

Data File : BN007278.D
Acq On : 21 Aug 2019 04:15
Operator : HP/JU
Sample : K4173-10MSD
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PST-016-SW112-073119-1MSD

Quant Time: Aug 21 05:49:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN082019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 20 18:52:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.41	152	6931	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	26184	0.40	ng	0.00
13) Acenaphthene-d10	14.06	164	15025	0.40	ng	0.00
19) Phenanthrene-d10	16.80	188	35367	0.40	ng	0.00
27) Chrysene-d12	21.03	240	35805	0.40	ng	0.00
34) Perylene-d12	23.13	264	41149	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.04	112	6578	0.31	ng	0.00
5) Phenol-d6	6.60	99	8714	0.36	ng	0.00
8) Nitrobenzene-d5	8.54	82	7294	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	11.77	152	18299	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	2612	0.31	ng	0.00
15) 2-Fluorobiphenyl	12.68	172	21363	0.33	ng	0.00
25) Fluoranthene-d10	18.85	212	35203	0.31	ng	0.00
29) Terphenyl-d14	19.47	244	26549	0.30	ng	0.00

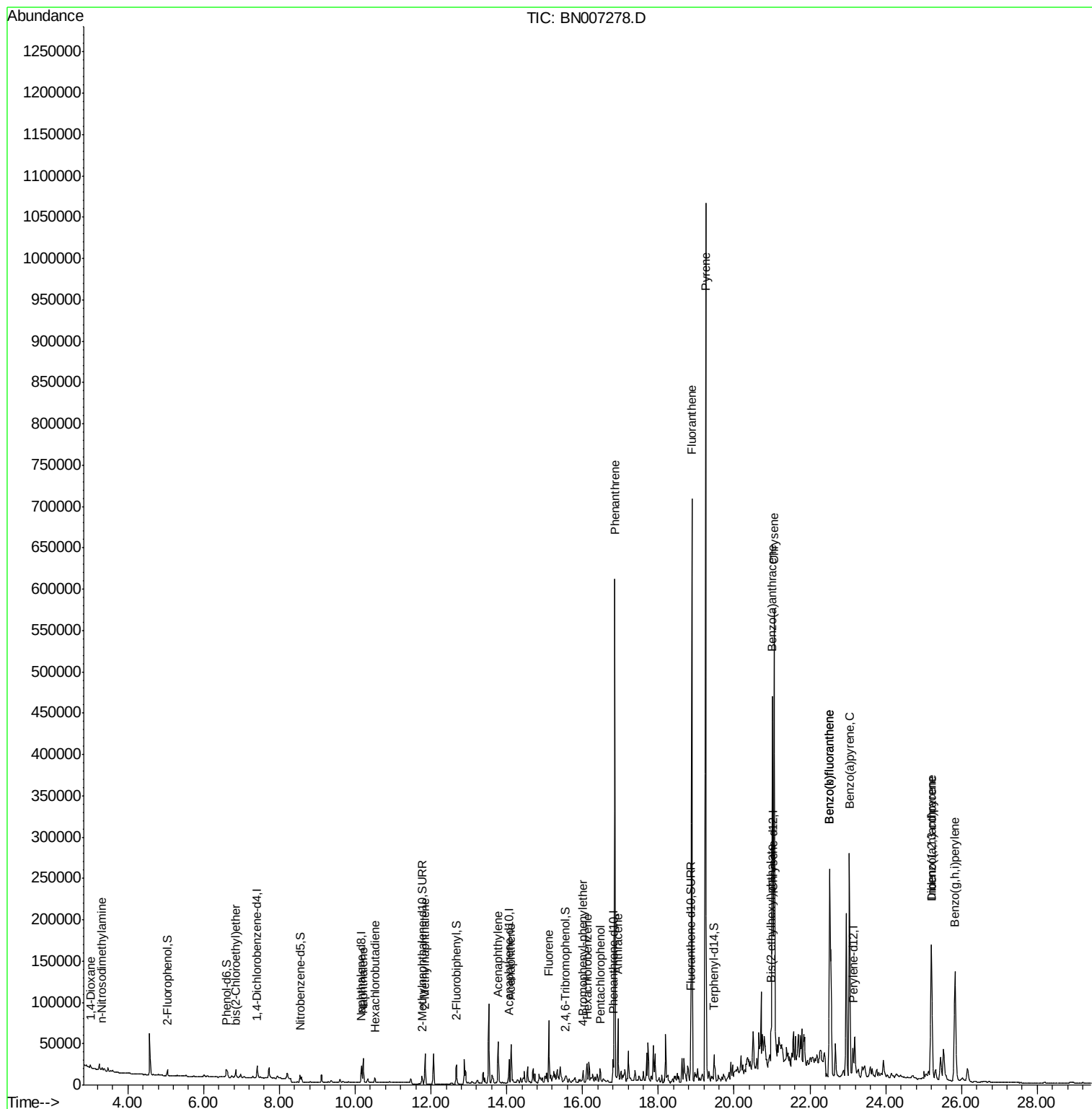
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.01	88	2548	0.259	ng	# 65
3) n-Nitrosodimethylamine	3.32	42	2086	0.316	ng	# 85
6) bis(2-Chloroethyl)ether	6.85	93	7614	0.372	ng	97
9) Naphthalene	10.21	128	36537	0.492	ng	100
10) Hexachlorobutadiene	10.52	225	4797	0.293	ng	# 99
12) 2-Methylnaphthalene	11.84	142	26549	0.517	ng	99
16) Acenaphthylene	13.77	152	57562	0.722	ng	98
17) Acenaphthene	14.11	154	25537	0.503	ng	98
18) Fluorene	15.12	166	38960	0.587	ng	96
20) 4-Bromophenyl-phenylether	16.01	248	6307	0.311	ng	# 80
21) Hexachlorobenzene	16.12	284	6560	0.280	ng	98
22) Pentachlorophenol	16.46	266	5224	0.555	ng	95
23) Phenanthrene	16.85	178	590507	5.327	ng	100
24) Anthracene	16.94	178	86767	0.869	ng	98
26) Fluoranthene	18.88	202	627866	4.676	ng	99
28) Pyrene	19.25	202	991322	7.404	ng	# 96
30) Benzo(a)anthracene	21.00	228	415658	3.122	ng	95
31) Chrysene	21.06	228	513590	3.780	ng	98
32) Bis(2-ethylhexyl)phthalate	20.98	149	29916	0.562	ng	96
33) Indeno(1,2,3-cd)pyrene	25.20	276	230123	1.408	ng	98
35) Benzo(b)fluoranthene	22.52	252	415520	2.709	ng	99
36) Benzo(k)fluoranthene	22.52	252	415520	2.765	ng	99
37) Benzo(a)pyrene	23.04	252	357509	2.586	ng	98
38) Dibenzo(a,h)anthracene	25.21	278	94361	0.650	ng	95
39) Benzo(g,h,i)perylene	25.83	276	261645	1.782	ng	100

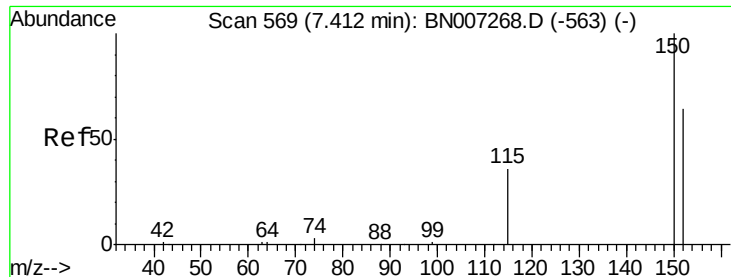
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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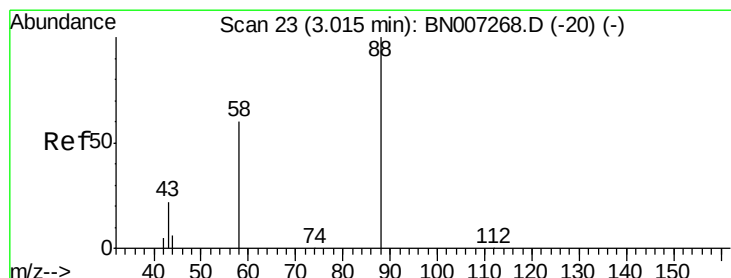
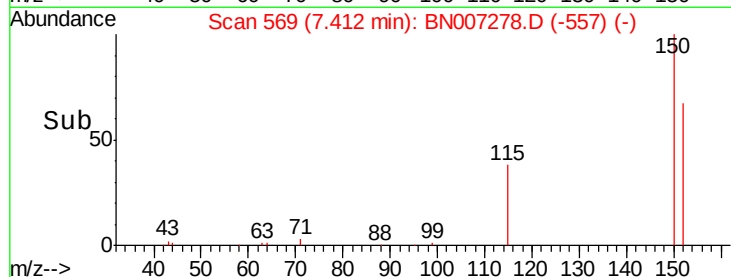
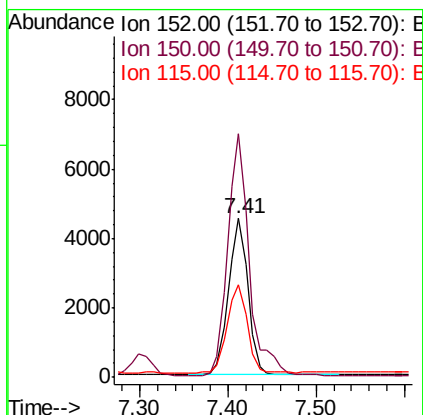
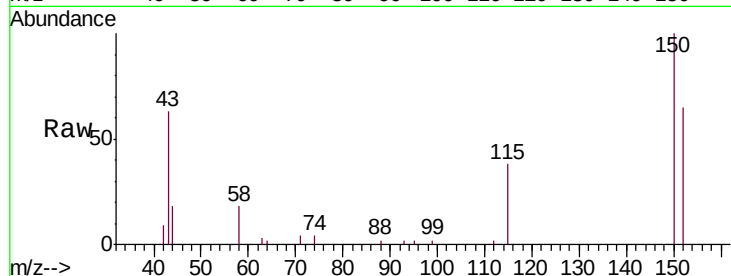


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.41 min Scan# 569
Delta R.T. -0.00 min
Lab File: BN007278.D
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BNA_N
ClientSampleId :
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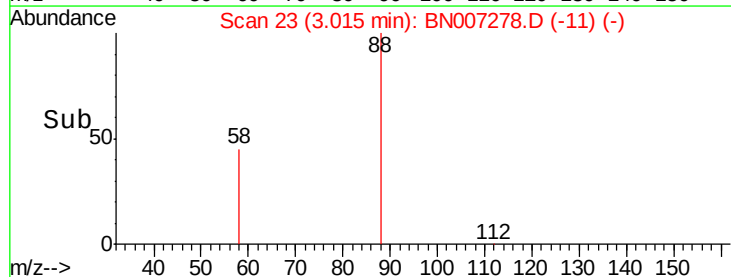
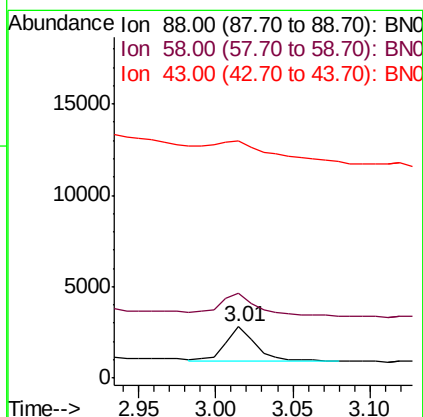
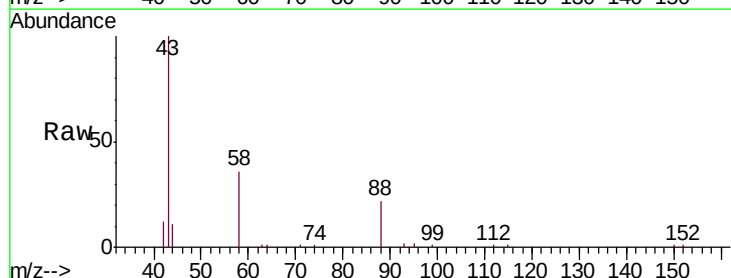
Tgt Ion:152 Resp: 6931
Ion Ratio Lower Upper
152 100
150 153.2 123.8 185.8
115 58.6 47.3 70.9

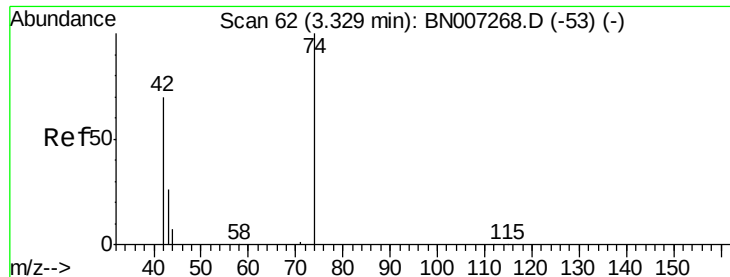


#2

1,4-Dioxane
Concen: 0.259 ng
RT: 3.01 min Scan# 23
Delta R.T. -0.00 min
Lab File: BN007278.D
Acq: 21 Aug 2019 04:15

Tgt Ion: 88 Resp: 2548
Ion Ratio Lower Upper
88 100
58 77.4 45.5 68.3#
43 0.0 20.4 30.6#





#3

n-Nitrosodimethylamine

Concen: 0.316 ng

RT: 3.32 min Scan# 61

Delta R.T. -0.01 min

Lab File: BN007278.D

Acq: 21 Aug 2019 04:15

Instrument :

BNA_N

ClientSampleId :

PST-016-SW112-073119-1MSD

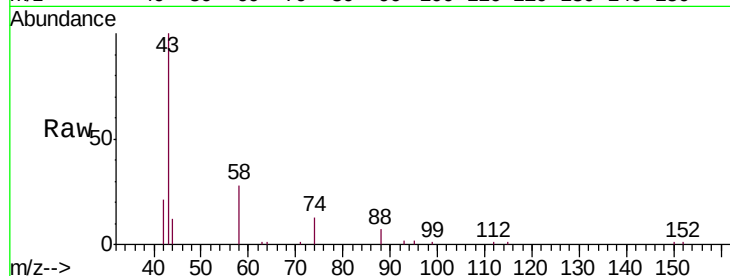
Tgt Ion: 42 Resp: 2086

Ion Ratio Lower Upper

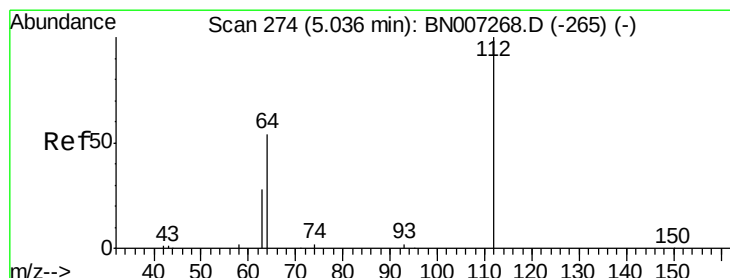
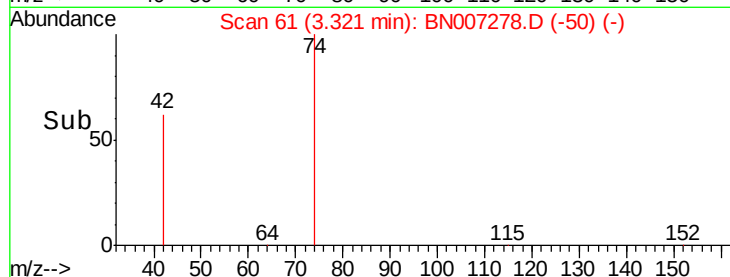
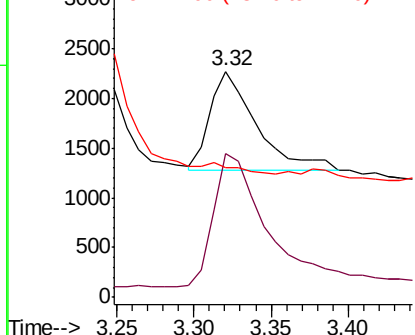
42 100

74 154.5 109.0 163.4

44 0.0 4.2 6.2#



Abundance Ion 42.00 (41.70 to 42.70): BN0
Ion 74.00 (73.70 to 74.70): BN0
Ion 44.00 (43.70 to 44.70): BN0



#4

2-Fluorophenol

Concen: 0.311 ng

RT: 5.04 min Scan# 275

Delta R.T. 0.01 min

Lab File: BN007278.D

Acq: 21 Aug 2019 04:15

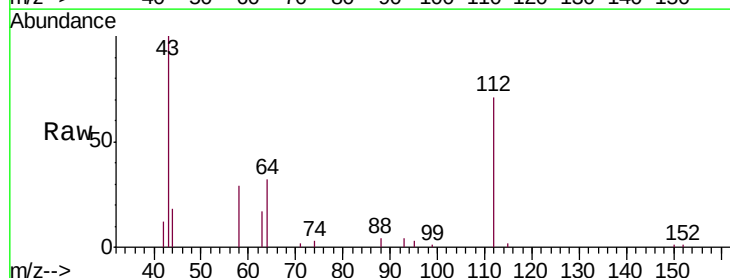
Tgt Ion: 112 Resp: 6578

Ion Ratio Lower Upper

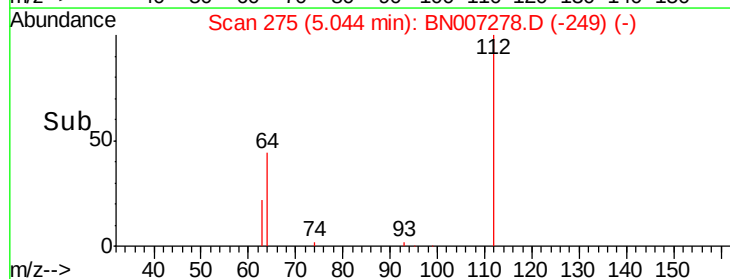
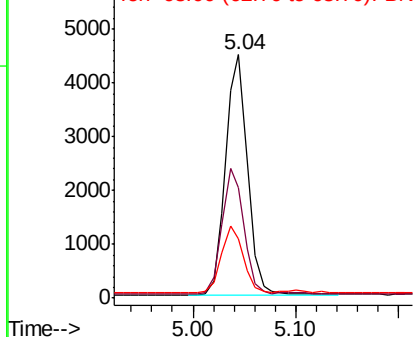
112 100

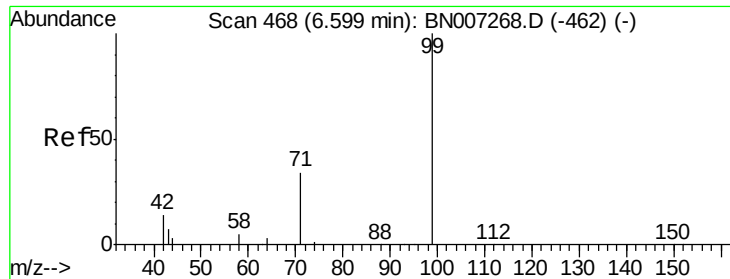
64 52.0 41.8 62.8

63 27.3 22.6 34.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BN0
Ion 63.00 (62.70 to 63.70): BN0





#5

Phenol-d6

Concen: 0.357 ng

RT: 6.60 min Scan# 468

Delta R.T. 0.00 min

Lab File: BN007278.D

Acq: 21 Aug 2019 04:15

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PST-016-SW112-073119-1MSD

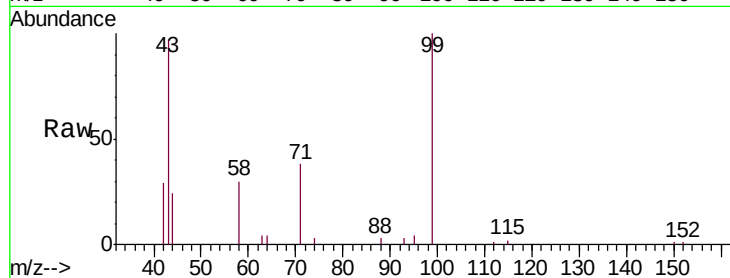
Tgt Ion: 99 Resp: 8714

Ion Ratio Lower Upper

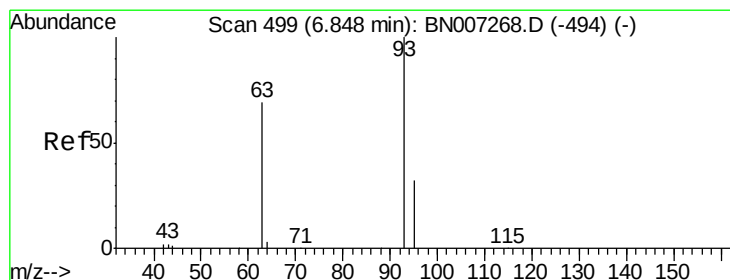
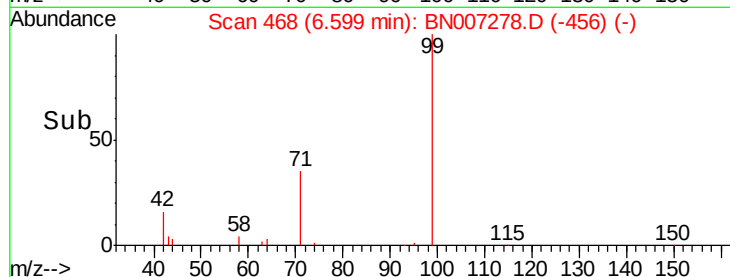
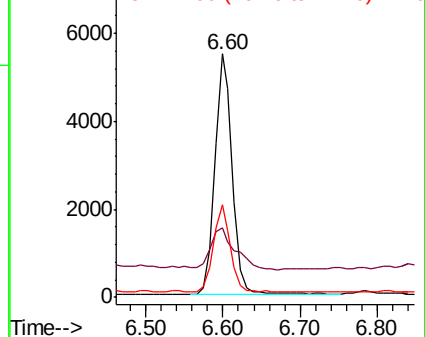
99 100

42 24.0 14.3 21.5#

71 35.5 27.3 40.9



Abundance Ion 99.00 (98.70 to 99.70): BNC
Ion 42.00 (41.70 to 42.70): BNC
Ion 71.00 (70.70 to 71.70): BNC



#6

bis(2-Chloroethyl)ether

Concen: 0.372 ng

RT: 6.85 min Scan# 499

Delta R.T. -0.00 min

Lab File: BN007278.D

Acq: 21 Aug 2019 04:15

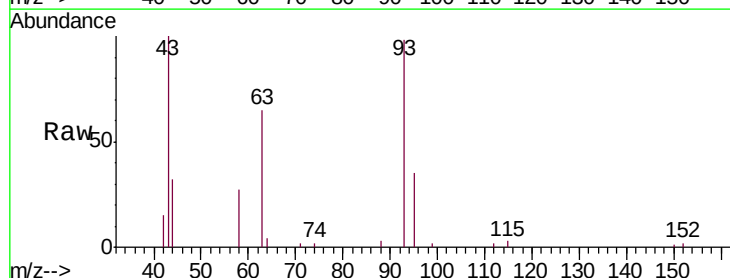
Tgt Ion: 93 Resp: 7614

Ion Ratio Lower Upper

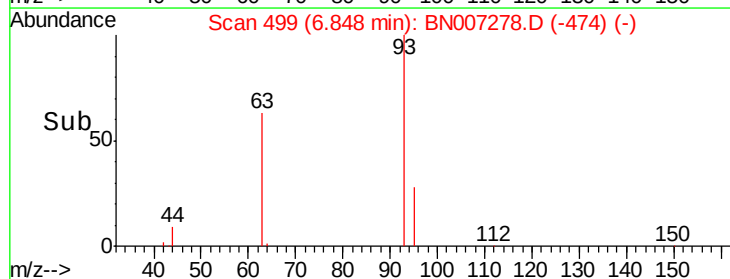
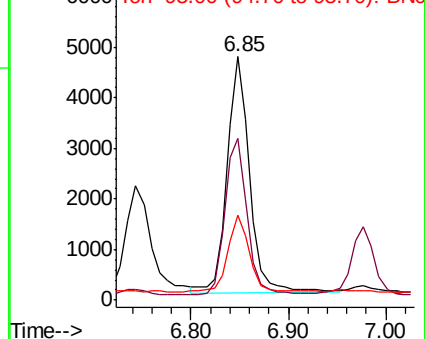
93 100

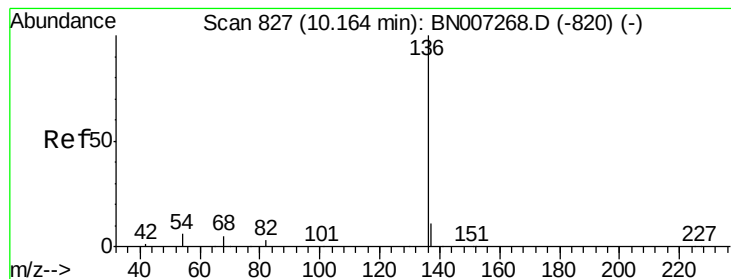
63 64.8 54.4 81.6

95 32.1 25.5 38.3



Abundance Ion 93.00 (92.70 to 93.70): BNC
Ion 63.00 (62.70 to 63.70): BNC
Ion 95.00 (94.70 to 95.70): BNC





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.16 min Scan# 827

Delta R.T. -0.00 min

Lab File: BN007278.D

Acq: 21 Aug 2019 04:15

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Tgt Ion:136 Resp: 26184

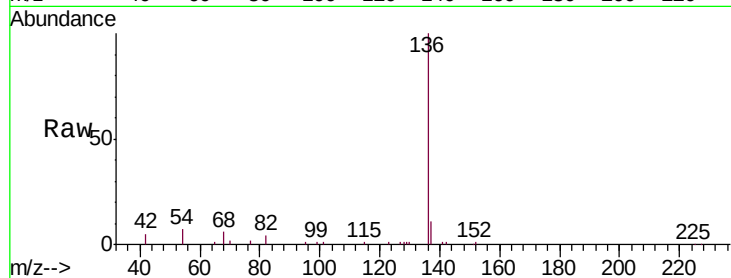
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 7.0 5.9 8.9

68 6.5 5.6 8.4

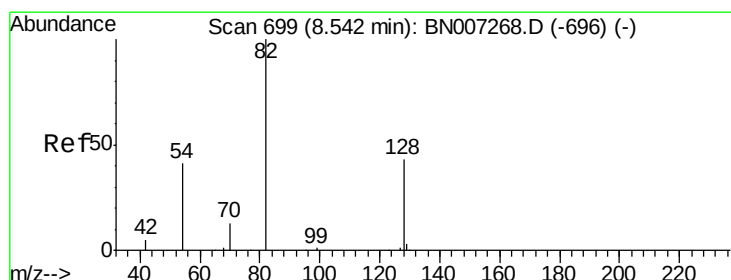
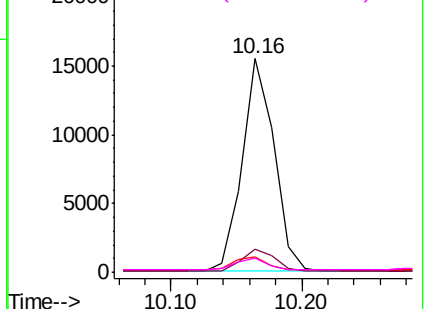
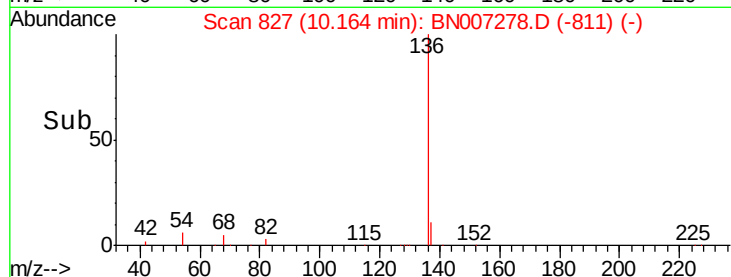


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.363 ng

RT: 8.54 min Scan# 699

Delta R.T. -0.00 min

Lab File: BN007278.D

Acq: 21 Aug 2019 04:15

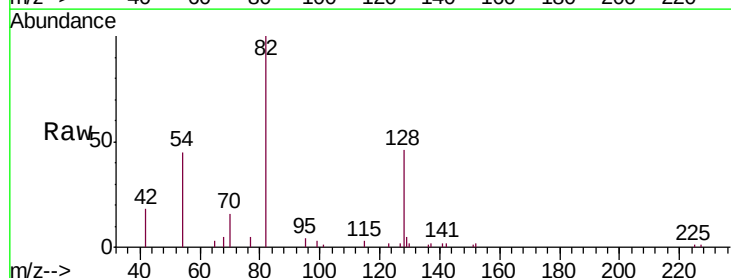
Tgt Ion: 82 Resp: 7294

Ion Ratio Lower Upper

82 100

128 45.9 35.8 53.6

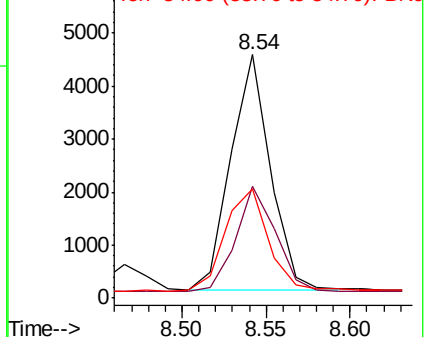
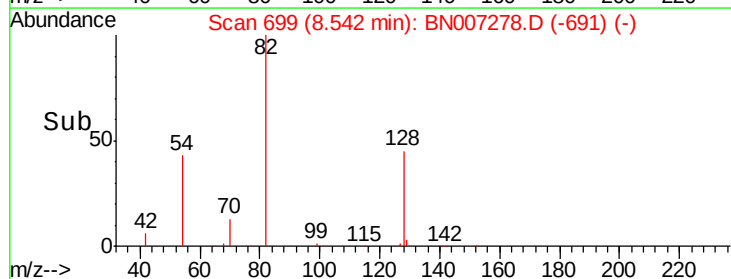
54 44.6 34.7 52.1

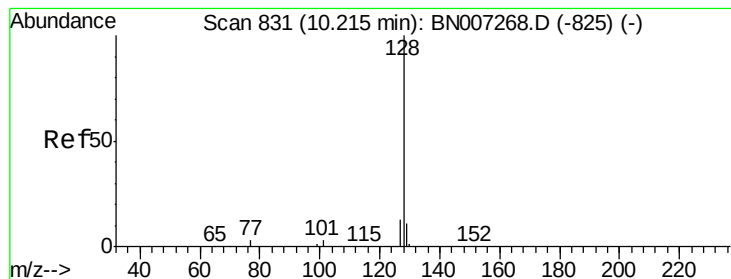


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.492 ng

RT: 10.21 min Scan# 831

Delta R.T. -0.00 min

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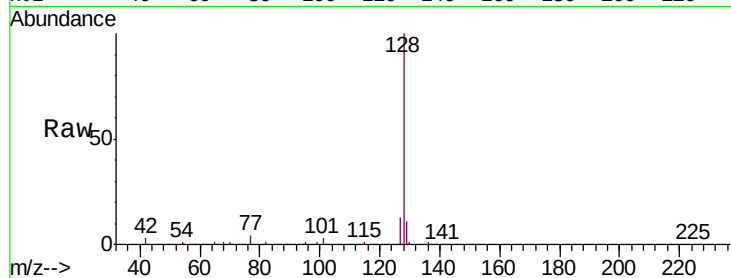
Tgt Ion:128 Resp: 36537

Ion Ratio Lower Upper

128 100

129 11.3 9.1 13.7

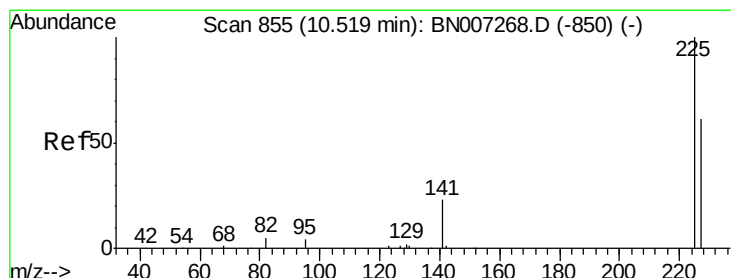
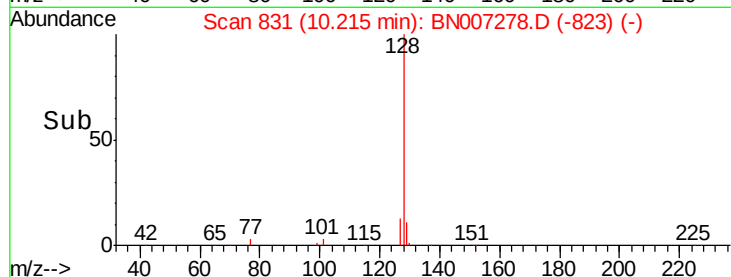
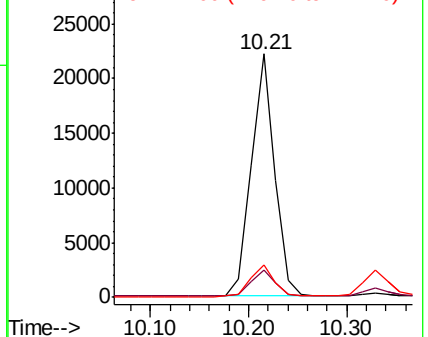
127 13.3 10.6 16.0



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



#10

Hexachlorobutadiene

Concen: 0.293 ng

RT: 10.52 min Scan# 855

Delta R.T. -0.00 min

Lab File: BN007278.D

Acq: 21 Aug 2019 04:15

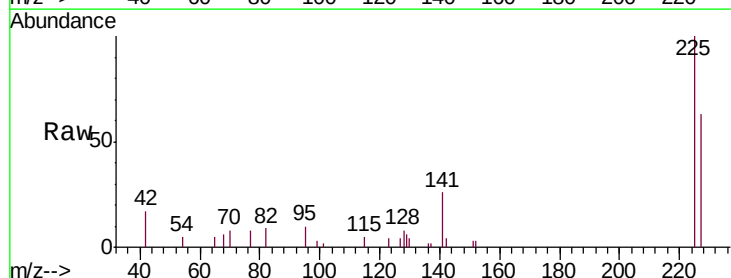
Tgt Ion:225 Resp: 4797

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

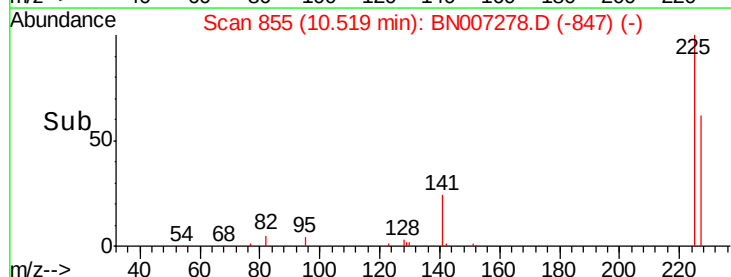
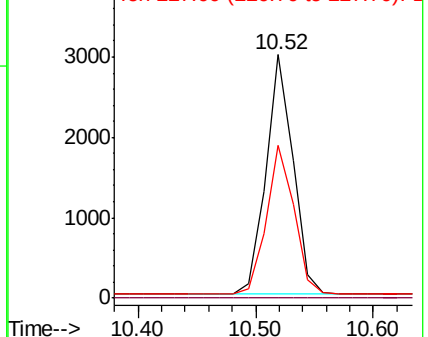
227 63.5 50.2 75.2

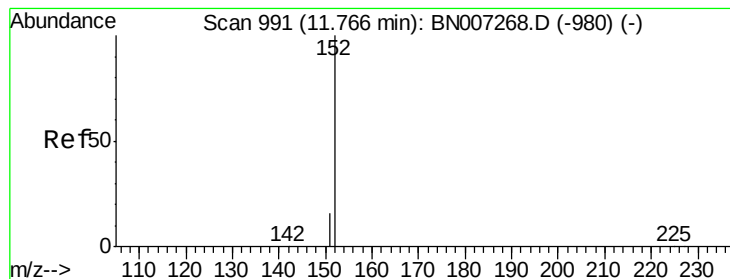


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.404 ng

RT: 11.77 min Scan# 991

Delta R.T. -0.00 min

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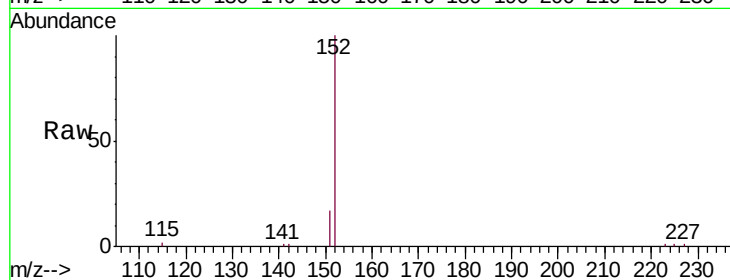
PST-016-SW112-073119-1MSD

Tgt Ion:152 Resp: 18299

Ion Ratio Lower Upper

152 100

151 15.9 15.2 22.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.77

10000

8000

6000

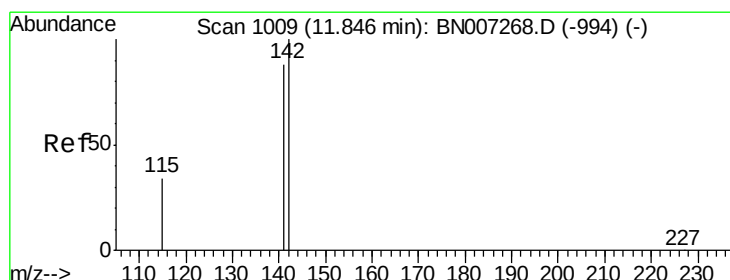
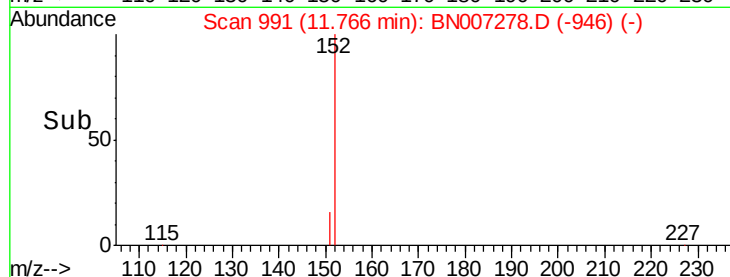
4000

2000

0

Time-->

11.70 11.80



#12

2-Methylnaphthalene

Concen: 0.517 ng

RT: 11.84 min Scan# 1008

Delta R.T. -0.00 min

Lab File: BN007278.D

Acq: 21 Aug 2019 04:15

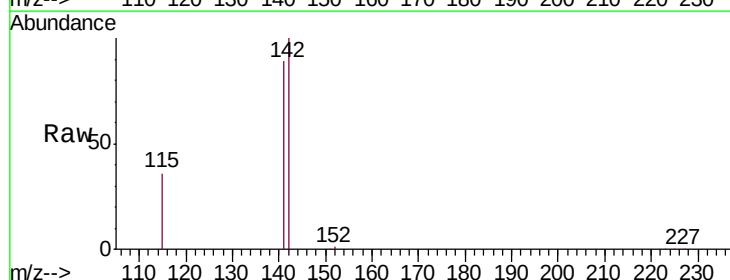
Tgt Ion:142 Resp: 26549

Ion Ratio Lower Upper

142 100

141 89.0 70.7 106.1

115 35.7 28.1 42.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

20000

15000

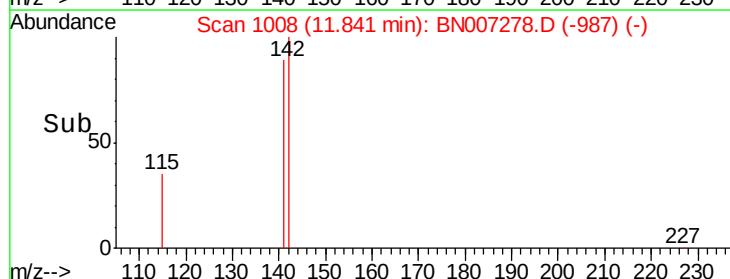
10000

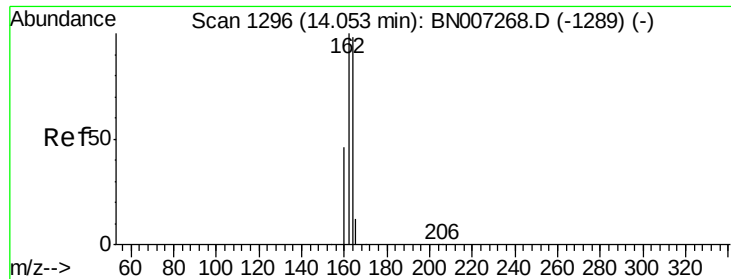
5000

0

Time-->

11.80 11.90





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.06 min Scan# 1297

Delta R.T. 0.00 min

Lab File: BN007278.D

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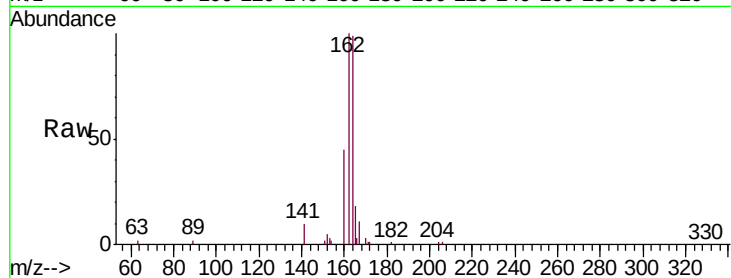
Tgt Ion:164 Resp: 15025

Ion Ratio Lower Upper

164 100

162 100.8 82.0 123.0

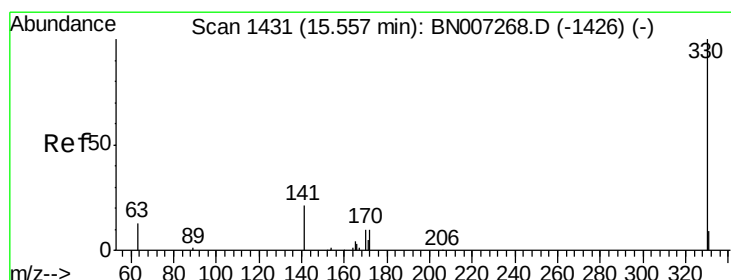
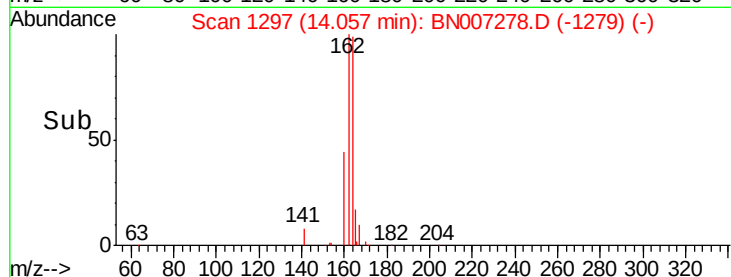
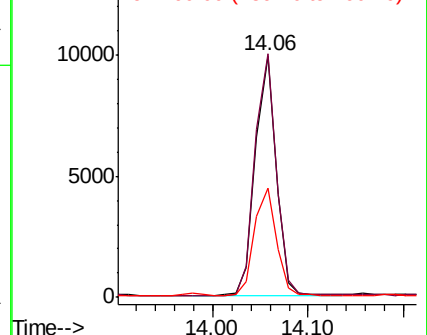
160 45.3 38.2 57.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.310 ng

RT: 15.55 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BN007278.D

Acq: 21 Aug 2019 04:15

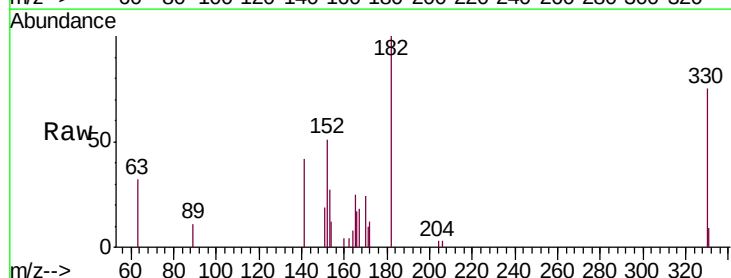
Tgt Ion:330 Resp: 2612

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

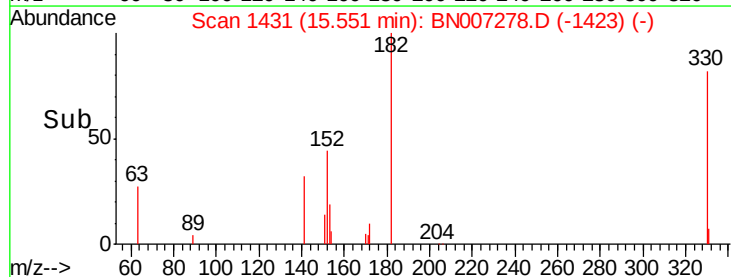
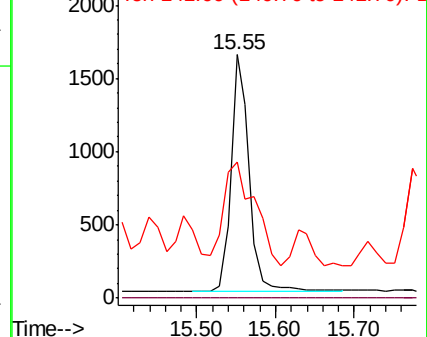
141 74.5 30.3 45.5#

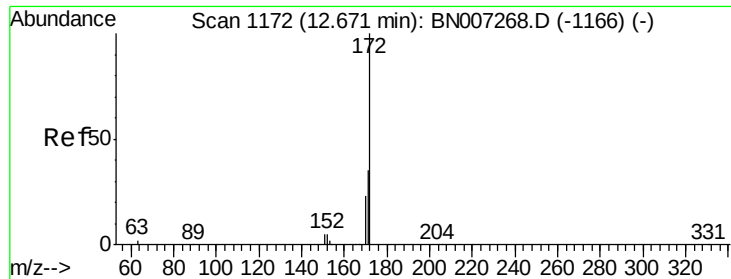


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

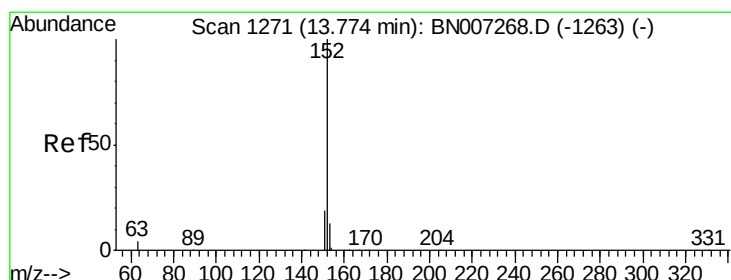
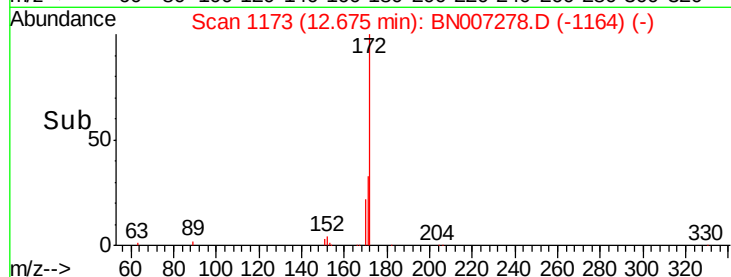
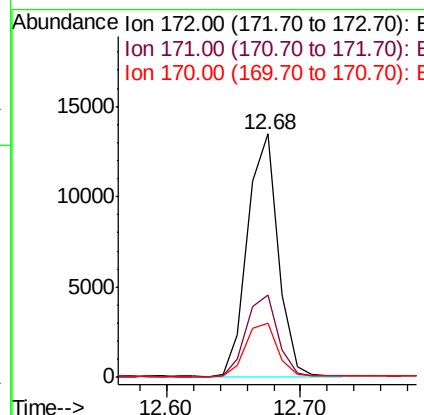
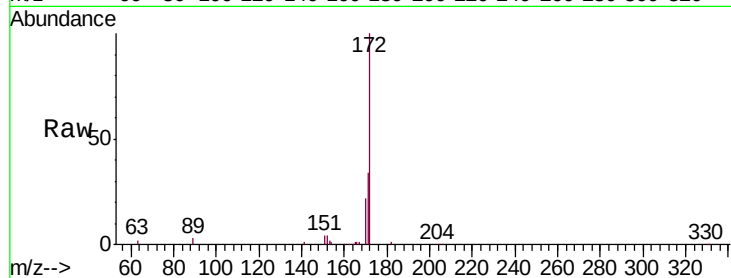




#15
2-Fluorobiphenyl
Concen: 0.332 ng
RT: 12.68 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BN007278.D
Acq: 21 Aug 2019 04:15

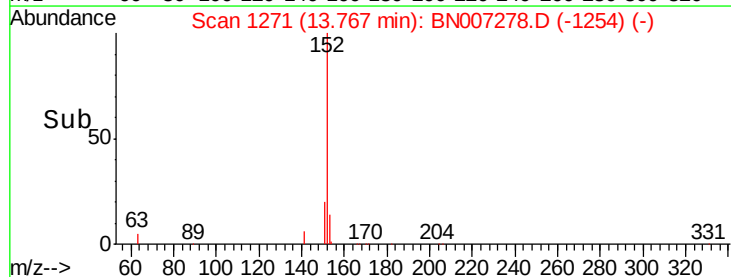
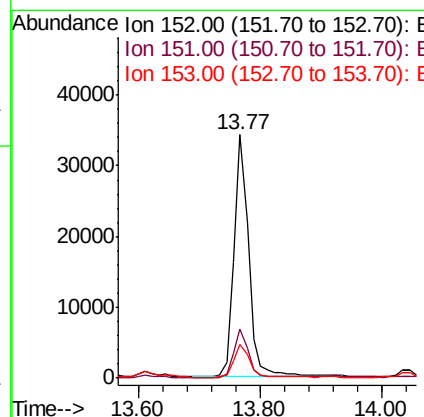
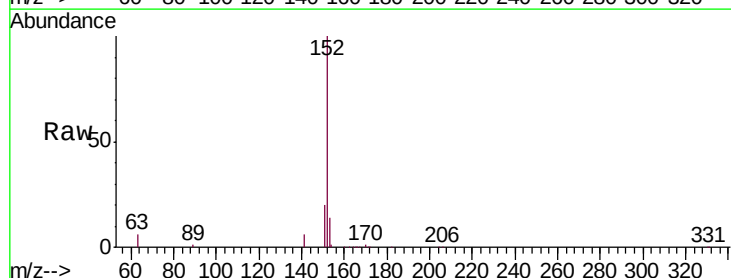
Instrument :
BNA_N
ClientSampleId :
PST-016-SW112-073119-1MSD

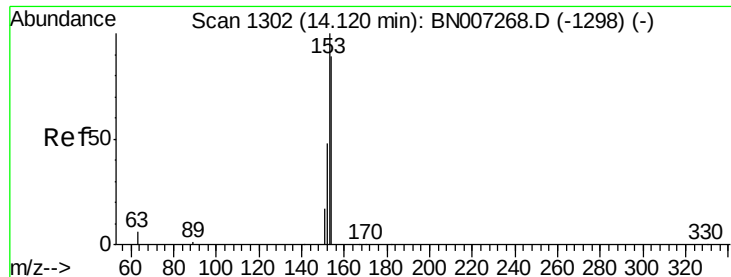
Tgt Ion:172 Resp: 21363
Ion Ratio Lower Upper
172 100
171 33.7 28.6 43.0
170 22.4 18.7 28.1



#16
Acenaphthylene
Concen: 0.722 ng
RT: 13.77 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BN007278.D
Acq: 21 Aug 2019 04:15

Tgt Ion:152 Resp: 57562
Ion Ratio Lower Upper
152 100
151 19.7 15.4 23.2
153 14.1 10.1 15.1





#17

Acenaphthene

Concen: 0.503 ng

RT: 14.11 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BN007278.D

Acq: 21 Aug 2019 04:15

Instrument :

BNA_N

ClientSampleId :

PST-016-SW112-073119-1MSD

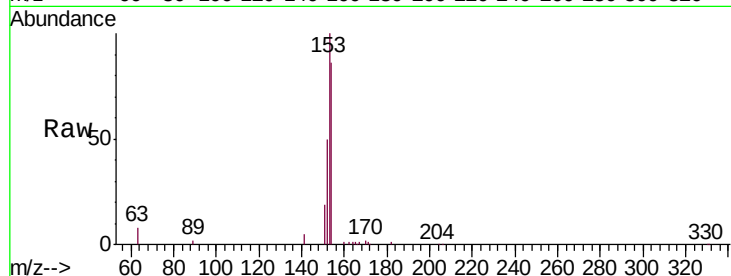
Tgt Ion:154 Resp: 25537

Ion Ratio Lower Upper

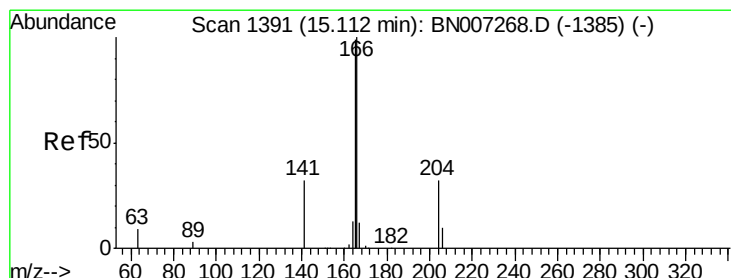
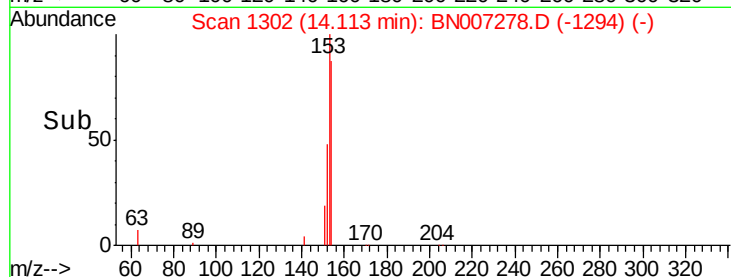
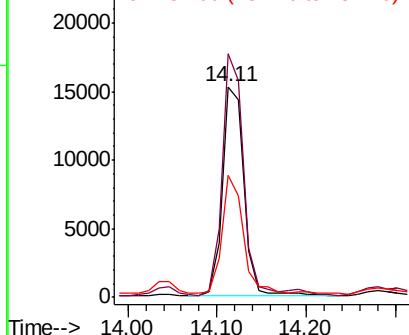
154 100

153 115.7 89.9 134.9

152 55.1 43.9 65.9



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.587 ng

RT: 15.12 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BN007278.D

Acq: 21 Aug 2019 04:15

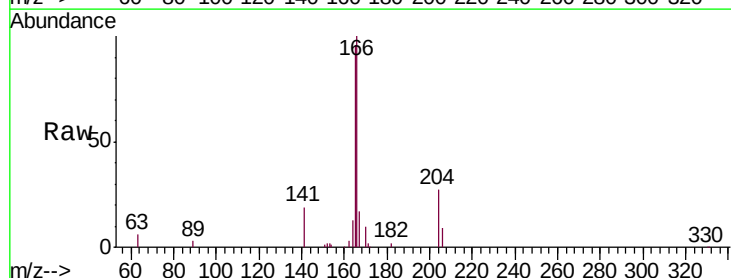
Tgt Ion:166 Resp: 38960

Ion Ratio Lower Upper

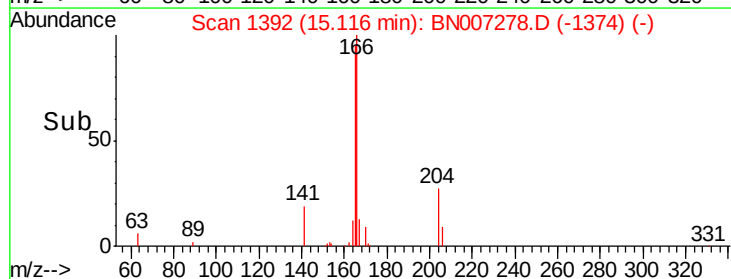
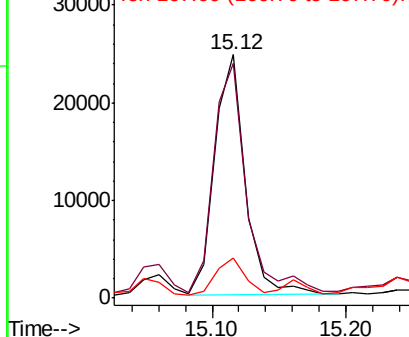
166 100

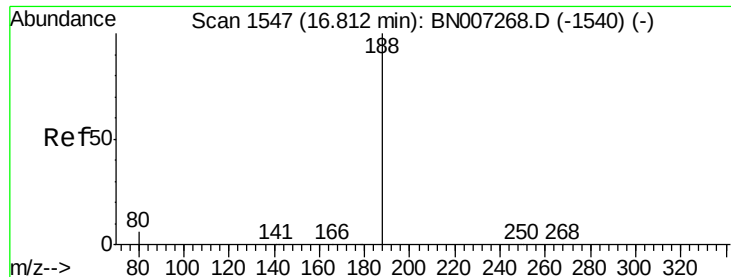
165 101.7 78.3 117.5

167 15.4 11.1 16.7



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.80 min Scan# 1547

Delta R.T. -0.01 min

Lab File: BN007278.D

Acq: 21 Aug 2019 04:15

Instrument :

BNA_N

ClientSampleId :

PST-016-SW112-073119-1MSD

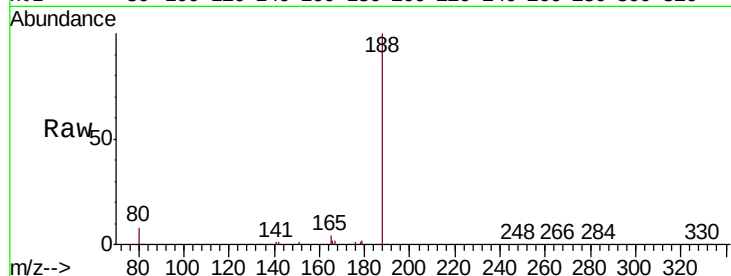
Tgt Ion:188 Resp: 35367

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

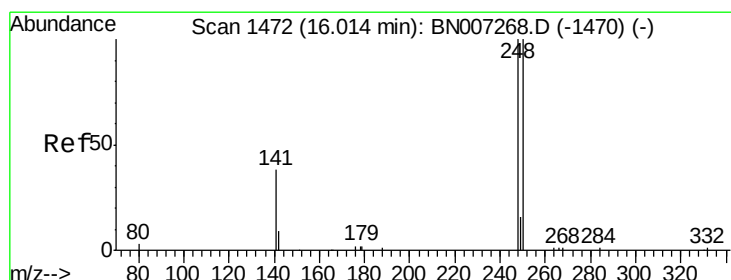
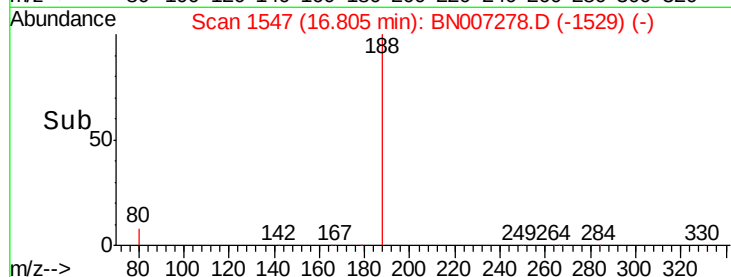
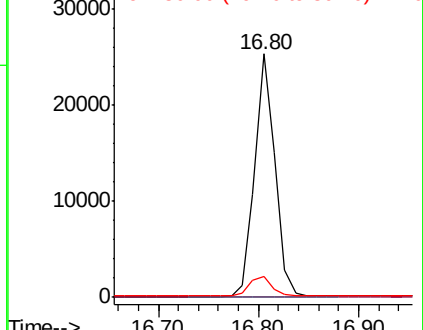
80 8.4 5.2 7.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#20

4-Bromophenyl-phenylether

Concen: 0.311 ng

RT: 16.01 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN007278.D

Acq: 21 Aug 2019 04:15

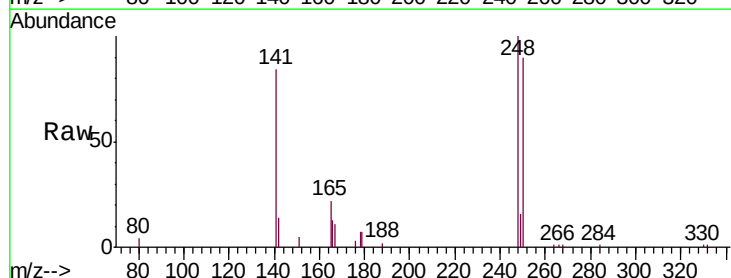
Tgt Ion:248 Resp: 6307

Ion Ratio Lower Upper

248 100

250 90.2 79.6 119.4

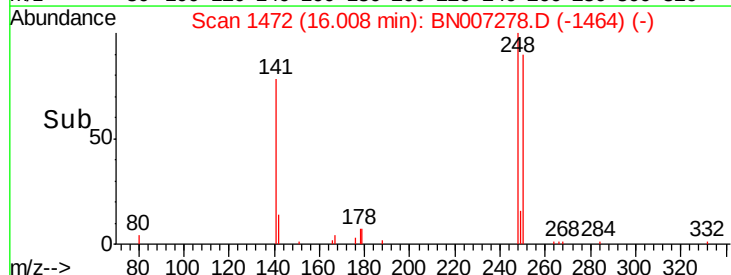
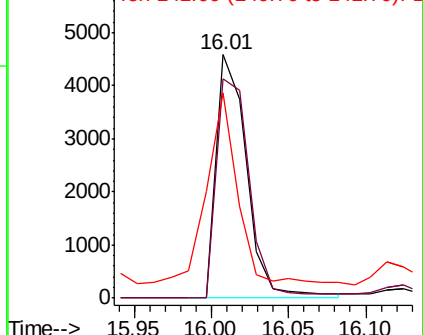
141 84.1 45.1 67.7#

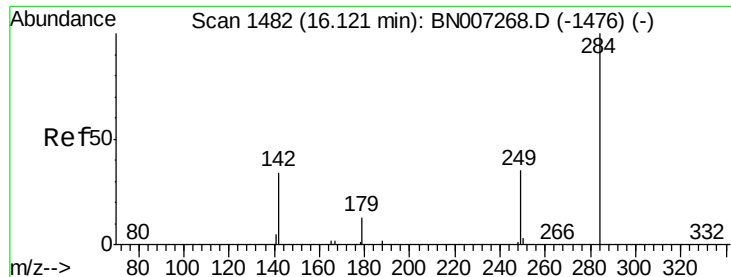


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

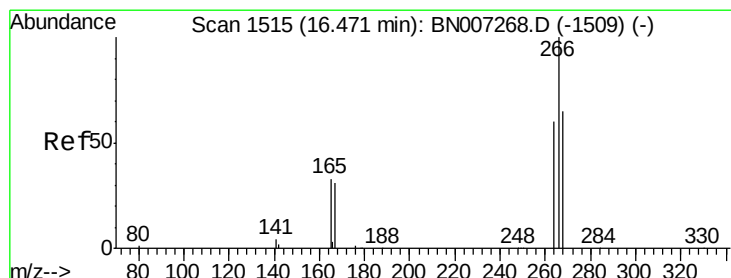
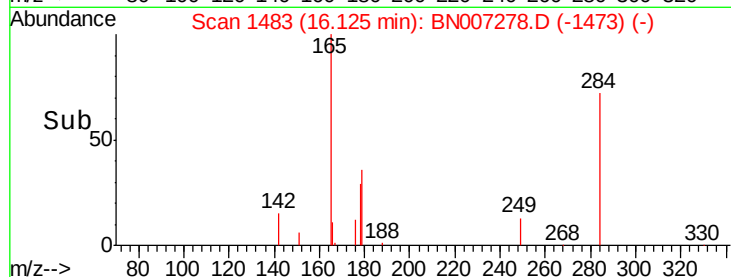
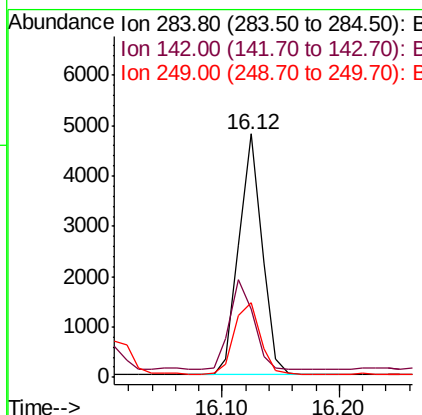
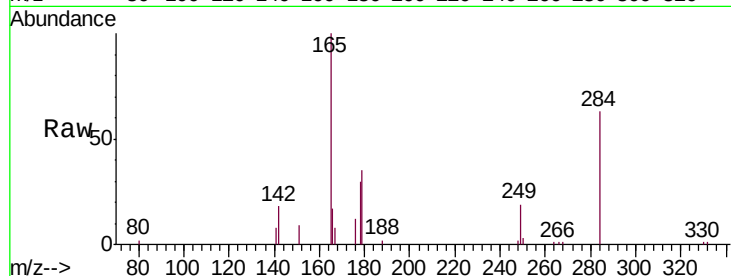




#21
Hexachlorobenzene
Concen: 0.280 ng
RT: 16.12 min Scan# 1483
Delta R.T. 0.00 min
Lab File: BN007278.D
Acq: 21 Aug 2019 04:15

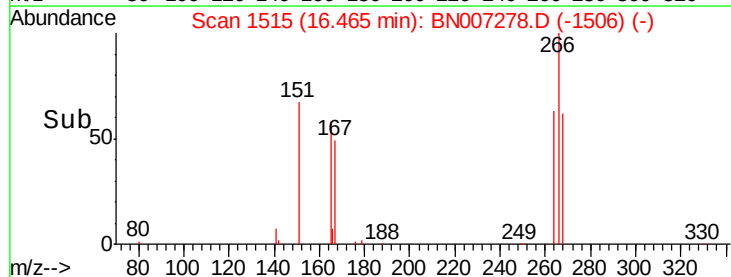
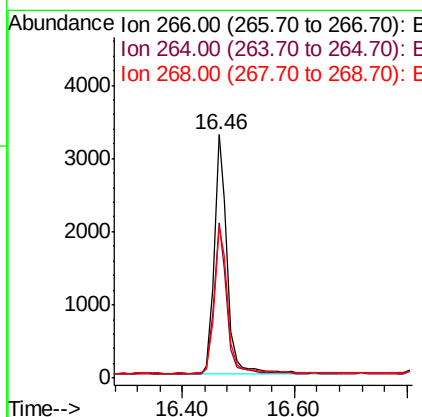
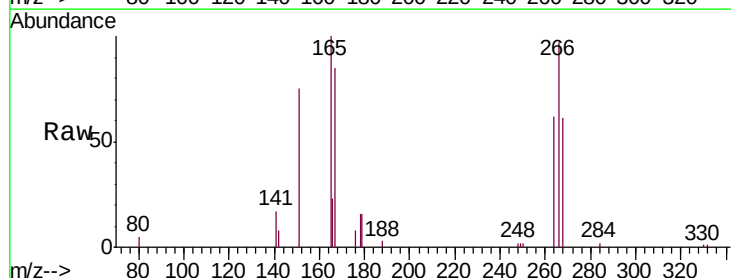
Instrument :
BNA_N
ClientSampleId :
PST-016-SW112-073119-1MSD

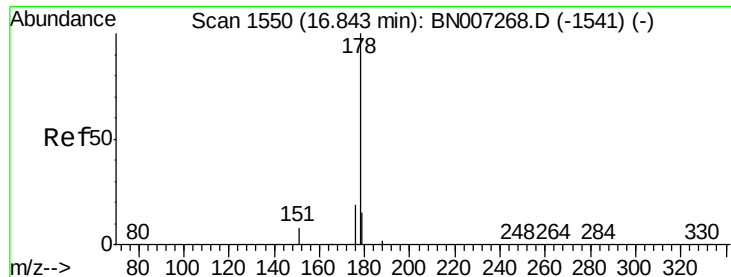
Tgt Ion:284 Resp: 6560
Ion Ratio Lower Upper
284 100
142 39.0 29.5 44.3
249 32.8 26.2 39.4



#22
Pentachlorophenol
Concen: 0.555 ng
RT: 16.46 min Scan# 1515
Delta R.T. -0.01 min
Lab File: BN007278.D
Acq: 21 Aug 2019 04:15

Tgt Ion:266 Resp: 5224
Ion Ratio Lower Upper
266 100
264 63.5 48.7 73.1
268 62.4 53.5 80.3





#23

Phenanthrene

Concen: 5.327 ng

RT: 16.85 min Scan# 1551

Delta R.T. 0.00 min

Lab File: BN007278.D

Acq: 21 Aug 2019 04:15

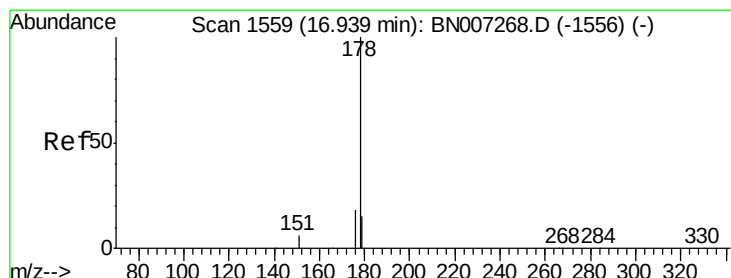
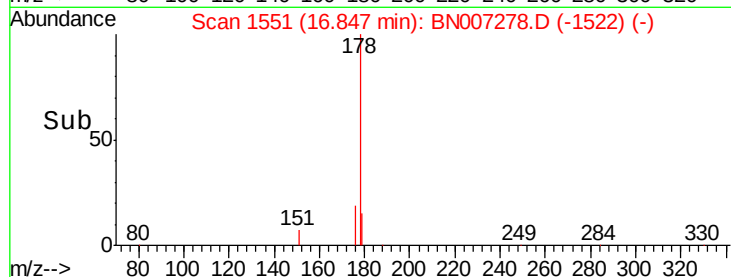
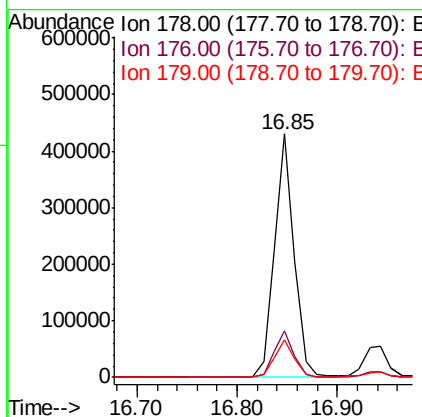
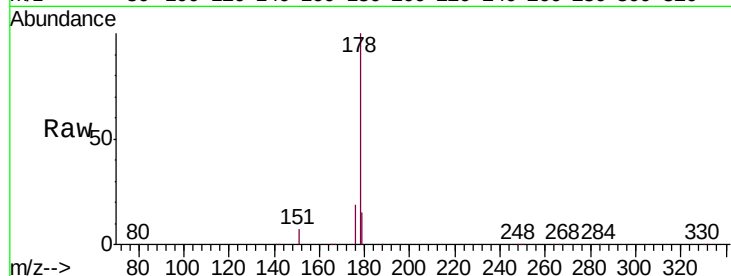
Instrument :

BNA_N

ClientSampleId :

PST-016-SW112-073119-1MSD

Tgt Ion:	178	Resp:	590507
Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.2	22.8
179	15.5	12.3	18.5



#24

Anthracene

Concen: 0.869 ng

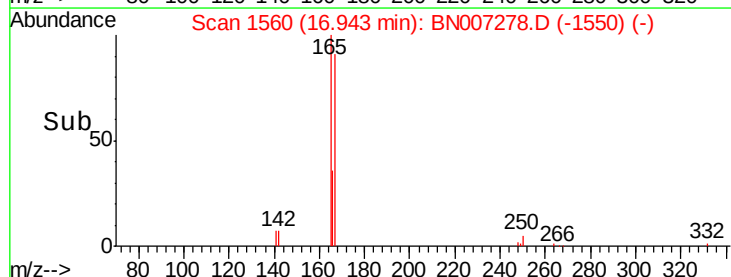
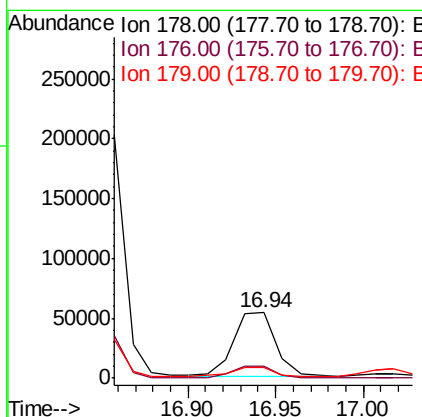
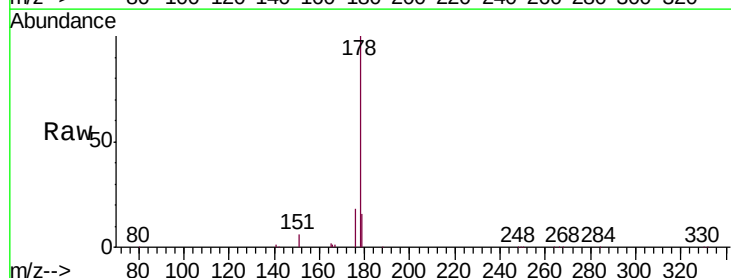
RT: 16.94 min Scan# 1560

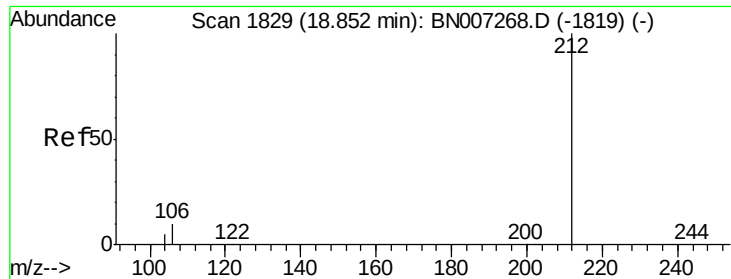
Delta R.T. 0.00 min

Lab File: BN007278.D

Acq: 21 Aug 2019 04:15

Tgt Ion:	178	Resp:	86767
Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.3	21.5
179	16.7	12.3	18.5

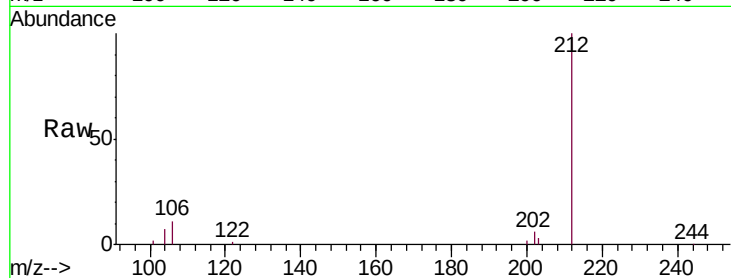




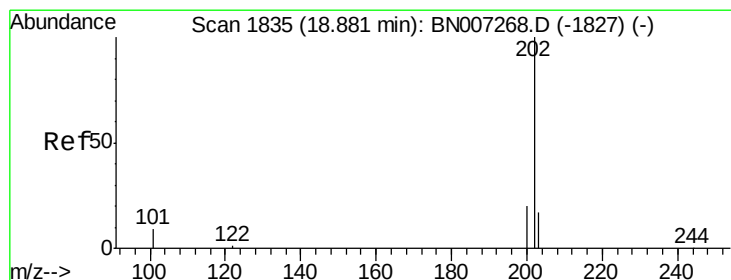
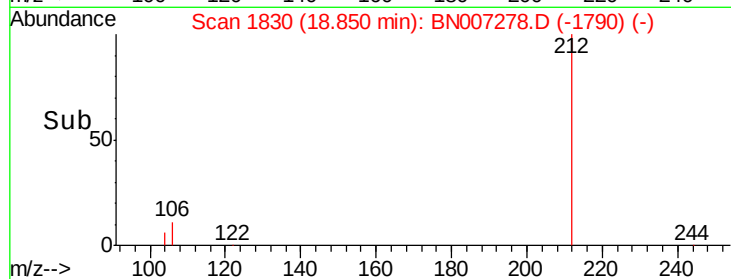
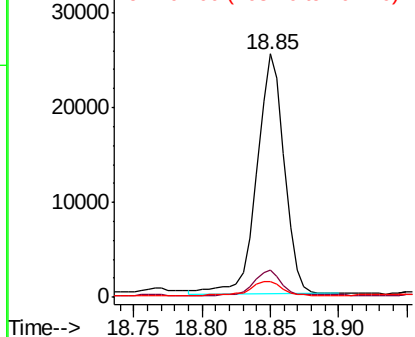
#25
 Fluoranthene-d10
 Concen: 0.314 ng
 RT: 18.85 min Scan# 1830
 Delta R.T. -0.00 min
 Lab File: BN007278.D
 Acq: 21 Aug 2019 04:15

Instrument :
 BNA_N
 ClientSampleId :
 PST-016-SW112-073119-1MSD

Tgt Ion: 212 Resp: 35203
 Ion Ratio Lower Upper
 212 100
 106 10.4 8.2 12.4
 104 6.7 4.7 7.1

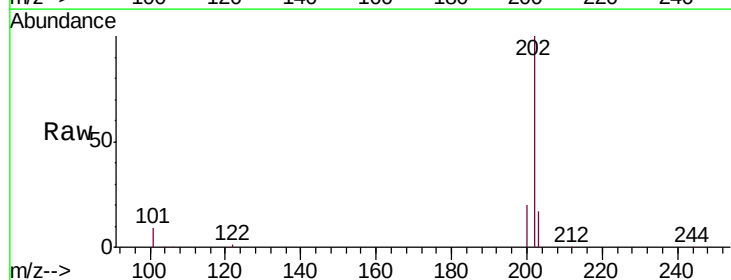


Abundance Ion 212.00 (211.70 to 212.70): E
 Ion 106.00 (105.70 to 106.70): E
 Ion 104.00 (103.70 to 104.70): E

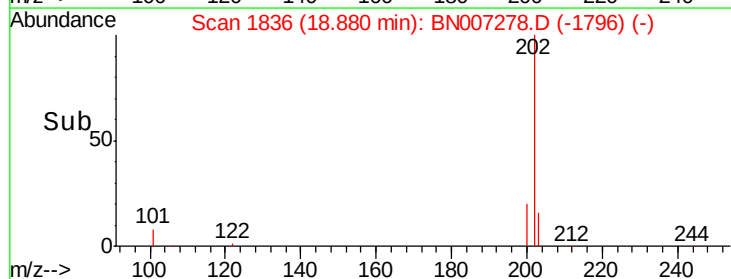
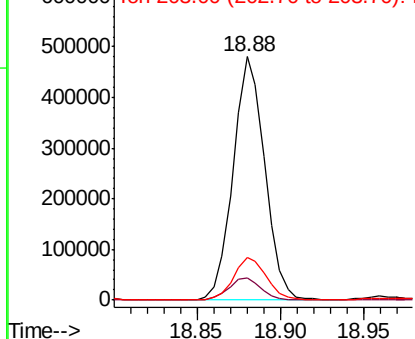


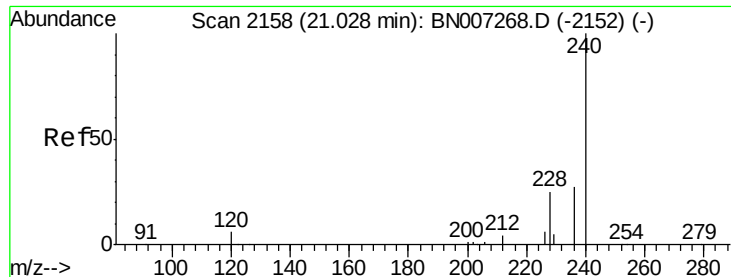
#26
 Fluoranthene
 Concen: 4.676 ng
 RT: 18.88 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: BN007278.D
 Acq: 21 Aug 2019 04:15

Tgt Ion: 202 Resp: 627866
 Ion Ratio Lower Upper
 202 100
 101 9.0 7.2 10.8
 203 17.8 13.8 20.6



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

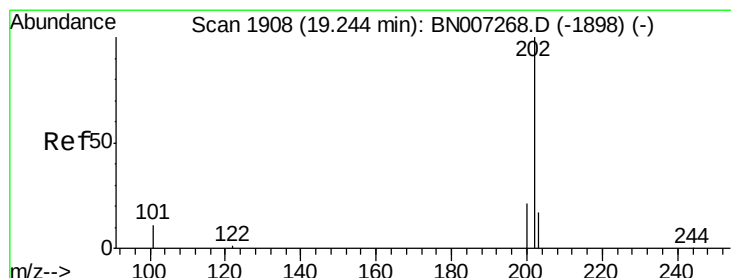
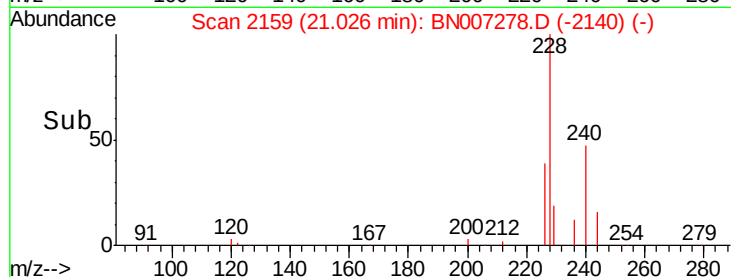
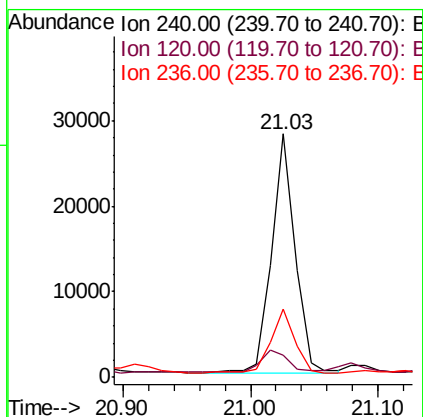
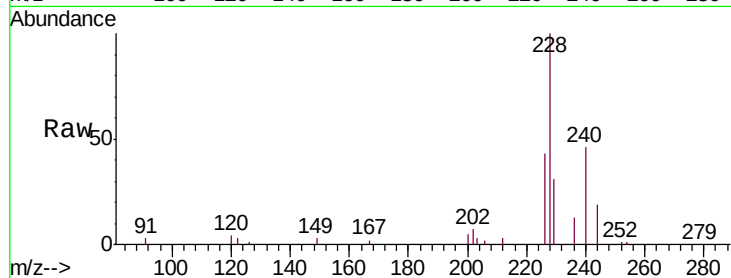




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.03 min Scan# 2159
 Delta R.T. -0.00 min
 Lab File: BN007278.D
 Acq: 21 Aug 2019 04:15

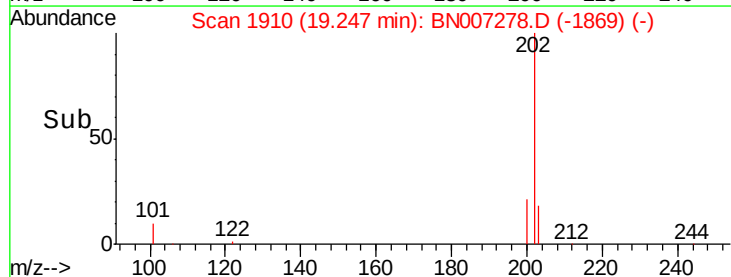
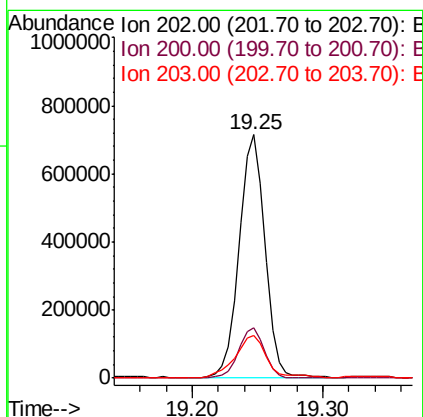
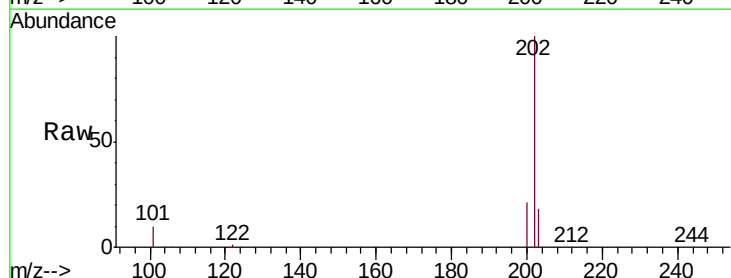
Instrument :
 BNA_N
 ClientSampleId :
 PST-016-SW112-073119-1MSD

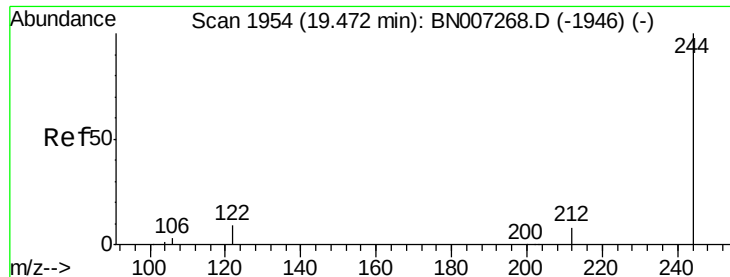
Tgt Ion: 240 Resp: 35805
 Ion Ratio Lower Upper
 240 100
 120 9.1 5.6 8.4#
 236 28.1 21.6 32.4



#28
 Pyrene
 Concen: 7.404 ng
 RT: 19.25 min Scan# 1910
 Delta R.T. 0.00 min
 Lab File: BN007278.D
 Acq: 21 Aug 2019 04:15

Tgt Ion: 202 Resp: 991322
 Ion Ratio Lower Upper
 202 100
 200 20.8 16.7 25.1
 203 21.1 13.9 20.9#





#29

Terphenyl-d14

Concen: 0.296 ng

RT: 19.47 min Scan# 1955

Delta R.T. -0.00 min

Lab File: BN007278.D

Acq: 21 Aug 2019 04:15

Instrument :

BNA_N

ClientSampleId :

PST-016-SW112-073119-1MSD

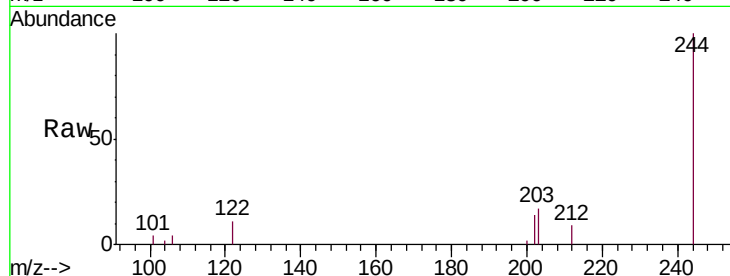
Tgt Ion:244 Resp: 26549

Ion Ratio Lower Upper

244 100

212 8.8 6.5 9.7

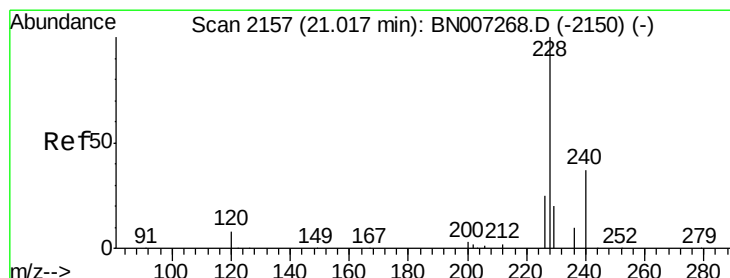
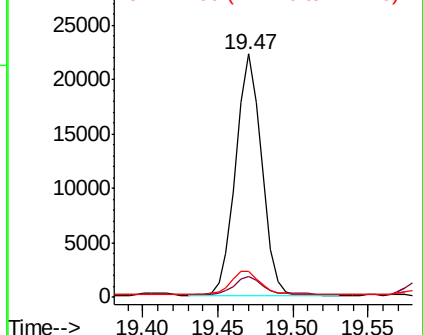
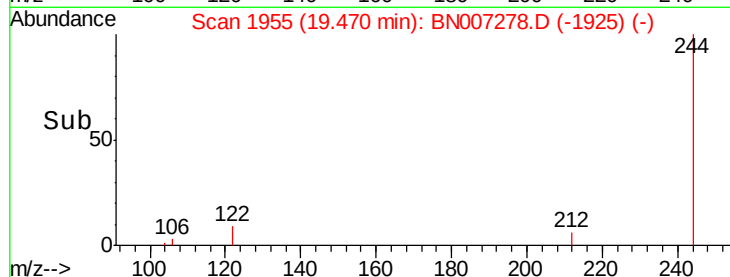
122 10.9 7.9 11.9



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 3.122 ng

RT: 21.00 min Scan# 2157

Delta R.T. -0.01 min

Lab File: BN007278.D

Acq: 21 Aug 2019 04:15

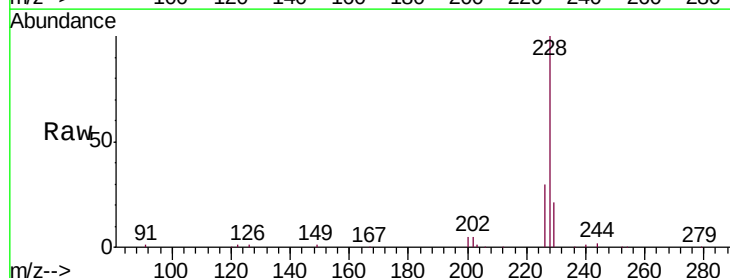
Tgt Ion:228 Resp: 415658

Ion Ratio Lower Upper

228 100

226 29.9 20.6 30.8

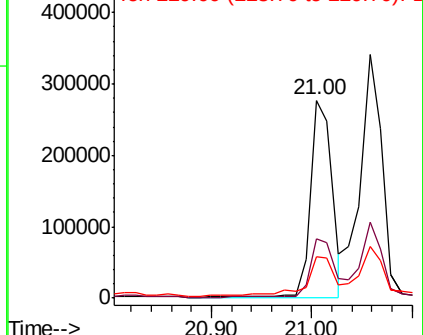
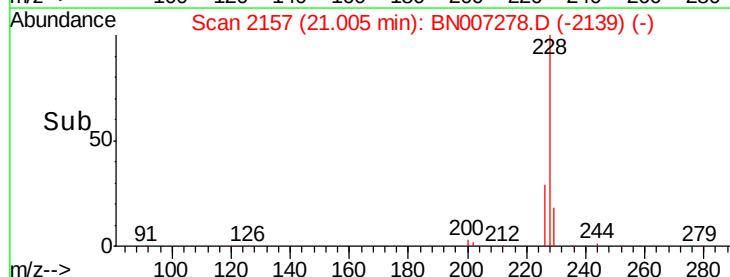
229 21.0 16.9 25.3

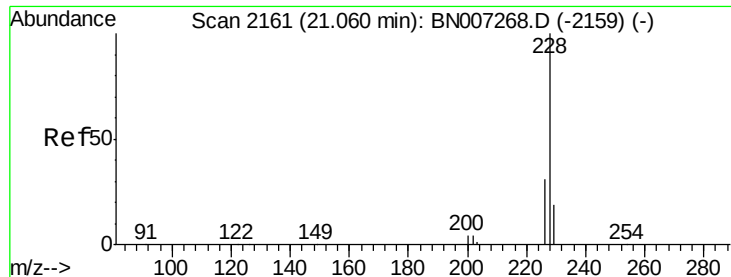


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 3.780 ng

RT: 21.06 min Scan# 2162

Delta R.T. -0.00 min

Lab File: BN007278.D

Acq: 21 Aug 2019 04:15

Instrument :

BNA_N

ClientSampleId :

PST-016-SW112-073119-1MSD

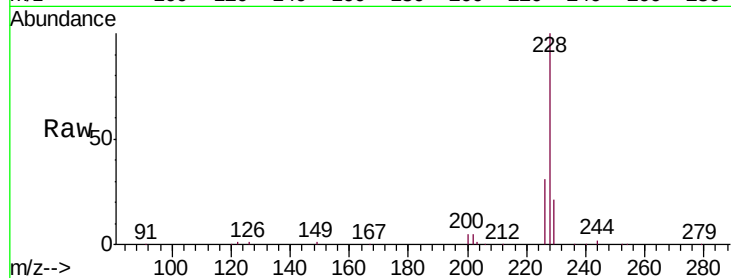
Tgt Ion:228 Resp: 513590

Ion Ratio Lower Upper

228 100

226 30.9 24.6 36.8

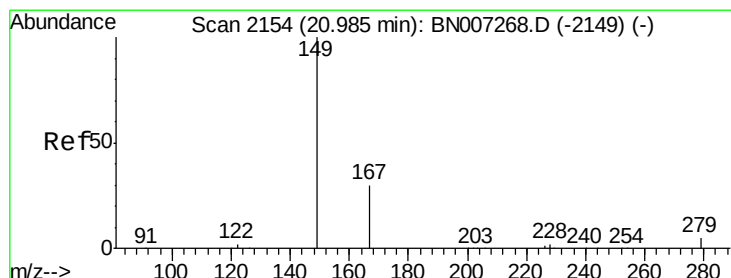
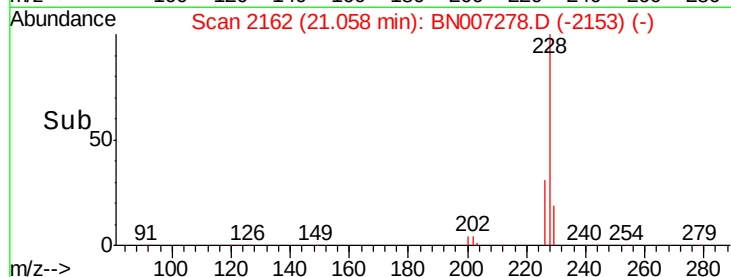
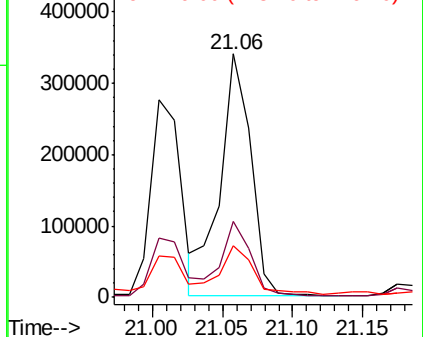
229 21.1 15.6 23.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.562 ng

RT: 20.98 min Scan# 2155

Delta R.T. -0.00 min

Lab File: BN007278.D

Acq: 21 Aug 2019 04:15

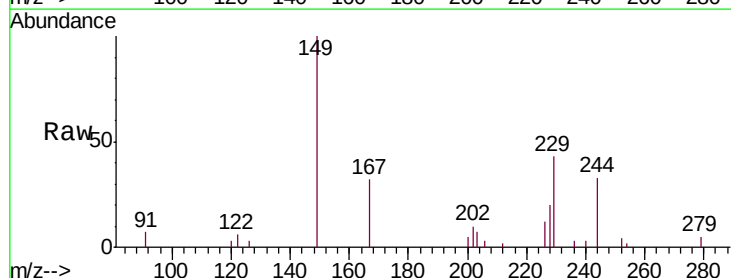
Tgt Ion:149 Resp: 29916

Ion Ratio Lower Upper

149 100

167 31.9 23.8 35.6

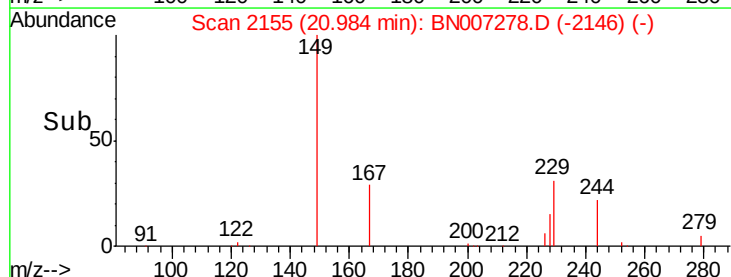
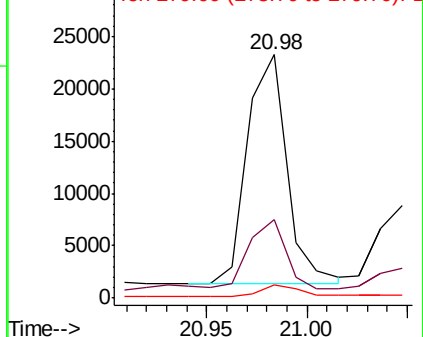
279 4.5 3.8 5.8

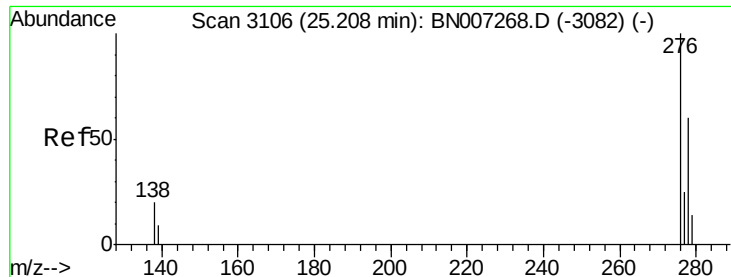


Abundance Ion 149.00 (148.70 to 149.70): E

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: 1.408 ng

RT: 25.20 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BN007278.D

Acq: 21 Aug 2019 04:15

Instrument :

BNA_N

ClientSampleId :

PST-016-SW112-073119-1MSD

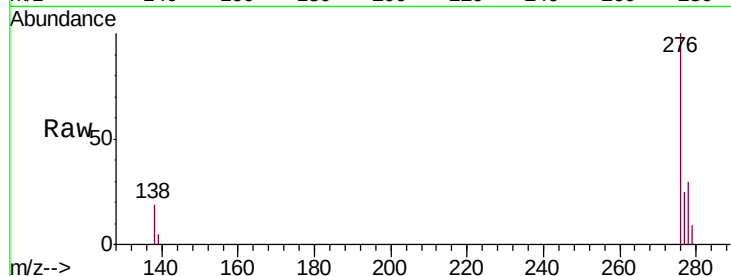
Tgt Ion:276 Resp: 230123

Ion Ratio Lower Upper

276 100

138 19.4 17.1 25.7

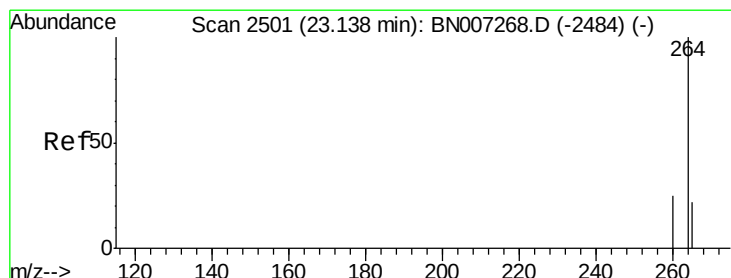
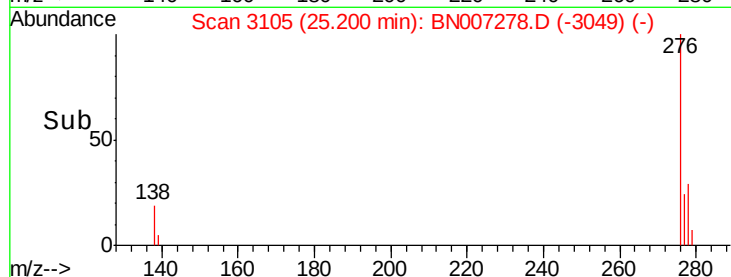
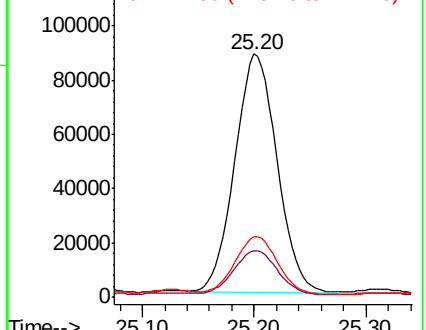
277 25.0 20.1 30.1



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: 23.13 min Scan# 2501

Delta R.T. -0.01 min

Lab File: BN007278.D

Acq: 21 Aug 2019 04:15

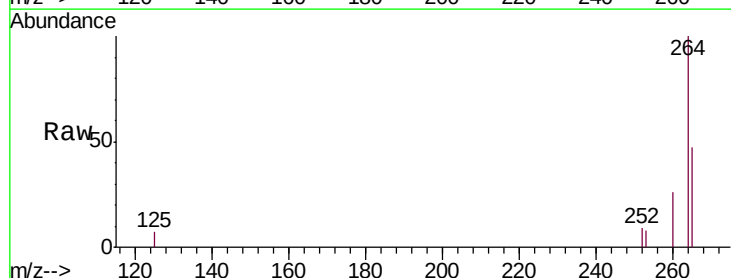
Tgt Ion:264 Resp: 41149

Ion Ratio Lower Upper

264 100

260 25.6 20.1 30.1

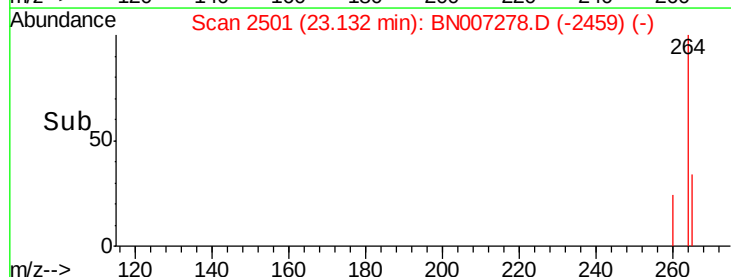
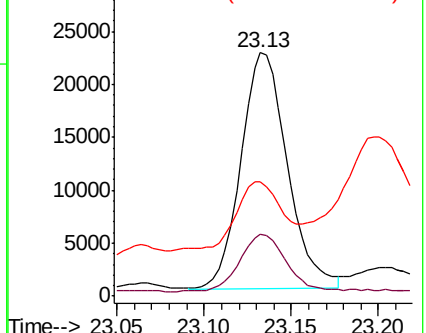
265 46.7 29.0 43.6#

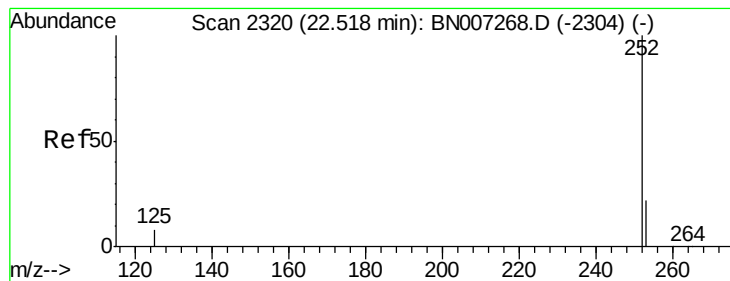


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 2.709 ng

RT: 22.52 min Scan# 2322

Delta R.T. 0.00 min

Lab File: BN007278.D

Acq: 21 Aug 2019 04:15

Instrument :

BNA_N

ClientSampleId :

PST-016-SW112-073119-1MSD

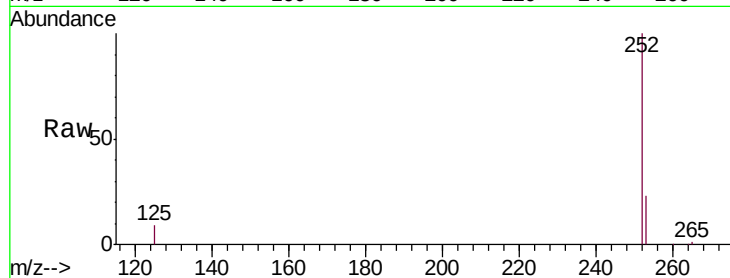
Tgt Ion:252 Resp: 415520

Ion Ratio Lower Upper

252 100

253 22.8 18.5 27.7

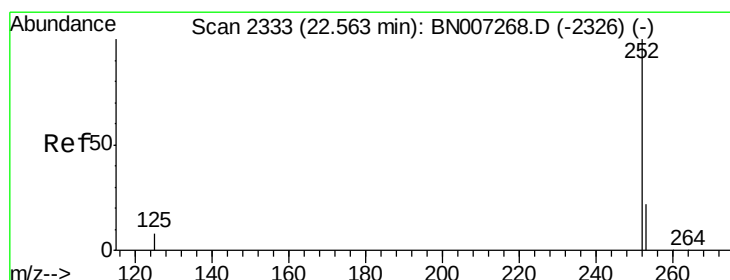
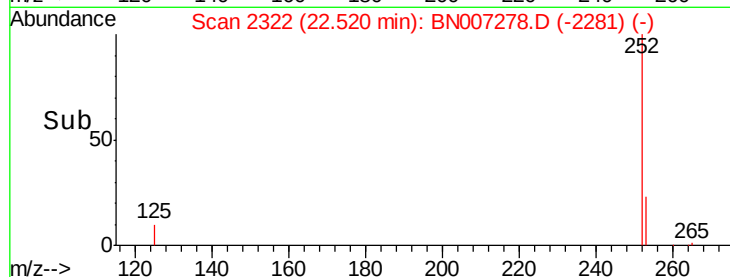
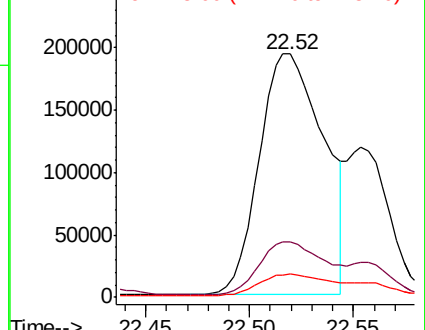
125 9.4 7.8 11.6



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



#36

Benzo(k)fluoranthene

Concen: 2.765 ng

RT: 22.52 min Scan# 2322

Delta R.T. -0.04 min

Lab File: BN007278.D

Acq: 21 Aug 2019 04:15

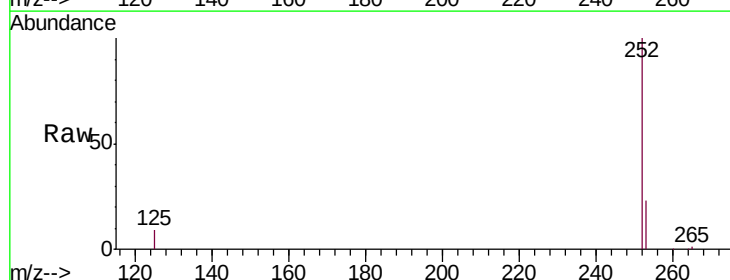
Tgt Ion:252 Resp: 415520

Ion Ratio Lower Upper

252 100

253 22.8 18.4 27.6

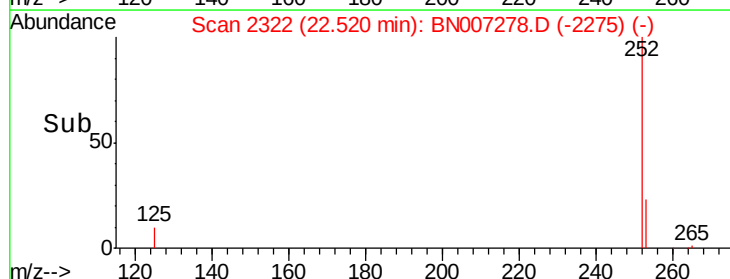
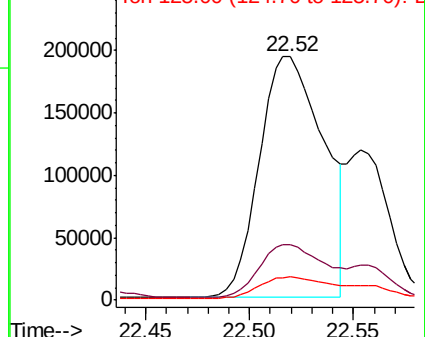
125 9.4 8.0 12.0

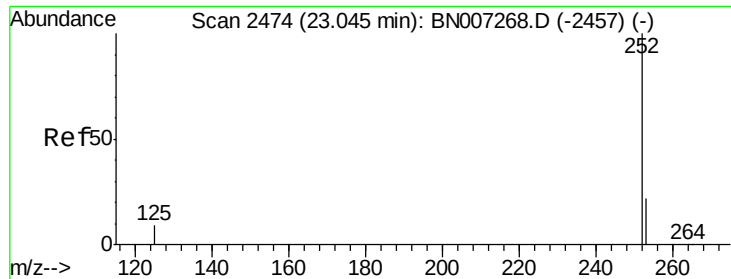


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

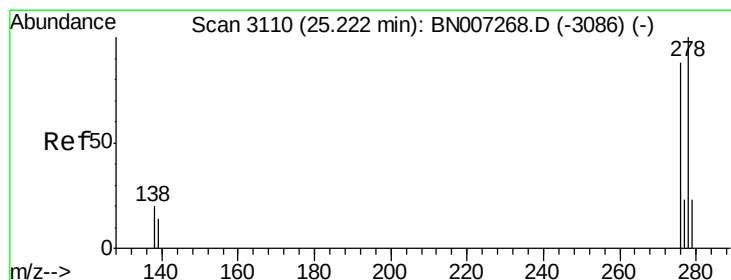
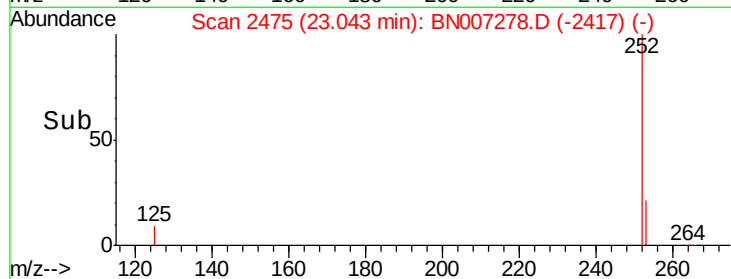
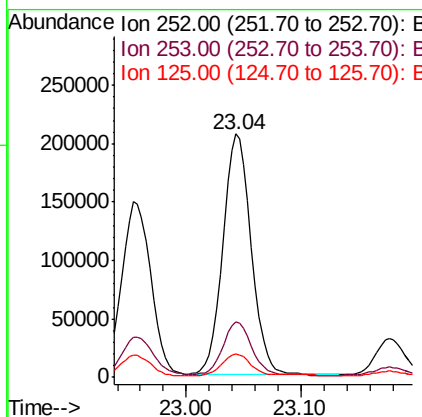
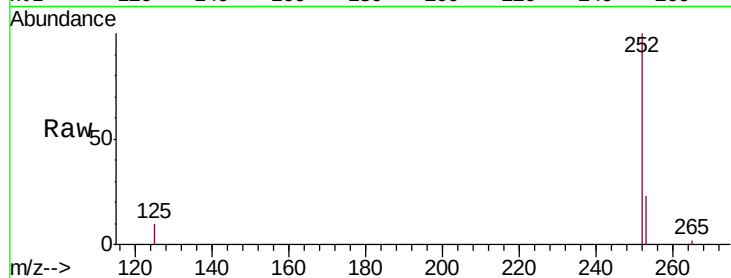




#37
Benzo(a)pyrene
Concen: 2.586 ng
RT: 23.04 min Scan# 2475
Delta R.T. -0.00 min
Lab File: BN007278.D
Acq: 21 Aug 2019 04:15

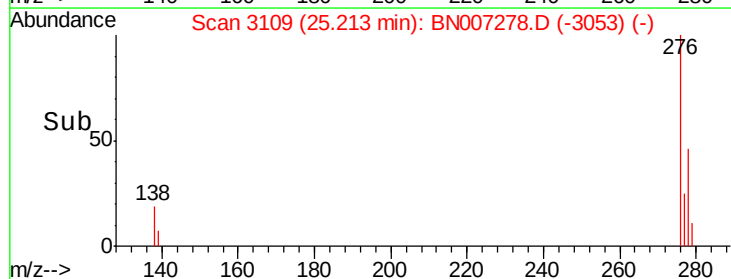
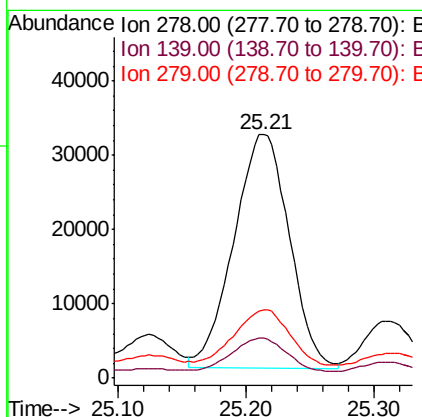
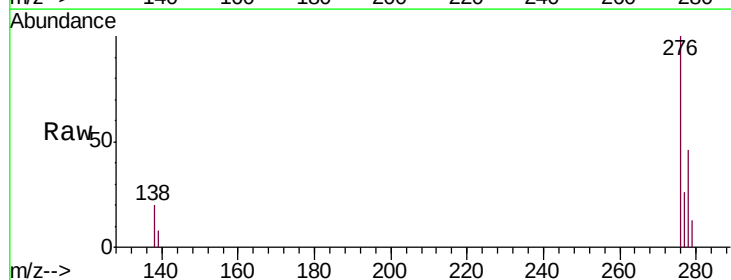
Instrument :
BNA_N
ClientSampleId :
PST-016-SW112-073119-1MSD

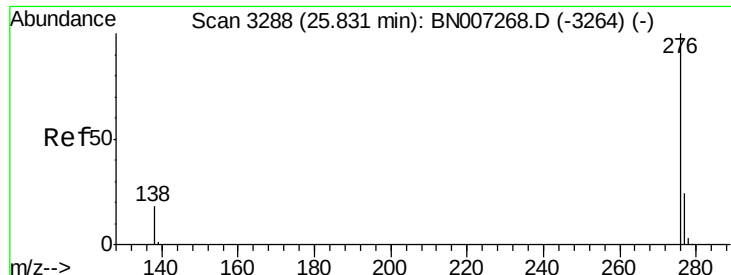
Tgt Ion:252 Resp: 357509
Ion Ratio Lower Upper
252 100
253 22.6 18.7 28.1
125 9.6 8.7 13.1



#38
Dibenzo(a,h)anthracene
Concen: 0.650 ng
RT: 25.21 min Scan# 3109
Delta R.T. -0.01 min
Lab File: BN007278.D
Acq: 21 Aug 2019 04:15

Tgt Ion:278 Resp: 94361
Ion Ratio Lower Upper
278 100
139 16.2 11.8 17.8
279 28.0 19.8 29.6





#39

Benzo(g,h,i)perylene

Concen: 1.782 ng

RT: 25.83 min Scan# 3288

Delta R.T. -0.01 min

Lab File: BN007278.D

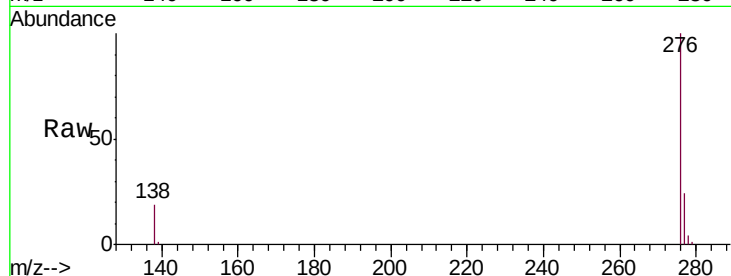
Acq: 21 Aug 2019 04:15

Instrument :

BNA_N

ClientSampleId :

PST-016-SW112-073119-1MSD



Tgt Ion: 276 Resp: 261645

Ion Ratio Lower Upper

276 100

277 24.4 19.5 29.3

138 19.1 15.3 22.9

