

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060925\
 Data File : BN037206.D
 Acq On : 10 Jun 2025 00:24
 Operator : RC/JU
 Sample : Q2234-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jun 10 04:05:00 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN060325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 04 01:52:03 2025
 Response via : Initial Calibration

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

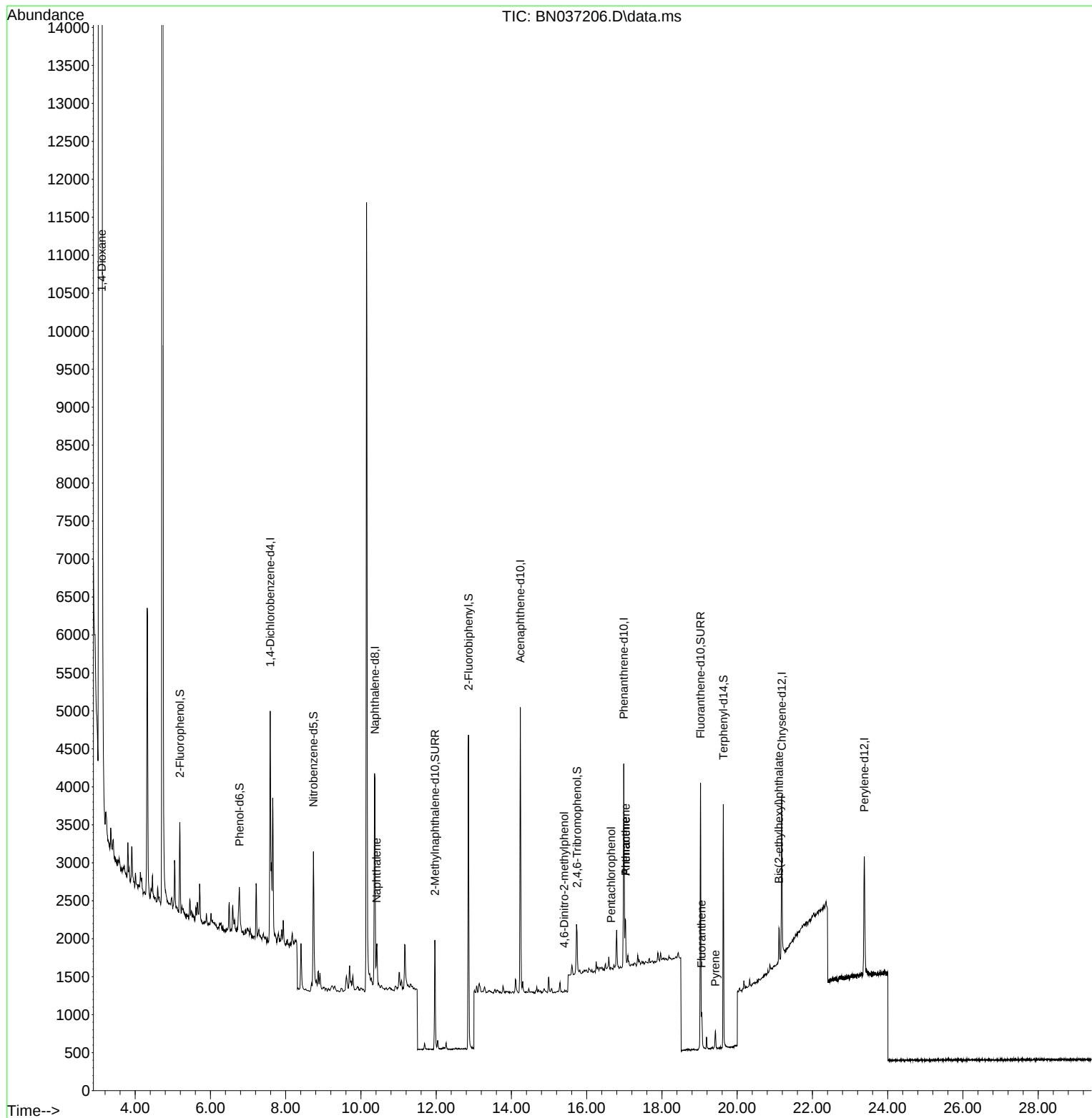
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	1414	0.400	ng	0.00
7) Naphthalene-d8	10.372	136	3747	0.400	ng	0.00
13) Acenaphthene-d10	14.235	164	2035	0.400	ng	0.00
19) Phenanthrene-d10	16.984	188	3650	0.400	ng	0.00
29) Chrysene-d12	21.189	240	2308	0.400	ng	0.00
35) Perylene-d12	23.377	264	2201	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.184	112	726	0.208	ng	0.00
5) Phenol-d6	6.773	99	507	0.120	ng	0.00
8) Nitrobenzene-d5	8.739	82	1600	0.405	ng	0.00
11) 2-Methylnaphthalene-d10	11.966	152	2023	0.388	ng	0.00
14) 2,4,6-Tribromophenol	15.743	330	390	0.476	ng	0.00
15) 2-Fluorobiphenyl	12.858	172	3663	0.422	ng	0.00
27) Fluoranthene-d10	19.026	212	3879	0.418	ng	0.00
31) Terphenyl-d14	19.630	244	2970	0.547	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.112	88	4959	2.631	ng	92
9) Naphthalene	10.415	128	389	0.036	ng	# 65
20) 4,6-Dinitro-2-methylph...	15.400	198	8	0.282	ng	# 15
24) Pentachlorophenol	16.649	266	20	0.228	ng	# 59
25) Phenanthrene	17.033	178	719	0.061	ng	96
26) Anthracene	17.033	178	719	0.067	ng	100
28) Fluoranthene	19.054	202	305	0.023	ng	# 71
30) Pyrene	19.421	202	241	0.021	ng	# 90
34) Bis(2-ethylhexyl)phtha...	21.108	149	484	0.092	ng	# 96

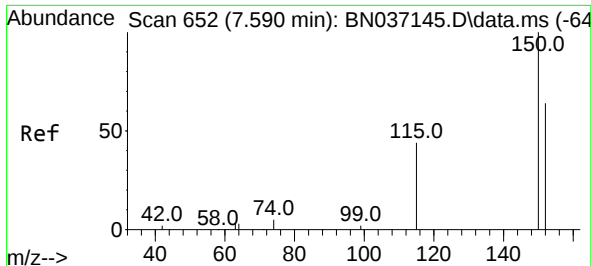
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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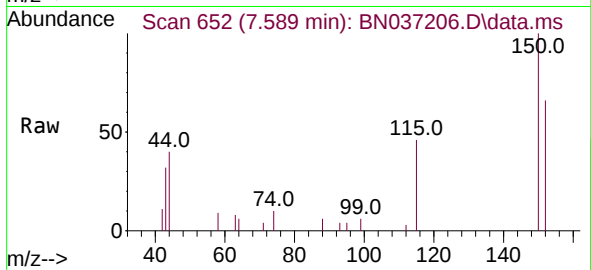
Quant Time: Jun 10 04:05:00 2025
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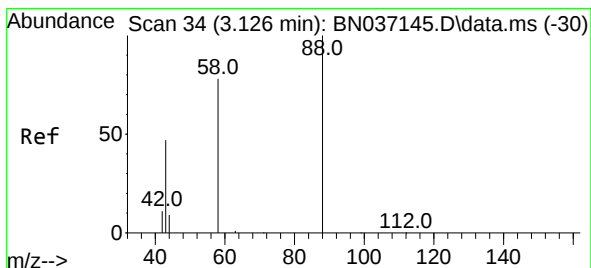
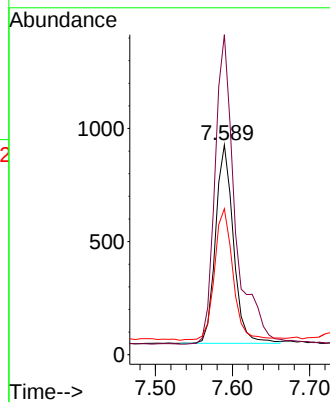
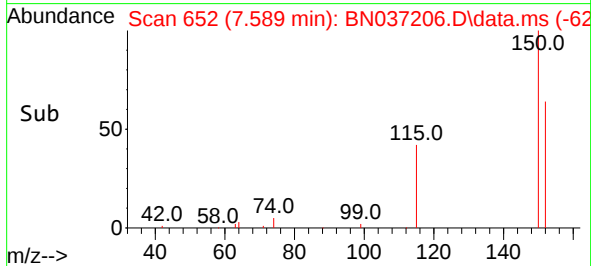


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.589 min Scan# 61
 Delta R.T. -0.001 min
 Lab File: BN037206.D
 Acq: 10 Jun 2025 00:24

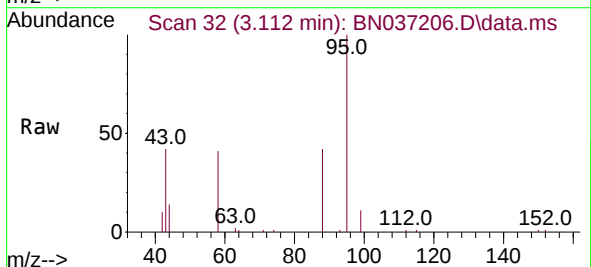
Instrument :
 BNA_N
 ClientSampleId :



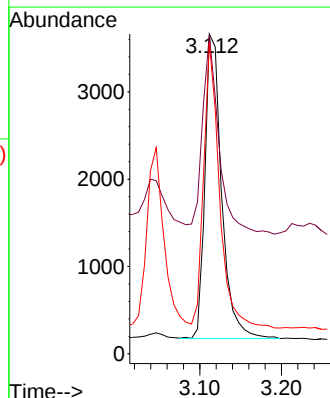
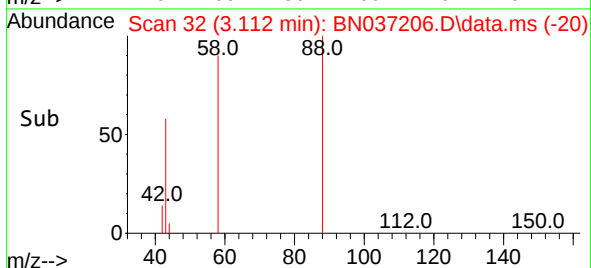
Tgt Ion:152 Resp: 1414
 Ion Ratio Lower Upper
 152 100
 150 152.6 123.2 184.8
 115 69.6 56.6 85.0

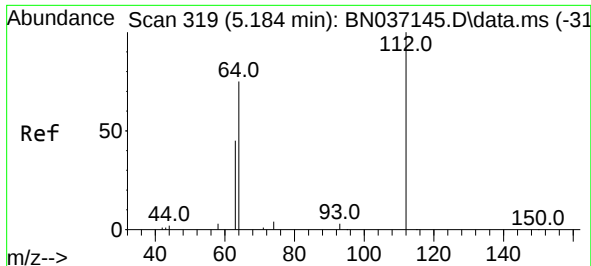


#2
 1,4-Dioxane
 Concen: 2.631 ng
 RT: 3.112 min Scan# 32
 Delta R.T. -0.015 min
 Lab File: BN037206.D
 Acq: 10 Jun 2025 00:24



Tgt Ion: 88 Resp: 4959
 Ion Ratio Lower Upper
 88 100
 43 64.9 43.5 65.3
 58 88.1 67.7 101.5

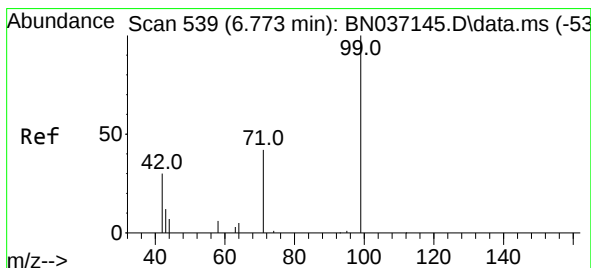
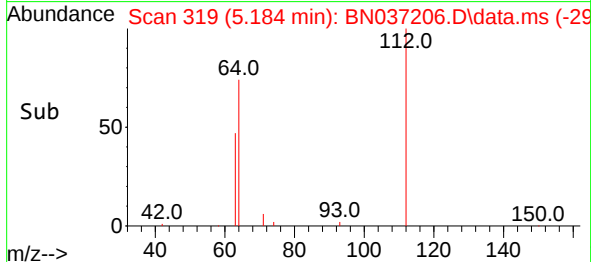
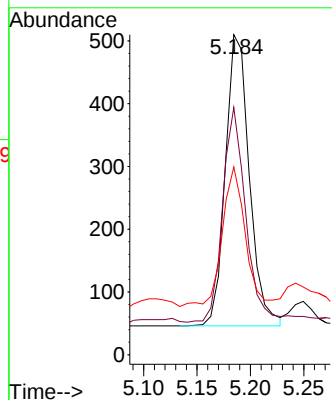
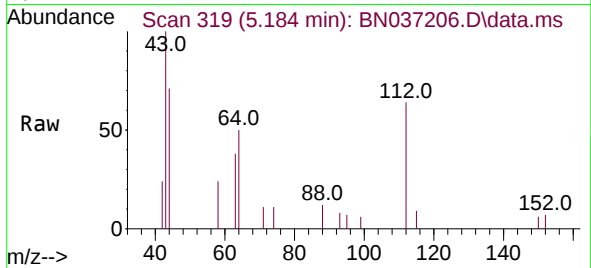




#4
2-Fluorophenol
Concen: 0.208 ng
RT: 5.184 min Scan# 319
Delta R.T. -0.000 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

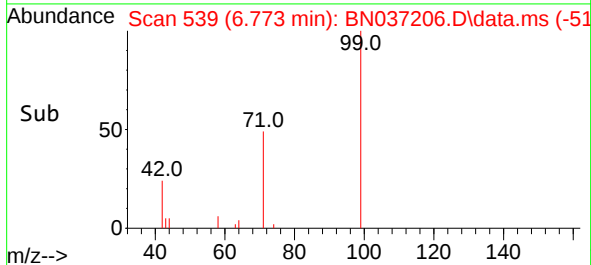
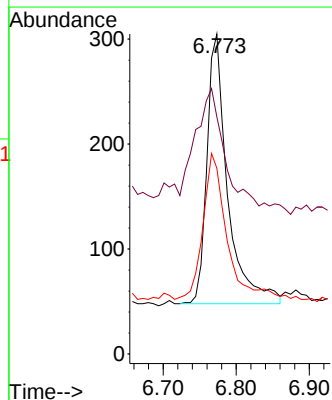
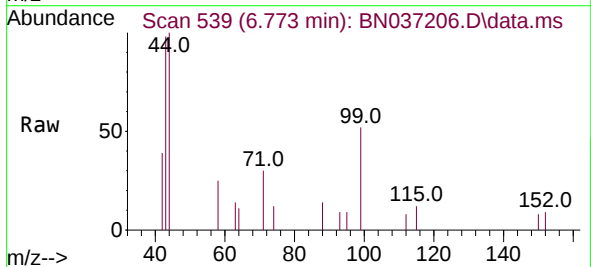
Instrument :
BNA_N
ClientSampleId :

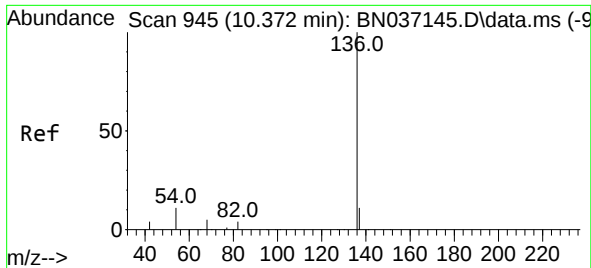
Tgt Ion:112 Resp: 726
Ion Ratio Lower Upper
112 100
64 73.7 56.3 84.5
63 45.6 36.2 54.4



#5
Phenol-d6
Concen: 0.120 ng
RT: 6.773 min Scan# 539
Delta R.T. -0.000 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

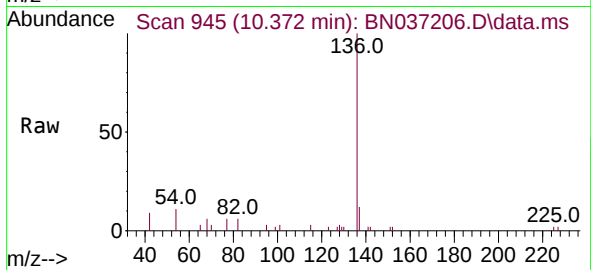
Tgt Ion: 99 Resp: 507
Ion Ratio Lower Upper
99 100
42 83.4 31.3 46.9#
71 62.5 38.2 57.2#



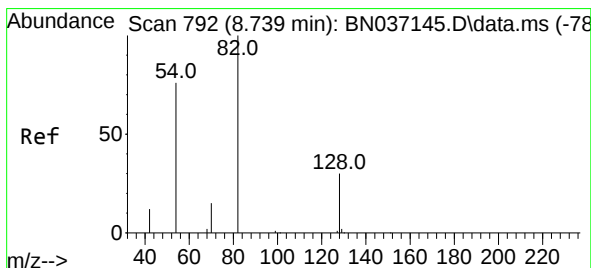
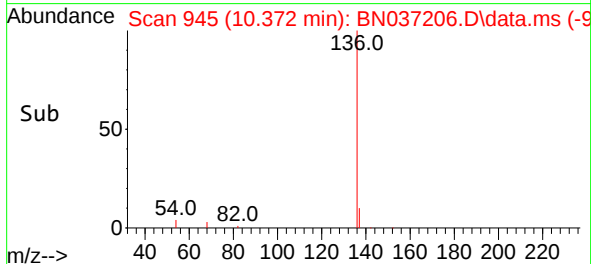
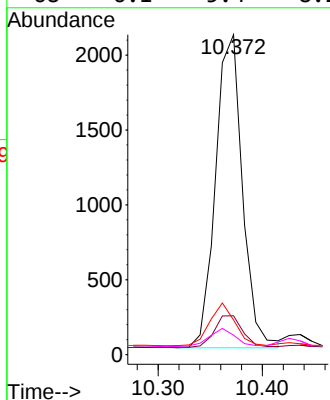


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.372 min Scan# 945
Delta R.T. -0.000 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

Instrument :
BNA_N
ClientSampleId :

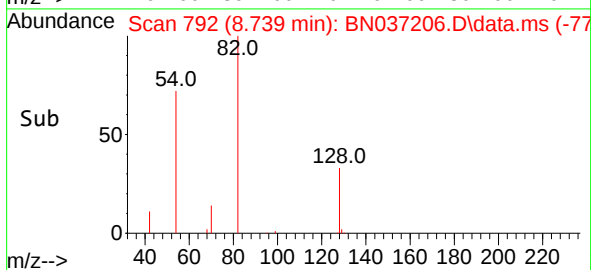
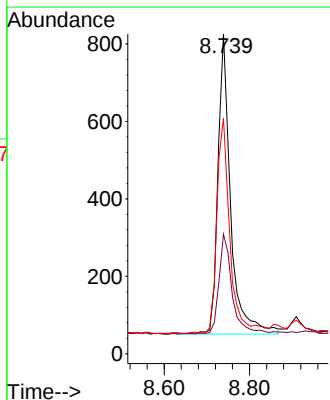
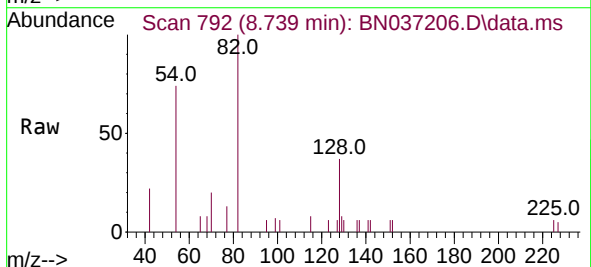


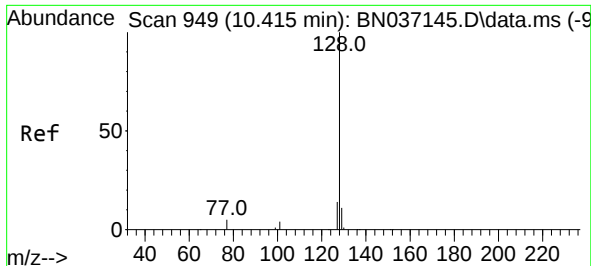
Tgt Ion:	136	Resp:	3747
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.7	14.5
54	10.8	9.7	14.5
68	6.1	5.4	8.2



#8
Nitrobenzene-d5
Concen: 0.405 ng
RT: 8.739 min Scan# 792
Delta R.T. -0.000 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

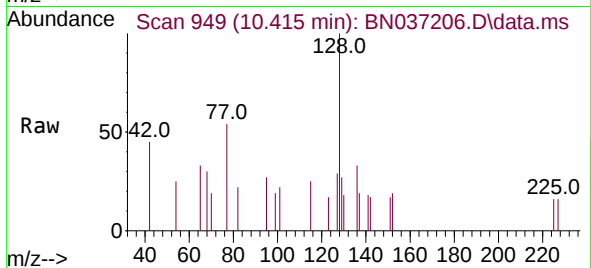
Tgt Ion:	82	Resp:	1600
Ion	Ratio	Lower	Upper
82	100		
128	37.4	26.9	40.3
54	73.7	61.4	92.2



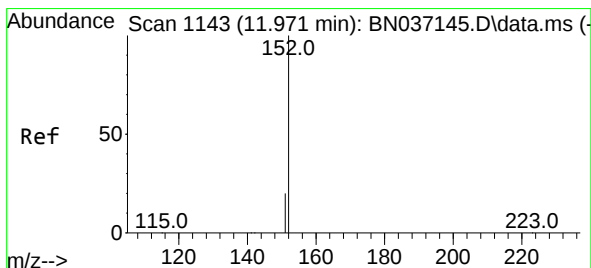
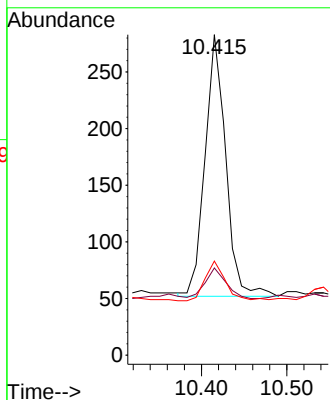
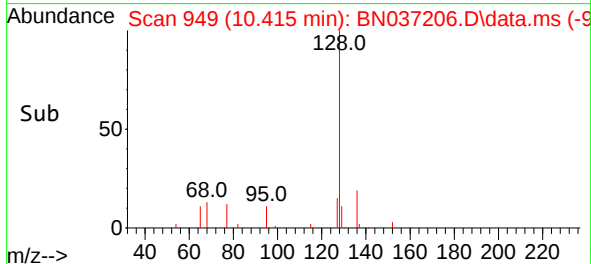


#9
Naphthalene
Concen: 0.036 ng
RT: 10.415 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

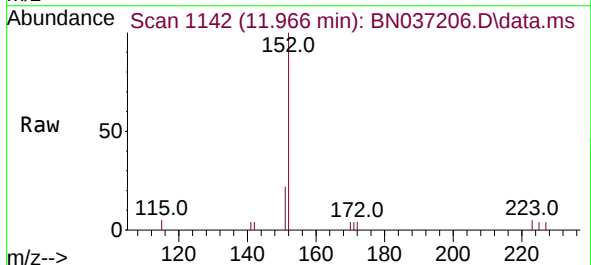
Instrument :
BNA_N
ClientSampleId :



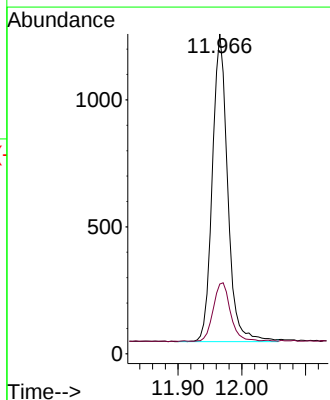
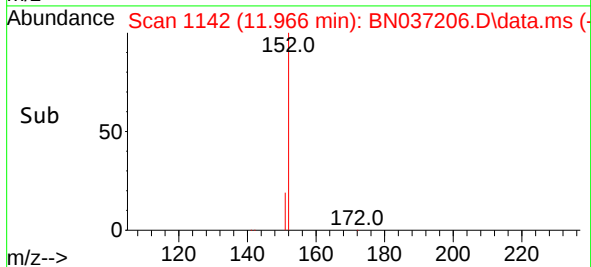
Tgt Ion:128 Resp: 389
Ion Ratio Lower Upper
128 100
129 27.2 9.8 14.8#
127 29.3 12.3 18.5#

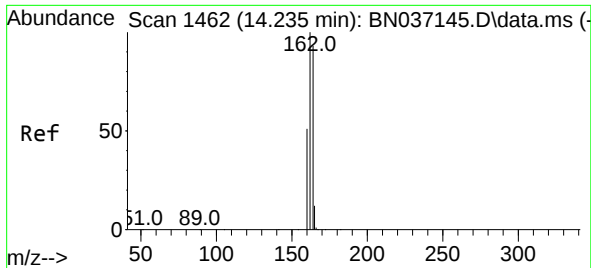


#11
2-Methylnaphthalene-d10
Concen: 0.388 ng
RT: 11.966 min Scan# 1142
Delta R.T. -0.005 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24



Tgt Ion:152 Resp: 2023
Ion Ratio Lower Upper
152 100
151 21.4 17.1 25.7

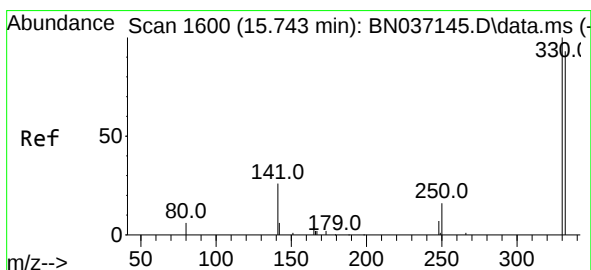
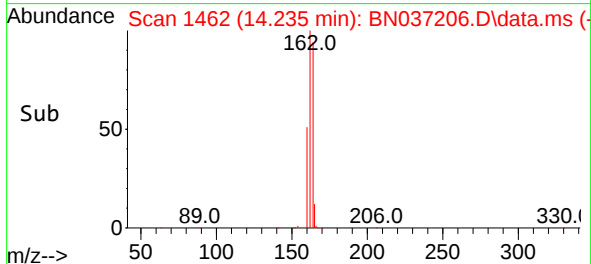
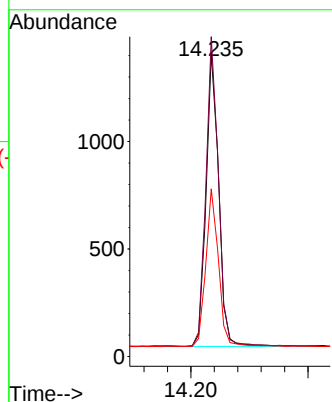
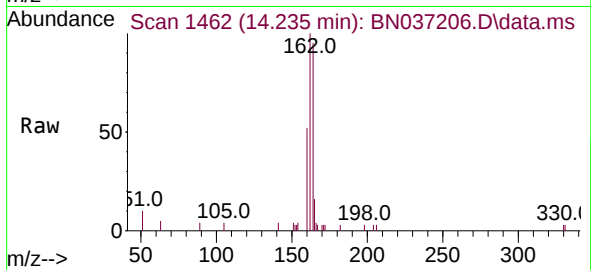




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.235 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

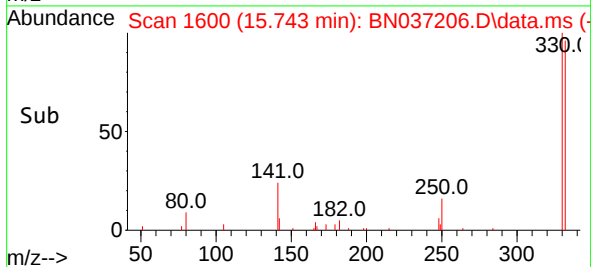
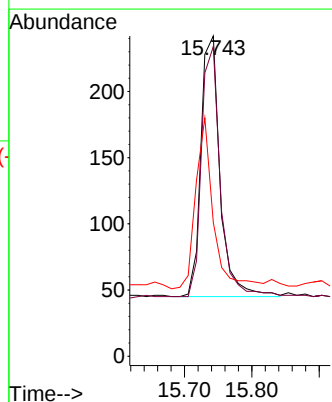
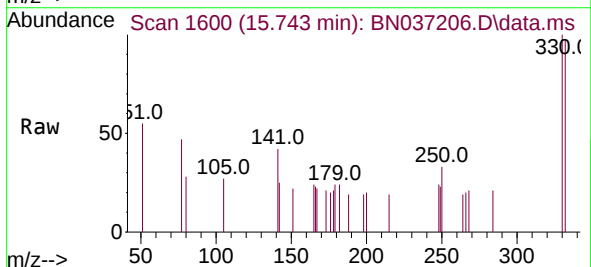
Instrument :
BNA_N
ClientSampleId :

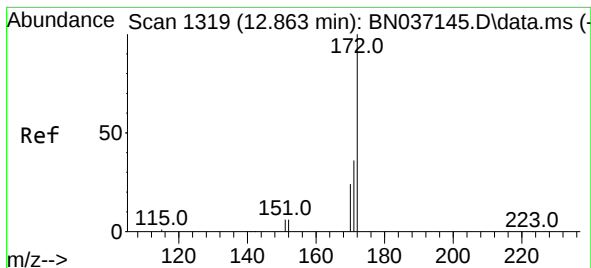
Tgt Ion:164 Resp: 2035
Ion Ratio Lower Upper
164 100
162 105.5 85.5 128.3
160 55.3 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.476 ng
RT: 15.743 min Scan# 1600
Delta R.T. -0.000 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

Tgt Ion:330 Resp: 390
Ion Ratio Lower Upper
330 100
332 94.4 77.1 115.7
141 60.5 46.4 69.6





#15

2-Fluorobiphenyl

Concen: 0.422 ng

RT: 12.858 min Scan# 1319

Delta R.T. -0.005 min

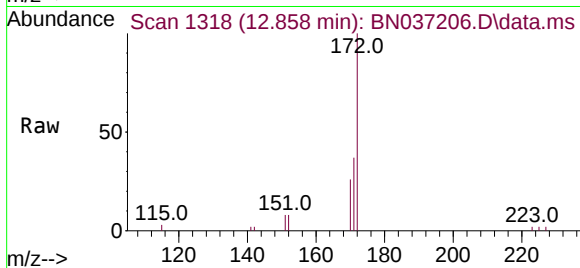
Lab File: BN037206.D

Acq: 10 Jun 2025 00:24

Instrument :

BNA_N

ClientSampleId :



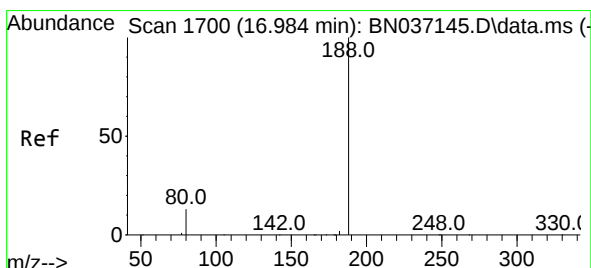
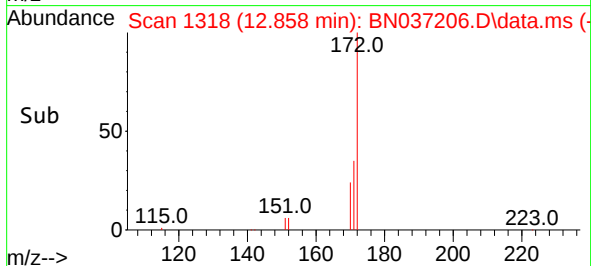
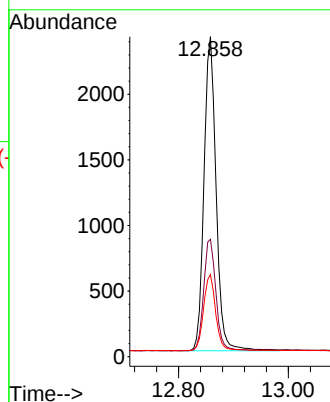
Tgt Ion:172 Resp: 3663

Ion Ratio Lower Upper

172 100

171 36.7 29.6 44.4

170 25.6 20.3 30.5



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.984 min Scan# 1700

Delta R.T. -0.000 min

Lab File: BN037206.D

Acq: 10 Jun 2025 00:24

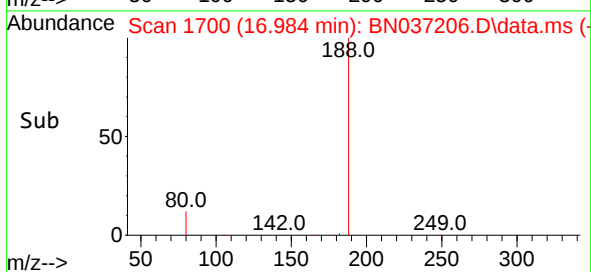
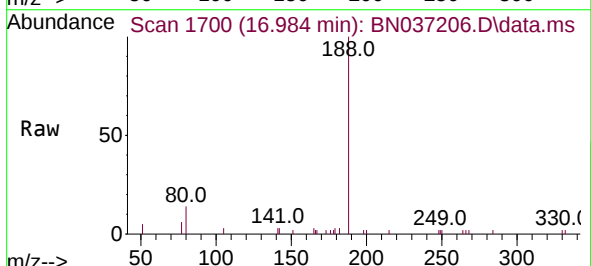
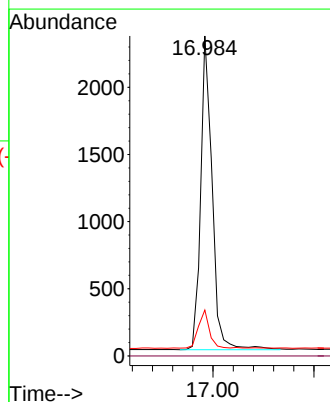
Tgt Ion:188 Resp: 3650

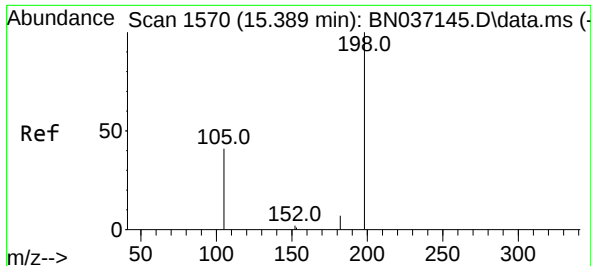
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.4 11.3 16.9

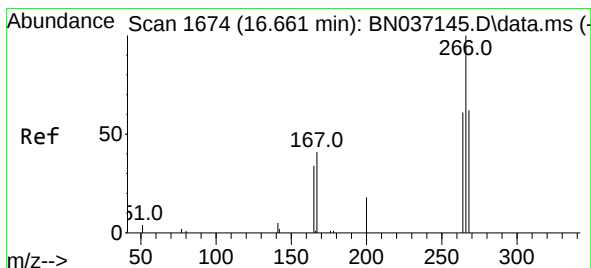
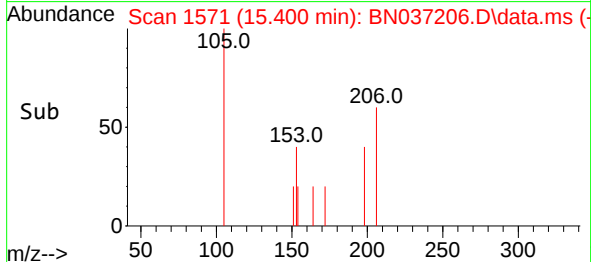
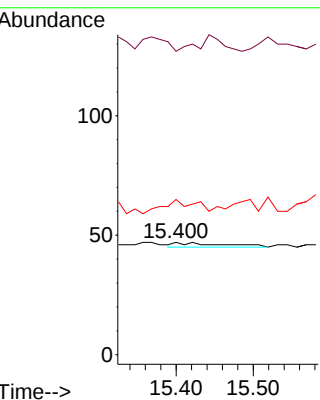
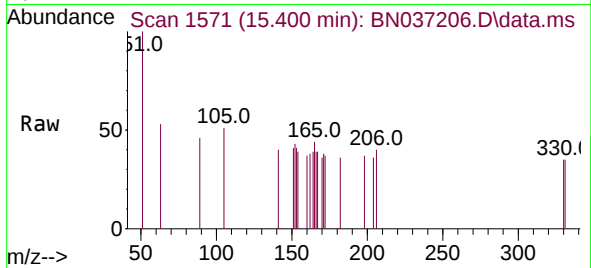




#20
4,6-Dinitro-2-methylphenol
Concen: 0.282 ng
RT: 15.400 min Scan# 1570
Delta R.T. 0.011 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

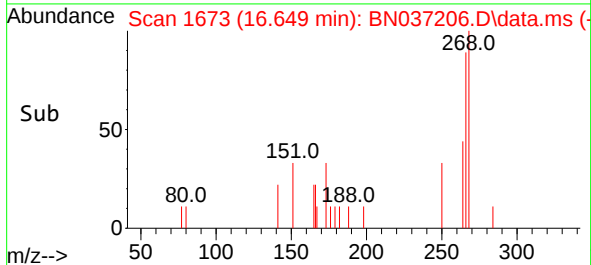
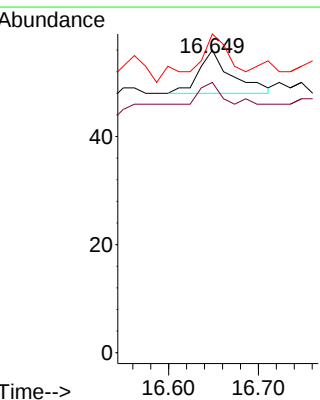
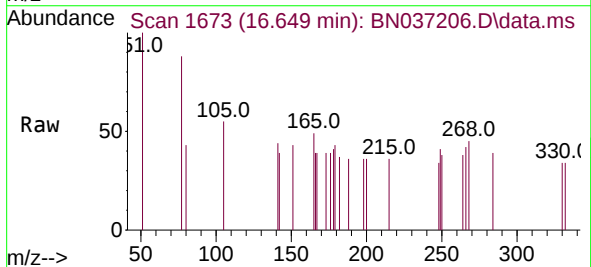
Instrument :
BNA_N
ClientSampleId :

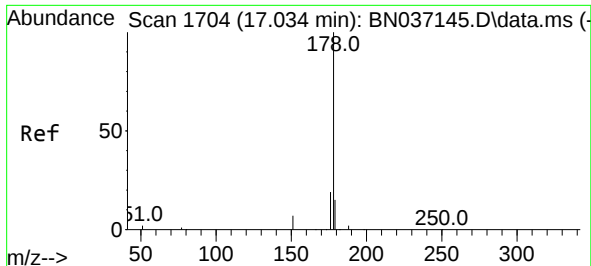
Tgt Ion:198 Resp: 8
Ion Ratio Lower Upper
198 100
51 270.2 125.2 187.8#
105 138.3 57.1 85.7#



#24
Pentachlorophenol
Concen: 0.228 ng
RT: 16.649 min Scan# 1673
Delta R.T. -0.012 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

Tgt Ion:266 Resp: 20
Ion Ratio Lower Upper
266 100
264 65.0 49.3 73.9
268 120.0 49.0 73.4#

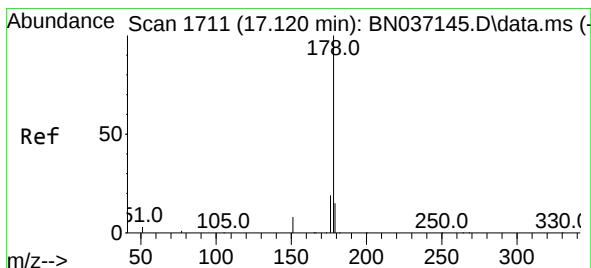
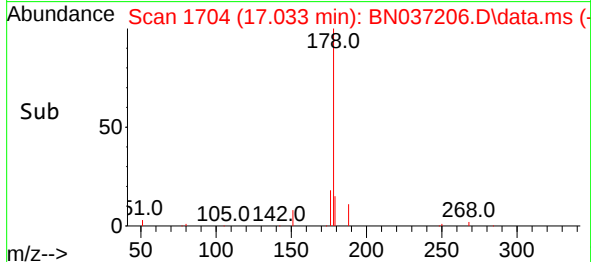
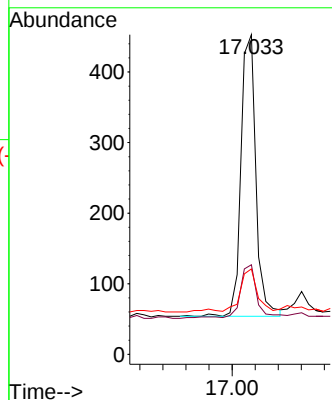
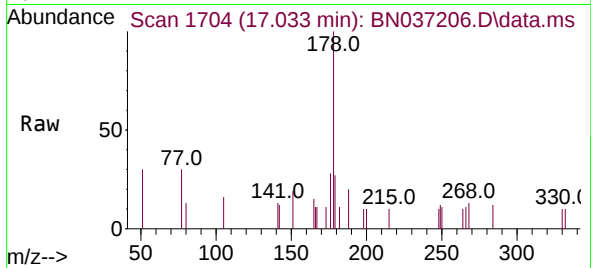




#25
Phenanthrene
Concen: 0.061 ng
RT: 17.033 min Scan# 1704
Delta R.T. -0.000 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

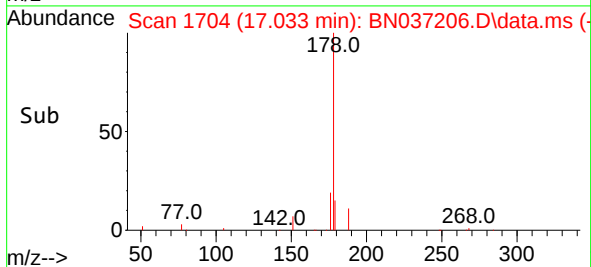
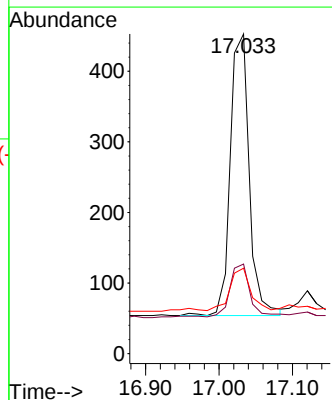
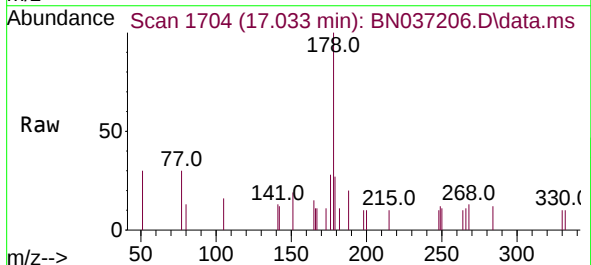
Instrument :
BNA_N
ClientSampleId :

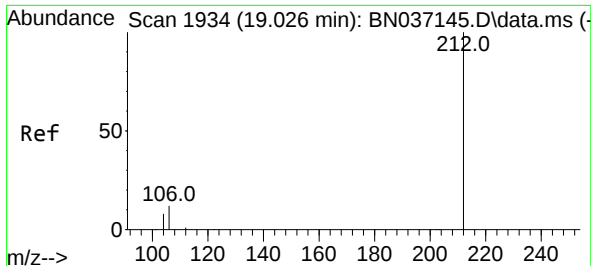
Tgt Ion:178 Resp: 719
Ion Ratio Lower Upper
178 100
176 22.1 15.7 23.5
179 16.6 12.3 18.5



#26
Anthracene
Concen: 0.067 ng
RT: 17.033 min Scan# 1704
Delta R.T. -0.087 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

Tgt Ion:178 Resp: 719
Ion Ratio Lower Upper
178 100
176 19.2 15.2 22.8
179 16.1 12.9 19.3

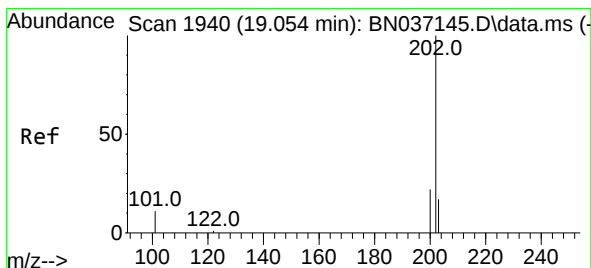
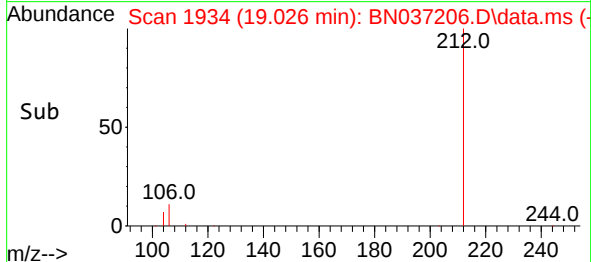
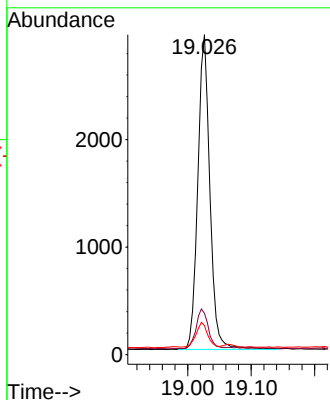
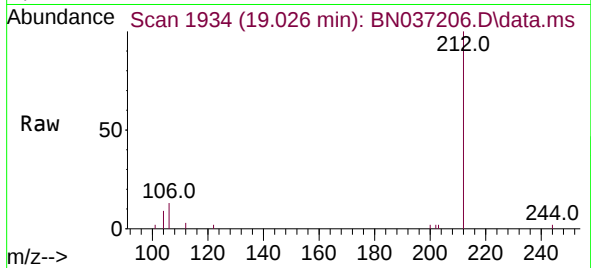




#27
Fluoranthene-d10
Concen: 0.418 ng
RT: 19.026 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

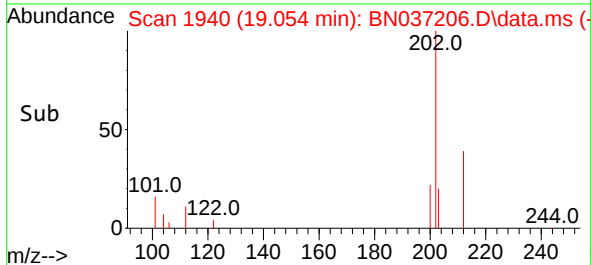
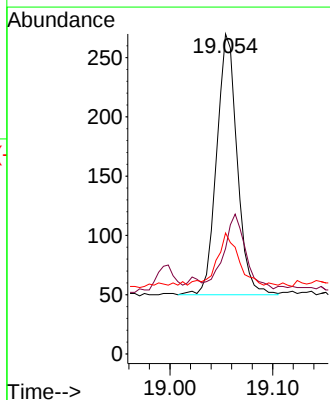
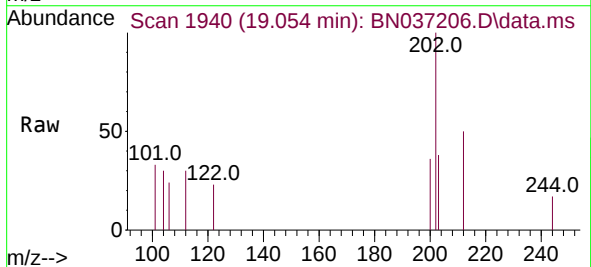
Instrument :
BNA_N
ClientSampleId :

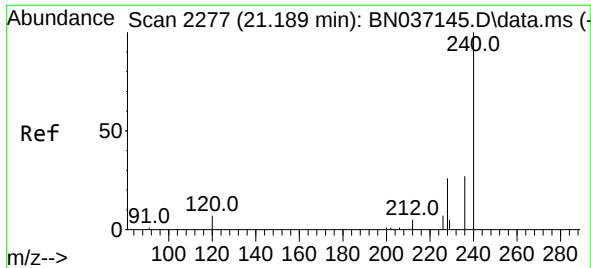
Tgt Ion:212 Resp: 3879
Ion Ratio Lower Upper
212 100
106 13.1 10.6 15.8
104 7.7 6.6 9.8



#28
Fluoranthene
Concen: 0.023 ng
RT: 19.054 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

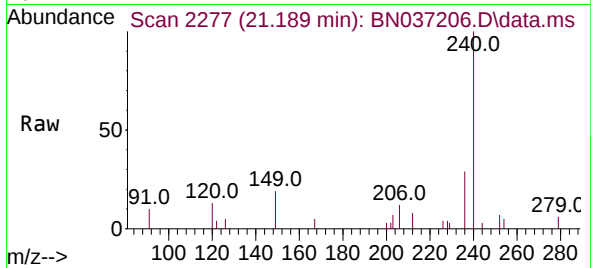
Tgt Ion:202 Resp: 305
Ion Ratio Lower Upper
202 100
101 31.8 8.7 13.1#
203 22.0 13.5 20.3#



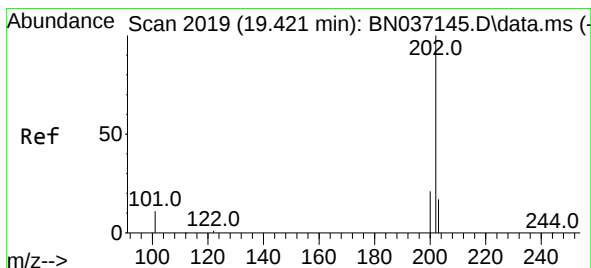
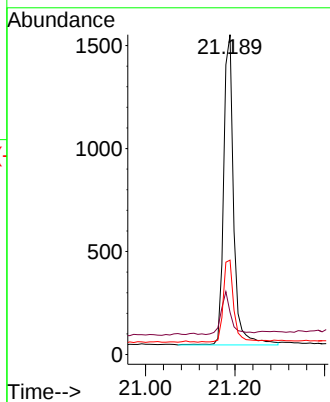
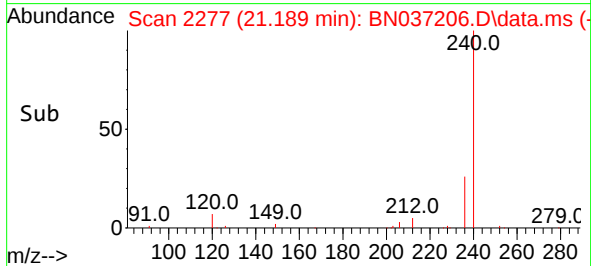


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.189 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24

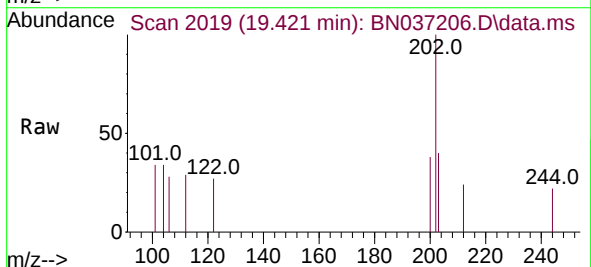
Instrument :
BNA_N
ClientSampleId :



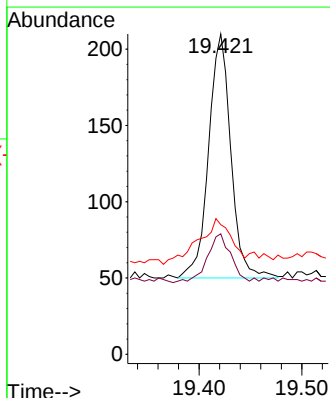
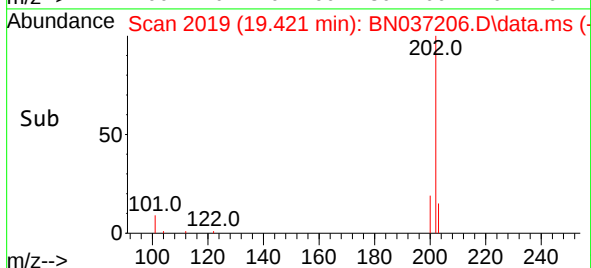
Tgt Ion:240 Resp: 2308
Ion Ratio Lower Upper
240 100
120 13.2 9.0 13.4
236 29.5 23.0 34.4

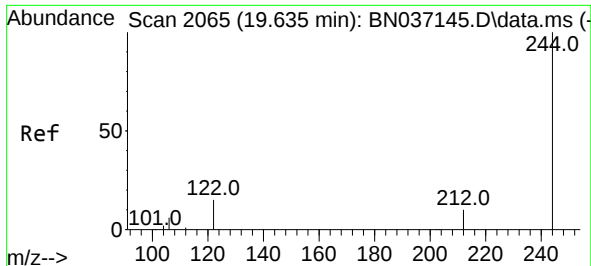


#30
Pyrene
Concen: 0.021 ng
RT: 19.421 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BN037206.D
Acq: 10 Jun 2025 00:24



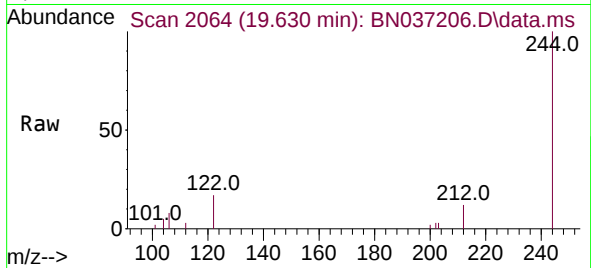
Tgt Ion:202 Resp: 241
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.6
203 27.4 14.2 21.4#



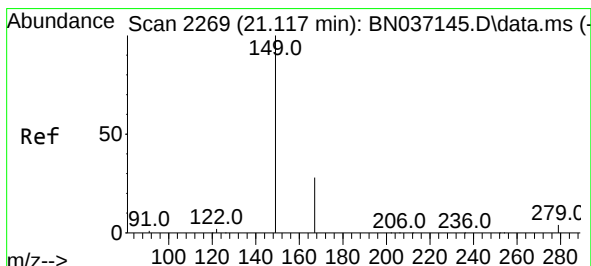
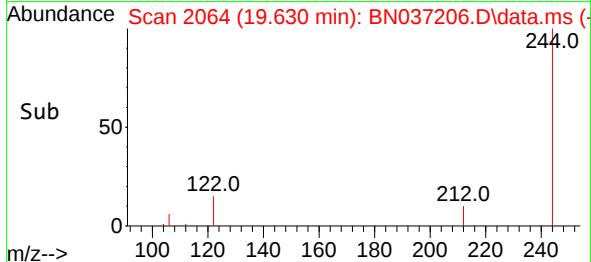
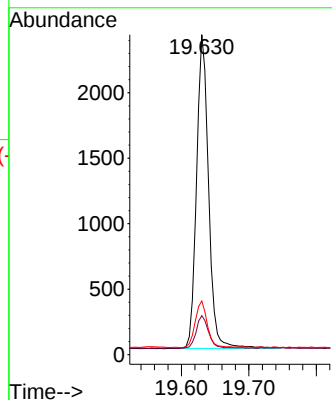


#31
 Terphenyl-d14
 Concen: 0.547 ng
 RT: 19.630 min Scan# 2065
 Delta R.T. -0.005 min
 Lab File: BN037206.D
 Acq: 10 Jun 2025 00:24

Instrument :
 BNA_N
 ClientSampleId :

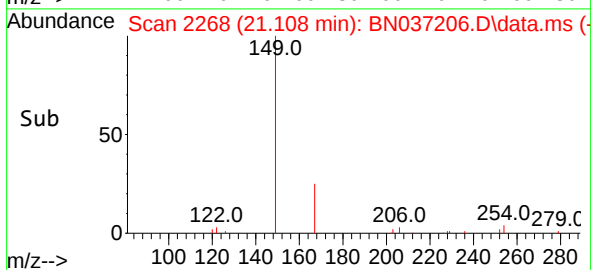
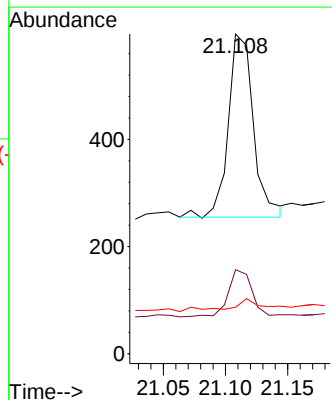
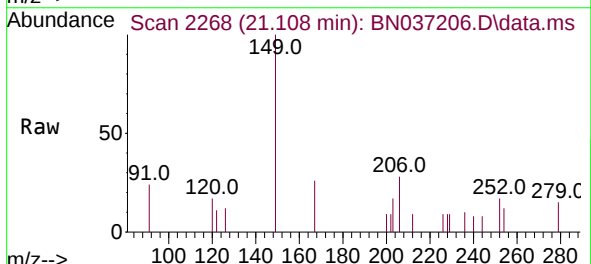


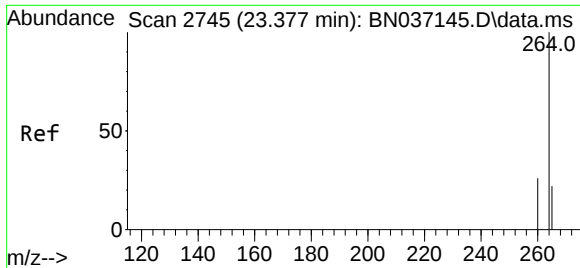
Tgt Ion:244 Resp: 2970
 Ion Ratio Lower Upper
 244 100
 212 12.2 10.0 15.0
 122 16.8 13.2 19.8



#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.092 ng
 RT: 21.108 min Scan# 2268
 Delta R.T. -0.009 min
 Lab File: BN037206.D
 Acq: 10 Jun 2025 00:24

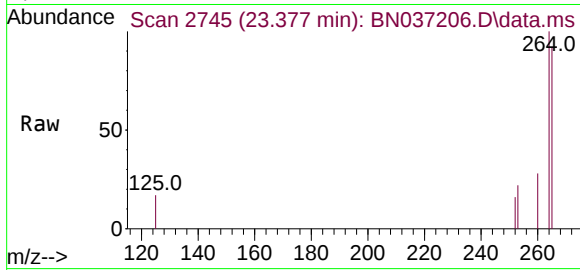
Tgt Ion:149 Resp: 484
 Ion Ratio Lower Upper
 149 100
 167 24.4 21.0 31.4
 279 5.4 2.9 4.3#





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.377 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BN037206.D
 Acq: 10 Jun 2025 00:24

Instrument :
 BNA_N
 ClientSampleId :



Tgt Ion:264 Resp: 2201

Ion	Ratio	Lower	Upper
264	100		
260	27.7	22.1	33.1
265	91.7	55.8	83.8

