

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091919\
 Data File : BN007755.D
 Acq On : 19 Sep 2019 23:33
 Operator : HP/JU
 Sample : K4918-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SB-1

Manual Integrations
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 9/20/2019 1:10:48 PM

Quant Time: Sep 20 11:16:32 2019

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Sep 18 18:24:40 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	6626	0.40	ng	0.00
7) Naphthalene-d8	10.47	136	26335	0.40	ng	0.00
13) Acenaphthene-d10	14.32	164	18845	0.40	ng	0.00
19) Phenanthrene-d10	17.07	188	37912	0.40	ng	0.00
27) Chrysene-d12	21.27	240	41136	0.40	ng	0.00
34) Perylene-d12	23.48	264	47470	0.40	ng	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.32	112	4642	0.20	ng	0.00
5) Phenol-d6	6.87	99	6396	0.22	ng	0.00
8) Nitrobenzene-d5	8.83	82	5374	0.23	ng	0.00
11) 2-Methylnaphthalene-d10	12.06	152	11875	0.27	ng	0.00
14) 2,4,6-Tribromophenol	15.82	330	1591	0.16	ng	0.00
15) 2-Fluorobiphenyl	12.94	172	17439	0.22	ng	0.00
25) Fluoranthene-d10	19.10	212	34385	0.27	ng	0.00
29) Terphenyl-d14	19.71	244	28089	0.28	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.52	128	12437	0.168	ng	99
12) 2-Methylnaphthalene	12.13	142	5758	0.115	ng	98
16) Acenaphthylene	14.04	152	41025	0.410	ng	98
17) Acenaphthene	14.38	154	11341	0.176	ng	93
18) Fluorene	15.37	166	15640	0.189	ng	# 94
23) Phenanthrene	17.11	178	373190	3.160	ng	97
24) Anthracene	17.20	178	114041	1.069	ng	97
26) Fluoranthene	19.13	202	796718	5.425	ng	99
28) Pyrene	19.50	202	860331	6.132	ng	# 95
30) Benzo(a)anthracene	21.25	228	569554	3.760	ng	97
31) Chrysene	21.30	228	524644	3.554	ng	96
32) Bis(2-ethylhexyl)phthalate	21.20	149	40787	0.524	ng	# 79
33) Indeno(1,2,3-cd)pyrene	25.69	276	289689	1.567	ng	97
35) Benzo(b)fluoranthene	22.82	252	634832	3.852	ng	99
36) Benzo(k)fluoranthene	22.86	252	221628m	1.360	ng	
37) Benzo(a)pyrene	23.39	252	466600	3.013	ng	98
38) Dibenzo(a,h)anthracene	25.70	278	80084	0.505	ng	93
39) Benzo(a,h,i)perylene	26.37	276	286428	1.827	ng	99

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

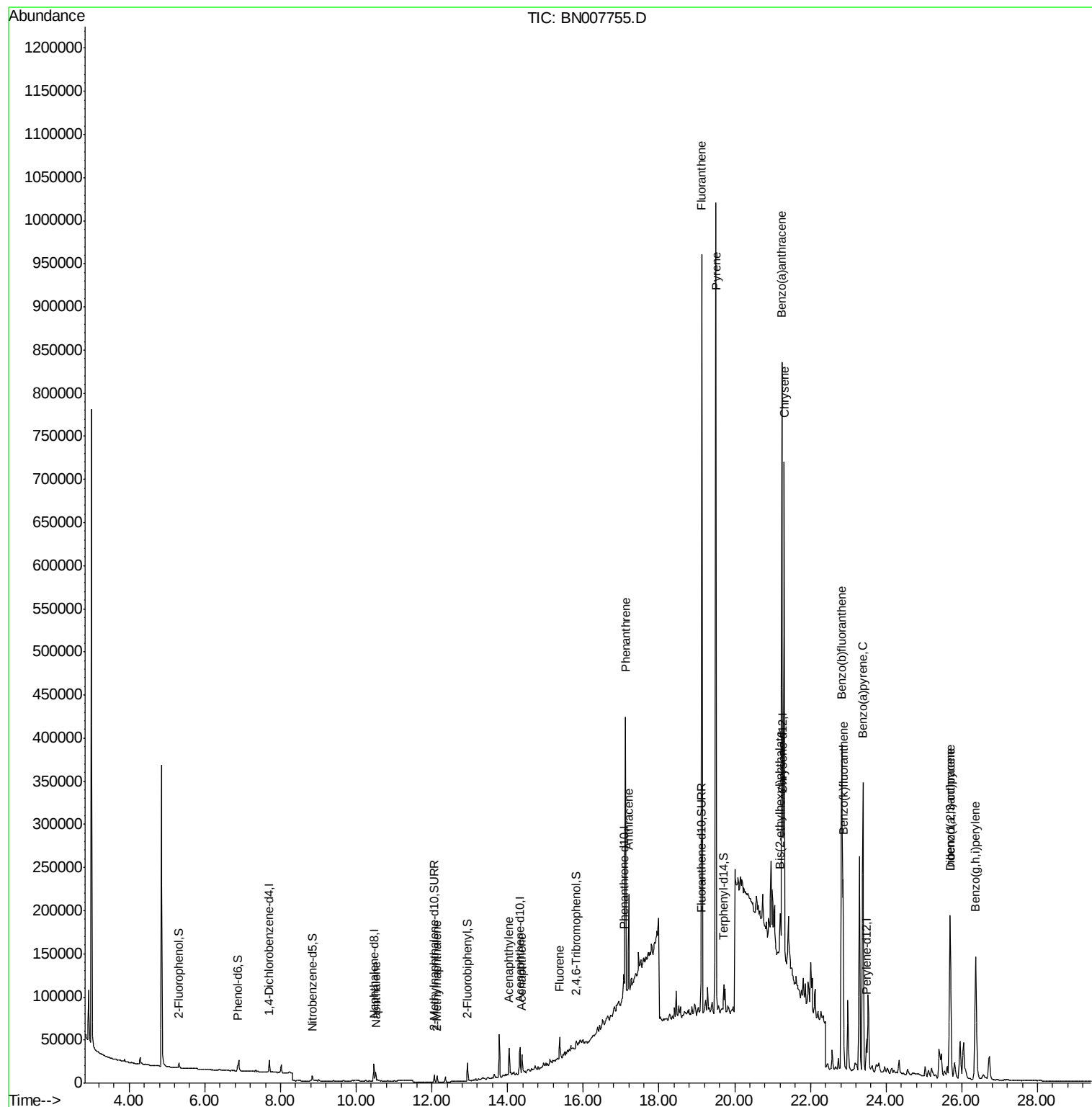
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091919\
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#1

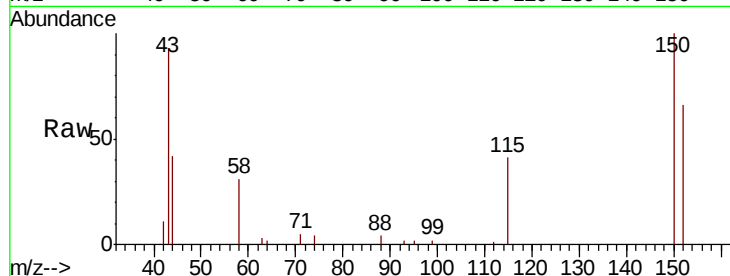
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.70 min Scan# 605
Delta R.T. 0.00 min
Lab File: BN007755.D
Acq: 19 Sep 2019 23:33

Instrument :
BNA_N
ClientSampled :
SB-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	125.6	188.4
115	63.0	53.3	79.9

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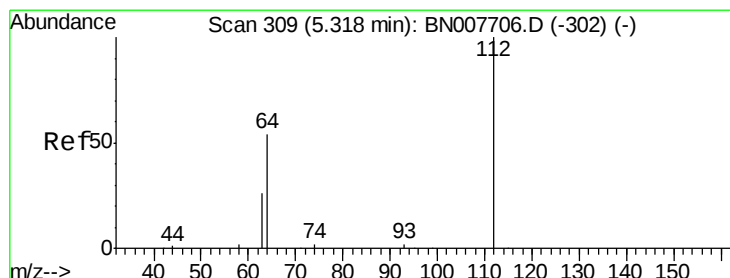
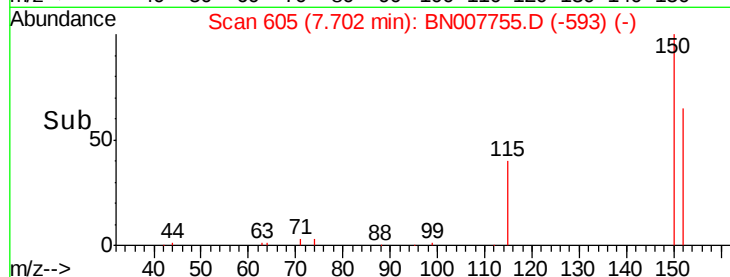
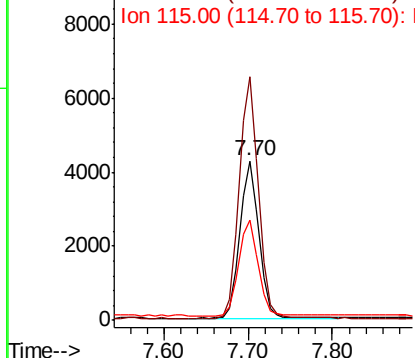


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

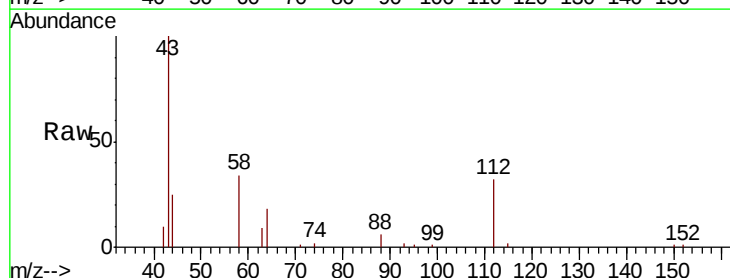
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.204 ng
RT: 5.32 min Scan# 309
Delta R.T. 0.00 min
Lab File: BN007755.D
Acq: 19 Sep 2019 23:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	46.6	70.0
63	28.7	23.1	34.7

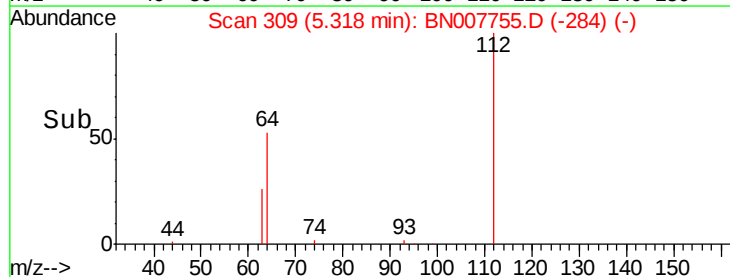
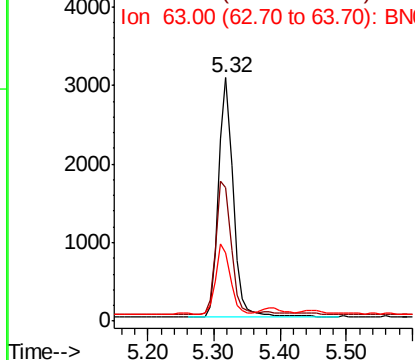


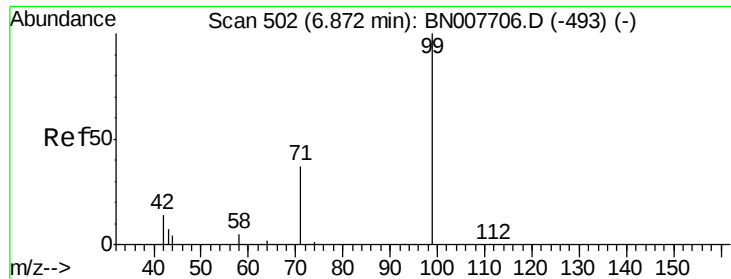
Abundance

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: 0.222 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN007755.D

Acq: 19 Sep 2019 23:33

Instrument :

BNA_N

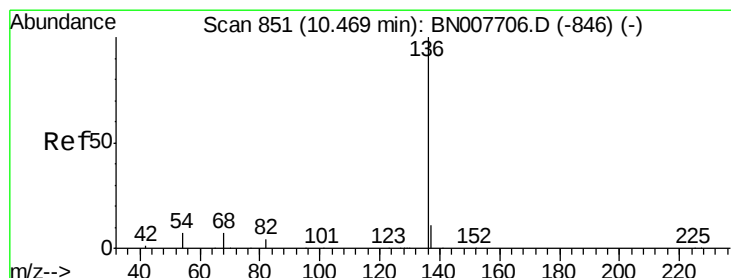
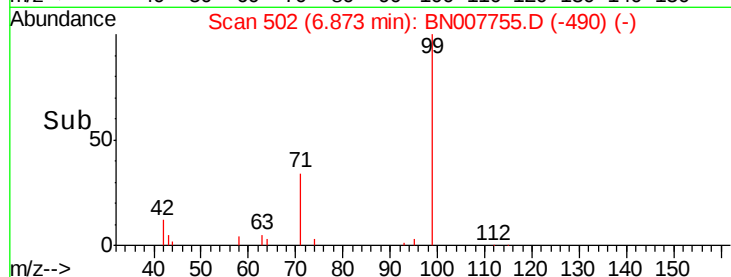
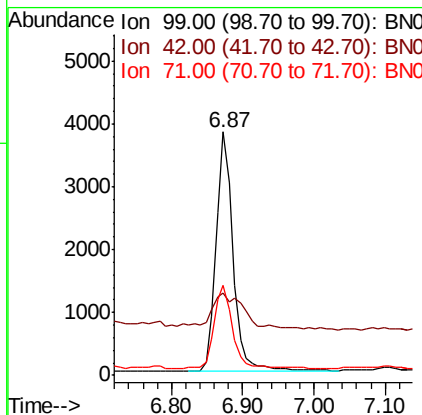
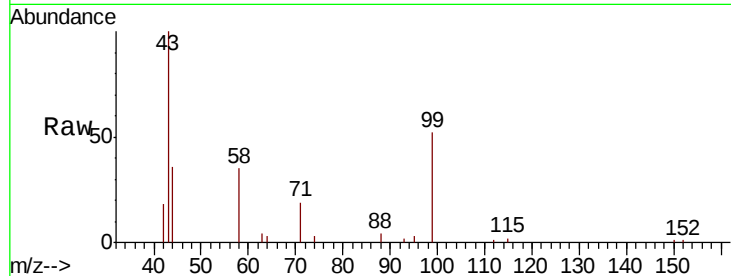
ClientSampled :

SB-1

Tot Ion:	99	Resp:	6396
Ion	Ratio	Lower	Upper
99	100		
42	22.6	12.8	19.2#
71	37.3	27.6	41.4

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#7

Naphthalene-d8

Concen: 0.400 ng

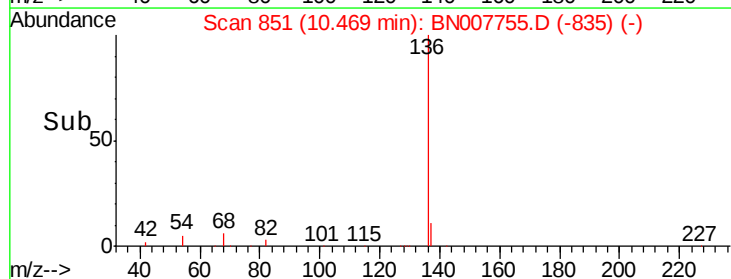
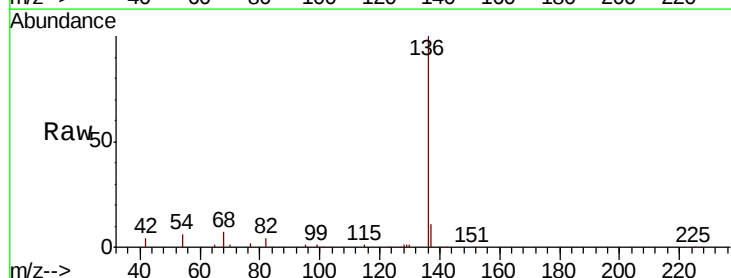
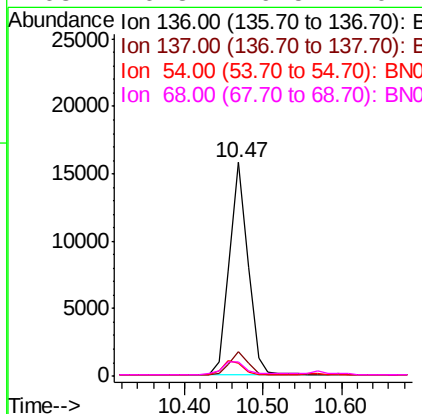
RT: 10.47 min Scan# 851

Delta R.T. 0.00 min

Lab File: BN007755.D

Acq: 19 Sep 2019 23:33

Tgt Ion:	136	Resp:	26335
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	6.1	5.8	8.8
68	6.8	6.5	9.7





#8

Nitrobenzene-d5

Concen: 0.233 ng

RT: 8.83 min Scan# 722

Delta R.T. 0.00 min

Lab File: BN007755.D

Acq: 19 Sep 2019 23:33

Instrument :

BNA_N

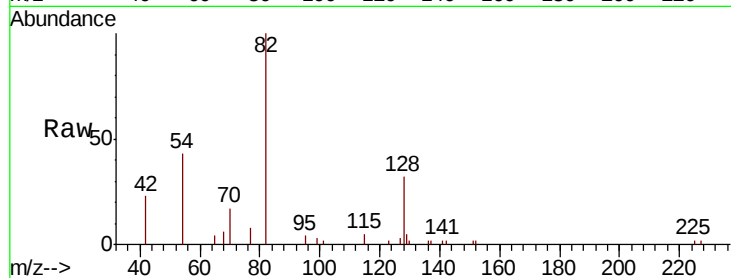
ClientSampleId :

SB-1

Tot Ion:	82	Resp:	5374
Ion	Ratio	Lower	Upper
82	100		
128	31.9	24.5	36.7
54	43.1	35.2	52.8

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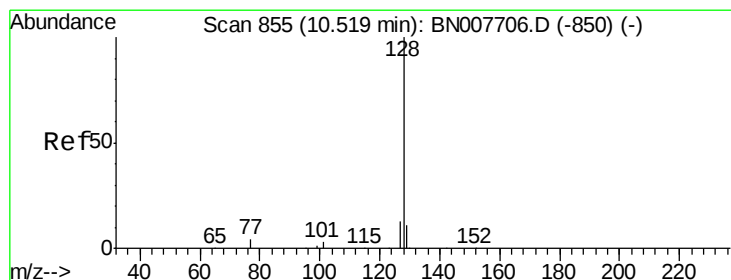
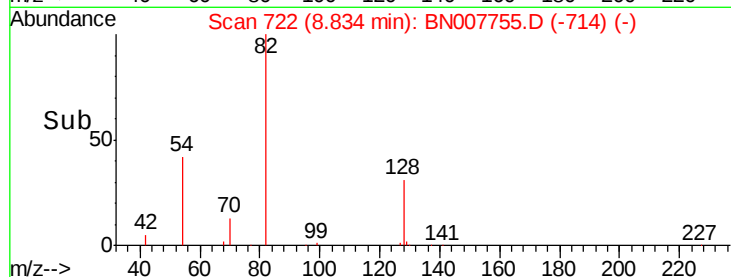
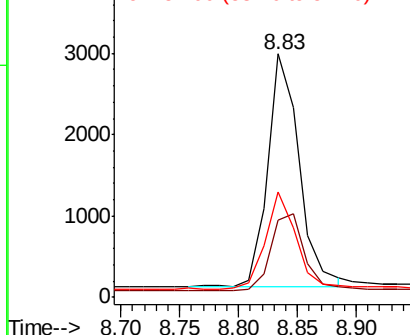


Abundance

Ion 82.00 (81.70 to 82.70): BN0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BN0



#9

Naphthalene

Concen: 0.168 ng

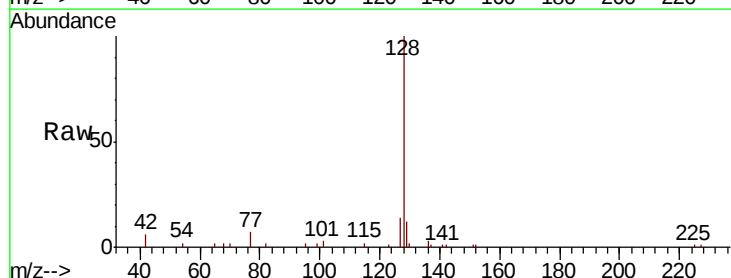
RT: 10.52 min Scan# 855

Delta R.T. 0.00 min

Lab File: BN007755.D

Acq: 19 Sep 2019 23:33

Tgt Ion:	128	Resp:	12437
Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.1	13.7
127	13.5	10.6	15.8

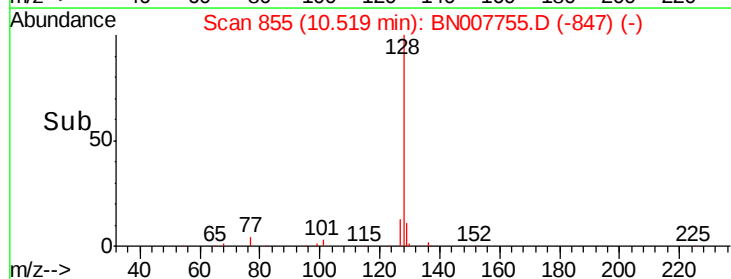
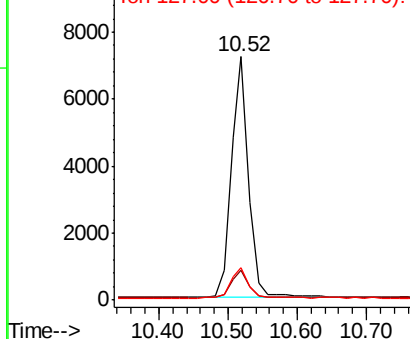


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





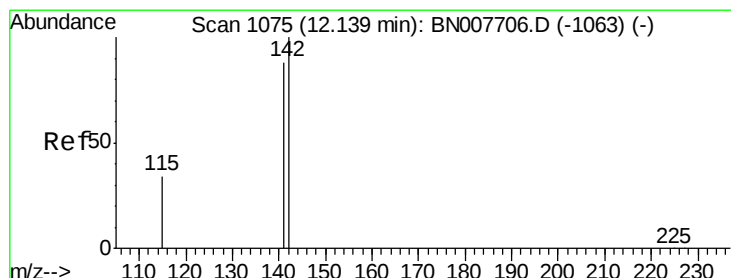
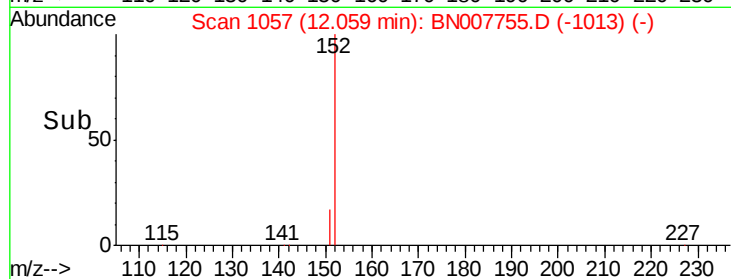
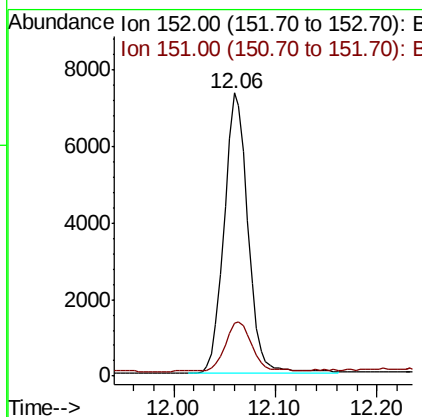
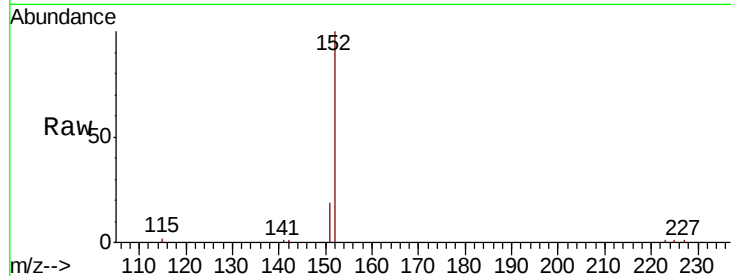
#11
2-Methylnaphthalene-d10
Concen: 0.268 ng
RT: 12.06 min Scan# 1057
Delta R.T. -0.00 min
Lab File: BN007755.D
Acq: 19 Sep 2019 23:33

Instrument :
BNA_N
ClientSampleId :
SB-1

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.2

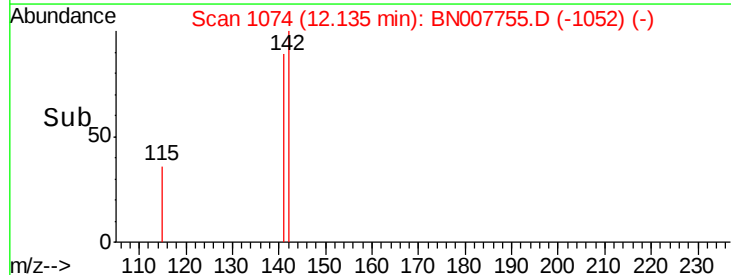
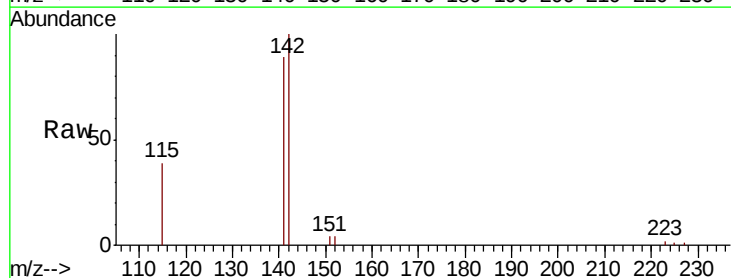
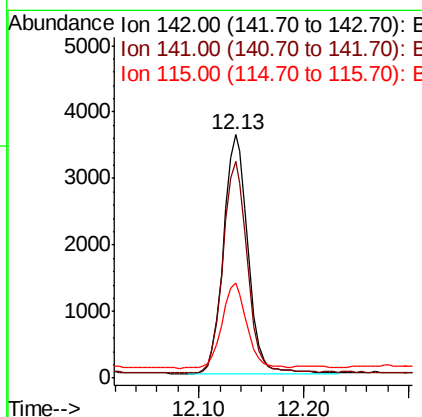
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#12
2-Methylnaphthalene
Concen: 0.115 ng
RT: 12.13 min Scan# 1074
Delta R.T. -0.00 min
Lab File: BN007755.D
Acq: 19 Sep 2019 23:33

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.6	106.0
115	39.3	28.3	42.5





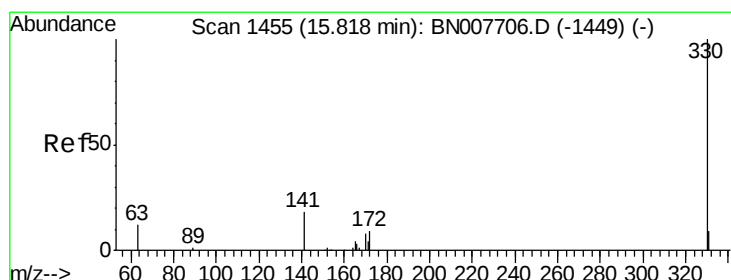
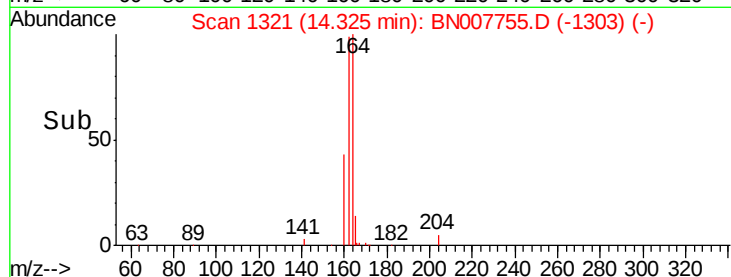
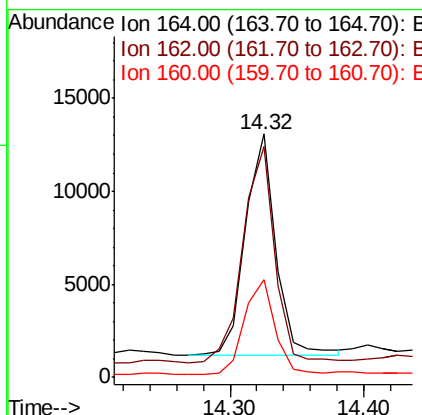
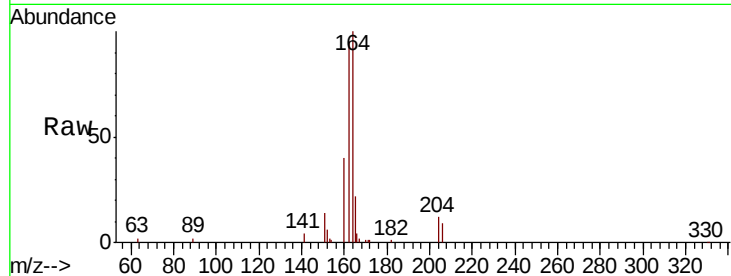
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.32 min Scan# 1321
Delta R.T. 0.00 min
Lab File: BN007755.D
Acq: 19 Sep 2019 23:33

Instrument :
BNA_N
ClientSampleId :
SB-1

Tot Ion	Ratio	Lower	Upper
164	100		
162	94.9	81.7	122.5
160	40.2	37.0	55.4

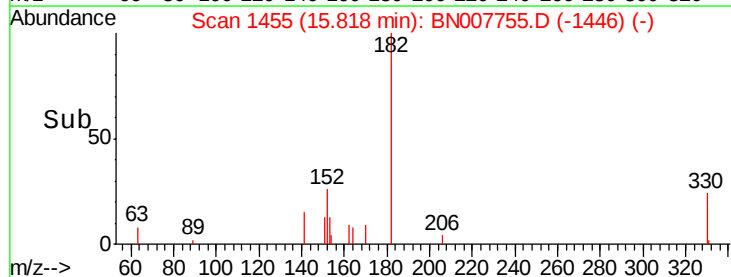
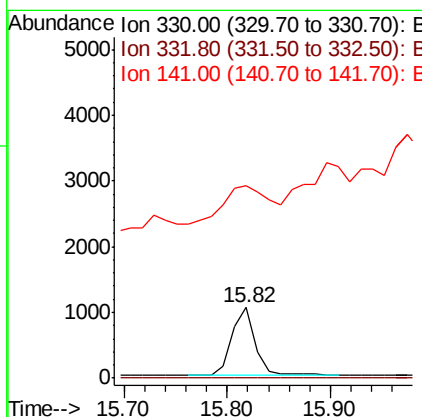
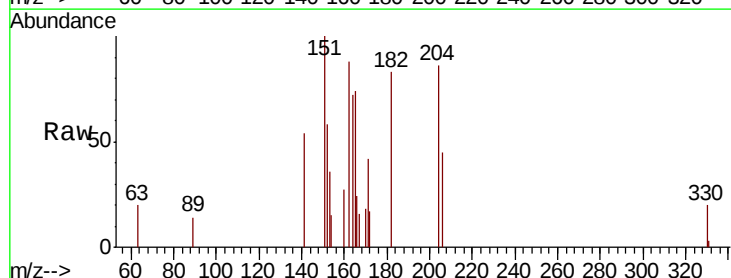
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#14
2,4,6-Tribromophenol
Concen: 0.155 ng
RT: 15.82 min Scan# 1455
Delta R.T. 0.00 min
Lab File: BN007755.D
Acq: 19 Sep 2019 23:33

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	118.3	28.7	43.1#





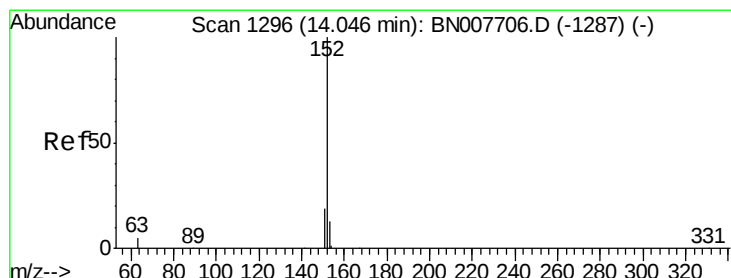
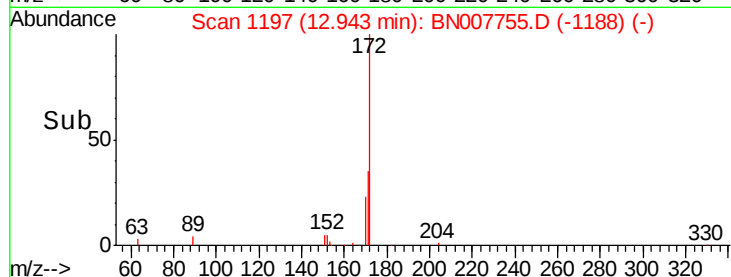
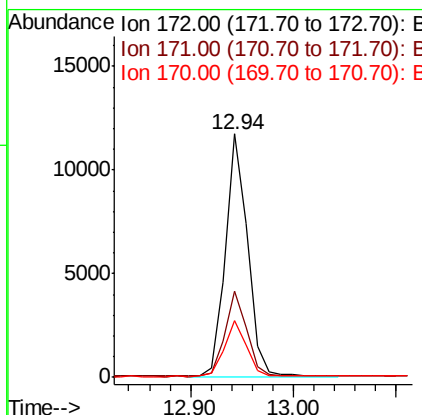
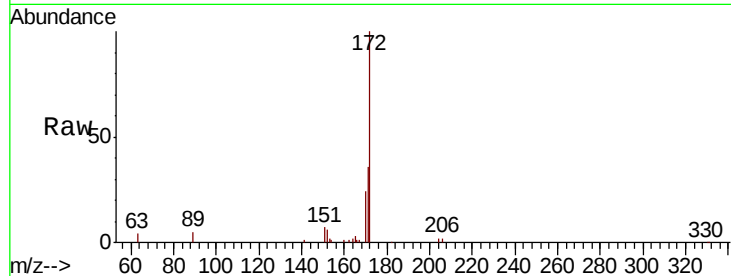
#15
2-Fluorobiphenyl
Concen: 0.225 ng
RT: 12.94 min Scan# 1197
Delta R.T. 0.00 min
Lab File: BN007755.D
Acq: 19 Sep 2019 23:33

Instrument :
BNA_N
ClientSampleId :
SB-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.8	43.2
170	23.5	19.5	29.3

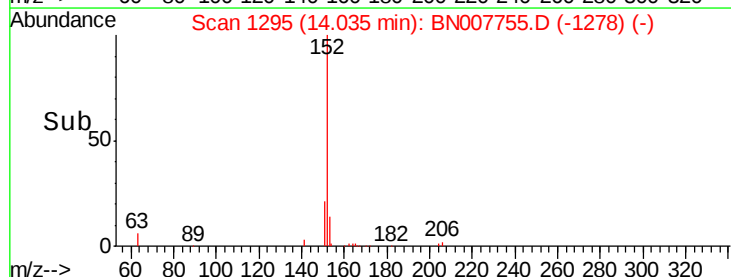
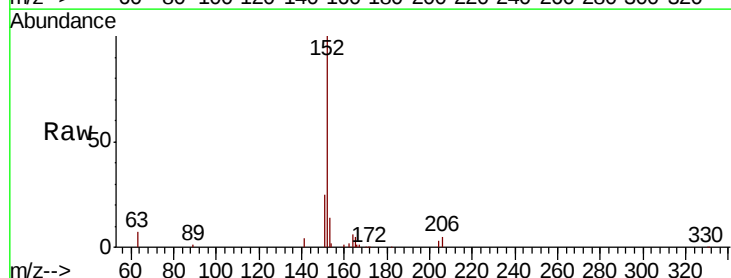
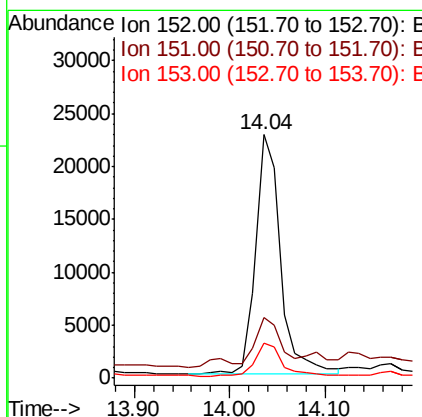
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#16
Acenaphthylene
Concen: 0.410 ng
RT: 14.04 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BN007755.D
Acq: 19 Sep 2019 23:33

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.5	23.3
153	14.8	10.4	15.6





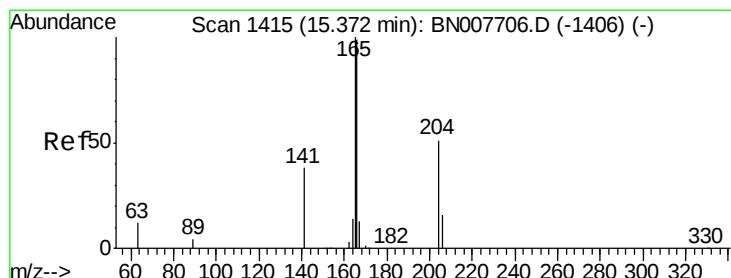
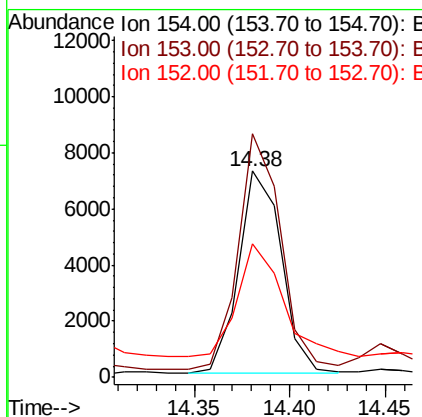
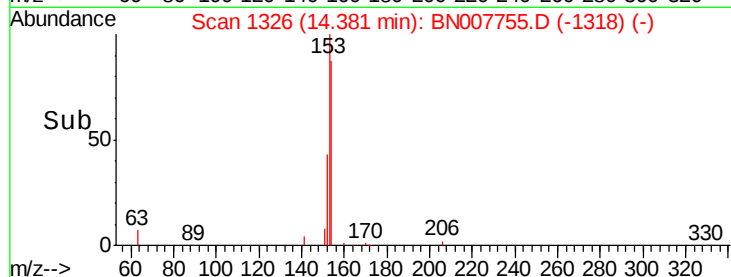
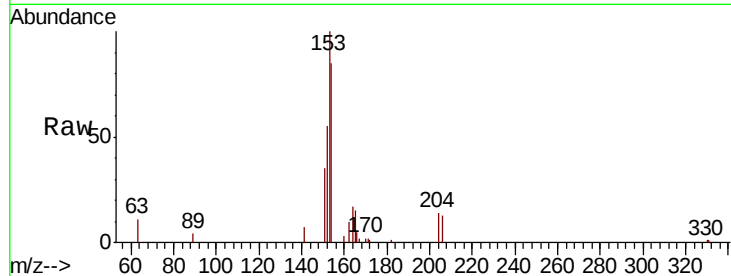
#17
Acenaphthene
Concen: 0.176 ng
RT: 14.38 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BN007755.D
Acq: 19 Sep 2019 23:33

Instrument :
BNA_N
ClientSampled :
SB-1

Tot Ion	Ratio	Lower	Upper
154	100		
153	115.4	87.0	130.4
152	59.5	42.7	64.1

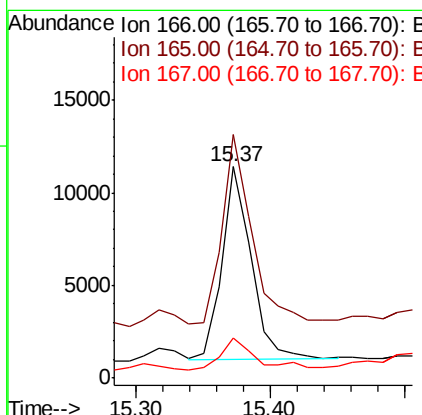
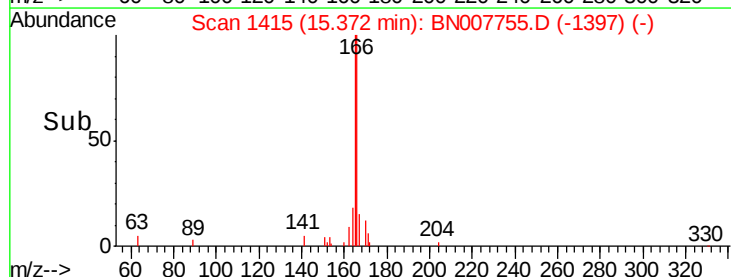
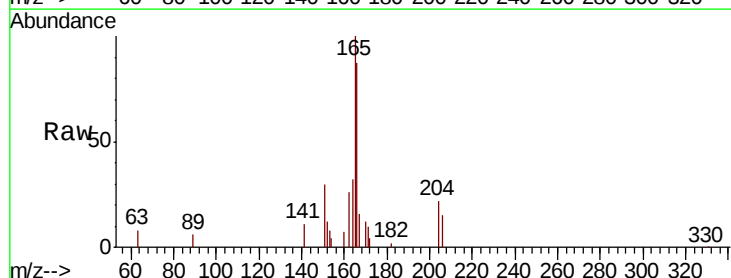
Manual Integrations
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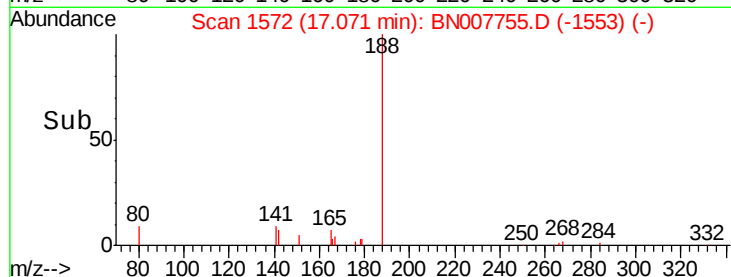
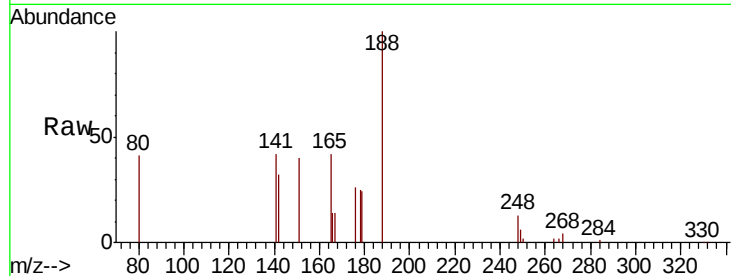
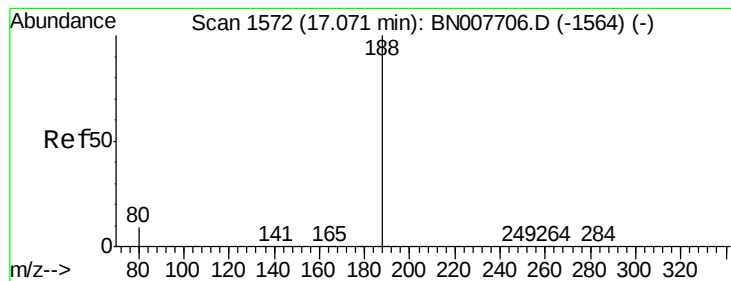
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#18
Fluorene
Concen: 0.189 ng
RT: 15.37 min Scan# 1415
Delta R.T. 0.00 min
Lab File: BN007755.D
Acq: 19 Sep 2019 23:33

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.7	78.0	117.0
167	20.3	10.9	16.3#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.07 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BN007755.D

Acq: 19 Sep 2019 23:33

Instrument :

BNA_N

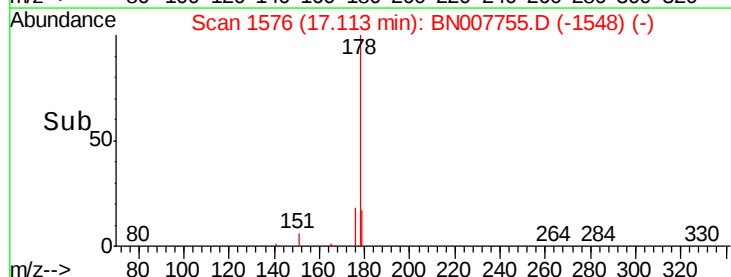
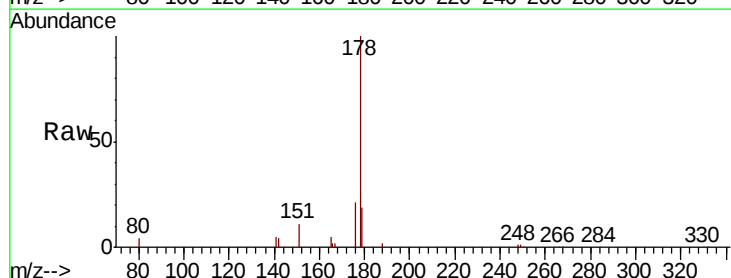
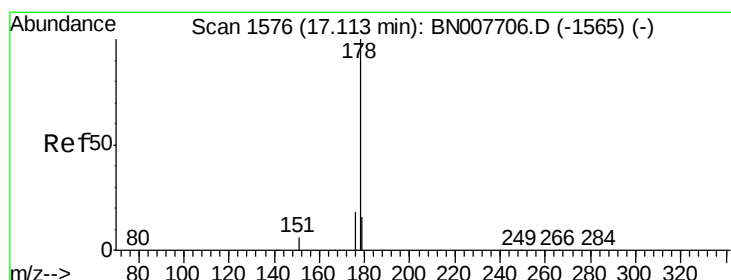
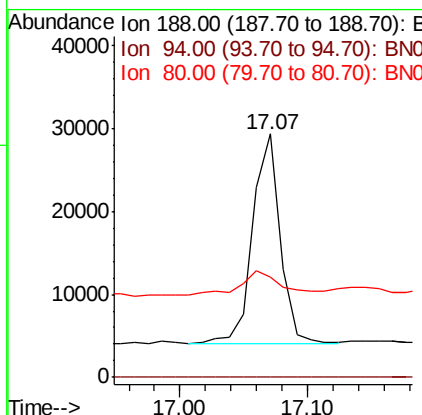
ClientSampleId :

SB-1

Tot Ion:	188	Resp:	37912
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	41.4	7.4	11.2#

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#23

Phenanthrene

Concen: 3.160 ng

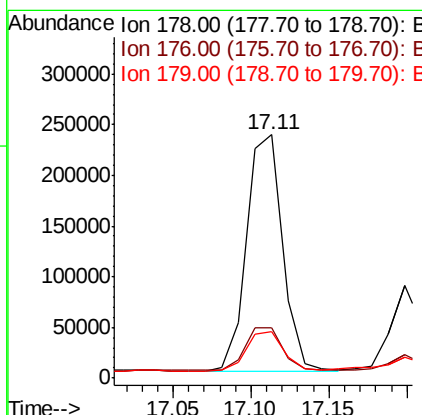
RT: 17.11 min Scan# 1576

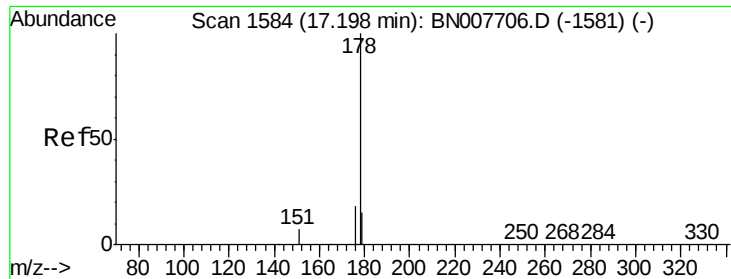
Delta R.T. 0.00 min

Lab File: BN007755.D

Acq: 19 Sep 2019 23:33

Tgt Ion:	178	Resp:	373190
Ion Ratio	Lower	Upper	
178	100		
176	19.6	14.9	22.3
179	17.6	12.5	18.7





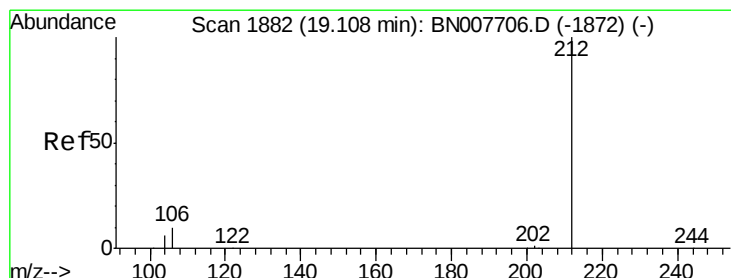
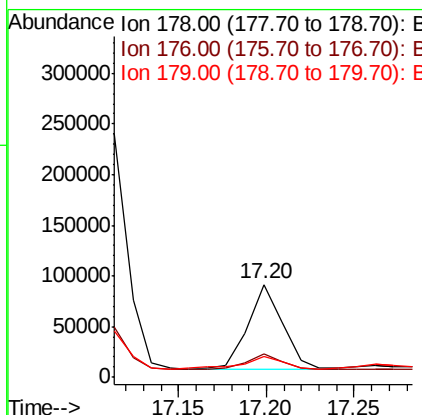
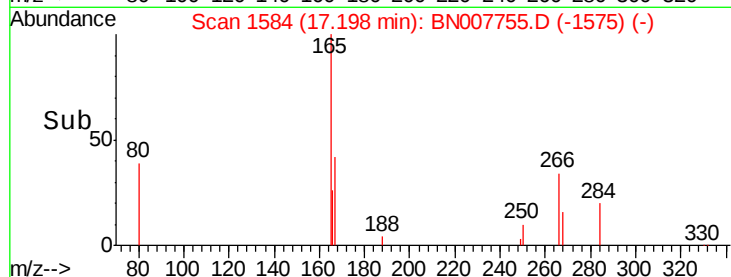
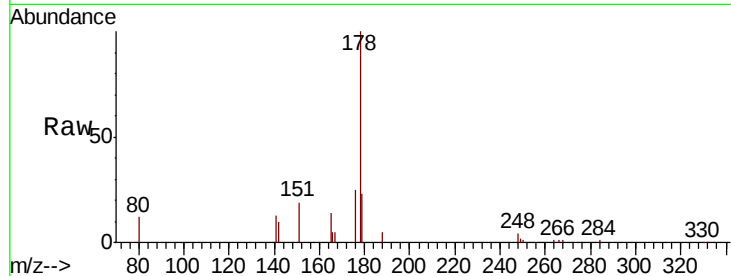
#24
 Anthracene
 Concen: 1.069 ng
 RT: 17.20 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: BN007755.D
 Acq: 19 Sep 2019 23:33

Instrument :
 BNA_N
 ClientSampleId :
 SB-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.6	21.8
179	17.1	12.2	18.4

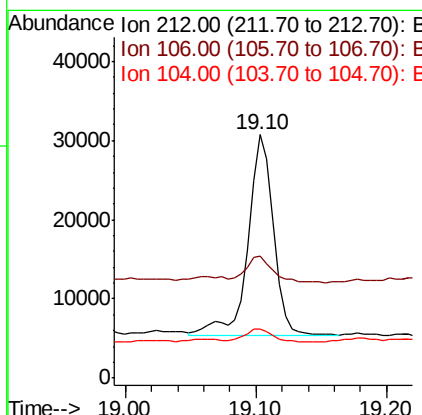
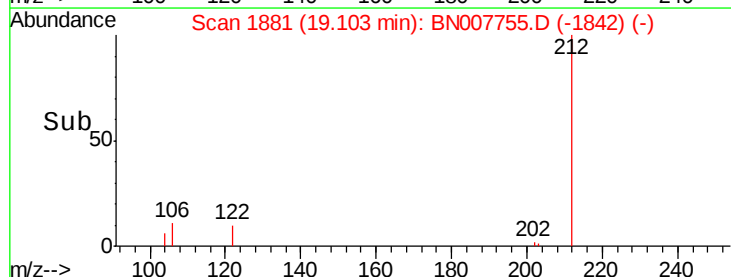
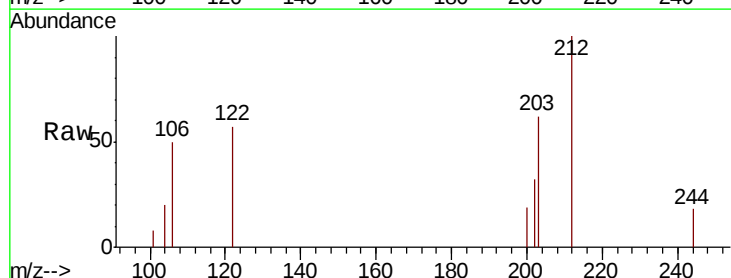
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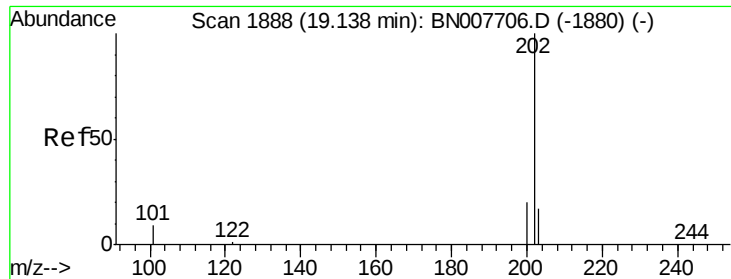
mohammad
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#25
 Fluoranthene-d10
 Concen: 0.269 ng
 RT: 19.10 min Scan# 1881
 Delta R.T. -0.00 min
 Lab File: BN007755.D
 Acq: 19 Sep 2019 23:33

Tgt Ion	Ratio	Lower	Upper
212	100		
106	13.7	9.4	14.0
104	7.4	5.3	7.9





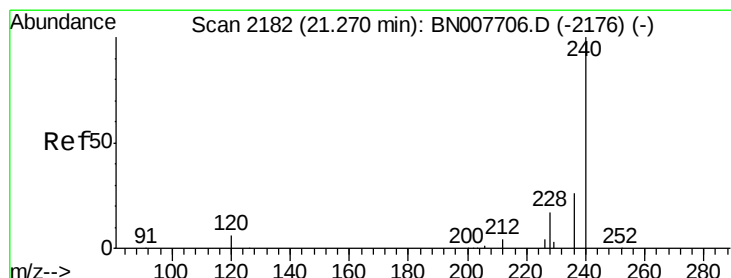
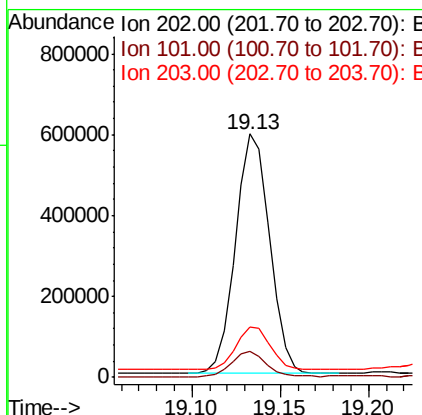
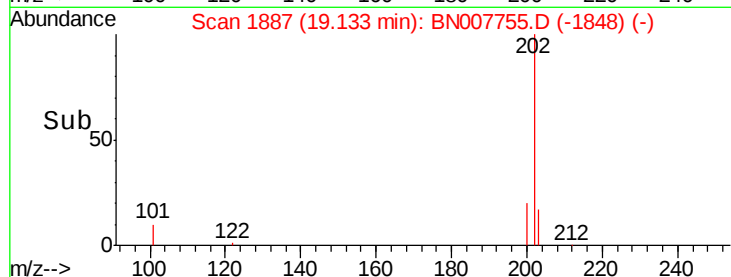
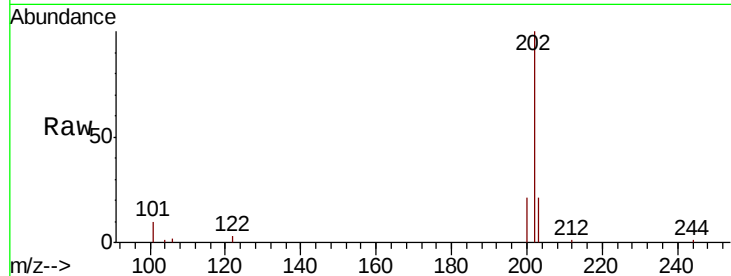
#26
 Fluoranthene
 Concen: 5.425 ng
 RT: 19.13 min Scan# 1887
 Delta R.T. -0.00 min
 Lab File: BN007755.D
 Acq: 19 Sep 2019 23:33

Instrument :
 BNA_N
 ClientSampleId :
 SB-1

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.3	8.4	12.6
203	17.9	13.8	20.8

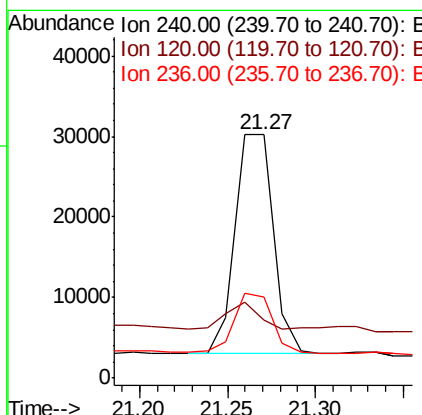
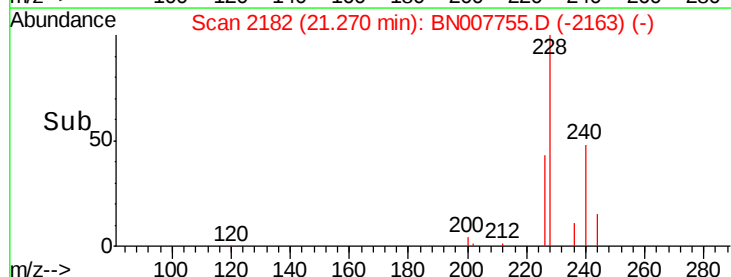
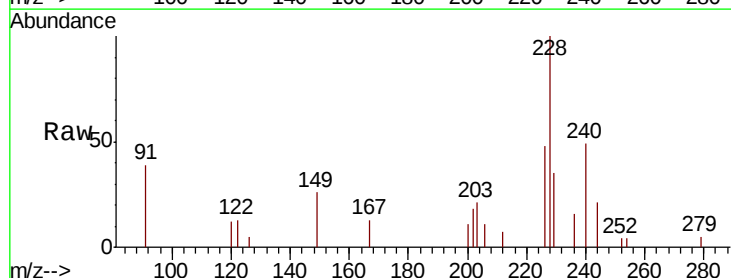
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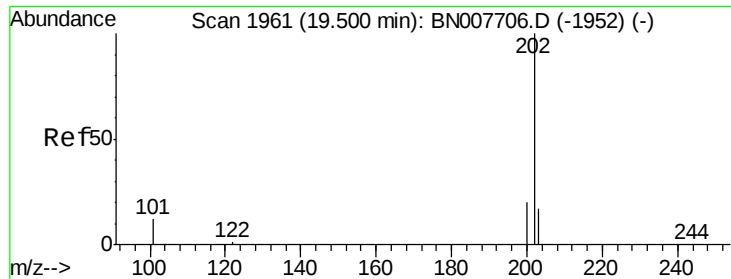
mohammad
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.27 min Scan# 2182
 Delta R.T. 0.00 min
 Lab File: BN007755.D
 Acq: 19 Sep 2019 23:33

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	23.7	5.4	8.2#
236	33.4	21.0	31.4#





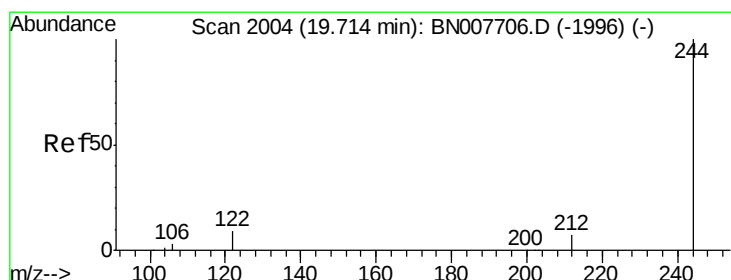
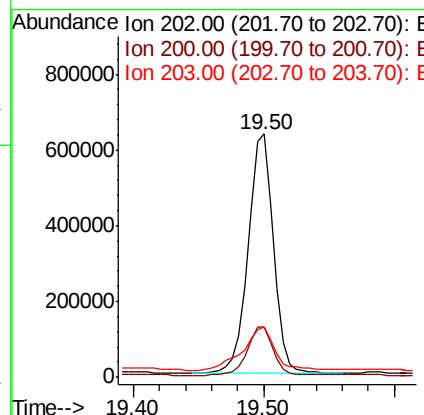
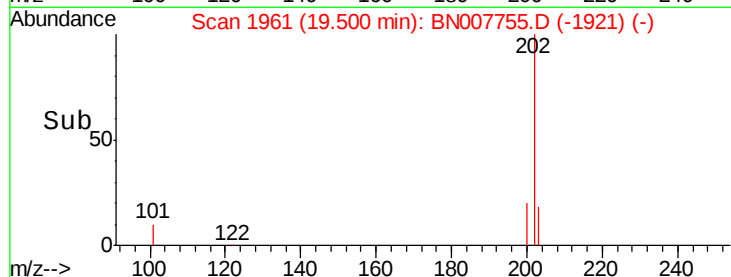
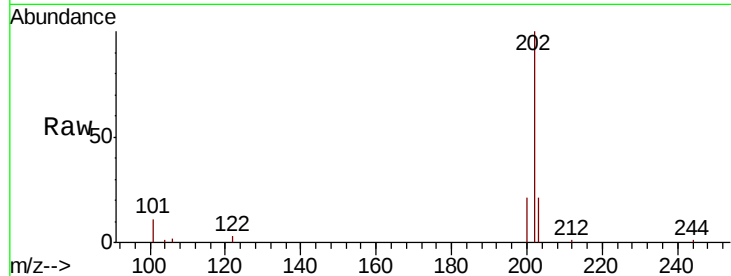
#28
Pvrene
Concen: 6.132 ng
RT: 19.50 min Scan# 1961
Delta R.T. 0.00 min
Lab File: BN007755.D
Acq: 19 Sep 2019 23:33

Instrument :
BNA_N
ClientSampleId :
SB-1

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.6	16.4	24.6
203	22.5	14.1	21.1

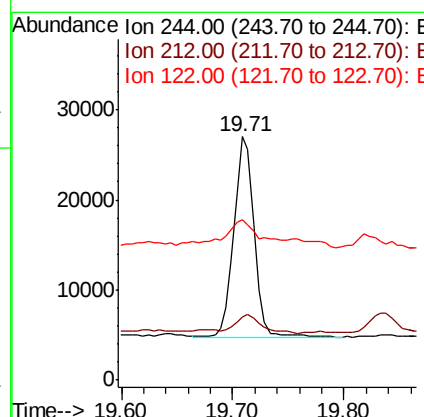
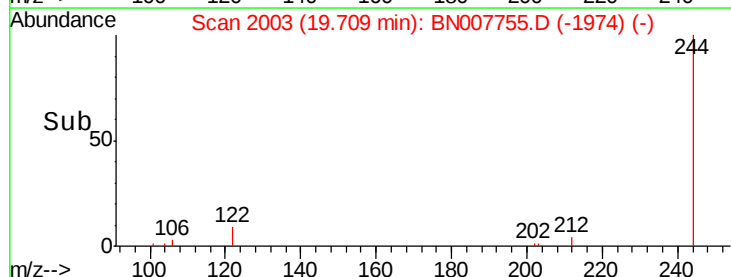
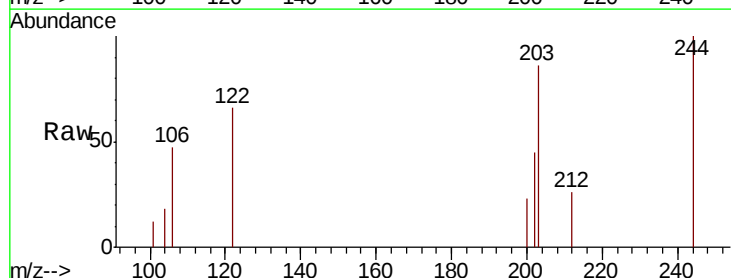
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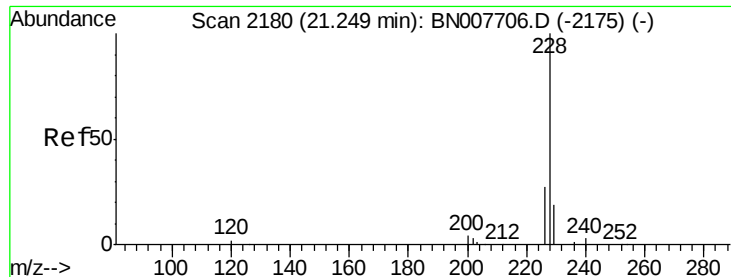
mohammad
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#29
Terphenyl-d14
Concen: 0.278 ng
RT: 19.71 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BN007755.D
Acq: 19 Sep 2019 23:33

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	26.2	5.9	8.9
122	65.8	7.4	11.2





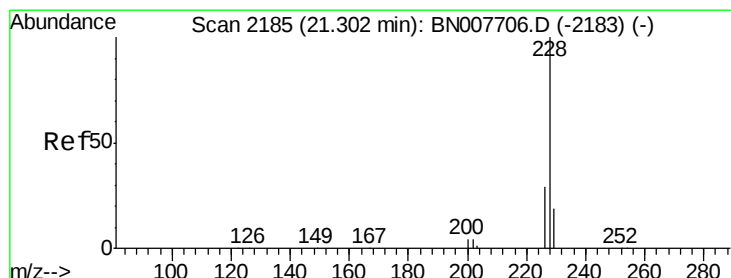
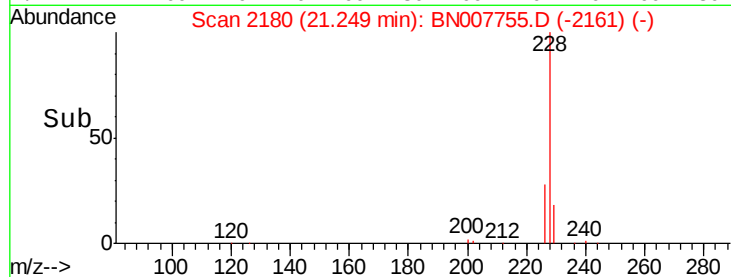
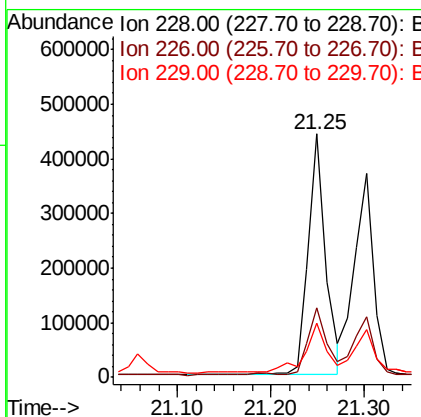
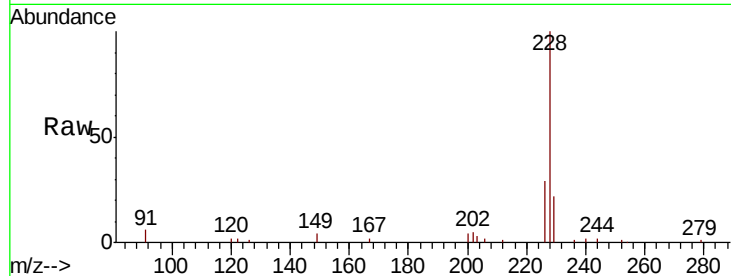
#30
Benzo(a)anthracene
Concen: 3.760 ng
RT: 21.25 min Scan# 2180
Delta R.T. 0.00 min
Lab File: BN007755.D
Acq: 19 Sep 2019 23:33

Instrument :
BNA_N
ClientSampled :
SB-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.1	33.1
229	22.3	15.8	23.6

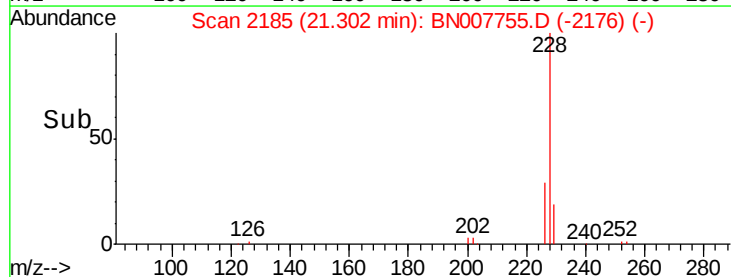
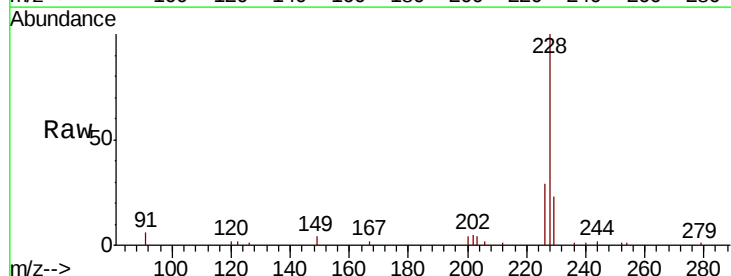
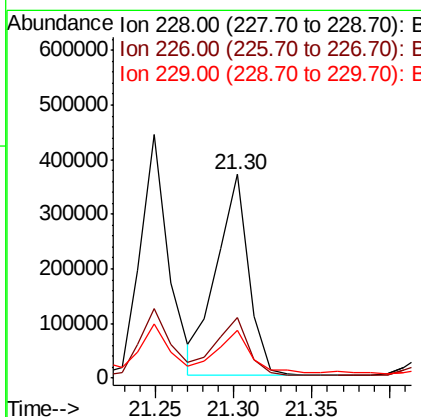
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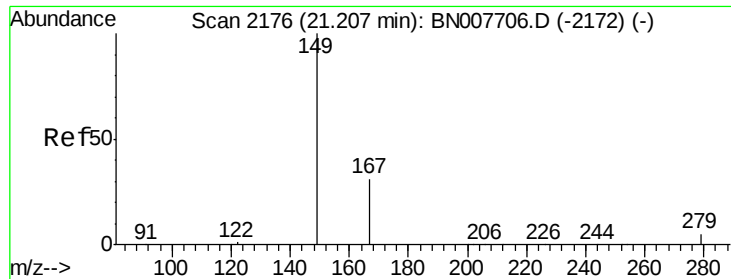
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#31
Chrysene
Concen: 3.554 ng
RT: 21.30 min Scan# 2185
Delta R.T. 0.00 min
Lab File: BN007755.D
Acq: 19 Sep 2019 23:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.9	35.9
229	23.3	15.8	23.6





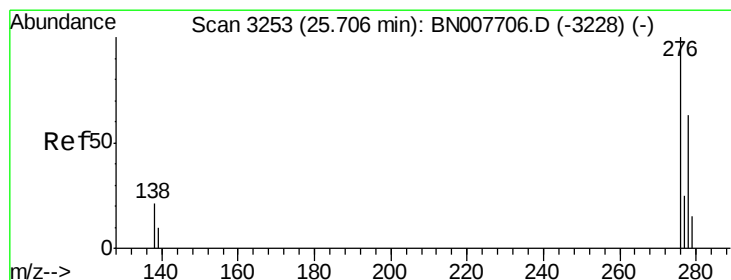
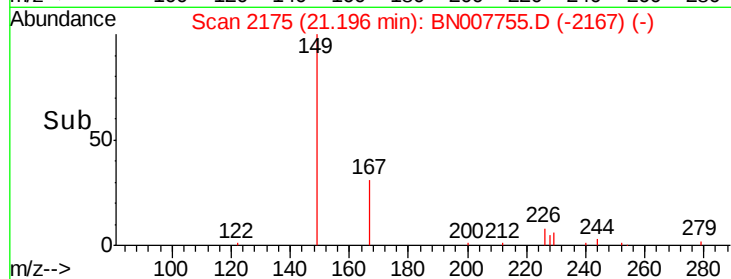
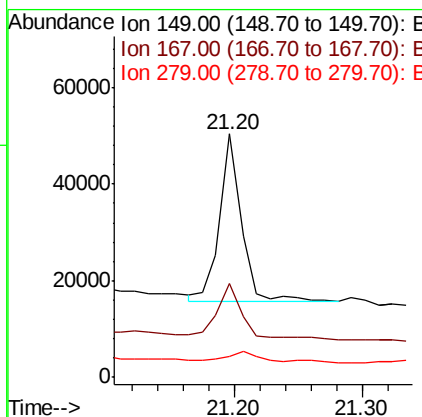
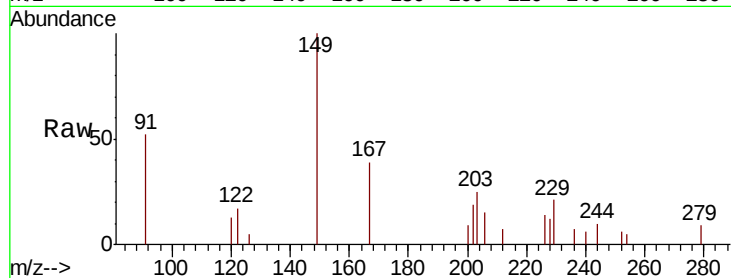
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.524 ng
 RT: 21.20 min Scan# 2175
 Delta R.T. -0.01 min
 Lab File: BN007755.D
 Acq: 19 Sep 2019 23:33

Instrument :
 BNA_N
 ClientSampled :
 SB-1

Tot Ion	Ratio	Lower	Upper
149	100		
167	42.2	23.7	35.5#
279	7.6	4.2	6.2#

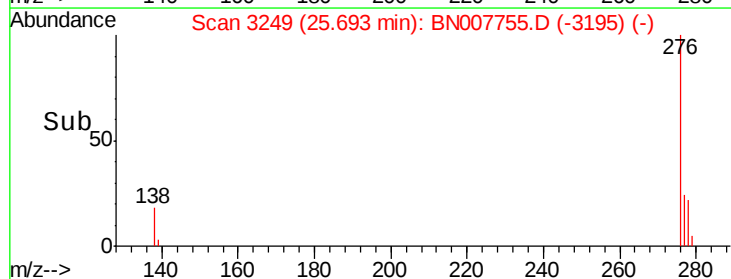
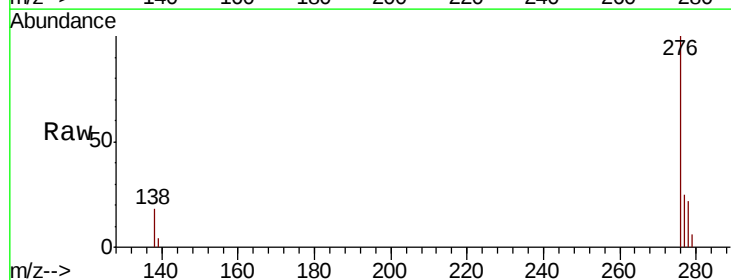
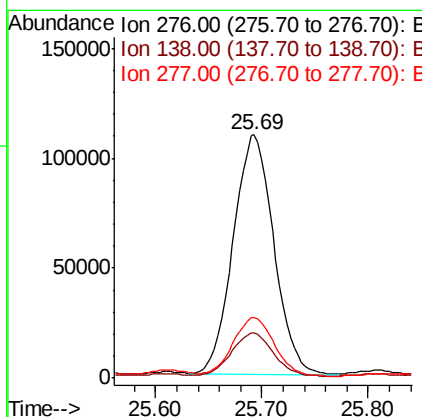
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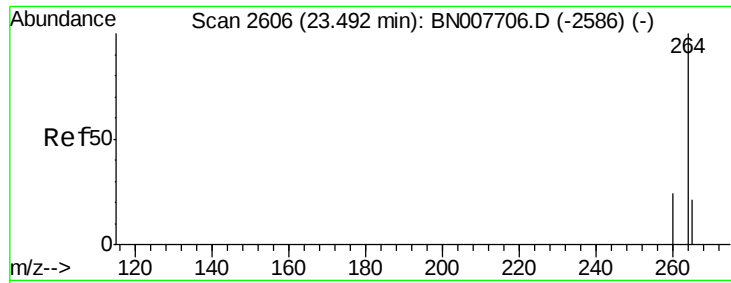
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 1.567 ng
 RT: 25.69 min Scan# 3249
 Delta R.T. -0.01 min
 Lab File: BN007755.D
 Acq: 19 Sep 2019 23:33

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.4	17.1	25.7
277	24.7	20.0	30.0





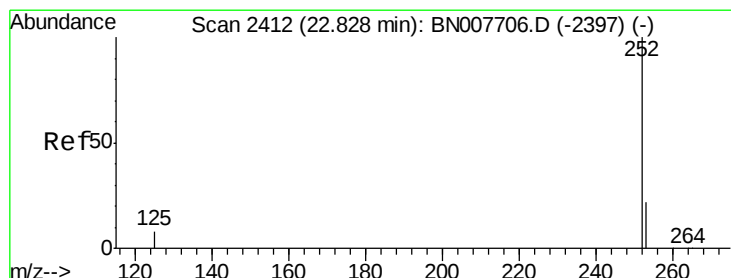
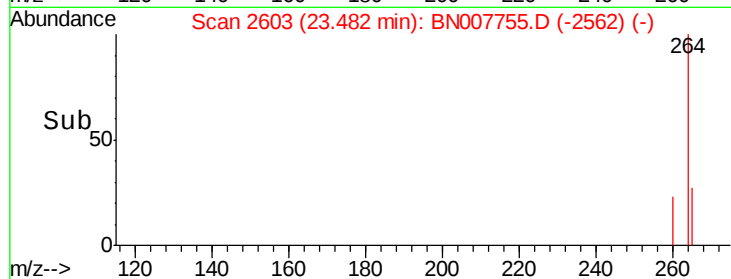
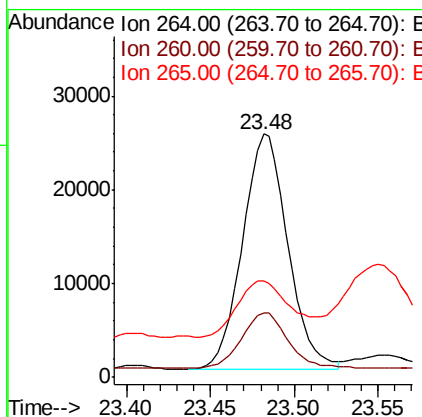
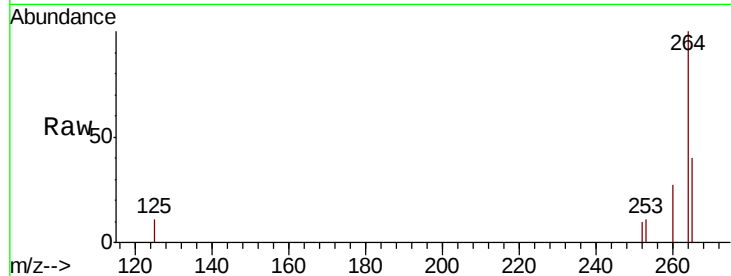
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.48 min Scan# 2603
Delta R.T. -0.01 min
Lab File: BN007755.D
Acq: 19 Sep 2019 23:33

Instrument :
BNA_N
ClientSampleId :
SB-1

Tot Ion:264 Resp: 47470
Ion Ratio Lower Upper
264 100
260 26.7 19.3 28.9
265 39.6 26.9 40.3

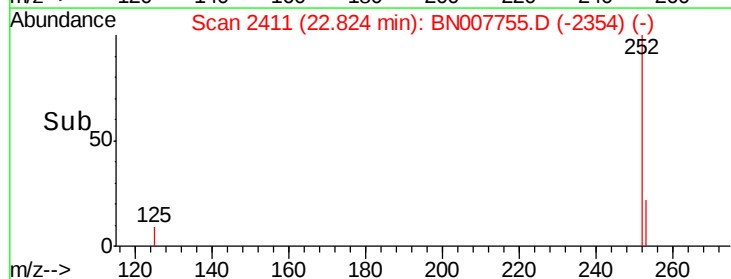
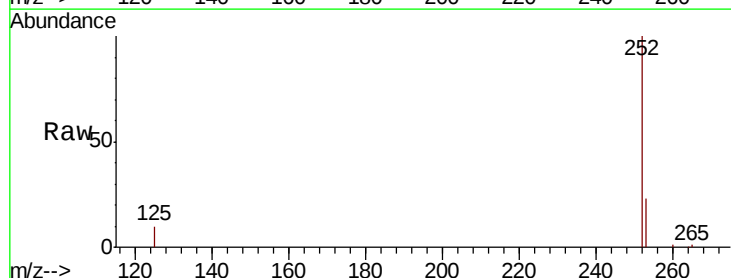
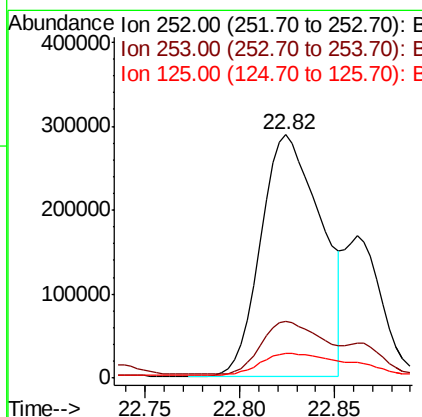
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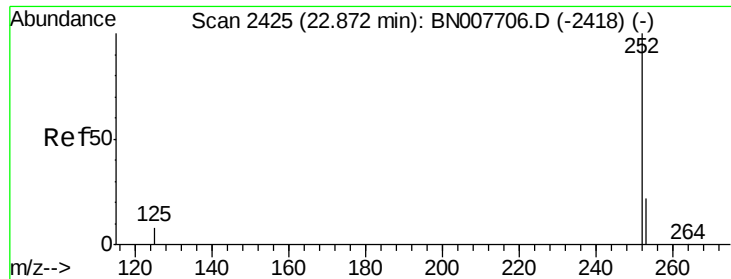
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#35
Benzo(b)fluoranthene
Concen: 3.852 ng
RT: 22.82 min Scan# 2411
Delta R.T. -0.00 min
Lab File: BN007755.D
Acq: 19 Sep 2019 23:33

Tgt Ion:252 Resp: 634832
Ion Ratio Lower Upper
252 100
253 23.4 18.3 27.5
125 10.1 8.2 12.4





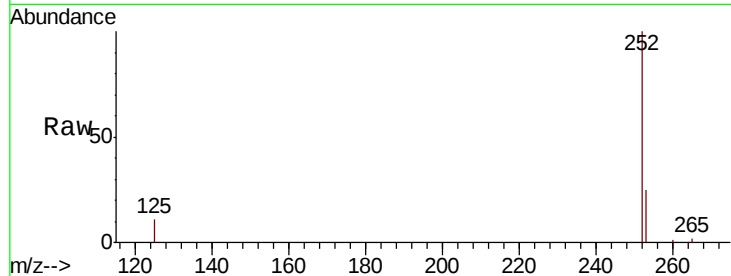
#36
Benzo(k)fluoranthene
Concen: 1.360 ng m
RT: 22.86 min Scan# 2422
Delta R.T. -0.01 min
Lab File: BN007755.D
Acq: 19 Sep 2019 23:33

Instrument :
BNA_N
ClientSampleId :
SB-1

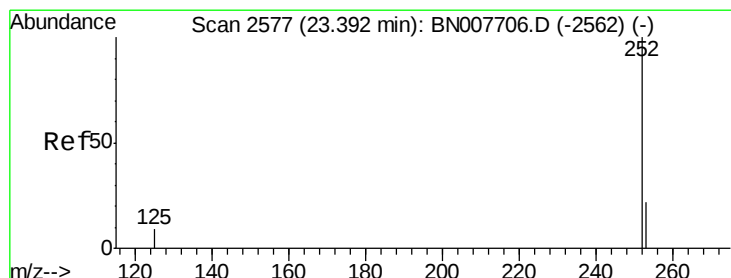
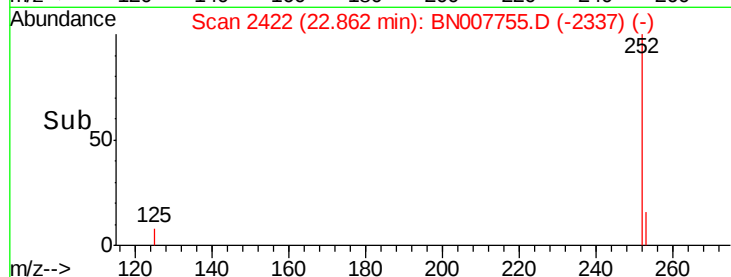
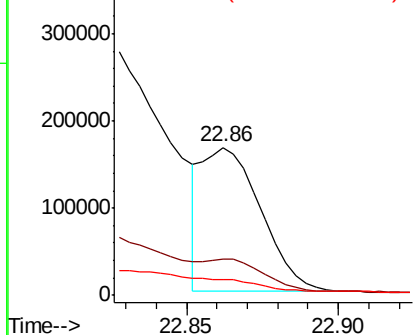
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.5	27.7
125	10.9	8.4	12.6

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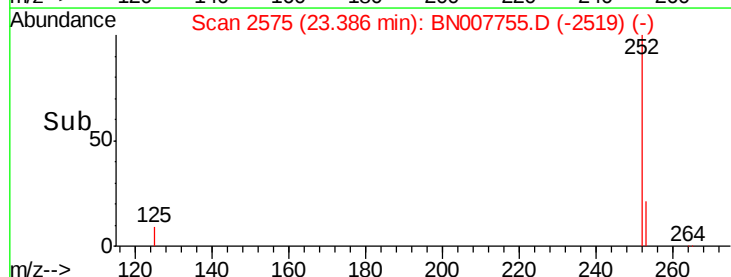
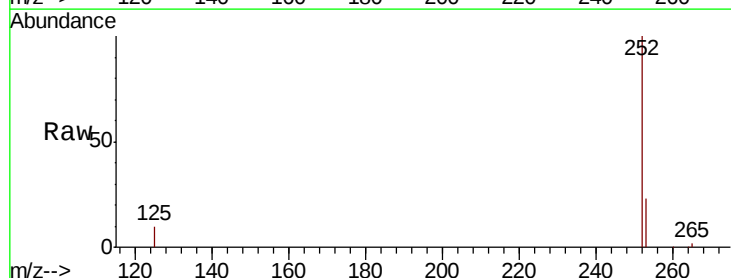
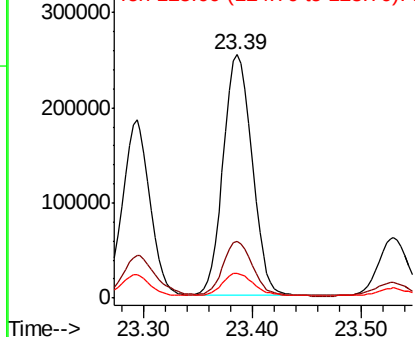
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

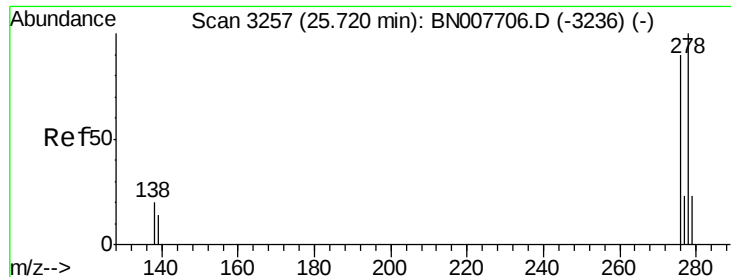


#37
Benzo(a)pyrene
Concen: 3.013 ng
RT: 23.39 min Scan# 2575
Delta R.T. -0.01 min
Lab File: BN007755.D
Acq: 19 Sep 2019 23:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.6	27.8
125	10.3	9.4	14.0

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





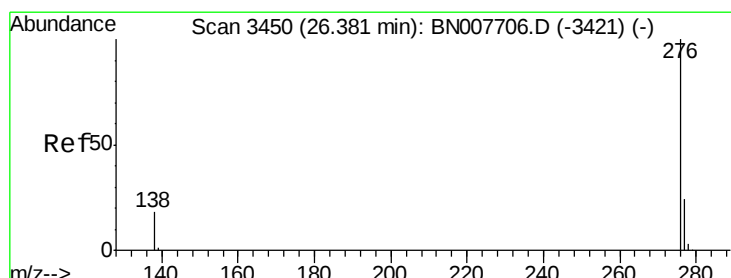
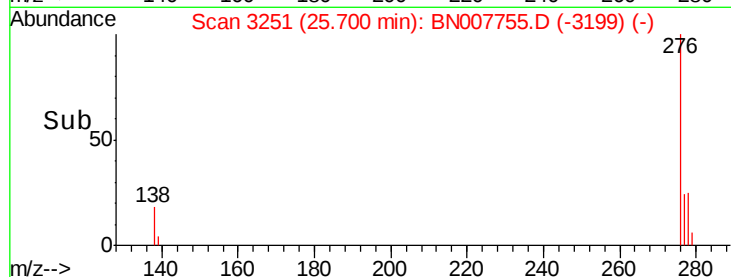
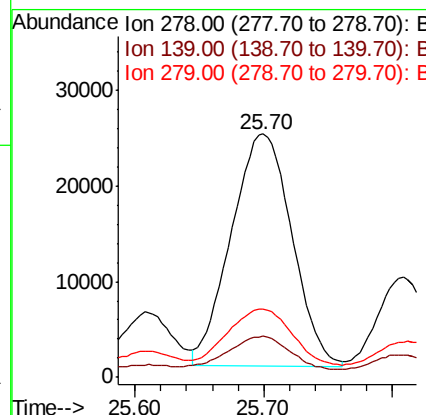
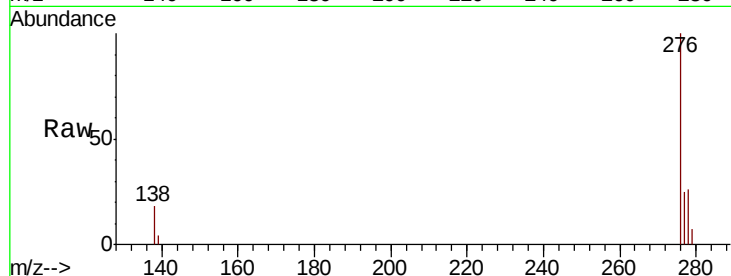
#38
Dibenzo(a,h)anthracene
Concen: 0.505 ng
RT: 25.70 min Scan# 3251
Delta R.T. -0.02 min
Lab File: BN007755.D
Acq: 19 Sep 2019 23:33

Instrument :
BNA_N
ClientSampleId :
SB-1

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.9	11.8	17.6
279	28.1	19.4	29.2

Manual Integrations
APPROVED

mohammad
9/20/2019 1:10:48 PM



#39
Benzo(g,h,i)perylene
Concen: 1.827 ng
RT: 26.37 min Scan# 3446
Delta R.T. -0.01 min
Lab File: BN007755.D
Acq: 19 Sep 2019 23:33

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.8	29.8
138	18.8	15.1	22.7

