

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100925\
 Data File : BF143909.D
 Acq On : 09 Oct 2025 15:18
 Operator : RC/JU
 Sample : PB170041BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB170041BL

Quant Time: Oct 09 15:56:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

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

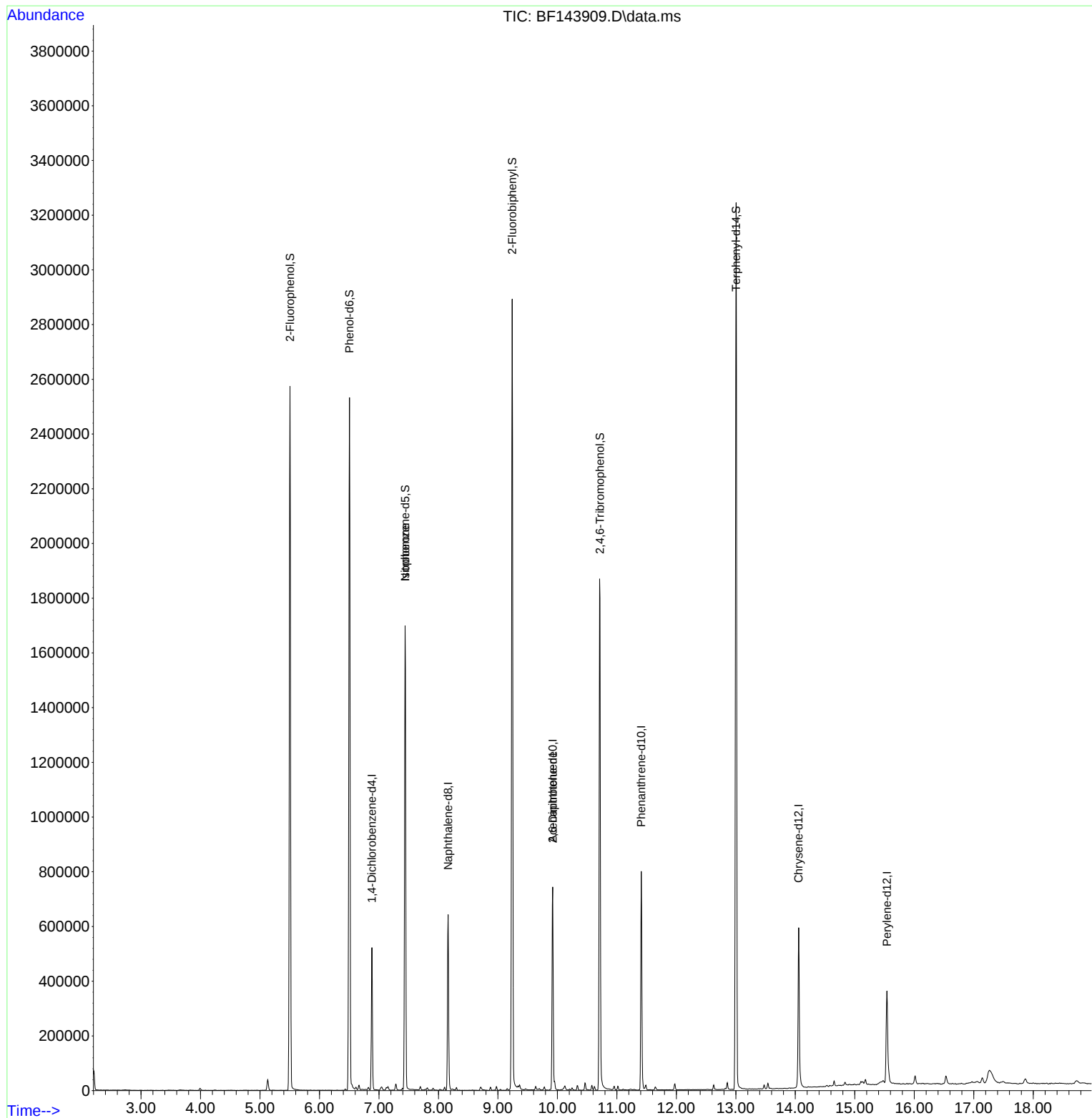
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	106153	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	416782	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	235593	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	421234	20.000	ng	0.00
76) Chrysene-d12	14.057	240	298312	20.000	ng	-0.01
86) Perylene-d12	15.539	264	245587	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1013273	151.580	ng	0.00
7) Phenol-d6	6.504	99	1186780	148.945	ng	-0.01
23) Nitrobenzene-d5	7.440	82	762636	111.170	ng	-0.02
42) 2,4,6-Tribromophenol	10.716	330	390991	166.624	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1486964	100.148	ng	-0.01
79) Terphenyl-d14	13.004	244	1810874	103.748	ng	0.00
Target Compounds						
25) Isophorone	7.440	82	642974	44.451	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	29974	10.804	ng	# 26

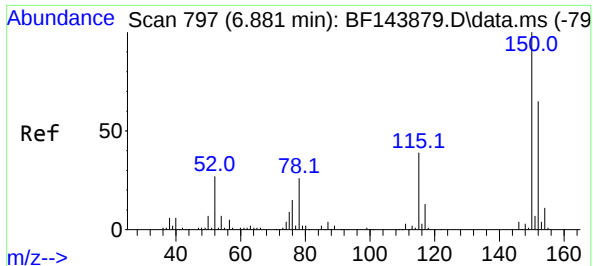
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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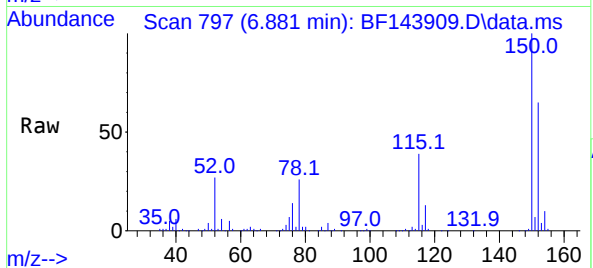
Quant Time: Oct 09 15:56:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



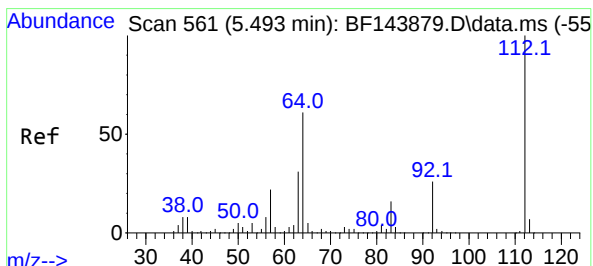
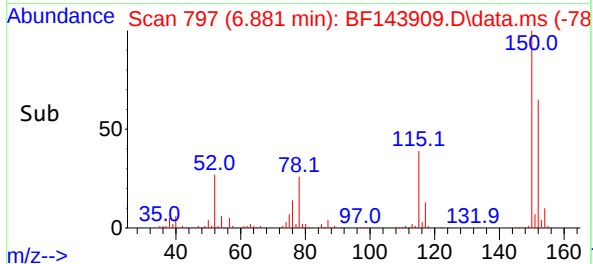
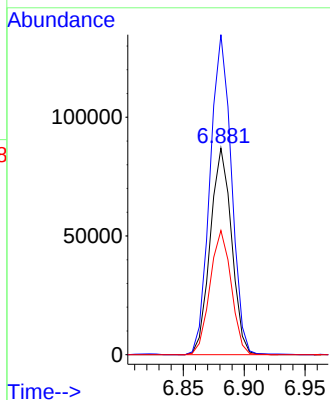


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143909.D
Acq: 09 Oct 2025 15:18

Instrument :
BNA_F
ClientSampleId :
PB170041BL

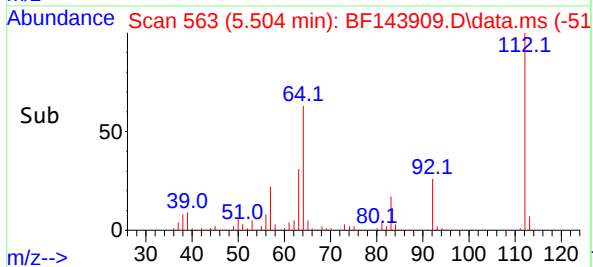
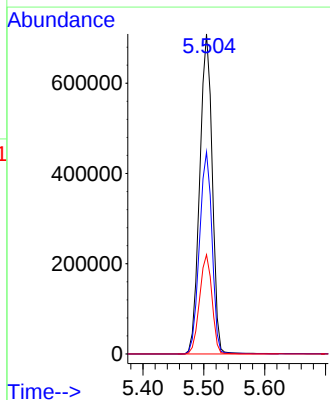
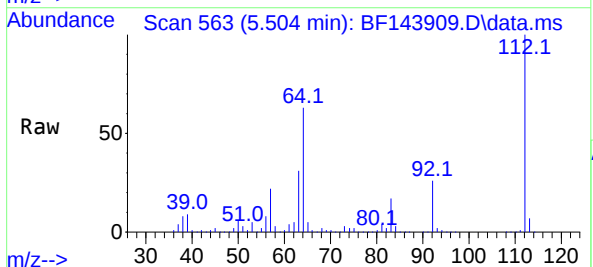


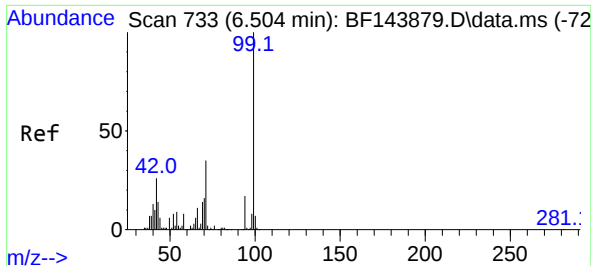
Tgt Ion:152 Resp: 106153
Ion Ratio Lower Upper
152 100
150 154.9 124.4 186.6
115 60.1 48.1 72.1



#5
2-Fluorophenol
Concen: 151.580 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.006 min
Lab File: BF143909.D
Acq: 09 Oct 2025 15:18

Tgt Ion:112 Resp: 1013273
Ion Ratio Lower Upper
112 100
64 63.1 49.1 73.7
63 31.0 24.5 36.7



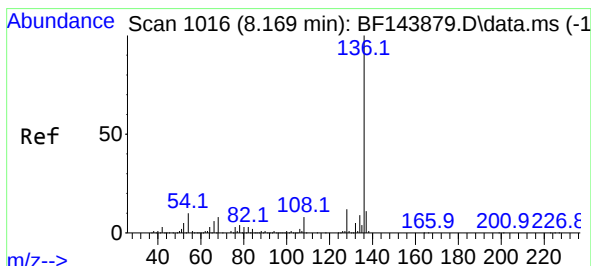
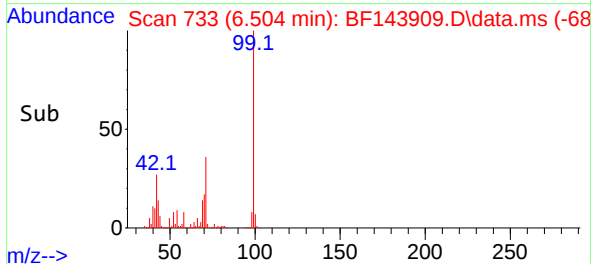
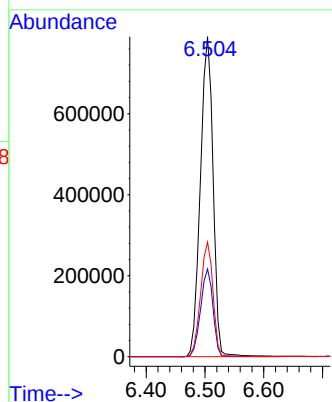
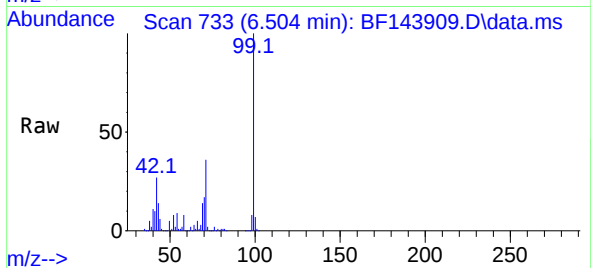


#7
Phenol-d6
Concen: 148.945 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF143909.D
Acq: 09 Oct 2025 15:18

Instrument :
BNA_F
ClientSampleId :
PB170041BL

Tgt Ion: 99 Resp: 1186780

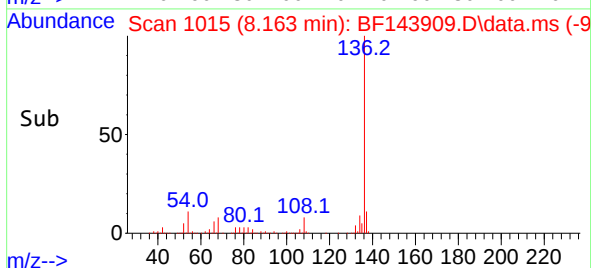
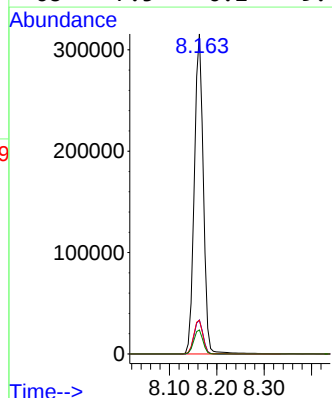
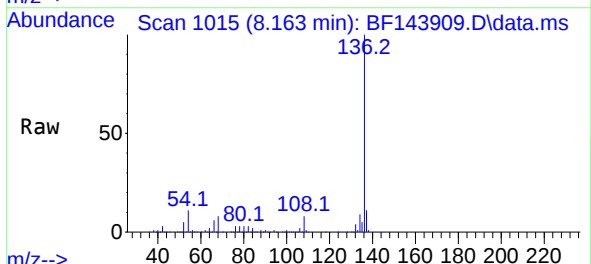
Ion	Ratio	Lower	Upper
99	100		
42	27.4	21.0	31.4
71	35.9	27.8	41.8

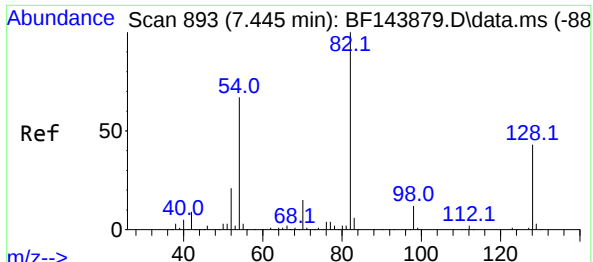


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143909.D
Acq: 09 Oct 2025 15:18

Tgt Ion: 136 Resp: 416782

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	10.6	8.2	12.4
68	7.5	6.2	9.4

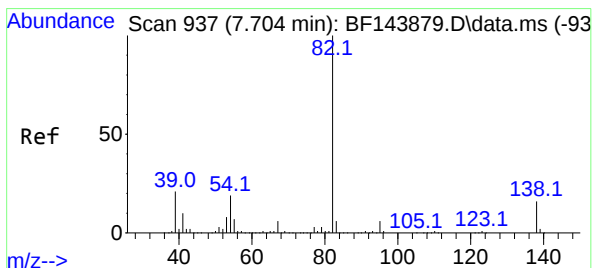
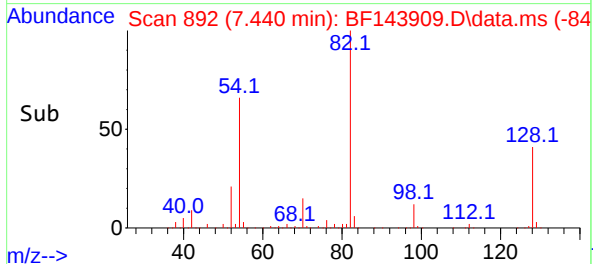
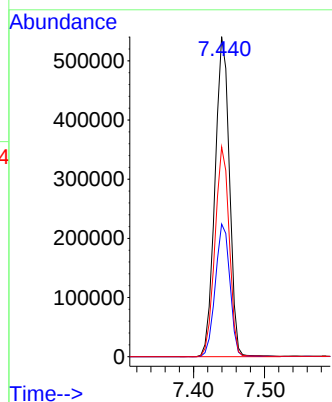
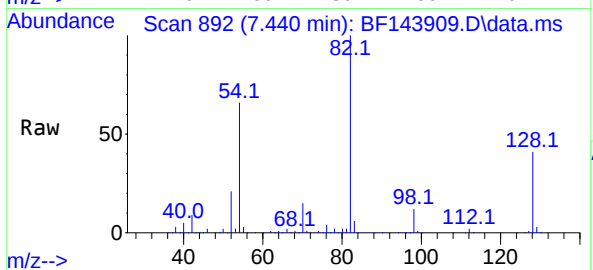




#23
Nitrobenzene-d5
Concen: 111.170 ng
RT: 7.440 min Scan# 893
Delta R.T. -0.017 min
Lab File: BF143909.D
Acq: 09 Oct 2025 15:18

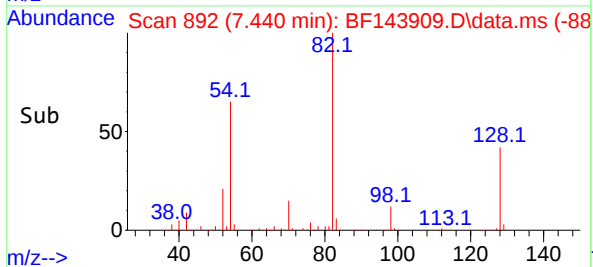
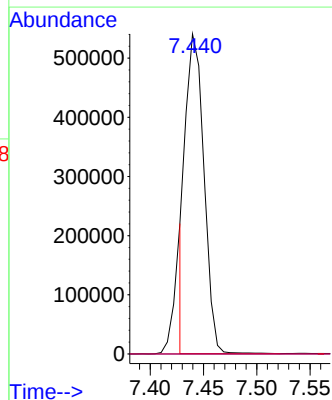
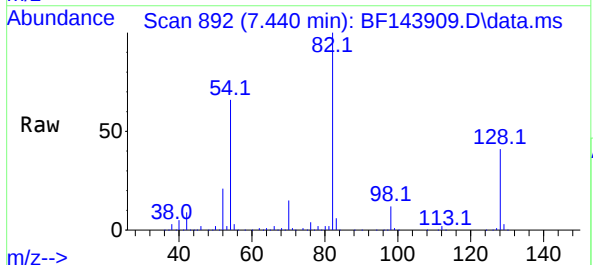
Instrument :
BNA_F
ClientSampleId :
PB170041BL

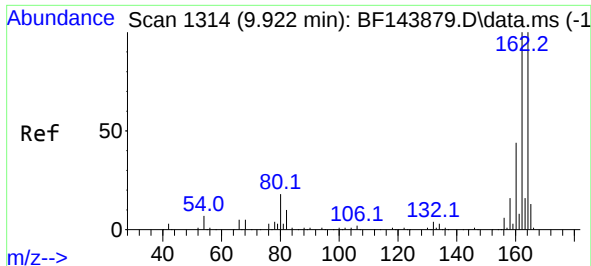
Tgt Ion: 82 Resp: 762636
Ion Ratio Lower Upper
82 100
128 41.5 34.0 51.0
54 65.6 53.2 79.8



#25
Isophorone
Concen: 44.451 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.282 min
Lab File: BF143909.D
Acq: 09 Oct 2025 15:18

Tgt Ion: 82 Resp: 642974
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.9 19.3#

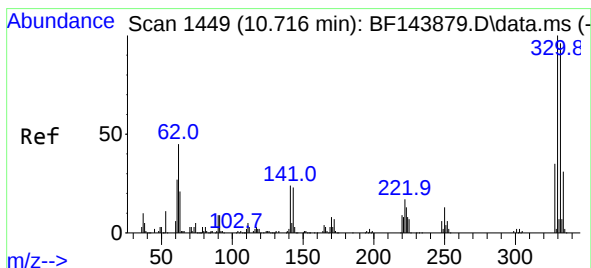
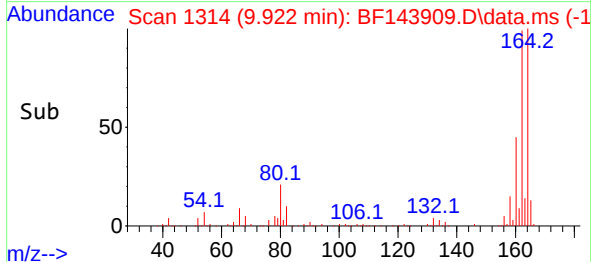
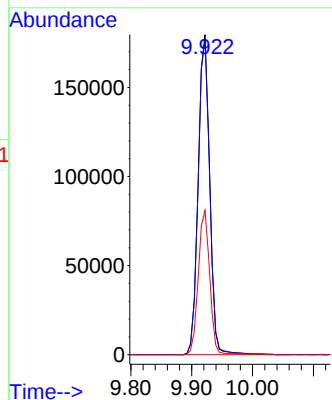
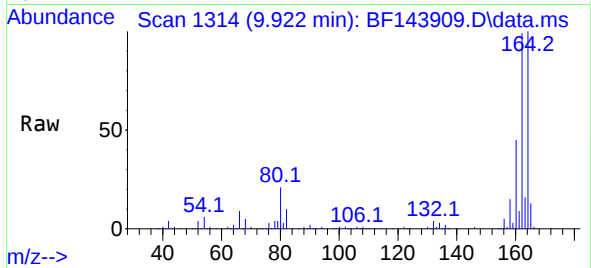




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143909.D
Acq: 09 Oct 2025 15:18

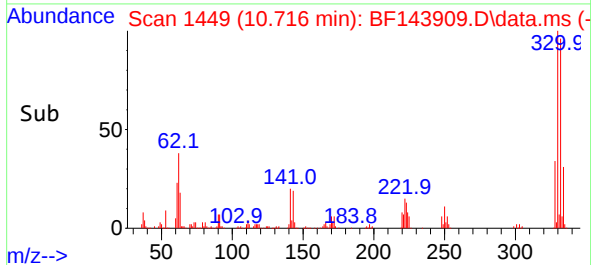
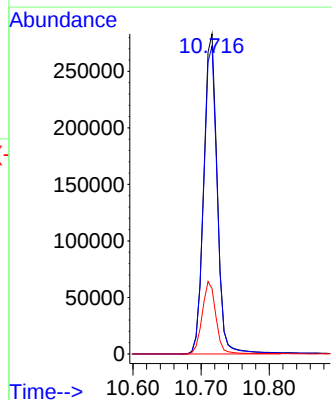
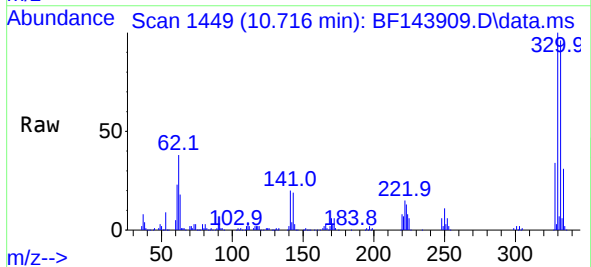
Instrument :
BNA_F
ClientSampleId :
PB170041BL

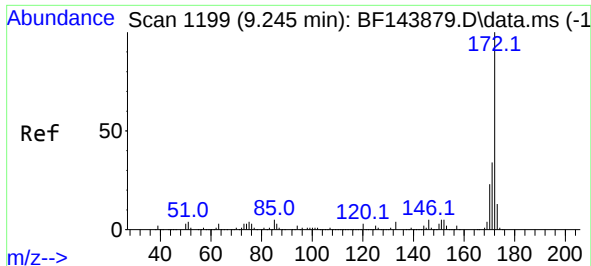
Tgt Ion:164 Resp: 235593
Ion Ratio Lower Upper
164 100
162 98.6 80.2 120.2
160 45.1 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 166.624 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF143909.D
Acq: 09 Oct 2025 15:18

Tgt Ion:330 Resp: 390991
Ion Ratio Lower Upper
330 100
332 97.5 76.9 115.3
141 23.3 20.2 30.4





#45

2-Fluorobiphenyl

Concen: 100.148 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF143909.D

Acq: 09 Oct 2025 15:18

Instrument :

BNA_F

ClientSampleId :

PB170041BL

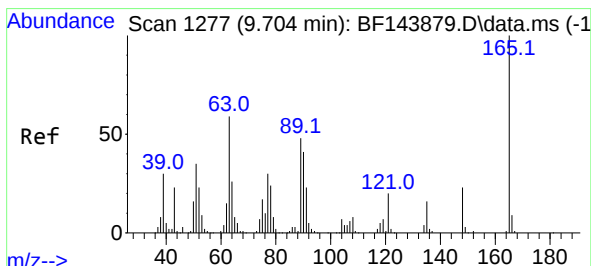
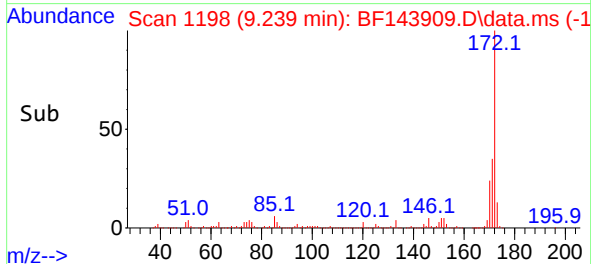
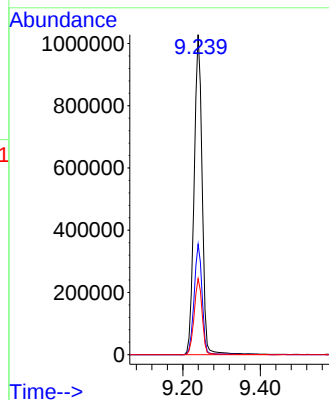
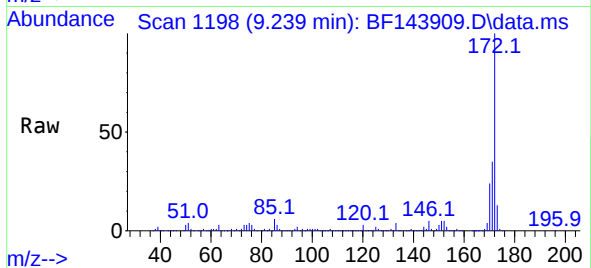
Tgt Ion:172 Resp: 1486964

Ion Ratio Lower Upper

172 100

171 34.5 27.4 41.0

170 23.7 18.6 28.0



#51

2,6-Dinitrotoluene

Concen: 10.804 ng

RT: 9.922 min Scan# 1314

Delta R.T. 0.206 min

Lab File: BF143909.D

Acq: 09 Oct 2025 15:18

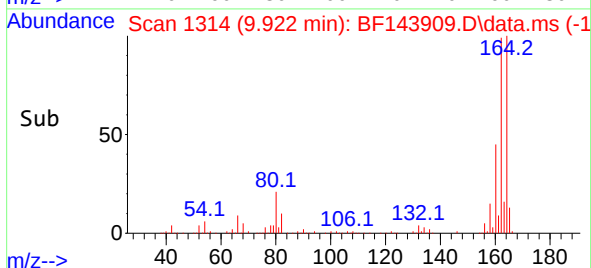
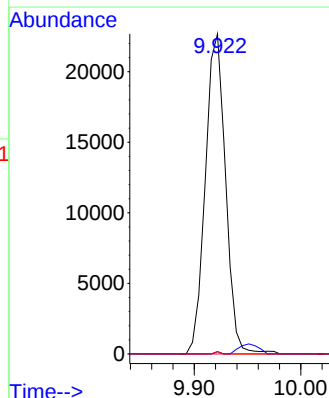
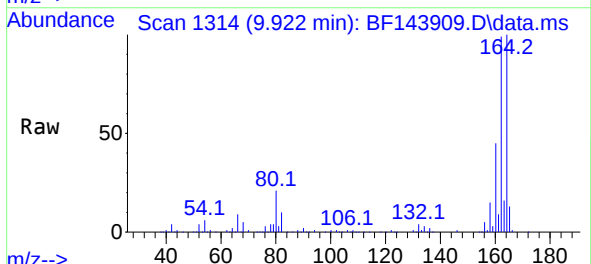
Tgt Ion:165 Resp: 29974

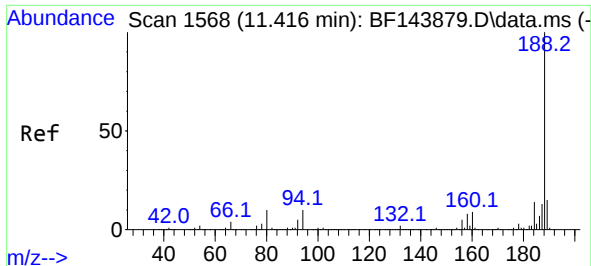
Ion Ratio Lower Upper

165 100

63 0.7 47.3 70.9#

89 0.7 38.2 57.4#

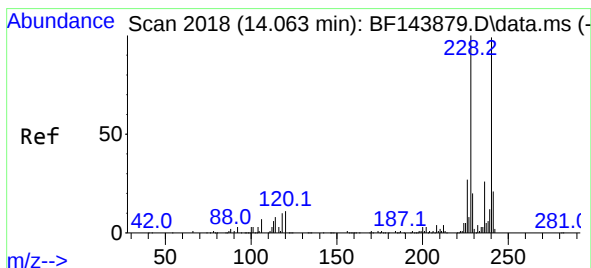
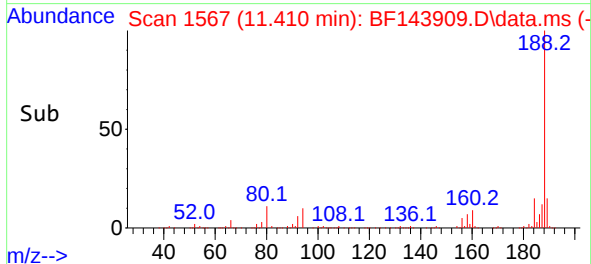
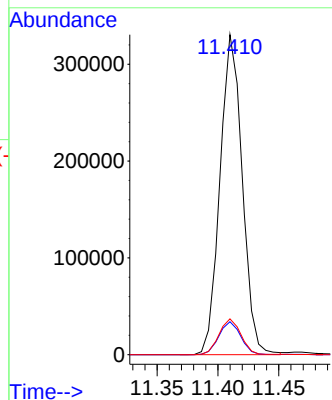
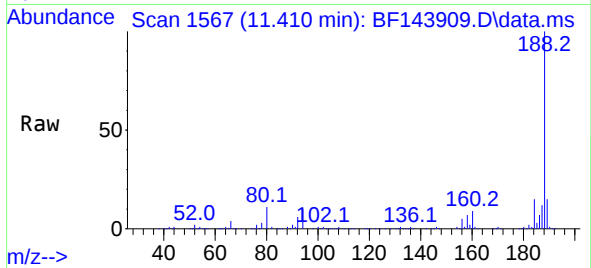




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143909.D
Acq: 09 Oct 2025 15:18

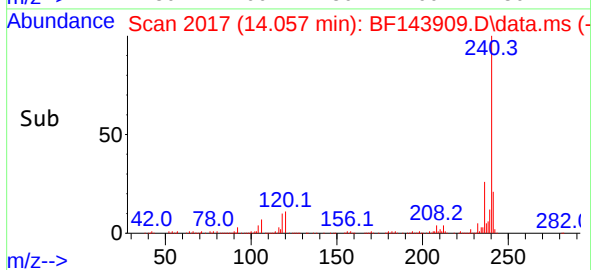
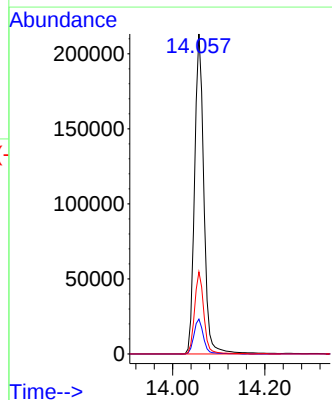
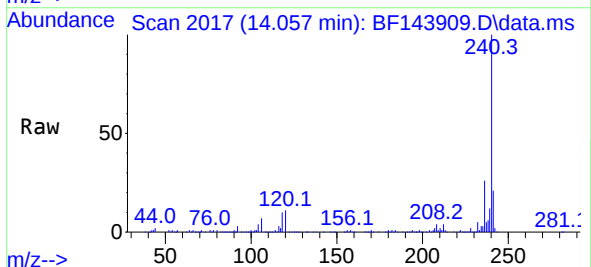
Instrument :
BNA_F
ClientSampleId :
PB170041BL

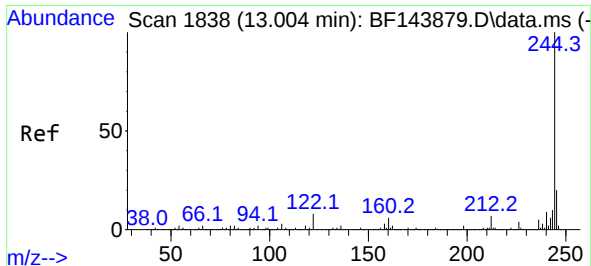
Tgt Ion:188 Resp: 421234
Ion Ratio Lower Upper
188 100
94 10.3 7.8 11.6
80 11.2 7.9 11.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF143909.D
Acq: 09 Oct 2025 15:18

Tgt Ion:240 Resp: 298312
Ion Ratio Lower Upper
240 100
120 10.9 8.6 13.0
236 25.6 21.1 31.7

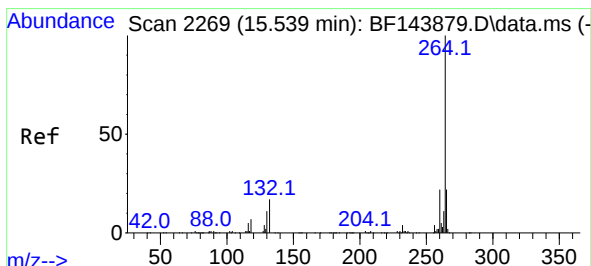
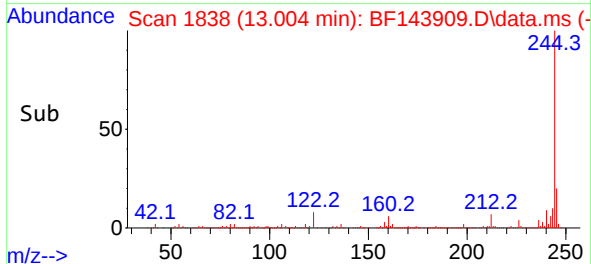
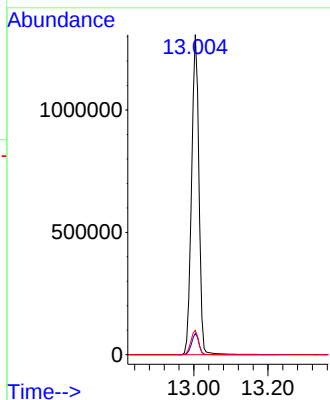
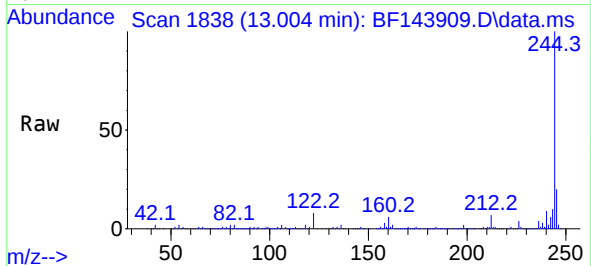




#79
Terphenyl-d14
Concen: 103.748 ng
RT: 13.004 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF143909.D
Acq: 09 Oct 2025 15:18

Instrument :
BNA_F
ClientSampleId :
PB170041BL

Tgt Ion:244 Resp: 1810874
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 7.6 6.4 9.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF143909.D
Acq: 09 Oct 2025 15:18

Tgt Ion:264 Resp: 245587
Ion Ratio Lower Upper
264 100
260 22.1 17.8 26.8
265 21.0 17.5 26.3

