

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
 Data File : BN007125.D
 Acq On : 13 Aug 2019 11:07
 Operator : HP/JU
 Sample : K4239-12
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-034-SW094-080519

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:52:59 AM

Quant Time: Aug 13 12:29:04 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 13 12:12:02 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	9092	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	35323	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	20260	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	47119	0.40	ng	0.00
26) Chrysene-d12	21.05	240	45899	0.40	ng	-0.01
32) Perylene-d12	23.16	264	50516	0.40	ng	0.00

System Monitoring Compounds

3) 2-Fluorophenol	5.06	112	6168	0.28	ng	0.00
4) Phenol-d6	6.62	99	8319	0.31	ng	0.00
7) Nitrobenzene-d5	8.56	82	6534	0.23	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	13830	0.21	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	1974	0.18	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	4018	0.14	ng	0.00
24) Fluoranthene-d10	18.87	212	30116	0.18	ng	0.00
28) Terphenyl-d14	19.49	244	22374	0.18	ng	0.00

Target Compounds

						Qvalue
8) Naphthalene	10.24	128	2089	0.021	ng	# 80
11) 2-Methylnaphthalene	11.87	142	1538	0.022	ng	# 81
15) Acenaphthylene	13.79	152	34354	0.324	ng	98
16) Acenaphthene	14.13	154	2878	0.042	ng	94
17) Fluorene	15.13	166	5485	0.054	ng	# 67
22) Phenanthrene	16.87	178	62211	0.441	ng	99
23) Anthracene	16.96	178	16894	0.131	ng	98
25) Fluoranthene	18.90	202	122578	0.679	ng	99
27) Pyrene	19.26	202	167946	1.043	ng	97
29) Benzo(a)anthracene	21.03	228	86493	0.515	ng	# 76
30) Chrysene	21.08	228	91064	0.558	ng	94
31) Indeno(1,2,3-cd)pyrene	25.24	276	47778	0.266	ng	99
33) Benzo(b)fluoranthene	22.54	252	96574	0.558	ng	# 94
34) Benzo(k)fluoranthene	22.58	252	30213m	0.177	ng	
35) Benzo(a)pyrene	23.07	252	74334	0.473	ng	96
36) Dibenzo(a,h)anthracene	25.25	278	13692	0.087	ng	# 64
37) Benzo(a,h,i)perylene	25.87	276	52677	0.327	ng	95

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

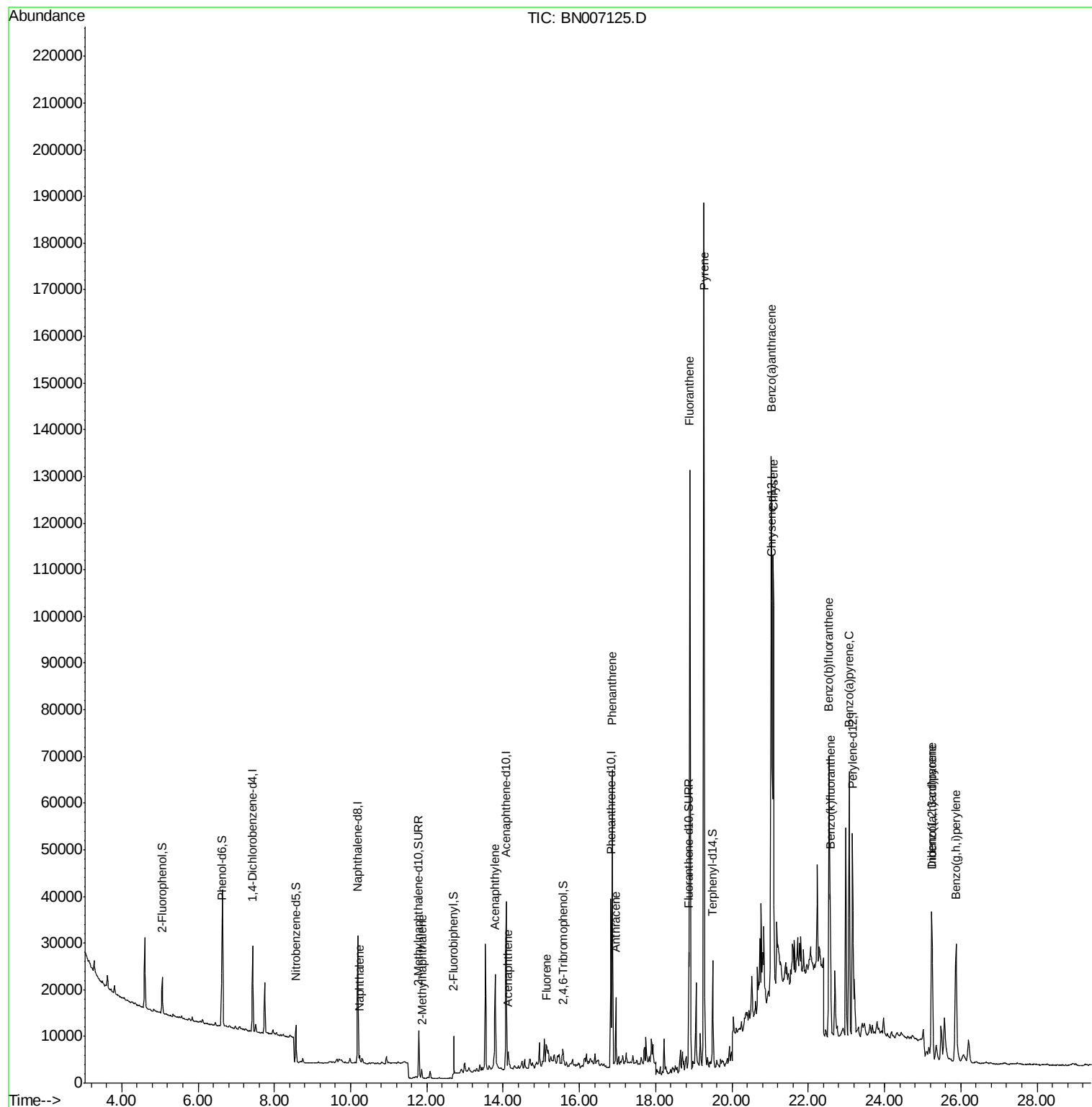
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
Data File : BN007125.D
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
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#1

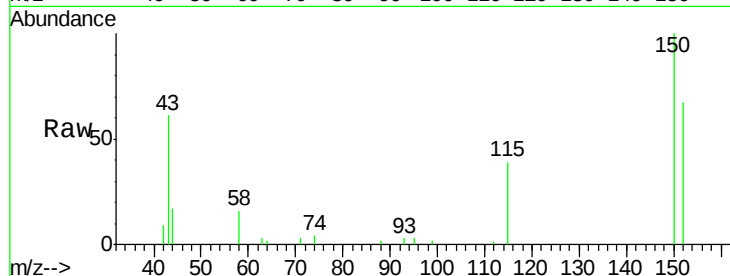
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007125.D
Acq: 13 Aug 2019 11:07

Instrument :
BNA_N
ClientSampleId :
EXT-034-SW094-080519

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.2	121.7	182.5
115	57.8	46.2	69.4

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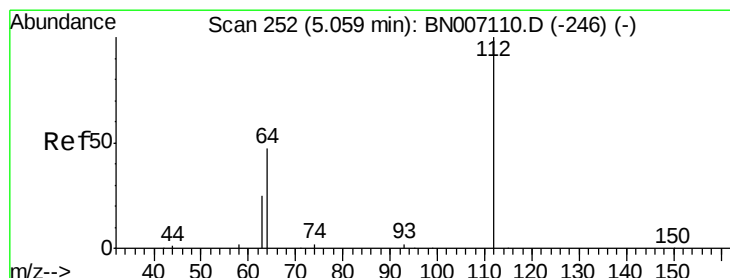
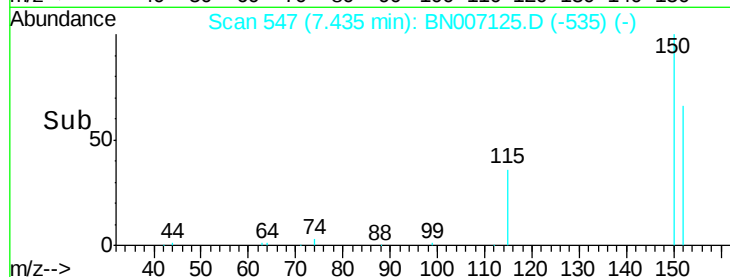
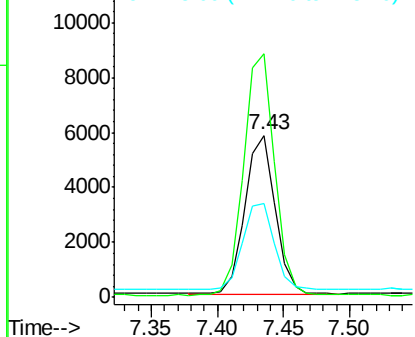


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

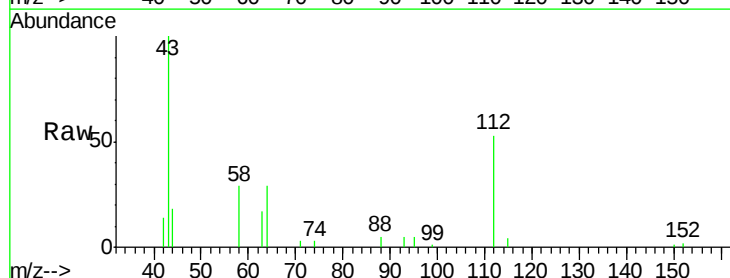
Ion 115.00 (114.70 to 115.70): E



#3

2-Fluorophenol
Concen: 0.282 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007125.D
Acq: 13 Aug 2019 11:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.7	42.6	63.8
63	27.7	22.2	33.2

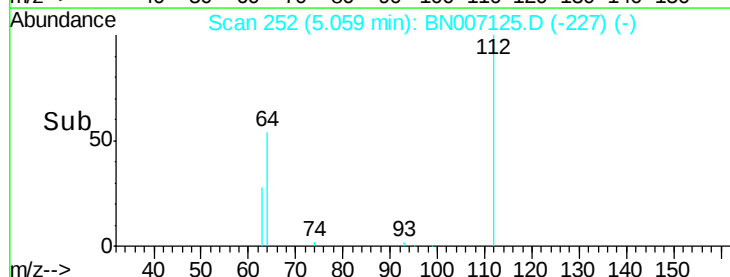
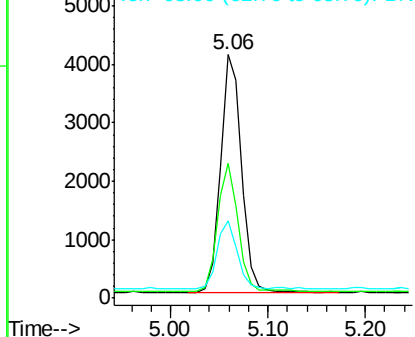


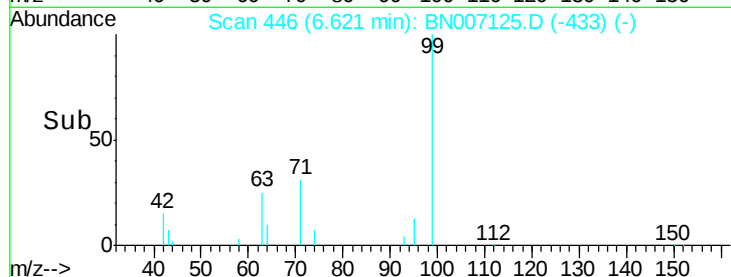
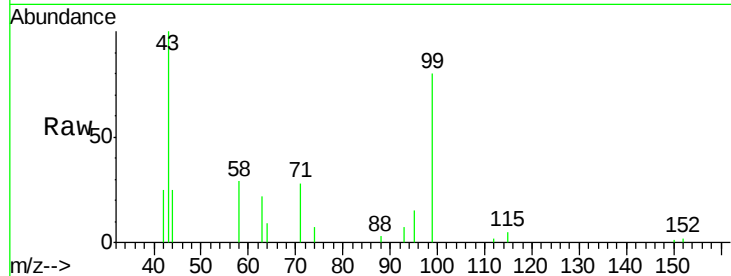
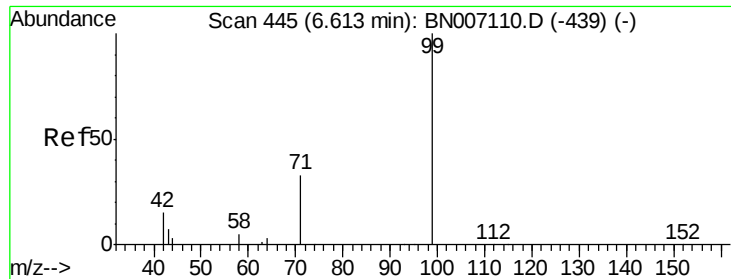
Abundance

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





#4

Phenol-d6

Concen: 0.307 ng

RT: 6.62 min Scan# 446

Delta R.T. 0.01 min

Lab File: BN007125.D

Acq: 13 Aug 2019 11:07

Tot Ion:	99	Resp:	8319
Ion Ratio	Lower	Upper	
99	100		
42	0.0	15.8	23.6#
71	34.5	27.0	40.4

Instrument :

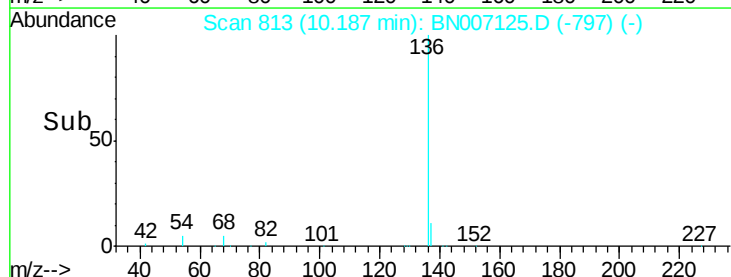
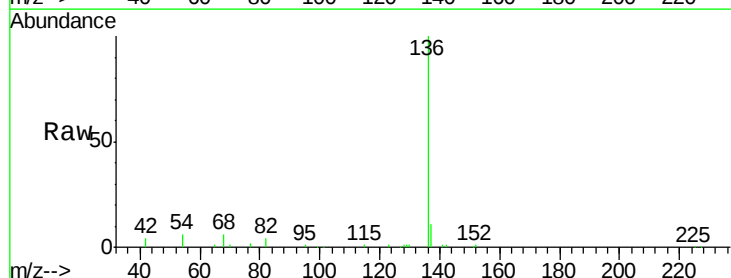
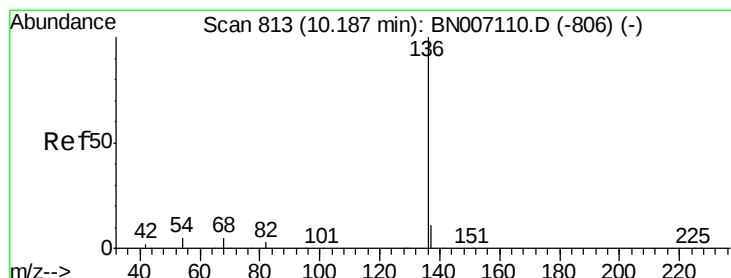
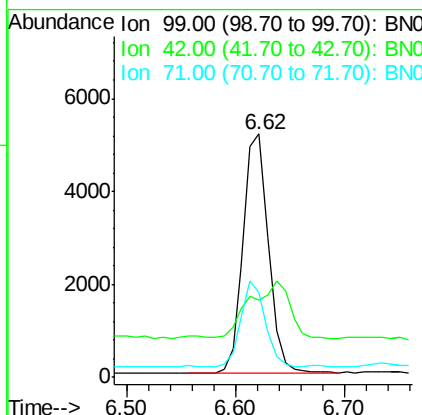
BNA_N

ClientSampleId :

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#6

Naphthalene-d8

Concen: 0.400 ng

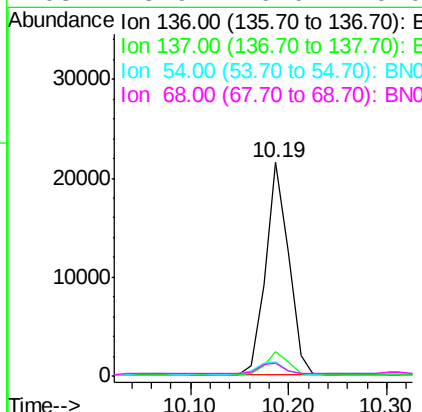
RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007125.D

Acq: 13 Aug 2019 11:07

Tgt Ion:	136	Resp:	35323
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.4	14.0
54	6.3	6.6	9.8#
68	5.9	6.0	9.0#





#7

Nitrobenzene-d5

Concen: 0.229 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007125.D

Acq: 13 Aug 2019 11:07

Instrument :

BNA_N

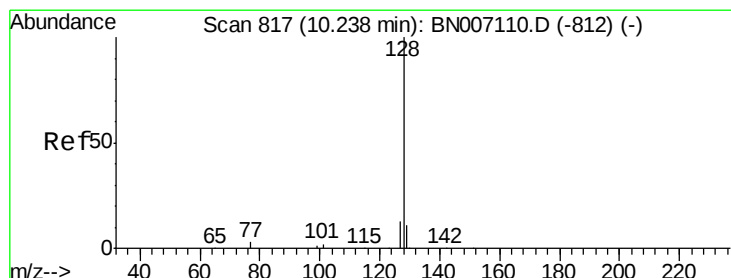
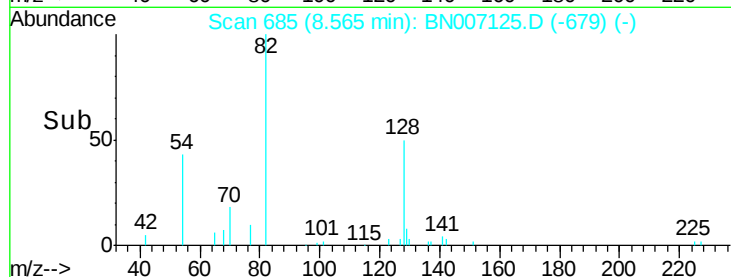
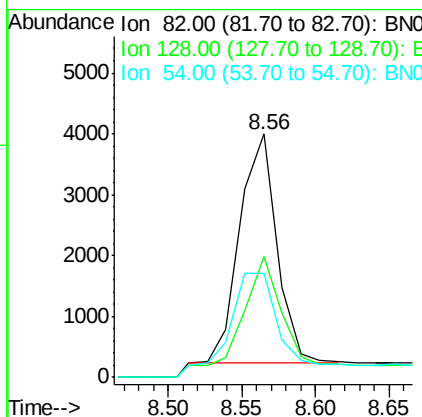
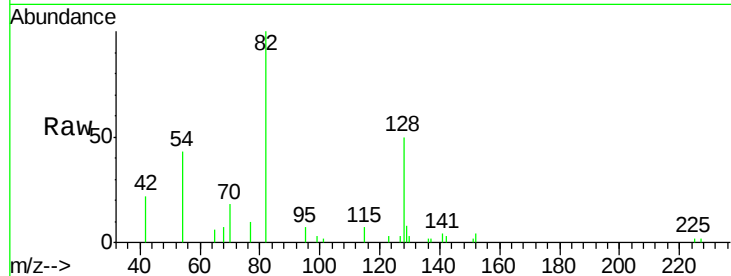
ClientSampleId :

EXT-034-SW094-080519

Tot Ion:	82	Resp:	6534
Ion	Ratio	Lower	Upper
82	100		
128	49.7	34.6	51.8
54	42.6	36.2	54.4

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#8

Naphthalene

Concen: 0.021 ng

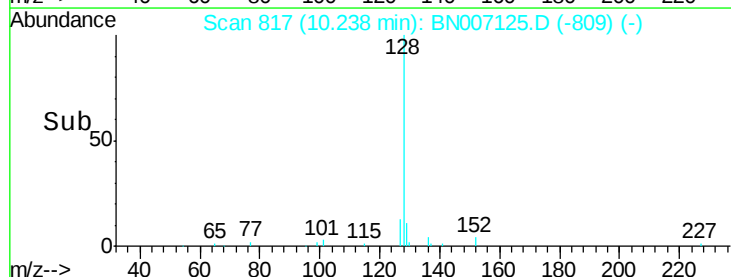
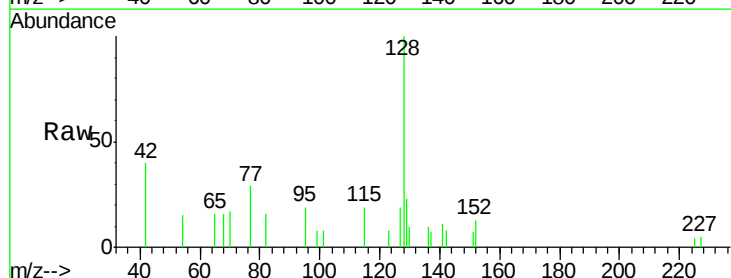
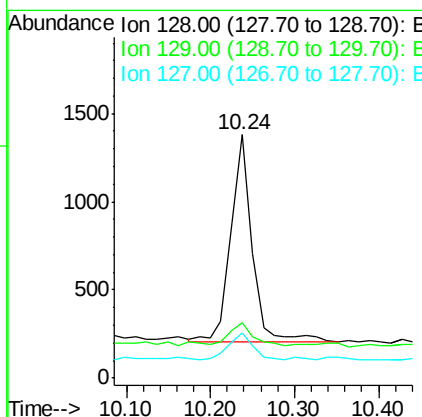
RT: 10.24 min Scan# 817

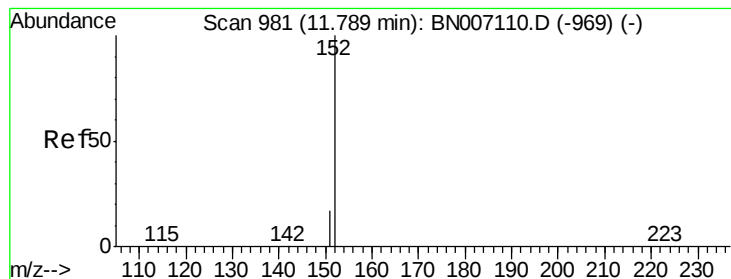
Delta R.T. -0.00 min

Lab File: BN007125.D

Acq: 13 Aug 2019 11:07

Tgt Ion:	128	Resp:	2089
Ion	Ratio	Lower	Upper
128	100		
129	22.8	9.4	14.2#
127	18.8	11.0	16.6#





#10

2-Methylnaphthalene-d10

Concen: 0.210 ng

RT: 11.79 min Scan# 981

Delta R.T. -0.00 min

Lab File: BN007125.D

Acq: 13 Aug 2019 11:07

Instrument :

BNA_N

ClientSampleId :

EXT-034-SW094-080519

Tot Ion:152 Resp: 13830

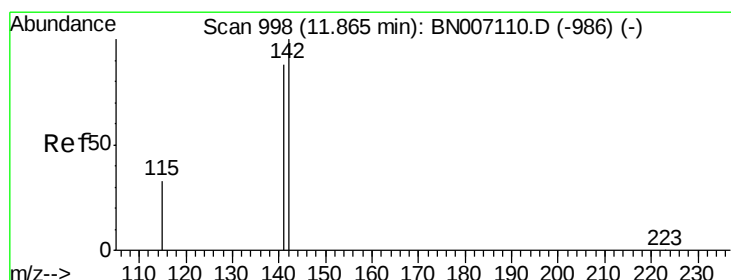
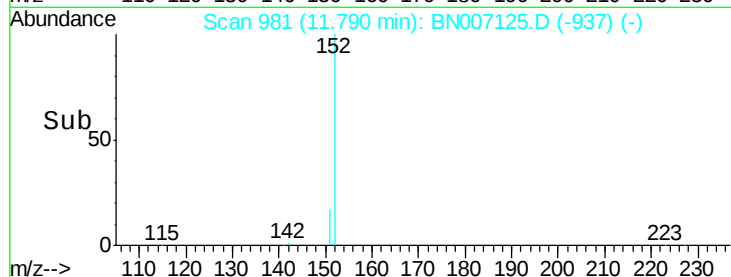
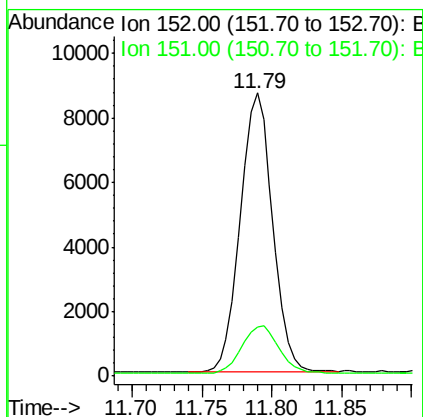
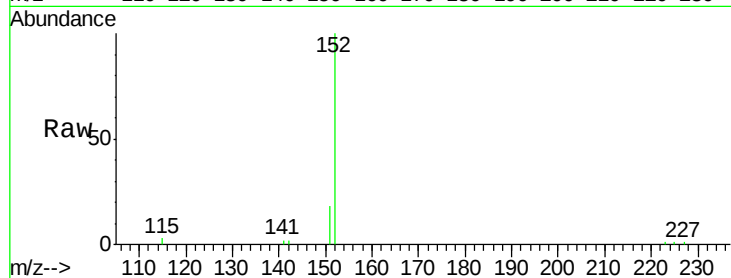
Ion Ratio Lower Upper

152 100

151 19.5 15.5 23.3

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#11

2-Methylnaphthalene

Concen: 0.022 ng

RT: 11.87 min Scan# 998

Delta R.T. -0.00 min

Lab File: BN007125.D

Acq: 13 Aug 2019 11:07

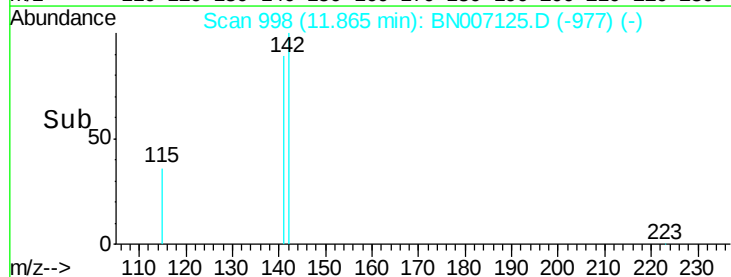
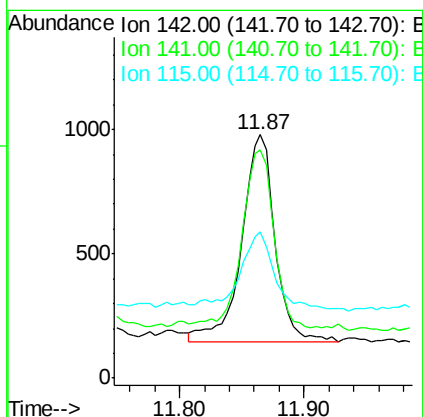
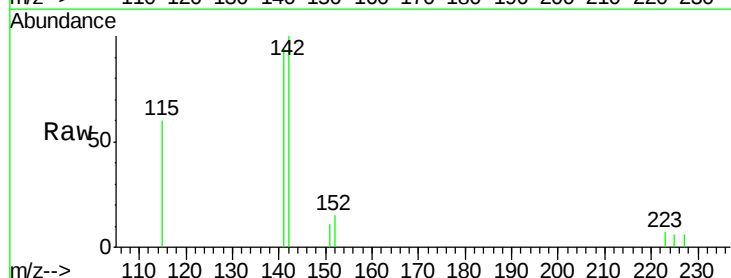
Tgt Ion:142 Resp: 1538

Ion Ratio Lower Upper

142 100

141 94.0 69.0 103.6

115 60.1 27.1 40.7#





#12

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.08 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BN007125.D

Acq: 13 Aug 2019 11:07

Instrument :

BNA_N

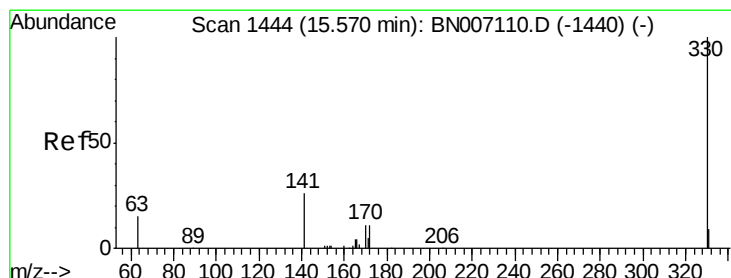
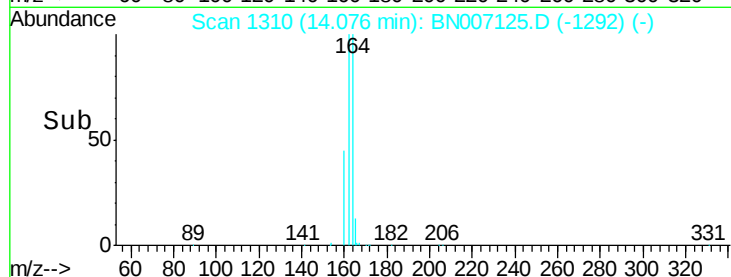
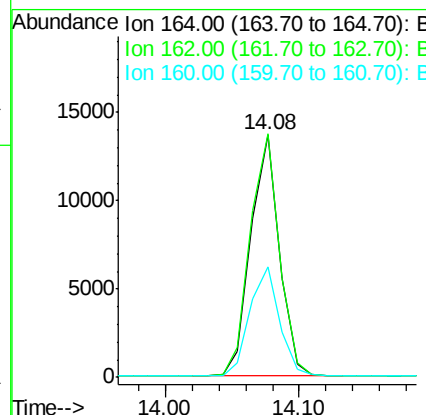
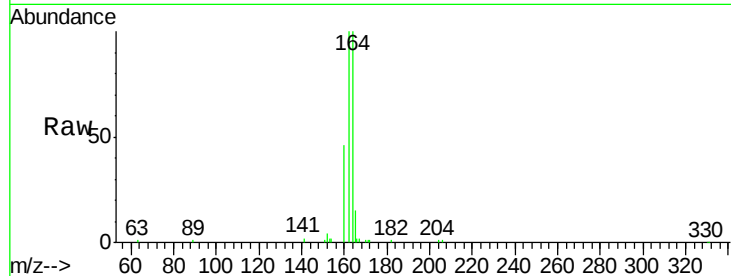
ClientSampleId :

EXT-034-SW094-080519

Tot Ion:	164	Resp:	20260
Ion Ratio	Lower	Upper	
164	100		
162	100.3	82.2	123.4
160	45.7	38.3	57.5

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#13

2,4,6-Tribromophenol

Concen: 0.181 ng

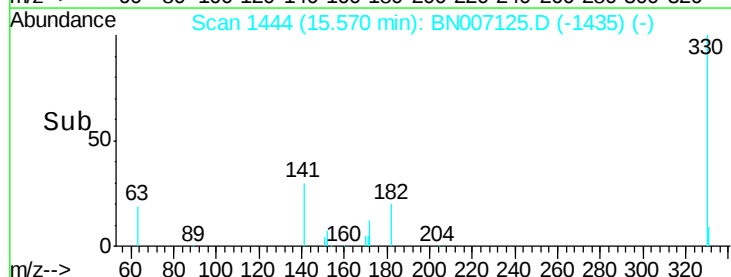
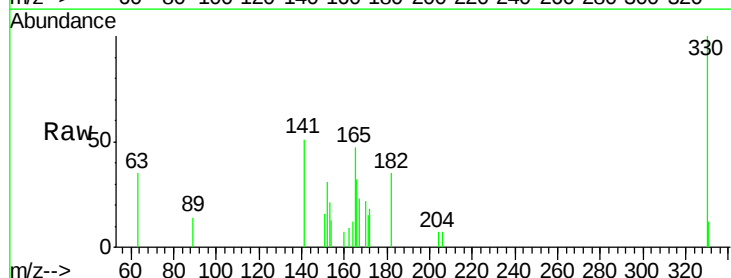
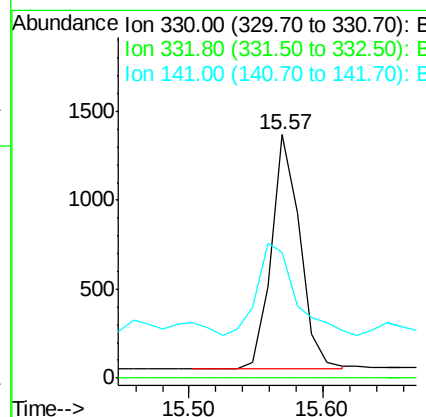
RT: 15.57 min Scan# 1444

Delta R.T. -0.00 min

Lab File: BN007125.D

Acq: 13 Aug 2019 11:07

Tgt Ion:	330	Resp:	1974
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	52.6	33.6	50.4#





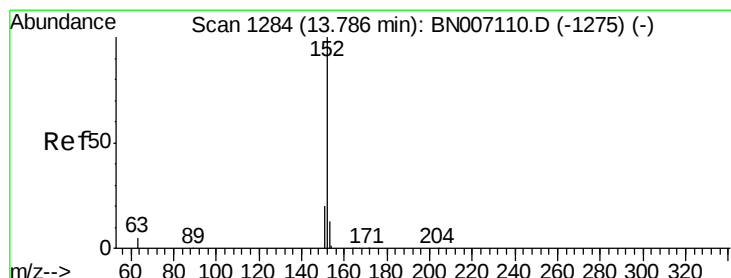
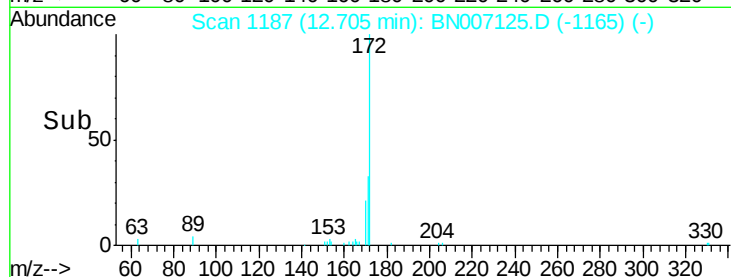
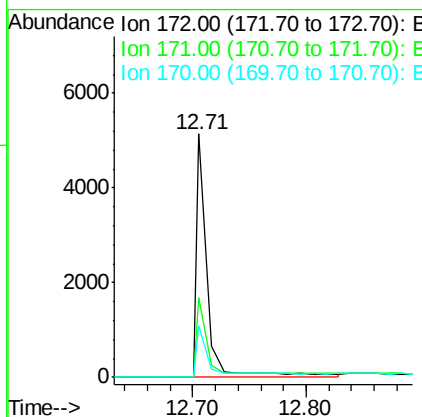
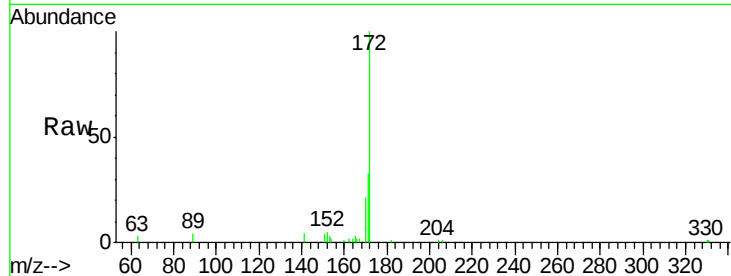
#14
2-Fluorobiphenyl
Concen: 0.136 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007125.D
Acq: 13 Aug 2019 11:07

Instrument :
BNA_N
ClientSampleId :
EXT-034-SW094-080519

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.0	26.3	39.5
170	21.1	17.0	25.4

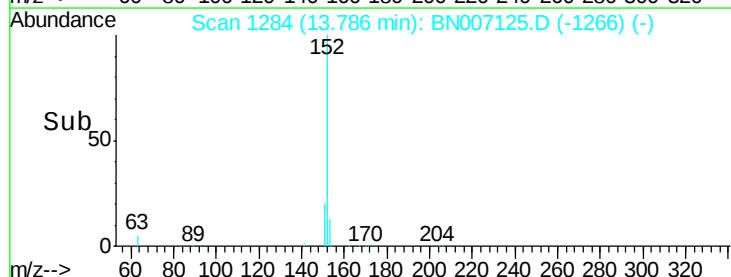
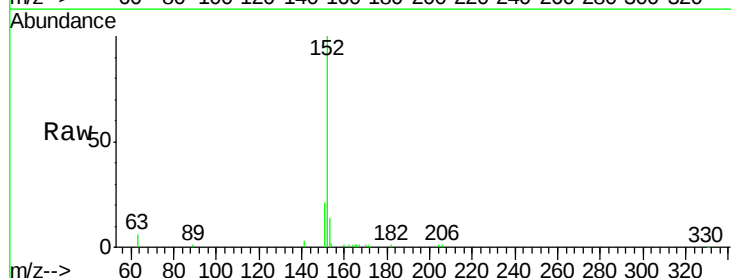
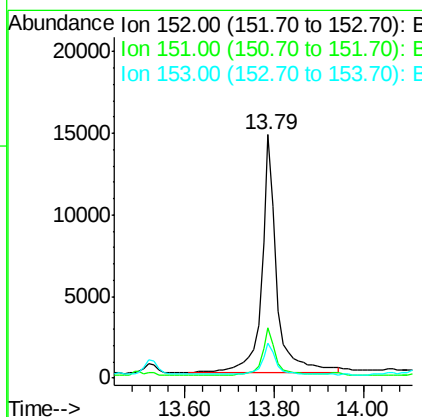
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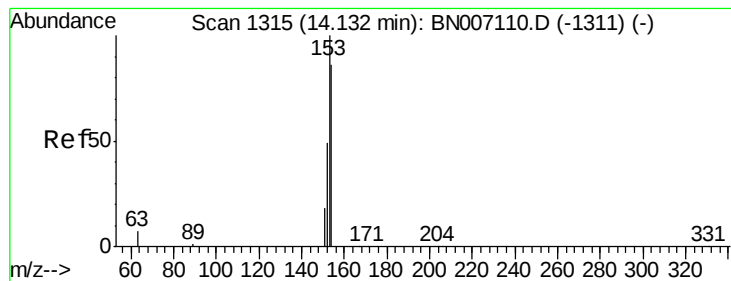
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#15
Acenaphthylene
Concen: 0.324 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007125.D
Acq: 13 Aug 2019 11:07

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.8	23.6
153	12.2	10.4	15.6





#16

Acenaphthene

Concen: 0.042 ng

RT: 14.13 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BN007125.D

Acq: 13 Aug 2019 11:07

Instrument :

BNA_N

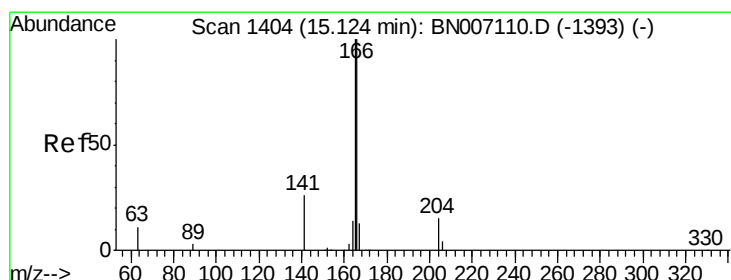
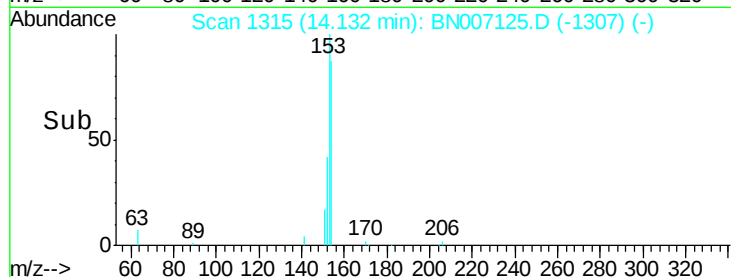
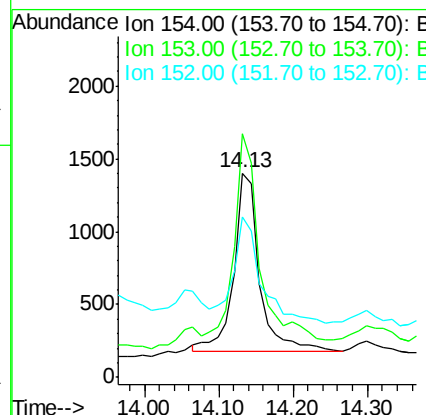
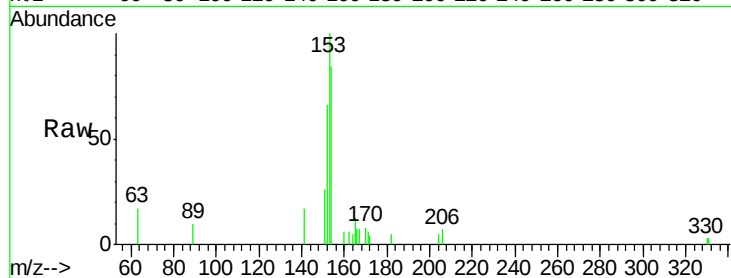
ClientSampleId :

EXT-034-SW094-080519

Tot Ion:	154	Resp:	2878
Ion	Ratio	Lower	Upper
154	100		
153	114.0	89.5	134.3
152	65.8	44.8	67.2

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#17

Fluorene

Concen: 0.054 ng

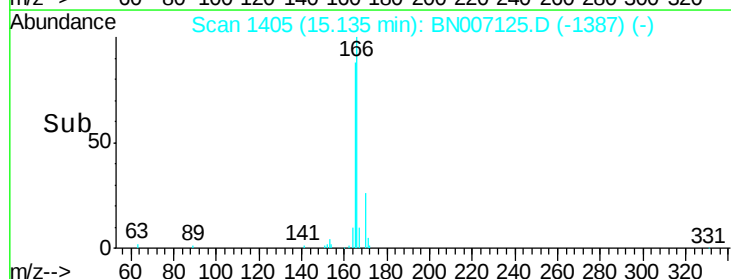
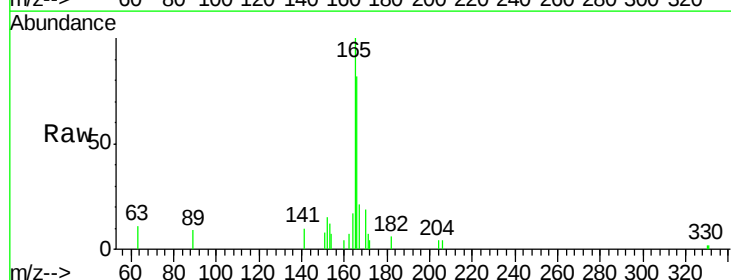
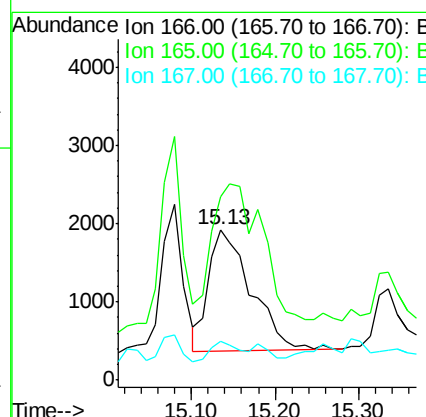
RT: 15.13 min Scan# 1405

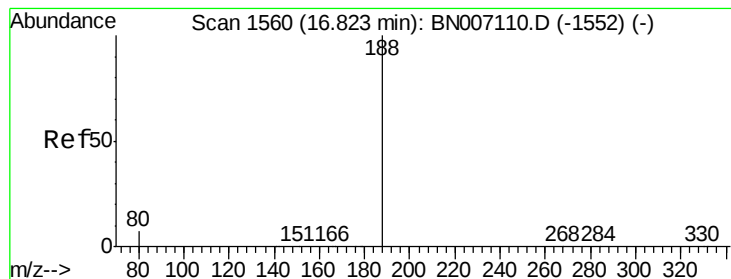
Delta R.T. -0.00 min

Lab File: BN007125.D

Acq: 13 Aug 2019 11:07

Tgt Ion:	166	Resp:	5485
Ion	Ratio	Lower	Upper
166	100		
165	133.7	77.9	116.9#
167	11.3	10.9	16.3





#18

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.82 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BN007125.D

Acq: 13 Aug 2019 11:07

Instrument :

BNA_N

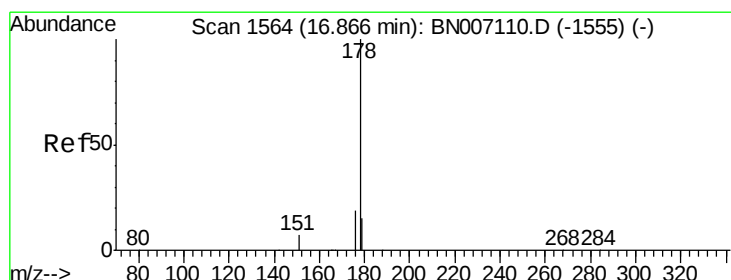
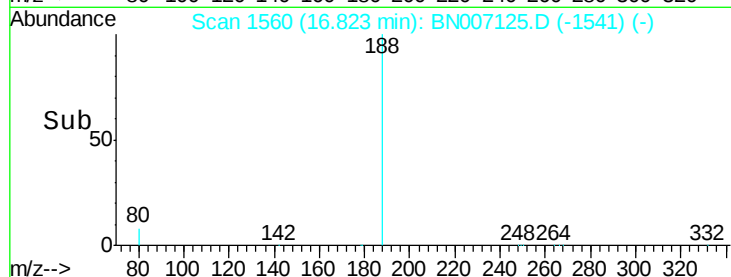
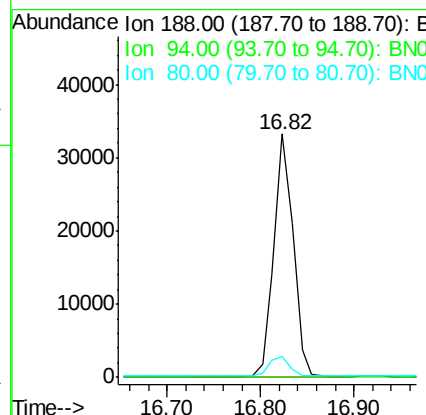
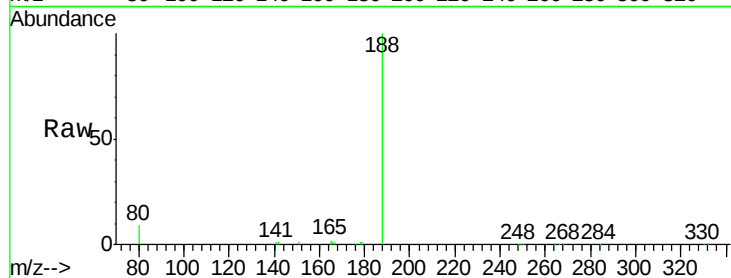
ClientSampleId :

EXT-034-SW094-080519

Tot Ion:	188	Resp:	47119
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	8.7	7.8	11.6

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#22

Phenanthrene

Concen: 0.441 ng

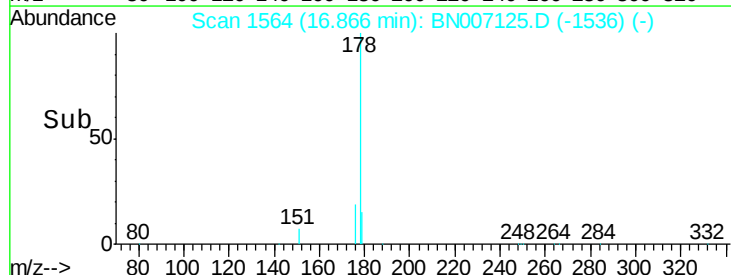
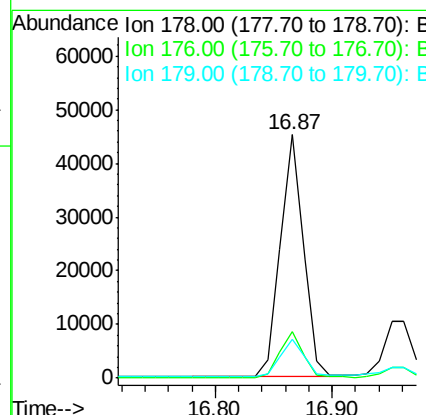
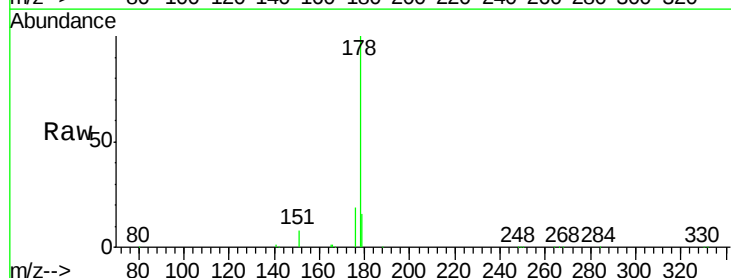
RT: 16.87 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BN007125.D

Acq: 13 Aug 2019 11:07

Tgt Ion:	178	Resp:	62211
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.2	22.8
179	16.3	12.3	18.5





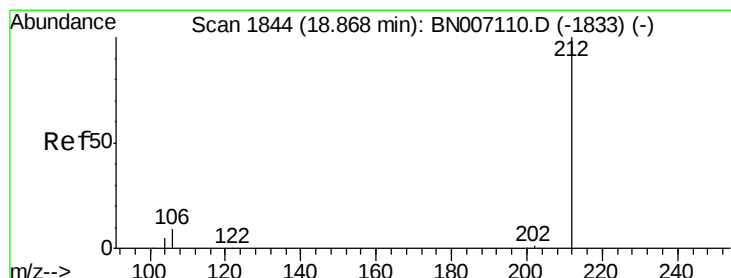
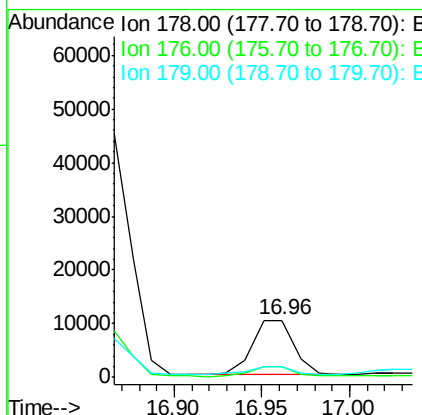
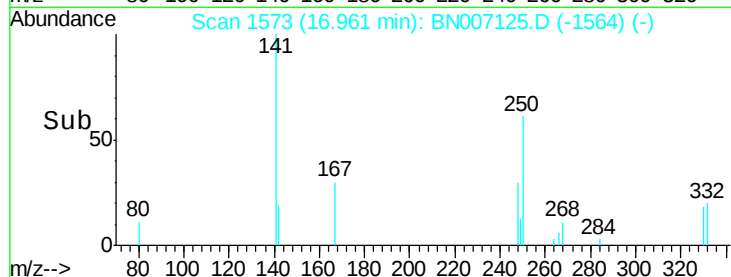
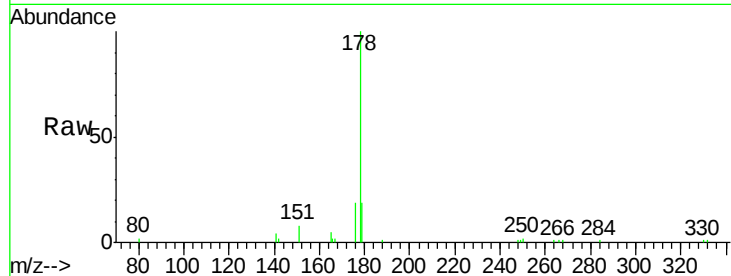
#23
 Anthracene
 Concen: 0.131 ng
 RT: 16.96 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: BN007125.D
 Acq: 13 Aug 2019 11:07

Instrument :
 BNA_N
 ClientSampleId :
 EXT-034-SW094-080519

Tot Ion:	178	Resp:	16894
Ion Ratio	Lower	Upper	
178	100		
176	18.4	14.6	21.8
179	17.2	12.5	18.7

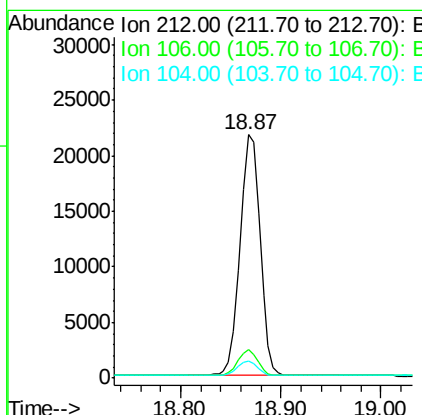
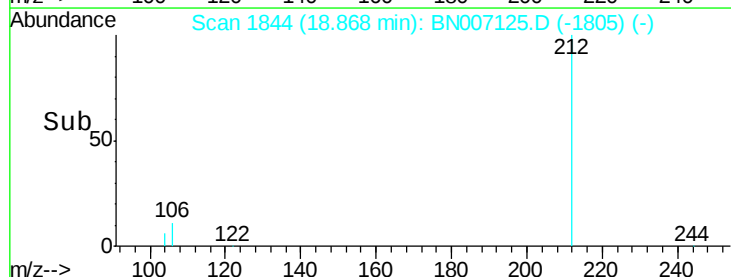
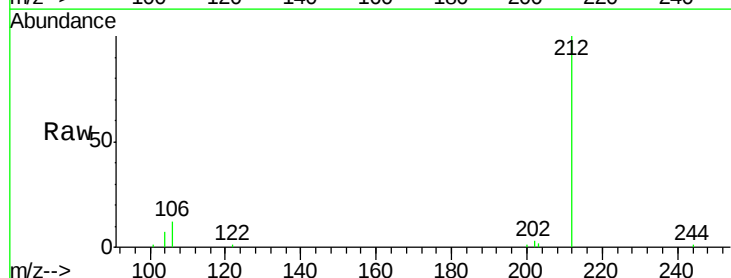
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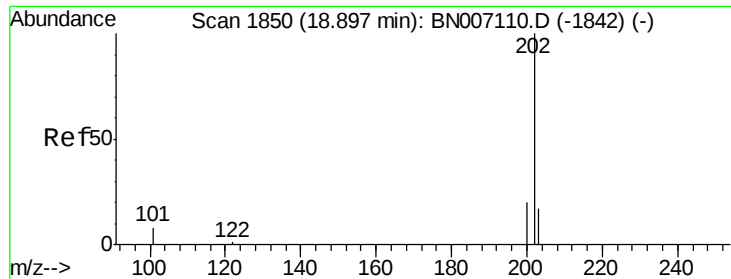
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#24
 Fluoranthene-d10
 Concen: 0.180 ng
 RT: 18.87 min Scan# 1844
 Delta R.T. -0.01 min
 Lab File: BN007125.D
 Acq: 13 Aug 2019 11:07

Tgt Ion:	212	Resp:	30116
Ion Ratio	Lower	Upper	
212	100		
106	10.4	8.2	12.2
104	6.2	4.5	6.7





#25

Fluoranthene

Concen: 0.679 ng

RT: 18.90 min Scan# 1851

Delta R.T. -0.00 min

Lab File: BN007125.D

Acq: 13 Aug 2019 11:07

Instrument :

BNA_N

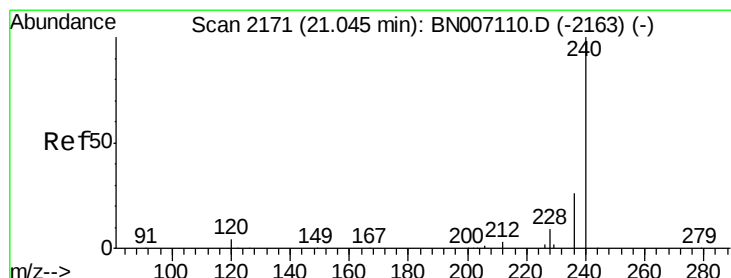
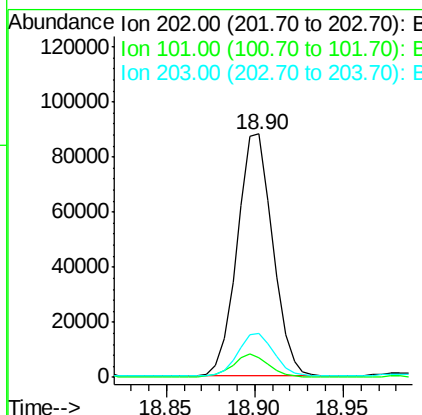
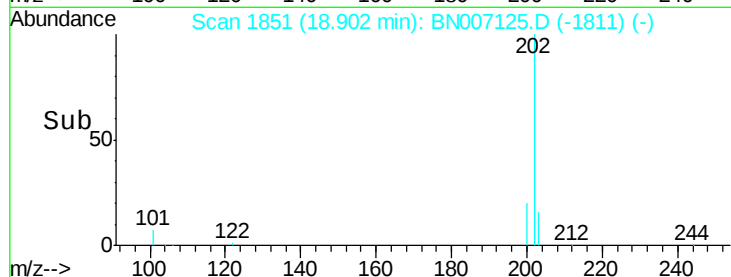
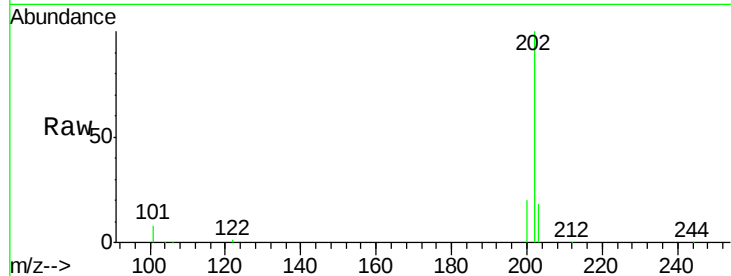
ClientSampleId :

EXT-034-SW094-080519

Tot Ion:	202	Resp:	122578
Ion Ratio	Lower	Upper	
202	100		
101	8.9	7.0	10.4
203	17.7	13.8	20.8

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#26

Chrysene-d12

Concen: 0.400 ng

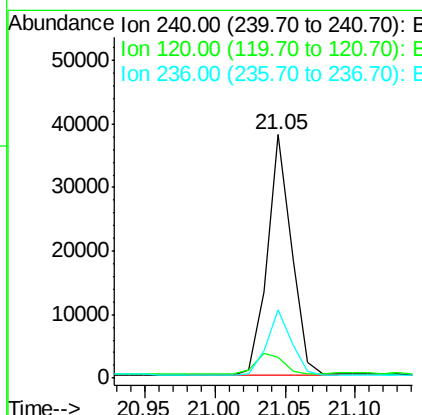
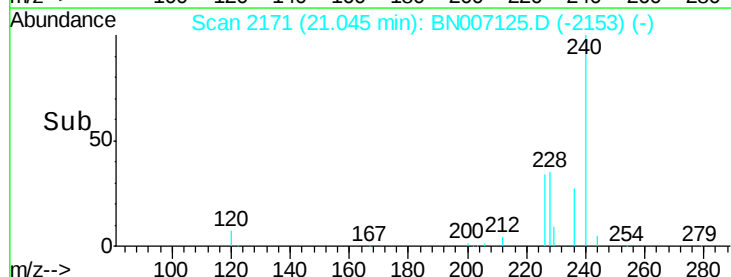
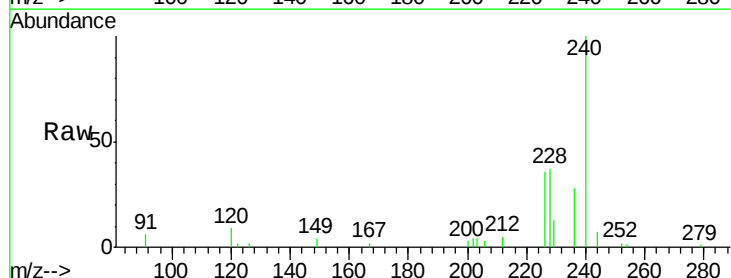
RT: 21.05 min Scan# 2171

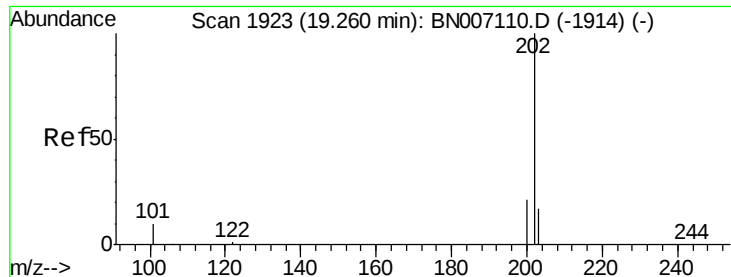
Delta R.T. -0.01 min

Lab File: BN007125.D

Acq: 13 Aug 2019 11:07

Tgt Ion:	240	Resp:	45899
Ion Ratio	Lower	Upper	
240	100		
120	8.5	4.0	6.0#
236	27.9	21.3	31.9





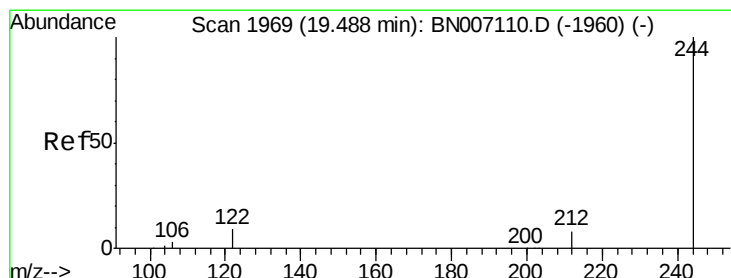
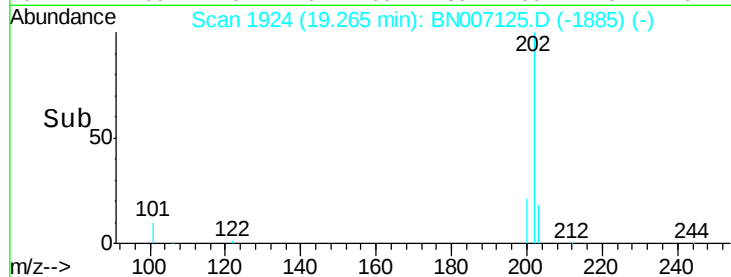
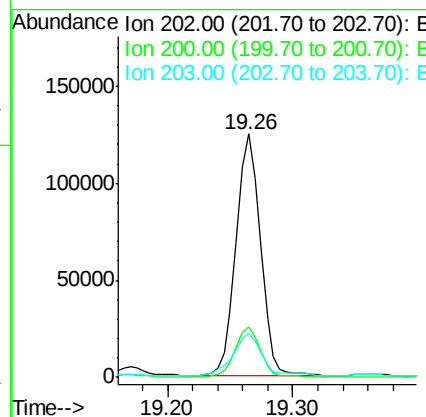
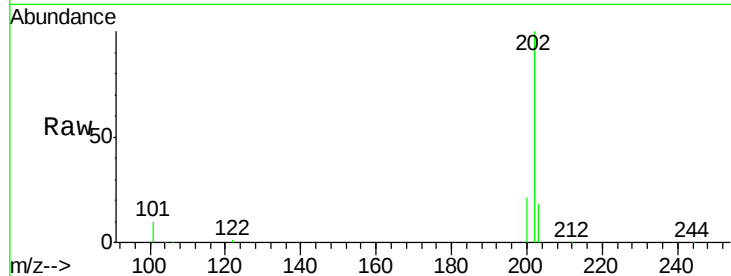
#27
Pvrene
Concen: 1.043 ng
RT: 19.26 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BN007125.D
Acq: 13 Aug 2019 11:07

Instrument :
BNA_N
ClientSampleId :
EXT-034-SW094-080519

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.8	16.6	24.8
203	20.3	14.0	21.0

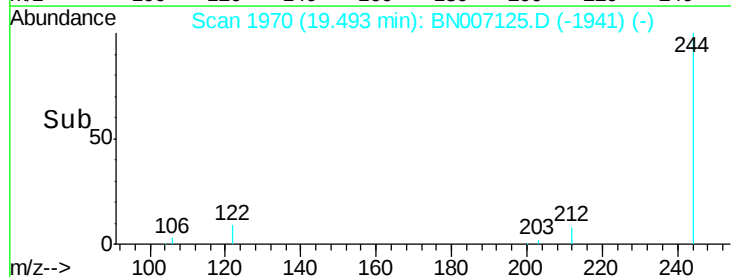
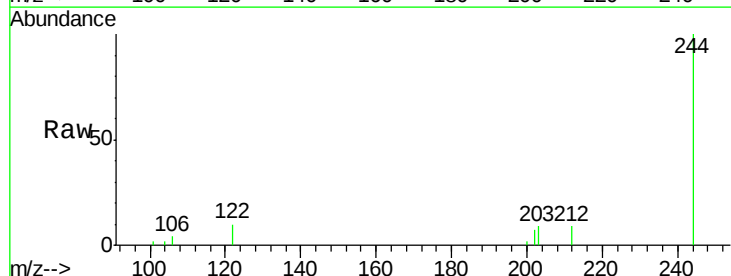
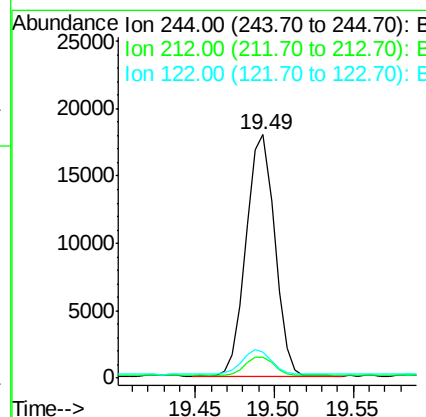
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#28
Terphenyl-d14
Concen: 0.179 ng
RT: 19.49 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BN007125.D
Acq: 13 Aug 2019 11:07

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	8.6	6.2	9.2
122	10.5	7.4	11.2





#29

Benzo(a)anthracene

Concen: 0.515 ng

RT: 21.03 min Scan# 2170

Delta R.T. -0.00 min

Lab File: BN007125.D

Acq: 13 Aug 2019 11:07

Instrument :

BNA_N

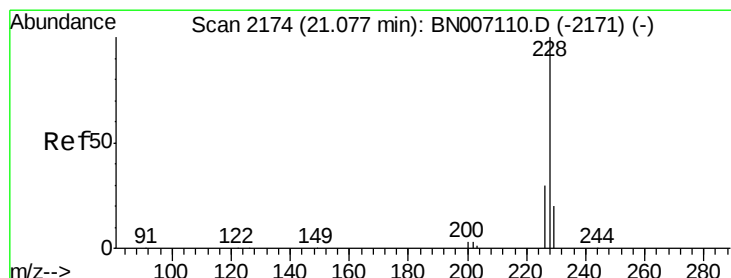
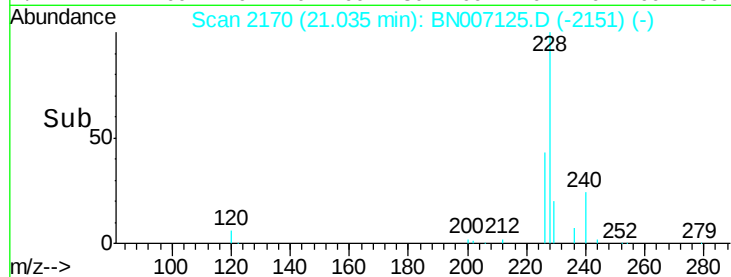
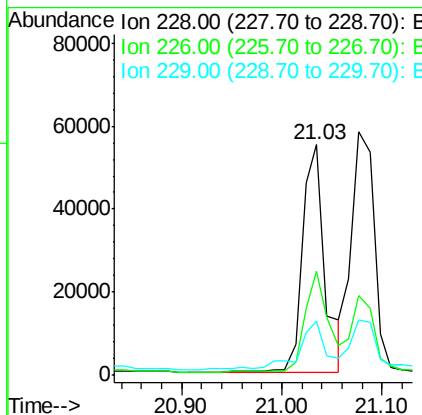
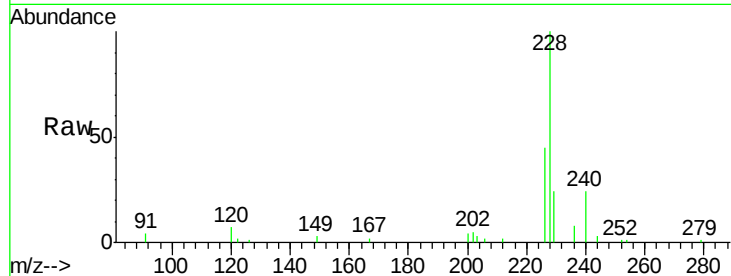
ClientSampleId :

EXT-034-SW094-080519

Tot Ion:	228	Resp:	86493
Ion Ratio	Lower	Upper	
228	100		
226	45.0	21.8	32.6#
229	23.5	15.6	23.4#

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#30

Chrysene

Concen: 0.558 ng

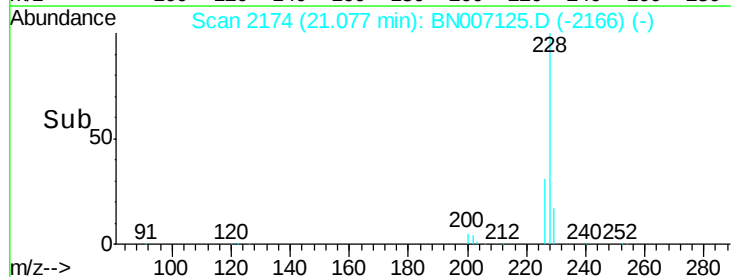
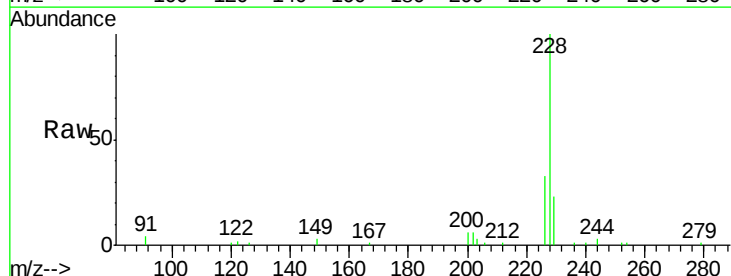
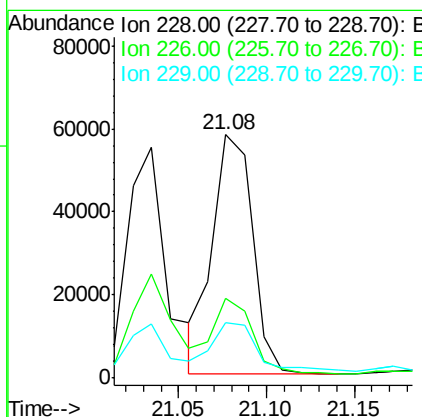
RT: 21.08 min Scan# 2174

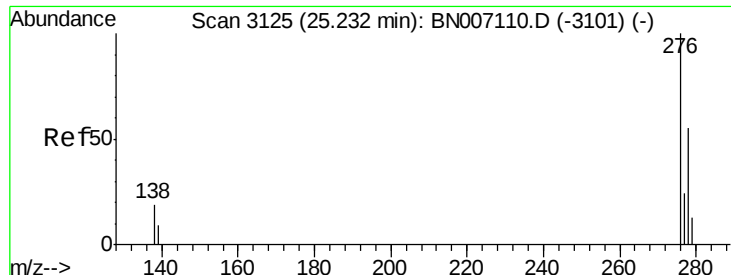
Delta R.T. -0.01 min

Lab File: BN007125.D

Acq: 13 Aug 2019 11:07

Tgt Ion:	228	Resp:	91064
Ion Ratio	Lower	Upper	
228	100		
226	32.7	23.8	35.6
229	22.6	15.7	23.5





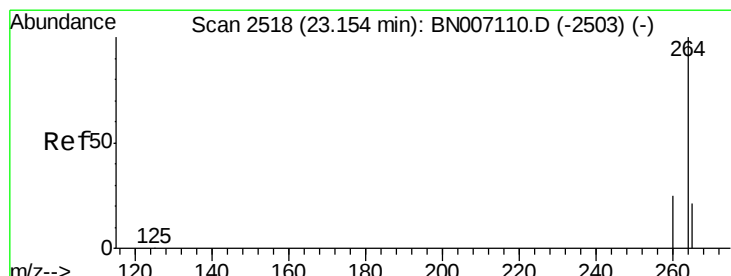
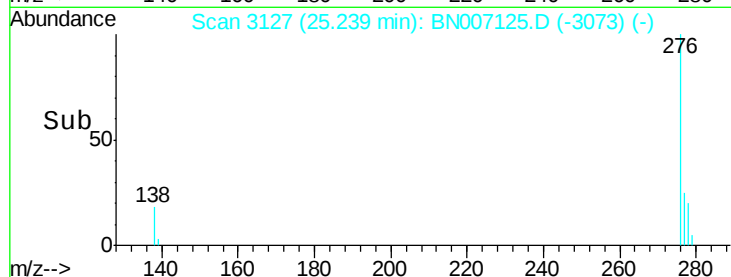
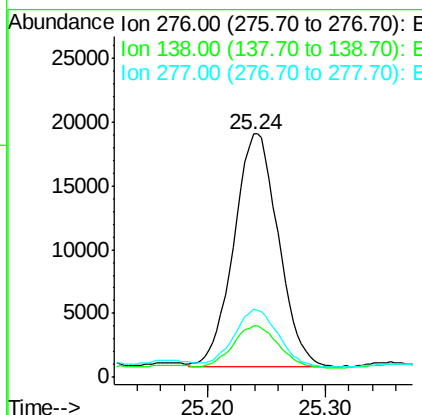
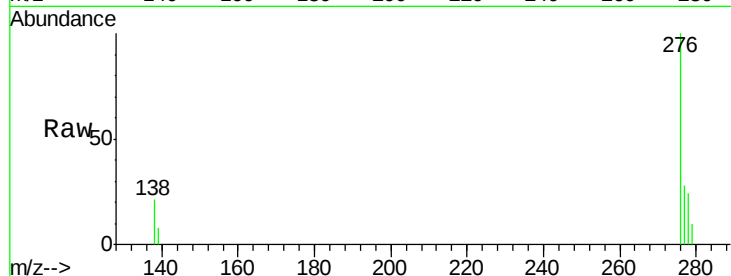
#31
Indeno(1,2,3-cd)pyrene
Concen: 0.266 ng
RT: 25.24 min Scan# 3127
Delta R.T. -0.01 min
Lab File: BN007125.D
Acq: 13 Aug 2019 11:07

Instrument :
BNA_N
ClientSampleId :
EXT-034-SW094-080519

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.6	16.0	24.0
277	24.8	19.9	29.9

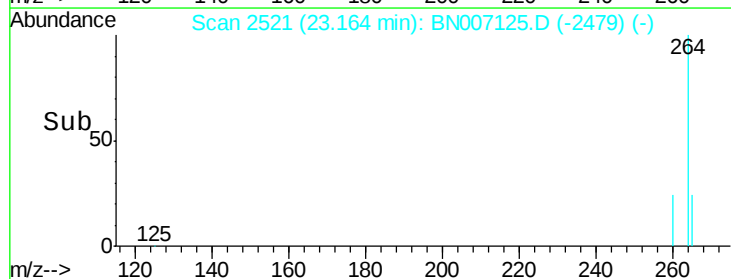
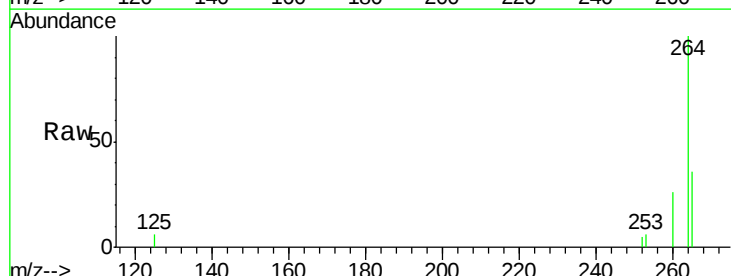
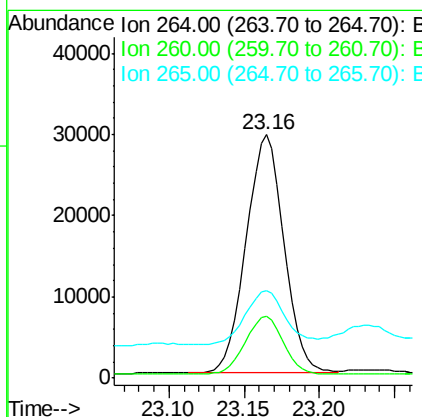
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#32
Perylene-d12
Concen: 0.400 ng
RT: 23.16 min Scan# 2521
Delta R.T. -0.01 min
Lab File: BN007125.D
Acq: 13 Aug 2019 11:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.6	19.8	29.8
265	36.1	26.2	39.4





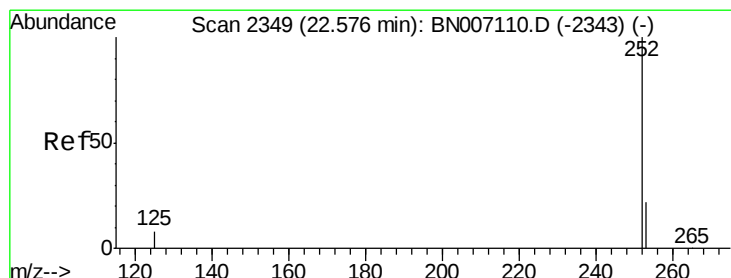
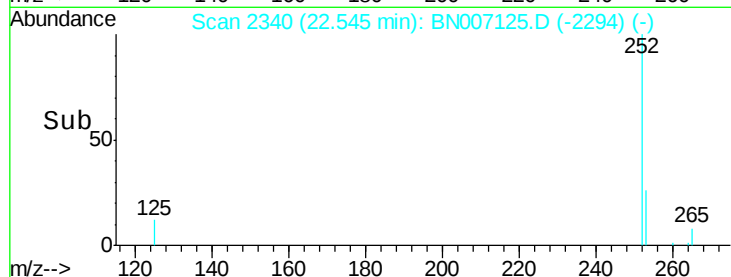
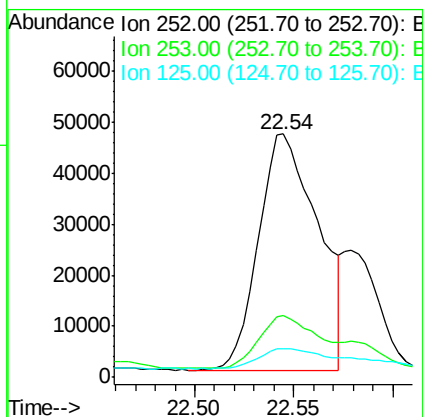
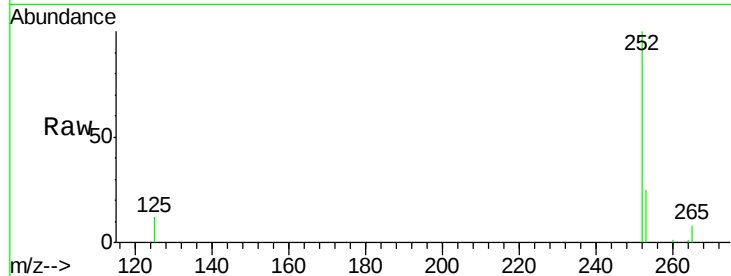
#33
Benzo(b)fluoranthene
Concen: 0.558 ng
RT: 22.54 min Scan# 2340
Delta R.T. -0.00 min
Lab File: BN007125.D
Acq: 13 Aug 2019 11:07

Instrument :
BNA_N
ClientSampleId :
EXT-034-SW094-080519

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.2	27.2
125	11.8	7.4	11.0

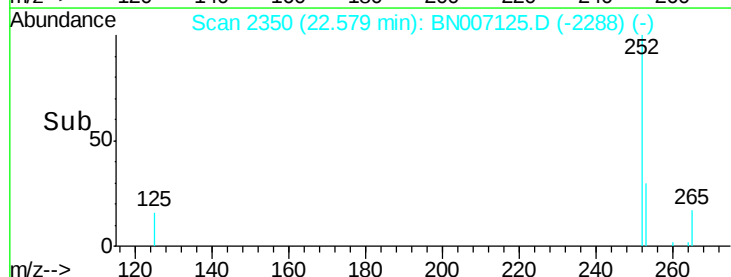
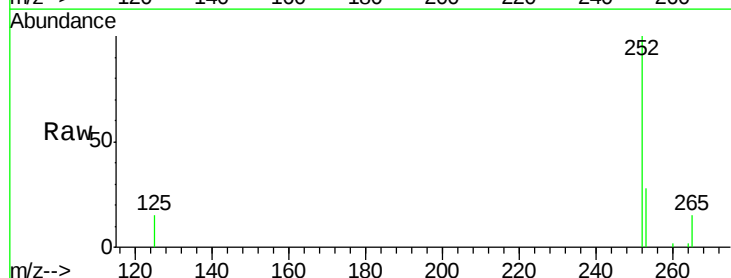
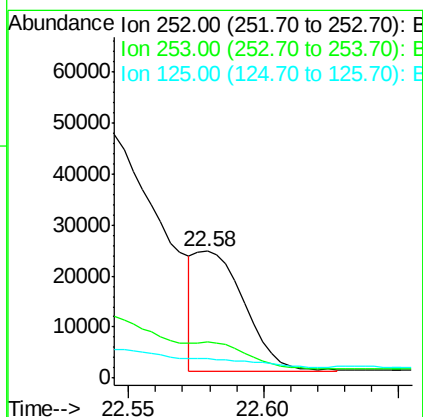
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#34
Benzo(k)fluoranthene
Concen: 0.177 ng m
RT: 22.58 min Scan# 2350
Delta R.T. -0.01 min
Lab File: BN007125.D
Acq: 13 Aug 2019 11:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.4	18.1	27.1
125	15.1	7.4	11.0





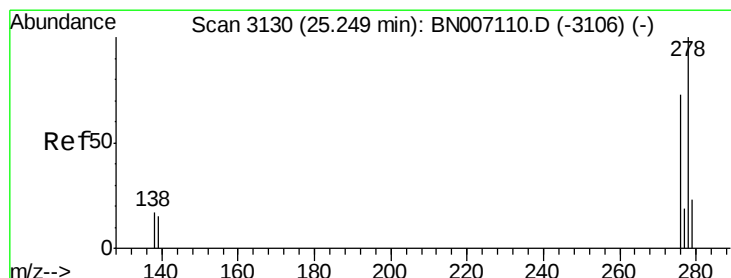
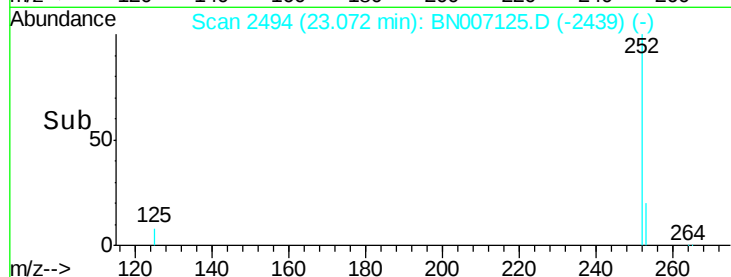
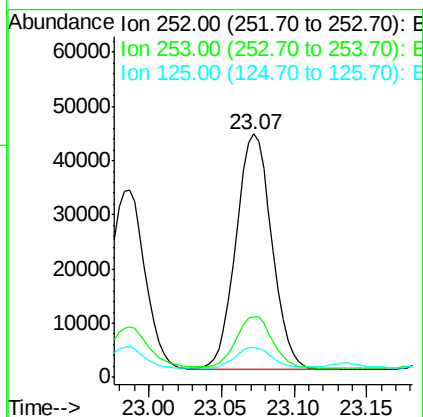
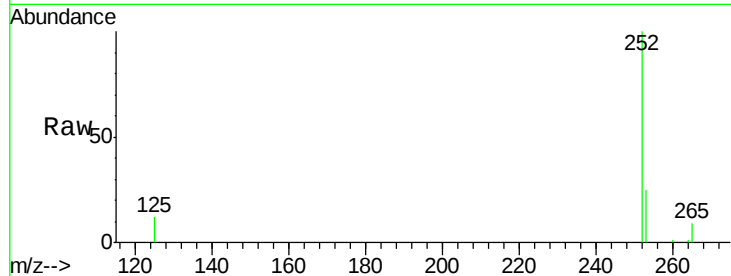
#35
Benzo(a)pyrene
Concen: 0.473 ng
RT: 23.07 min Scan# 2494
Delta R.T. -0.01 min
Lab File: BN007125.D
Acq: 13 Aug 2019 11:07

Instrument :
BNA_N
ClientSampleId :
EXT-034-SW094-080519

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.5	27.7
125	12.1	8.2	12.4

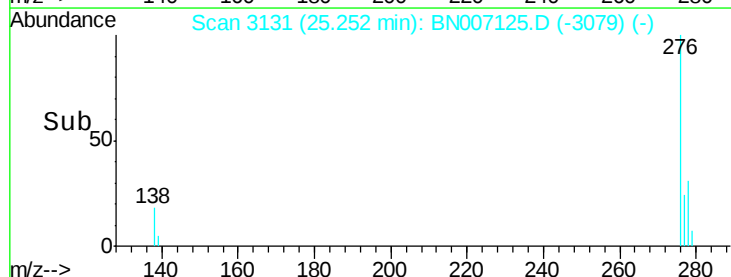
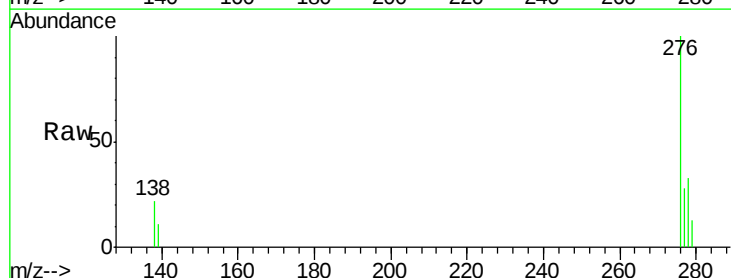
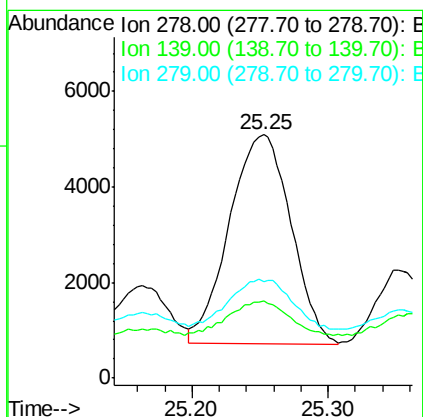
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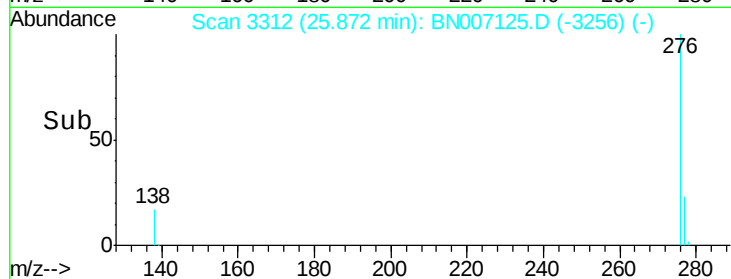
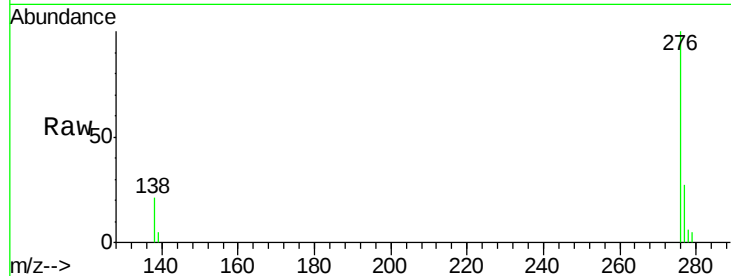
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#36
Dibenzo(a,h)anthracene
Concen: 0.087 ng
RT: 25.25 min Scan# 3131
Delta R.T. -0.02 min
Lab File: BN007125.D
Acq: 13 Aug 2019 11:07

Tgt Ion	Ratio	Lower	Upper
278	100		
139	31.9	11.3	16.9#
279	39.5	19.3	28.9#





#37
 Benzo(a,h,i)perylene
 Concen: 0.327 ng
 RT: 25.87 min Scan# 3312
 Delta R.T. -0.01 min
 Lab File: BN007125.D
 Acq: 13 Aug 2019 11:07

Tot Ion:	276	Resp:	52677
Ion Ratio	Lower	Upper	
276	100		
277	26.9	19.8	29.8
138	20.5	14.6	22.0

Instrument :
 BNA_N
 ClientSampleId :
 EXT-034-SW094-080519

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