

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141468.D
 Acq On : 06 Feb 2025 00:33
 Operator : RC/JU
 Sample : Q1286-01 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-07-020425

Quant Time: Feb 06 01:52:27 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

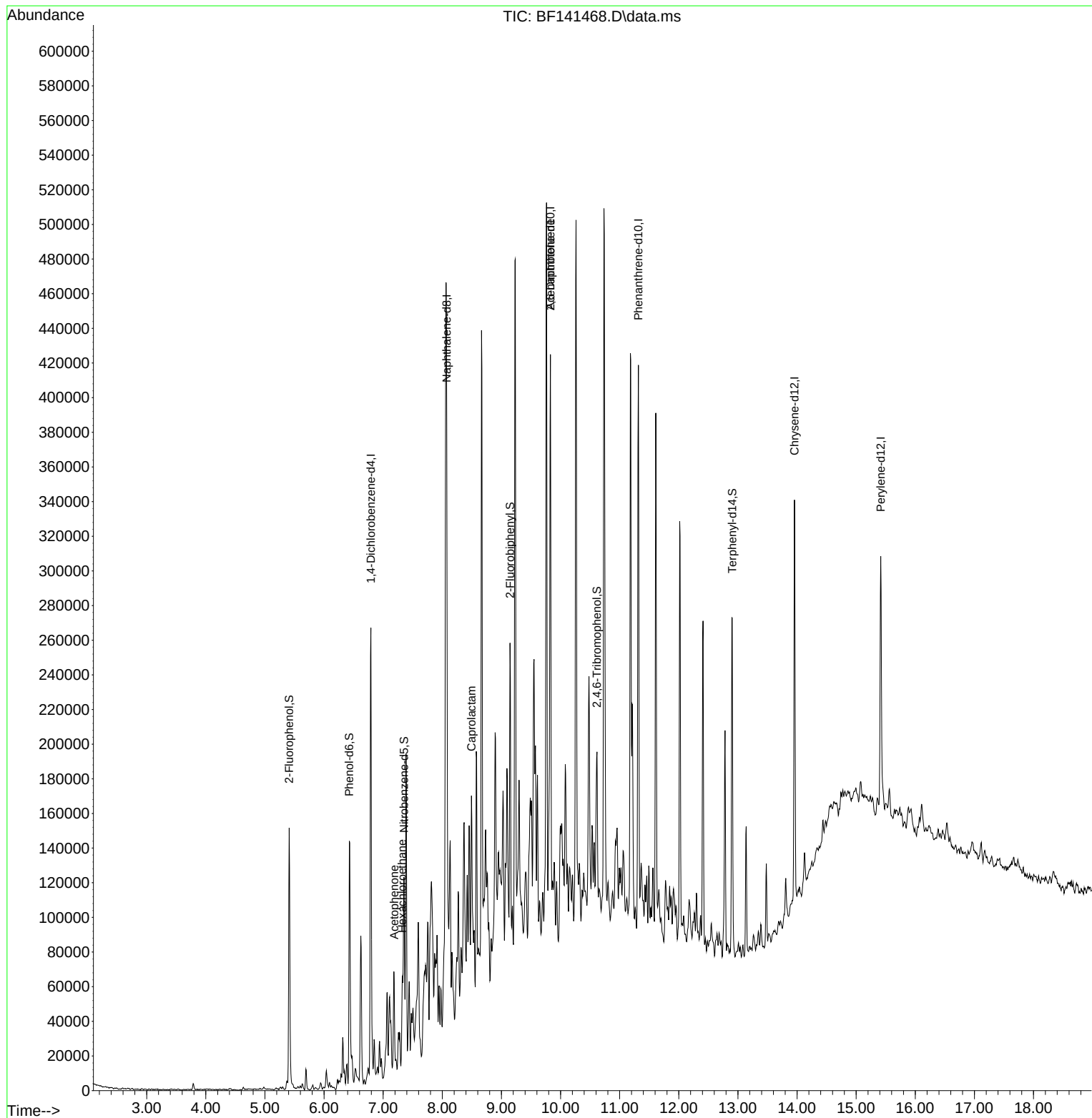
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	52570	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	181713	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	87497	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	161478	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	111488	20.000	ng	-0.02
86) Perylene-d12	15.415	264	85256	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	60605	17.698	ng	0.00
7) Phenol-d6	6.428	99	69053	15.852	ng	-0.01
23) Nitrobenzene-d5	7.351	82	42196	12.241	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	14007	17.462	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	74807	13.160	ng	-0.02
79) Terphenyl-d14	12.904	244	92574	12.806	ng	-0.01
Target Compounds						
						Qvalue
18) Hexachloroethane	7.322	117	3694	2.463	ng	# 1
22) Acetophenone	7.187	105	8915	2.064	ng	# 51
35) Caprolactam	8.492	113	2675	3.120	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	13672	9.964	ng	# 27

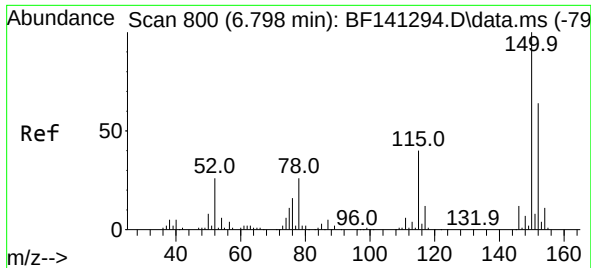
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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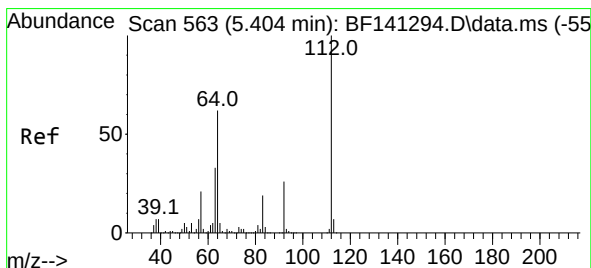
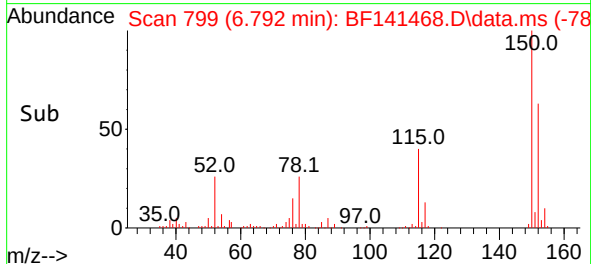
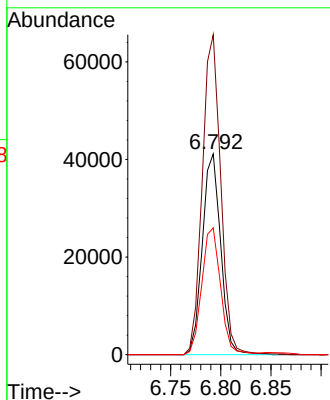
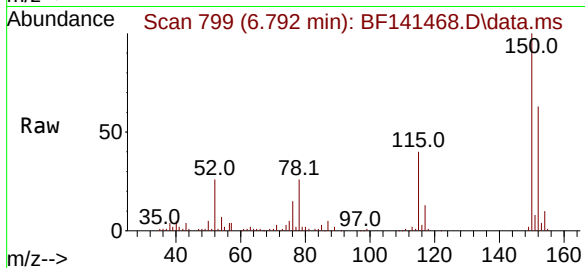




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 79
 Delta R.T. -0.012 min
 Lab File: BF141468.D
 Acq: 06 Feb 2025 00:33

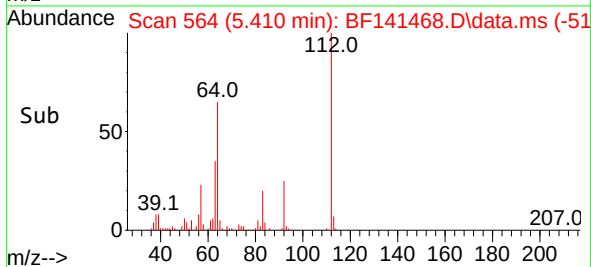
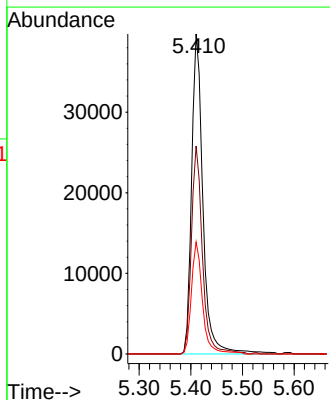
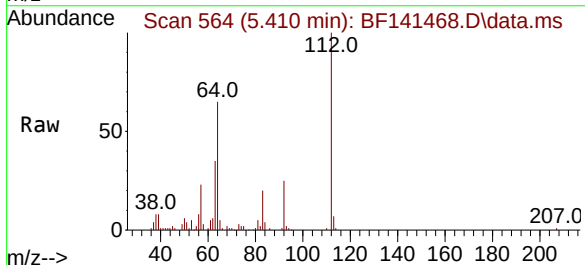
Instrument :
 BNA_F
 ClientSampleId :
 NB-07-020425

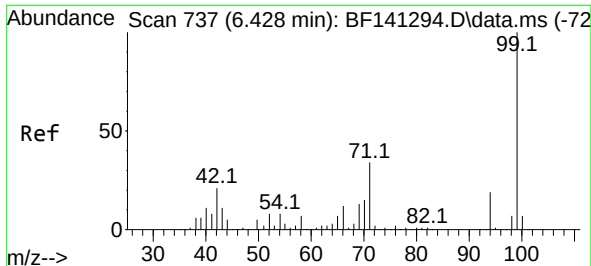
Tgt Ion:152 Resp: 52570
 Ion Ratio Lower Upper
 152 100
 150 159.3 125.9 188.9
 115 63.2 49.7 74.5



#5
 2-Fluorophenol
 Concen: 17.698 ng
 RT: 5.410 min Scan# 564
 Delta R.T. -0.000 min
 Lab File: BF141468.D
 Acq: 06 Feb 2025 00:33

Tgt Ion:112 Resp: 60605
 Ion Ratio Lower Upper
 112 100
 64 65.0 49.8 74.8
 63 35.0 26.1 39.1

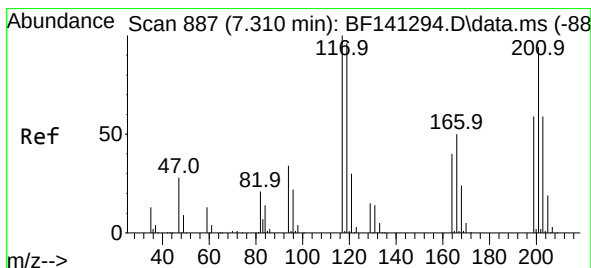
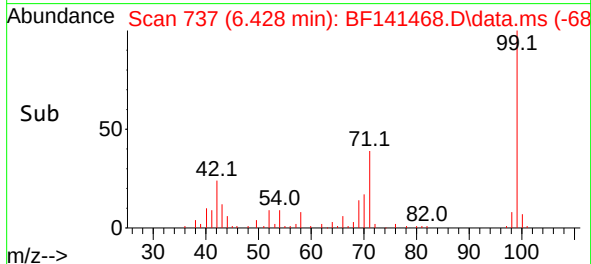
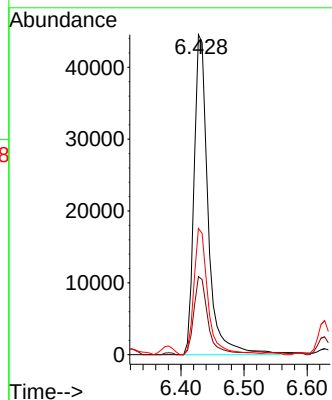
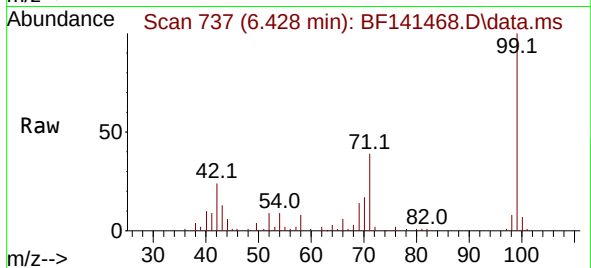




#7
Phenol-d6
Concen: 15.852 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141468.D
Acq: 06 Feb 2025 00:33

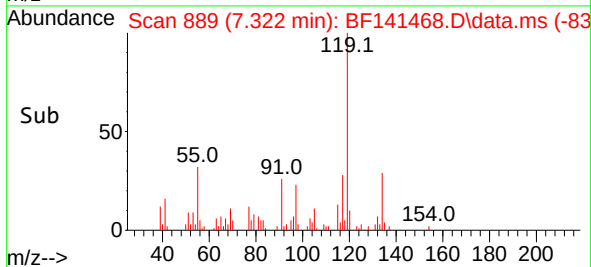
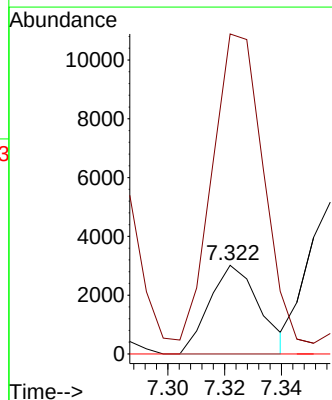
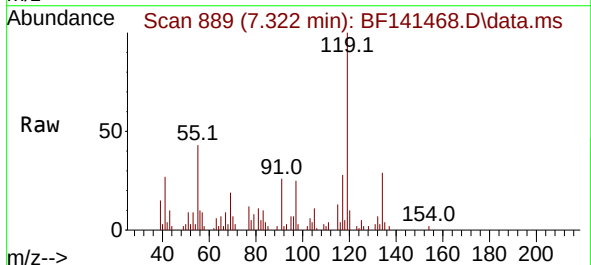
Instrument :
BNA_F
ClientSampleId :
NB-07-020425

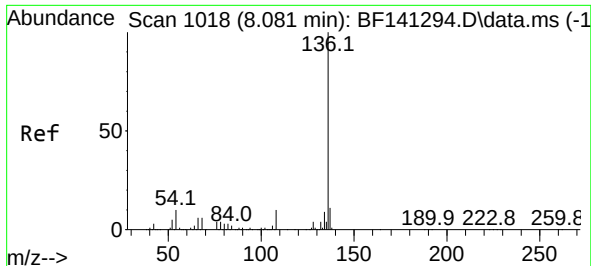
Tgt Ion: 99 Resp: 69053
Ion Ratio Lower Upper
99 100
42 24.4 17.1 25.7
71 39.5 26.9 40.3



#18
Hexachloroethane
Concen: 2.463 ng
RT: 7.322 min Scan# 889
Delta R.T. 0.006 min
Lab File: BF141468.D
Acq: 06 Feb 2025 00:33

Tgt Ion: 117 Resp: 3694
Ion Ratio Lower Upper
117 100
119 361.0 76.6 114.8#
201 0.0 74.8 112.2#

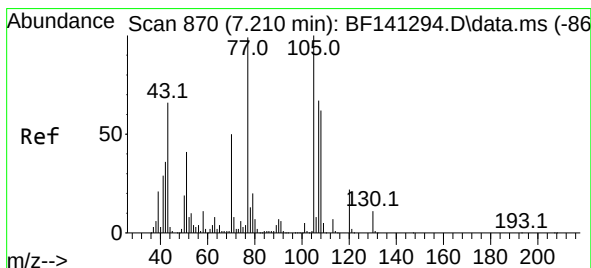
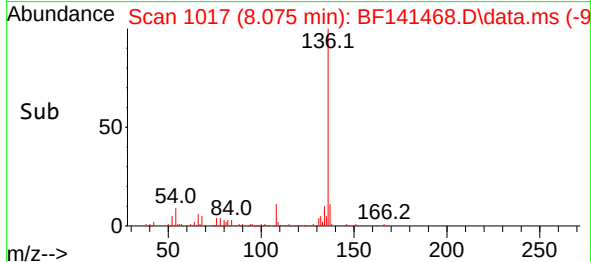
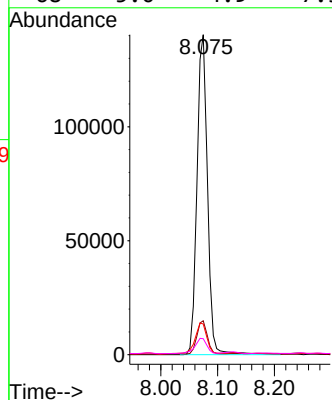
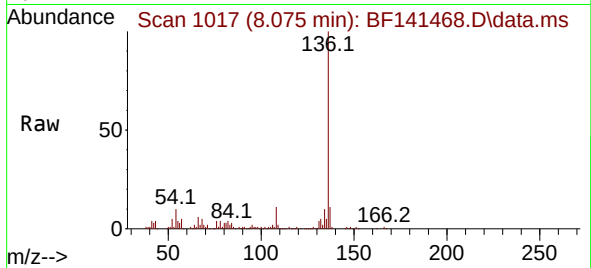




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BF141468.D
Acq: 06 Feb 2025 00:33

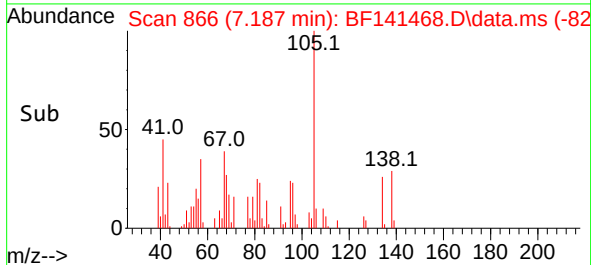
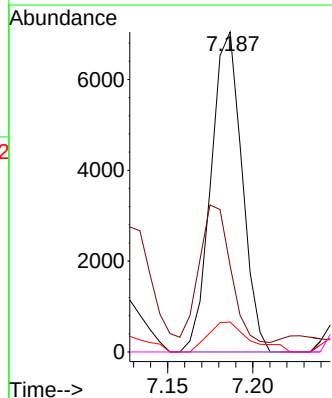
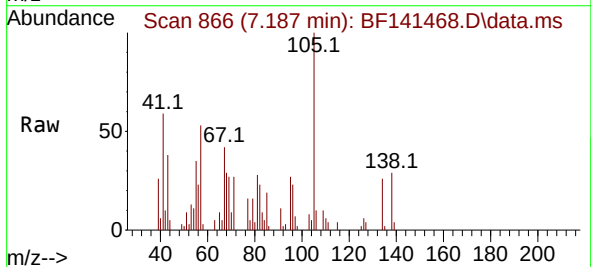
Instrument :
BNA_F
ClientSampleId :
NB-07-020425

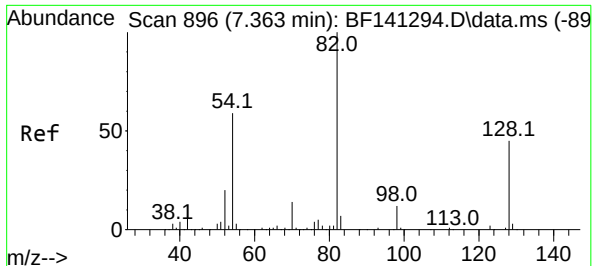
Tgt Ion:	136	Resp:	181713
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	9.6	7.8	11.8
68	5.0	4.9	7.3



#22
Acetophenone
Concen: 2.064 ng
RT: 7.187 min Scan# 866
Delta R.T. -0.030 min
Lab File: BF141468.D
Acq: 06 Feb 2025 00:33

Tgt Ion:	105	Resp:	8915
Ion	Ratio	Lower	Upper
105	100		
71	27.0	6.8	10.2#
51	9.3	32.6	49.0#
120	0.0	17.4	26.0#





#23

Nitrobenzene-d5

Concen: 12.241 ng

RT: 7.351 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF141468.D

Acq: 06 Feb 2025 00:33

Instrument :

BNA_F

ClientSampleId :

NB-07-020425

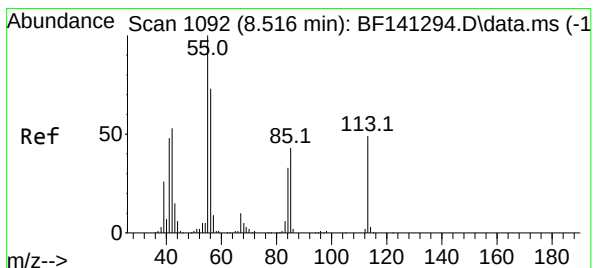
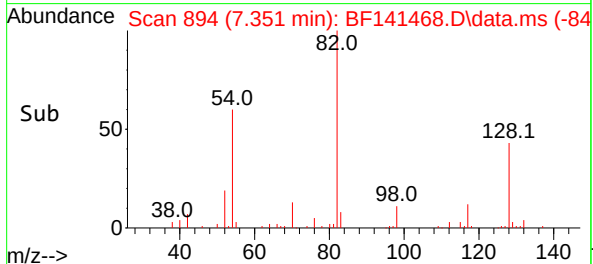
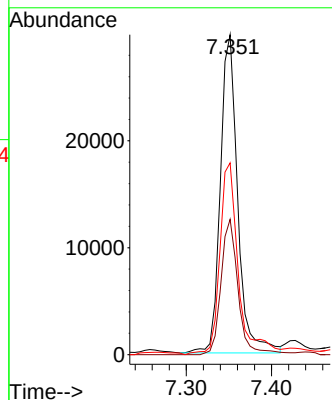
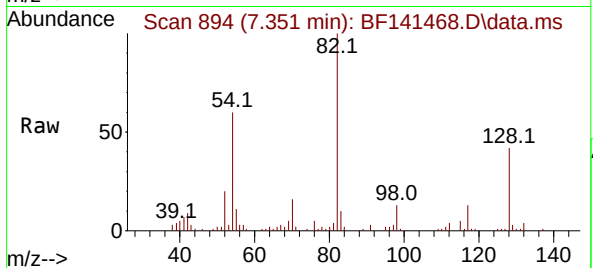
Tgt Ion: 82 Resp: 42196

Ion Ratio Lower Upper

82 100

128 42.3 35.7 53.5

54 60.0 47.1 70.7



#35

Caprolactam

Concen: 3.120 ng

RT: 8.492 min Scan# 1088

Delta R.T. -0.053 min

Lab File: BF141468.D

Acq: 06 Feb 2025 00:33

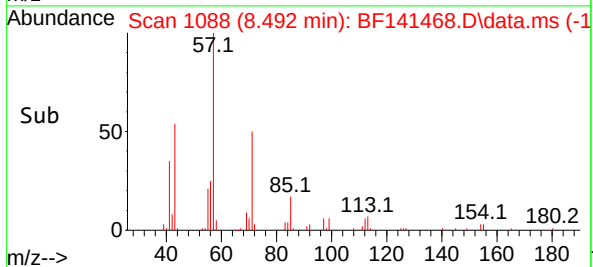
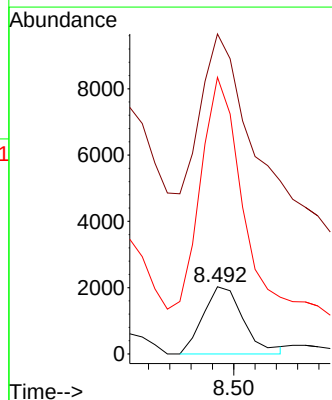
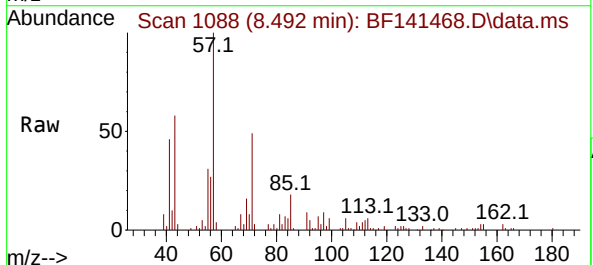
Tgt Ion: 113 Resp: 2675

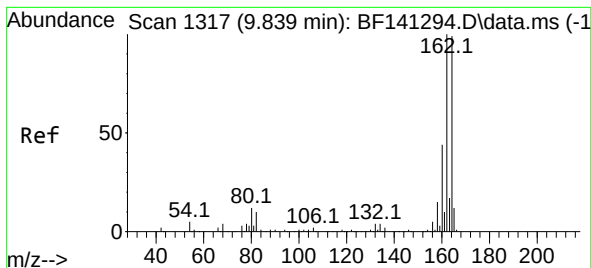
Ion Ratio Lower Upper

113 100

55 476.7 182.9 222.9#

56 412.0 127.9 167.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141468.D

Acq: 06 Feb 2025 00:33

Instrument :

BNA_F

ClientSampleId :

NB-07-020425

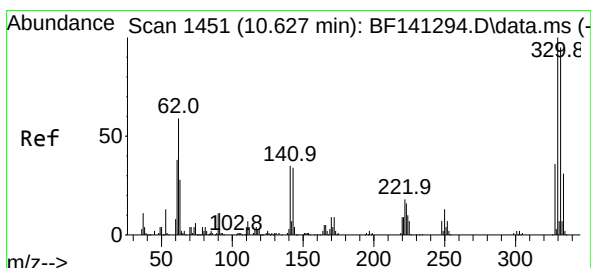
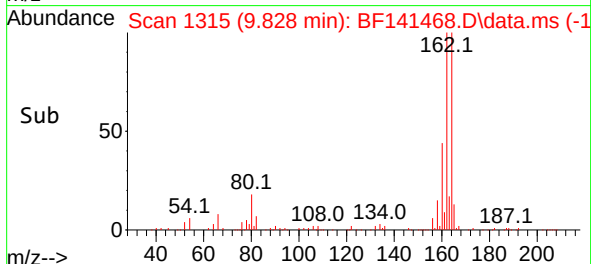
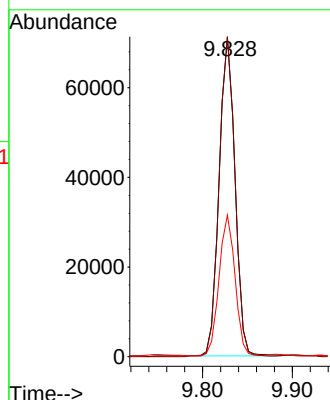
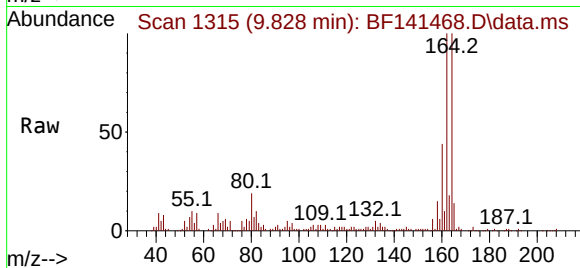
Tgt Ion:164 Resp: 87497

Ion Ratio Lower Upper

164 100

162 100.1 80.6 121.0

160 44.3 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 17.462 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.018 min

Lab File: BF141468.D

Acq: 06 Feb 2025 00:33

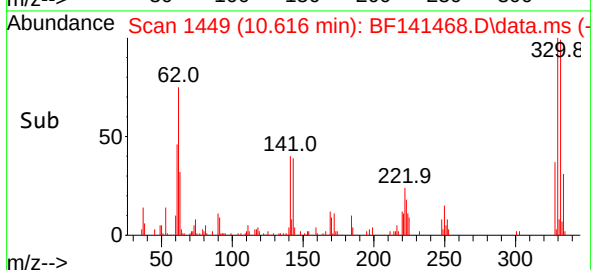
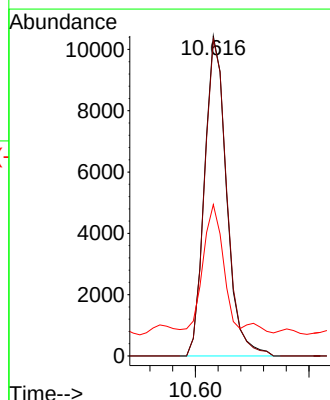
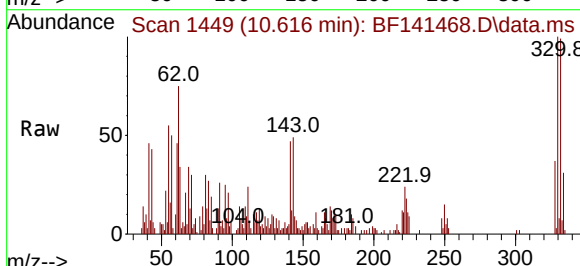
Tgt Ion:330 Resp: 14007

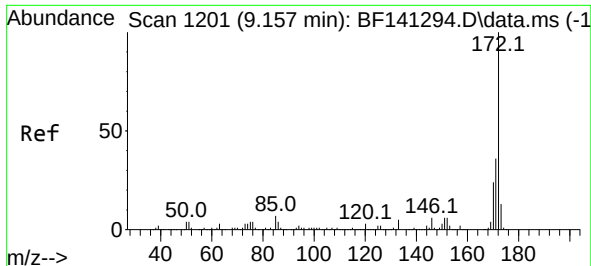
Ion Ratio Lower Upper

330 100

332 99.8 76.1 114.1

141 34.7 28.8 43.2





#45

2-Fluorobiphenyl

Concen: 13.160 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.018 min

Lab File: BF141468.D

Acq: 06 Feb 2025 00:33

Instrument :

BNA_F

ClientSampleId :

NB-07-020425

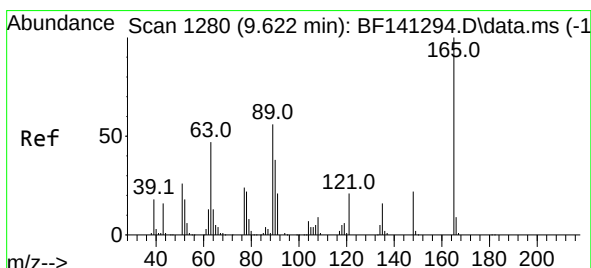
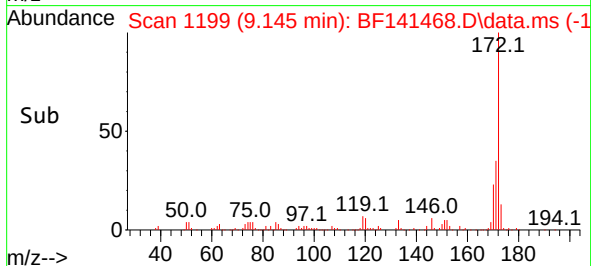
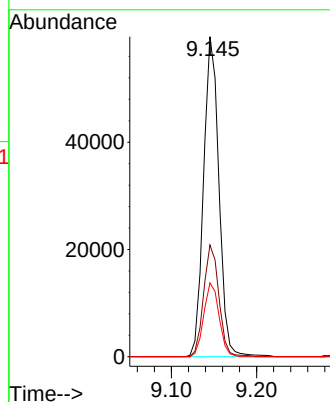
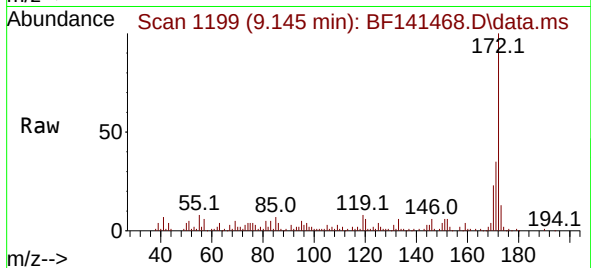
Tgt Ion:172 Resp: 74807

Ion Ratio Lower Upper

172 100

171 34.9 28.8 43.2

170 23.0 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 9.964 ng

RT: 9.828 min Scan# 1315

Delta R.T. 0.200 min

Lab File: BF141468.D

Acq: 06 Feb 2025 00:33

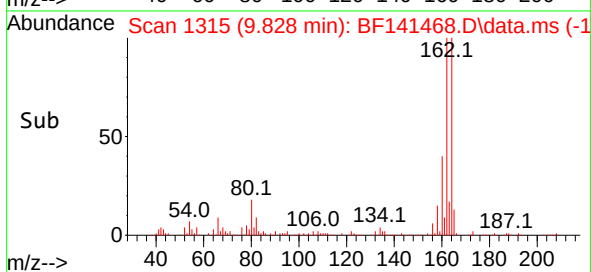
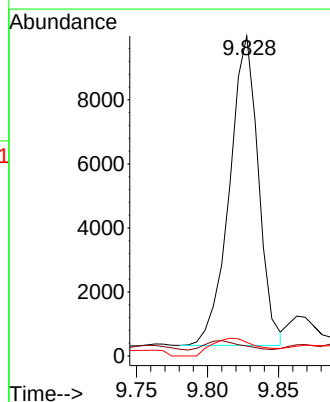
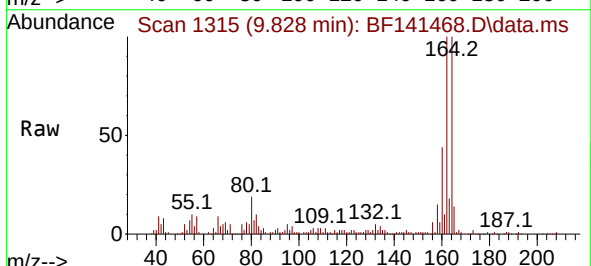
Tgt Ion:165 Resp: 13672

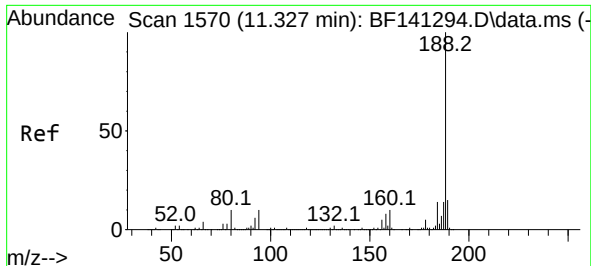
Ion Ratio Lower Upper

165 100

63 3.1 48.1 72.1#

89 4.3 44.9 67.3#

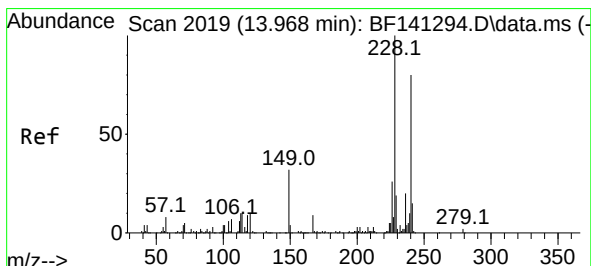
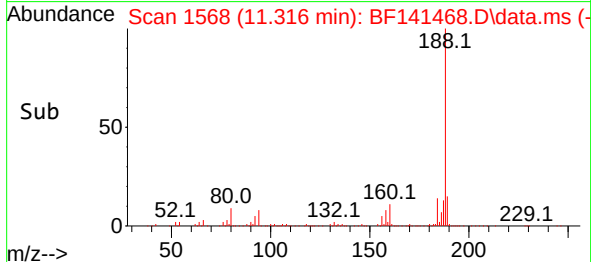
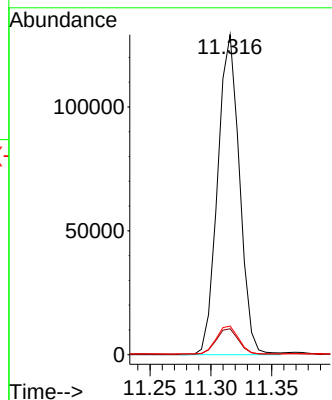
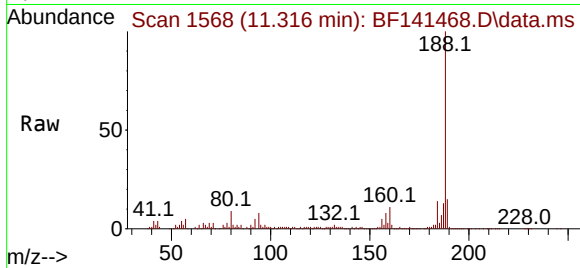




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141468.D
Acq: 06 Feb 2025 00:33

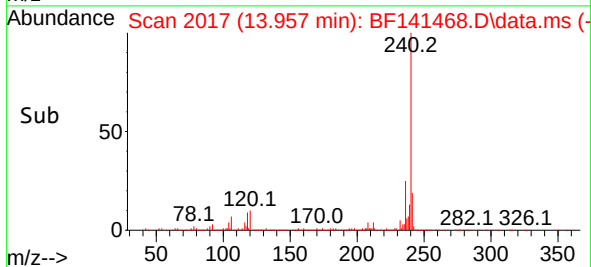
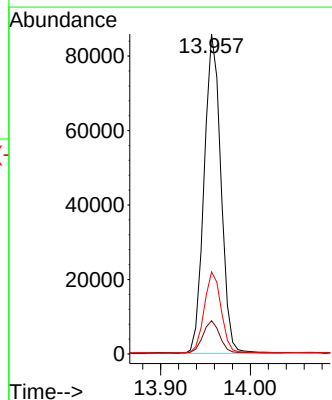
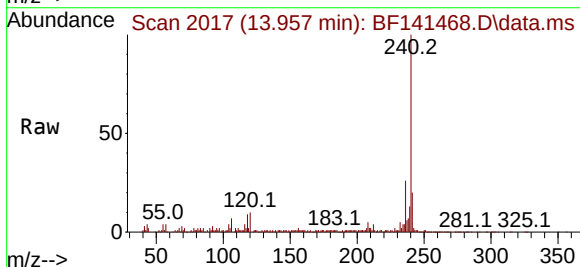
Instrument :
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ClientSampleId :
NB-07-020425

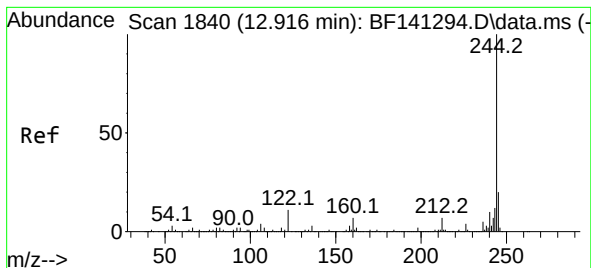
Tgt Ion:188 Resp: 161478
Ion Ratio Lower Upper
188 100
94 8.1 7.8 11.6
80 9.0 8.2 12.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141468.D
Acq: 06 Feb 2025 00:33

Tgt Ion:240 Resp: 111488
Ion Ratio Lower Upper
240 100
120 10.4 10.0 15.0
236 25.6 19.7 29.5





#79

Terphenyl-d14

Concen: 12.806 ng

RT: 12.904 min Scan# 1838

Delta R.T. -0.012 min

Lab File: BF141468.D

Acq: 06 Feb 2025 00:33

Instrument :

BNA_F

ClientSampleId :

NB-07-020425

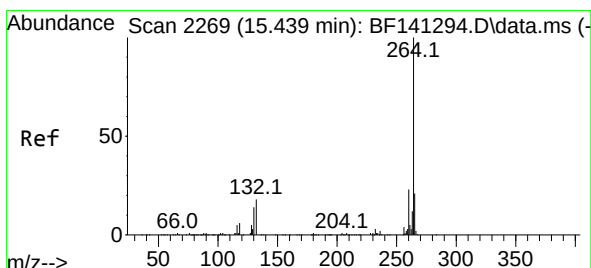
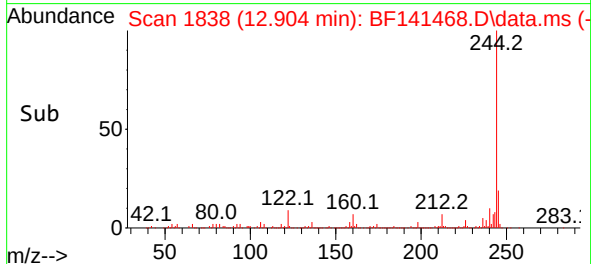
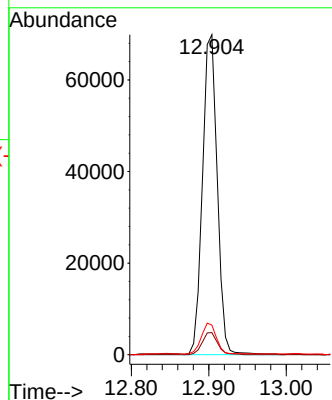
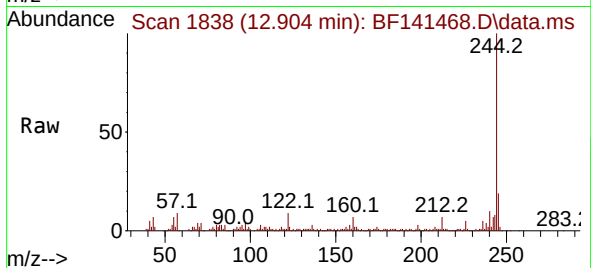
Tgt Ion:244 Resp: 92574

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

122 9.2 8.8 13.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 2265

Delta R.T. -0.024 min

Lab File: BF141468.D

Acq: 06 Feb 2025 00:33

Tgt Ion:264 Resp: 85256

Ion Ratio Lower Upper

264 100

260 24.1 18.6 27.8

265 23.0 16.7 25.1

