

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122921\
 Data File : BN018269.D
 Acq On : 29 Dec 2021 20:01
 Operator : CG/JU
 Sample : M5107-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 30 02:23:55 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN122921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 29 16:08:47 2021
 Response via : Initial Calibration

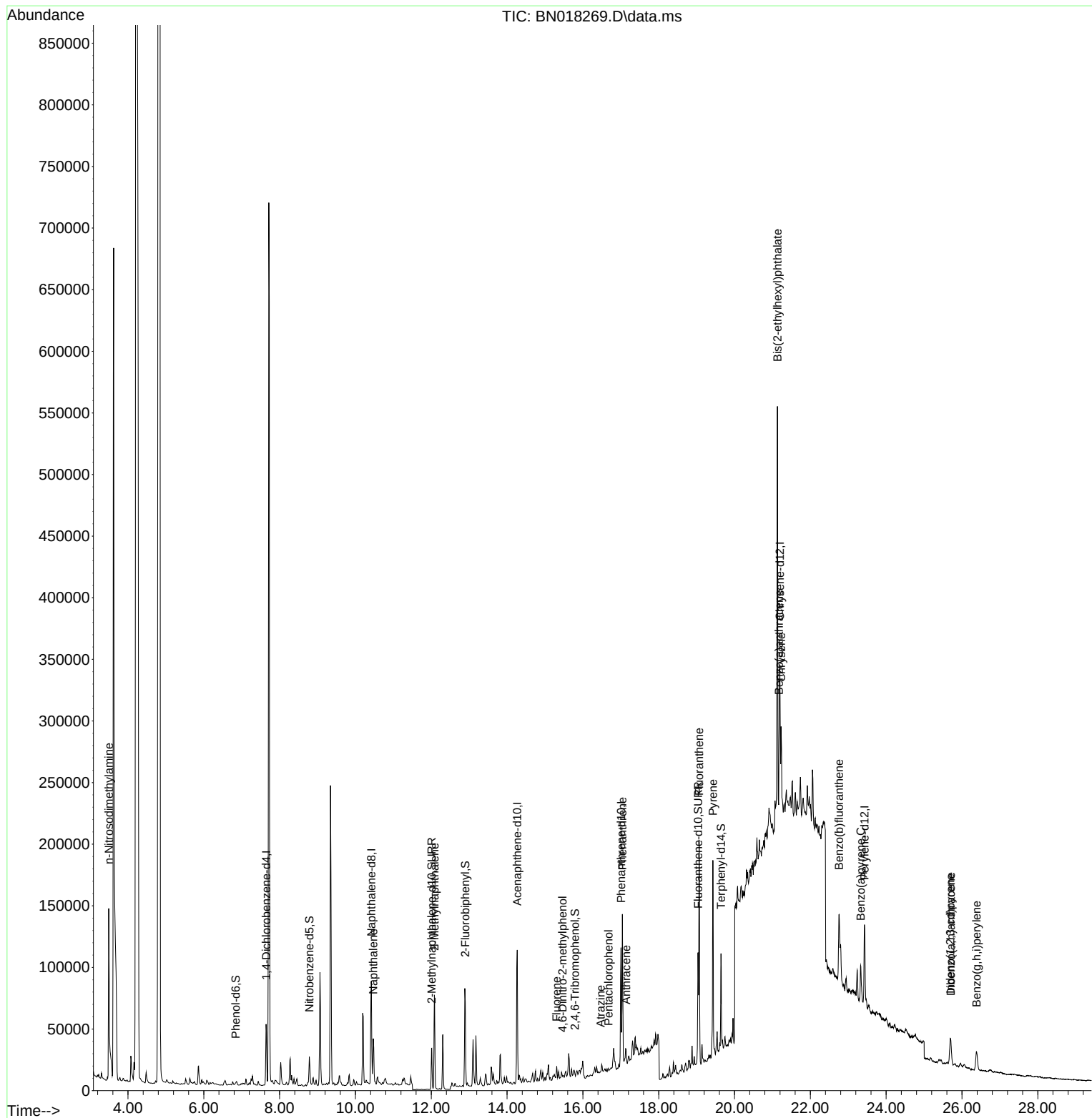
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.642	152	27581	0.400	ng	0.00
7) Naphthalene-d8	10.419	136	110573	0.400	ng	0.00
13) Acenaphthene-d10	14.268	164	69103	0.400	ng	0.00
19) Phenanthrene-d10	17.005	188	135049	0.400	ng	0.00
29) Chrysene-d12	21.195	240	97051	0.400	ng	# 0.00
35) Perylene-d12	23.429	264	94741	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.272	112	860	0.016	ng	0.03
5) Phenol-d6	6.840	99	1473	0.028	ng	0.00
8) Nitrobenzene-d5	8.784	82	20799	0.391	ng	0.00
11) 2-Methylnaphthalene-d10	12.007	152	46788	0.252	ng	0.00
14) 2,4,6-Tribromophenol	15.791	330	282	0.312	ng	0.02
15) 2-Fluorobiphenyl	12.898	172	73138	0.280	ng	0.00
27) Fluoranthene-d10	19.038	212	105461	0.245	ng	0.00
31) Terphenyl-d14	19.643	244	83229	0.338	ng	0.00
Target Compounds						
3) n-Nitrosodimethylamine	3.493	42	41184	1.818	ng	# 1
9) Naphthalene	10.470	128	23651	0.086	ng	98
12) 2-Methylnaphthalene	12.082	142	56804	0.324	ng	99
18) Fluorene	15.309	166	4297	0.020	ng	# 73
20) 4,6-Dinitro-2-methylph...	15.461	198	202	0.276	ng	# 1
23) Atrazine	16.470	200	383	0.141	ng	# 1
24) Pentachlorophenol	16.676	266	104	0.185	ng	# 61
25) Phenanthrene	17.042	178	124669	0.350	ng	# 96
26) Anthracene	17.139	178	15413	0.090	ng	# 82
28) Fluoranthene	19.068	202	164000	0.393	ng	99
30) Pyrene	19.430	202	146430	0.385	ng	96
32) Benzo(a)anthracene	21.174	228	63930	0.260	ng	# 78
33) Chrysene	21.227	228	67629	0.216	ng	# 82
34) Bis(2-ethylhexyl)phtha...	21.131	149	333130	2.750	ng	99
36) Indeno(1,2,3-cd)pyrene	25.692	276	35764	0.158	ng	96
37) Benzo(b)fluoranthene	22.758	252	77852	0.259	ng	# 1
39) Benzo(a)pyrene	23.327	252	48839	0.186	ng	# 1
40) Dibenzo(a,h)anthracene	25.706	278	15389	0.095	ng	# 1
41) Benzo(g,h,i)perylene	26.383	276	37969	0.168	ng	# 57

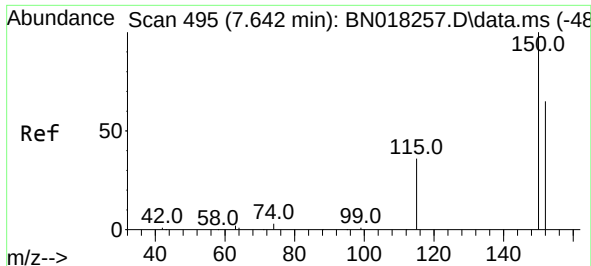
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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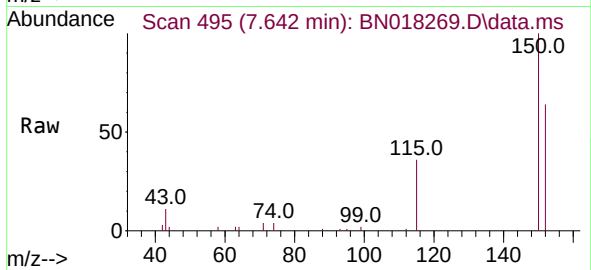
Quant Time: Dec 30 02:23:55 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN122921.M
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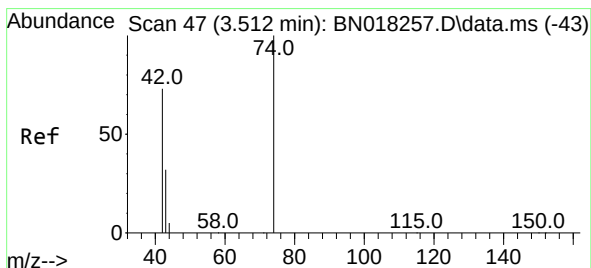
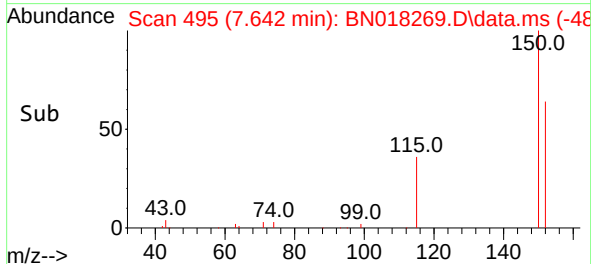
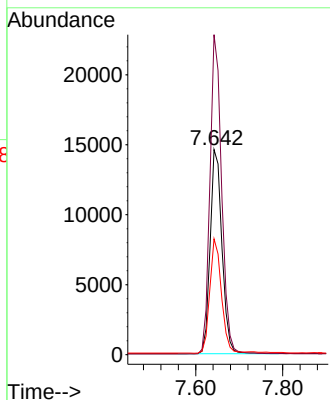


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.642 min Scan# 49
Delta R.T. 0.000 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

Instrument :
BNA_N
ClientSampleId :

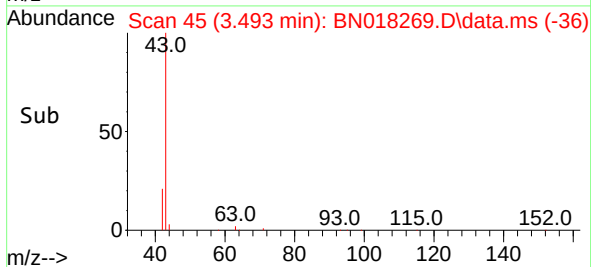
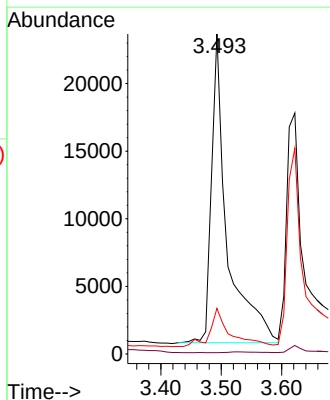
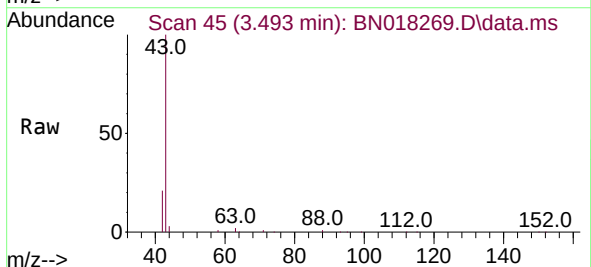


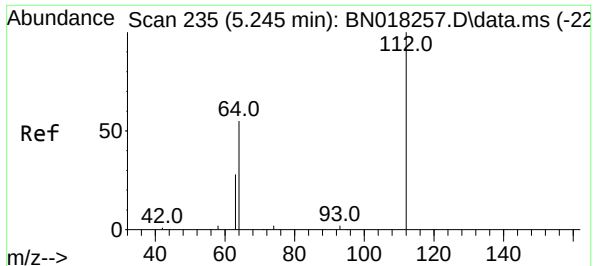
Tgt Ion:152 Resp: 27581
Ion Ratio Lower Upper
152 100
150 156.1 121.7 182.5
115 56.5 43.8 65.8



#3
n-Nitrosodimethylamine
Concen: 1.818 ng
RT: 3.493 min Scan# 45
Delta R.T. -0.019 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

Tgt Ion: 42 Resp: 41184
Ion Ratio Lower Upper
42 100
74 0.0 108.6 163.0#
44 15.6 5.8 8.8#

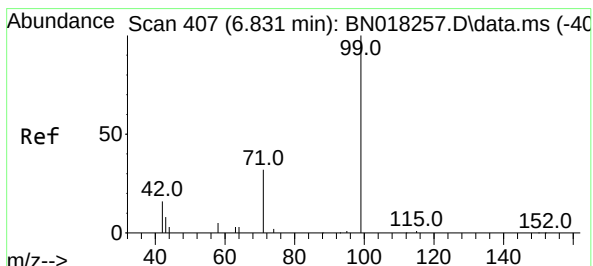
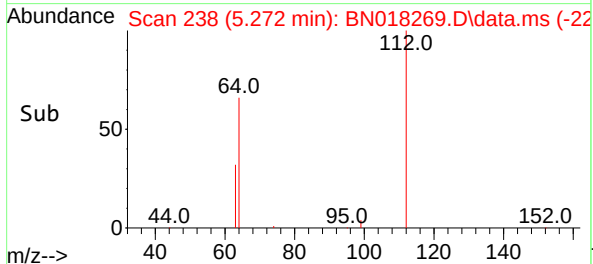
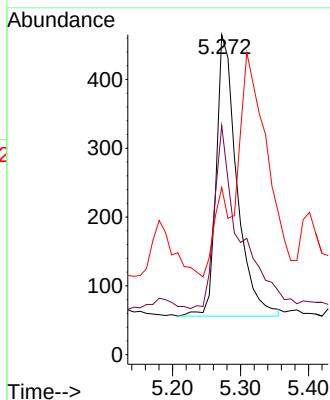
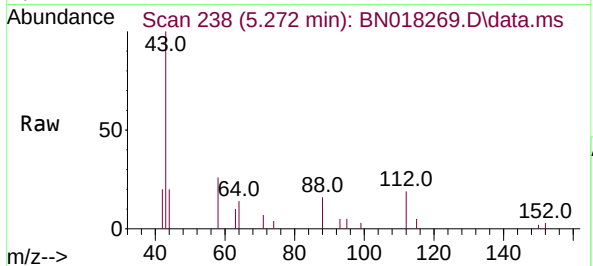




#4
2-Fluorophenol
Concen: 0.016 ng
RT: 5.272 min Scan# 21
Delta R.T. 0.027 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

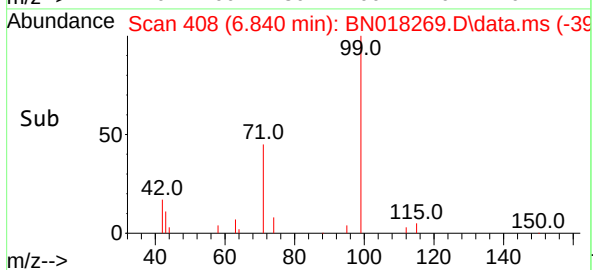
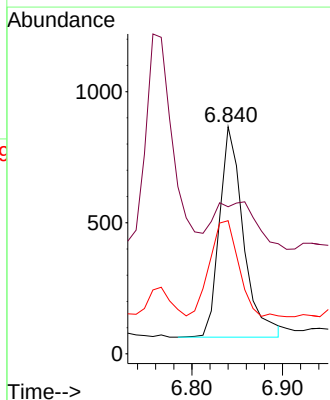
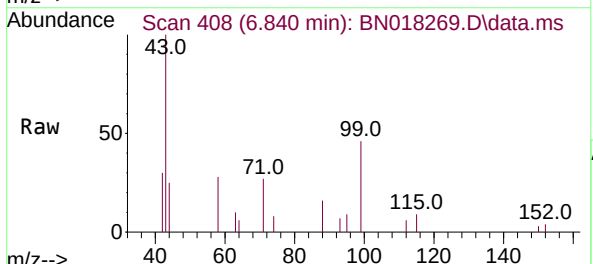
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BNA_N
ClientSampleId :

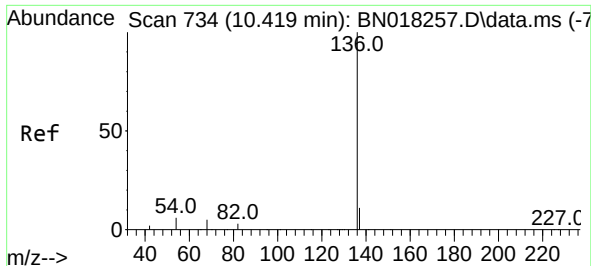
Tgt Ion:112 Resp: 860
Ion Ratio Lower Upper
112 100
64 78.7 48.0 72.0#
63 0.0 25.3 37.9#



#5
Phenol-d6
Concen: 0.028 ng
RT: 6.840 min Scan# 408
Delta R.T. 0.009 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

Tgt Ion: 99 Resp: 1473
Ion Ratio Lower Upper
99 100
42 32.0 16.3 24.5#
71 53.8 26.8 40.2#

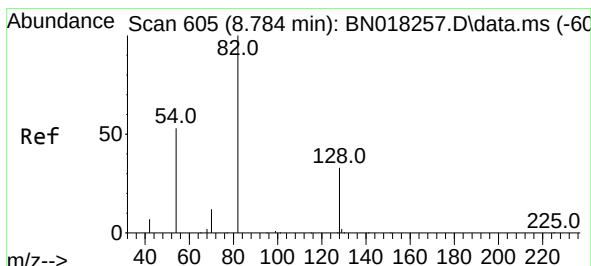
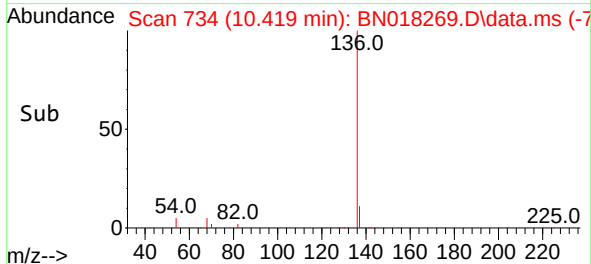
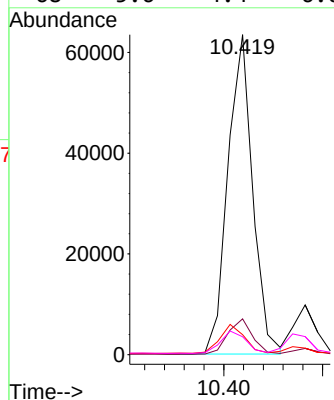
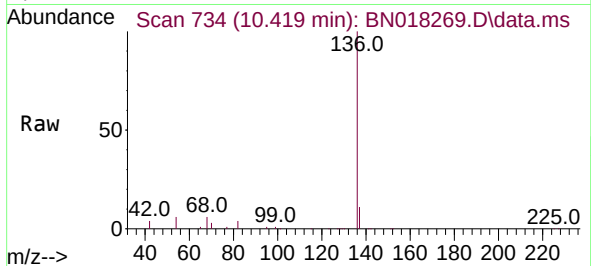




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.419 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

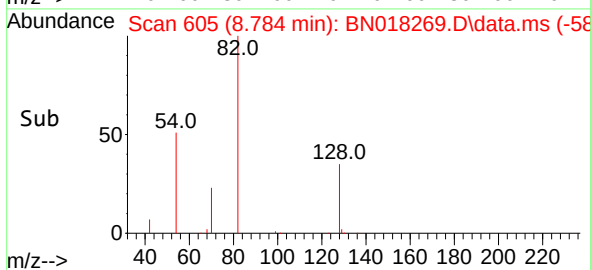
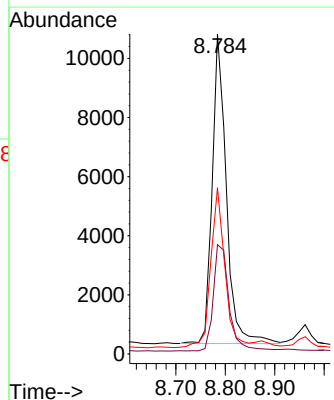
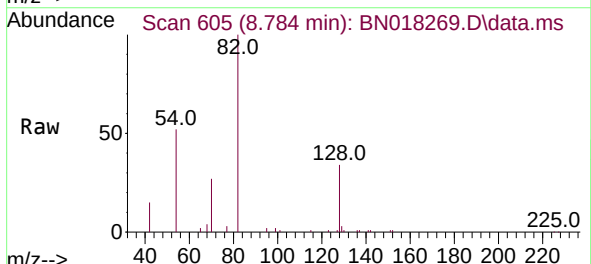
Instrument :
BNA_N
ClientSampleId :

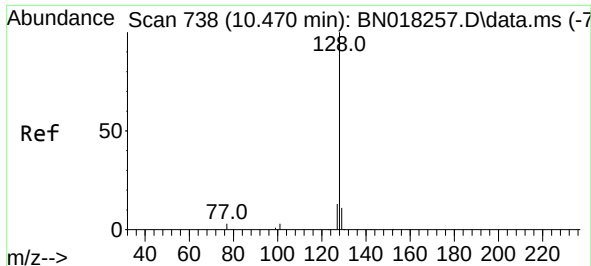
Tgt Ion:	136	Resp:	110573
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.8	13.2
54	6.3	5.0	7.6
68	5.6	4.4	6.6



#8
Nitrobenzene-d5
Concen: 0.391 ng
RT: 8.784 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

Tgt Ion:	82	Resp:	20799
Ion Ratio	Lower	Upper	
82	100		
128	34.2	33.7	50.5
54	51.9	36.6	55.0

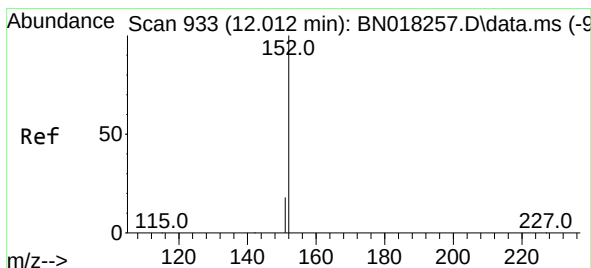
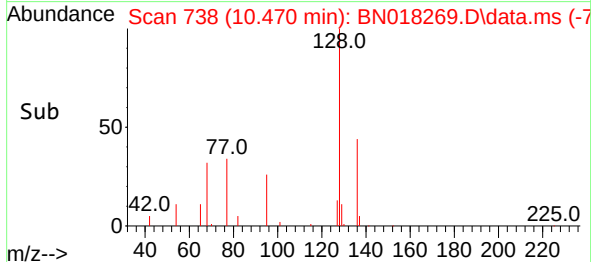
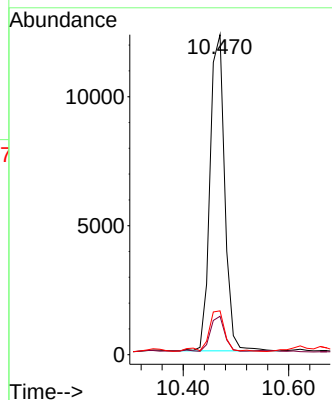
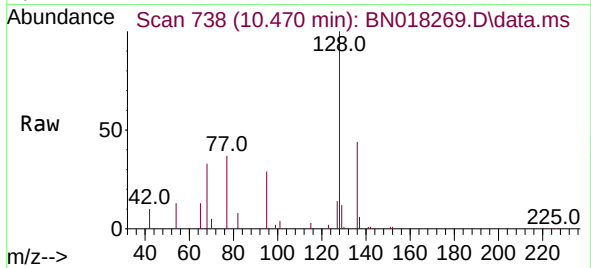




#9
Naphthalene
Concen: 0.086 ng
RT: 10.470 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

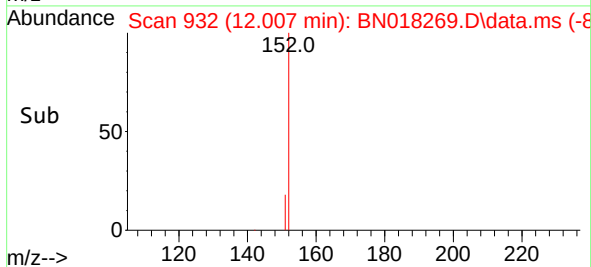
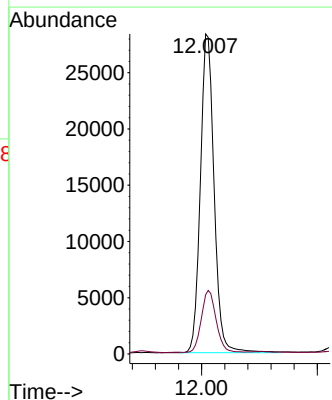
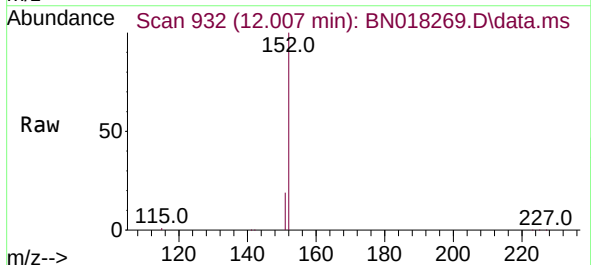
Instrument :
BNA_N
ClientSampleId :

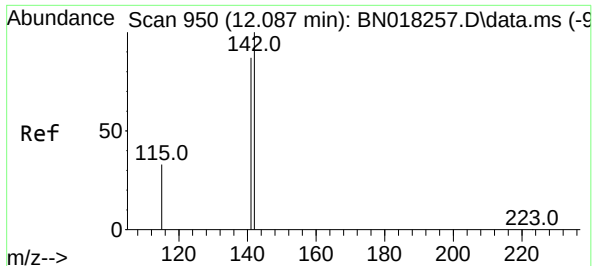
Tgt Ion:128 Resp: 23651
Ion Ratio Lower Upper
128 100
129 12.0 8.7 13.1
127 13.7 10.4 15.6



#11
2-Methylnaphthalene-d10
Concen: 0.252 ng
RT: 12.007 min Scan# 932
Delta R.T. -0.005 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

Tgt Ion:152 Resp: 46788
Ion Ratio Lower Upper
152 100
151 20.9 16.2 24.2





#12

2-Methylnaphthalene

Concen: 0.324 ng

RT: 12.082 min Scan# 949

Delta R.T. -0.005 min

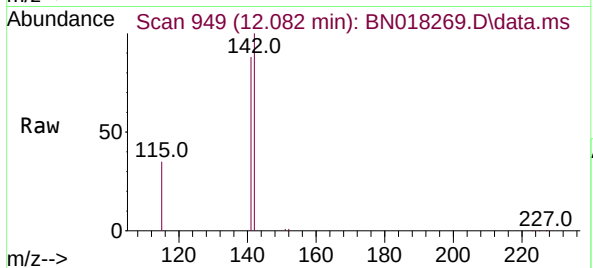
Lab File: BN018269.D

Acq: 29 Dec 2021 20:01

Instrument :

BNA_N

ClientSampleId :



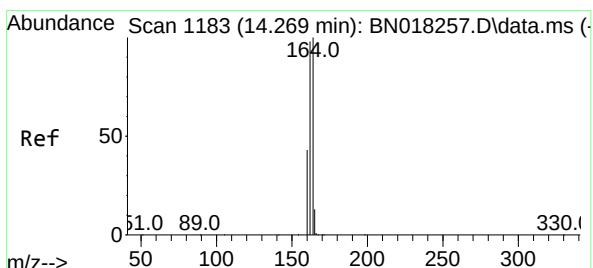
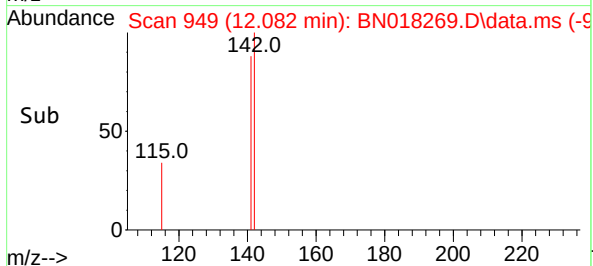
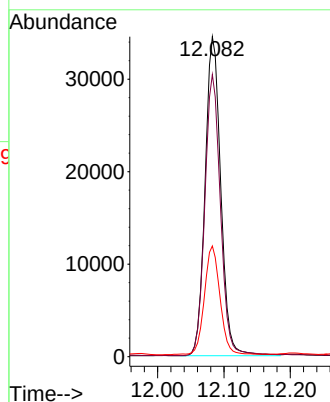
Tgt Ion:142 Resp: 56804

Ion Ratio Lower Upper

142 100

141 88.2 70.0 105.0

115 34.6 27.8 41.8



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.268 min Scan# 1183

Delta R.T. -0.001 min

Lab File: BN018269.D

Acq: 29 Dec 2021 20:01

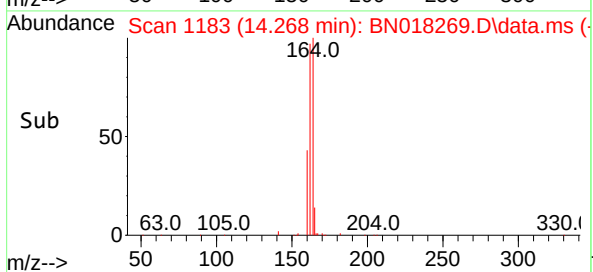
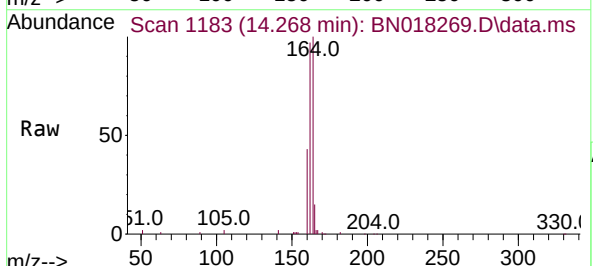
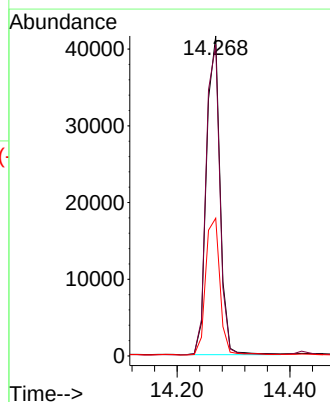
Tgt Ion:164 Resp: 69103

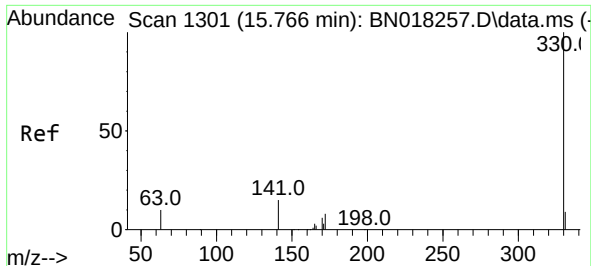
Ion Ratio Lower Upper

164 100

162 97.3 80.2 120.2

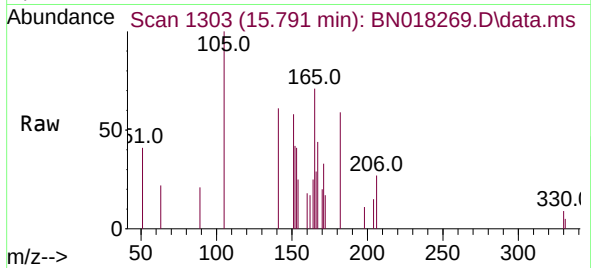
160 43.0 36.9 55.3



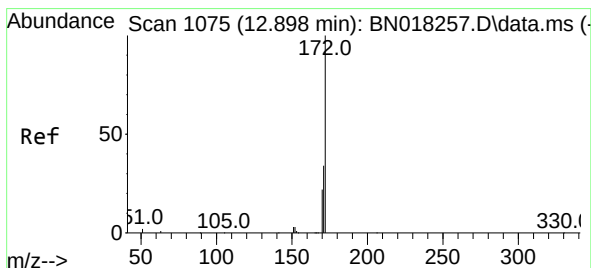
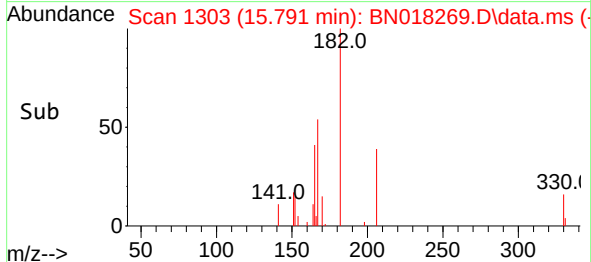
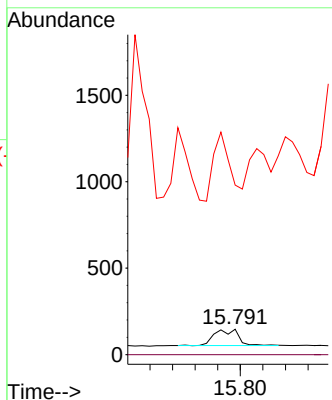


#14
 2,4,6-Tribromophenol
 Concen: 0.312 ng
 RT: 15.791 min Scan# 1303
 Delta R.T. 0.025 min
 Lab File: BN018269.D
 Acq: 29 Dec 2021 20:01

Instrument :
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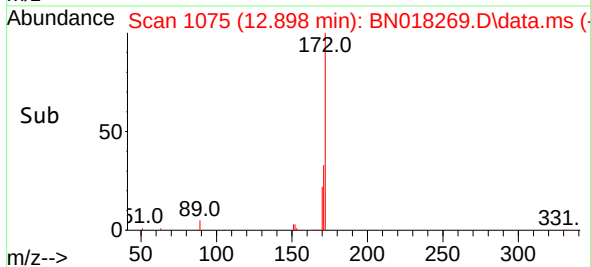
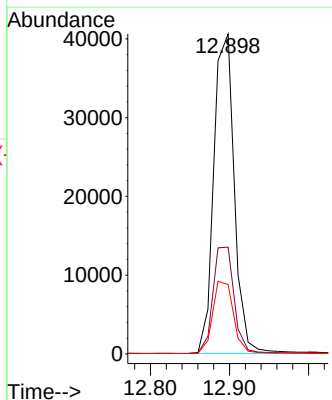
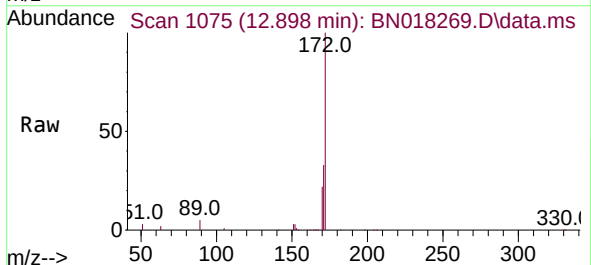


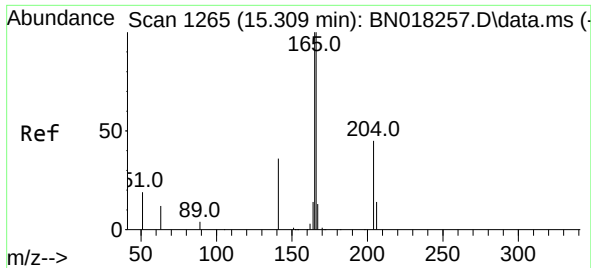
Tgt Ion:330 Resp: 282
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 0.0 21.3 31.9#



#15
 2-Fluorobiphenyl
 Concen: 0.280 ng
 RT: 12.898 min Scan# 1075
 Delta R.T. -0.000 min
 Lab File: BN018269.D
 Acq: 29 Dec 2021 20:01

Tgt Ion:172 Resp: 73138
 Ion Ratio Lower Upper
 172 100
 171 33.4 27.4 41.0
 170 21.7 18.4 27.6

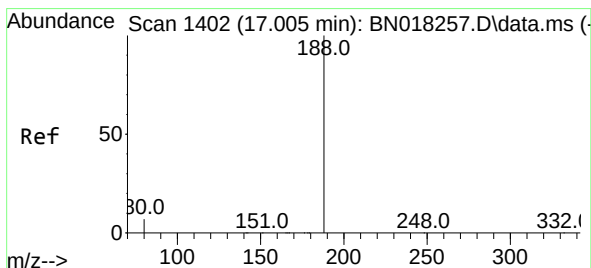
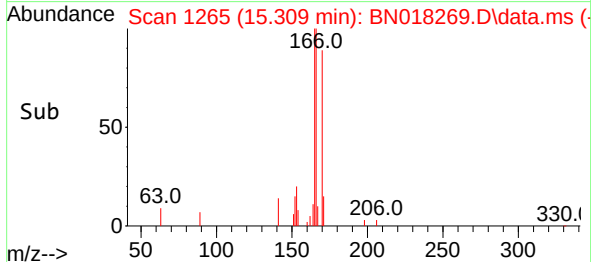
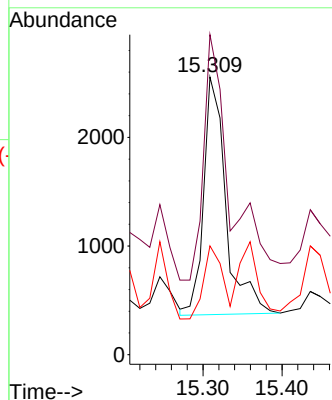
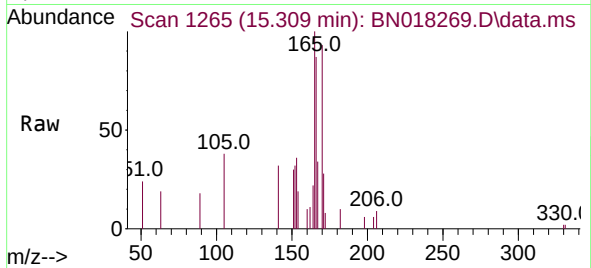




#18
 Fluorene
 Concen: 0.020 ng
 RT: 15.309 min Scan# 1265
 Delta R.T. -0.000 min
 Lab File: BN018269.D
 Acq: 29 Dec 2021 20:01

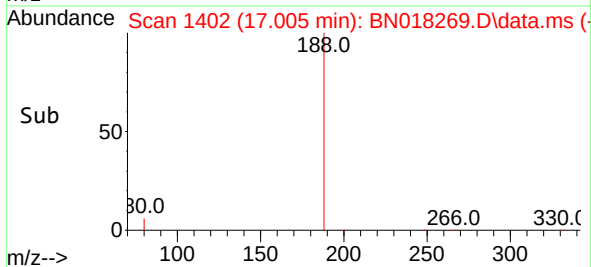
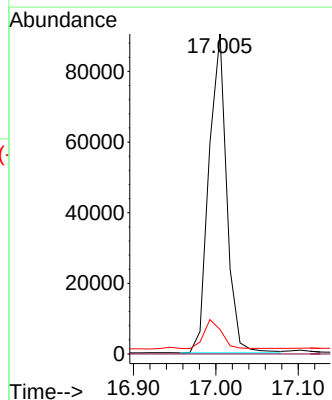
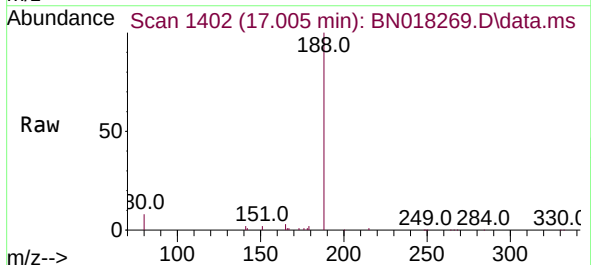
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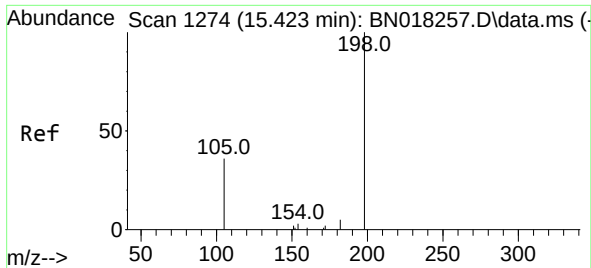
Tgt Ion:166 Resp: 4297
 Ion Ratio Lower Upper
 166 100
 165 123.4 77.8 116.6#
 167 26.3 10.9 16.3#



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.005 min Scan# 1402
 Delta R.T. 0.000 min
 Lab File: BN018269.D
 Acq: 29 Dec 2021 20:01

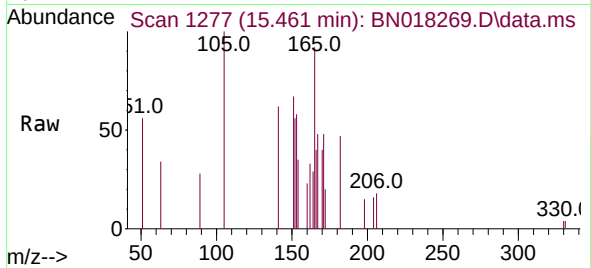
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 Ion Ratio Lower Upper
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 94 0.0 0.0 0.0
 80 7.7 7.0 10.4



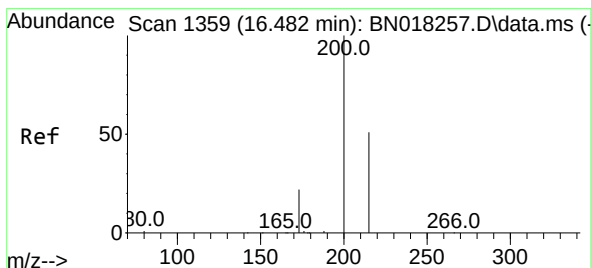
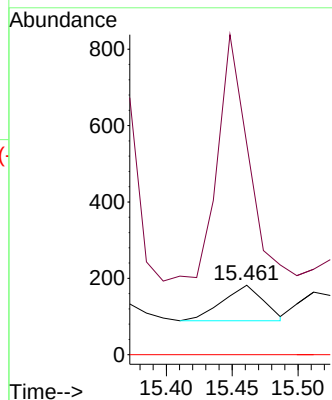
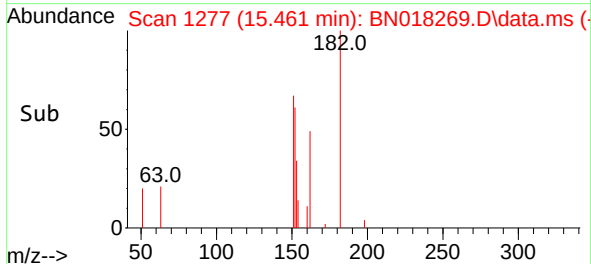


#20
4,6-Dinitro-2-methylphenol
Concen: 0.276 ng
RT: 15.461 min Scan# 11
Delta R.T. 0.038 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

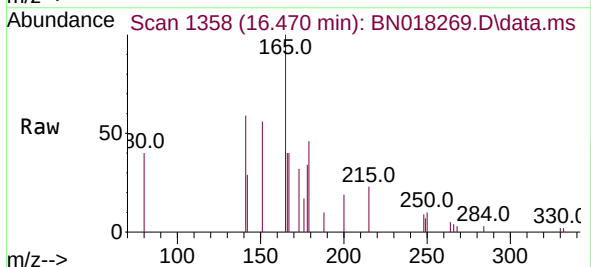
Instrument :
BNA_N
ClientSampleId :



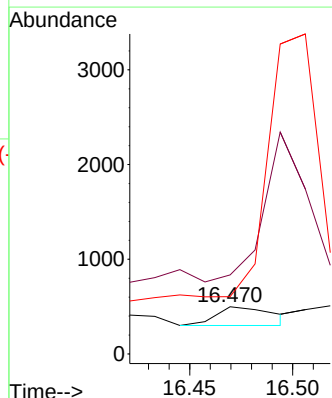
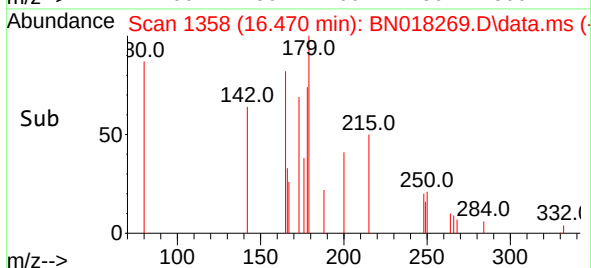
Tgt Ion:198 Resp: 202
Ion Ratio Lower Upper
198 100
182 303.3 15.5 23.3#
77 0.0 0.0 0.0

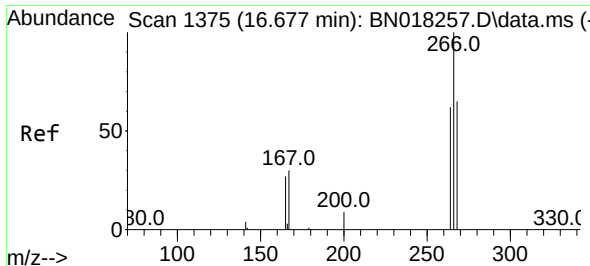


#23
Atrazine
Concen: 0.141 ng
RT: 16.470 min Scan# 1358
Delta R.T. -0.012 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01



Tgt Ion:200 Resp: 383
Ion Ratio Lower Upper
200 100
173 167.3 20.3 30.5#
215 121.2 40.4 60.6#

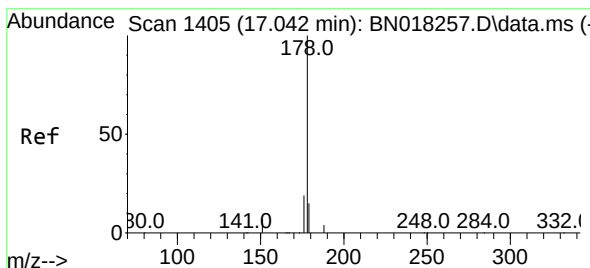
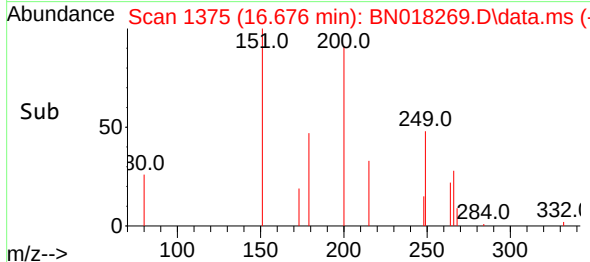
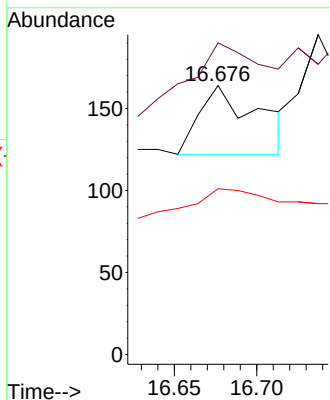
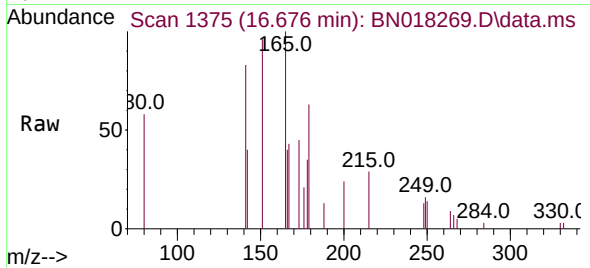




#24
 Pentachlorophenol
 Concen: 0.185 ng
 RT: 16.676 min Scan# 1375
 Delta R.T. -0.001 min
 Lab File: BN018269.D
 Acq: 29 Dec 2021 20:01

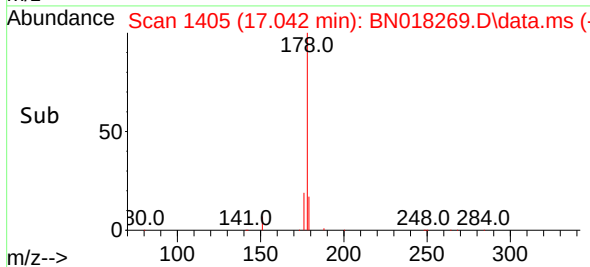
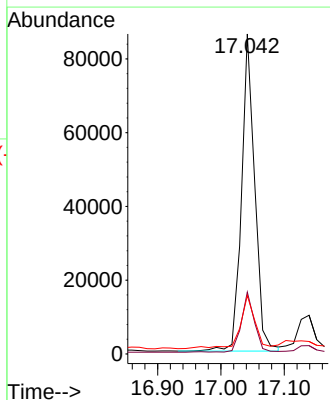
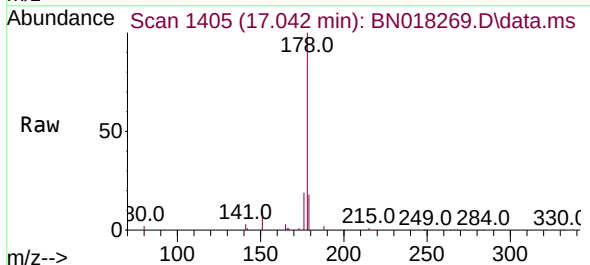
Instrument :
 BNA_N
 ClientSampleId :

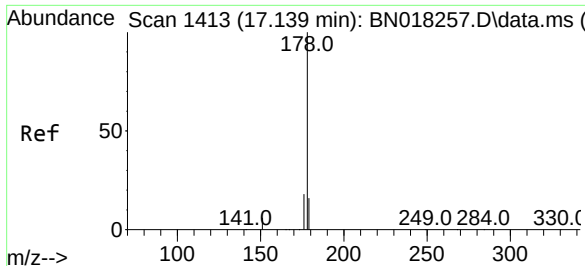
Tgt Ion:266 Resp: 104
 Ion Ratio Lower Upper
 266 100
 264 121.2 49.5 74.3#
 268 62.5 50.6 76.0



#25
 Phenanthrene
 Concen: 0.350 ng
 RT: 17.042 min Scan# 1405
 Delta R.T. -0.000 min
 Lab File: BN018269.D
 Acq: 29 Dec 2021 20:01

Tgt Ion:178 Resp: 124669
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.3 22.9
 179 18.8 12.3 18.5#

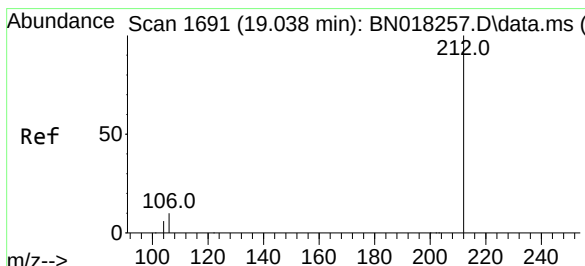
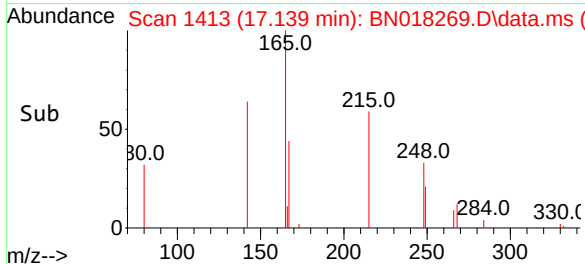
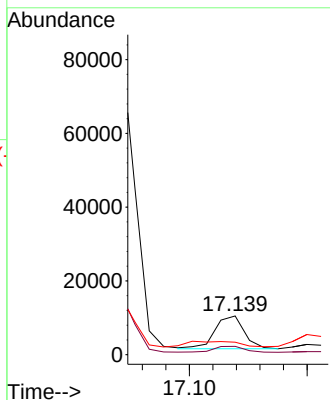
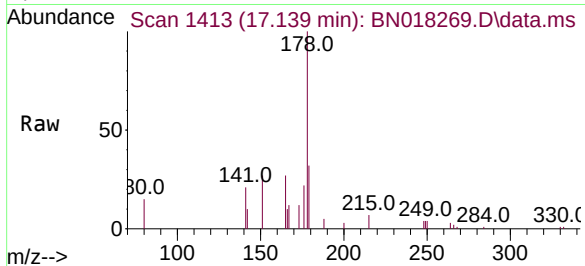




#26
 Anthracene
 Concen: 0.090 ng
 RT: 17.139 min Scan# 1413
 Delta R.T. -0.000 min
 Lab File: BN018269.D
 Acq: 29 Dec 2021 20:01

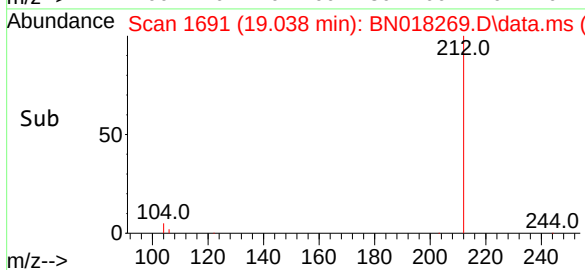
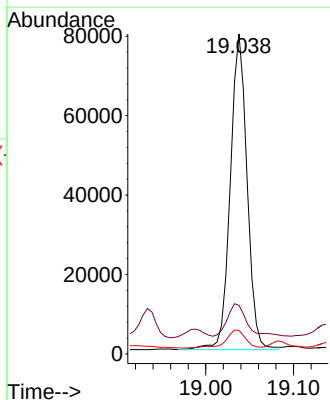
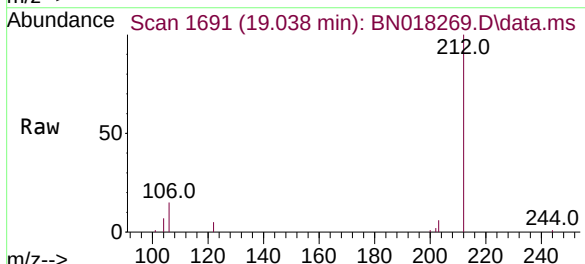
Instrument :
 BNA_N
 ClientSampleId :

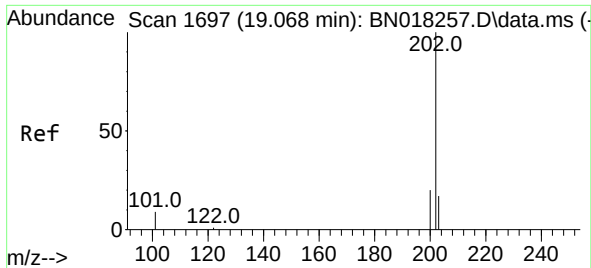
Tgt Ion:178 Resp: 15413
 Ion Ratio Lower Upper
 178 100
 176 19.5 14.8 22.2
 179 0.0 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.245 ng
 RT: 19.038 min Scan# 1691
 Delta R.T. -0.000 min
 Lab File: BN018269.D
 Acq: 29 Dec 2021 20:01

Tgt Ion:212 Resp: 105461
 Ion Ratio Lower Upper
 212 100
 106 12.0 8.4 12.6
 104 6.7 4.5 6.7

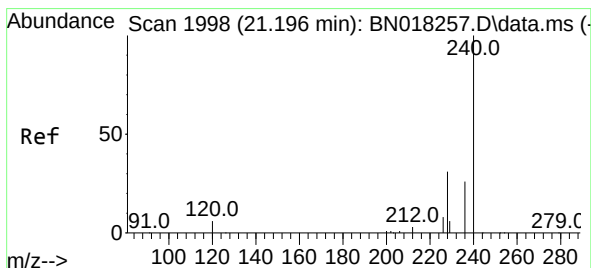
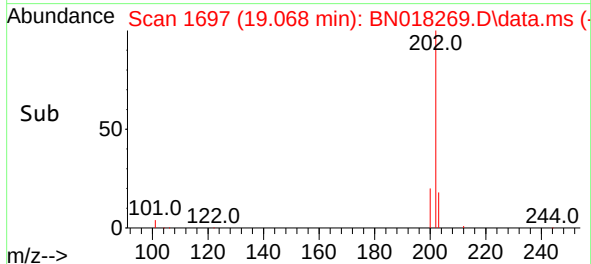
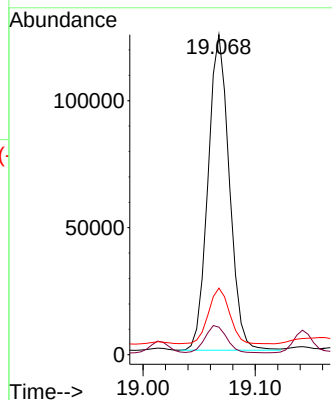
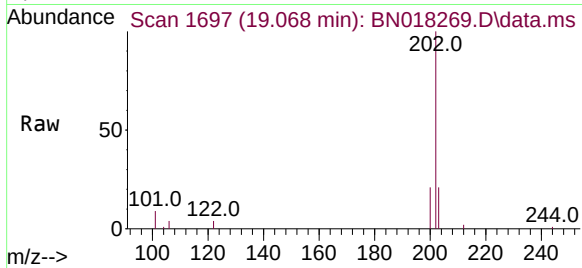




#28
Fluoranthene
Concen: 0.393 ng
RT: 19.068 min Scan# 1697
Delta R.T. -0.000 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

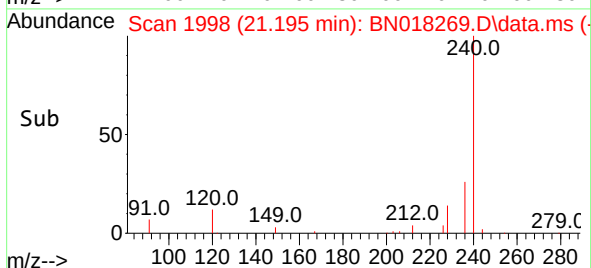
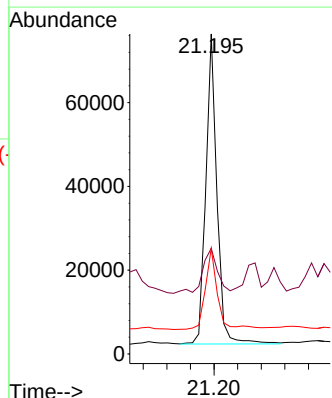
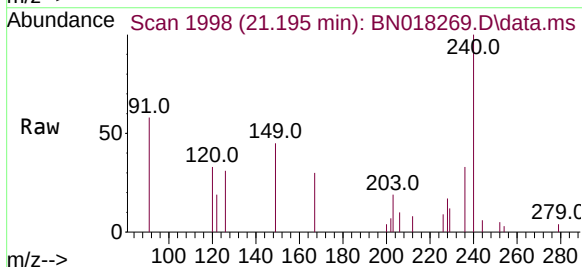
Instrument :
BNA_N
ClientSampleId :

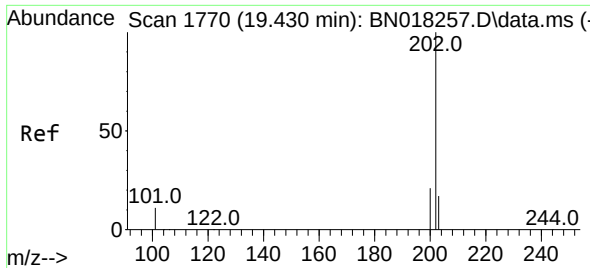
Tgt Ion:202 Resp: 164000
Ion Ratio Lower Upper
202 100
101 8.7 7.2 10.8
203 17.5 13.7 20.5



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.195 min Scan# 1998
Delta R.T. -0.001 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

Tgt Ion:240 Resp: 97051
Ion Ratio Lower Upper
240 100
120 33.0 6.0 9.0#
236 33.0 21.4 32.2#

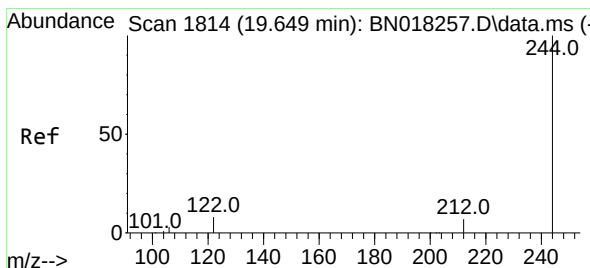
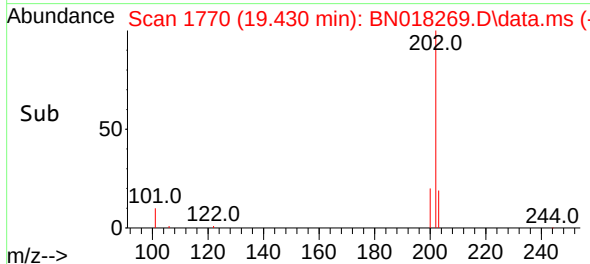
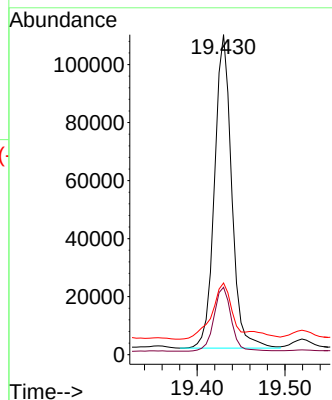
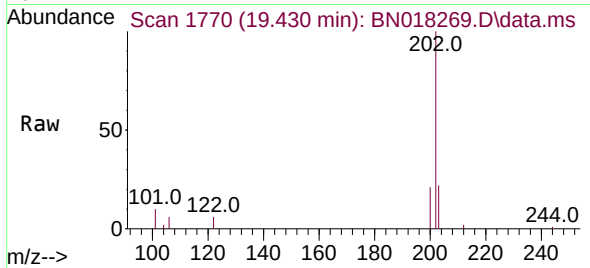




#30
 Pyrene
 Concen: 0.385 ng
 RT: 19.430 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN018269.D
 Acq: 29 Dec 2021 20:01

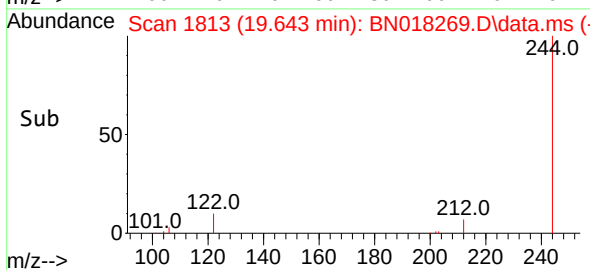
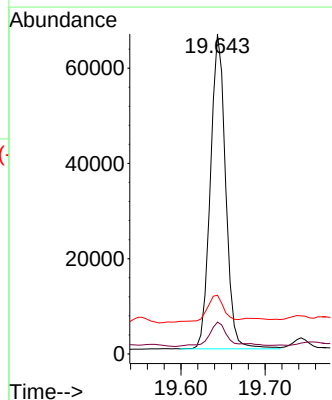
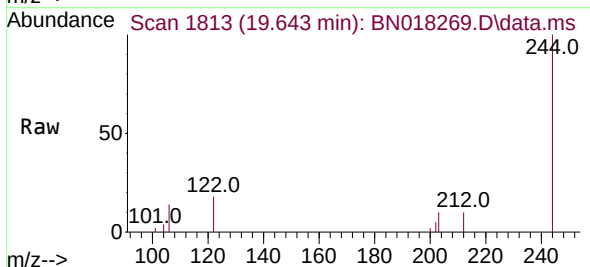
Instrument :
 BNA_N
 ClientSampleId :

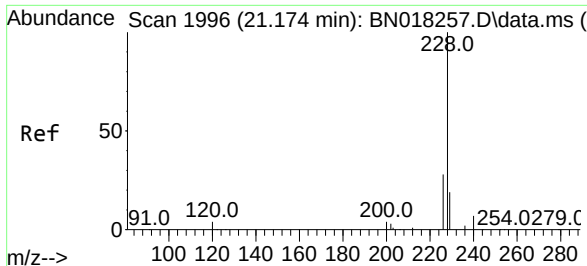
Tgt Ion:202 Resp: 146430
 Ion Ratio Lower Upper
 202 100
 200 20.7 16.6 25.0
 203 21.0 14.1 21.1



#31
 Terphenyl-d14
 Concen: 0.338 ng
 RT: 19.643 min Scan# 1813
 Delta R.T. -0.005 min
 Lab File: BN018269.D
 Acq: 29 Dec 2021 20:01

Tgt Ion:244 Resp: 83229
 Ion Ratio Lower Upper
 244 100
 212 10.0 6.2 9.2#
 122 18.3 7.9 11.9#

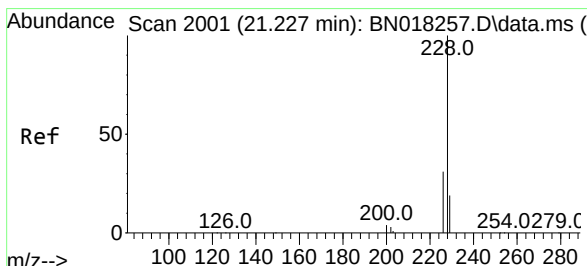
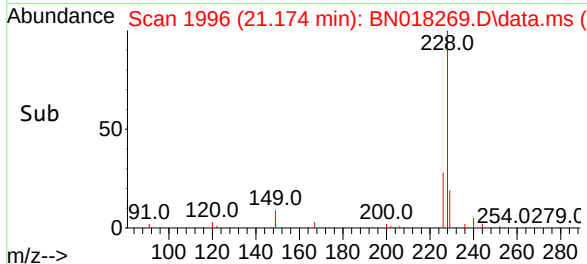
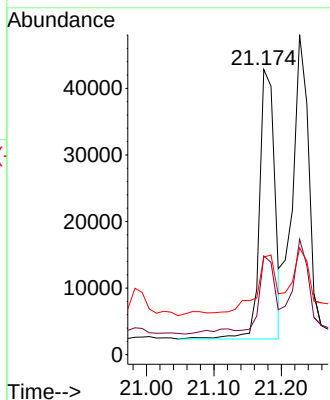
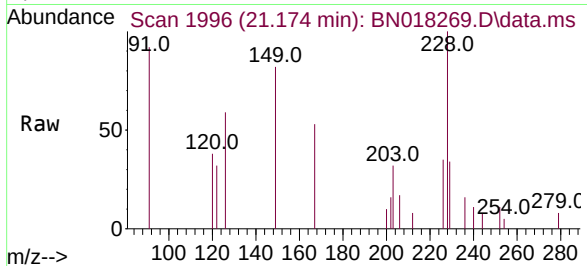




#32
Benzo(a)anthracene
Concen: 0.260 ng
RT: 21.174 min Scan# 1996
Delta R.T. -0.000 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

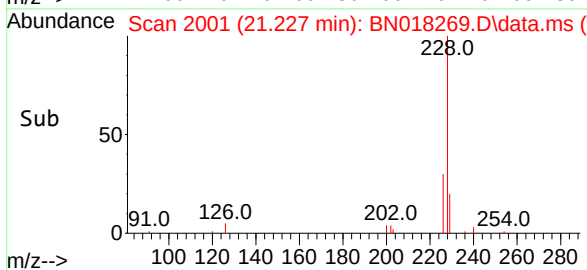
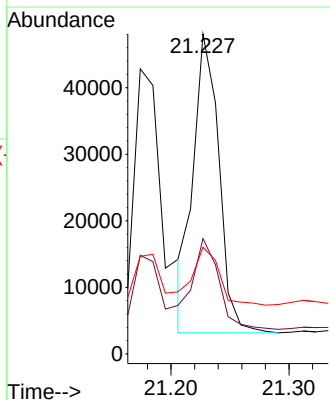
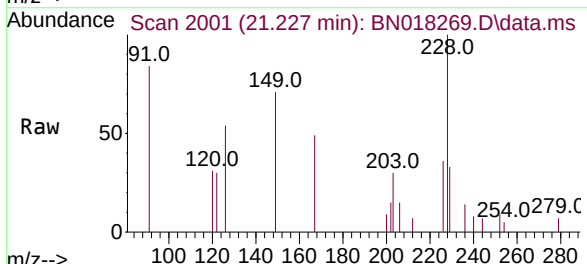
Instrument :
BNA_N
ClientSampleId :

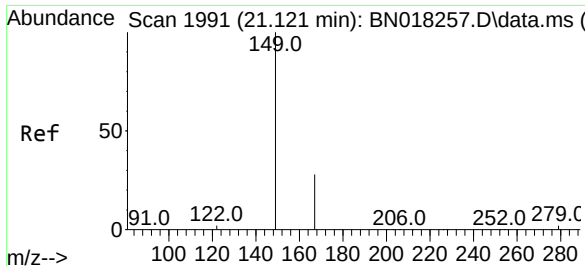
Tgt Ion:228 Resp: 63930
Ion Ratio Lower Upper
228 100
226 34.6 21.3 31.9#
229 34.3 15.9 23.9#



#33
Chrysene
Concen: 0.216 ng
RT: 21.227 min Scan# 2001
Delta R.T. -0.000 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

Tgt Ion:228 Resp: 67629
Ion Ratio Lower Upper
228 100
226 36.0 24.2 36.4
229 33.4 15.5 23.3#

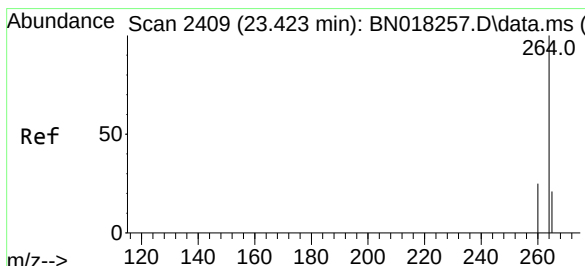
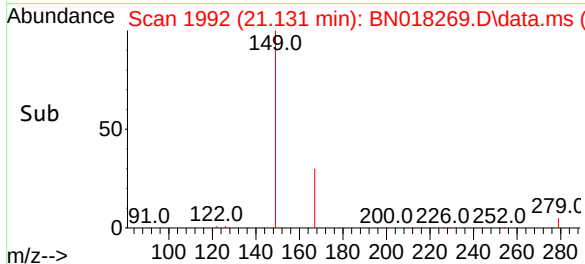
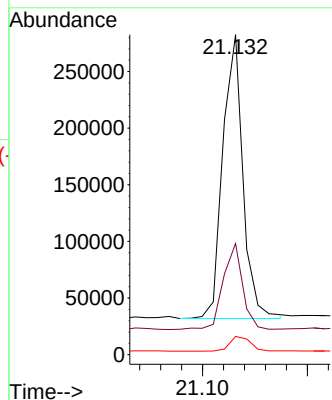
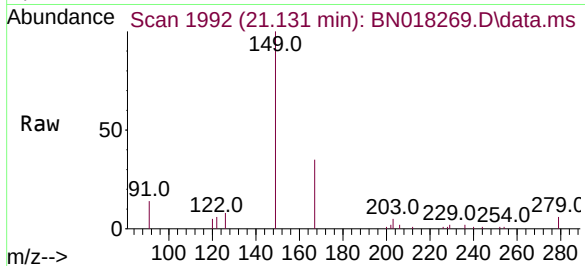




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 2.750 ng
 RT: 21.131 min Scan# 1991
 Delta R.T. 0.010 min
 Lab File: BN018269.D
 Acq: 29 Dec 2021 20:01

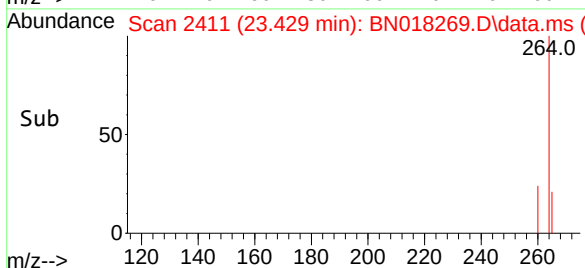
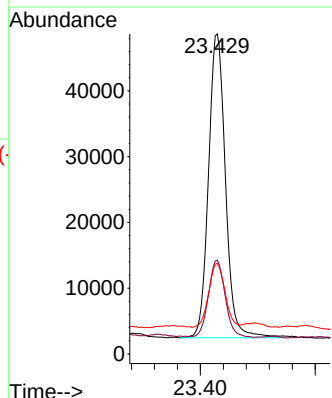
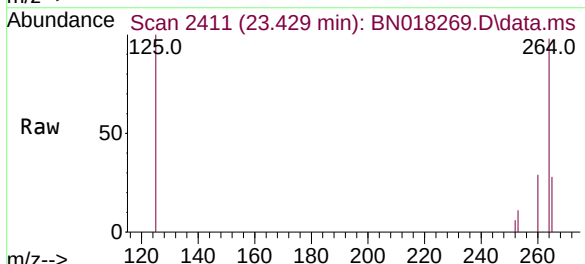
Instrument :
 BNA_N
 ClientSampleId :

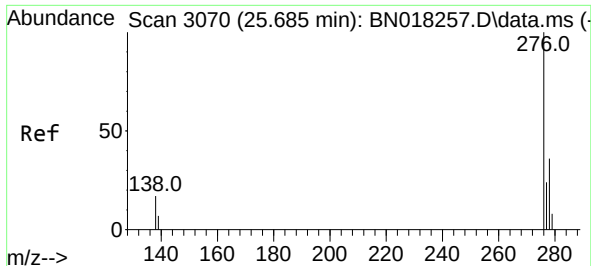
Tgt Ion:149 Resp: 333130
 Ion Ratio Lower Upper
 149 100
 167 29.4 23.7 35.5
 279 5.4 3.6 5.4



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.429 min Scan# 2411
 Delta R.T. 0.006 min
 Lab File: BN018269.D
 Acq: 29 Dec 2021 20:01

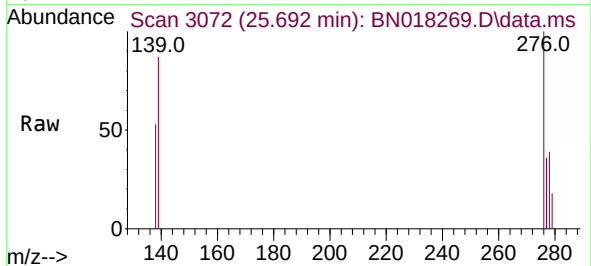
Tgt Ion:264 Resp: 94741
 Ion Ratio Lower Upper
 264 100
 260 29.2 20.2 30.4
 265 28.3 18.2 27.2#



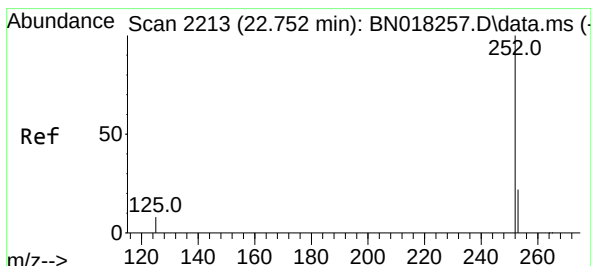
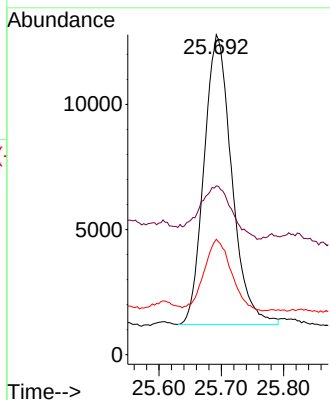
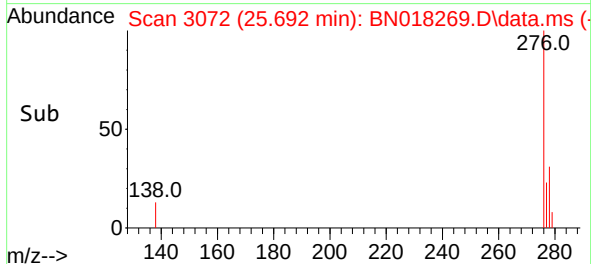


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.158 ng
RT: 25.692 min Scan# 3072
Delta R.T. 0.007 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

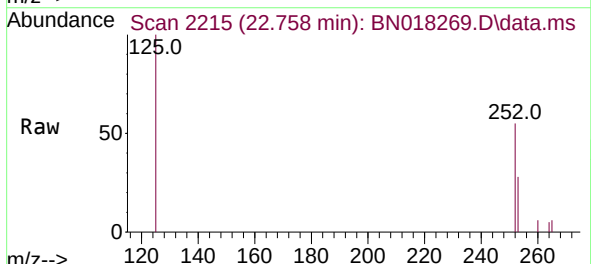
Instrument :
BNA_N
ClientSampleId :



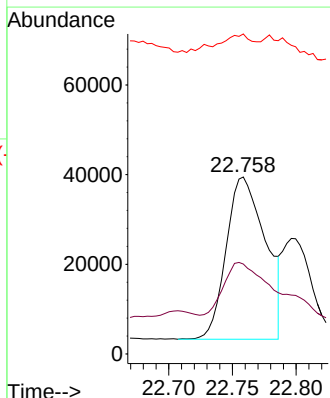
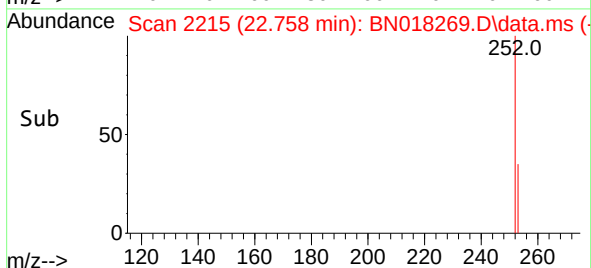
Tgt Ion:276 Resp: 35764
Ion Ratio Lower Upper
276 100
138 21.5 14.9 22.3
277 24.2 19.9 29.9

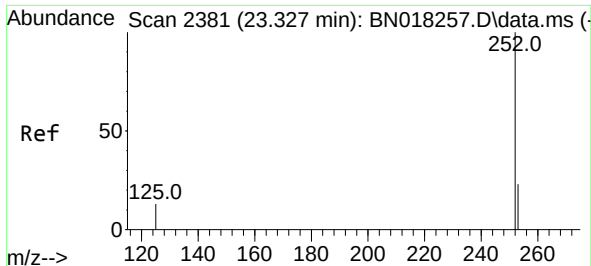


#37
Benzo(b)fluoranthene
Concen: 0.259 ng
RT: 22.758 min Scan# 2215
Delta R.T. 0.006 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01



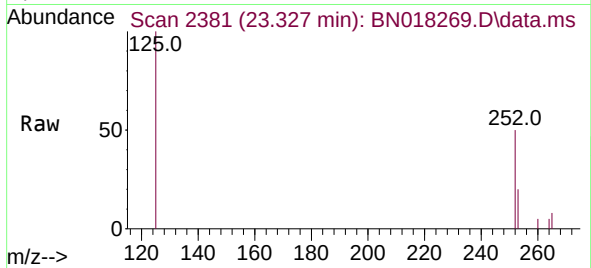
Tgt Ion:252 Resp: 77852
Ion Ratio Lower Upper
252 100
253 50.8 17.8 26.6#
125 180.9 6.0 9.0#



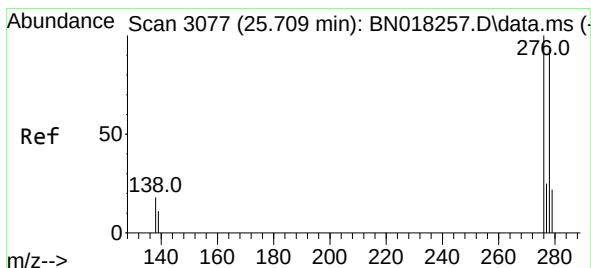
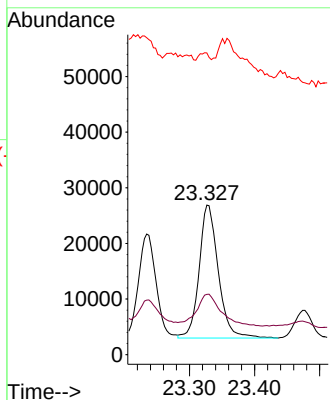


#39
Benzo(a)pyrene
Concen: 0.186 ng
RT: 23.327 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

Instrument :
BNA_N
ClientSampleId :

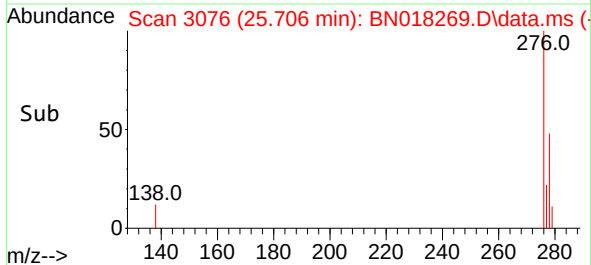
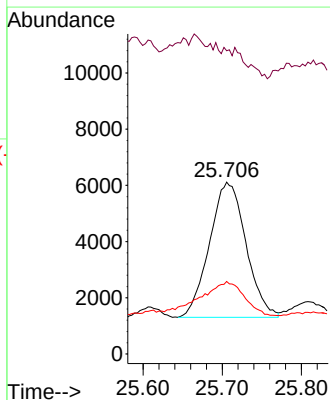
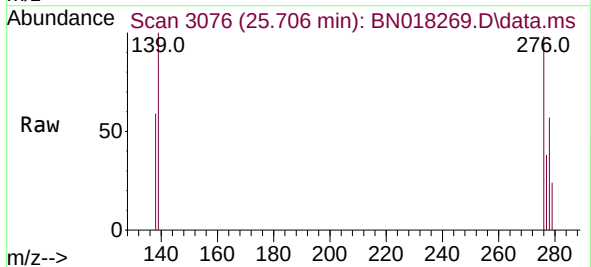


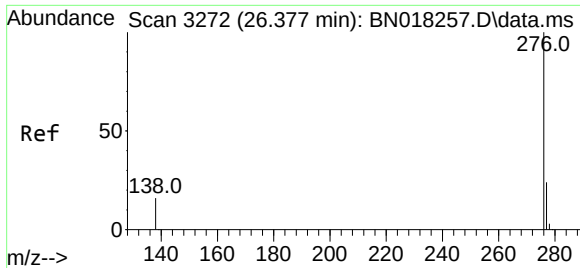
Tgt Ion:252 Resp: 48839
Ion Ratio Lower Upper
252 100
253 40.3 17.8 26.6#
125 201.7 7.0 10.4#



#40
Dibenzo(a,h)anthracene
Concen: 0.095 ng
RT: 25.706 min Scan# 3076
Delta R.T. -0.004 min
Lab File: BN018269.D
Acq: 29 Dec 2021 20:01

Tgt Ion:278 Resp: 15389
Ion Ratio Lower Upper
278 100
139 176.5 10.8 16.2#
279 42.1 19.0 28.4#





#41

Benzo(g,h,i)perylene

Concen: 0.168 ng

RT: 26.383 min Scan# 31

Delta R.T. 0.007 min

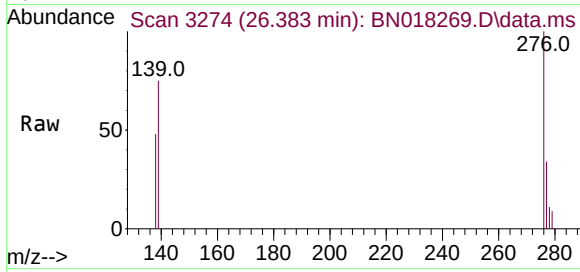
Lab File: BN018269.D

Acq: 29 Dec 2021 20:01

Instrument :

BNA_N

ClientSampleId :



Tgt Ion:276 Resp: 37969

Ion Ratio Lower Upper

276 100

277 34.4 19.0 28.6#

138 47.5 12.6 19.0#

