ClientSampleId :
EXT-024-SW069-092519



Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.2	125.6	188.4
115	66.2	53.3	79.9

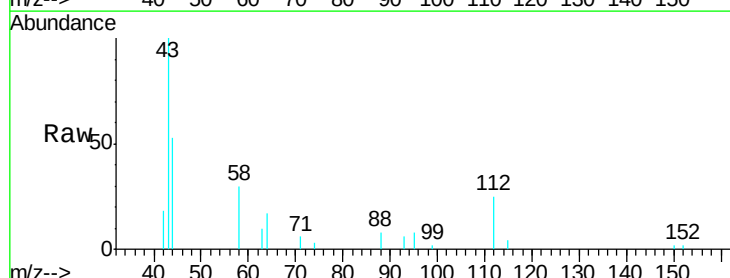
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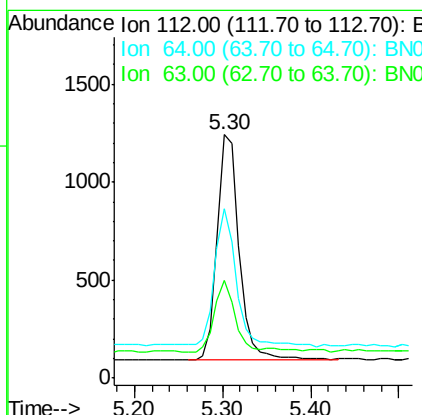
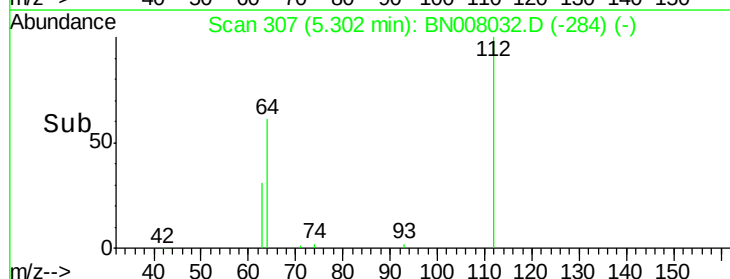


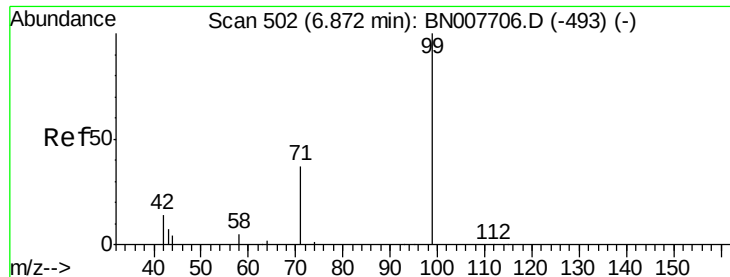
#4

2-Fluorophenol
Concen: 0.159 ng
RT: 5.30 min Scan# 307
Delta R.T. -0.02 min
Lab File: BN008032.D
Acq: 05 Oct 2019 18:50



Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.7	46.6	70.0
63	28.4	23.1	34.7





#5

Phenol-d6

Concen: 0.156 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN008032.D

Acq: 05 Oct 2019 18:50

Instrument :

BNA_N

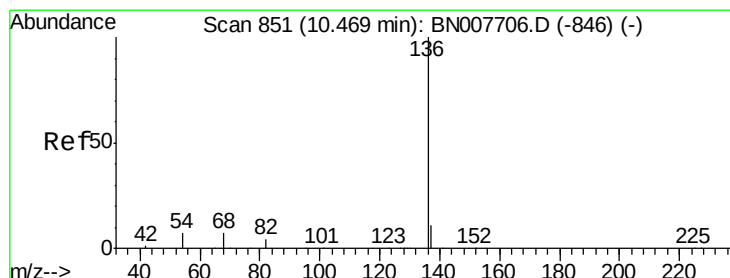
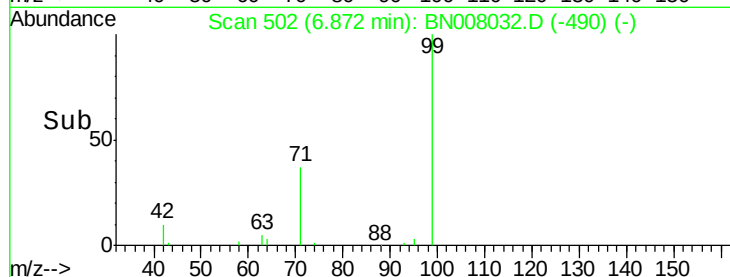
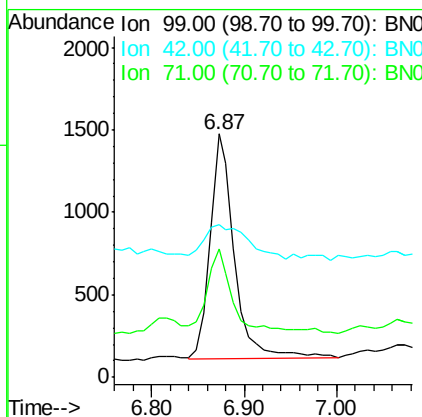
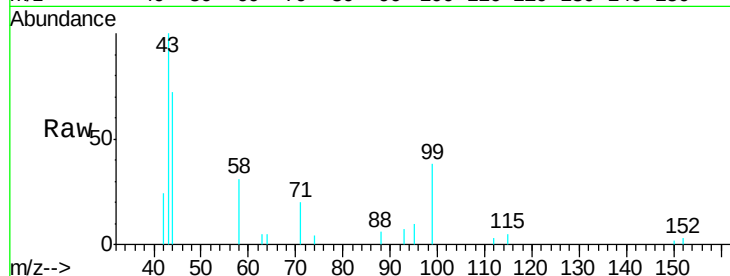
ClientSampleId :

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Tgt Ion:	99	Resp:	2503
Ion Ratio	Lower	Upper	
99	100		
42	26.7	12.8	19.2#
71	40.7	27.6	41.4

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#7

Naphthalene-d8

Concen: 0.400 ng

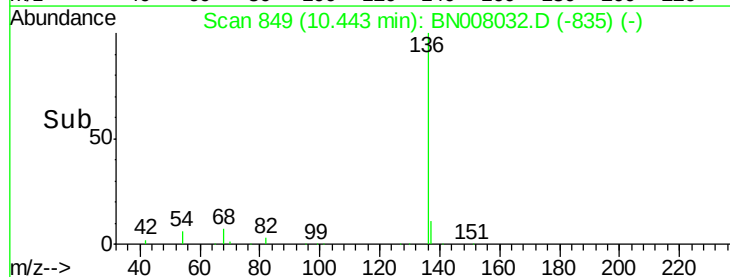
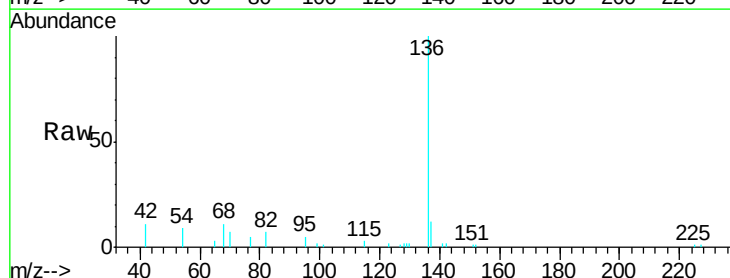
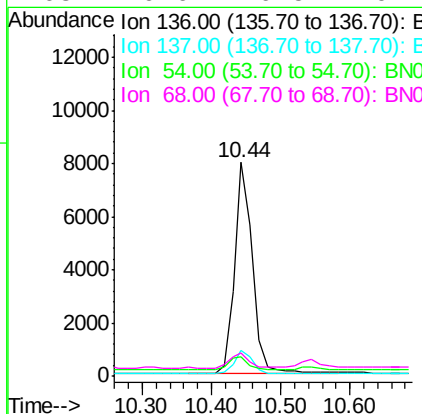
RT: 10.44 min Scan# 849

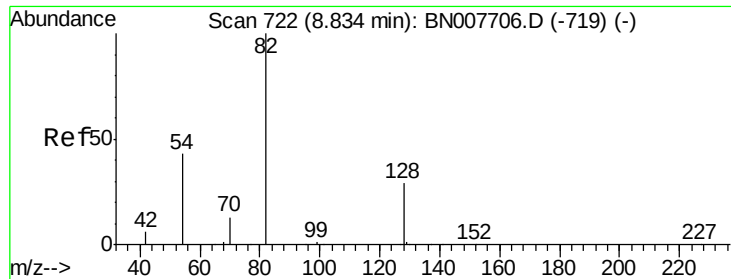
Delta R.T. -0.03 min

Lab File: BN008032.D

Acq: 05 Oct 2019 18:50

Tgt Ion:	136	Resp:	14576
Ion Ratio	Lower	Upper	
136	100		
137	11.9	9.2	13.8
54	9.1	5.8	8.8#
68	10.6	6.5	9.7#





#8

Nitrobenzene-d5

Concen: 0.186 ng

RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

Lab File: BN008032.D

Acq: 05 Oct 2019 18:50

Instrument :

BNA_N

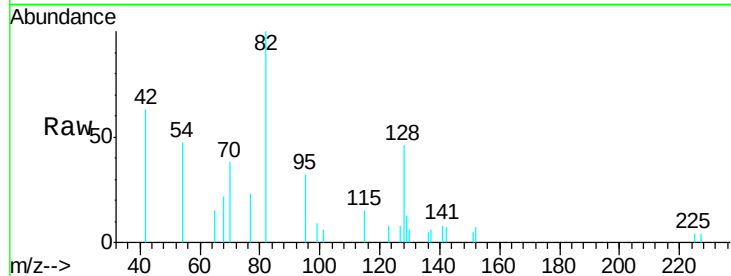
ClientSampleId :

EXT-024-SW069-092519

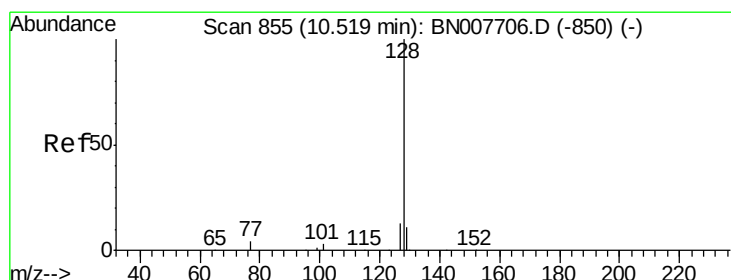
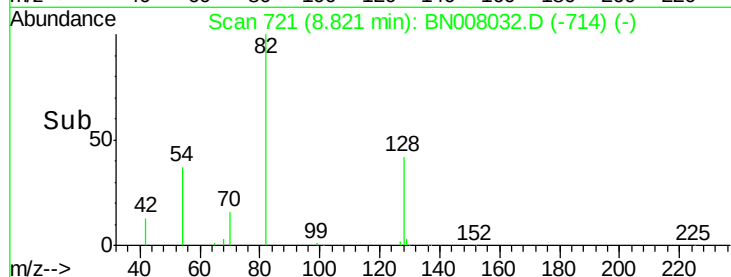
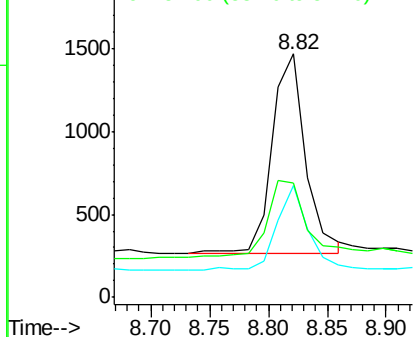
Tgt Ion:	82	Resp:	2370
Ion Ratio	Lower	Upper	
82	100		
128	45.9	24.5	36.7#
54	46.8	35.2	52.8

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Abundance Ion 82.00 (81.70 to 82.70): BNC
Ion 128.00 (127.70 to 128.70): BNC
Ion 54.00 (53.70 to 54.70): BNC



#9

Naphthalene

Concen: 0.097 ng

RT: 10.49 min Scan# 853

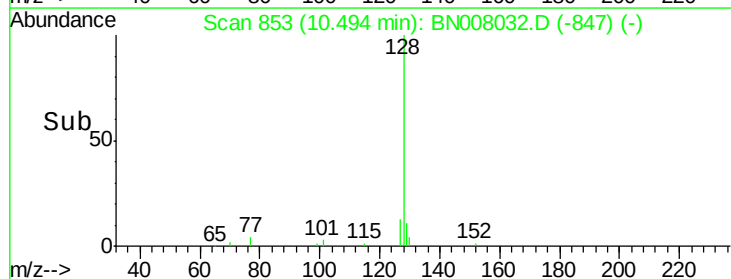
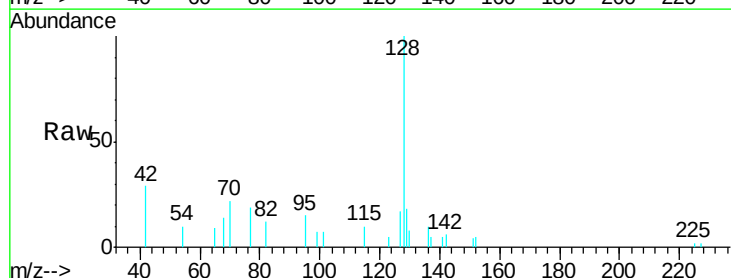
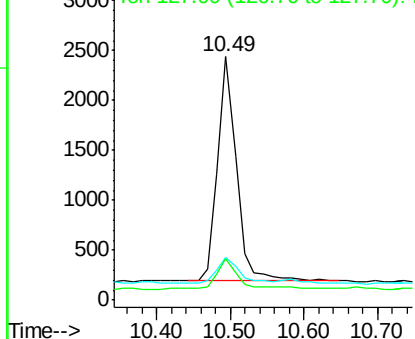
Delta R.T. -0.03 min

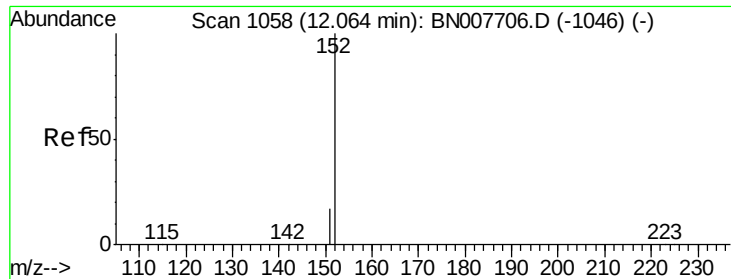
Lab File: BN008032.D

Acq: 05 Oct 2019 18:50

Tgt Ion:	128	Resp:	3974
Ion Ratio	Lower	Upper	
128	100		
129	17.7	9.1	13.7#
127	16.9	10.6	15.8#

Abundance Ion 128.00 (127.70 to 128.70): BNC
Ion 129.00 (128.70 to 129.70): BNC
Ion 127.00 (126.70 to 127.70): BNC





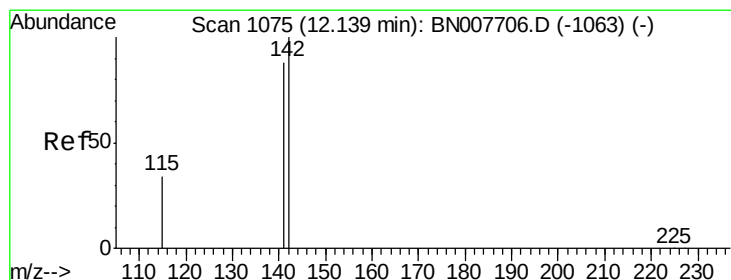
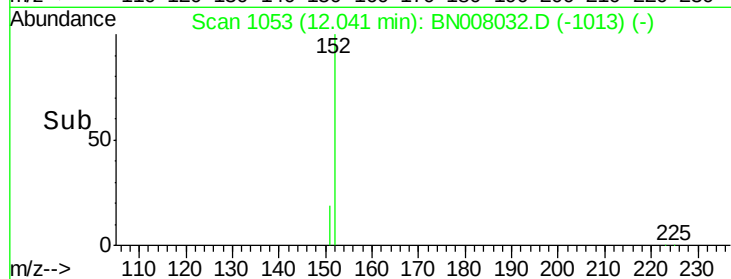
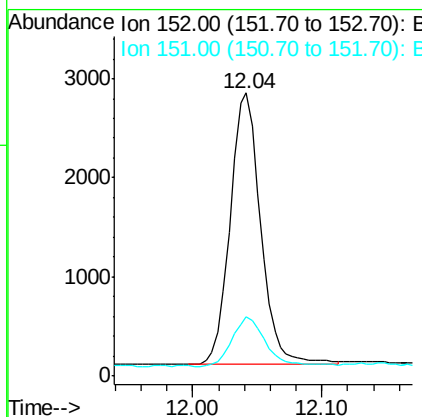
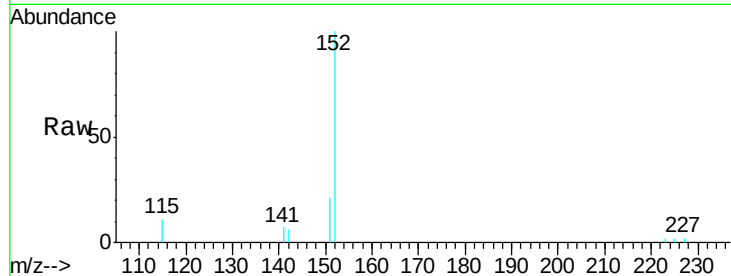
#11
 2-Methylnaphthalene-d10
 Concen: 0.183 ng
 RT: 12.04 min Scan# 1053
 Delta R.T. -0.02 min
 Lab File: BN008032.D
 Acq: 05 Oct 2019 18:50

Instrument :
 BNA_N
 ClientSampleId :
 EXT-024-SW069-092519

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.4	23.2

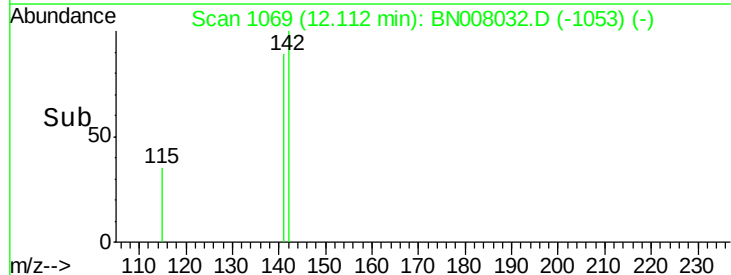
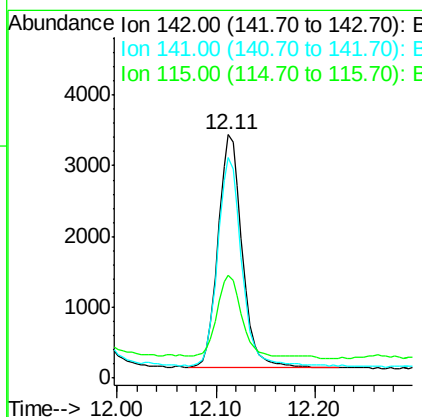
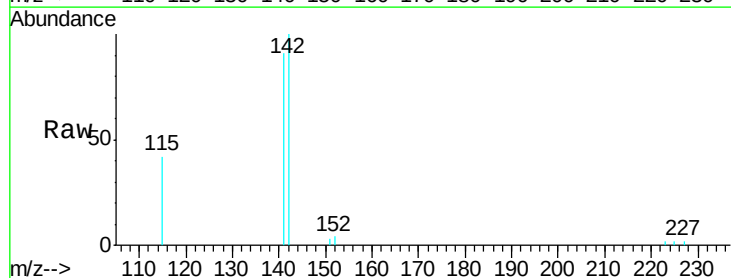
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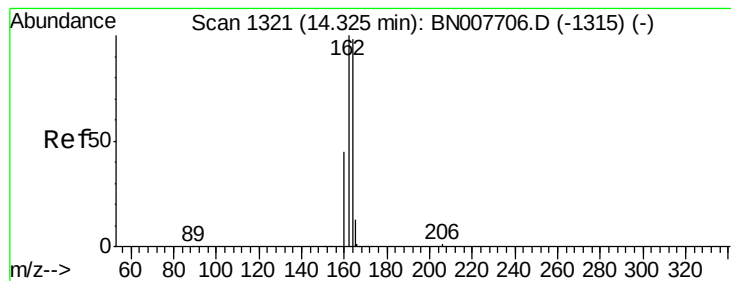
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#12
 2-Methylnaphthalene
 Concen: 0.202 ng
 RT: 12.11 min Scan# 1069
 Delta R.T. -0.03 min
 Lab File: BN008032.D
 Acq: 05 Oct 2019 18:50

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.8	70.6	106.0
115	42.4	28.3	42.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.30 min Scan# 1319

Delta R.T. -0.02 min

Lab File: BN008032.D

Acq: 05 Oct 2019 18:50

Instrument :

BNA_N

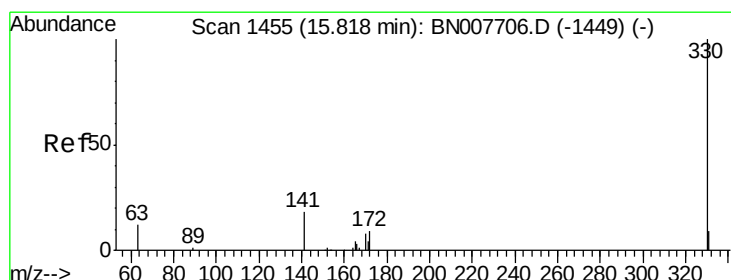
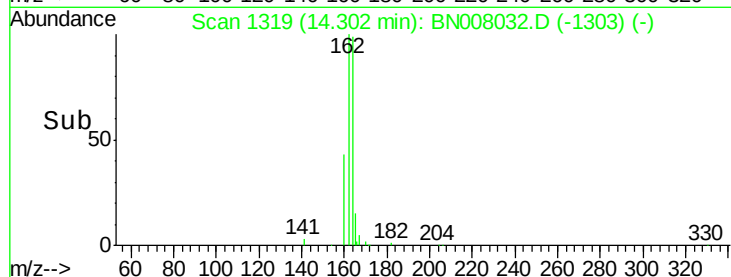
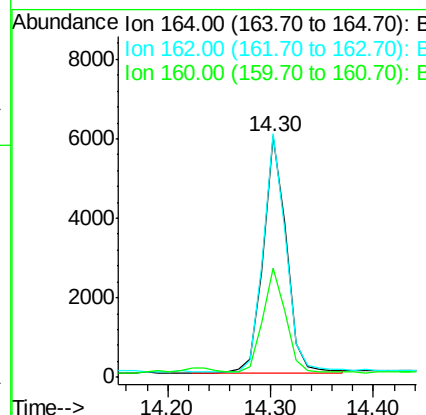
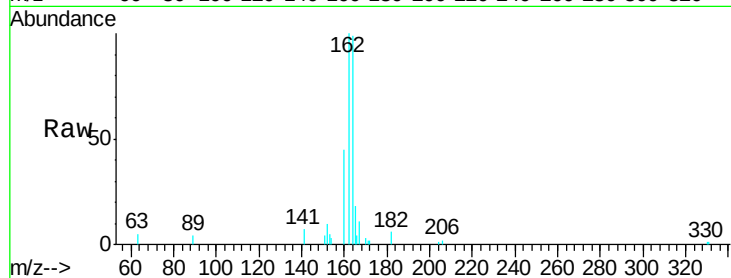
ClientSampleId :

EXT-024-SW069-092519

Tgt Ion:	164	Resp:	9228
Ion Ratio	Lower	Upper	
164	100		
162	101.2	81.7	122.5
160	45.4	37.0	55.4

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#14

2,4,6-Tribromophenol

Concen: 0.181 ng

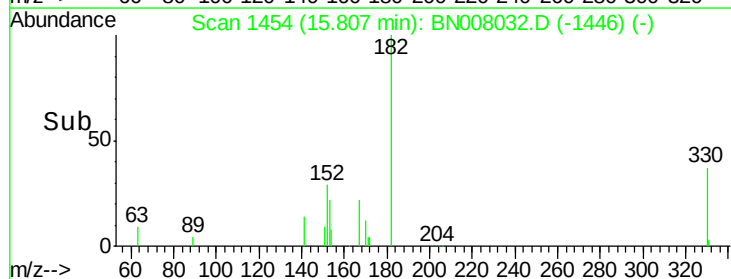
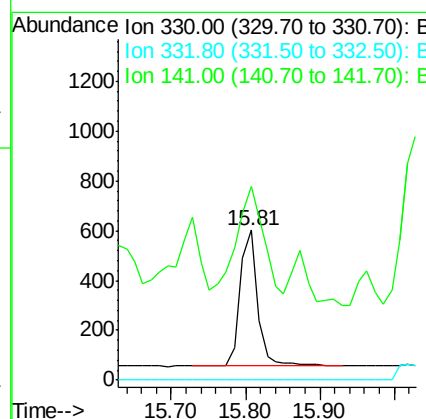
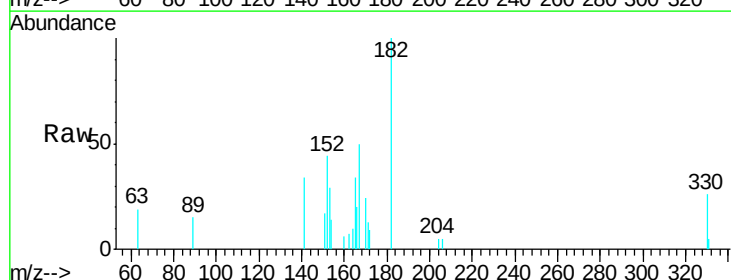
RT: 15.81 min Scan# 1454

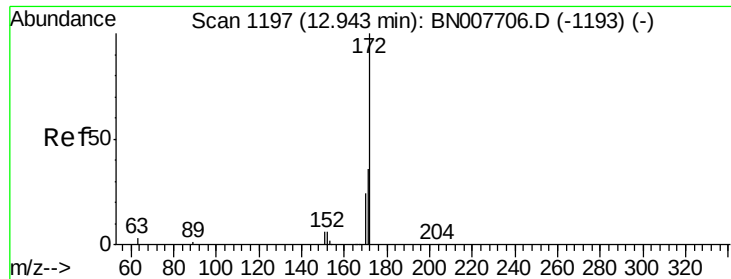
Delta R.T. -0.01 min

Lab File: BN008032.D

Acq: 05 Oct 2019 18:50

Tgt Ion:	330	Resp:	911
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	121.5	28.7	43.1#





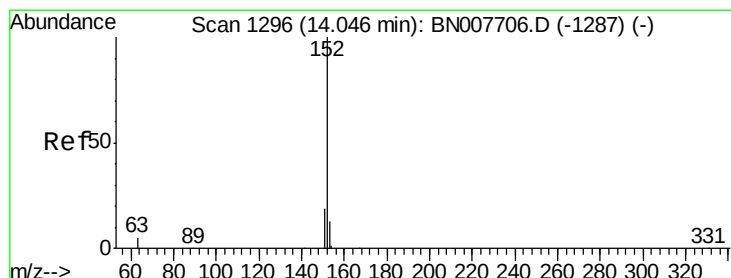
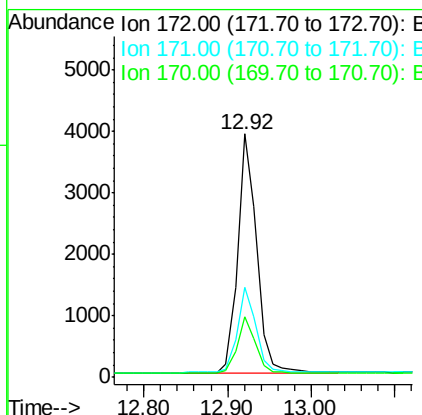
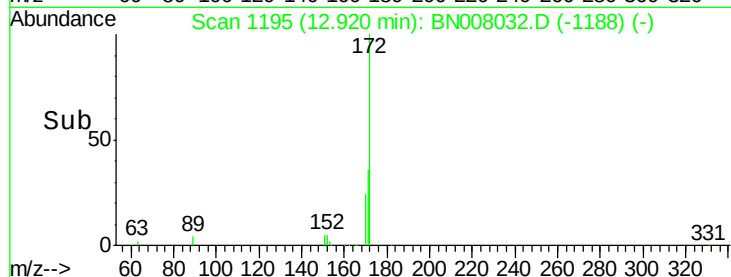
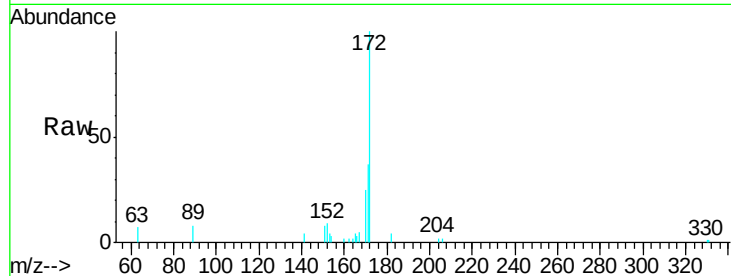
#15
2-Fluorobiphenyl
Concen: 0.161 ng
RT: 12.92 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BN008032.D
Acq: 05 Oct 2019 18:50

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW069-092519

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	28.8	43.2
170	24.8	19.5	29.3

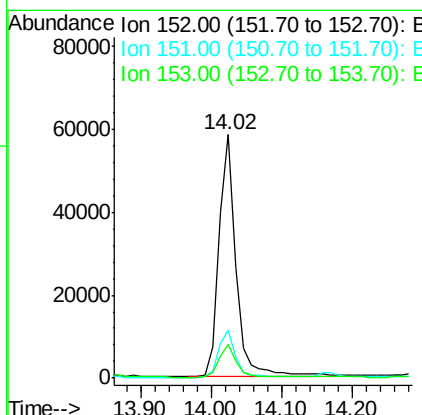
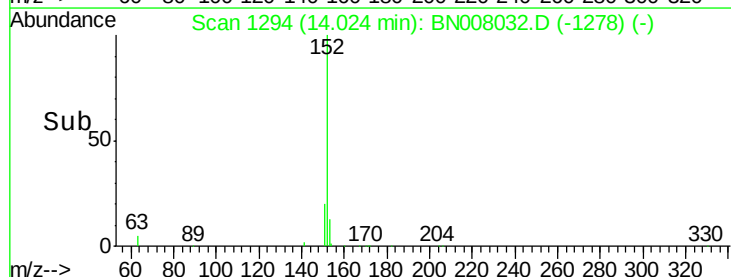
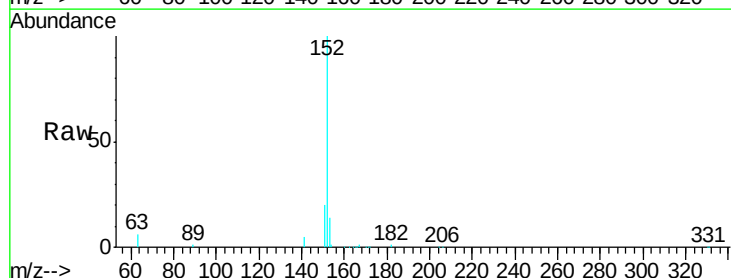
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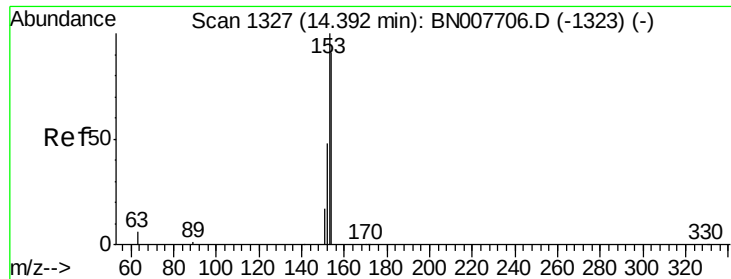
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#16
Acenaphthylene
Concen: 2.070 ng
RT: 14.02 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BN008032.D
Acq: 05 Oct 2019 18:50

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.5	23.3
153	13.4	10.4	15.6





#17

Acenaphthene

Concen: 0.149 ng

RT: 14.37 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BN008032.D

Acq: 05 Oct 2019 18:50

Instrument :

BNA_N

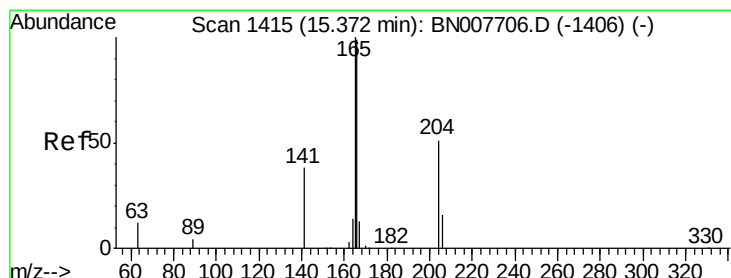
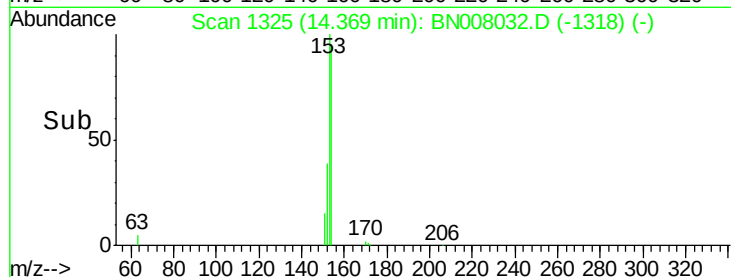
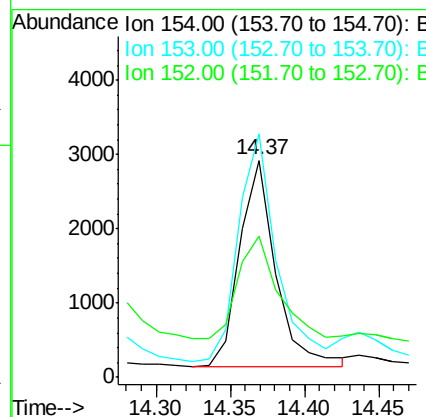
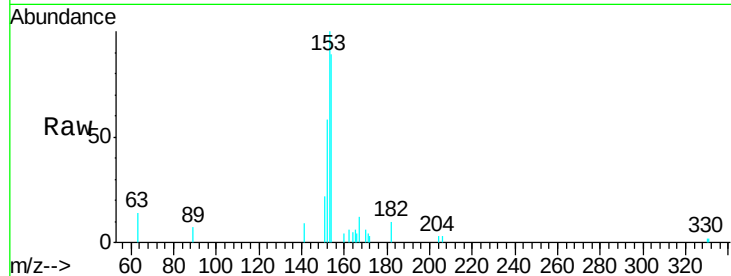
ClientSampleId :

EXT-024-SW069-092519

Tgt Ion:	154	Resp:	4690
Ion Ratio	Lower	Upper	
154	100		
153	114.6	87.0	130.4
152	55.1	42.7	64.1

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#18

Fluorene

Concen: 0.473 ng

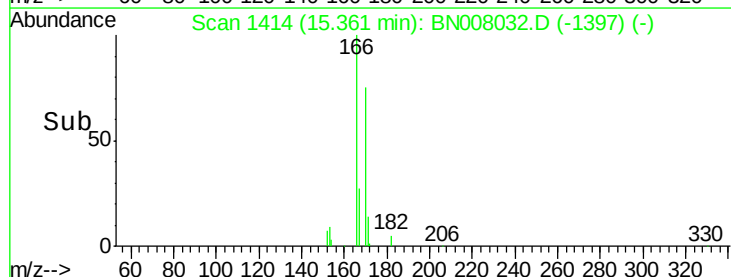
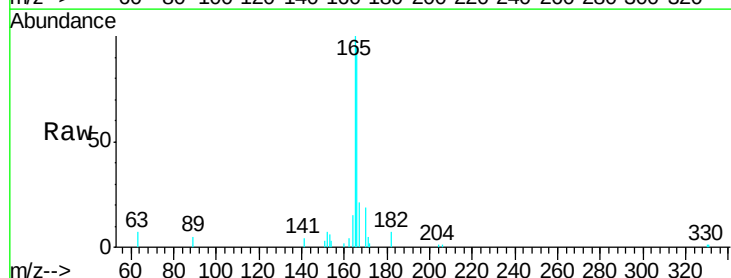
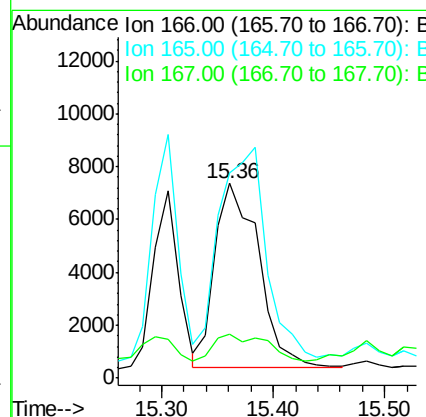
RT: 15.36 min Scan# 1414

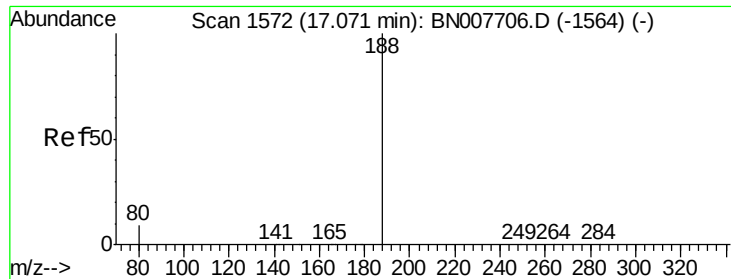
Delta R.T. -0.01 min

Lab File: BN008032.D

Acq: 05 Oct 2019 18:50

Tgt Ion:	166	Resp:	19113
Ion Ratio	Lower	Upper	
166	100		
165	0.0	78.0	117.0#
167	17.2	10.9	16.3#





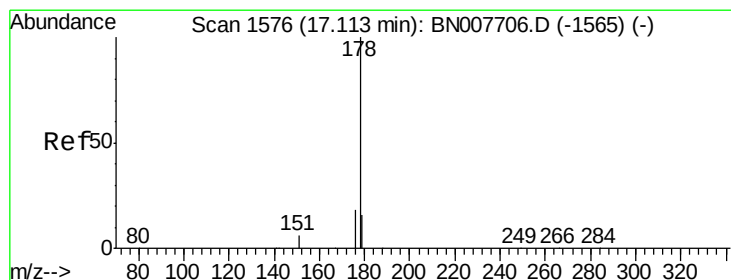
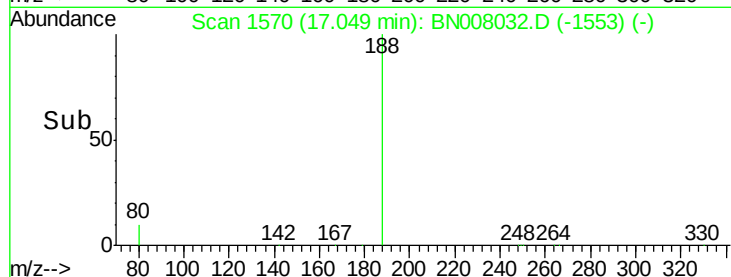
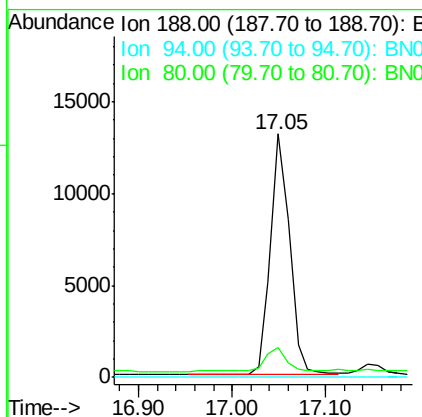
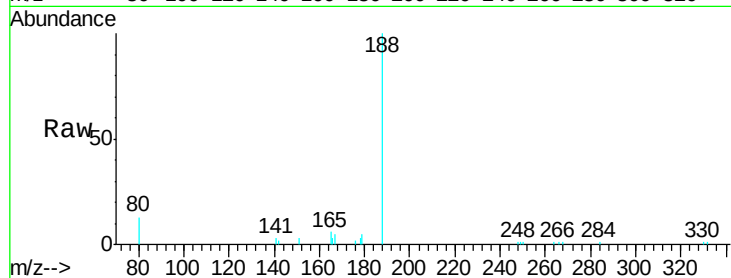
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BN008032.D
Acq: 05 Oct 2019 18:50

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW069-092519

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	0.0	0.0	0.0
80	12.5	7.4	11.2

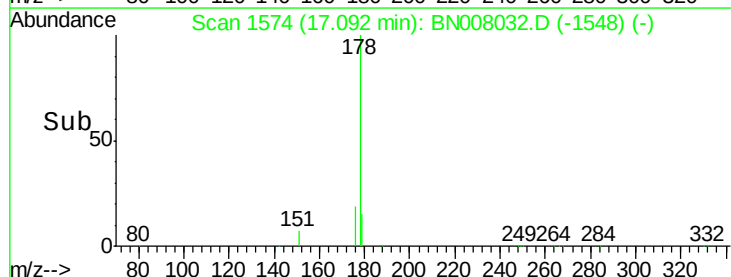
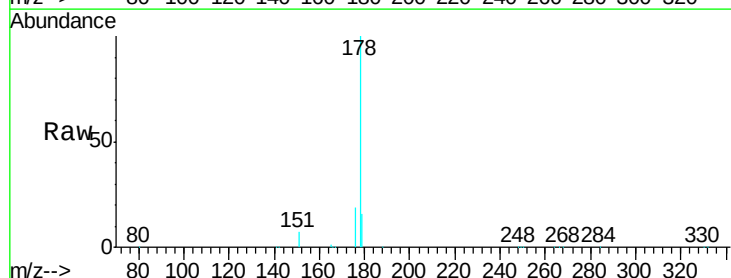
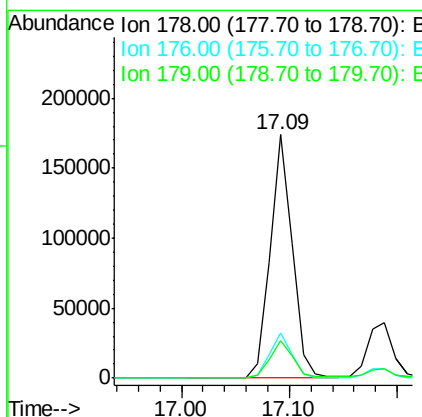
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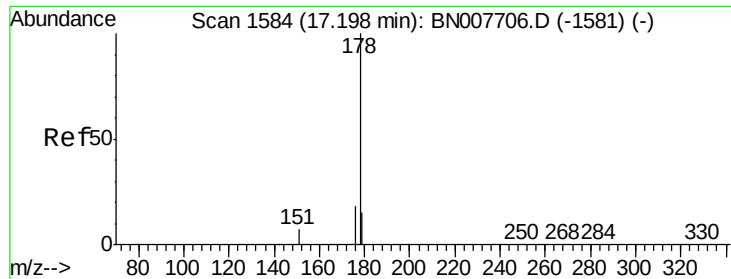
mohammad
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#23
Phenanthrene
Concen: 4.228 ng
RT: 17.09 min Scan# 1574
Delta R.T. -0.02 min
Lab File: BN008032.D
Acq: 05 Oct 2019 18:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.5	14.9	22.3
179	15.8	12.5	18.7





#24

Anthracene

Concen: 1.146 ng

RT: 17.19 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BN008032.D

Acq: 05 Oct 2019 18:50

Instrument :

BNA_N

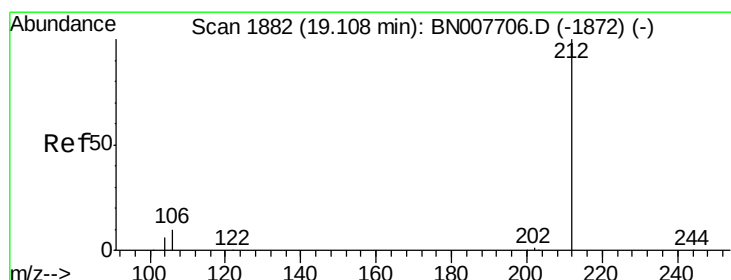
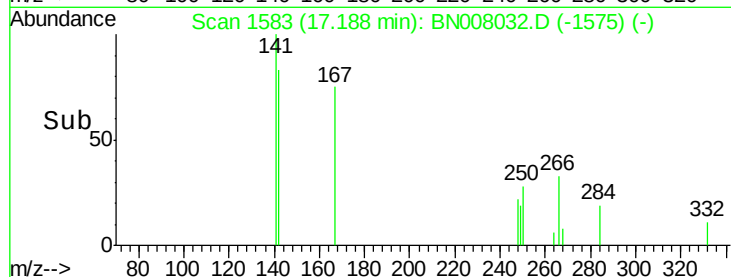
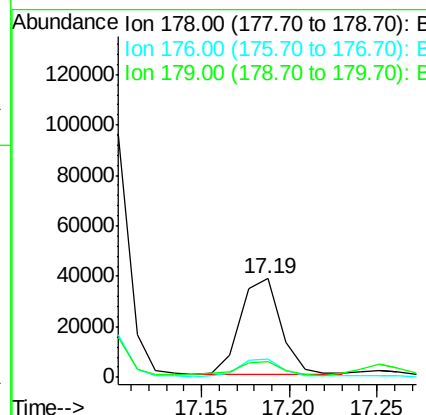
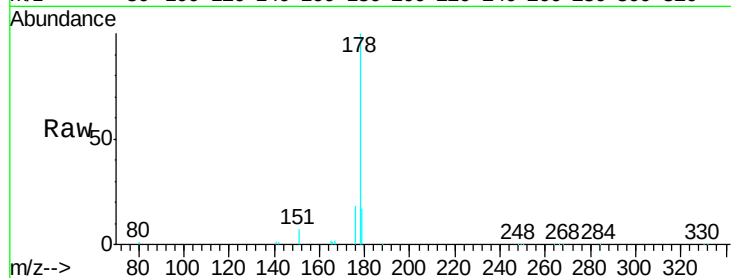
ClientSampleId :

EXT-024-SW069-092519

Tgt Ion:	178	Resp:	60050
Ion Ratio	Lower	Upper	
178	100		
176	17.9	14.6	21.8
179	15.4	12.2	18.4

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#25

Fluoranthene-d10

Concen: 0.173 ng

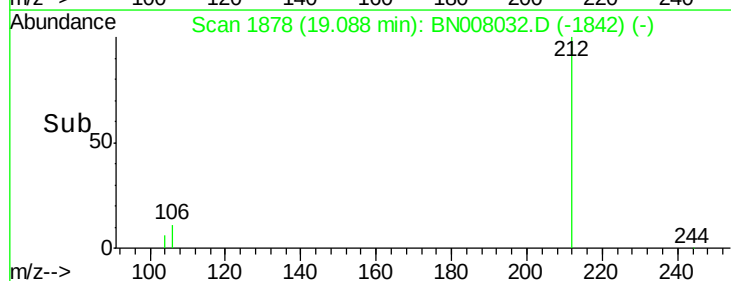
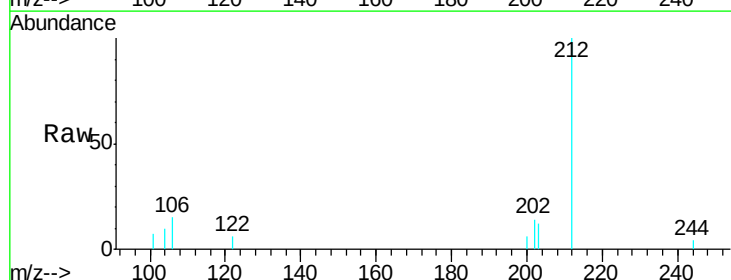
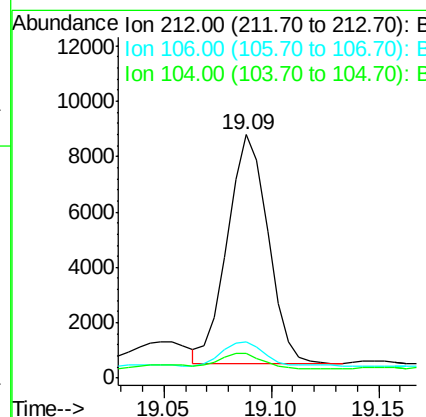
RT: 19.09 min Scan# 1878

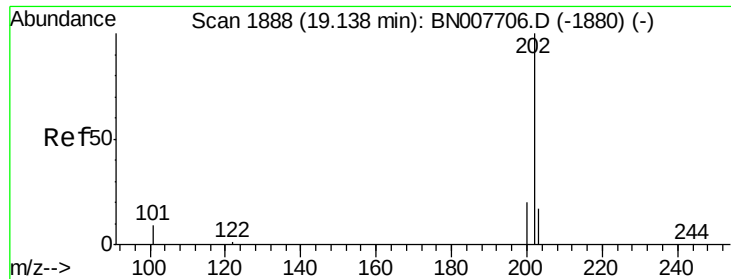
Delta R.T. -0.02 min

Lab File: BN008032.D

Acq: 05 Oct 2019 18:50

Tgt Ion:	212	Resp:	10871
Ion Ratio	Lower	Upper	
212	100		
106	10.5	9.4	14.0
104	7.6	5.3	7.9





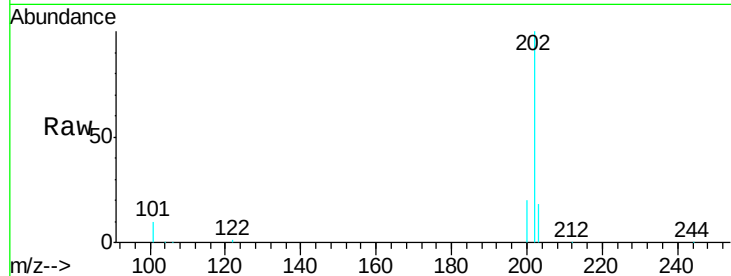
#26
Fluoranthene
 Concen: 5.002 ng
 RT: 19.12 min Scan# 1884
 Delta R.T. -0.02 min
 Lab File: BN008032.D
 Acq: 05 Oct 2019 18:50

Instrument :
 BNA_N
 ClientSampleId :
 EXT-024-SW069-092519

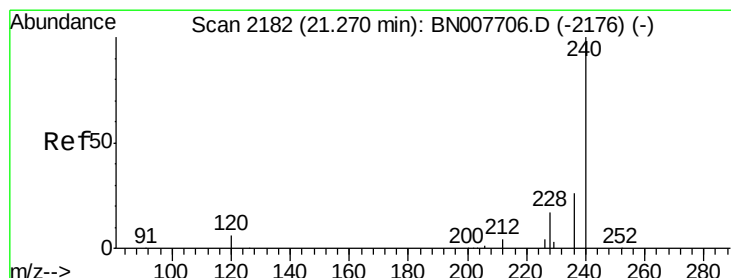
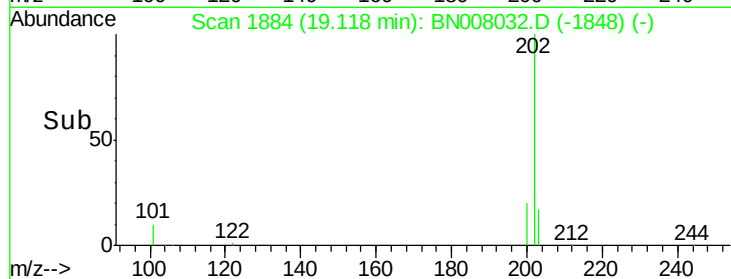
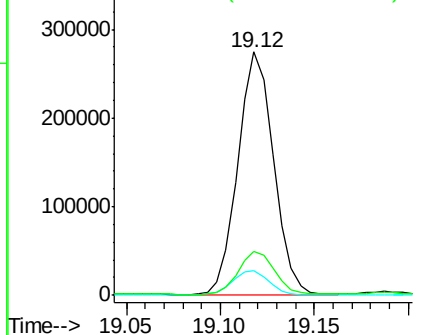
Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.2	8.4	12.6
203	18.1	13.8	20.8

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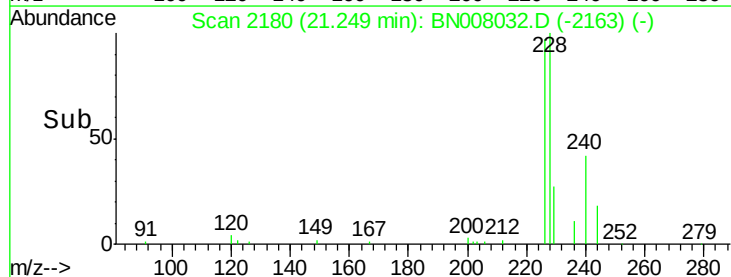
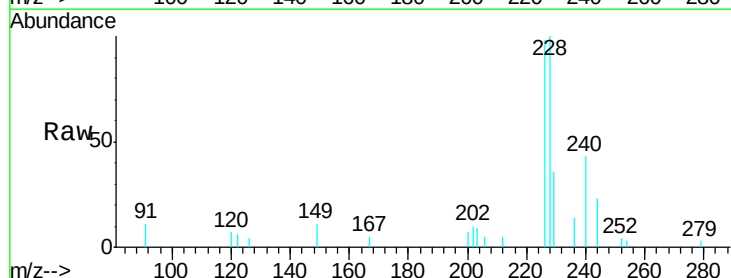
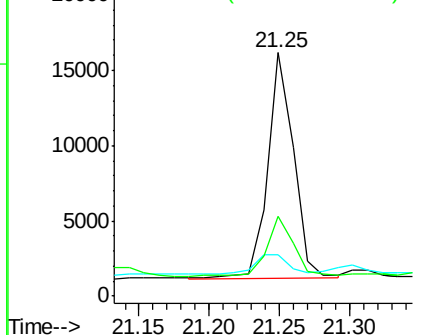
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

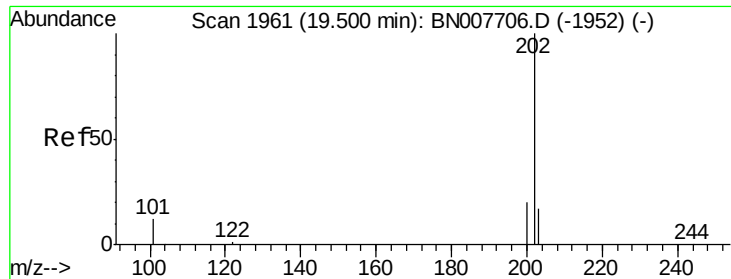


#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.25 min Scan# 2180
 Delta R.T. -0.02 min
 Lab File: BN008032.D
 Acq: 05 Oct 2019 18:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	16.8	5.4	8.2#
236	33.0	21.0	31.4#

Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





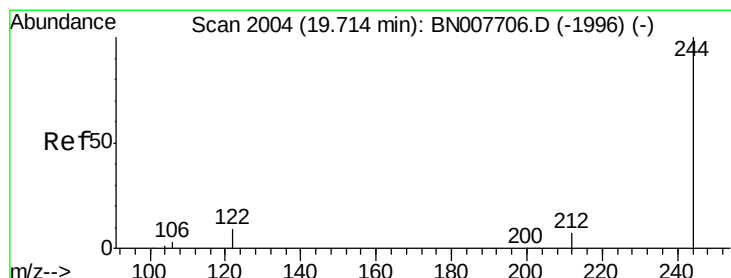
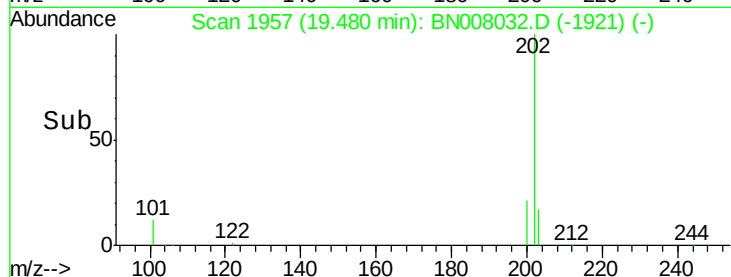
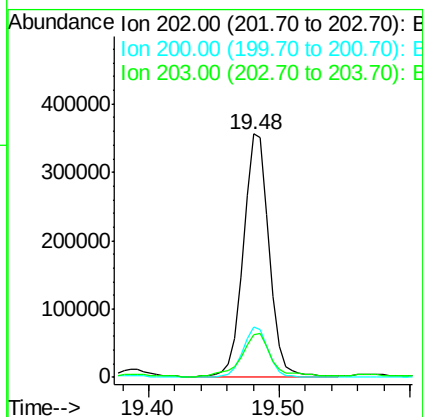
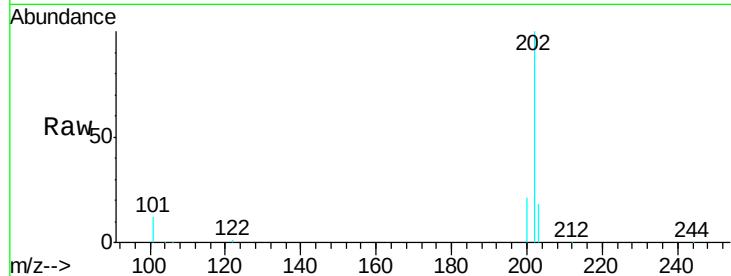
#28
 Pyrene
 Concen: 7.260 ng
 RT: 19.48 min Scan# 1957
 Delta R.T. -0.02 min
 Lab File: BN008032.D
 Acq: 05 Oct 2019 18:50

Instrument :
 BNA_N
 ClientSampleId :
 EXT-024-SW069-092519

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.3	16.4	24.6
203	20.3	14.1	21.1

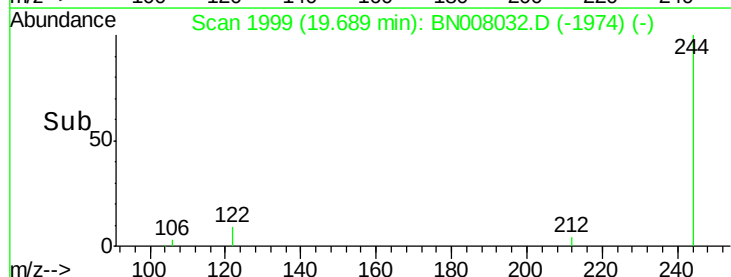
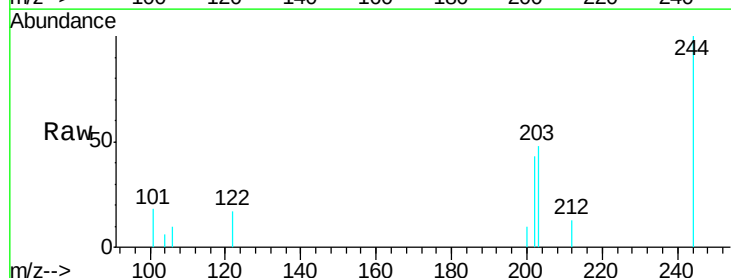
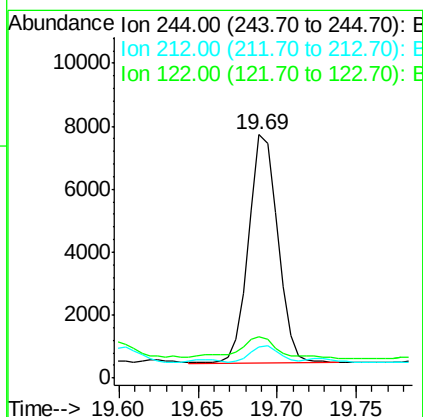
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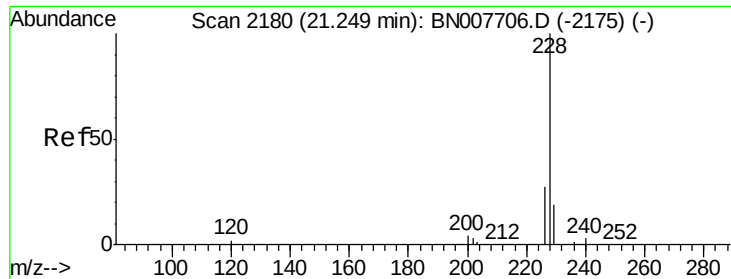
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#29
 Terphenyl-d14
 Concen: 0.192 ng
 RT: 19.69 min Scan# 1999
 Delta R.T. -0.02 min
 Lab File: BN008032.D
 Acq: 05 Oct 2019 18:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	12.8	5.9	8.9#
122	17.3	7.4	11.2#





#30

Benzo(a)anthracene

Concen: 2.843 ng m

RT: 21.24 min Scan# 2179

Delta R.T. -0.01 min

Lab File: BN008032.D

Acq: 05 Oct 2019 18:50

Instrument :

BNA_N

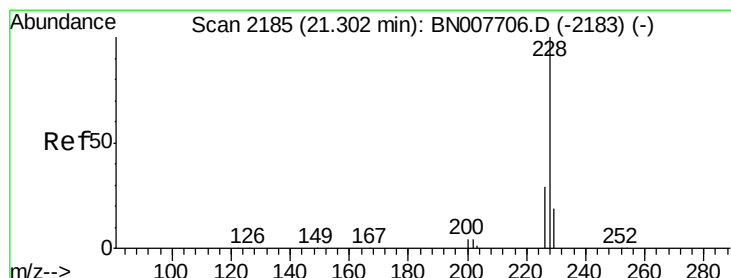
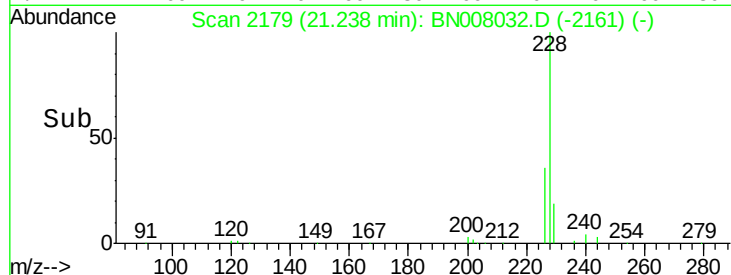
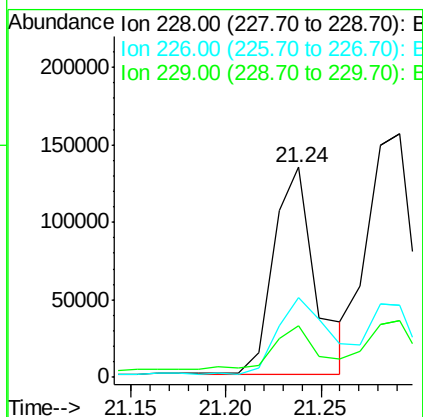
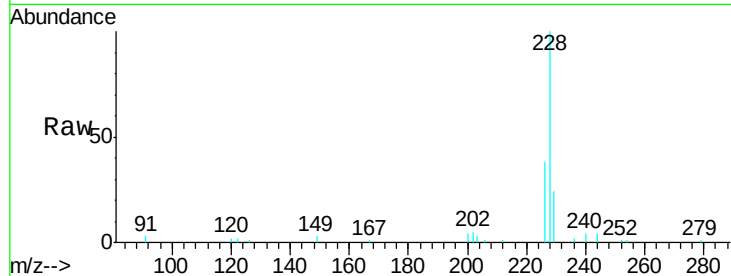
ClientSampleId :

EXT-024-SW069-092519

Tgt Ion:	228	Resp:	206099
Ion Ratio	Lower	Upper	
228	100		
226	38.0	22.1	33.1#
229	24.3	15.8	23.6#

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#31

Chrysene

Concen: 3.578 ng

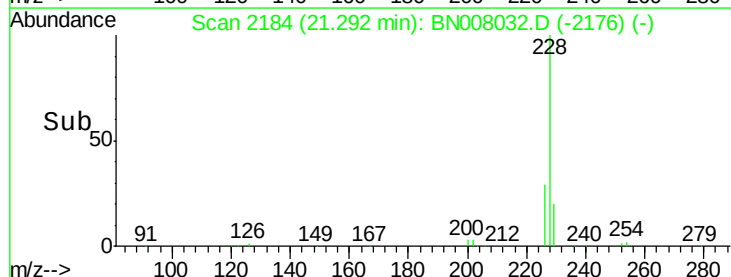
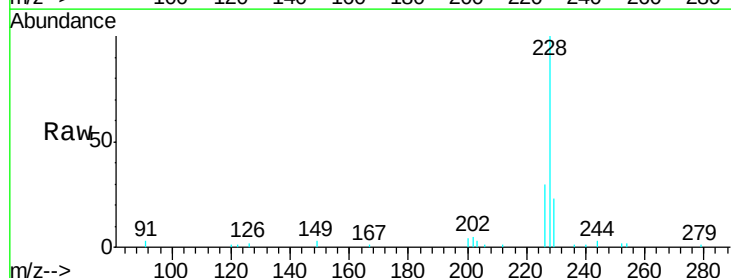
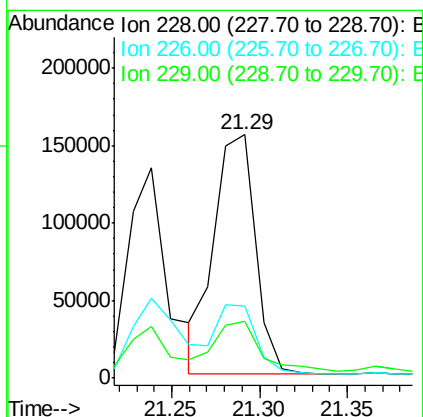
RT: 21.29 min Scan# 2184

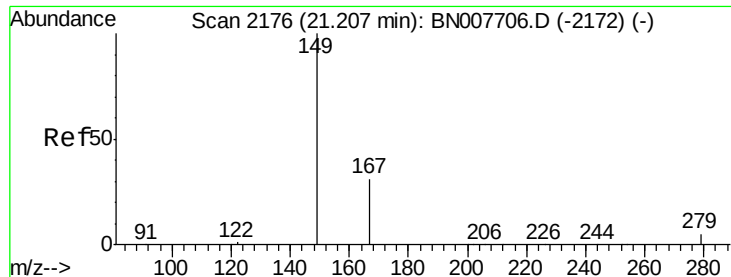
Delta R.T. -0.01 min

Lab File: BN008032.D

Acq: 05 Oct 2019 18:50

Tgt Ion:	228	Resp:	252783
Ion Ratio	Lower	Upper	
228	100		
226	29.6	23.9	35.9
229	23.5	15.8	23.6





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.991 ng

RT: 21.17 min Scan# 2173

Delta R.T. -0.03 min

Lab File: BN008032.D

Acq: 05 Oct 2019 18:50

Instrument :

BNA_N

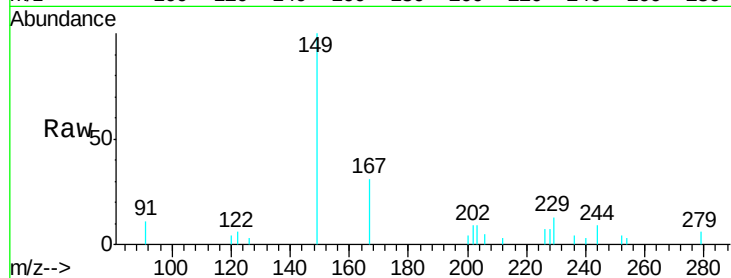
ClientSampleId :

EXT-024-SW069-092519

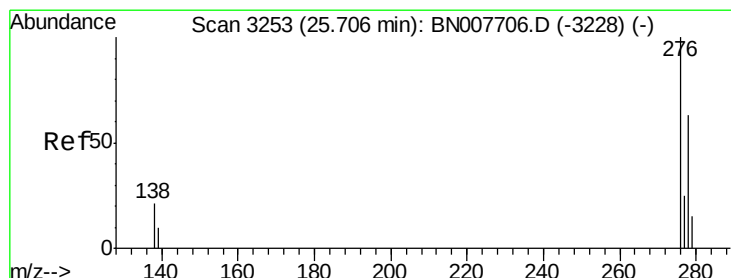
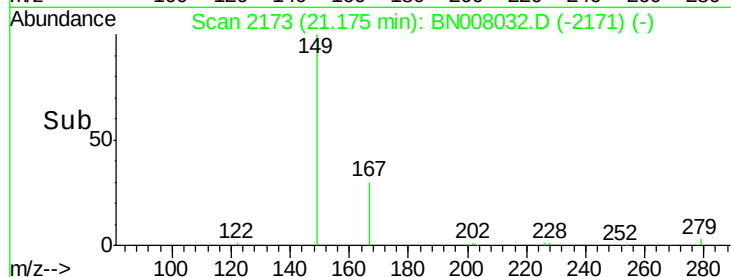
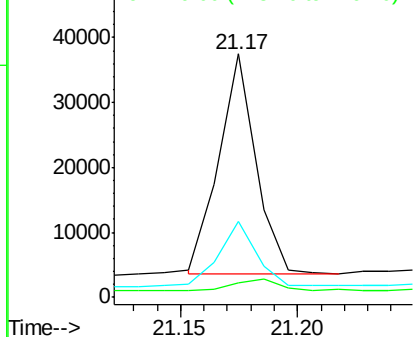
Tgt Ion:	149	Resp:	36927
Ion Ratio	Lower	Upper	
149	100		
167	29.1	23.7	35.5
279	5.5	4.2	6.2

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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



#33

Indeno(1,2,3-cd)pyrene

Concen: 1.561 ng

RT: 25.68 min Scan# 3244

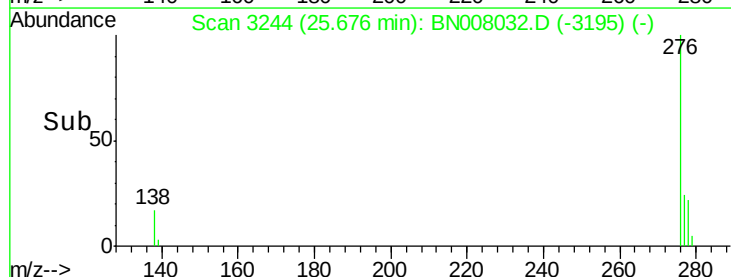
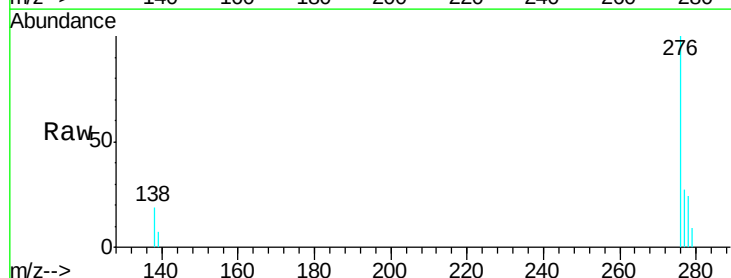
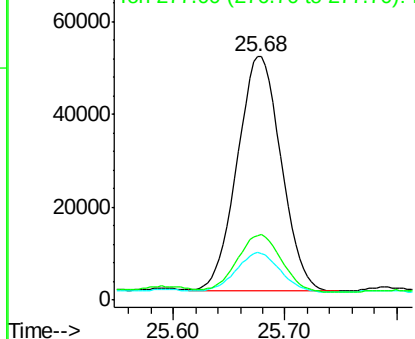
Delta R.T. -0.03 min

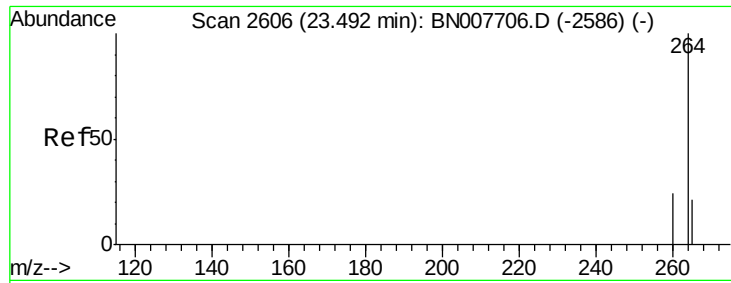
Lab File: BN008032.D

Acq: 05 Oct 2019 18:50

Tgt Ion:	276	Resp:	138048
Ion Ratio	Lower	Upper	
276	100		
138	16.9	17.1	25.7#
277	24.8	20.0	30.0

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





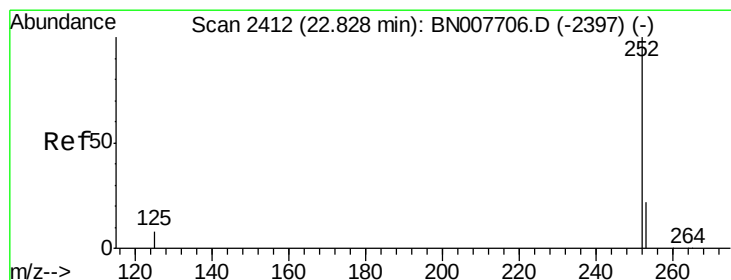
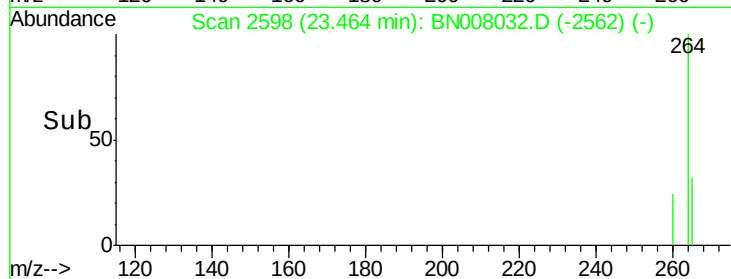
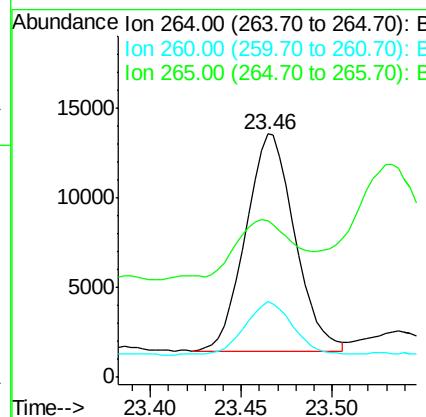
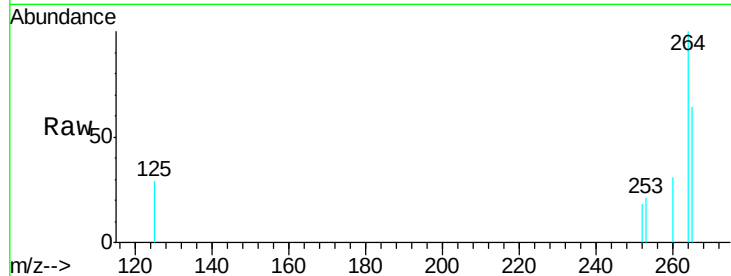
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.46 min Scan# 2598
 Delta R.T. -0.03 min
 Lab File: BN008032.D
 Acq: 05 Oct 2019 18:50

Instrument :
 BNA_N
 ClientSampleId :
 EXT-024-SW069-092519

Tgt Ion	Ratio	Lower	Upper
264	100		
260	31.0	19.3	28.9#
265	64.4	26.9	40.3#

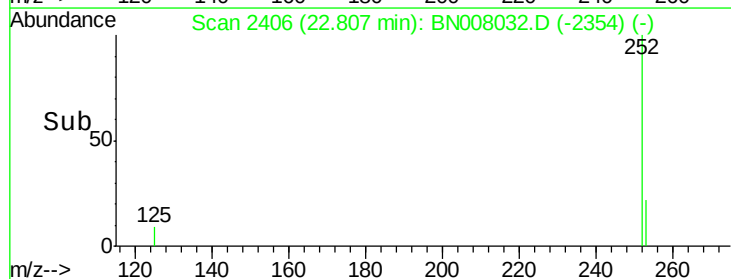
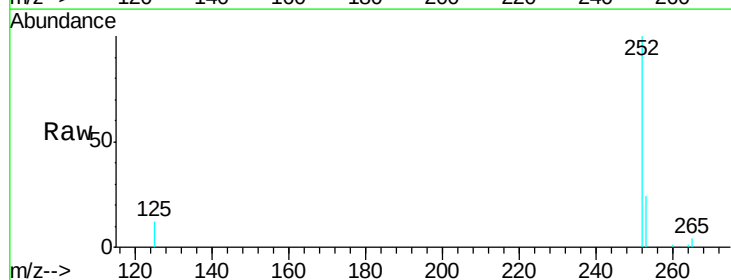
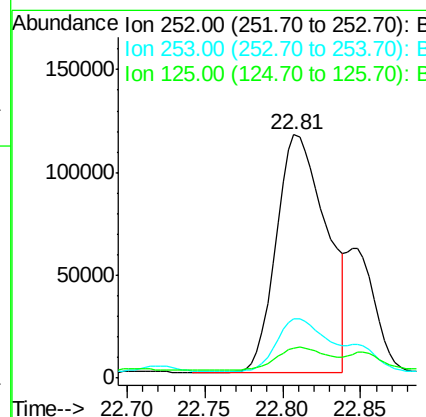
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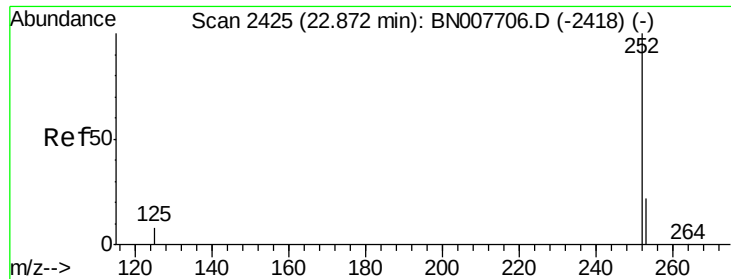
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#35
Benzo(b)fluoranthene
 Concen: 3.278 ng
 RT: 22.81 min Scan# 2406
 Delta R.T. -0.02 min
 Lab File: BN008032.D
 Acq: 05 Oct 2019 18:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.3	27.5
125	12.4	8.2	12.4#





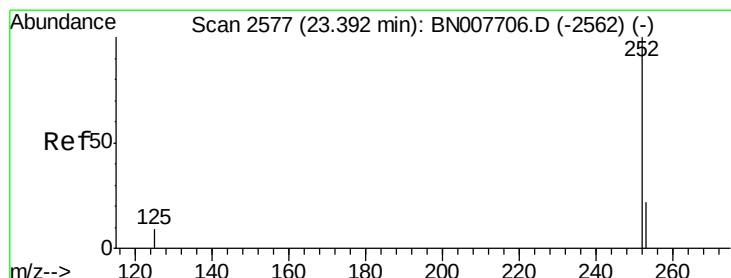
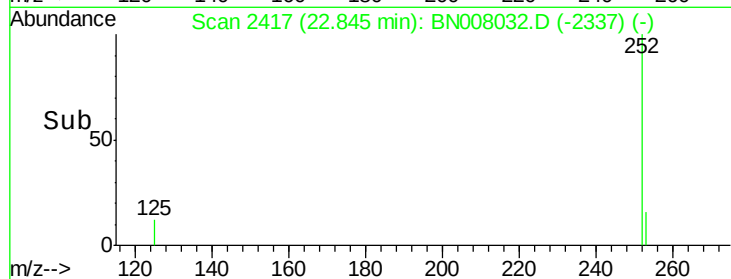
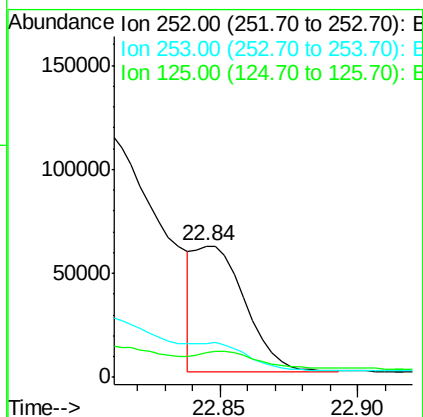
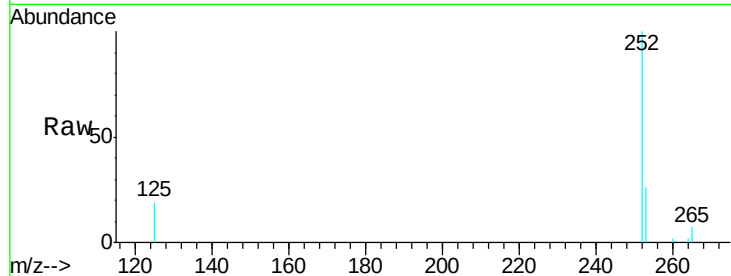
#36
Benzo(k)fluoranthene
Concen: 1.005 ng m
RT: 22.84 min Scan# 2417
Delta R.T. -0.03 min
Lab File: BN008032.D
Acq: 05 Oct 2019 18:50

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW069-092519

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.2	18.5	27.7
125	18.6	8.4	12.6

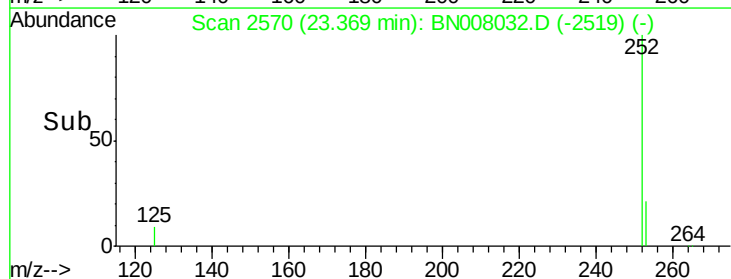
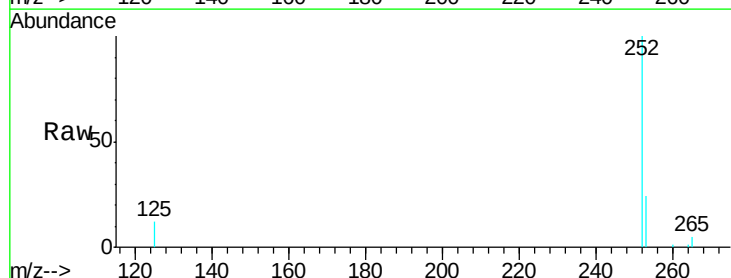
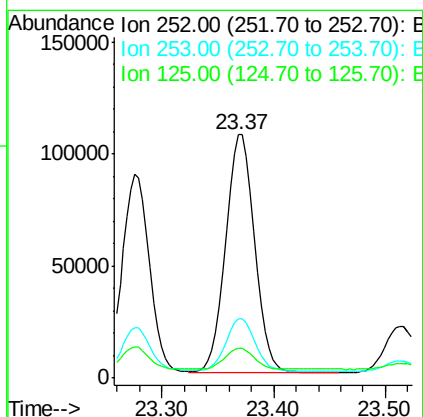
Manual Integrations
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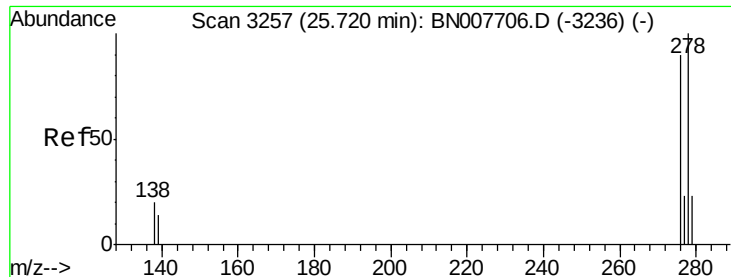
mohammad
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#37
Benzo(a)pyrene
Concen: 2.576 ng
RT: 23.37 min Scan# 2570
Delta R.T. -0.02 min
Lab File: BN008032.D
Acq: 05 Oct 2019 18:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.6	27.8
125	12.5	9.4	14.0





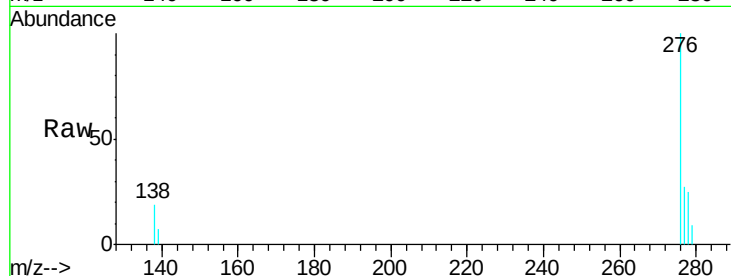
#38
 Dibenzo(a,h)anthracene
 Concen: 0.491 ng
 RT: 25.68 min Scan# 3245
 Delta R.T. -0.04 min
 Lab File: BN008032.D
 Acq: 05 Oct 2019 18:50

Instrument :
 BNA_N
 ClientSampleId :
 EXT-024-SW069-092519

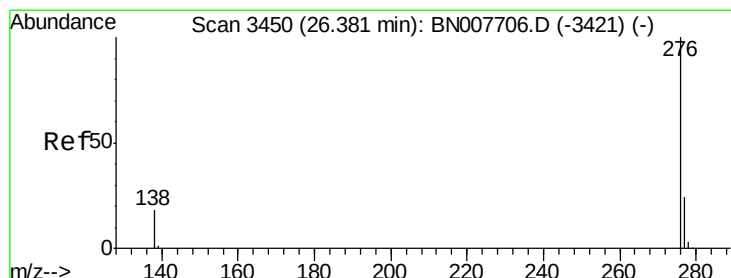
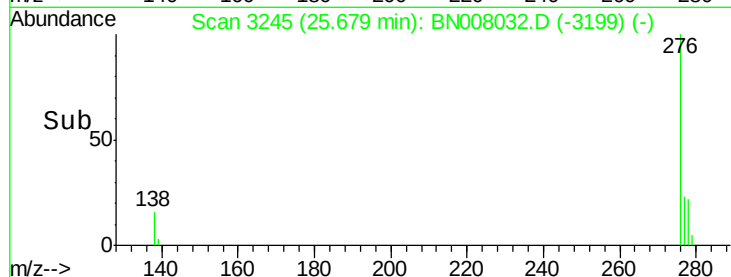
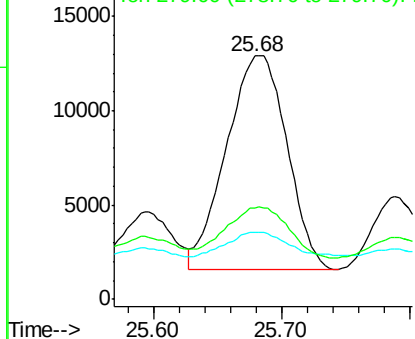
Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.6	11.8	17.6#
279	37.6	19.4	29.2#

Manual Integrations
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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



#39
 Benzo(g,h,i)perylene
 Concen: 2.036 ng
 RT: 26.35 min Scan# 3442
 Delta R.T. -0.03 min
 Lab File: BN008032.D
 Acq: 05 Oct 2019 18:50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.8	29.8
138	19.2	15.1	22.7

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

