

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN090921\
 Data File : BN016296.D
 Acq On : 10 Sep 2021 18:33
 Operator : CG/JU
 Sample : M3561-10
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 VE1-4

Quant Time: Sep 11 02:30:33 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN090921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 10 14:34:37 2021
 Response via : Initial Calibration

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

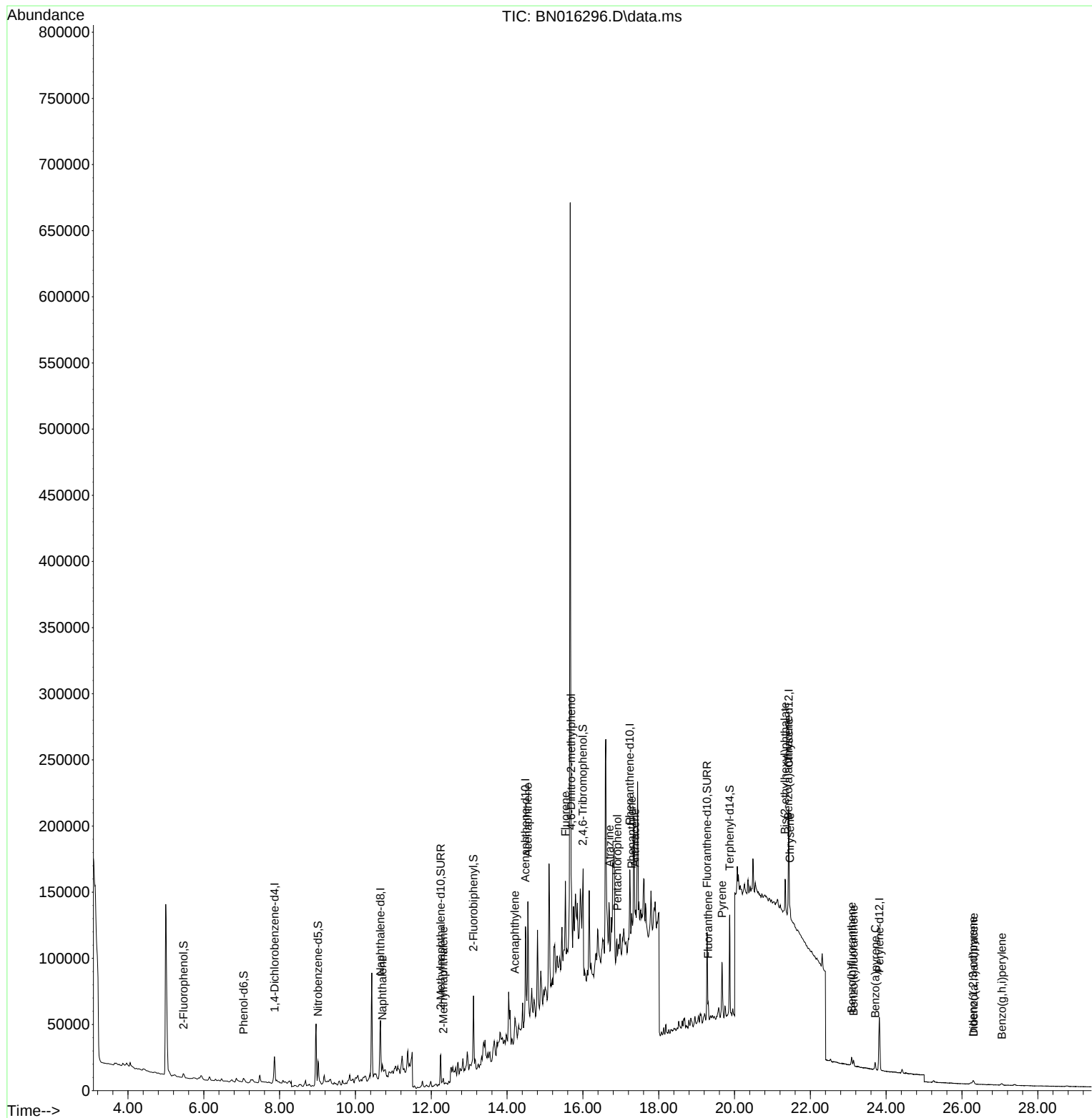
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	11645	0.400	ng	0.00
7) Naphthalene-d8	10.660	136	58595	0.400	ng	# 0.00
13) Acenaphthene-d10	14.484	164	42904	0.400	ng	#-0.01
19) Phenanthrene-d10	17.236	188	70974	0.400	ng	# 0.00
29) Chrysene-d12	21.429	240	73365	0.400	ng	# 0.00
35) Perylene-d12	23.820	264	58461	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.466	112	4376	0.147	ng	0.00
5) Phenol-d6	7.052	99	3112	0.084	ng	0.02
8) Nitrobenzene-d5	9.012	82	16682	0.354	ng	0.00
11) 2-Methylnaphthalene-d10	12.247	152	34605	0.378	ng	0.00
14) 2,4,6-Tribromophenol	15.994	330	6870	0.390	ng	0.01
15) 2-Fluorobiphenyl	13.114	172	47956	0.285	ng	0.00
27) Fluoranthene-d10	19.276	212	78767	0.378	ng	0.00
31) Terphenyl-d14	19.872	244	74519	0.405	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.710	128	4754	0.030	ng	# 40
12) 2-Methylnaphthalene	12.318	142	2352	0.022	ng	# 1
16) Acenaphthylene	14.205	152	14188	0.074	ng	# 24
17) Acenaphthene	14.547	154	45079	0.362	ng	# 88
18) Fluorene	15.537	166	38403	0.249	ng	# 92
20) 4,6-Dinitro-2-methylph...	15.689	198	1409	0.617	ng	# 1
23) Atrazine	16.701	200	4416	0.126	ng	# 1
24) Pentachlorophenol	16.908	266	610	0.206	ng	92
25) Phenanthrene	17.285	178	6096	0.030	ng	# 6
26) Anthracene	17.370	178	22395	0.118	ng	# 62
28) Fluoranthene	19.306	202	12979	0.054	ng	# 91
30) Pyrene	19.668	202	39447	0.159	ng	# 92
32) Benzo(a)anthracene	21.418	228	7469	0.033	ng	# 12
33) Chrysene	21.461	228	7629	0.034	ng	# 11
34) Bis(2-ethylhexyl)phtha...	21.333	149	26921	0.191	ng	95
36) Indeno(1,2,3-cd)pyrene	26.291	276	3400	0.035	ng	# 74
37) Benzo(b)fluoranthene	23.090	252	6494	0.029	ng	# 1
38) Benzo(k)fluoranthene	23.138	252	5947	0.030	ng	# 1
39) Benzo(a)pyrene	23.710	252	5233	0.031	ng	# 1
40) Dibenzo(a,h)anthracene	26.308	278	2815	0.038	ng	# 1
41) Benzo(g,h,i)perylene	27.051	276	2768	0.034	ng	# 1

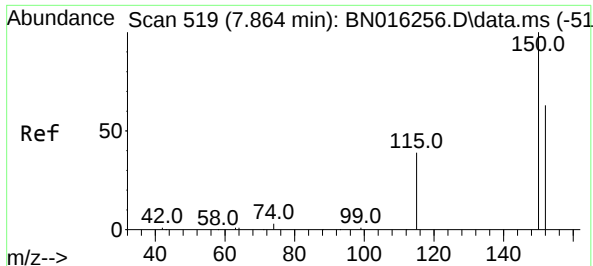
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_N
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VE1-4

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN090921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 10 14:34:37 2021
Response via : Initial Calibration

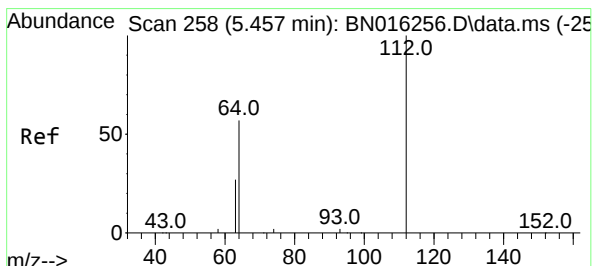
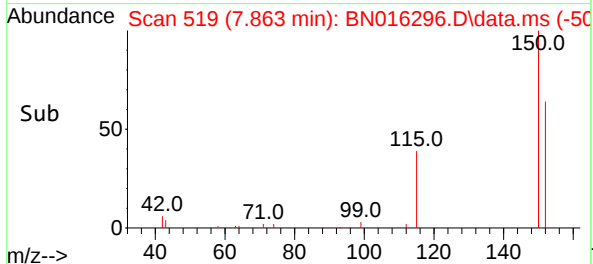
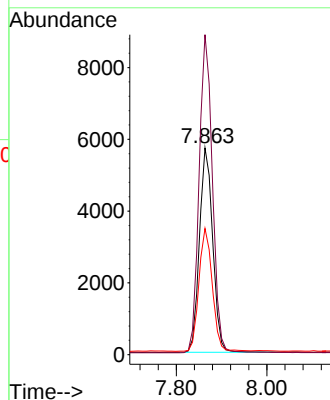
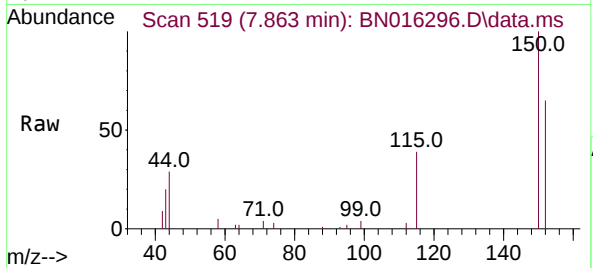




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.863 min Scan# 519
Delta R.T. -0.001 min
Lab File: BN016296.D
Acq: 10 Sep 2021 18:33

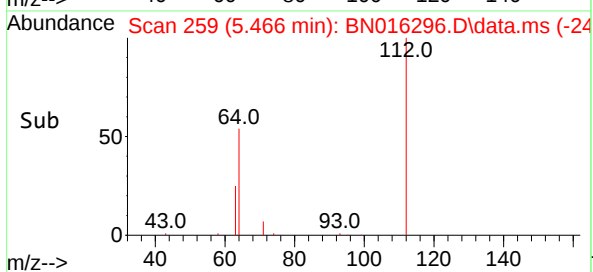
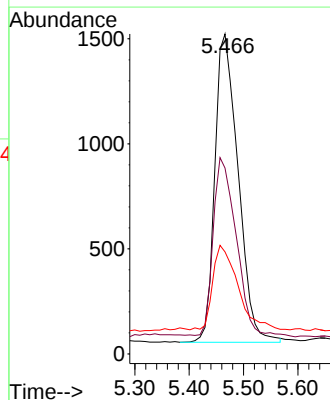
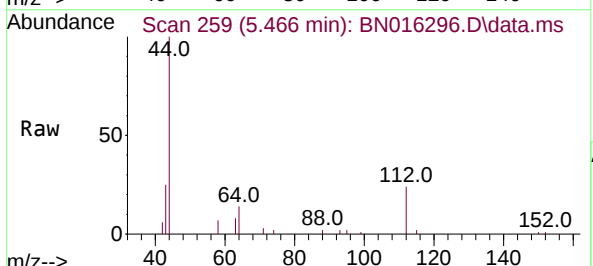
Instrument :
BNA_N
ClientSampled :
VE1-4

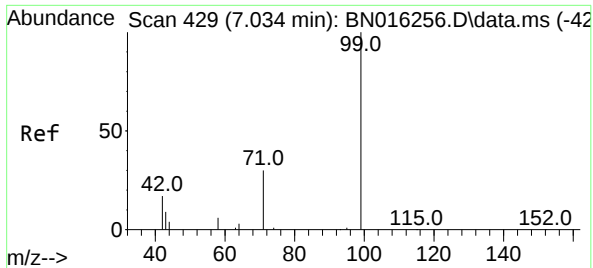
Tgt Ion:152 Resp: 11645
Ion Ratio Lower Upper
152 100
150 154.8 125.6 188.4
115 61.1 50.2 75.2



#4
2-Fluorophenol
Concen: 0.147 ng
RT: 5.466 min Scan# 259
Delta R.T. 0.009 min
Lab File: BN016296.D
Acq: 10 Sep 2021 18:33

Tgt Ion:112 Resp: 4376
Ion Ratio Lower Upper
112 100
64 56.4 47.3 70.9
63 29.3 23.4 35.0

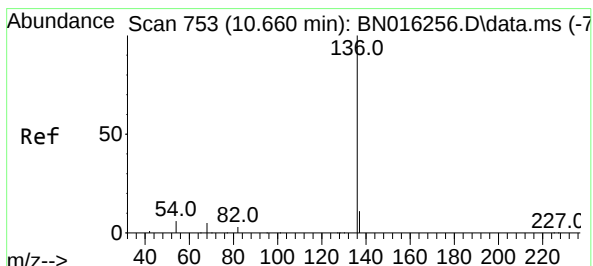
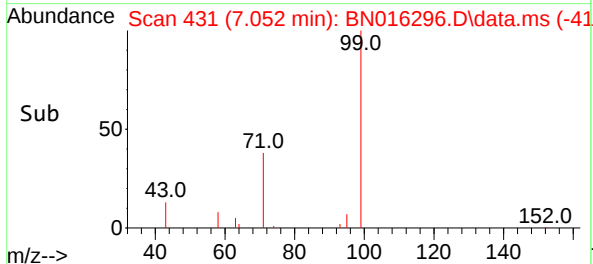
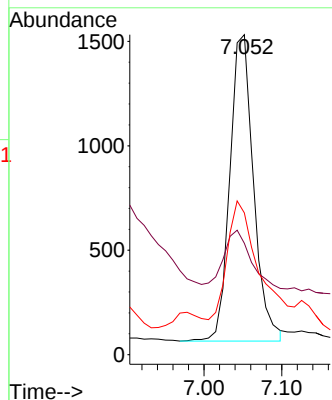
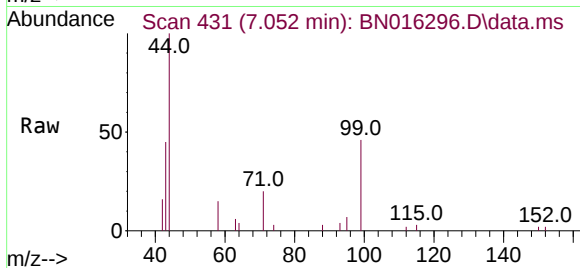




#5
Phenol-d6
Concen: 0.084 ng
RT: 7.052 min Scan# 431
Delta R.T. 0.018 min
Lab File: BN016296.D
Acq: 10 Sep 2021 18:33

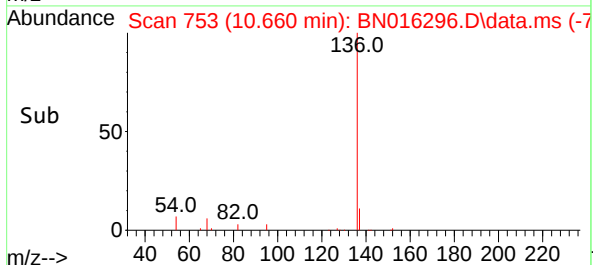
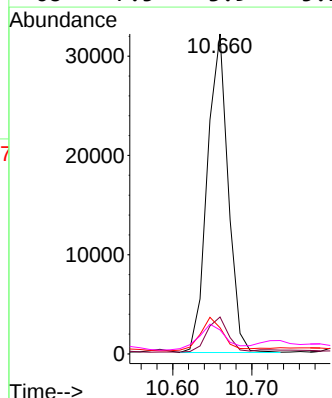
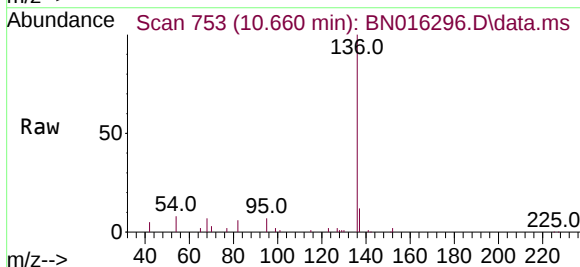
Instrument :
BNA_N
ClientSampled :
VE1-4

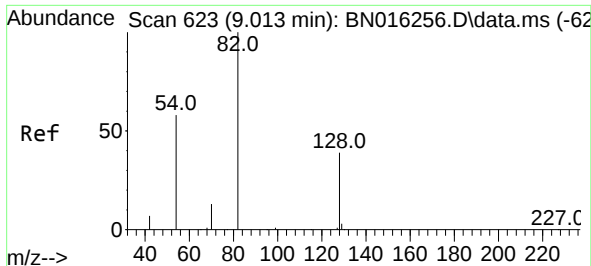
Tgt Ion: 99 Resp: 3112
Ion Ratio Lower Upper
99 100
42 21.7 14.0 21.0#
71 47.6 23.8 35.6#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.660 min Scan# 753
Delta R.T. -0.000 min
Lab File: BN016296.D
Acq: 10 Sep 2021 18:33

Tgt Ion: 136 Resp: 58595
Ion Ratio Lower Upper
136 100
137 11.5 8.8 13.2
54 8.2 5.3 7.9#
68 7.5 3.9 5.9#

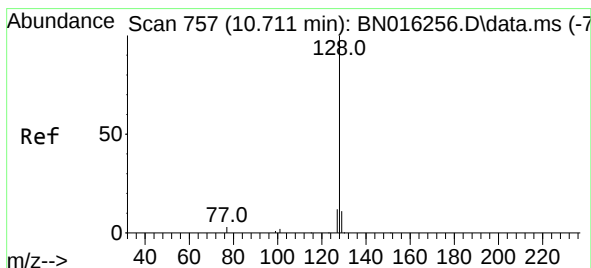
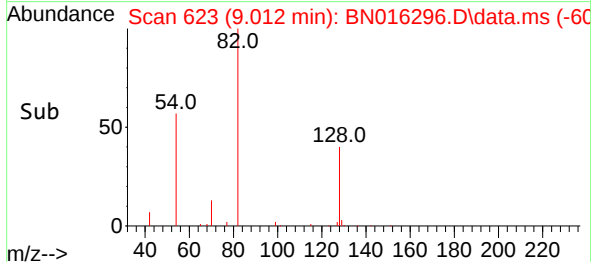
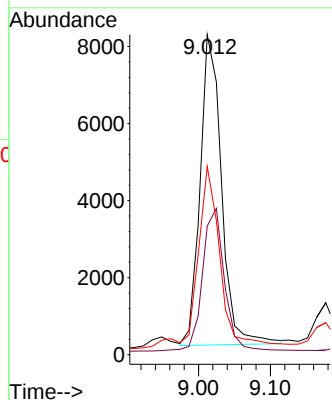
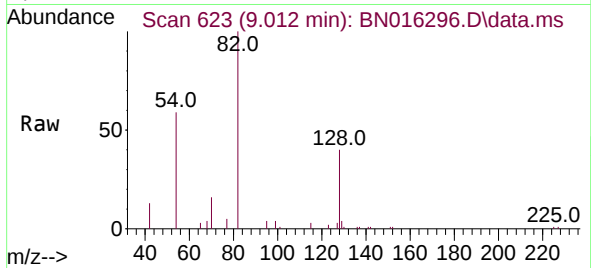




#8
Nitrobenzene-d5
Concen: 0.354 ng
RT: 9.012 min Scan# 623
Delta R.T. -0.000 min
Lab File: BN016296.D
Acq: 10 Sep 2021 18:33

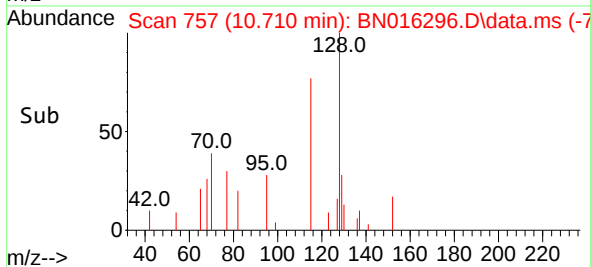
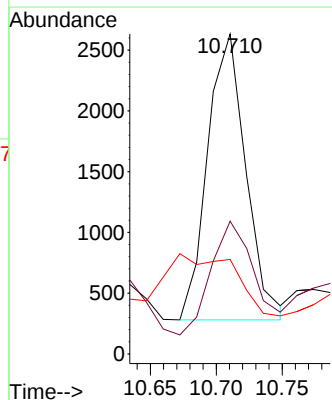
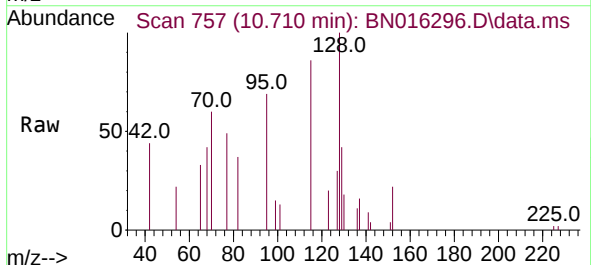
Instrument :
BNA_N
ClientSampled :
VE1-4

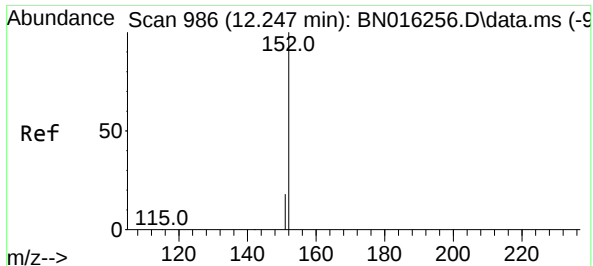
Tgt Ion:	82	Resp:	16682
Ion Ratio	Lower	Upper	
82	100		
128	40.2	31.7	47.5
54	58.8	46.4	69.6



#9
Naphthalene
Concen: 0.030 ng
RT: 10.710 min Scan# 757
Delta R.T. -0.000 min
Lab File: BN016296.D
Acq: 10 Sep 2021 18:33

Tgt Ion:	128	Resp:	4754
Ion Ratio	Lower	Upper	
128	100		
129	41.5	8.9	13.3#
127	29.5	10.1	15.1#

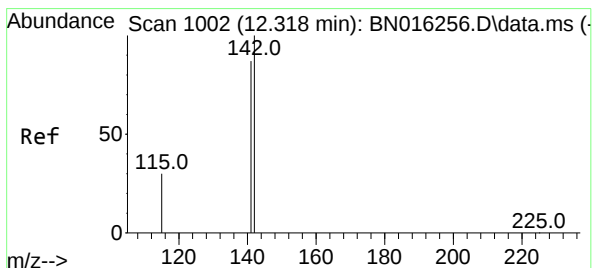
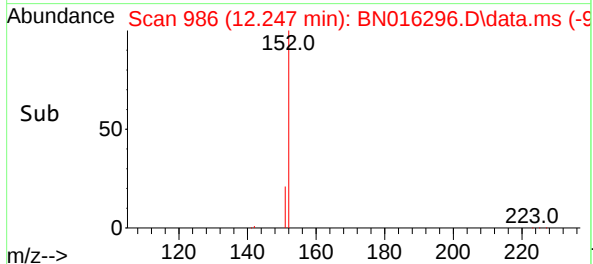
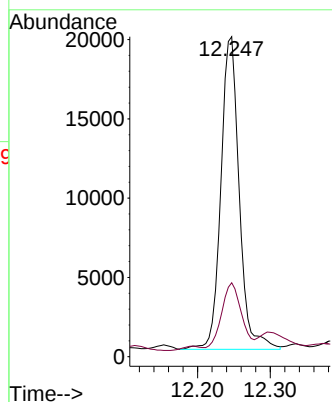
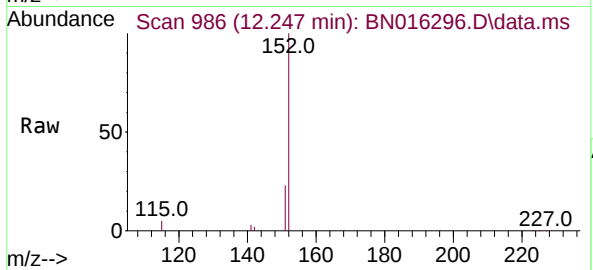




#11
2-Methylnaphthalene-d10
Concen: 0.378 ng
RT: 12.247 min Scan# 986
Delta R.T. -0.000 min
Lab File: BN016296.D
Acq: 10 Sep 2021 18:33

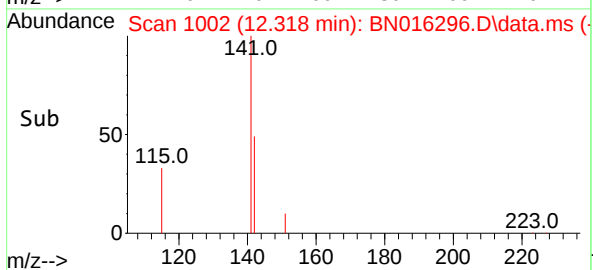
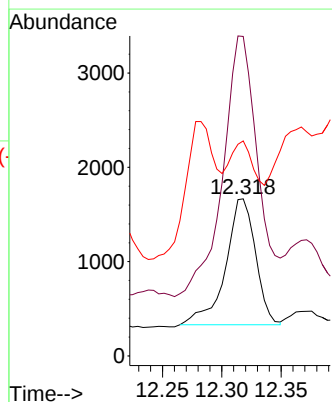
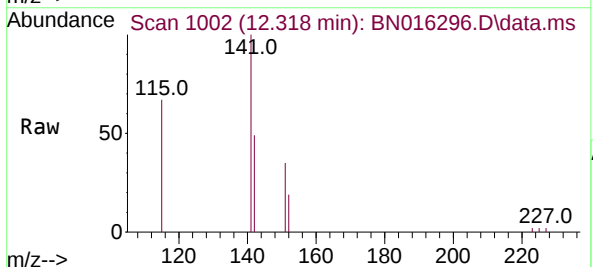
Instrument :
BNA_N
ClientSampled :
VE1-4

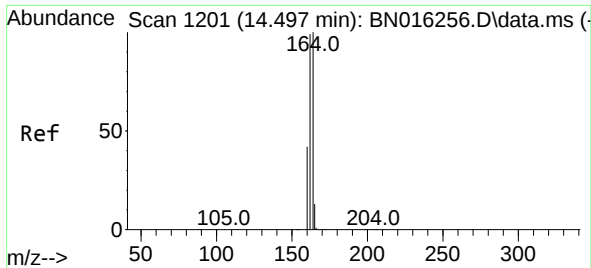
Tgt Ion:152 Resp: 34605
Ion Ratio Lower Upper
152 100
151 22.0 16.1 24.1



#12
2-Methylnaphthalene
Concen: 0.022 ng
RT: 12.318 min Scan# 1002
Delta R.T. -0.000 min
Lab File: BN016296.D
Acq: 10 Sep 2021 18:33

Tgt Ion:142 Resp: 2352
Ion Ratio Lower Upper
142 100
141 203.4 69.8 104.8#
115 136.9 24.4 36.6#

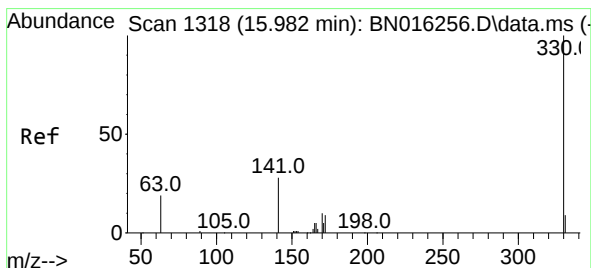
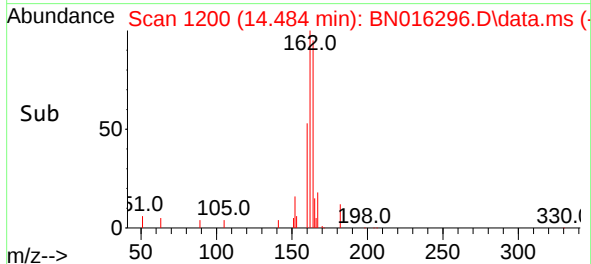
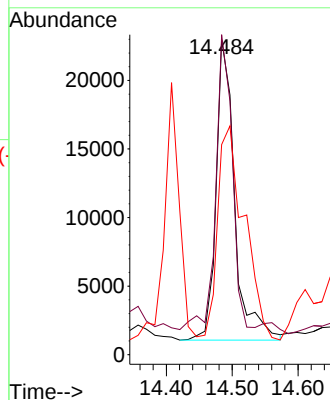
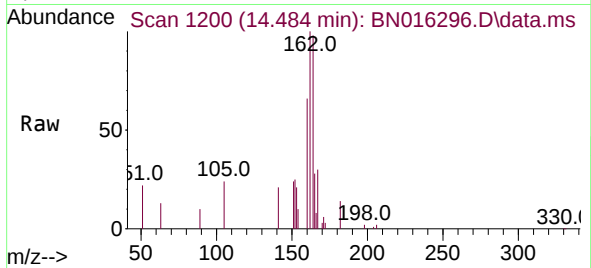




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.484 min Scan# 1200
Delta R.T. -0.013 min
Lab File: BN016296.D
Acq: 10 Sep 2021 18:33

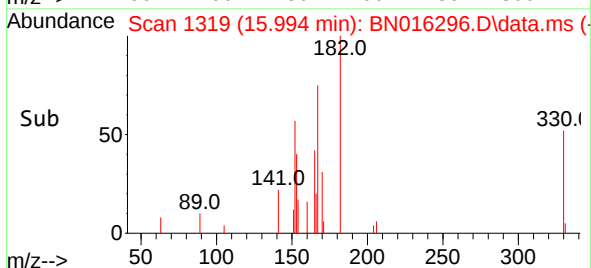
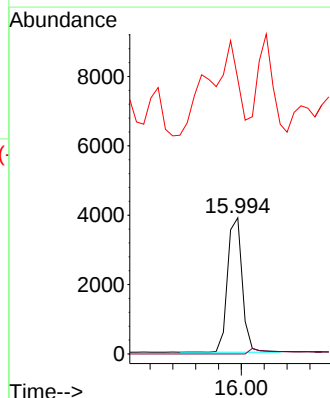
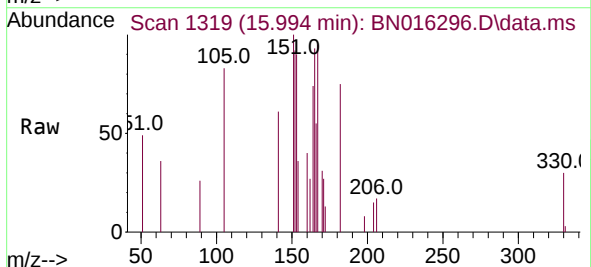
Instrument :
BNA_N
ClientSampled :
VE1-4

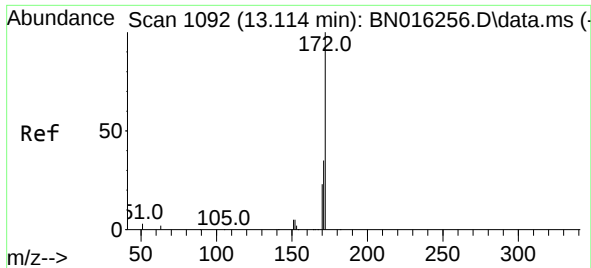
Tgt Ion:164 Resp: 42904
Ion Ratio Lower Upper
164 100
162 101.6 79.0 118.4
160 66.7 34.1 51.1#



#14
2,4,6-Tribromophenol
Concen: 0.390 ng
RT: 15.994 min Scan# 1319
Delta R.T. 0.012 min
Lab File: BN016296.D
Acq: 10 Sep 2021 18:33

Tgt Ion:330 Resp: 6870
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 141.5 25.0 37.4#

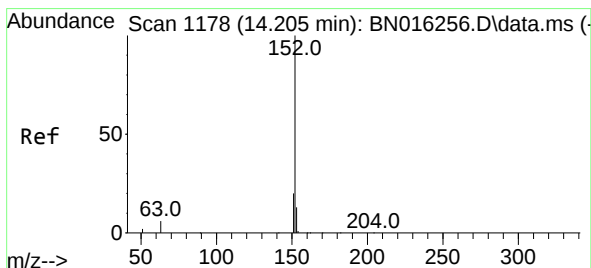
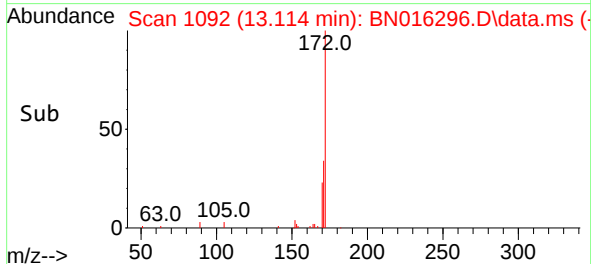
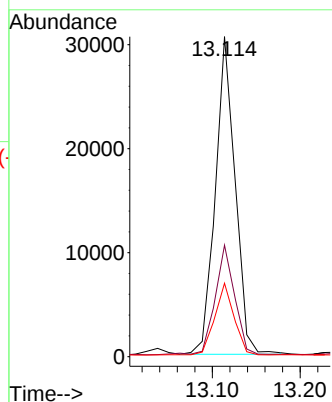
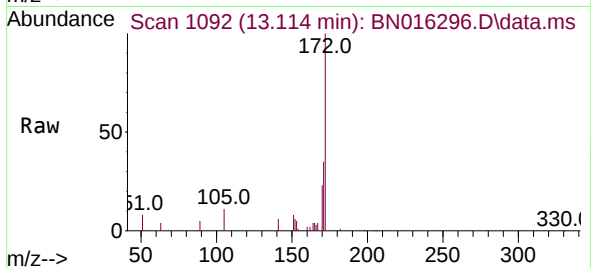




#15
2-Fluorobiphenyl
Concen: 0.285 ng
RT: 13.114 min Scan# 1092
Delta R.T. -0.000 min
Lab File: BN016296.D
Acq: 10 Sep 2021 18:33

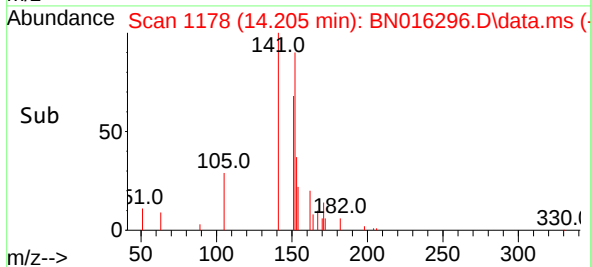
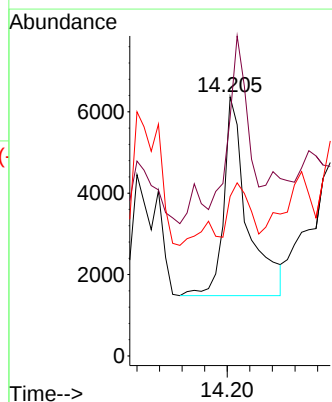
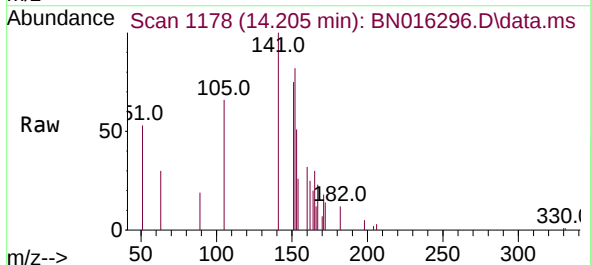
Instrument :
BNA_N
ClientSampled :
VE1-4

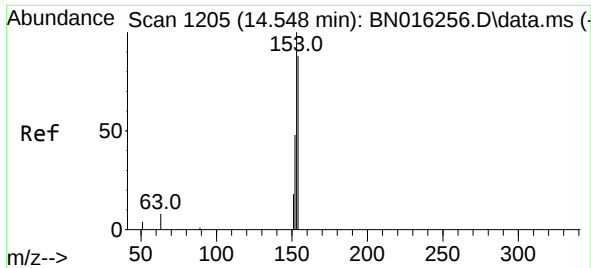
Tgt Ion:	172	Resp:	47956
Ion Ratio	Lower	Upper	
172	100		
171	34.9	27.8	41.6
170	23.0	18.2	27.2



#16
Acenaphthylene
Concen: 0.074 ng
RT: 14.205 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BN016296.D
Acq: 10 Sep 2021 18:33

Tgt Ion:	152	Resp:	14188
Ion Ratio	Lower	Upper	
152	100		
151	69.9	15.2	22.8#
153	22.1	10.5	15.7#

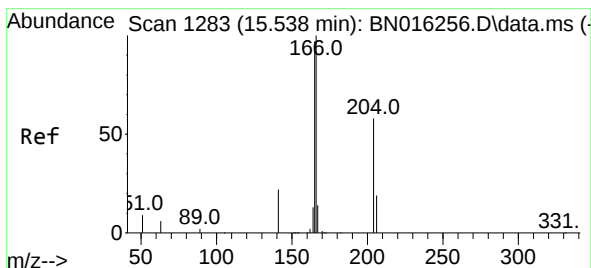
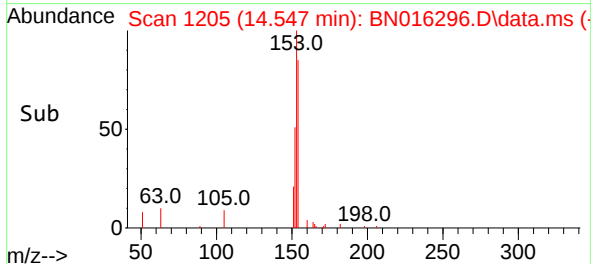
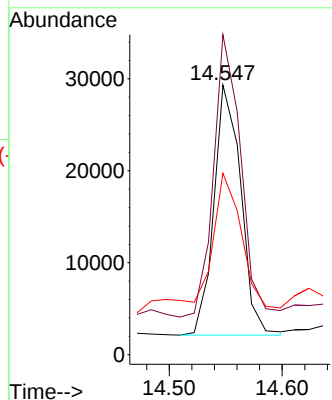
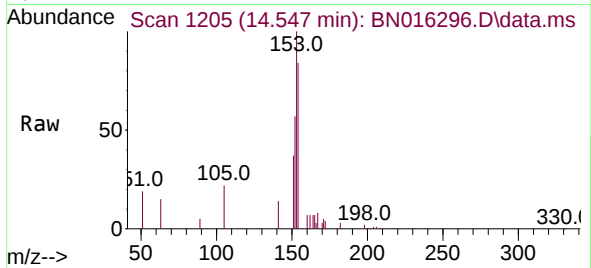




#17
Acenaphthene
Concen: 0.362 ng
RT: 14.547 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BN016296.D
Acq: 10 Sep 2021 18:33

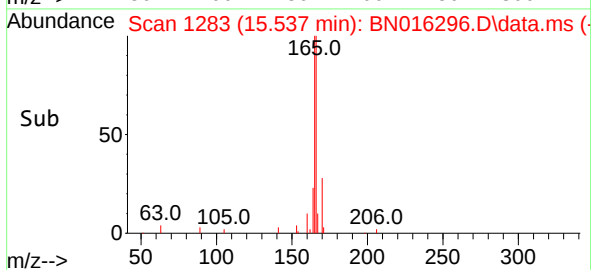
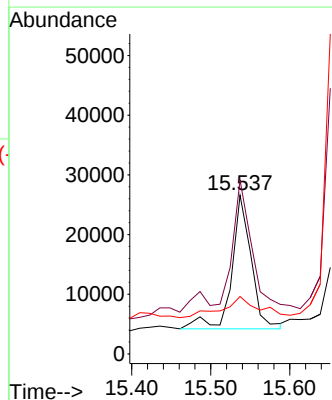
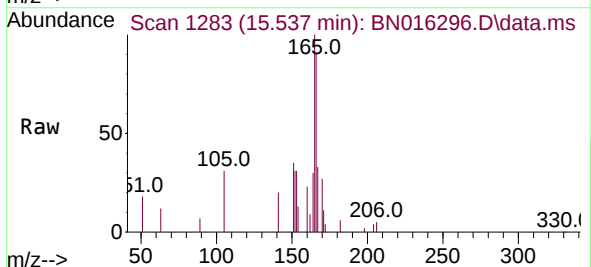
Instrument :
BNA_N
ClientSampled :
VE1-4

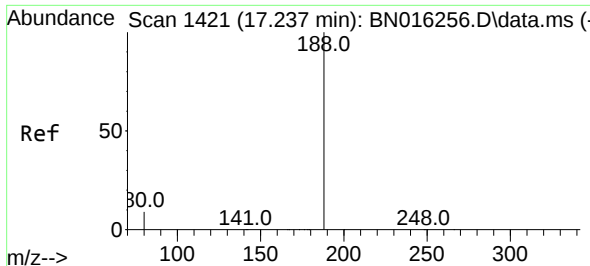
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Ion Ratio Lower Upper
154 100
153 114.0 89.3 133.9
152 76.4 42.2 63.4#



#18
Fluorene
Concen: 0.249 ng
RT: 15.537 min Scan# 1283
Delta R.T. -0.000 min
Lab File: BN016296.D
Acq: 10 Sep 2021 18:33

Tgt Ion:166 Resp: 38403
Ion Ratio Lower Upper
166 100
165 93.0 76.7 115.1
167 29.7 10.9 16.3#

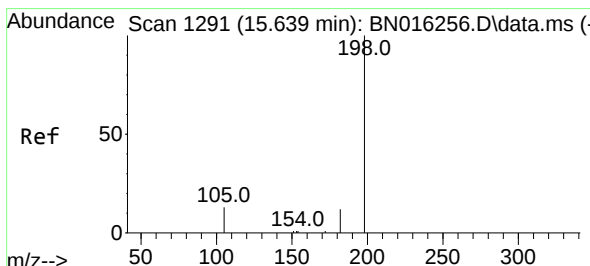
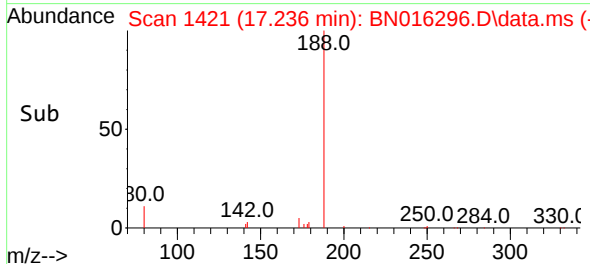
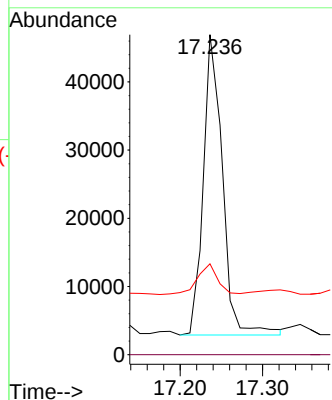
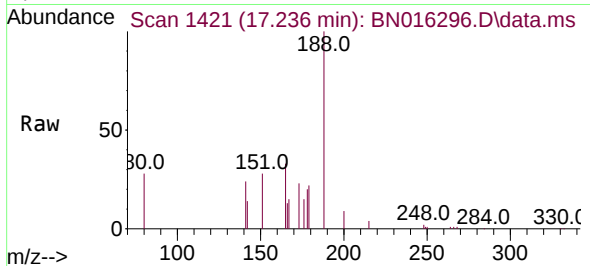




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.236 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BN016296.D
Acq: 10 Sep 2021 18:33

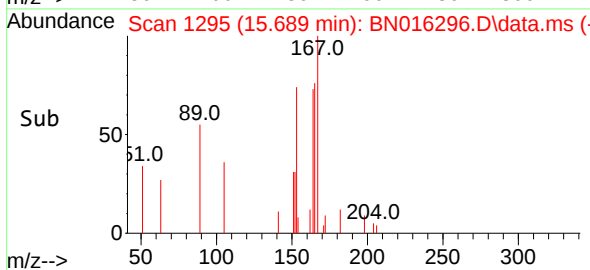
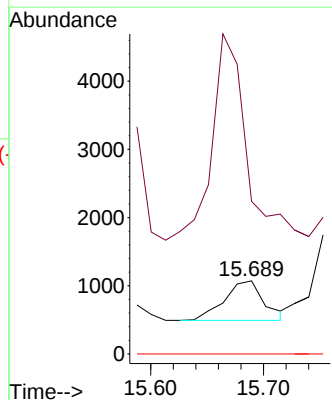
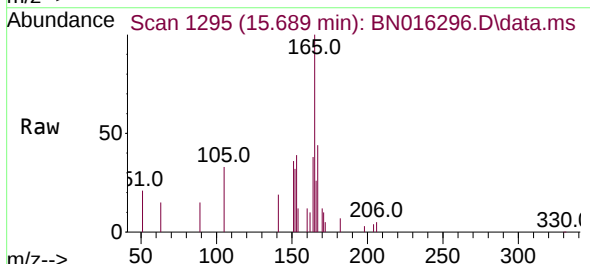
Instrument :
BNA_N
ClientSampled :
VE1-4

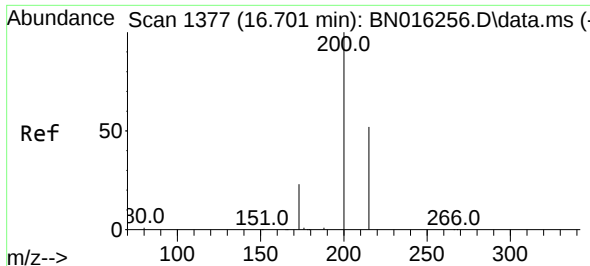
Tgt Ion:188 Resp: 70974
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 28.4 7.0 10.6#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.617 ng
RT: 15.689 min Scan# 1295
Delta R.T. 0.050 min
Lab File: BN016296.D
Acq: 10 Sep 2021 18:33

Tgt Ion:198 Resp: 1409
Ion Ratio Lower Upper
198 100
182 208.9 26.6 39.8#
77 0.0 0.0 0.0

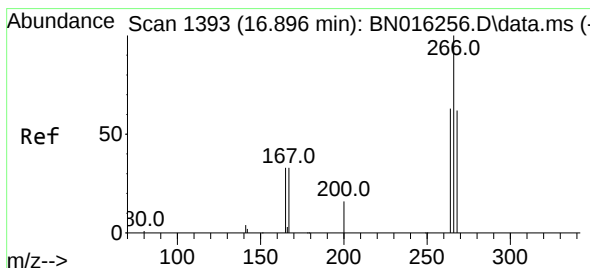
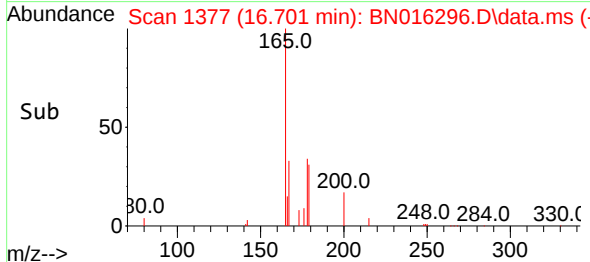
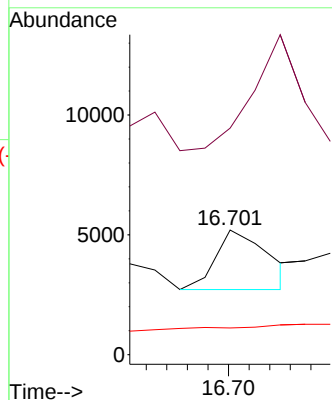
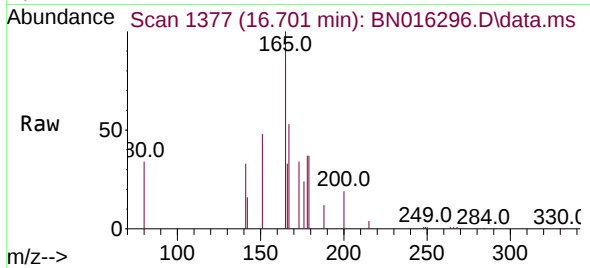




#23
Atrazine
Concen: 0.126 ng
RT: 16.701 min Scan# 1377
Delta R.T. -0.000 min
Lab File: BN016296.D
Acq: 10 Sep 2021 18:33

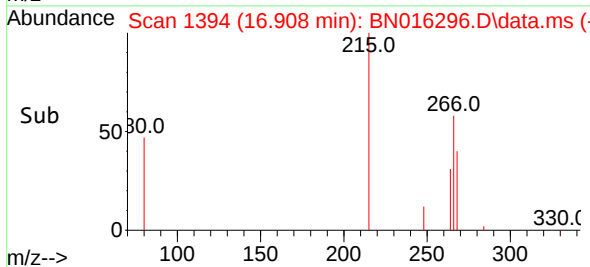
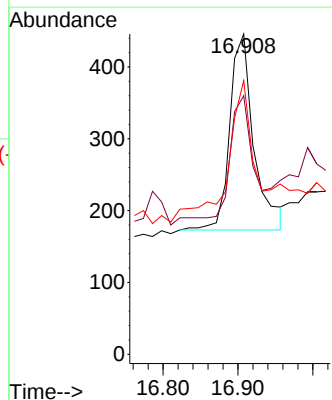
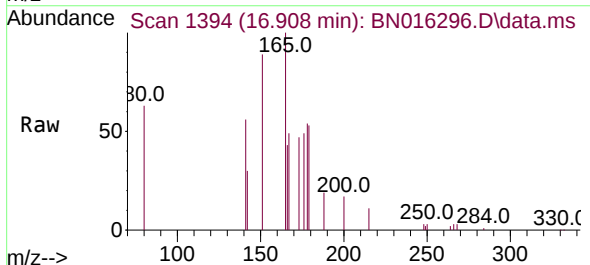
Instrument :
BNA_N
ClientSampleId :
VE1-4

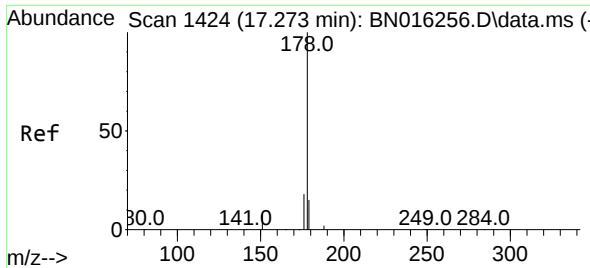
Tgt Ion:200 Resp: 4416
Ion Ratio Lower Upper
200 100
173 181.8 18.7 28.1#
215 21.4 41.6 62.4#



#24
Pentachlorophenol
Concen: 0.206 ng
RT: 16.908 min Scan# 1394
Delta R.T. 0.012 min
Lab File: BN016296.D
Acq: 10 Sep 2021 18:33

Tgt Ion:266 Resp: 610
Ion Ratio Lower Upper
266 100
264 59.8 50.6 75.8
268 56.1 52.6 79.0

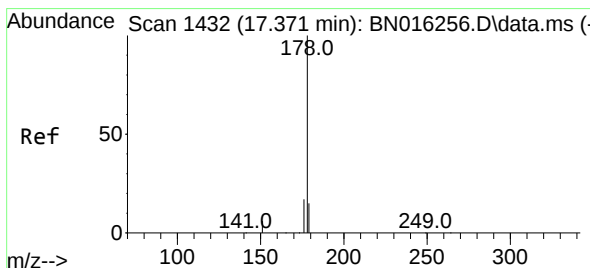
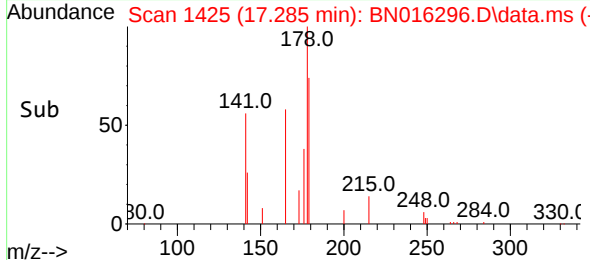
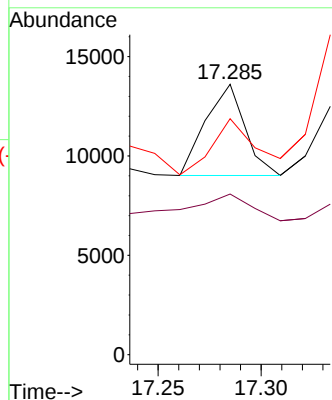
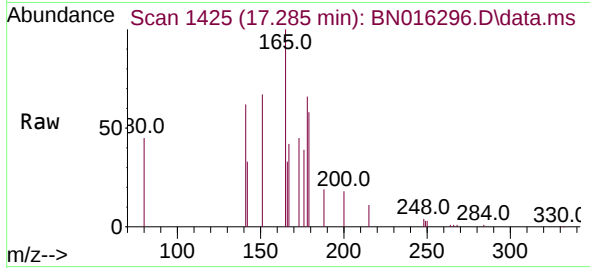




#25
Phenanthrene
Concen: 0.030 ng
RT: 17.285 min Scan# 1425
Delta R.T. 0.012 min
Lab File: BN016296.D
Acq: 10 Sep 2021 18:33

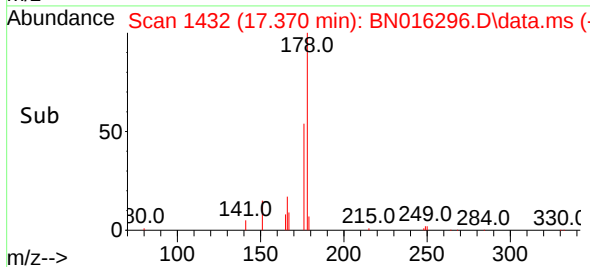
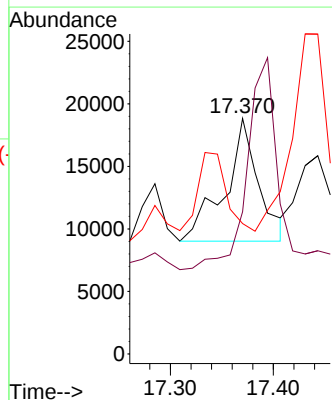
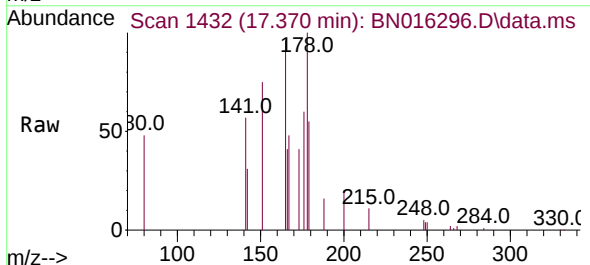
Instrument :
BNA_N
ClientSampled :
VE1-4

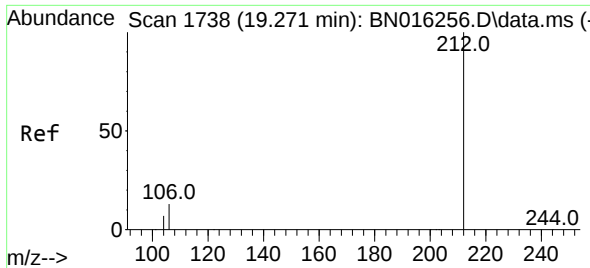
Tgt Ion:178 Resp: 6096
Ion Ratio Lower Upper
178 100
176 45.3 14.4 21.6#
179 70.9 12.2 18.4#



#26
Anthracene
Concen: 0.118 ng
RT: 17.370 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BN016296.D
Acq: 10 Sep 2021 18:33

Tgt Ion:178 Resp: 22395
Ion Ratio Lower Upper
178 100
176 0.0 13.9 20.9#
179 0.0 12.2 18.4#

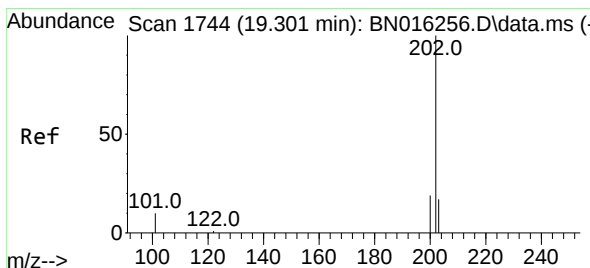
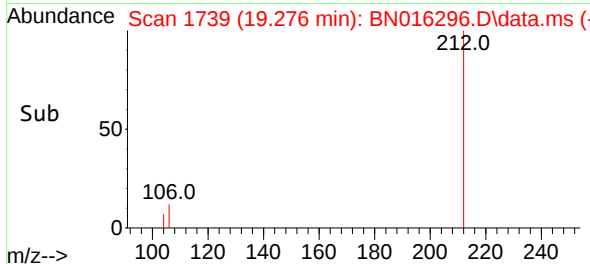
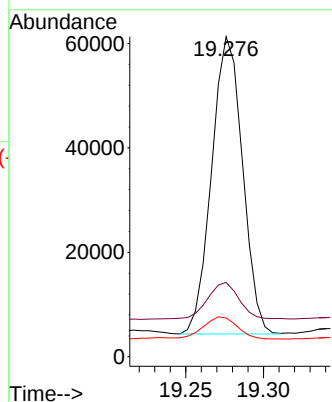
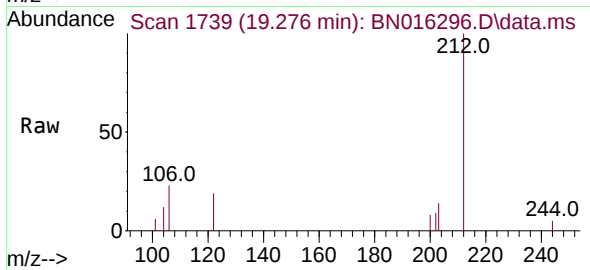




#27
Fluoranthene-d10
Concen: 0.378 ng
RT: 19.276 min Scan# 1739
Delta R.T. 0.005 min
Lab File: BN016296.D
Acq: 10 Sep 2021 18:33

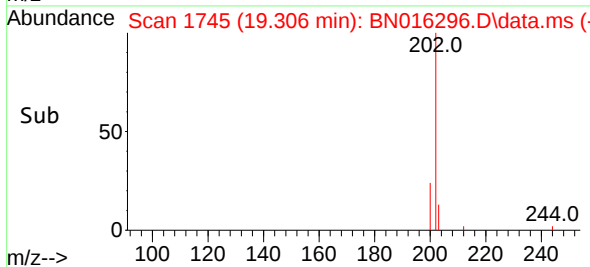
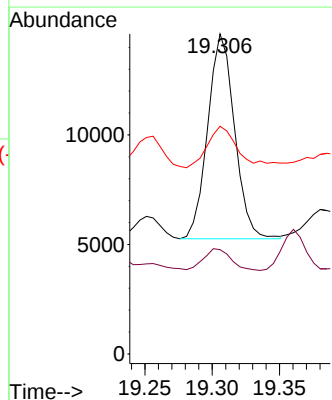
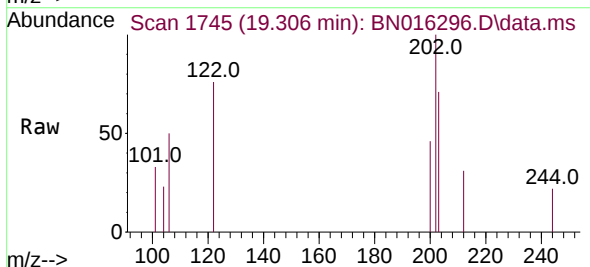
Instrument :
BNA_N
ClientSampleId :
VE1-4

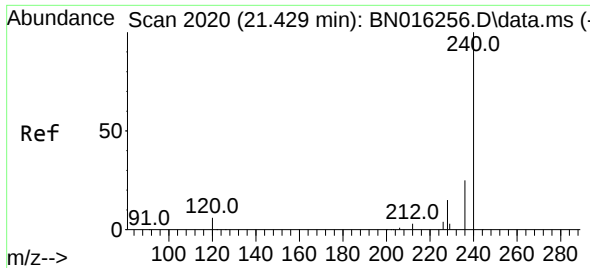
Tgt Ion:212 Resp: 78767
Ion Ratio Lower Upper
212 100
106 13.1 9.8 14.6
104 8.3 5.4 8.2#



#28
Fluoranthene
Concen: 0.054 ng
RT: 19.306 min Scan# 1745
Delta R.T. 0.005 min
Lab File: BN016296.D
Acq: 10 Sep 2021 18:33

Tgt Ion:202 Resp: 12979
Ion Ratio Lower Upper
202 100
101 10.5 8.5 12.7
203 23.3 13.8 20.8#

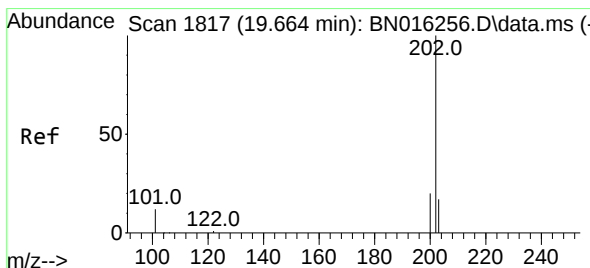
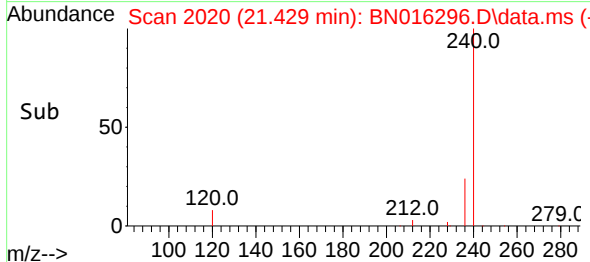
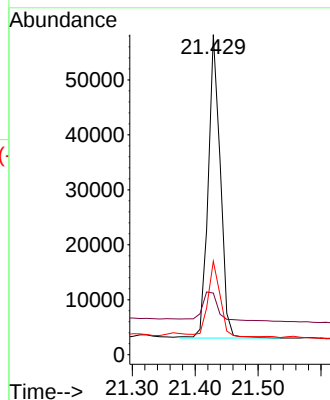
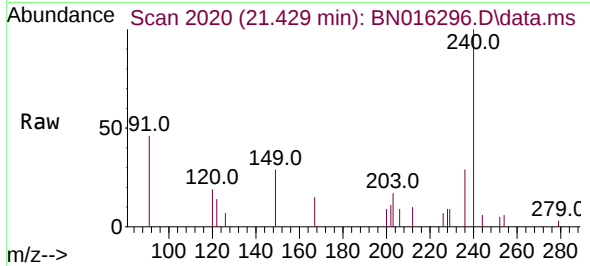




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.429 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BN016296.D
Acq: 10 Sep 2021 18:33

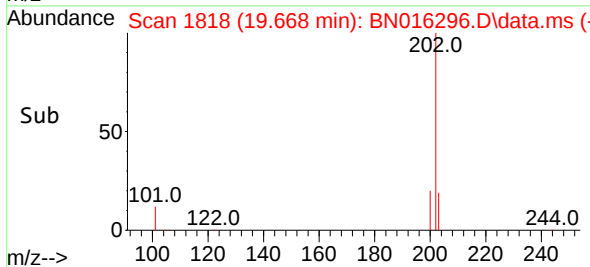
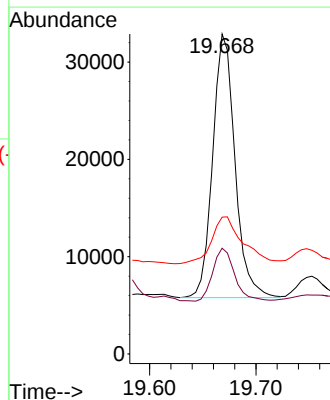
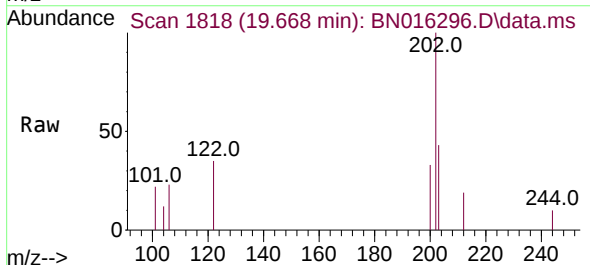
Instrument :
BNA_N
ClientSampleId :
VE1-4

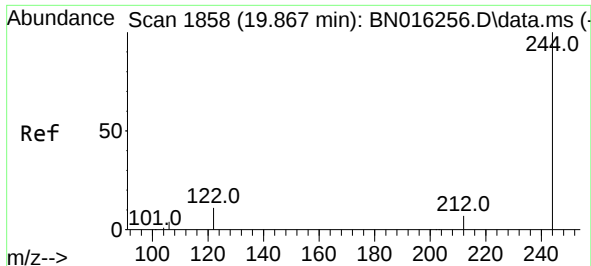
Tgt Ion:240 Resp: 73365
Ion Ratio Lower Upper
240 100
120 19.2 5.3 7.9#
236 29.2 19.8 29.8



#30
Pyrene
Concen: 0.159 ng
RT: 19.668 min Scan# 1818
Delta R.T. 0.005 min
Lab File: BN016296.D
Acq: 10 Sep 2021 18:33

Tgt Ion:202 Resp: 39447
Ion Ratio Lower Upper
202 100
200 19.6 15.8 23.6
203 24.7 13.9 20.9#

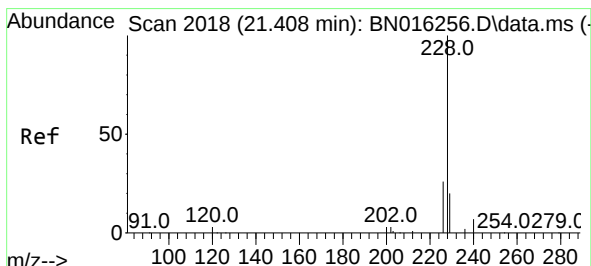
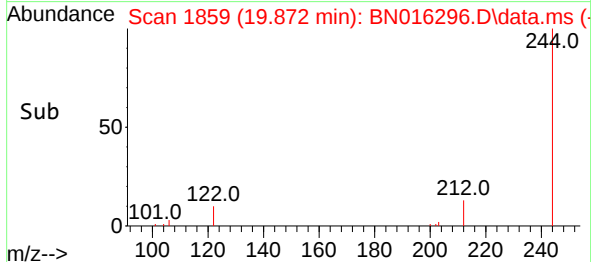
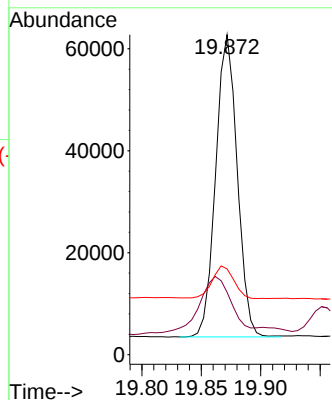
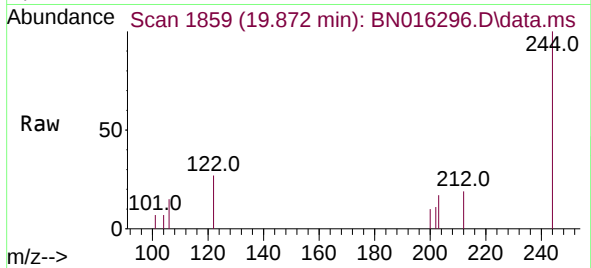




#31
Terphenyl-d14
Concen: 0.405 ng
RT: 19.872 min Scan# 1859
Delta R.T. 0.005 min
Lab File: BN016296.D
Acq: 10 Sep 2021 18:33

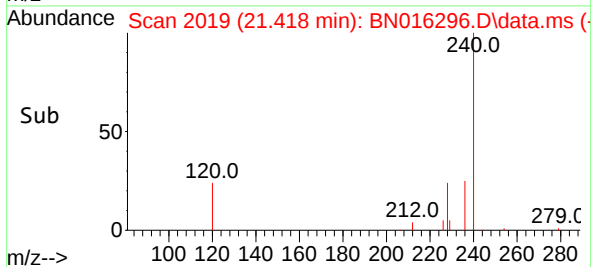
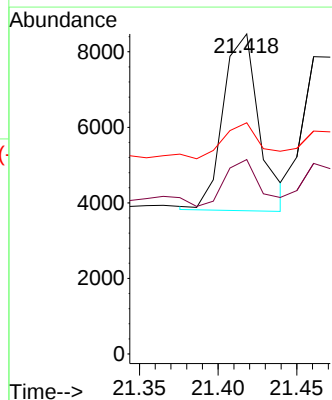
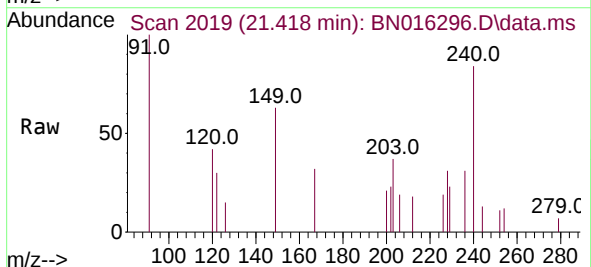
Instrument :
BNA_N
ClientSampled :
VE1-4

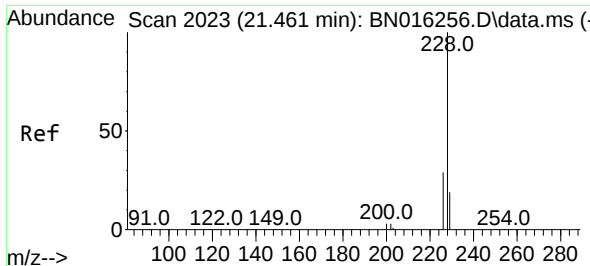
Tgt Ion:244 Resp: 74519
Ion Ratio Lower Upper
244 100
212 19.5 5.5 8.3#
122 26.8 9.0 13.4#



#32
Benzo(a)anthracene
Concen: 0.033 ng
RT: 21.418 min Scan# 2019
Delta R.T. 0.010 min
Lab File: BN016296.D
Acq: 10 Sep 2021 18:33

Tgt Ion:228 Resp: 7469
Ion Ratio Lower Upper
228 100
226 60.7 20.8 31.2#
229 72.2 15.8 23.6#

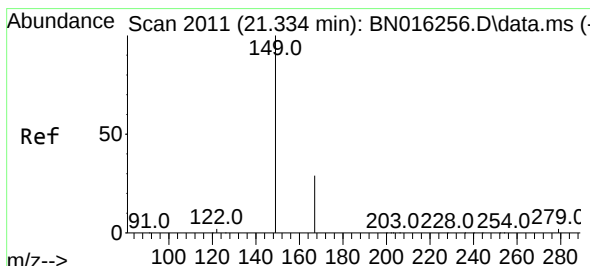
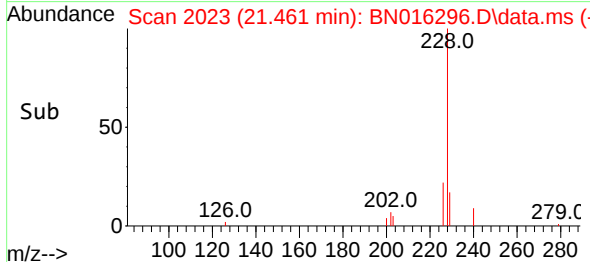
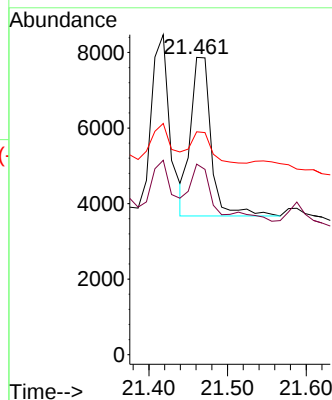
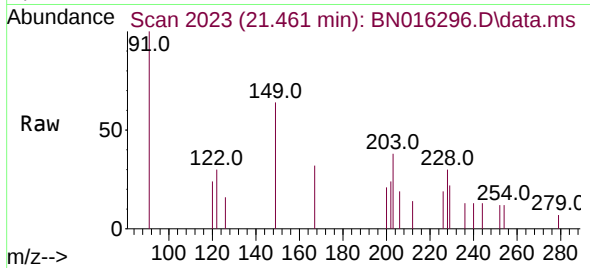




#33
Chrysene
Concen: 0.034 ng
RT: 21.461 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BN016296.D
Acq: 10 Sep 2021 18:33

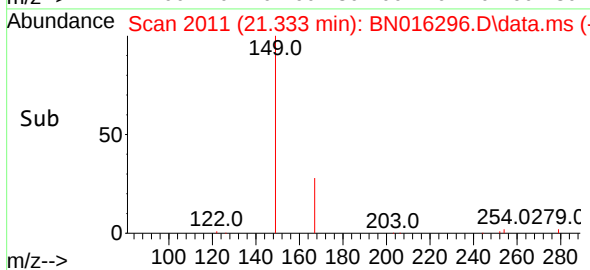
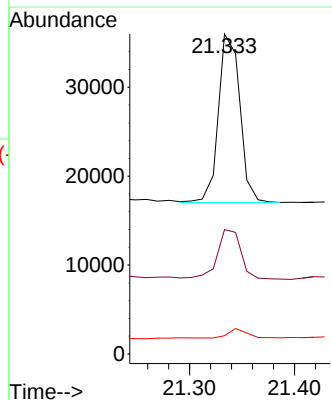
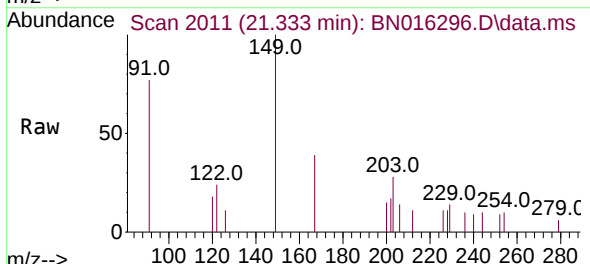
Instrument :
BNA_N
ClientSampled :
VE1-4

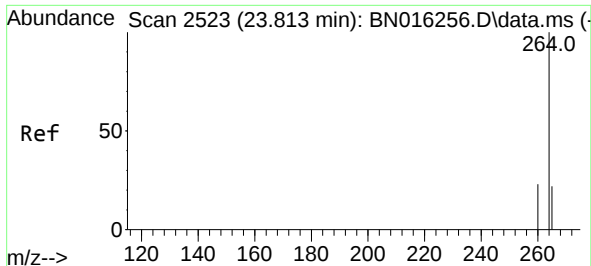
Tgt Ion:228 Resp: 7629
Ion Ratio Lower Upper
228 100
226 64.1 23.0 34.4#
229 75.0 15.6 23.4#



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.191 ng
RT: 21.333 min Scan# 2011
Delta R.T. -0.000 min
Lab File: BN016296.D
Acq: 10 Sep 2021 18:33

Tgt Ion:149 Resp: 26921
Ion Ratio Lower Upper
149 100
167 32.3 23.4 35.0
279 5.1 3.9 5.9

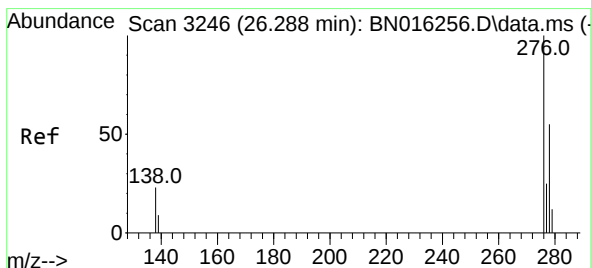
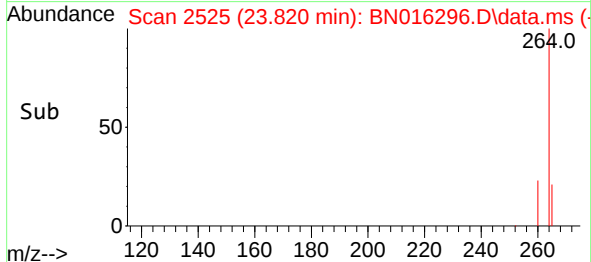
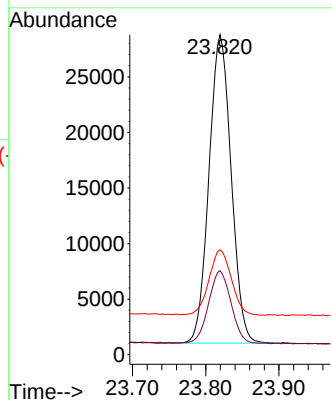
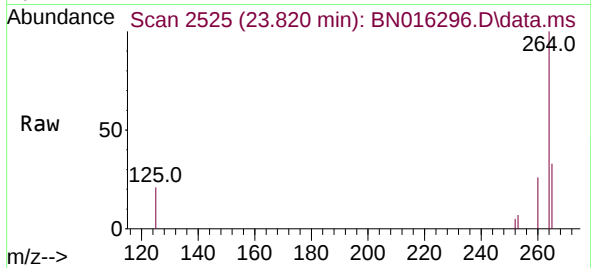




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.820 min Scan# 2525
Delta R.T. 0.006 min
Lab File: BN016296.D
Acq: 10 Sep 2021 18:33

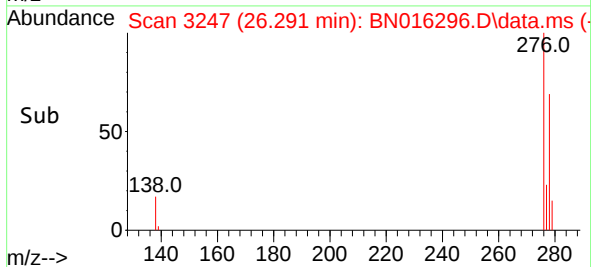
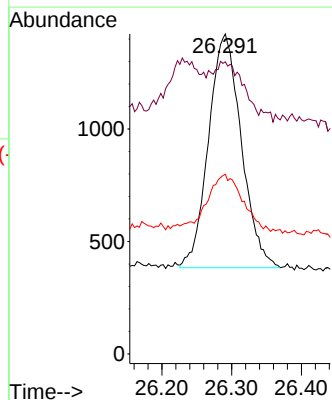
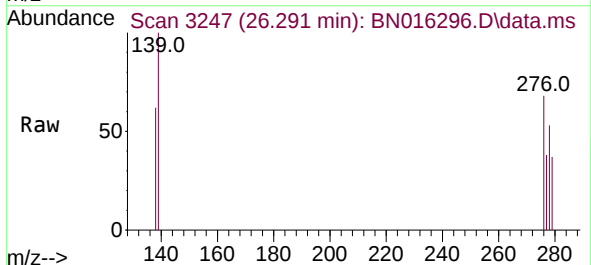
Instrument :
BNA_N
ClientSampled :
VE1-4

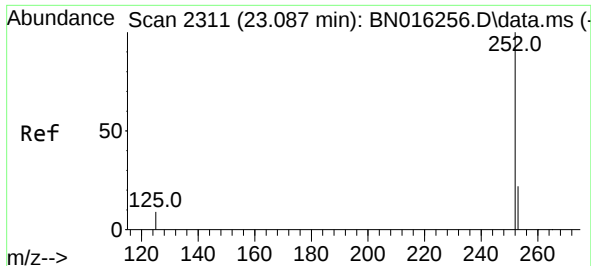
Tgt Ion:264 Resp: 58461
Ion Ratio Lower Upper
264 100
260 26.3 18.9 28.3
265 32.7 23.7 35.5



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.035 ng
RT: 26.291 min Scan# 3247
Delta R.T. 0.003 min
Lab File: BN016296.D
Acq: 10 Sep 2021 18:33

Tgt Ion:276 Resp: 3400
Ion Ratio Lower Upper
276 100
138 0.0 19.3 28.9#
277 27.1 20.2 30.2





#37

Benzo(b)fluoranthene

Concen: 0.029 ng

RT: 23.090 min Scan# 2312

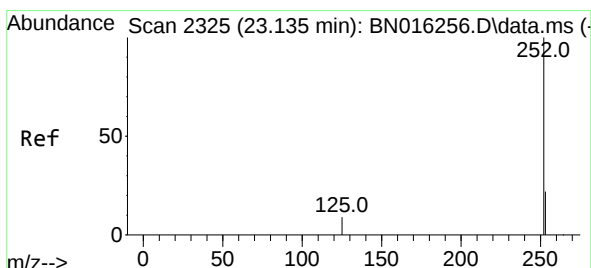
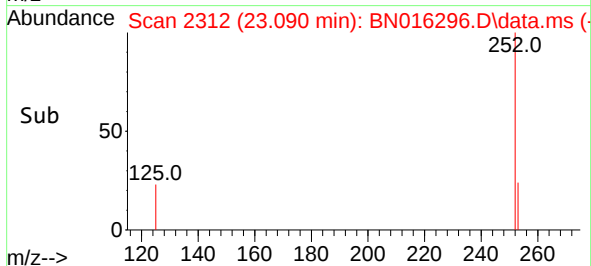
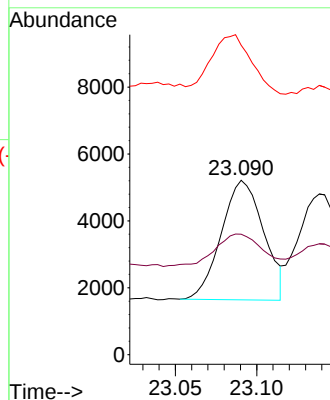
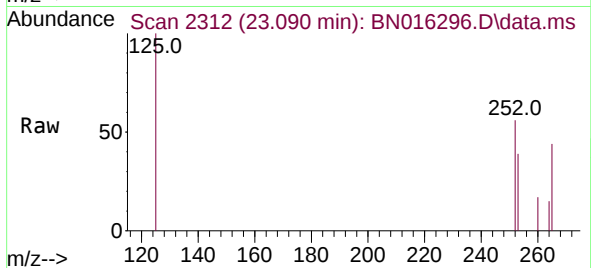
Delta R.T. 0.003 min

Lab File: BN016296.D

Acq: 10 Sep 2021 18:33

Tgt Ion:252	Resp:	6494
Ion Ratio	Lower	Upper
252	100	
253	69.1	18.2 27.2#
125	177.5	8.4 12.6#

Instrument :
BNA_N
ClientSampled :
VE1-4



#38

Benzo(k)fluoranthene

Concen: 0.030 ng

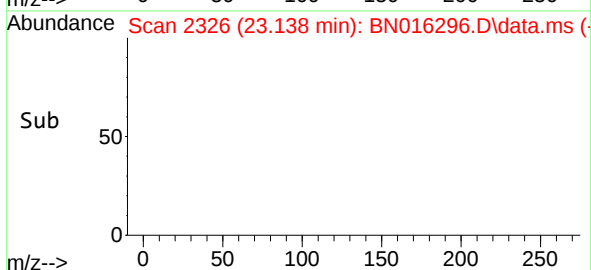
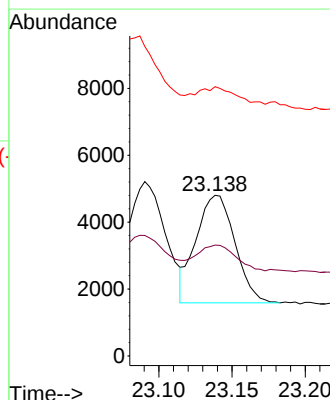
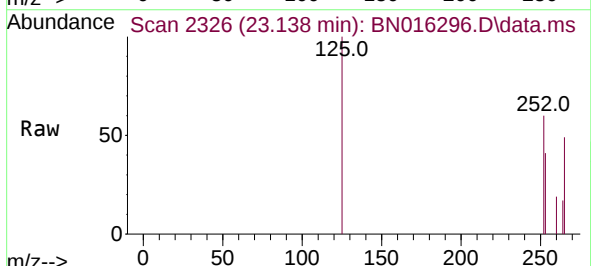
RT: 23.138 min Scan# 2326

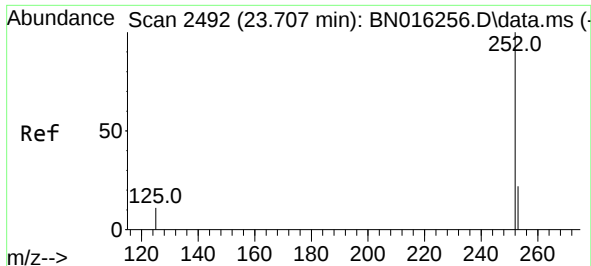
Delta R.T. 0.003 min

Lab File: BN016296.D

Acq: 10 Sep 2021 18:33

Tgt Ion:252	Resp:	5947
Ion Ratio	Lower	Upper
252	100	
253	69.0	18.2 27.2#
125	167.7	8.2 12.4#





#39

Benzo(a)pyrene

Concen: 0.031 ng

RT: 23.710 min Scan# 2493

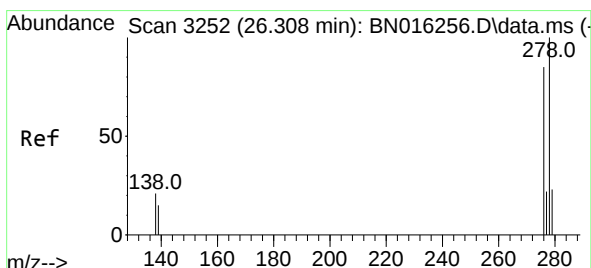
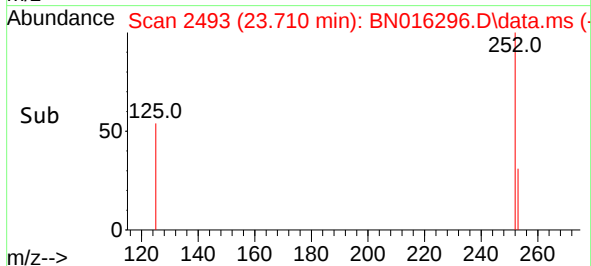
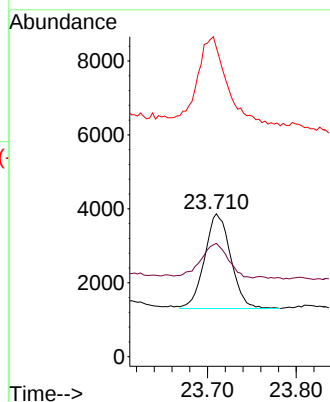
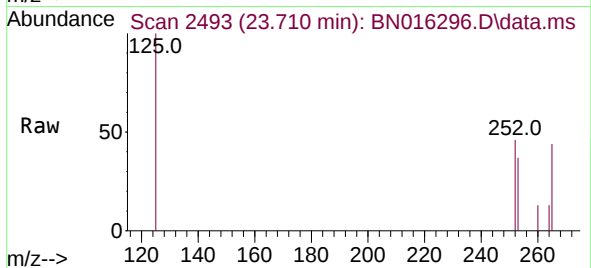
Delta R.T. 0.003 min

Lab File: BN016296.D

Acq: 10 Sep 2021 18:33

Tgt Ion:252	Resp:	5233
Ion Ratio	Lower	Upper
252	100	
253	79.3	18.7 28.1#
125	216.5	9.9 14.9#

Instrument :
BNA_N
ClientSampled :
VE1-4



#40

Dibenzo(a,h)anthracene

Concen: 0.038 ng

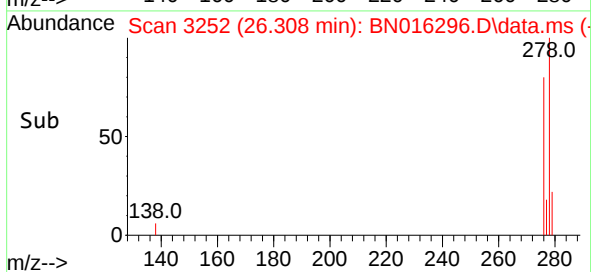
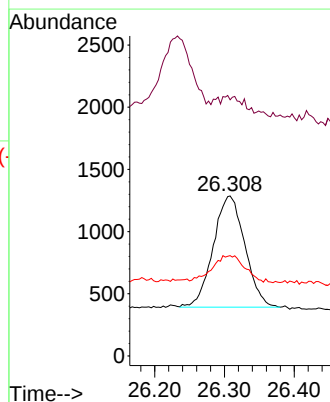
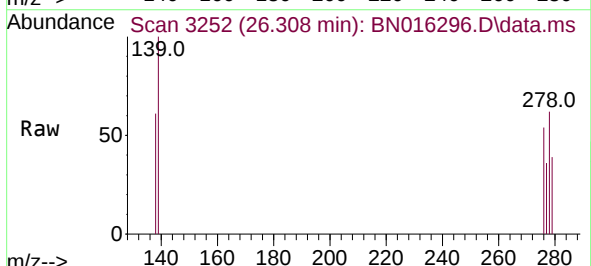
RT: 26.308 min Scan# 3252

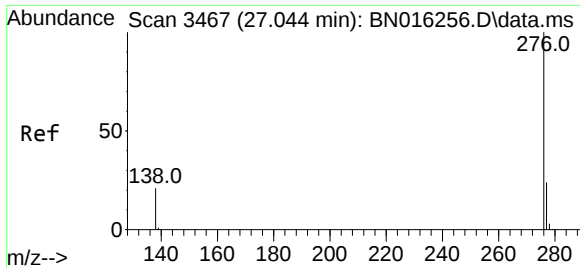
Delta R.T. -0.000 min

Lab File: BN016296.D

Acq: 10 Sep 2021 18:33

Tgt Ion:278	Resp:	2815
Ion Ratio	Lower	Upper
278	100	
139	160.1	14.2 21.2#
279	62.7	21.3 31.9#





#41
Benzo(g,h,i)perylene
Concen: 0.034 ng
RT: 27.051 min Scan# 3469
Delta R.T. 0.006 min
Lab File: BN016296.D
Acq: 10 Sep 2021 18:33

Instrument :
BNA_N
ClientSampleId :
VE1-4

Tgt Ion:	276	Resp:	2768
Ion Ratio	Lower	Upper	
276	100		
277	59.6	20.5	30.7#
138	96.6	18.2	27.4#

