

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN090921\
 Data File : BN016280.D
 Acq On : 10 Sep 2021 06:20
 Operator : CG/JU
 Sample : M3561-06
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 VE4-11

Quant Time: Sep 10 08:07:13 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN090921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 09 15:19:08 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

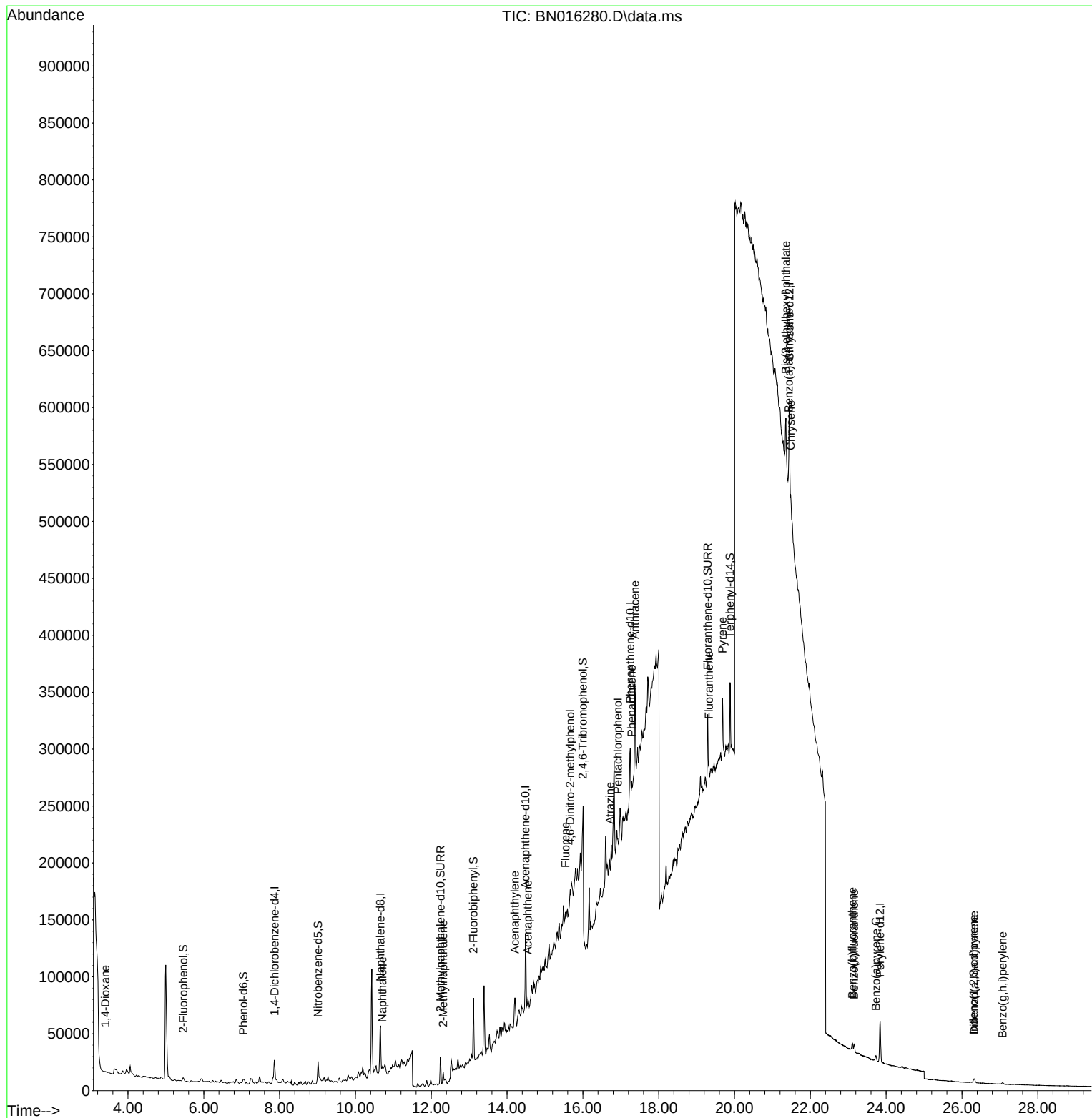
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.864	152	12155	0.400	ng	0.00
7) Naphthalene-d8	10.660	136	60896	0.400	ng	# 0.00
13) Acenaphthene-d10	14.484	164	47621	0.400	ng	-0.01
19) Phenanthrene-d10	17.249	188	82843	0.400	ng	# 0.01
29) Chrysene-d12	21.450	240	86210	0.400	ng	# 0.02
35) Perylene-d12	23.840	264	53441	0.400	ng	# 0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.457	112	4438	0.143	ng	0.00
5) Phenol-d6	7.043	99	3271	0.084	ng	0.00
8) Nitrobenzene-d5	9.012	82	18140	0.371	ng	0.00
11) 2-Methylnaphthalene-d10	12.243	152	33438	0.352	ng	0.00
14) 2,4,6-Tribromophenol	15.994	330	6701	0.343	ng	0.01
15) 2-Fluorobiphenyl	13.114	172	47742	0.256	ng	0.00
27) Fluoranthene-d10	19.291	212	72188	0.297	ng	0.02
31) Terphenyl-d14	19.882	244	64771	0.299	ng	0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.401	88	123	0.029	ng	# 1
9) Naphthalene	10.711	128	5528	0.034	ng	# 26
12) 2-Methylnaphthalene	12.314	142	5734	0.052	ng	# 23
16) Acenaphthylene	14.205	152	18581	0.087	ng	# 4
17) Acenaphthene	14.548	154	3637	0.026	ng	# 47
18) Fluorene	15.537	166	6704	0.039	ng	# 40
20) 4,6-Dinitro-2-methylph...	15.664	198	1701	0.629	ng	# 1
23) Atrazine	16.713	200	11568	0.284	ng	# 1
24) Pentachlorophenol	16.920	266	956	0.237	ng	# 68
25) Phenanthrene	17.285	178	13755	0.057	ng	# 1
26) Anthracene	17.370	178	103890	0.469	ng	# 92
28) Fluoranthene	19.321	202	15887	0.056	ng	# 91
30) Pyrene	19.683	202	53587	0.183	ng	# 86
32) Benzo(a)anthracene	21.429	228	13064	0.049	ng	# 1
33) Chrysene	21.482	228	19042	0.071	ng	# 1
34) Bis(2-ethylhexyl)phtha...	21.355	149	30873	0.187	ng	# 89
36) Indeno(1,2,3-cd)pyrene	26.312	276	4269	0.048	ng	# 81
37) Benzo(b)fluoranthene	23.108	252	10300	0.050	ng	# 1
38) Benzo(k)fluoranthene	23.156	252	9820	0.053	ng	# 1
39) Benzo(a)pyrene	23.731	252	7539	0.049	ng	# 1
40) Dibenzo(a,h)anthracene	26.325	278	3734	0.055	ng	# 1
41) Benzo(g,h,i)perylene	27.072	276	3203	0.043	ng	# 1

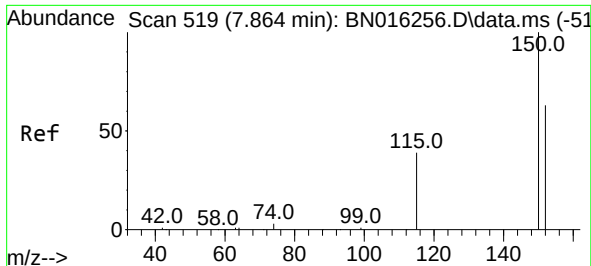
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN090921\
Data File : BN016280.D
Acq On : 10 Sep 2021 06:20
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ALS Vial : 28 Sample Multiplier: 1

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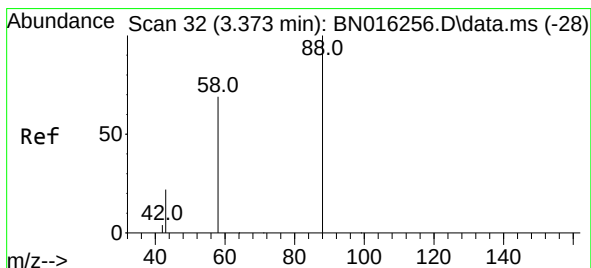
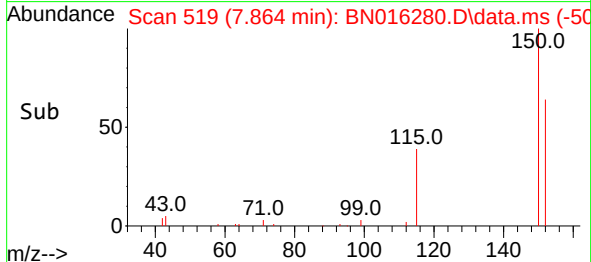
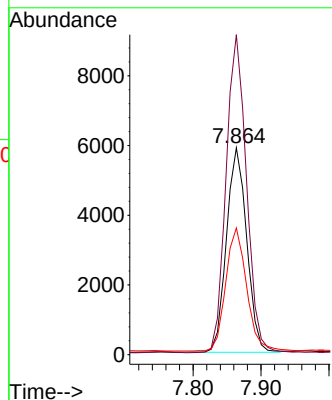
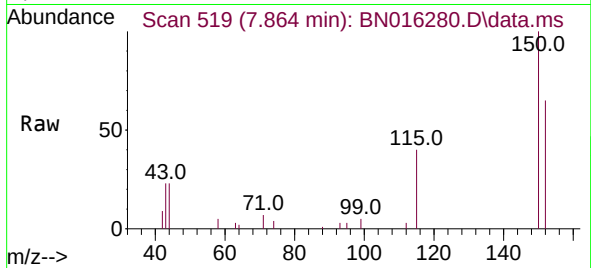




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.864 min Scan# 519
 Delta R.T. -0.000 min
 Lab File: BN016280.D
 Acq: 10 Sep 2021 06:20

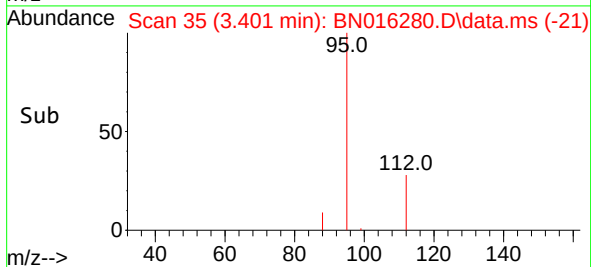
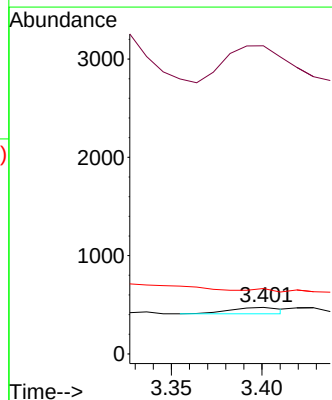
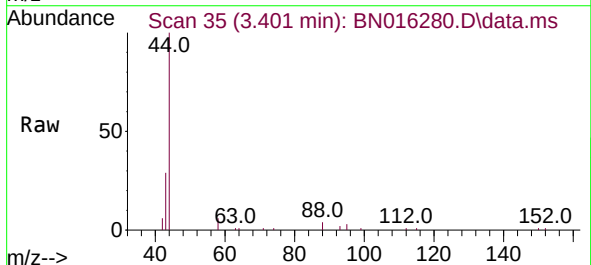
Instrument :
 BNA_N
 ClientSampled :
 VE4-11

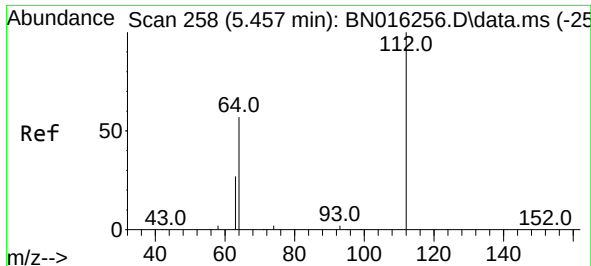
Tgt Ion:152 Resp: 12155
 Ion Ratio Lower Upper
 152 100
 150 154.7 125.6 188.4
 115 61.3 50.2 75.2



#2
 1,4-Dioxane
 Concen: 0.029 ng
 RT: 3.401 min Scan# 35
 Delta R.T. 0.028 min
 Lab File: BN016280.D
 Acq: 10 Sep 2021 06:20

Tgt Ion: 88 Resp: 123
 Ion Ratio Lower Upper
 88 100
 43 639.0 20.3 30.5#
 58 0.0 69.9 104.9#

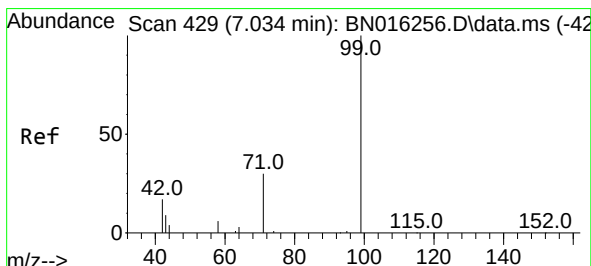
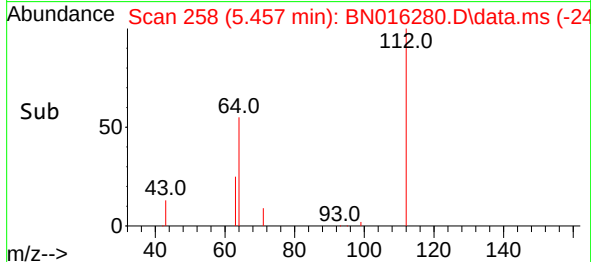
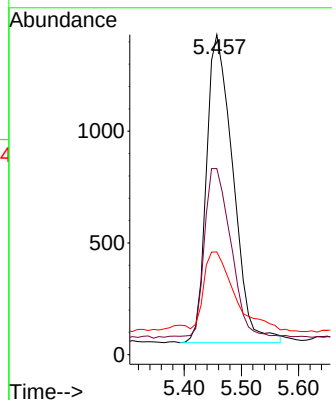
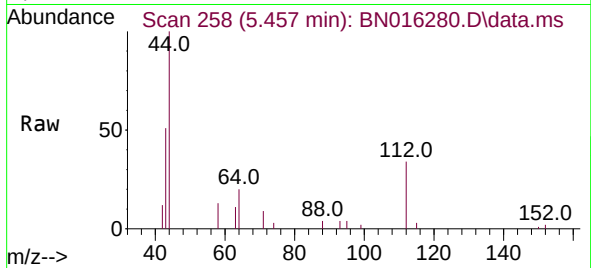




#4
2-Fluorophenol
Concen: 0.143 ng
RT: 5.457 min Scan# 258
Delta R.T. -0.000 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

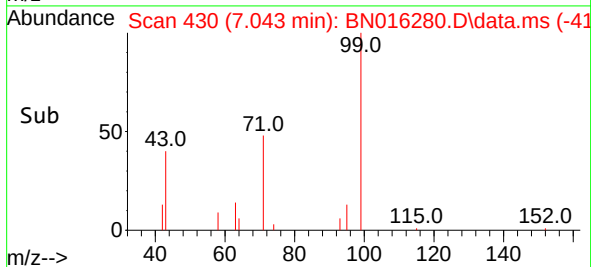
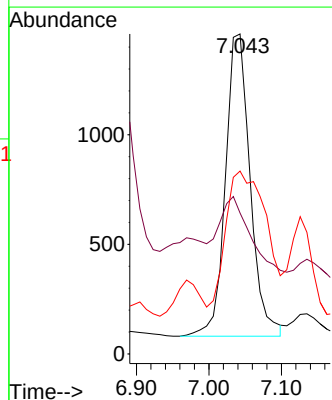
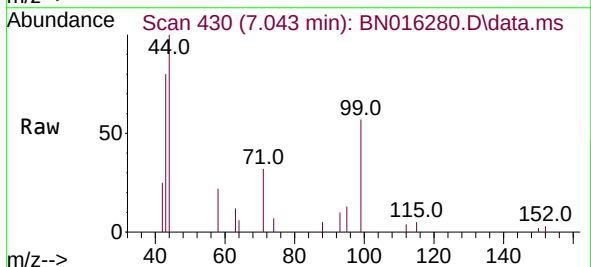
Instrument :
BNA_N
ClientSampled :
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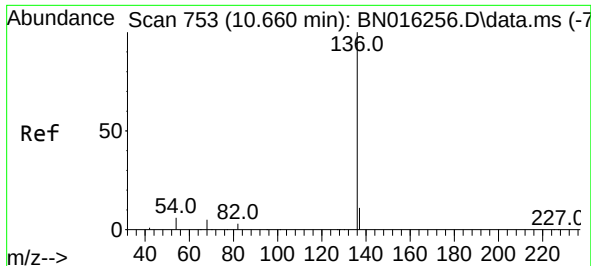
Tgt Ion: 112 Resp: 4438
Ion Ratio Lower Upper
112 100
64 53.2 47.3 70.9
63 28.5 23.4 35.0



#5
Phenol-d6
Concen: 0.084 ng
RT: 7.043 min Scan# 430
Delta R.T. 0.009 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

Tgt Ion: 99 Resp: 3271
Ion Ratio Lower Upper
99 100
42 29.3 14.0 21.0#
71 71.7 23.8 35.6#

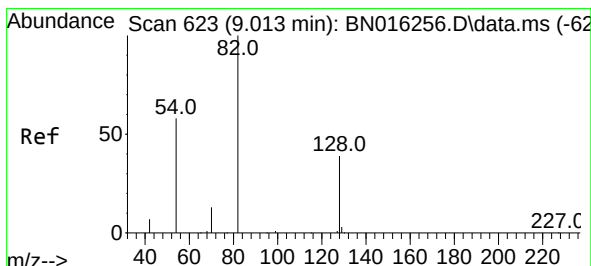
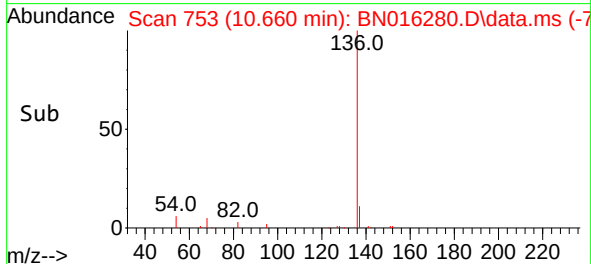
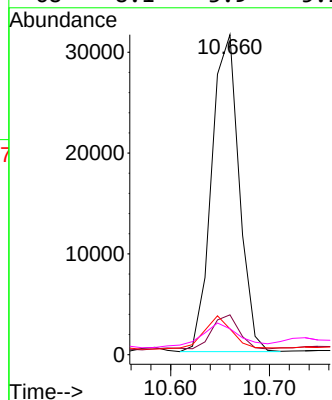
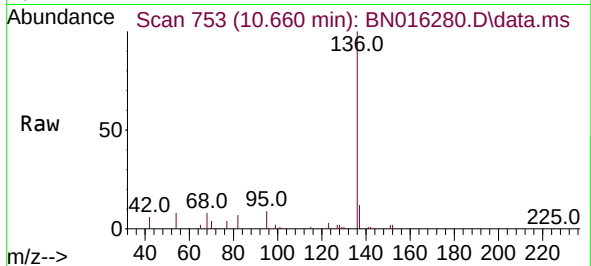




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.660 min Scan# 753
Delta R.T. -0.000 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

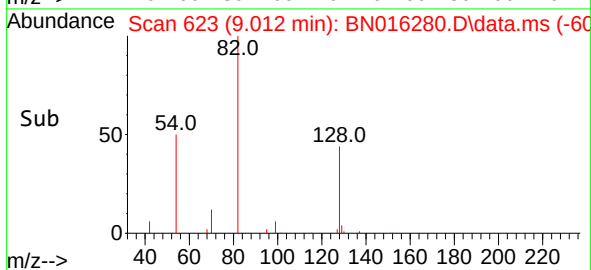
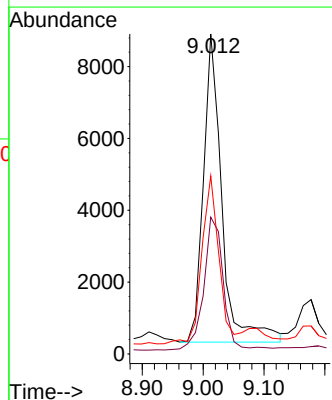
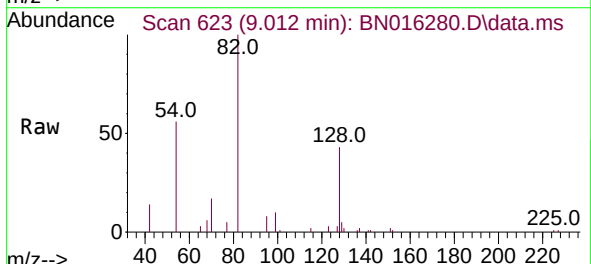
Instrument :
BNA_N
ClientSampleId :
VE4-11

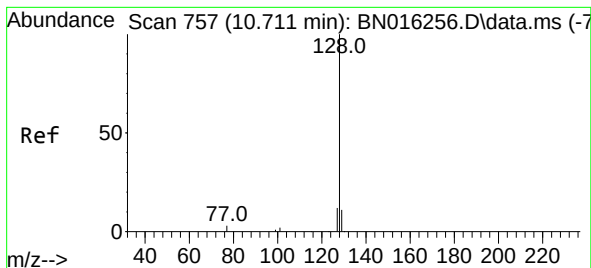
Tgt Ion:136	Resp:	60896
Ion Ratio	Lower	Upper
136	100	
137	12.5	8.8 13.2
54	8.1	5.3 7.9#
68	8.1	3.9 5.9#



#8
Nitrobenzene-d5
Concen: 0.371 ng
RT: 9.012 min Scan# 623
Delta R.T. -0.000 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

Tgt Ion: 82	Resp:	18140
Ion Ratio	Lower	Upper
82	100	
128	42.8	31.7 47.5
54	55.6	46.4 69.6

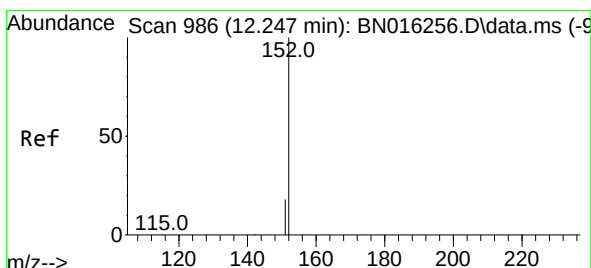
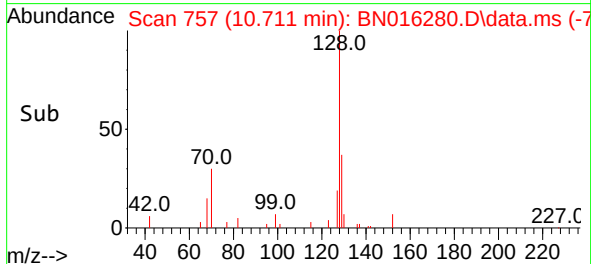
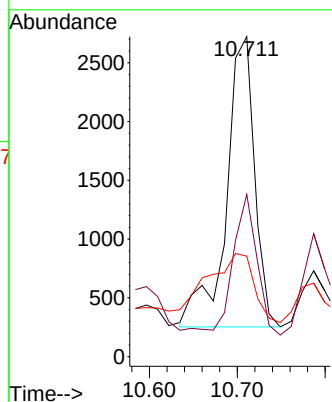
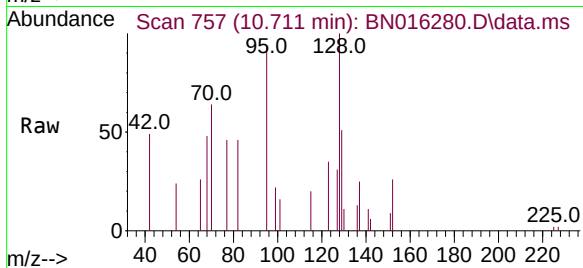




#9
Naphthalene
Concen: 0.034 ng
RT: 10.711 min Scan# 757
Delta R.T. -0.000 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

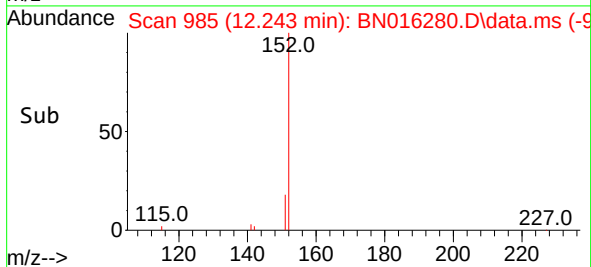
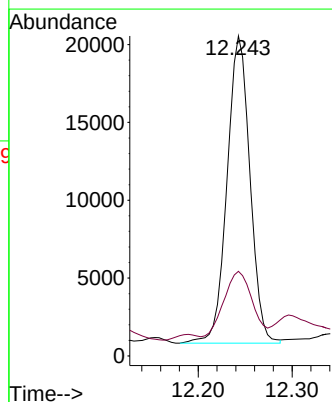
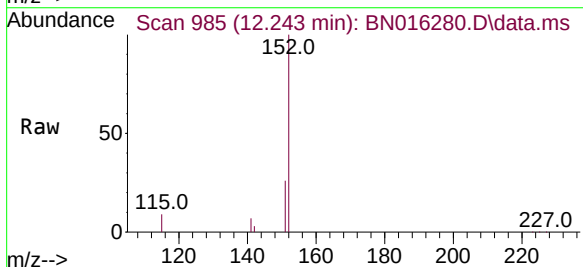
Instrument :
BNA_N
ClientSampleId :
VE4-11

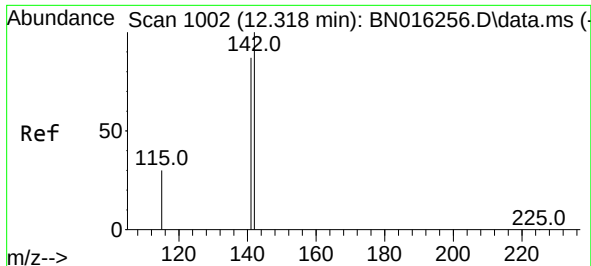
Tgt Ion:128 Resp: 5528
Ion Ratio Lower Upper
128 100
129 50.7 8.9 13.3#
127 31.4 10.1 15.1#



#11
2-Methylnaphthalene-d10
Concen: 0.352 ng
RT: 12.243 min Scan# 985
Delta R.T. -0.005 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

Tgt Ion:152 Resp: 33438
Ion Ratio Lower Upper
152 100
151 26.0 16.1 24.1#

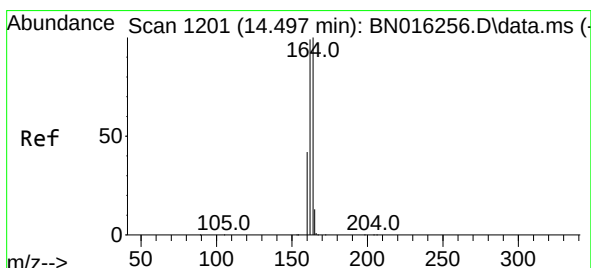
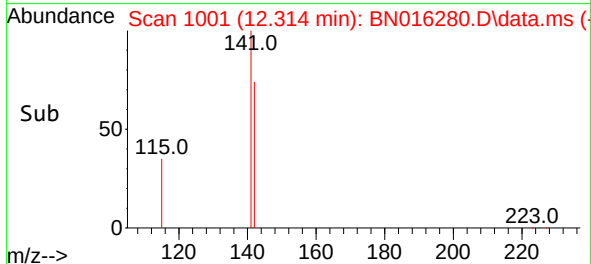
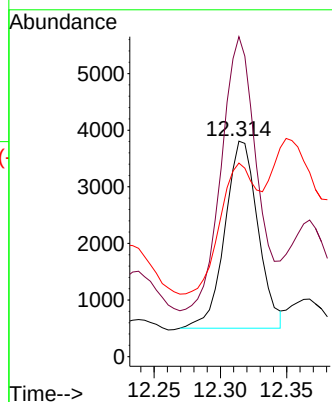
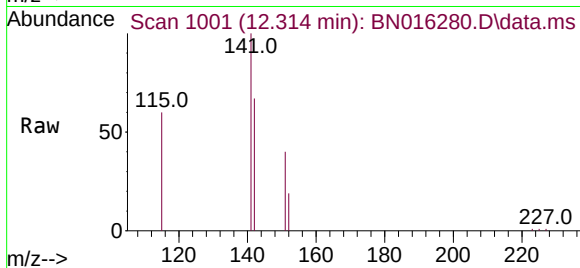




#12
2-Methylnaphthalene
Concen: 0.052 ng
RT: 12.314 min Scan# 1001
Delta R.T. -0.005 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

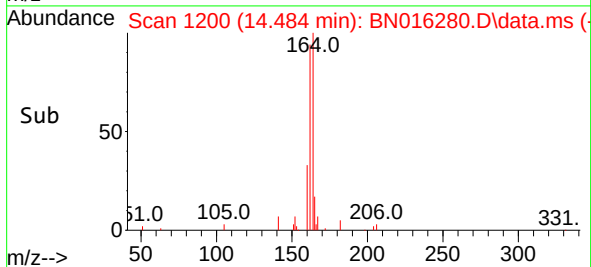
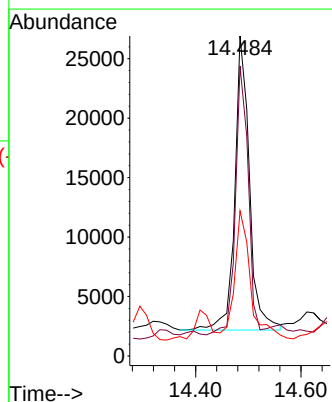
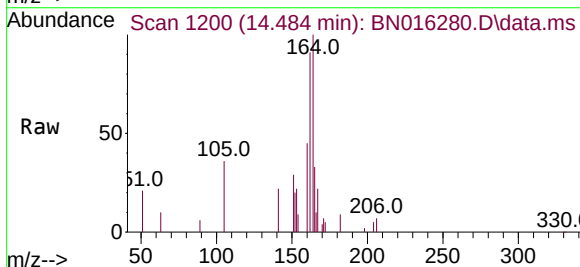
Instrument :
BNA_N
ClientSampleId :
VE4-11

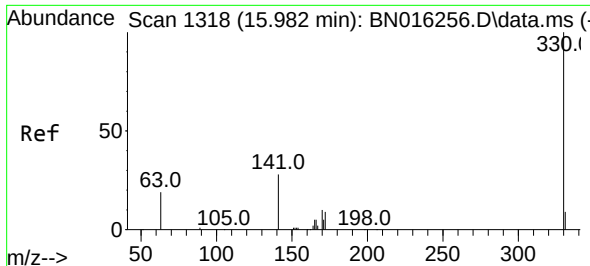
Tgt Ion:142 Resp: 5734
Ion Ratio Lower Upper
142 100
141 148.5 69.8 104.8#
115 89.8 24.4 36.6#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 1200
Delta R.T. -0.013 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

Tgt Ion:164 Resp: 47621
Ion Ratio Lower Upper
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162 90.6 79.0 118.4
160 45.4 34.1 51.1

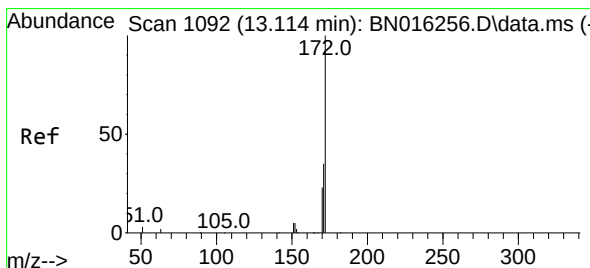
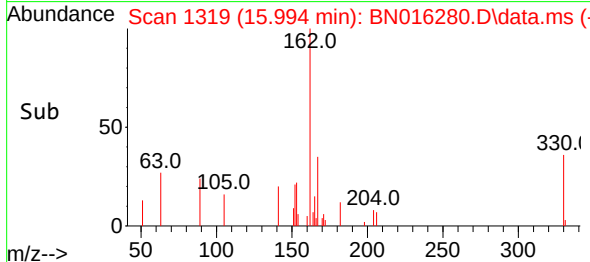
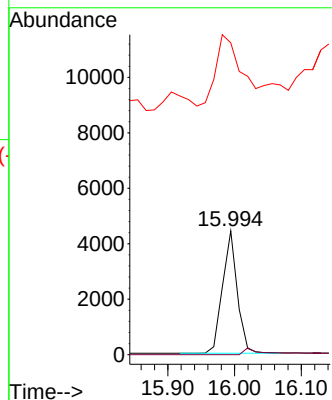
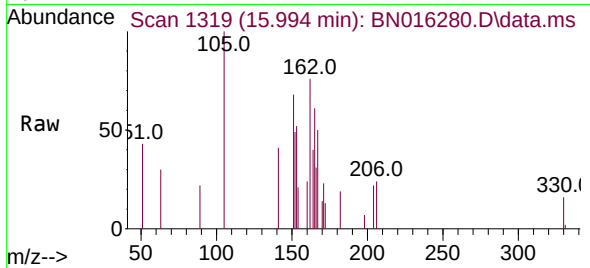




#14
2,4,6-Tribromophenol
Concen: 0.343 ng
RT: 15.994 min Scan# 1319
Delta R.T. 0.013 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

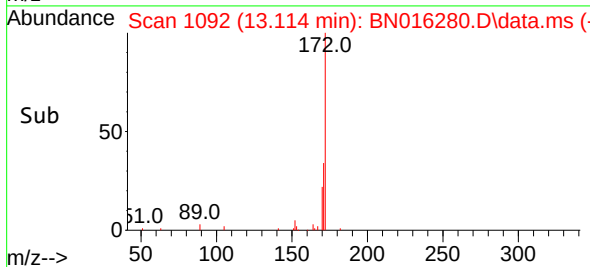
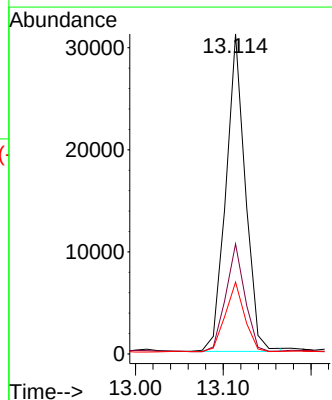
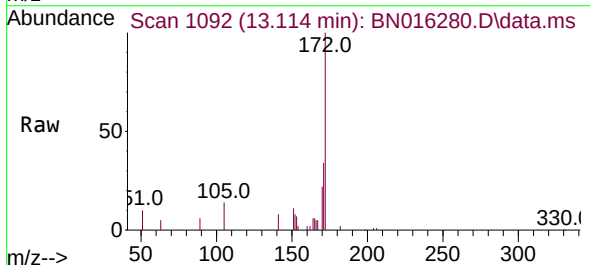
Instrument :
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ClientSampled :
VE4-11

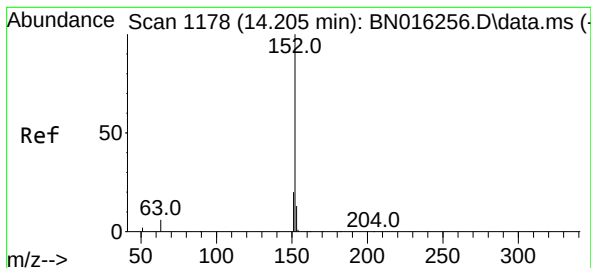
Tgt Ion:330 Resp: 6701
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 108.4 25.0 37.4#



#15
2-Fluorobiphenyl
Concen: 0.256 ng
RT: 13.114 min Scan# 1092
Delta R.T. -0.000 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

Tgt Ion:172 Resp: 47742
Ion Ratio Lower Upper
172 100
171 34.4 27.8 41.6
170 22.4 18.2 27.2

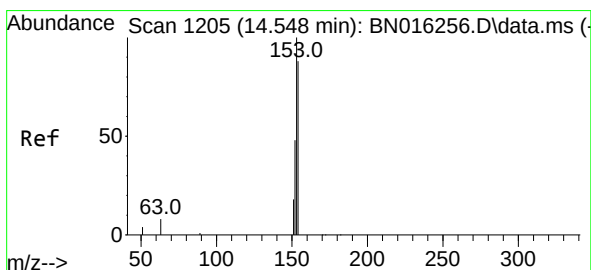
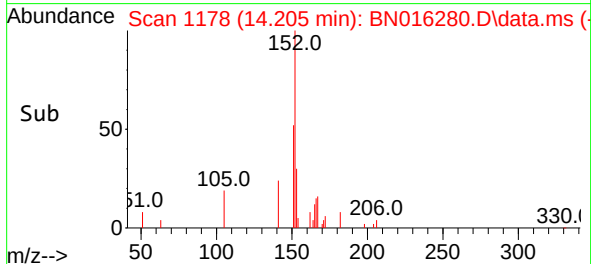
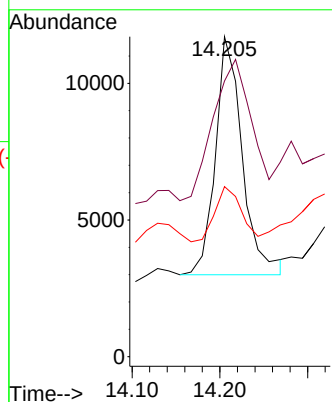
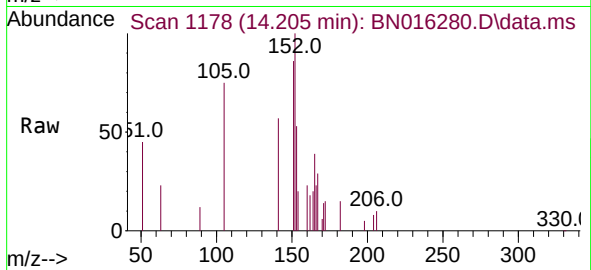




#16
Acenaphthylene
Concen: 0.087 ng
RT: 14.205 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

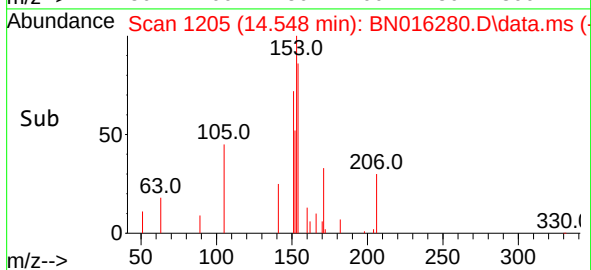
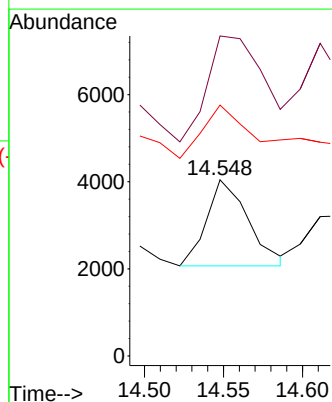
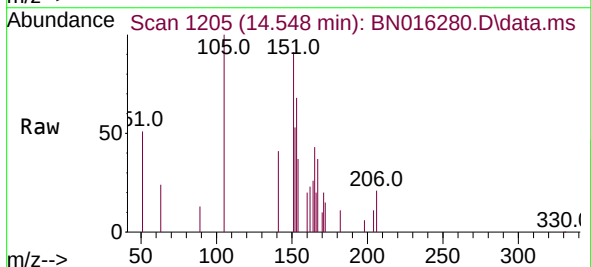
Instrument :
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VE4-11

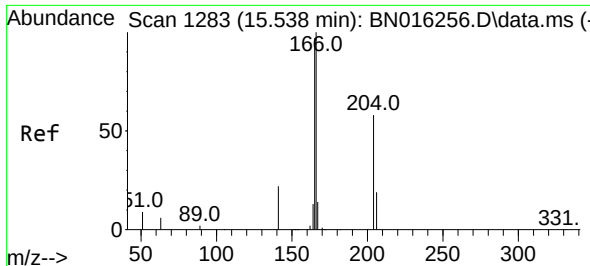
Tgt Ion:152 Resp: 18581
Ion Ratio Lower Upper
152 100
151 84.5 15.2 22.8#
153 22.8 10.5 15.7#



#17
Acenaphthene
Concen: 0.026 ng
RT: 14.548 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

Tgt Ion:154 Resp: 3637
Ion Ratio Lower Upper
154 100
153 165.3 89.3 133.9#
152 95.1 42.2 63.4#

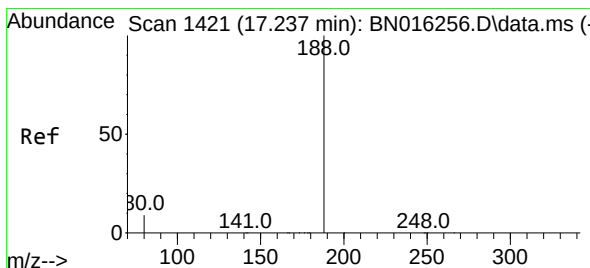
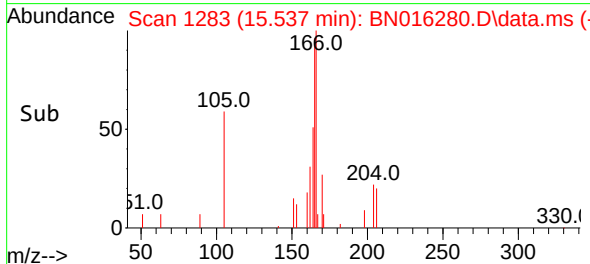
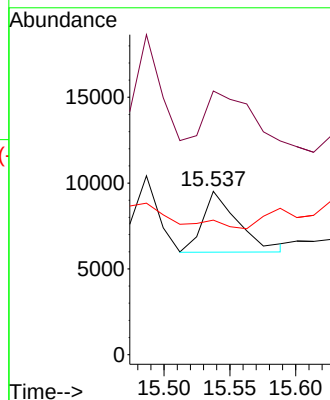
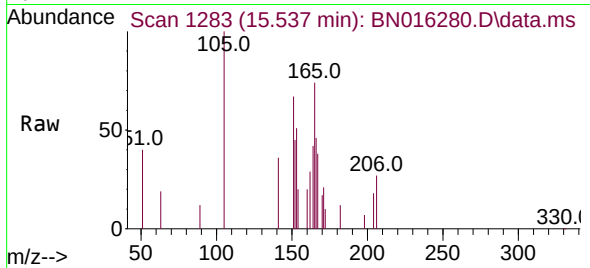




#18
Fluorene
Concen: 0.039 ng
RT: 15.537 min Scan# 1283
Delta R.T. -0.000 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

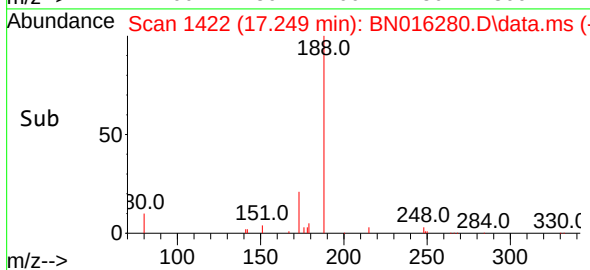
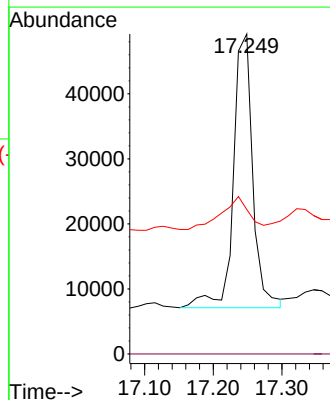
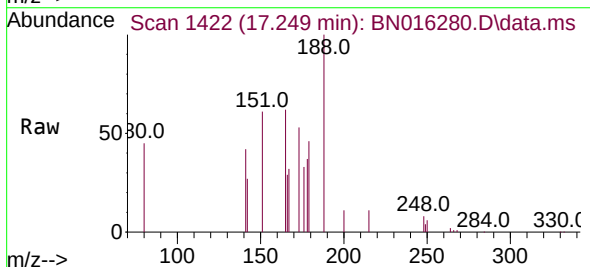
Instrument :
BNA_N
ClientSampled :
VE4-11

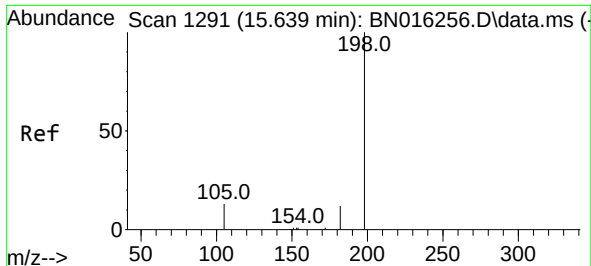
Tgt Ion:166 Resp: 6704
Ion Ratio Lower Upper
166 100
165 158.3 76.7 115.1#
167 0.0 10.9 16.3#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.249 min Scan# 1422
Delta R.T. 0.012 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

Tgt Ion:188 Resp: 82843
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 45.1 7.0 10.6#

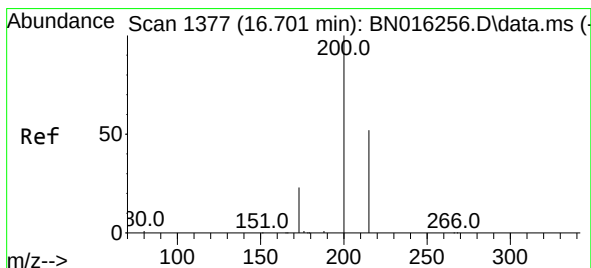
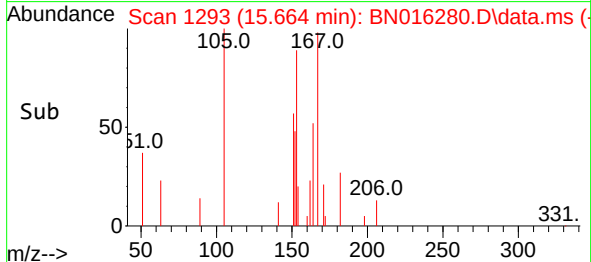
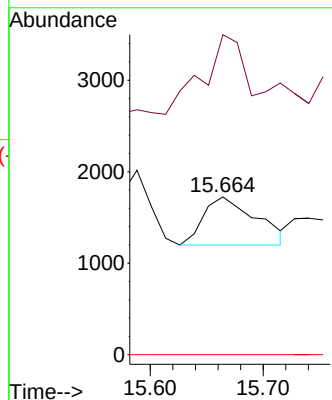
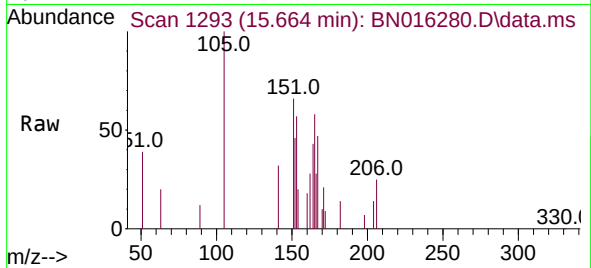




#20
4,6-Dinitro-2-methylphenol
Concen: 0.629 ng
RT: 15.664 min Scan# 1293
Delta R.T. 0.025 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

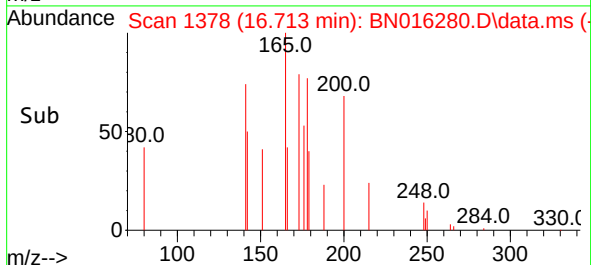
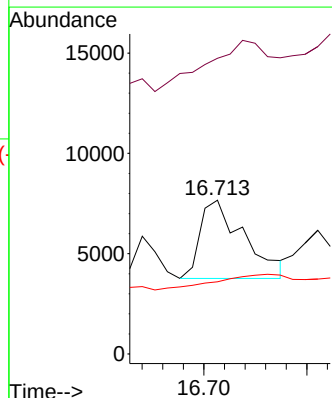
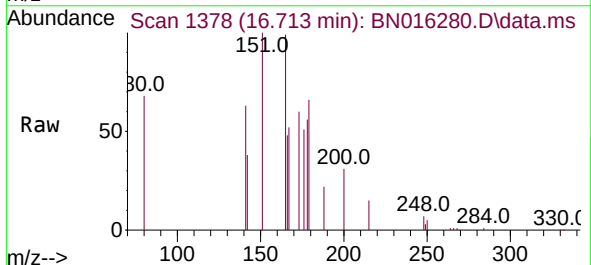
Instrument :
BNA_N
ClientSampled :
VE4-11

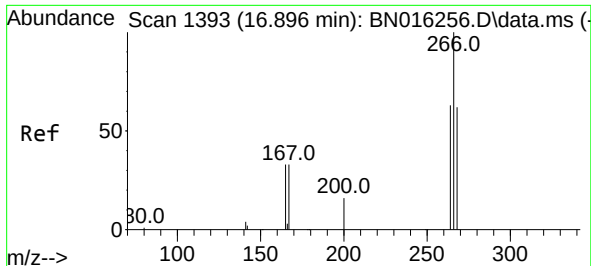
Tgt Ion:198 Resp: 1701
Ion Ratio Lower Upper
198 100
182 202.8 26.6 39.8#
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.284 ng
RT: 16.713 min Scan# 1378
Delta R.T. 0.012 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

Tgt Ion:200 Resp: 11568
Ion Ratio Lower Upper
200 100
173 192.2 18.7 28.1#
215 46.9 41.6 62.4

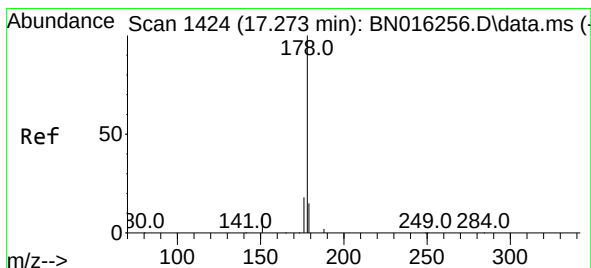
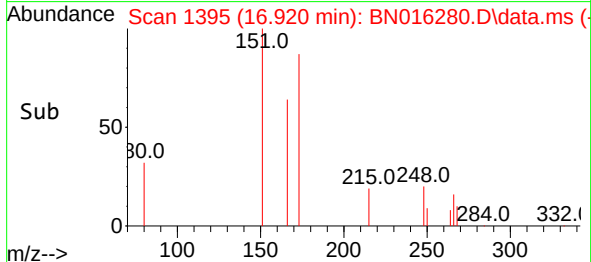
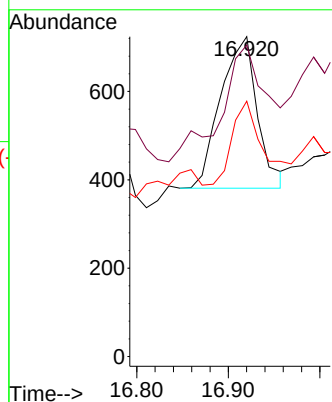
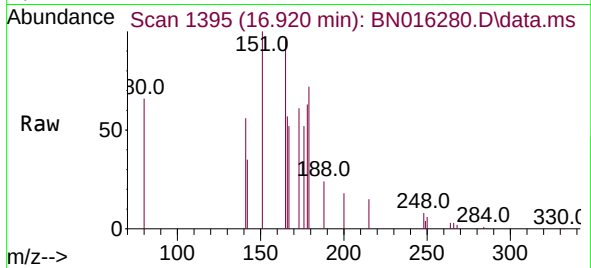




#24
Pentachlorophenol
Concen: 0.237 ng
RT: 16.920 min Scan# 1395
Delta R.T. 0.024 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

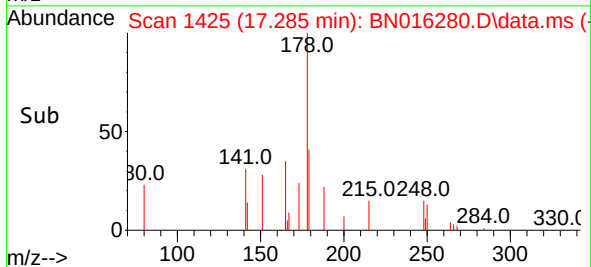
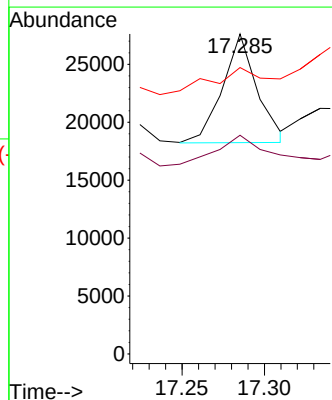
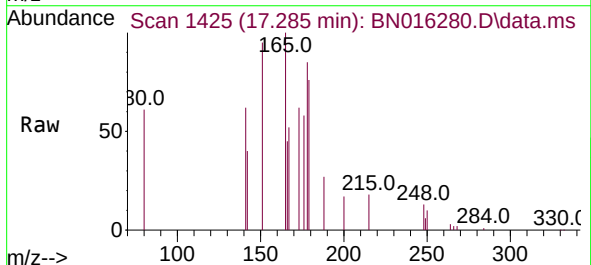
Instrument :
BNA_N
ClientSampleId :
VE4-11

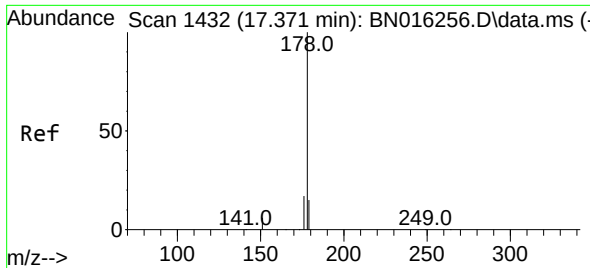
Tgt Ion:266 Resp: 956
Ion Ratio Lower Upper
266 100
264 96.8 50.6 75.8#
268 48.3 52.6 79.0#



#25
Phenanthrene
Concen: 0.057 ng
RT: 17.285 min Scan# 1425
Delta R.T. 0.012 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

Tgt Ion:178 Resp: 13755
Ion Ratio Lower Upper
178 100
176 39.6 14.4 21.6#
179 151.1 12.2 18.4#

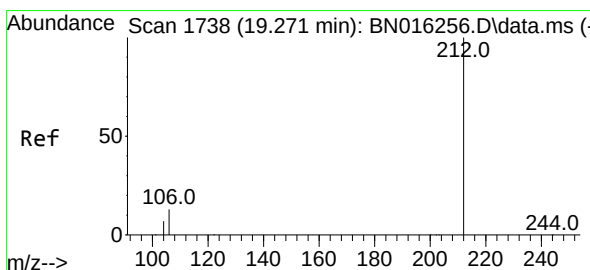
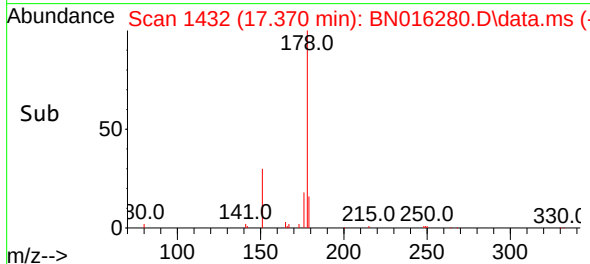
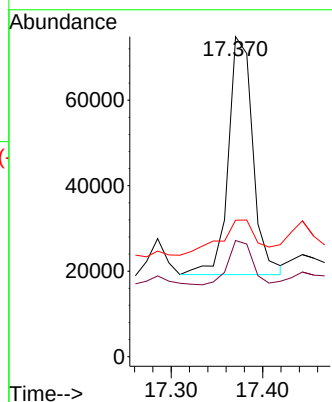
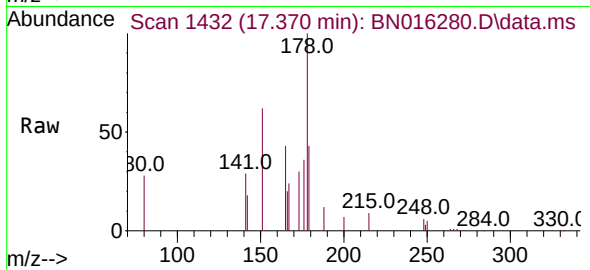




#26
 Anthracene
 Concen: 0.469 ng
 RT: 17.370 min Scan# 1432
 Delta R.T. -0.000 min
 Lab File: BN016280.D
 Acq: 10 Sep 2021 06:20

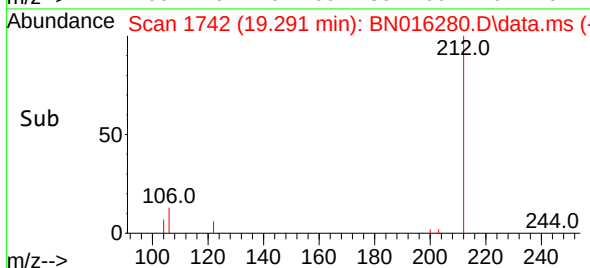
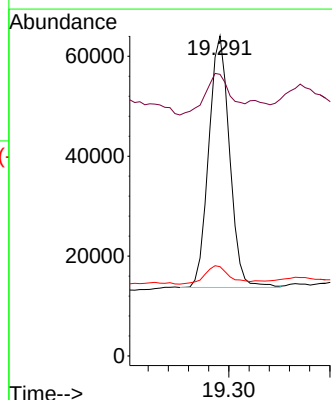
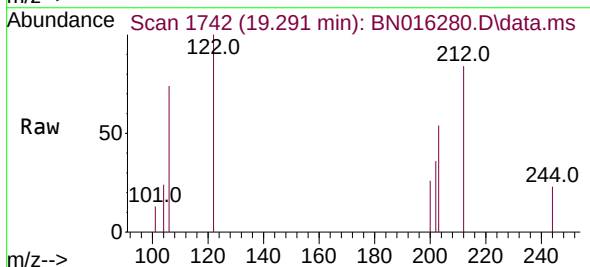
Instrument :
 BNA_N
 ClientSampled :
 VE4-11

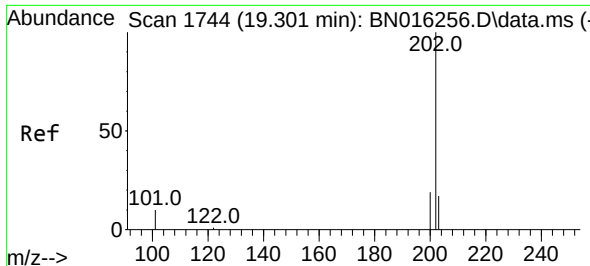
Tgt Ion:178 Resp: 103890
 Ion Ratio Lower Upper
 178 100
 176 18.3 13.9 20.9
 179 21.6 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.297 ng
 RT: 19.291 min Scan# 1742
 Delta R.T. 0.020 min
 Lab File: BN016280.D
 Acq: 10 Sep 2021 06:20

Tgt Ion:212 Resp: 72188
 Ion Ratio Lower Upper
 212 100
 106 20.3 9.8 14.6#
 104 8.5 5.4 8.2#

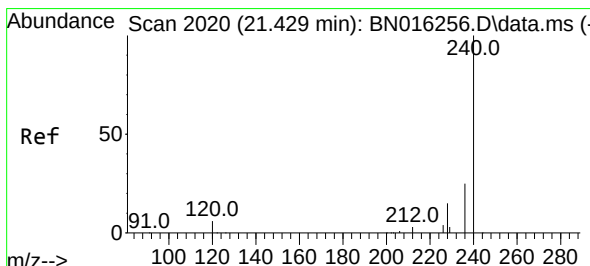
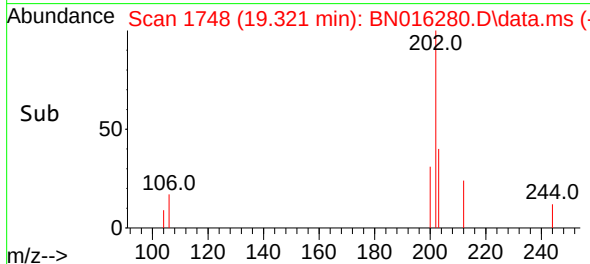
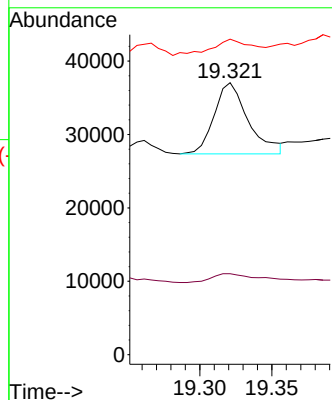
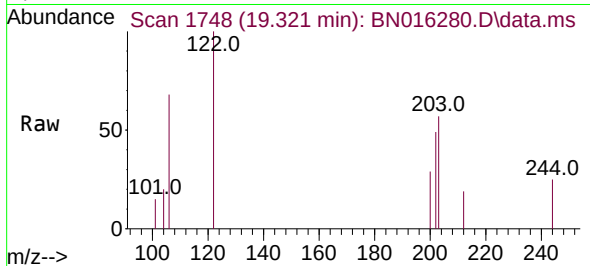




#28
Fluoranthene
Concen: 0.056 ng
RT: 19.321 min Scan# 1748
Delta R.T. 0.020 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

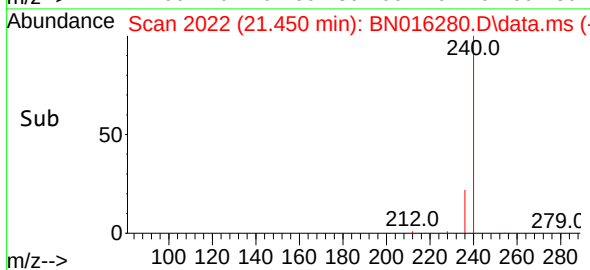
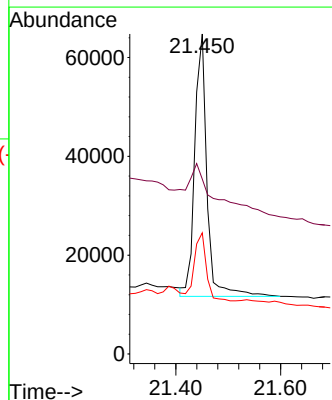
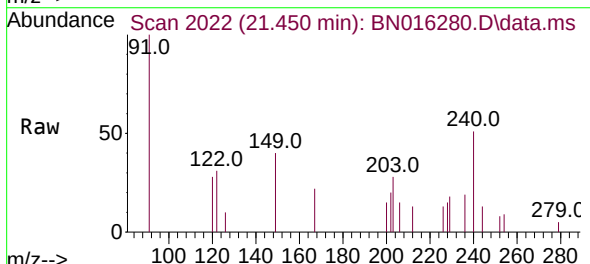
Instrument :
BNA_N
ClientSampleId :
VE4-11

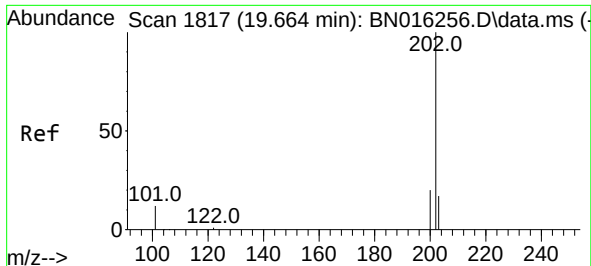
Tgt Ion:202 Resp: 15887
Ion Ratio Lower Upper
202 100
101 19.3 8.5 12.7#
203 17.1 13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.450 min Scan# 2022
Delta R.T. 0.021 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

Tgt Ion:240 Resp: 86210
Ion Ratio Lower Upper
240 100
120 54.7 5.3 7.9#
236 37.8 19.8 29.8#

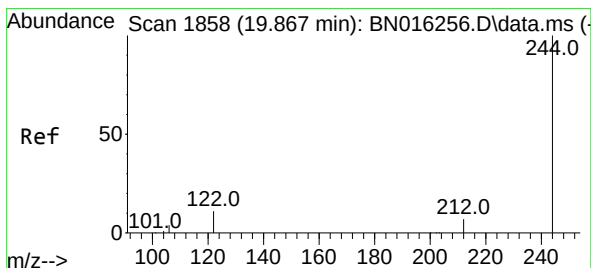
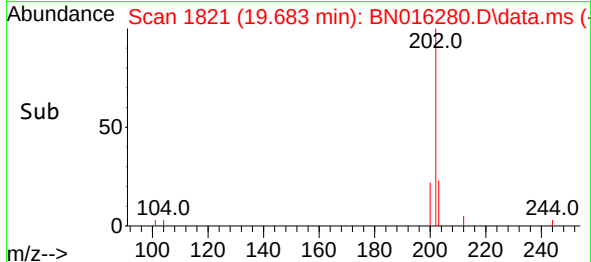
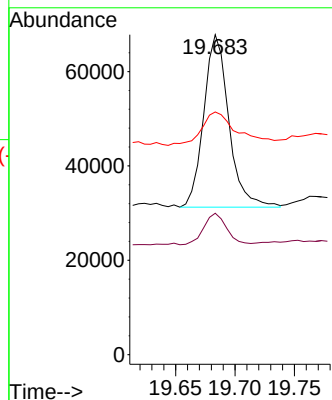
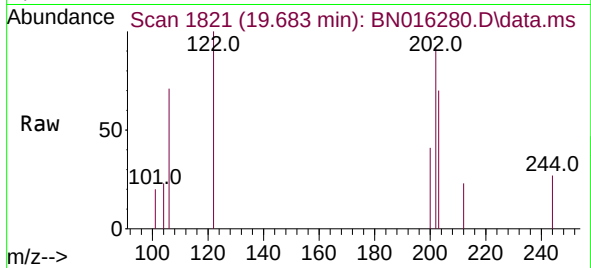




#30
Pyrene
Concen: 0.183 ng
RT: 19.683 min Scan# 1821
Delta R.T. 0.020 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

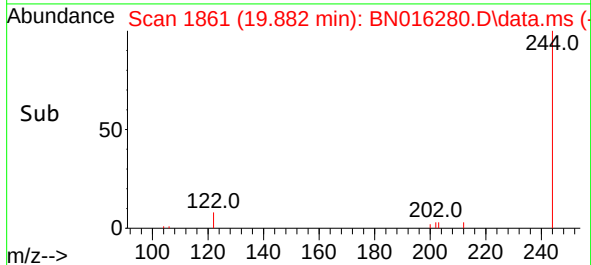
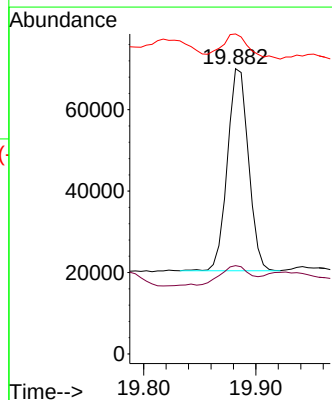
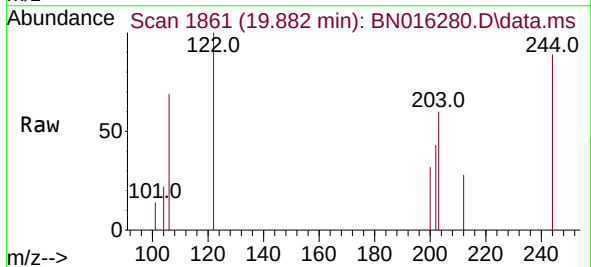
Instrument :
BNA_N
ClientSampleId :
VE4-11

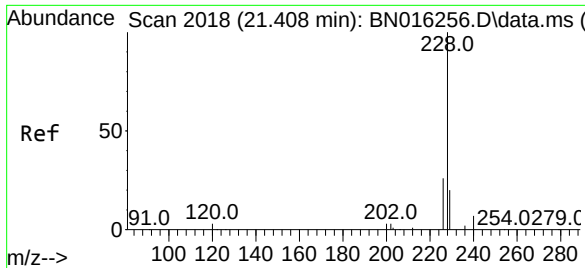
Tgt Ion:202 Resp: 53587
Ion Ratio Lower Upper
202 100
200 17.4 15.8 23.6
203 27.9 13.9 20.9#



#31
Terphenyl-d14
Concen: 0.299 ng
RT: 19.882 min Scan# 1861
Delta R.T. 0.015 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

Tgt Ion:244 Resp: 64771
Ion Ratio Lower Upper
244 100
212 31.0 5.5 8.3#
122 112.2 9.0 13.4#

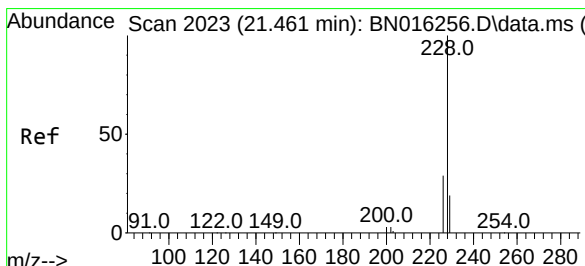
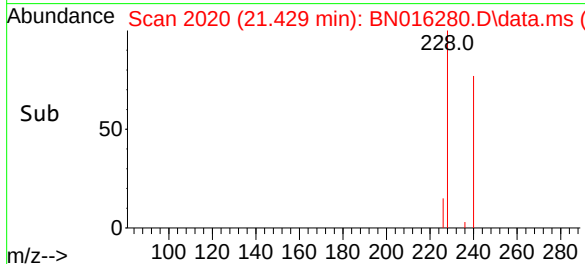
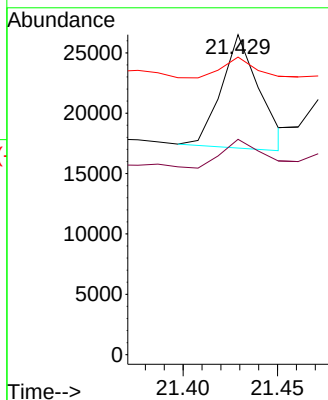
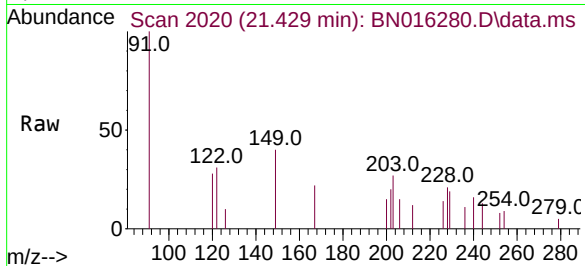




#32
Benzo(a)anthracene
Concen: 0.049 ng
RT: 21.429 min Scan# 2020
Delta R.T. 0.021 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

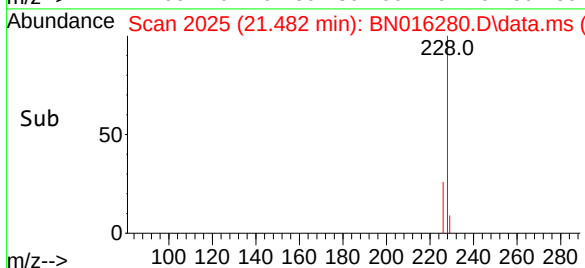
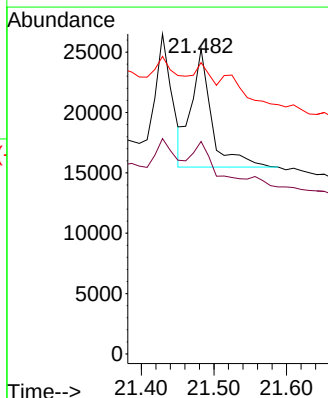
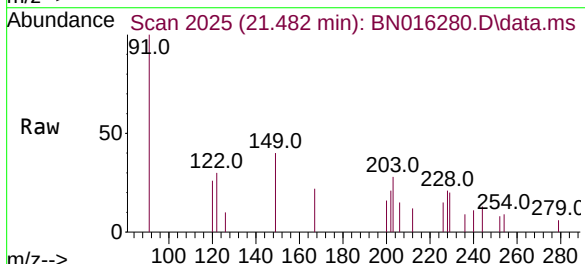
Instrument :
BNA_N
ClientSampled :
VE4-11

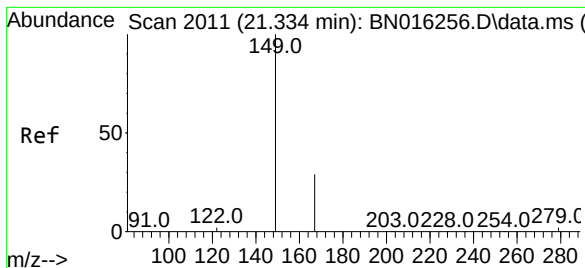
Tgt Ion:228 Resp: 13064
Ion Ratio Lower Upper
228 100
226 67.3 20.8 31.2#
229 93.0 15.8 23.6#



#33
Chrysene
Concen: 0.071 ng
RT: 21.482 min Scan# 2025
Delta R.T. 0.021 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

Tgt Ion:228 Resp: 19042
Ion Ratio Lower Upper
228 100
226 69.7 23.0 34.4#
229 95.5 15.6 23.4#

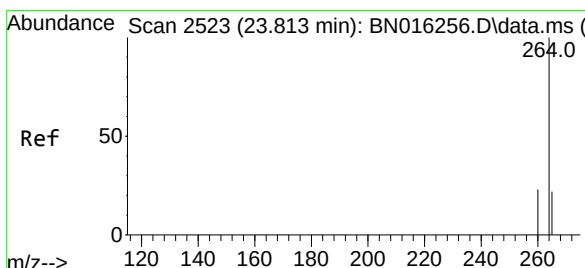
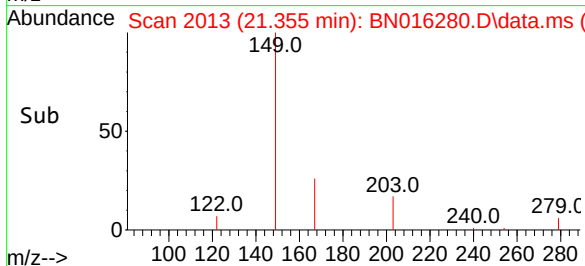
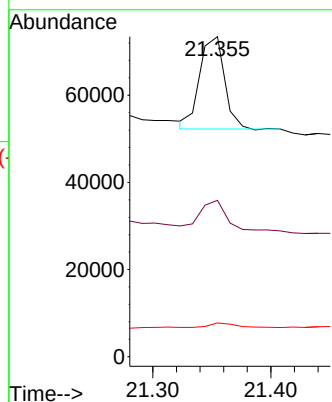
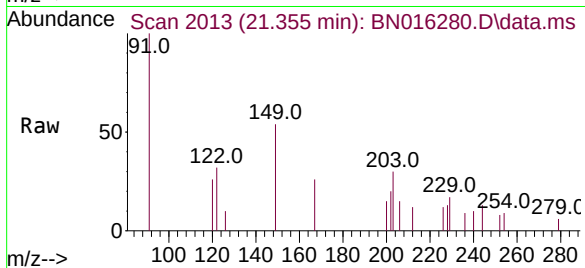




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.187 ng
RT: 21.355 min Scan# 2013
Delta R.T. 0.021 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

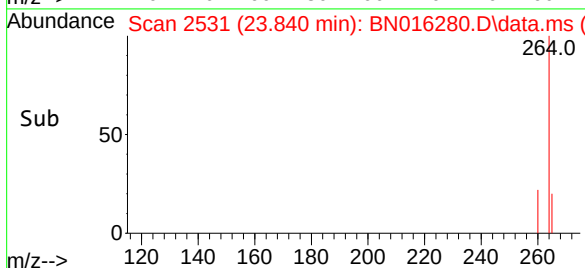
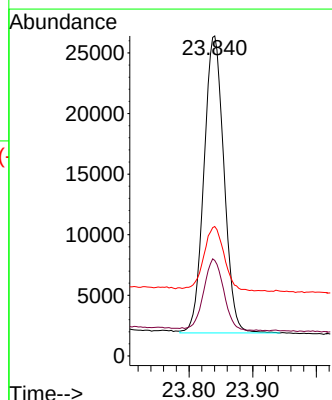
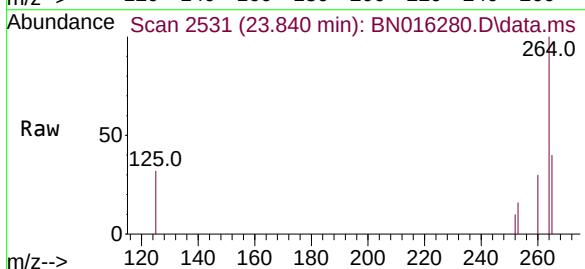
Instrument :
BNA_N
ClientSampleId :
VE4-11

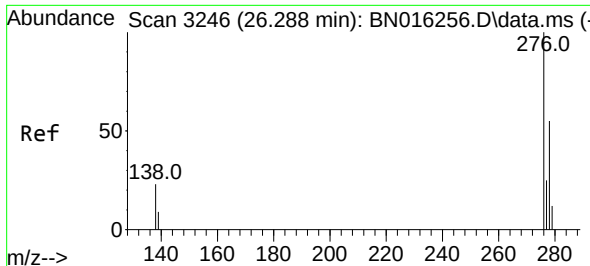
Tgt Ion:149 Resp: 30873
Ion Ratio Lower Upper
149 100
167 35.3 23.4 35.0#
279 8.9 3.9 5.9#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.840 min Scan# 2531
Delta R.T. 0.027 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

Tgt Ion:264 Resp: 53441
Ion Ratio Lower Upper
264 100
260 29.8 18.9 28.3#
265 40.5 23.7 35.5#

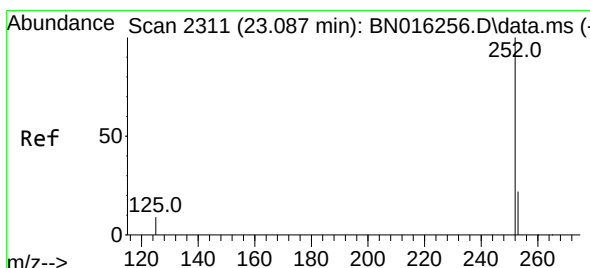
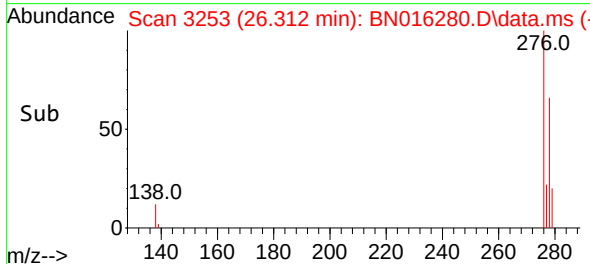
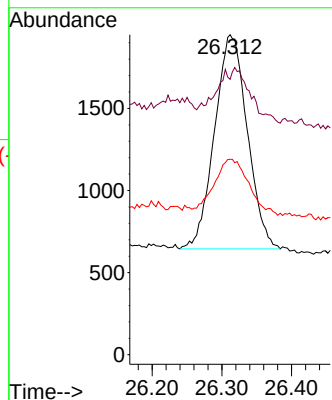
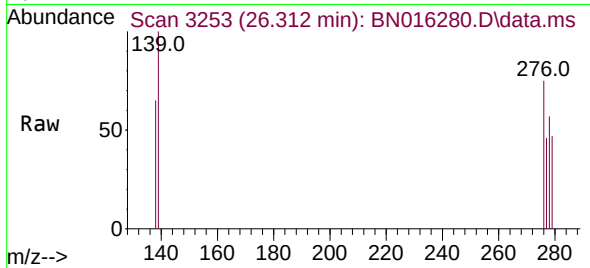




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.048 ng
RT: 26.312 min Scan# 3253
Delta R.T. 0.024 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

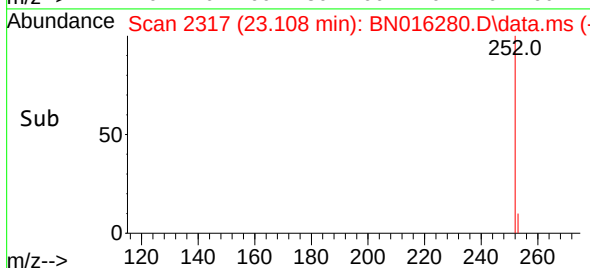
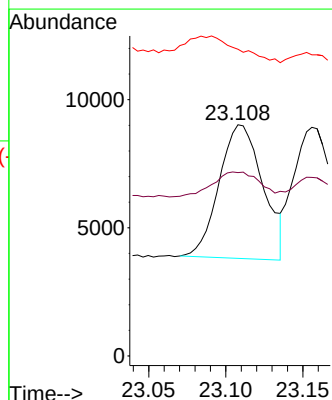
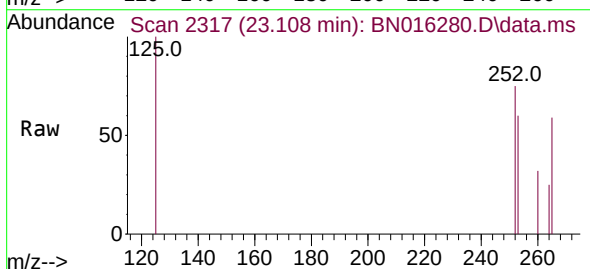
Instrument :
BNA_N
ClientSampleId :
VE4-11

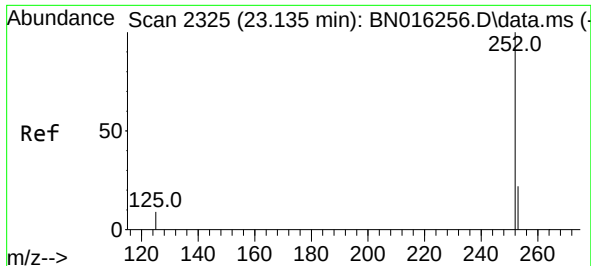
Tgt Ion:276 Resp: 4269
Ion Ratio Lower Upper
276 100
138 7.4 19.3 28.9#
277 27.8 20.2 30.2



#37
Benzo(b)fluoranthene
Concen: 0.050 ng
RT: 23.108 min Scan# 2317
Delta R.T. 0.020 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

Tgt Ion:252 Resp: 10300
Ion Ratio Lower Upper
252 100
253 79.3 18.2 27.2#
125 132.6 8.4 12.6#

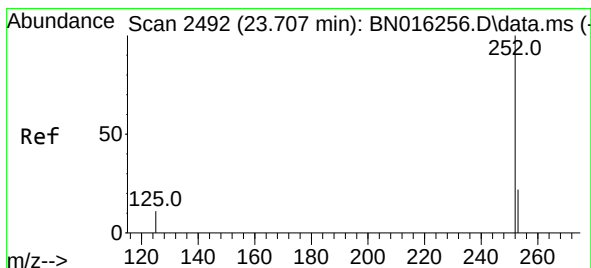
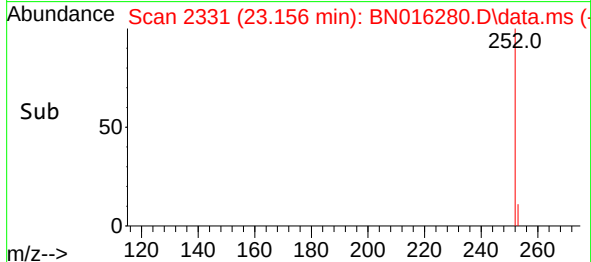
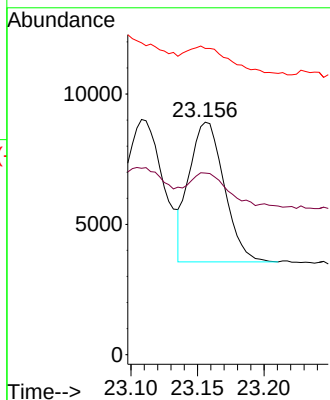
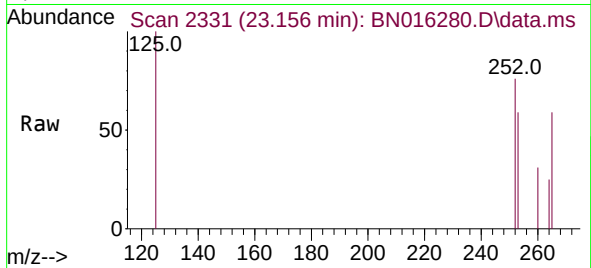




#38
Benzo(k)fluoranthene
Concen: 0.053 ng
RT: 23.156 min Scan# 2331
Delta R.T. 0.020 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

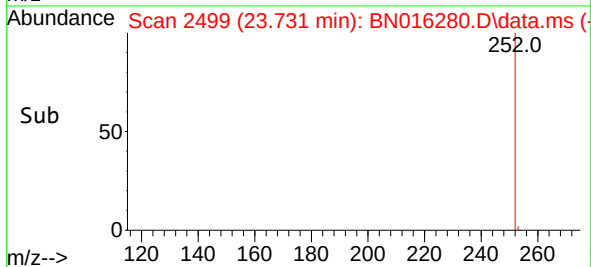
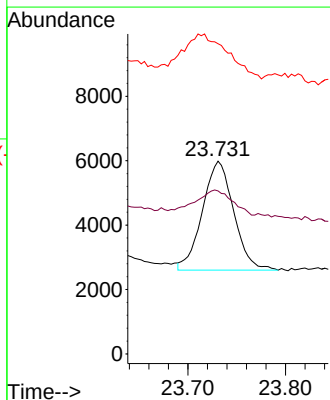
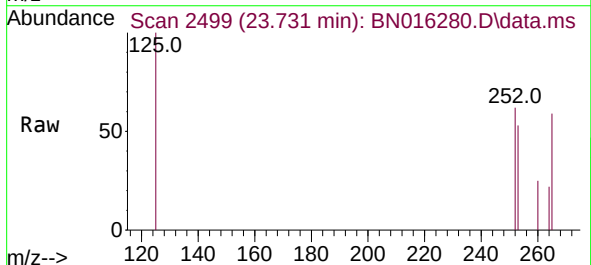
Instrument :
BNA_N
ClientSampleId :
VE4-11

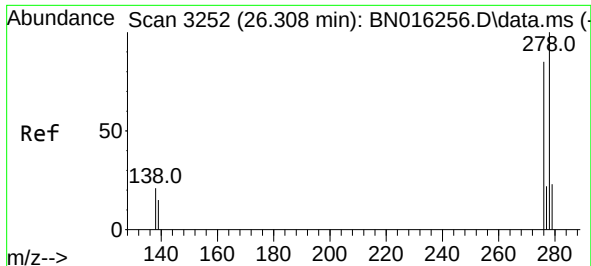
Tgt Ion:252 Resp: 9820
Ion Ratio Lower Upper
252 100
253 78.1 18.2 27.2#
125 131.7 8.2 12.4#



#39
Benzo(a)pyrene
Concen: 0.049 ng
RT: 23.731 min Scan# 2499
Delta R.T. 0.024 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

Tgt Ion:252 Resp: 7539
Ion Ratio Lower Upper
252 100
253 84.6 18.7 28.1#
125 160.9 9.9 14.9#

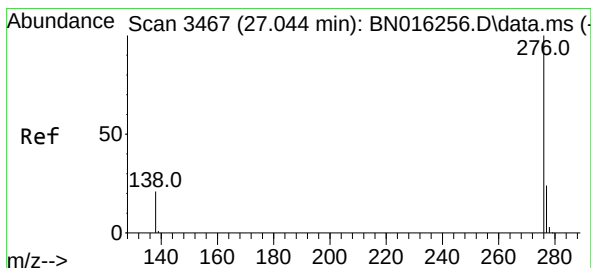
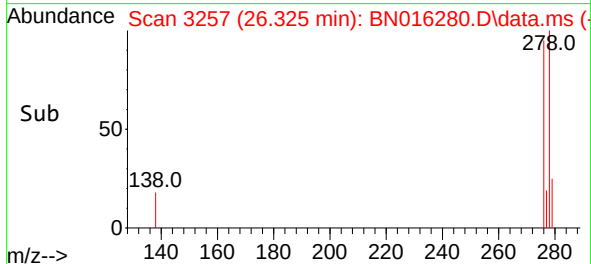
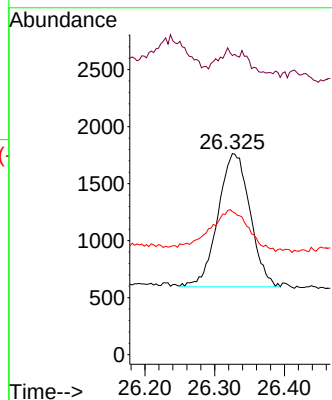
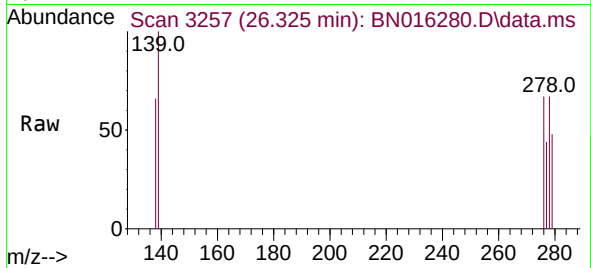




#40
Dibenzo(a,h)anthracene
Concen: 0.055 ng
RT: 26.325 min Scan# 3257
Delta R.T. 0.017 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

Instrument :
BNA_N
ClientSampleId :
VE4-11

Tgt Ion:278 Resp: 3734
Ion Ratio Lower Upper
278 100
139 148.8 14.2 21.2#
279 71.2 21.3 31.9#



#41
Benzo(g,h,i)perylene
Concen: 0.043 ng
RT: 27.072 min Scan# 3475
Delta R.T. 0.027 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

Tgt Ion:276 Resp: 3203
Ion Ratio Lower Upper
276 100
277 64.0 20.5 30.7#
138 91.2 18.2 27.4#

