

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 08:11:48 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)

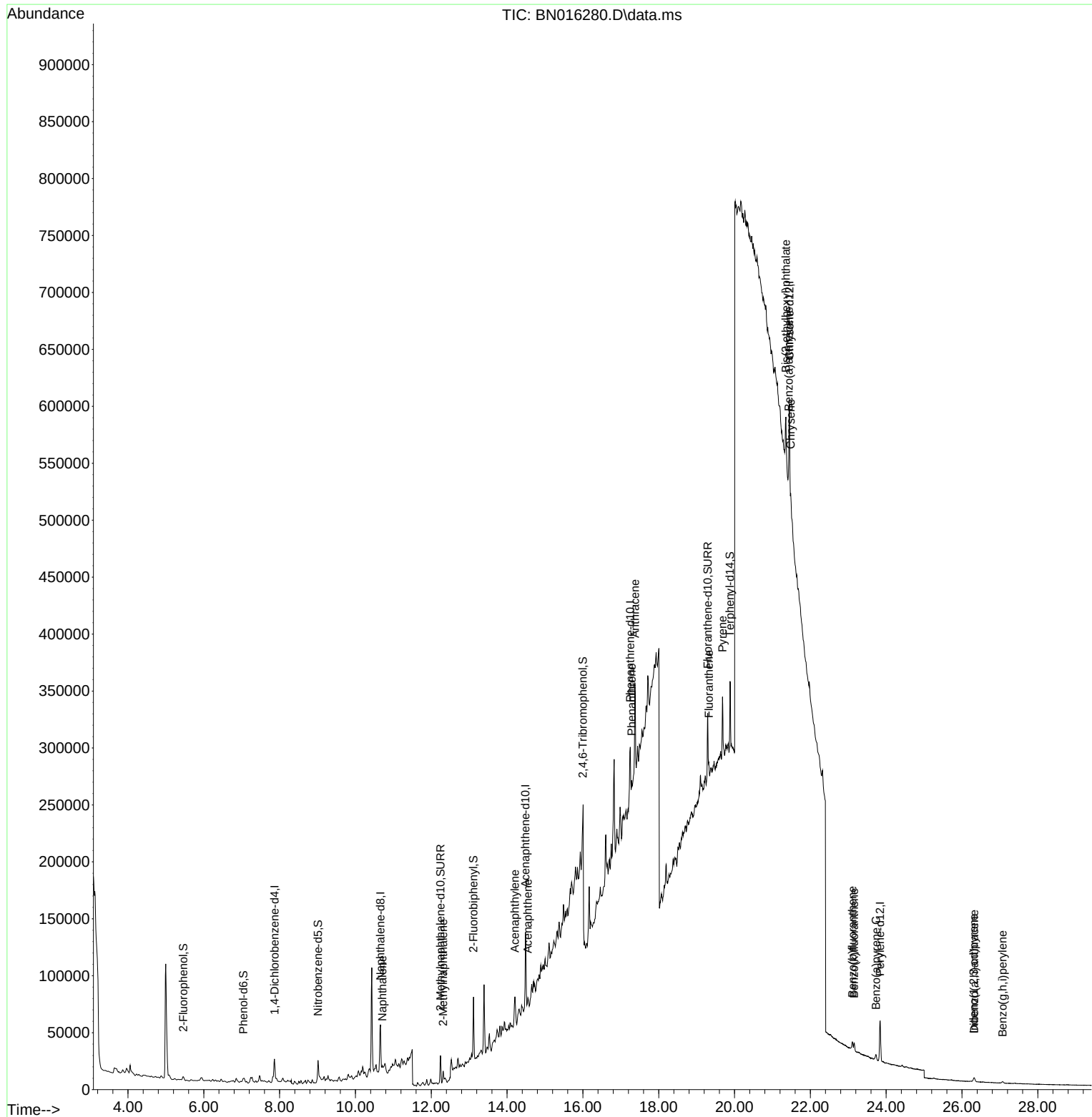
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.864	152	12155	0.400	ng	0.00
7) Naphthalene-d8	10.660	136	60896	0.400	ng	# 0.00
13) Acenaphthene-d10	14.484	164	47621	0.400	ng	-0.01
19) Phenanthrene-d10	17.249	188	82843	0.400	ng	# 0.01
29) Chrysene-d12	21.450	240	86210	0.400	ng	# 0.02
35) Perylene-d12	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	
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
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

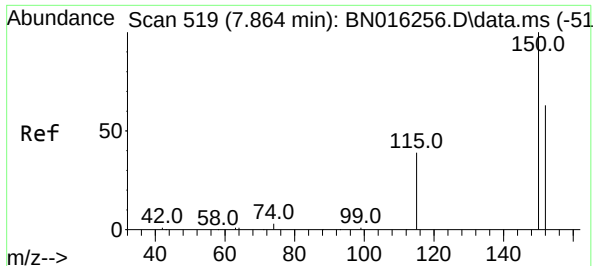
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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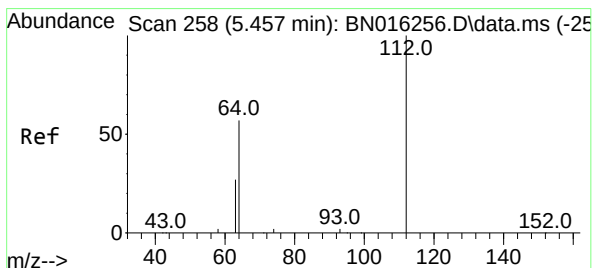
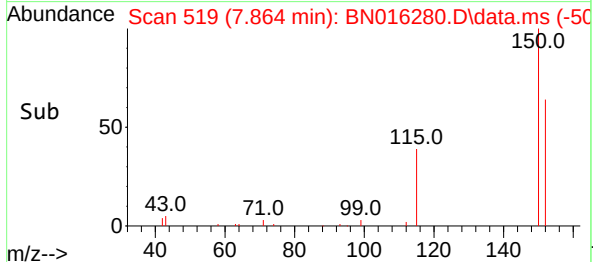
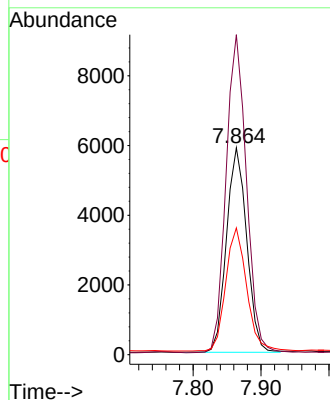
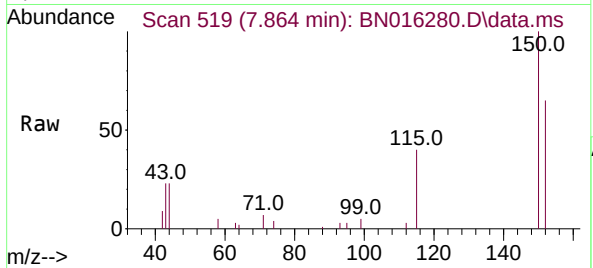




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.864 min Scan# 519
Delta R.T. -0.000 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

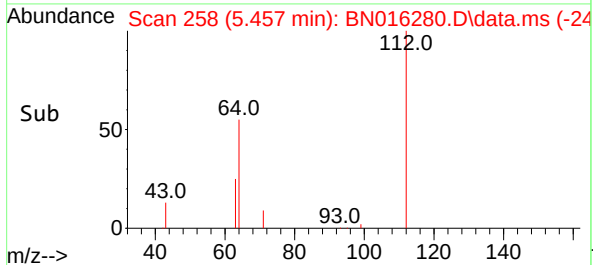
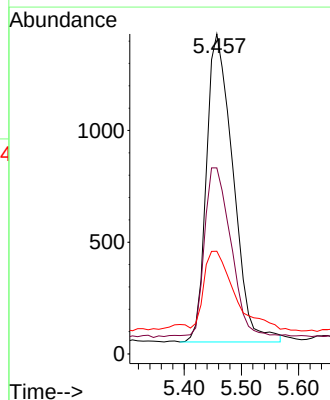
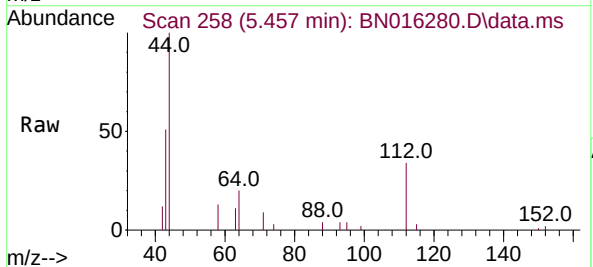
Instrument :
BNA_N
ClientSampled :
VE4-11

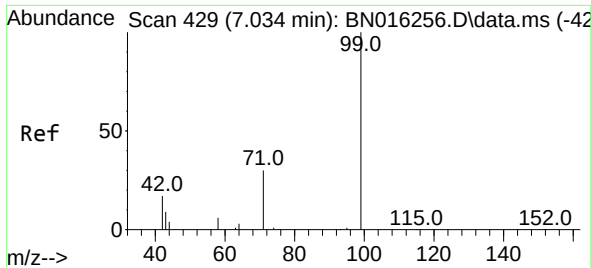
Tgt Ion:152 Resp: 12155
Ion Ratio Lower Upper
152 100
150 154.7 125.6 188.4
115 61.3 50.2 75.2



#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

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

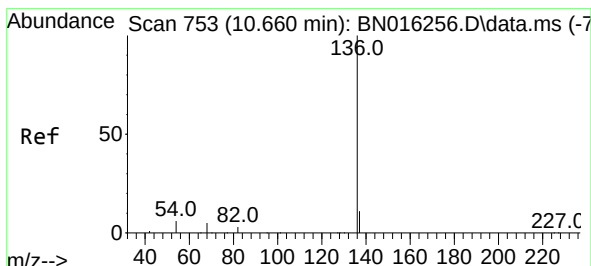
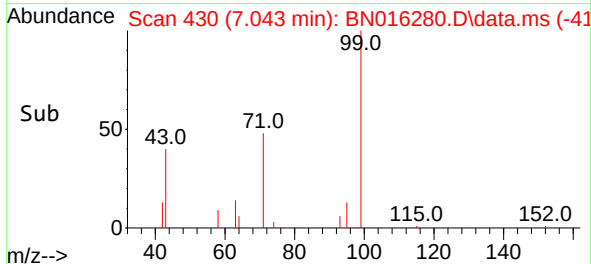
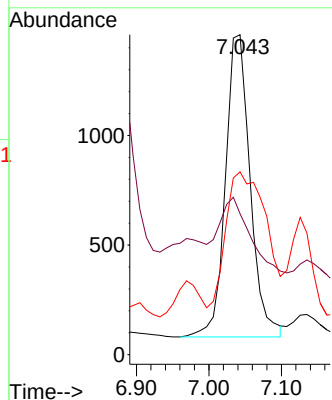
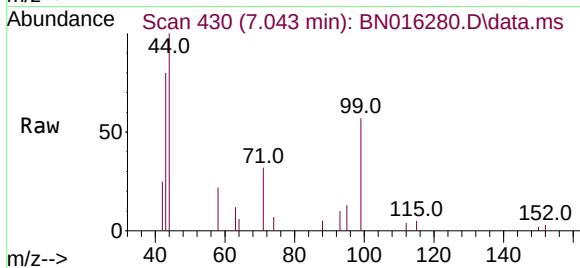




#5
Phenol-d6
Concen: 0.084 ng
RT: 7.043 min Scan# 430
Delta R.T. 0.009 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

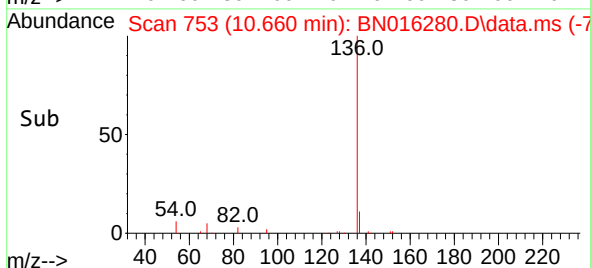
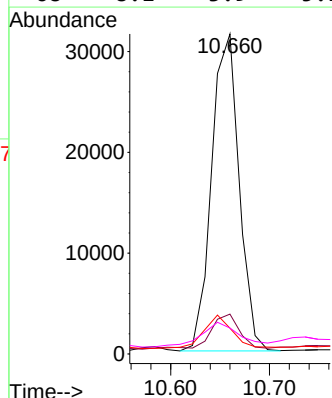
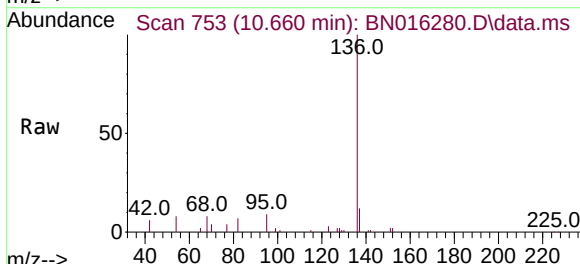
Instrument :
BNA_N
ClientSampled :
VE4-11

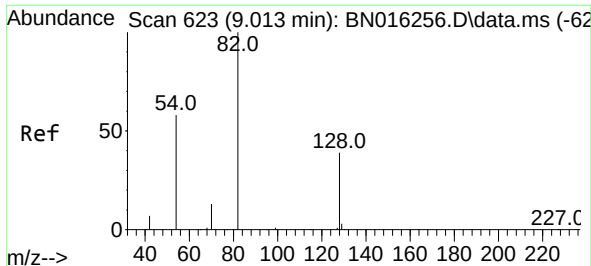
Tgt Ion: 99 Resp: 3271
Ion Ratio Lower Upper
99 100
42 29.3 14.0 21.0#
71 71.7 23.8 35.6#



#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

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#

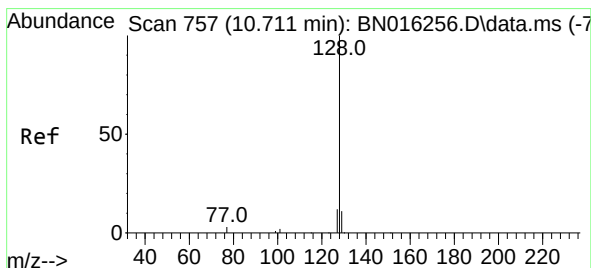
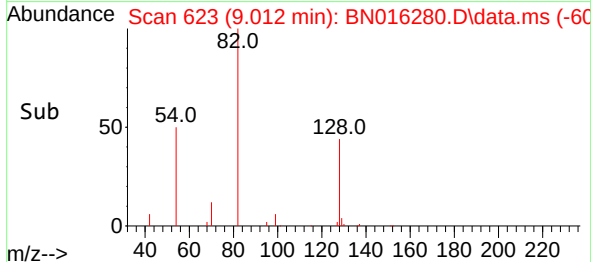
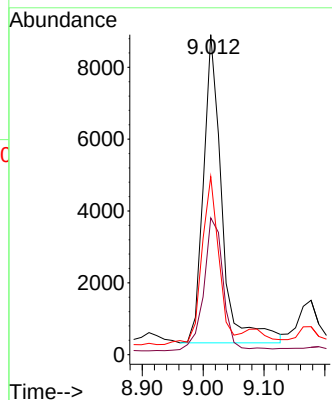
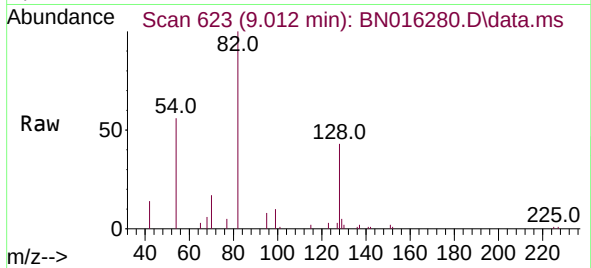




#8
Nitrobenzene-d5
Concen: 0.371 ng
RT: 9.012 min Scan# 623
Delta R.T. -0.000 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

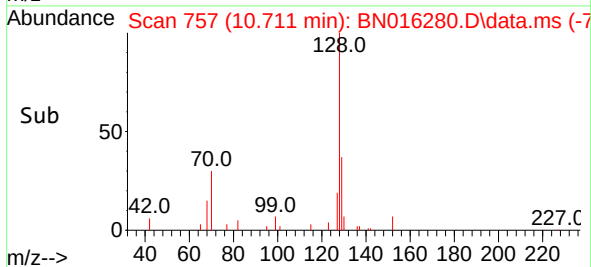
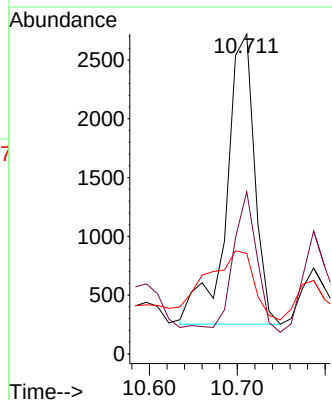
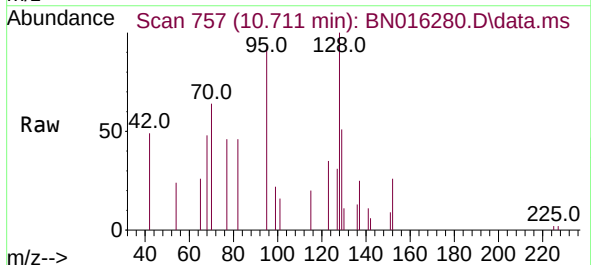
Instrument :
BNA_N
ClientSampled :
VE4-11

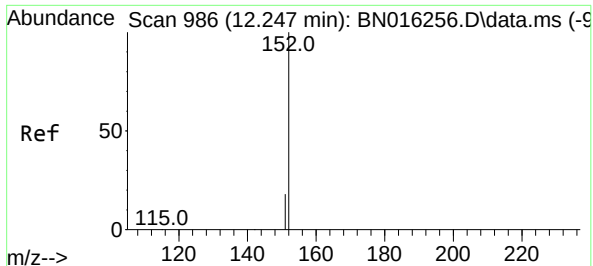
Tgt Ion: 82 Resp: 18140
Ion Ratio Lower Upper
82 100
128 42.8 31.7 47.5
54 55.6 46.4 69.6



#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

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#

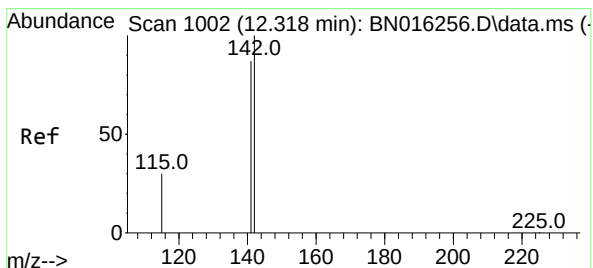
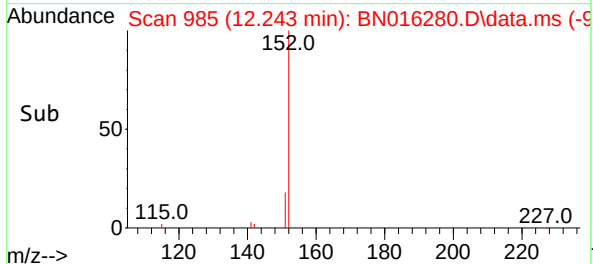
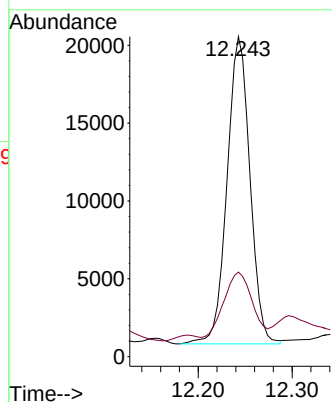
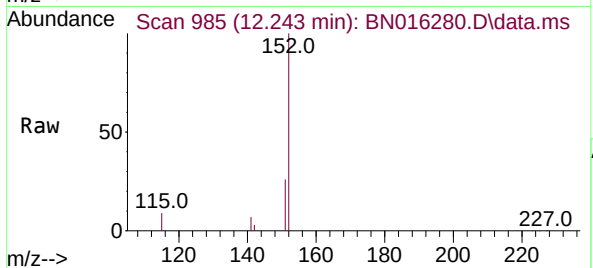




#11
2-Methylnaphthalene-d10
Concen: 0.352 ng
RT: 12.243 min Scan# 985
Delta R.T. -0.005 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

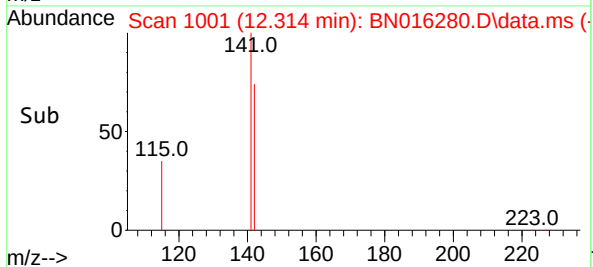
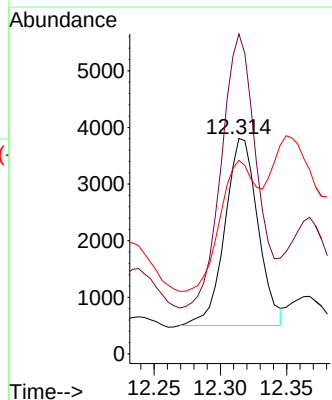
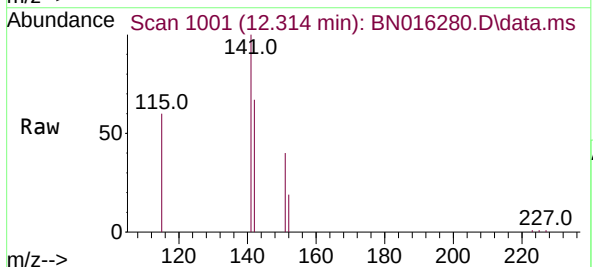
Instrument :
BNA_N
ClientSampled :
VE4-11

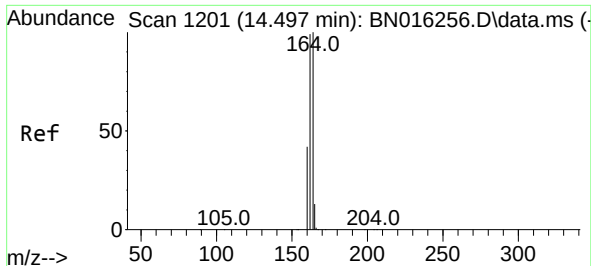
Tgt Ion:152 Resp: 33438
Ion Ratio Lower Upper
152 100
151 26.0 16.1 24.1#



#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

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#

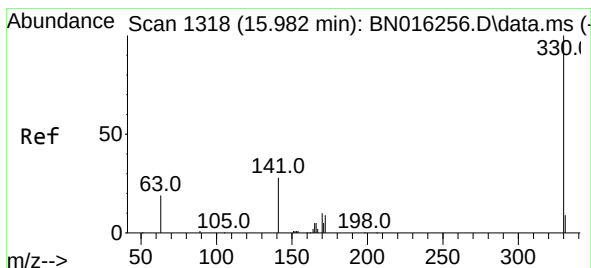
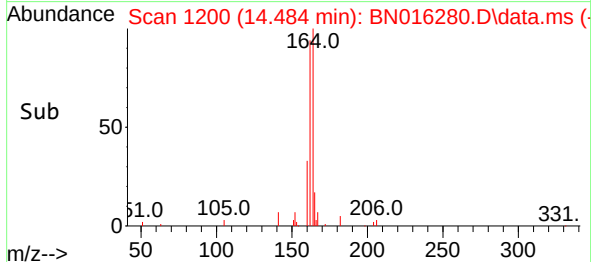
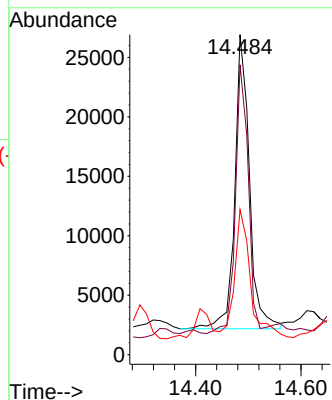
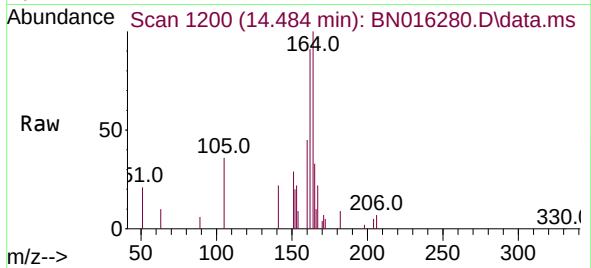




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 1200
Delta R.T. -0.013 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

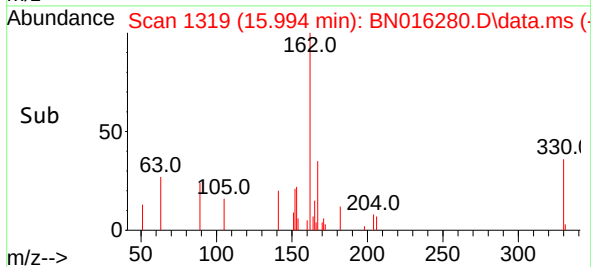
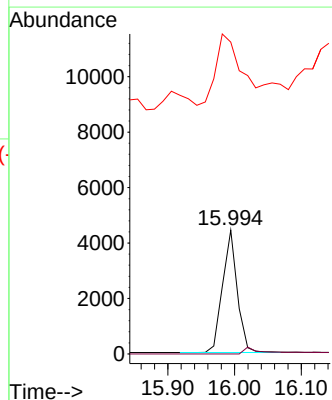
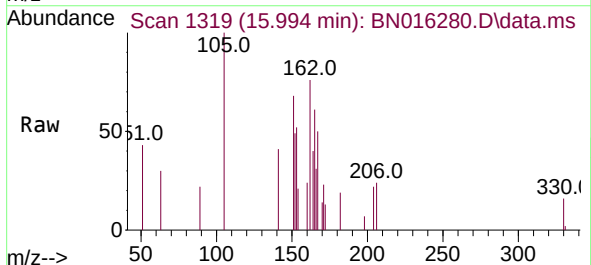
Instrument :
BNA_N
ClientSampled :
VE4-11

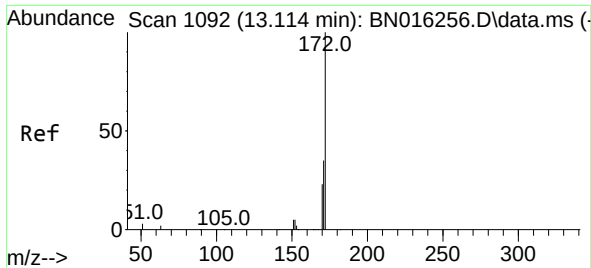
Tgt Ion:164 Resp: 47621
Ion Ratio Lower Upper
164 100
162 90.6 79.0 118.4
160 45.4 34.1 51.1



#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

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#

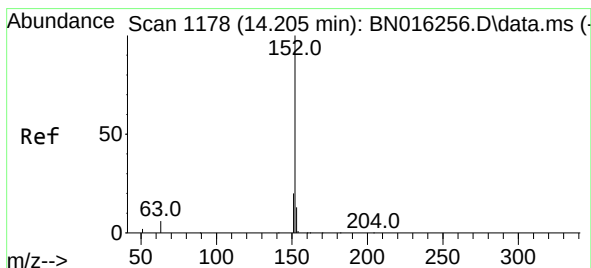
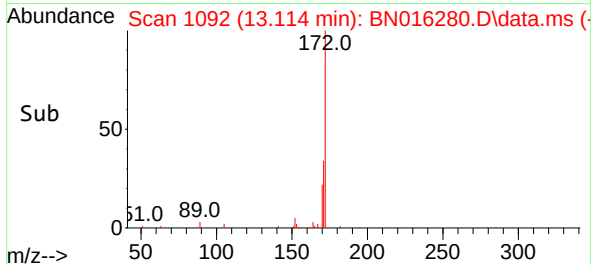
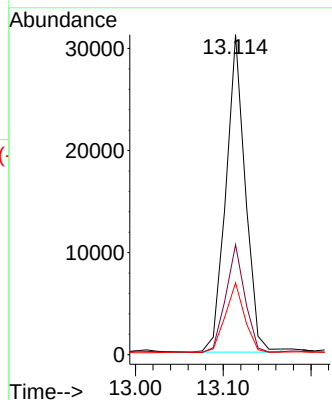
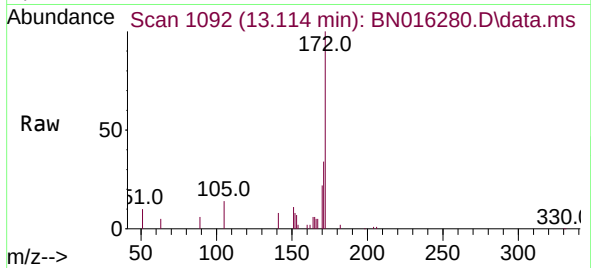




#15
2-Fluorobiphenyl
Concen: 0.256 ng
RT: 13.114 min Scan# 1092
Delta R.T. -0.000 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

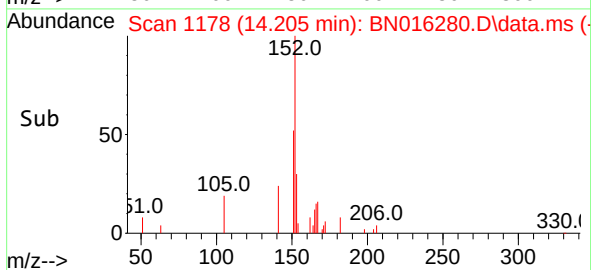
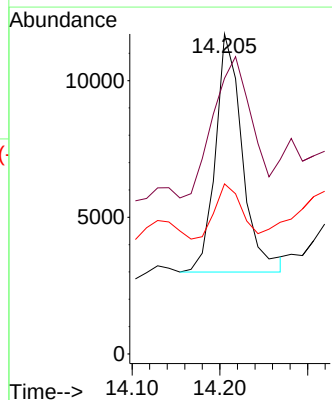
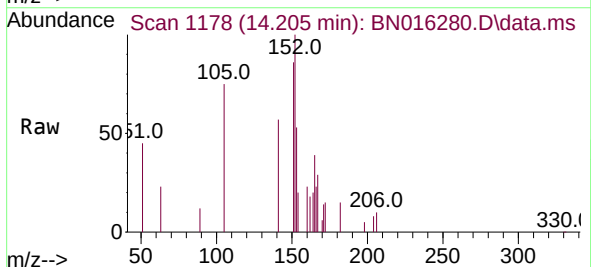
Instrument :
BNA_N
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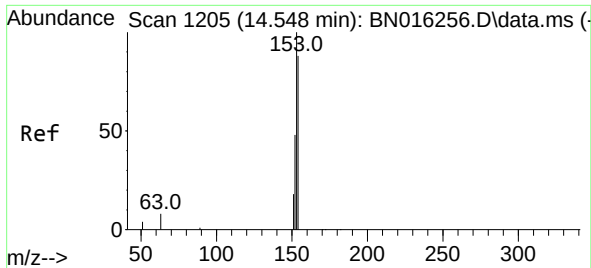
Tgt Ion:	172	Resp:	47742
Ion Ratio	Lower	Upper	
172	100		
171	34.4	27.8	41.6
170	22.4	18.2	27.2



#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

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#

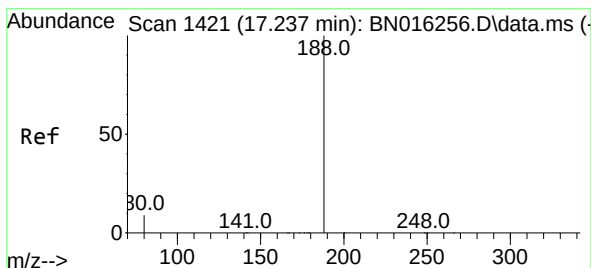
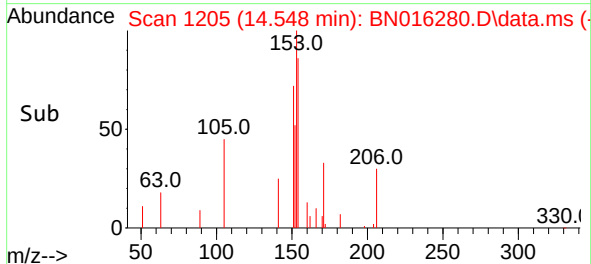
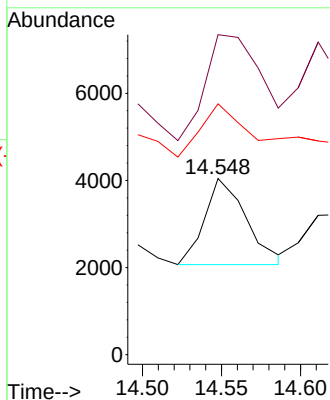
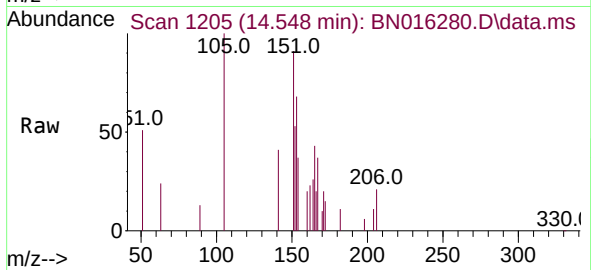




#17
Acenaphthene
Concen: 0.026 ng
RT: 14.548 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

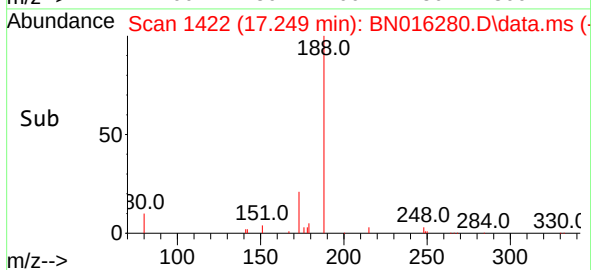
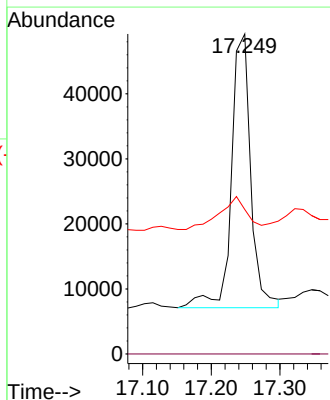
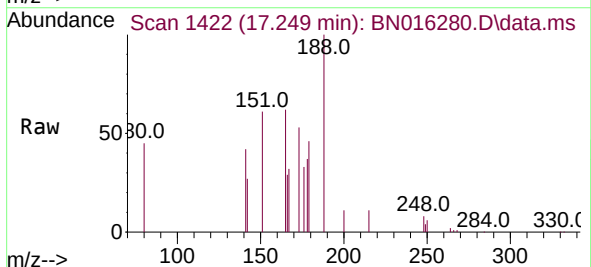
Instrument :
BNA_N
ClientSampleId :
VE4-11

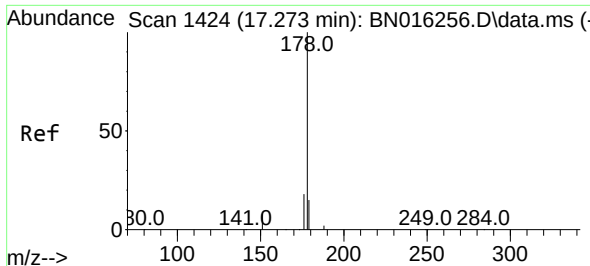
Tgt Ion:154 Resp: 3637
Ion Ratio Lower Upper
154 100
153 165.3 89.3 133.9#
152 95.1 42.2 63.4#



#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#

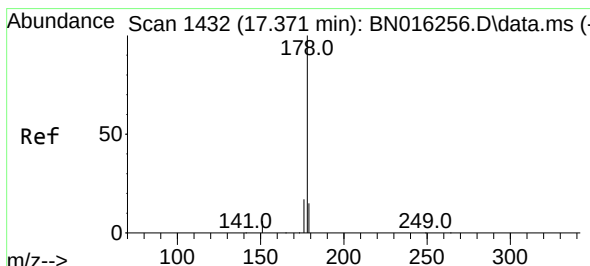
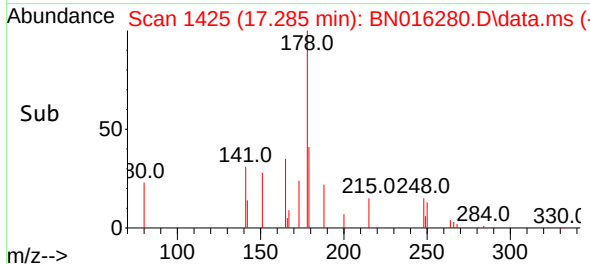
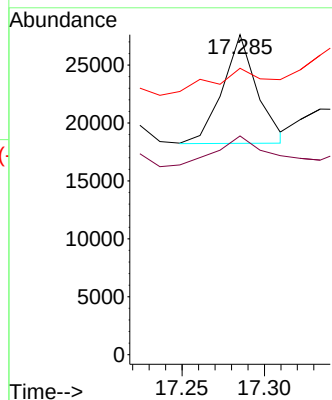
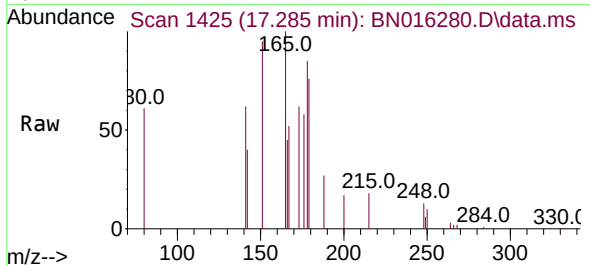




#25
Phenanthrene
Concen: 0.057 ng
RT: 17.285 min Scan# 1425
Delta R.T. 0.012 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

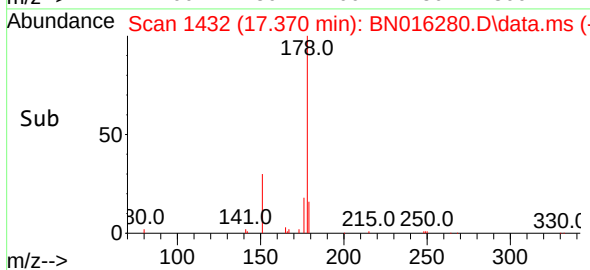
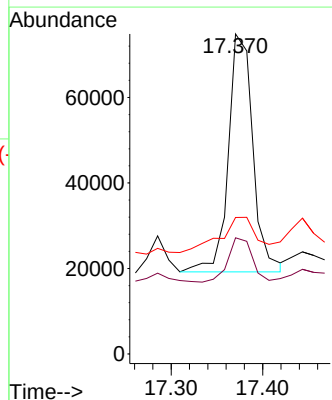
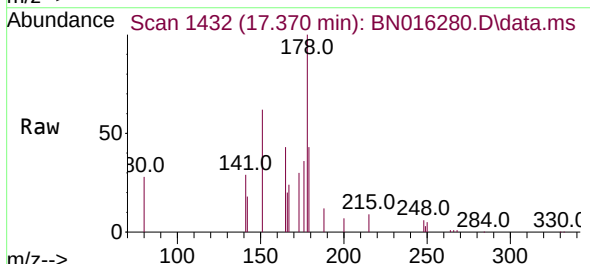
Instrument :
BNA_N
ClientSampleId :
VE4-11

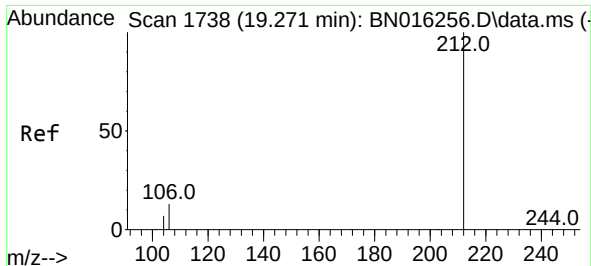
Tgt Ion:178 Resp: 13755
Ion Ratio Lower Upper
178 100
176 39.6 14.4 21.6#
179 151.1 12.2 18.4#



#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

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#

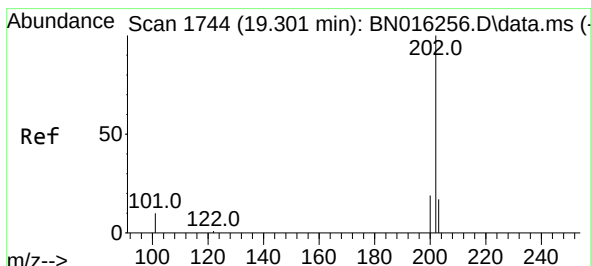
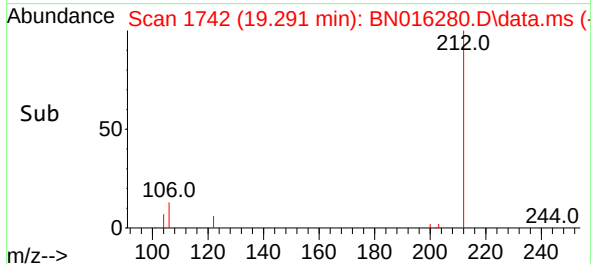
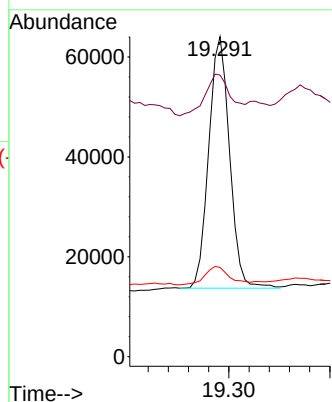
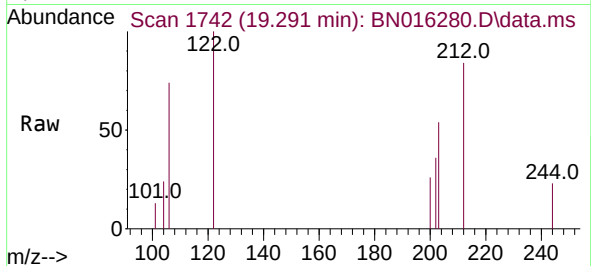




#27
Fluoranthene-d10
Concen: 0.297 ng
RT: 19.291 min Scan# 1742
Delta R.T. 0.020 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

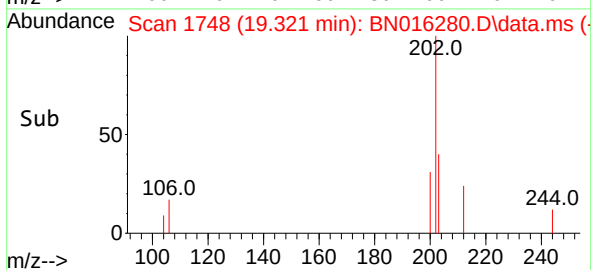
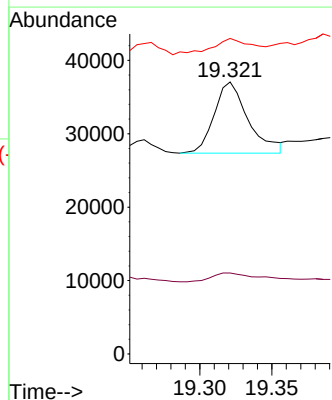
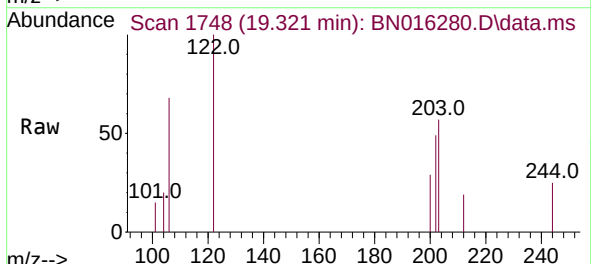
Instrument :
BNA_N
ClientSampleId :
VE4-11

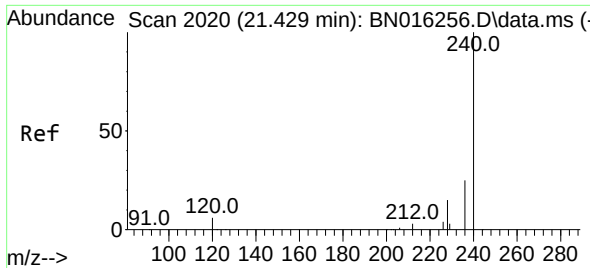
Tgt Ion:212 Resp: 72188
Ion Ratio Lower Upper
212 100
106 20.3 9.8 14.6#
104 8.5 5.4 8.2#



#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

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

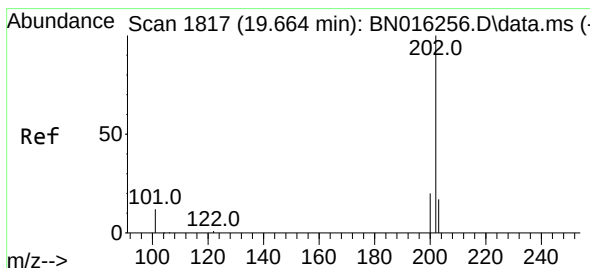
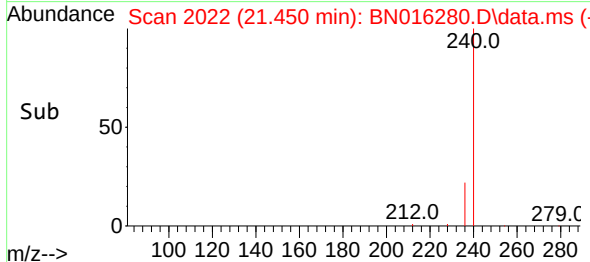
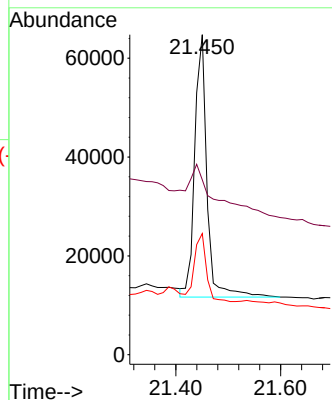
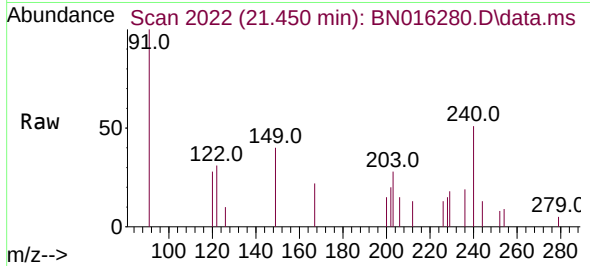




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.450 min Scan# 2022
Delta R.T. 0.021 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

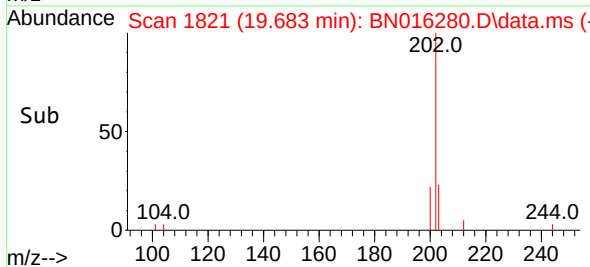
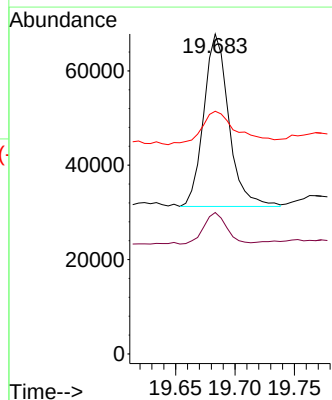
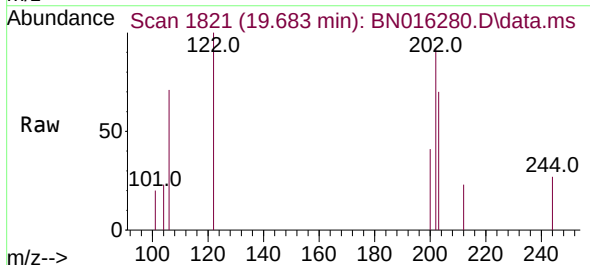
Instrument :
BNA_N
ClientSampleId :
VE4-11

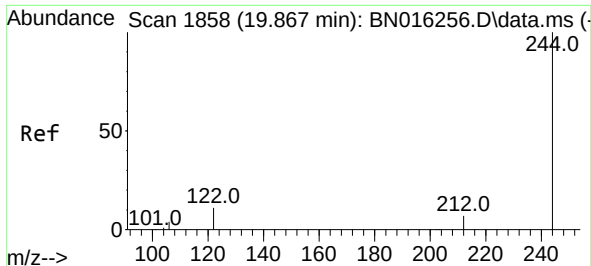
Tgt Ion:240 Resp: 86210
Ion Ratio Lower Upper
240 100
120 54.7 5.3 7.9#
236 37.8 19.8 29.8#



#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

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#

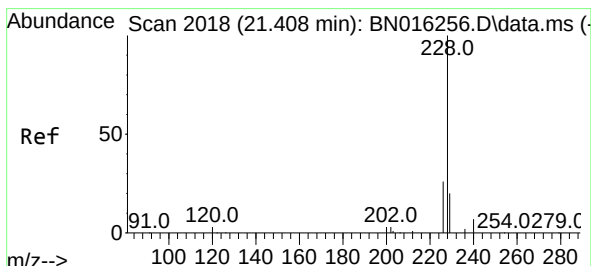
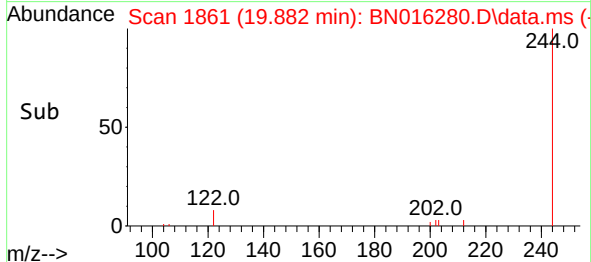
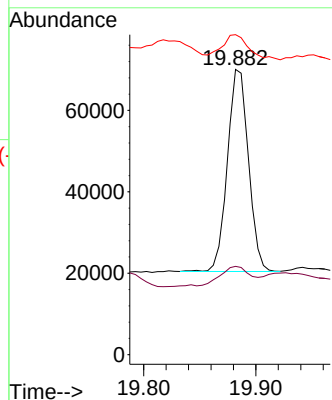
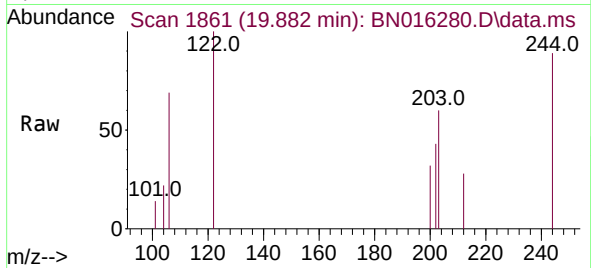




#31
 Terphenyl-d14
 Concen: 0.299 ng
 RT: 19.882 min Scan# 1861
 Delta R.T. 0.015 min
 Lab File: BN016280.D
 Acq: 10 Sep 2021 06:20

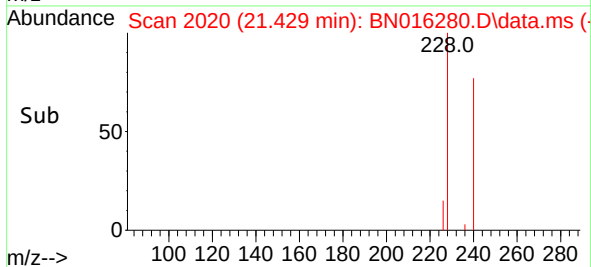
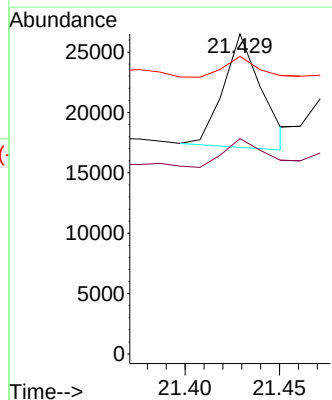
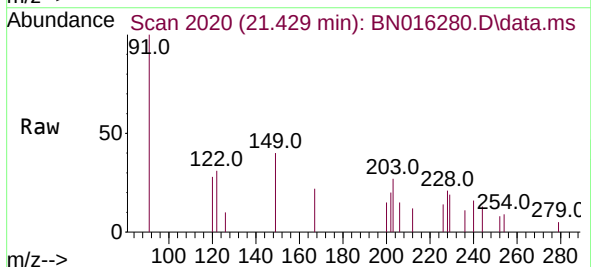
Instrument :
 BNA_N
 ClientSampled :
 VE4-11

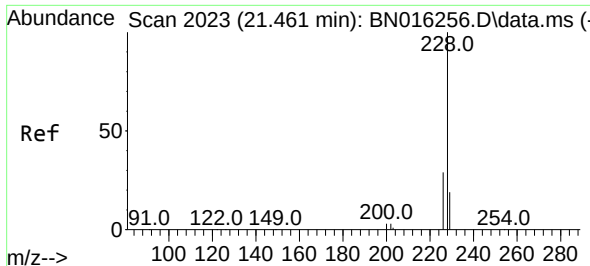
Tgt Ion:244 Resp: 64771
 Ion Ratio Lower Upper
 244 100
 212 31.0 5.5 8.3#
 122 112.2 9.0 13.4#



#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

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#

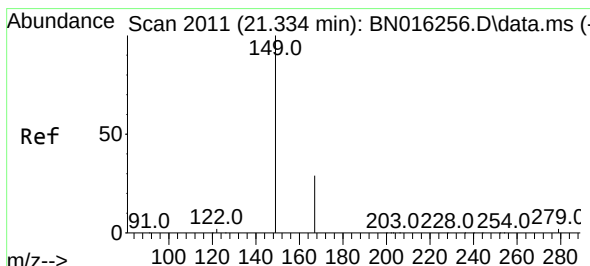
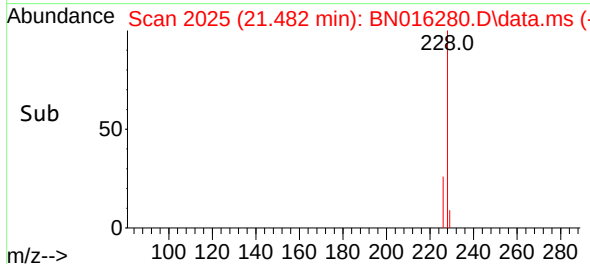
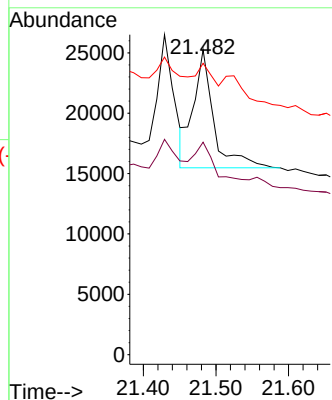
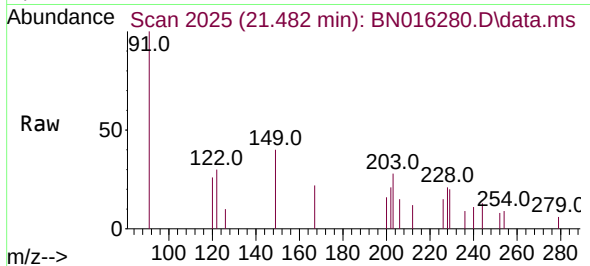




#33
Chrysene
Concen: 0.071 ng
RT: 21.482 min Scan# 2025
Delta R.T. 0.021 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

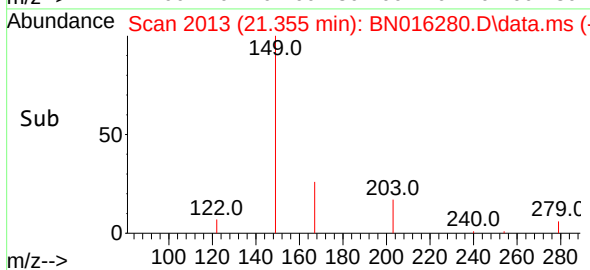
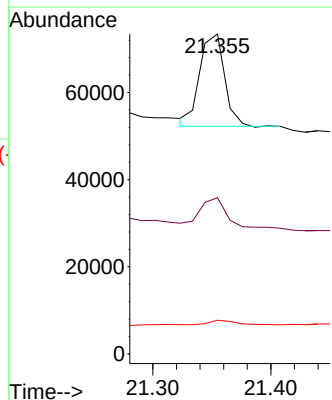
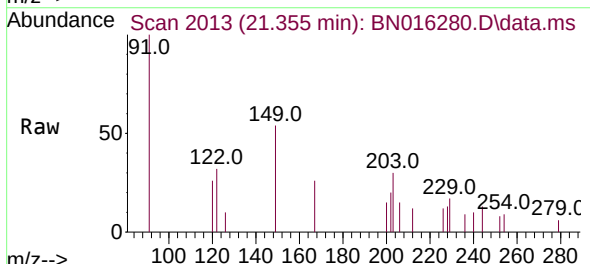
Instrument :
BNA_N
ClientSampleId :
VE4-11

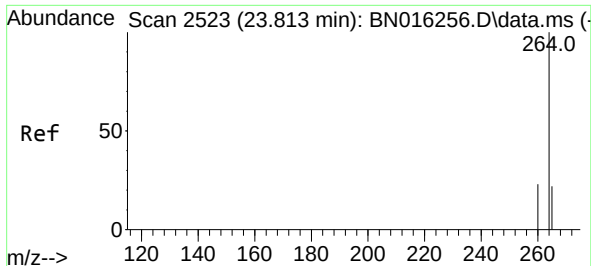
Tgt Ion:228 Resp: 19042
Ion Ratio Lower Upper
228 100
226 69.7 23.0 34.4#
229 95.5 15.6 23.4#



#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

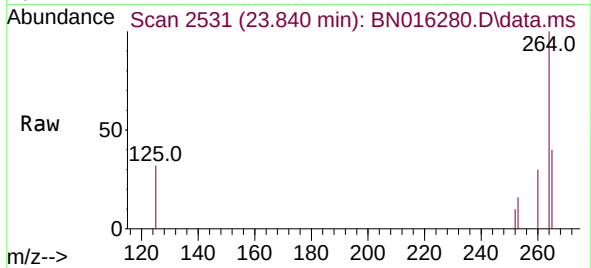
Tgt Ion:149 Resp: 30873
Ion Ratio Lower Upper
149 100
167 35.3 23.4 35.0#
279 8.9 3.9 5.9#





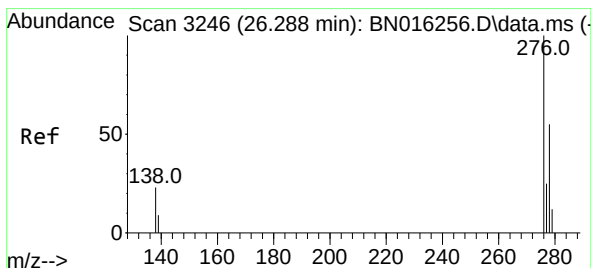
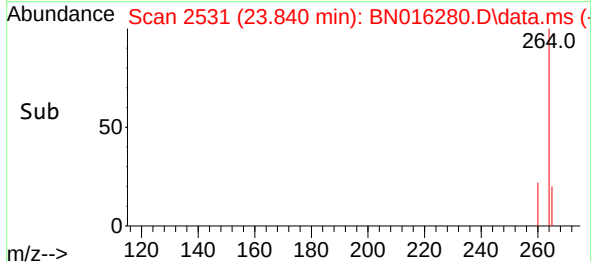
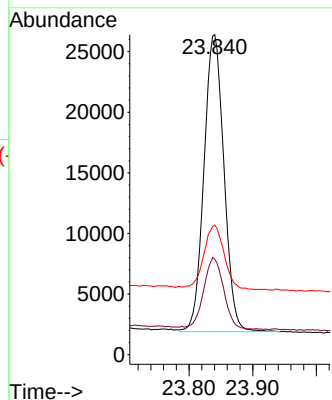
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.840 min Scan# 2531
Delta R.T. 0.027 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

Instrument :
BNA_N
ClientSampleId :
VE4-11



Tgt Ion:264 Resp: 53441

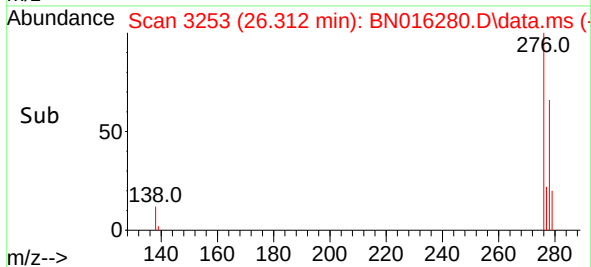
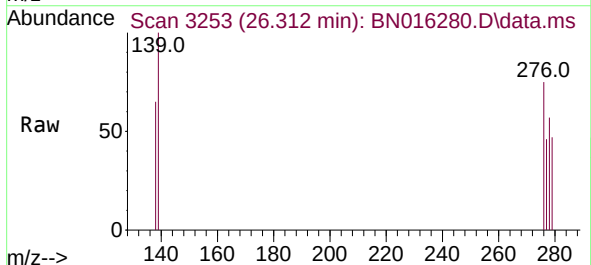
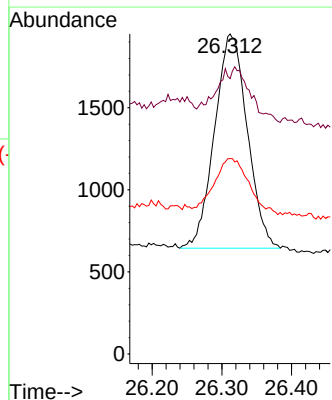
Ion	Ratio	Lower	Upper
264	100		
260	29.8	18.9	28.3#
265	40.5	23.7	35.5#

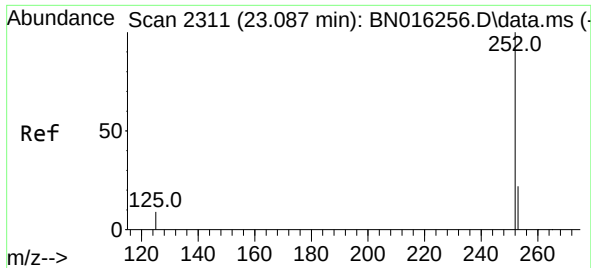


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.048 ng
RT: 26.312 min Scan# 3253
Delta R.T. 0.024 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

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

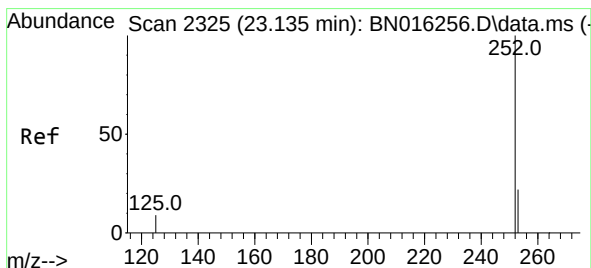
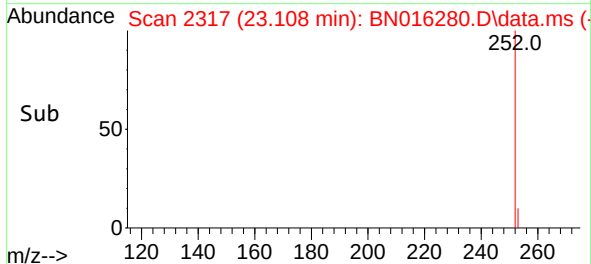
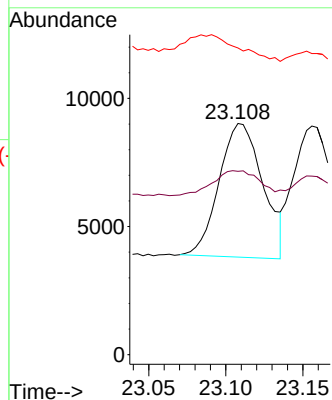
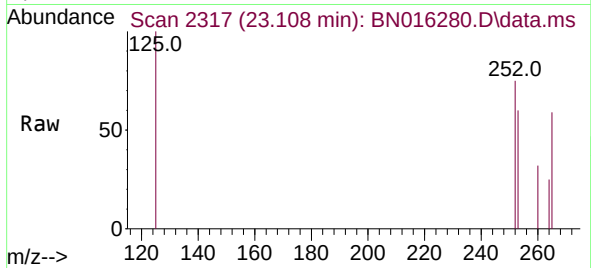




#37
Benzo(b)fluoranthene
Concen: 0.050 ng
RT: 23.108 min Scan# 2317
Delta R.T. 0.020 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

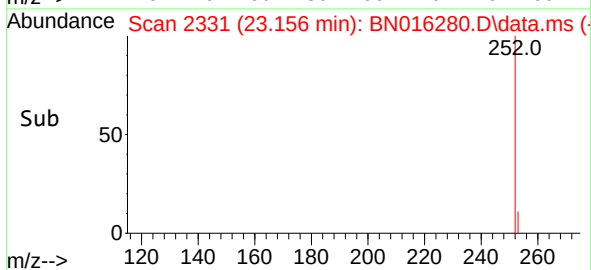
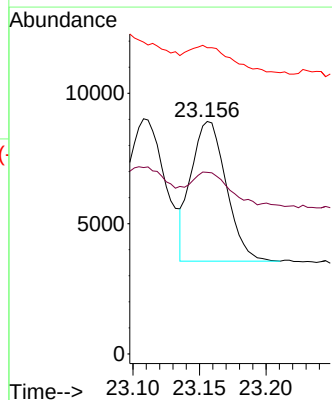
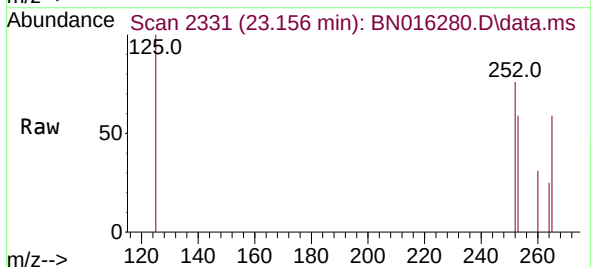
Instrument :
BNA_N
ClientSampleId :
VE4-11

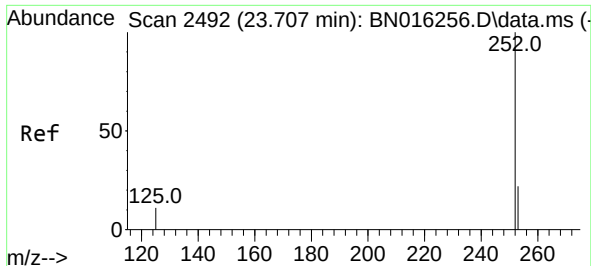
Tgt Ion:252 Resp: 10300
Ion Ratio Lower Upper
252 100
253 79.3 18.2 27.2#
125 132.6 8.4 12.6#



#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

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#

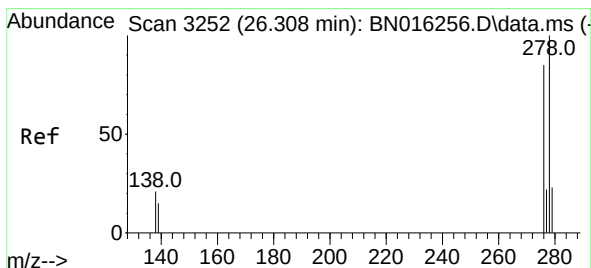
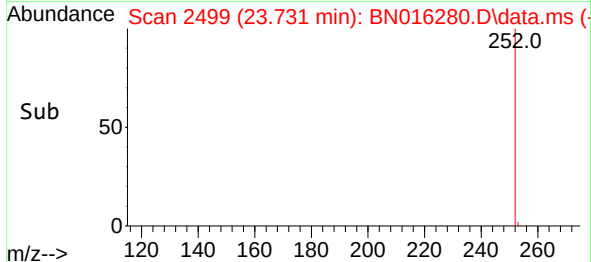
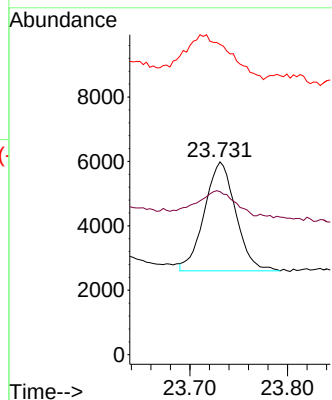
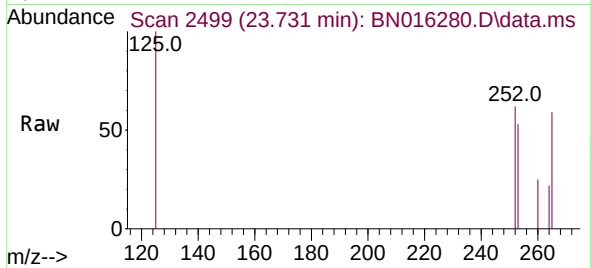




#39
Benzo(a)pyrene
Concen: 0.049 ng
RT: 23.731 min Scan# 2499
Delta R.T. 0.024 min
Lab File: BN016280.D
Acq: 10 Sep 2021 06:20

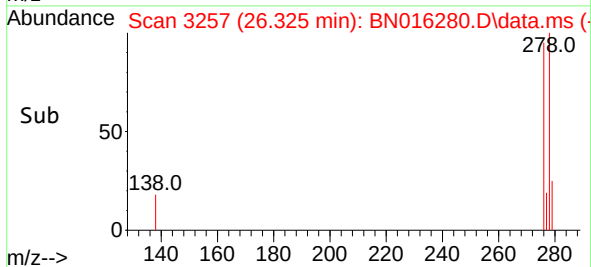
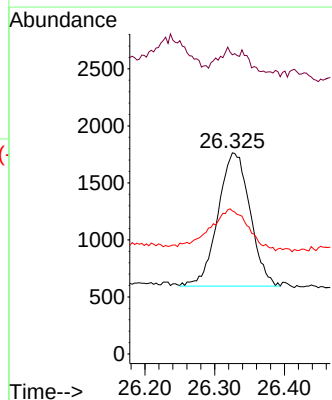
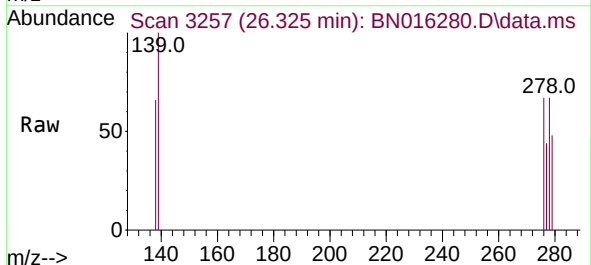
Instrument :
BNA_N
ClientSampled :
VE4-11

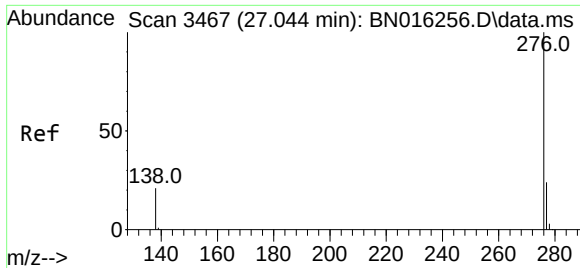
Tgt Ion:252 Resp: 7539
Ion Ratio Lower Upper
252 100
253 84.6 18.7 28.1#
125 160.9 9.9 14.9#



#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

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

Instrument :
 BNA_N
 ClientSampleId :
 VE4-11

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#

