

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
 Data File : BF142147.D
 Acq On : 28 Mar 2025 02:06
 Operator : RC/JU
 Sample : Q1634-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-01-032425

Quant Time: Mar 28 03:57:32 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

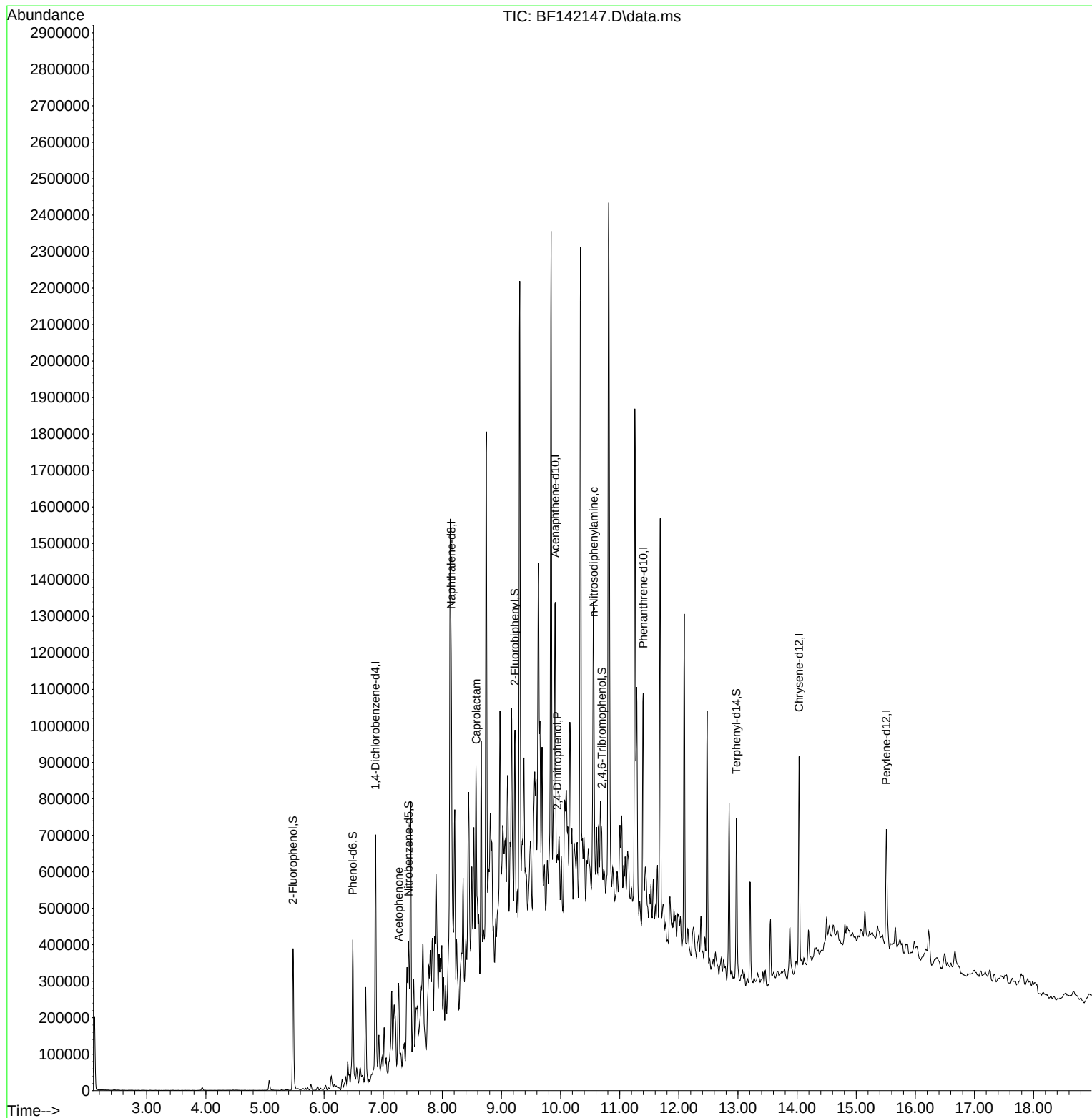
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	133744	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	467871	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	220122	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	312303	20.000	ng	0.00
76) Chrysene-d12	14.033	240	284160	20.000	ng	0.00
86) Perylene-d12	15.509	264	202759	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	160592	20.040	ng	-0.02
7) Phenol-d6	6.486	99	195554	19.166	ng	-0.02
23) Nitrobenzene-d5	7.428	82	129858	15.619	ng	-0.02
42) 2,4,6-Tribromophenol	10.698	330	40817	14.616	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	231722	16.010	ng	-0.01
79) Terphenyl-d14	12.974	244	197660	10.284	ng	-0.01
Target Compounds						
					Qvalue	
22) Acetophenone	7.263	105	39689	3.542	ng	# 53
35) Caprolactam	8.575	113	17068	8.075	ng	# 1
54) 2,4-Dinitrophenol	9.945	184	58	6.603	ng	# 1
66) n-Nitrosodiphenylamine	10.563	169	21015	2.079	ng	# 59

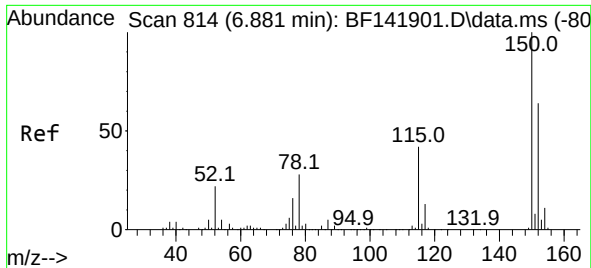
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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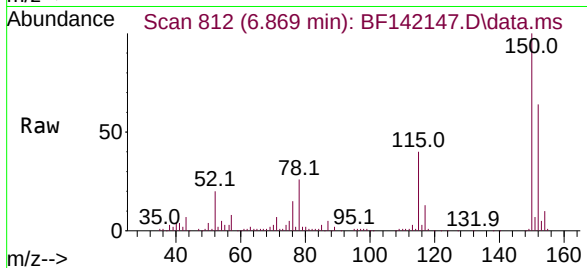
Quant Time: Mar 28 03:57:32 2025
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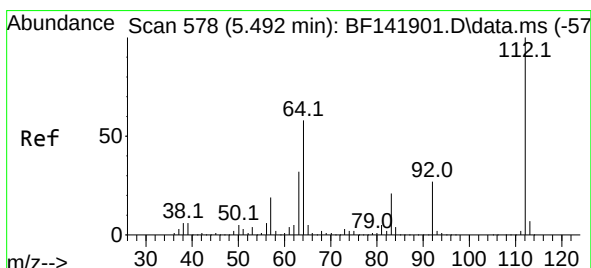
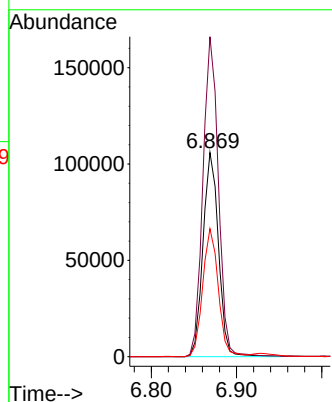
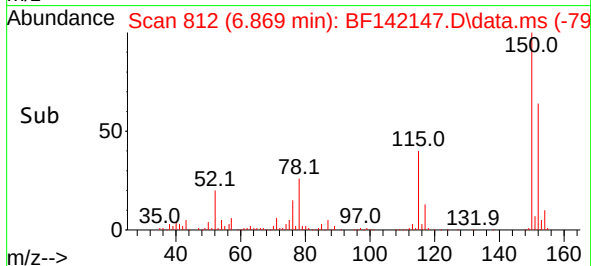


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142147.D
Acq: 28 Mar 2025 02:06

Instrument :
BNA_F
ClientSampleId :
HR-01-032425

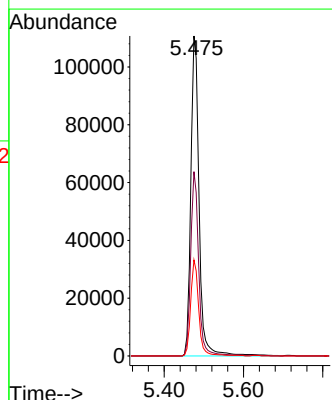
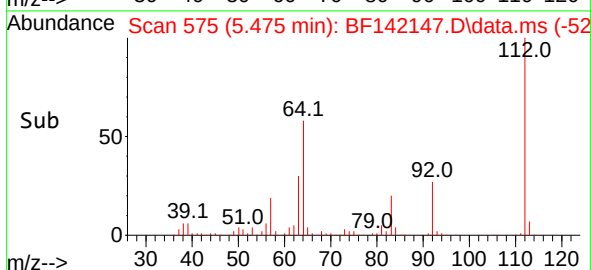
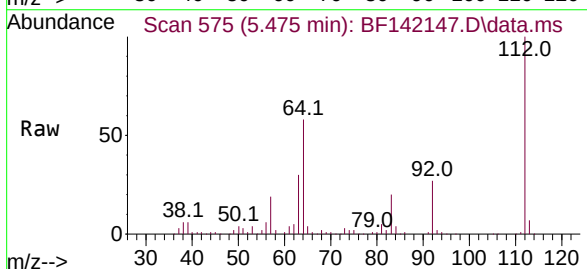


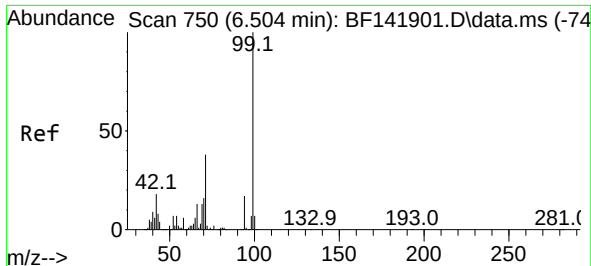
Tgt Ion:152 Resp: 133744
Ion Ratio Lower Upper
152 100
150 156.8 127.4 191.2
115 62.7 51.9 77.9



#5
2-Fluorophenol
Concen: 20.040 ng
RT: 5.475 min Scan# 575
Delta R.T. -0.018 min
Lab File: BF142147.D
Acq: 28 Mar 2025 02:06

Tgt Ion:112 Resp: 160592
Ion Ratio Lower Upper
112 100
64 57.6 46.5 69.7
63 30.0 25.4 38.2

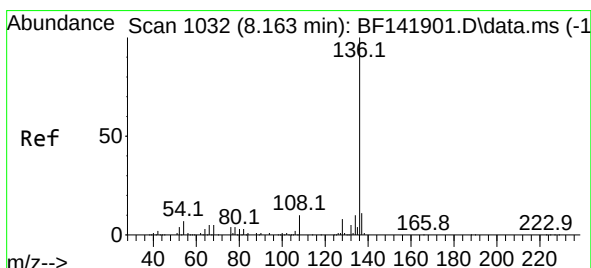
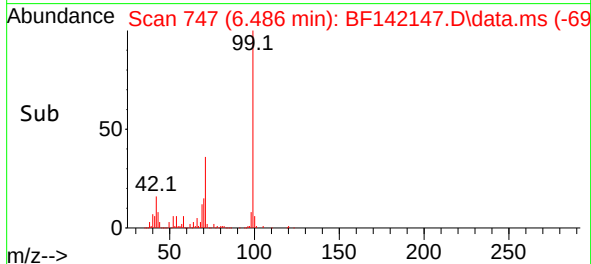
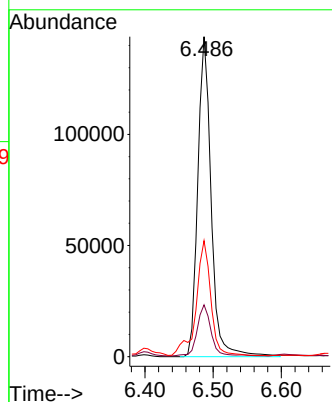
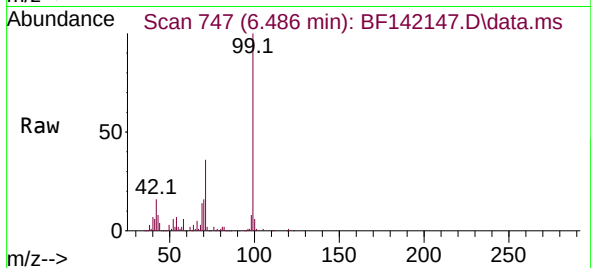




#7
Phenol-d6
Concen: 19.166 ng
RT: 6.486 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF142147.D
Acq: 28 Mar 2025 02:06

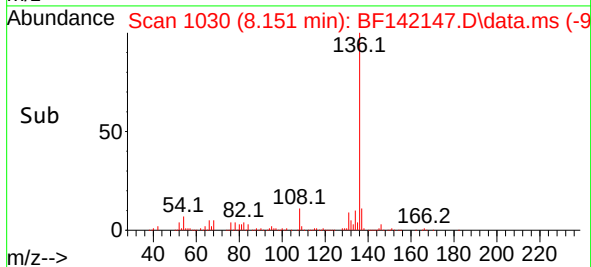
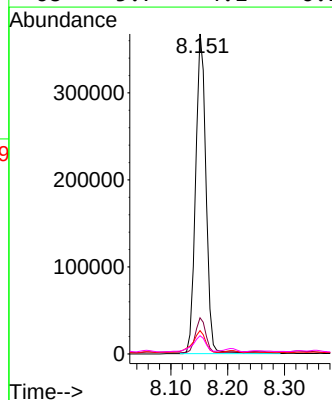
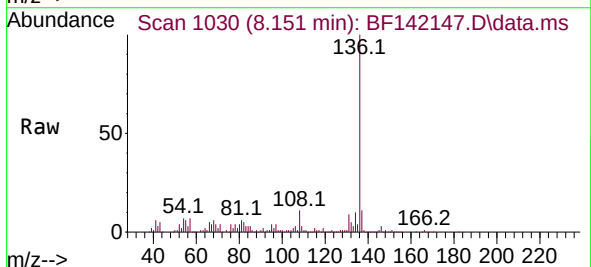
Instrument :
BNA_F
ClientSampleId :
HR-01-032425

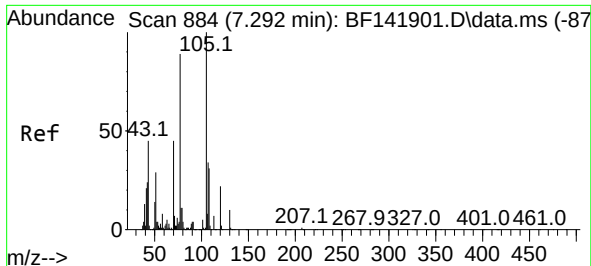
Tgt Ion: 99 Resp: 195554
Ion Ratio Lower Upper
99 100
42 16.2 14.6 21.8
71 36.3 30.8 46.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142147.D
Acq: 28 Mar 2025 02:06

Tgt Ion:136 Resp: 467871
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 7.3 5.8 8.8
68 5.7 4.1 6.1

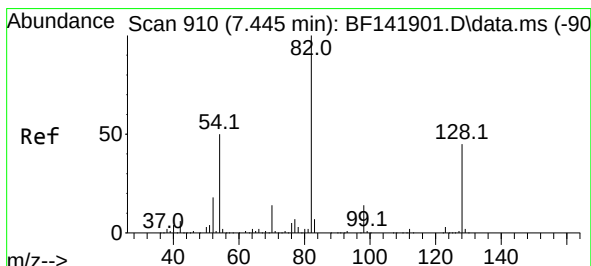
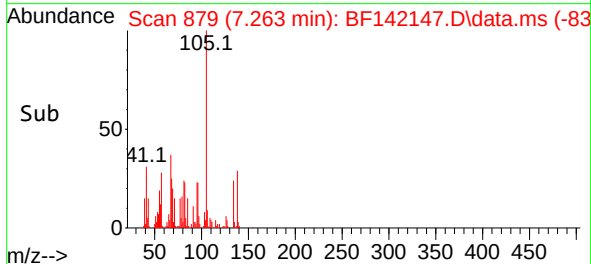
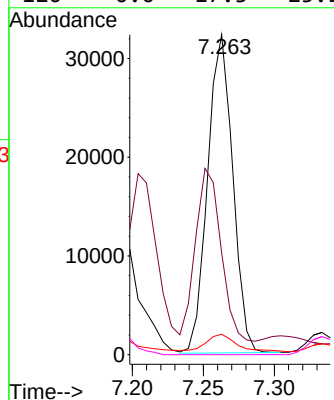
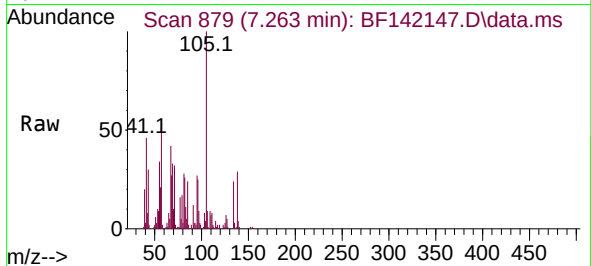




#22
Acetophenone
Concen: 3.542 ng
RT: 7.263 min Scan# 81
Delta R.T. -0.029 min
Lab File: BF142147.D
Acq: 28 Mar 2025 02:06

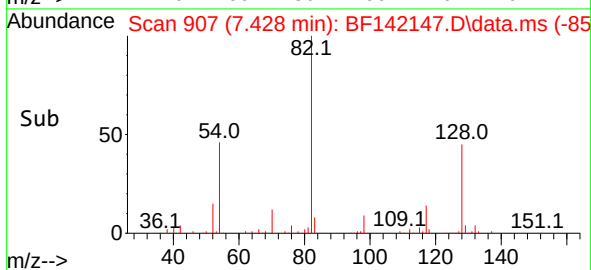
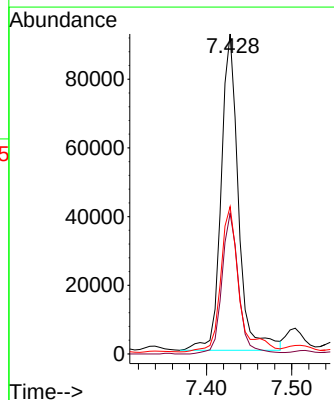
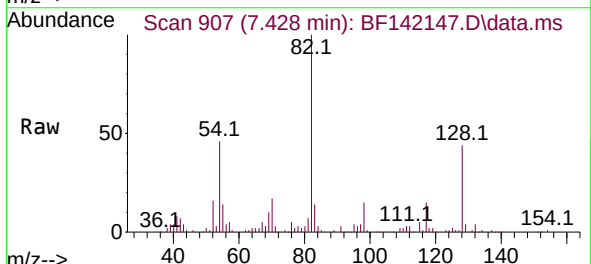
Instrument :
BNA_F
ClientSampleId :
HR-01-032425

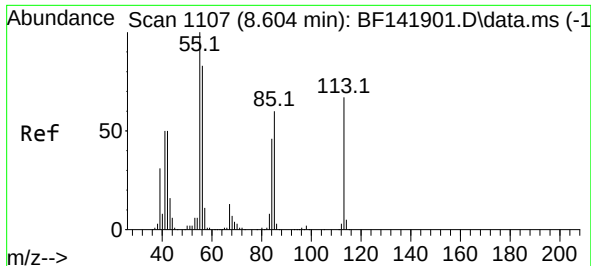
Tgt Ion:105 Resp: 39689
Ion Ratio Lower Upper
105 100
71 31.8 5.8 8.8#
51 6.4 23.4 35.0#
120 0.0 17.3 25.9#



#23
Nitrobenzene-d5
Concen: 15.619 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.018 min
Lab File: BF142147.D
Acq: 28 Mar 2025 02:06

Tgt Ion: 82 Resp: 129858
Ion Ratio Lower Upper
82 100
128 44.0 36.0 54.0
54 46.0 39.6 59.4

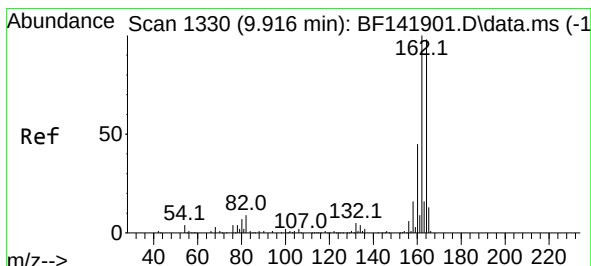
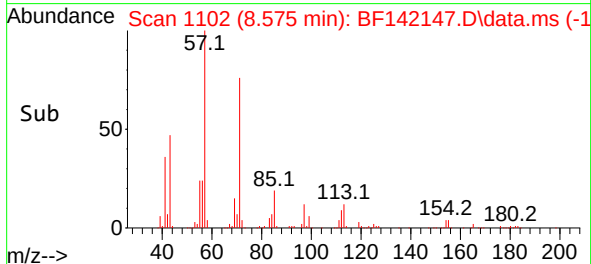
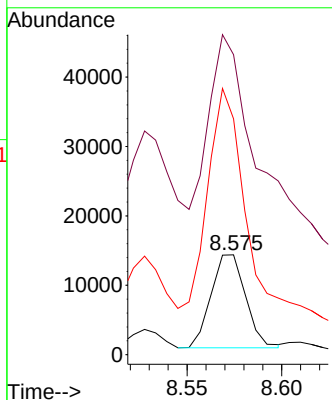
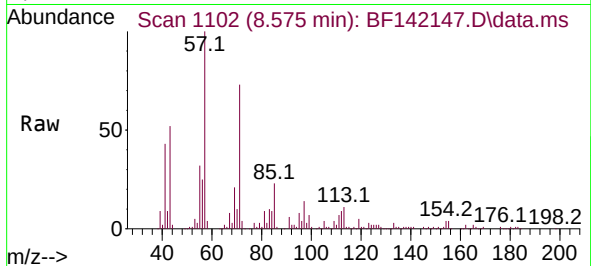




#35
 Caprolactam
 Concen: 8.075 ng
 RT: 8.575 min Scan# 1107
 Delta R.T. -0.029 min
 Lab File: BF142147.D
 Acq: 28 Mar 2025 02:06

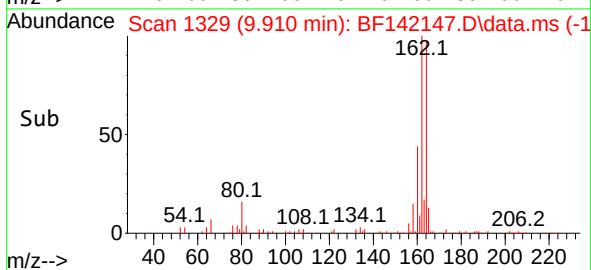
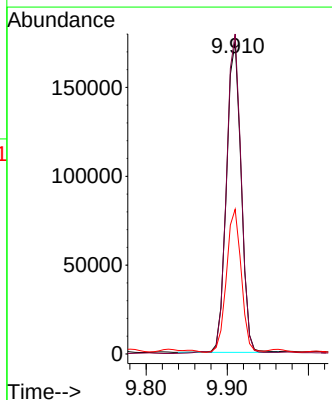
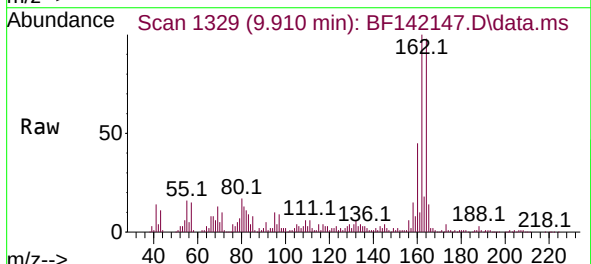
Instrument :
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 ClientSampleId :
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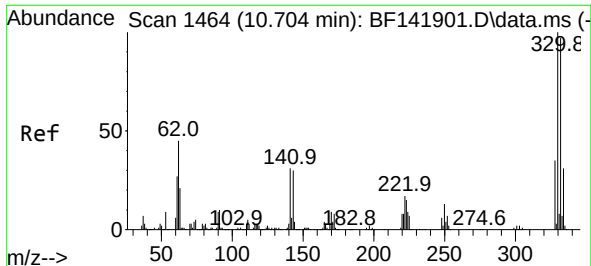
Tgt Ion:113 Resp: 17068
 Ion Ratio Lower Upper
 113 100
 55 300.6 129.6 169.6#
 56 236.4 104.0 144.0#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.910 min Scan# 1329
 Delta R.T. -0.006 min
 Lab File: BF142147.D
 Acq: 28 Mar 2025 02:06

Tgt Ion:164 Resp: 220122
 Ion Ratio Lower Upper
 164 100
 162 102.4 81.8 122.6
 160 46.3 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 14.616 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF142147.D

Acq: 28 Mar 2025 02:06

Instrument :

BNA_F

ClientSampleId :

HR-01-032425

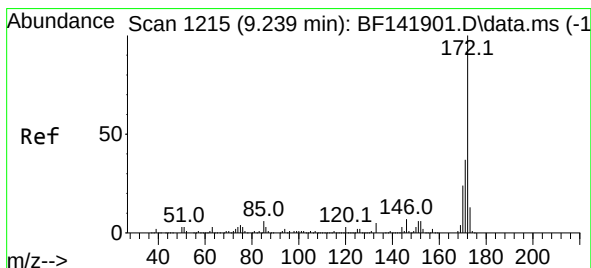
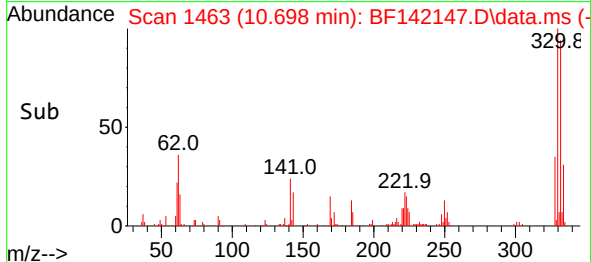
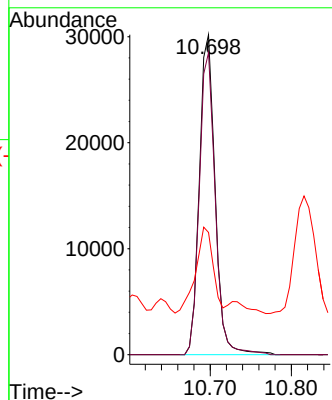
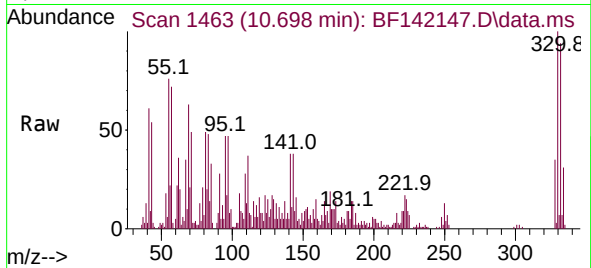
Tgt Ion:330 Resp: 40817

Ion Ratio Lower Upper

330 100

332 95.3 77.6 116.4

141 29.5 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 16.010 ng

RT: 9.227 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142147.D

Acq: 28 Mar 2025 02:06

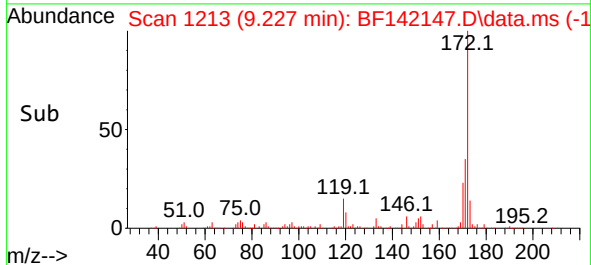
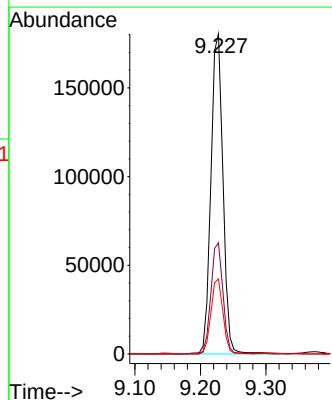
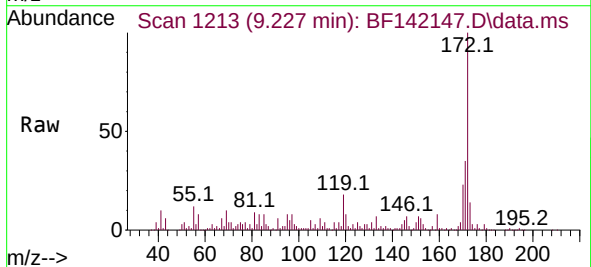
Tgt Ion:172 Resp: 231722

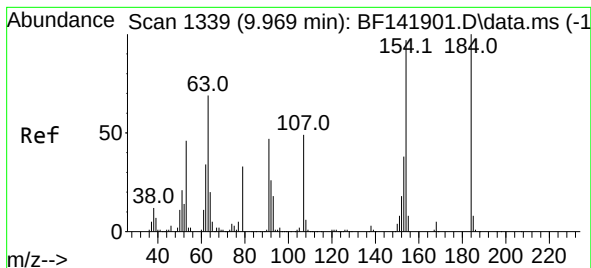
Ion Ratio Lower Upper

172 100

171 34.7 29.3 43.9

170 23.5 19.4 29.0





#54

2,4-Dinitrophenol

Concen: 6.603 ng

RT: 9.945 min Scan# 11

Delta R.T. -0.024 min

Lab File: BF142147.D

Acq: 28 Mar 2025 02:06

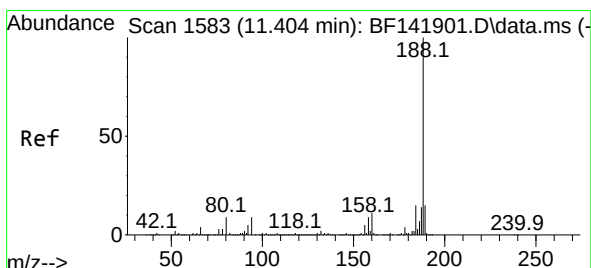
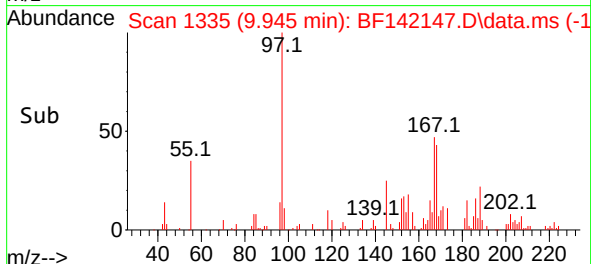
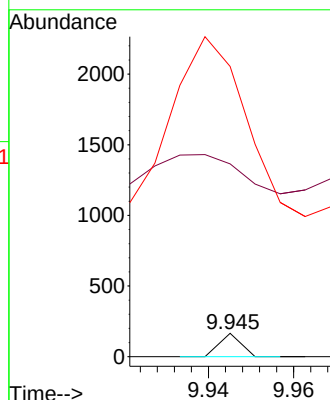
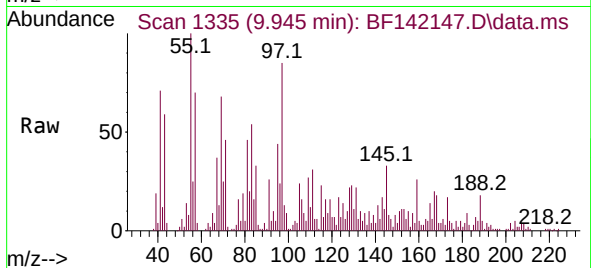
Instrument :

BNA_F

ClientSampleId :

HR-01-032425

Tgt Ion:184	Resp:	58
Ion	Ratio	Lower Upper
184	100	
63	827.3	60.2 90.4#
154	1244.8	132.9 199.3#



#64

Phenanthrene-d10

Concen: 20.000 ng

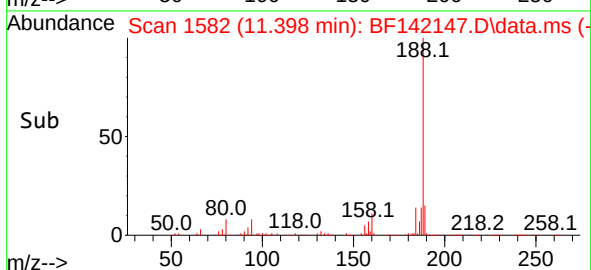
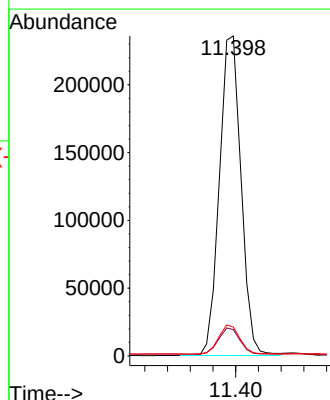
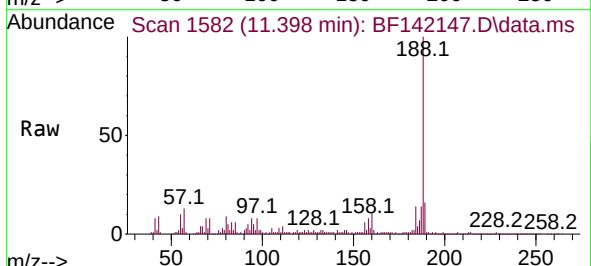
RT: 11.398 min Scan# 1582

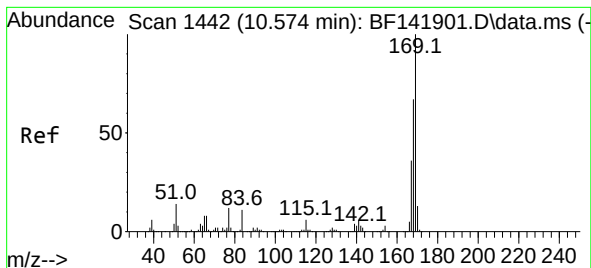
Delta R.T. -0.006 min

Lab File: BF142147.D

Acq: 28 Mar 2025 02:06

Tgt Ion:188	Resp:	312303
Ion	Ratio	Lower Upper
188	100	
94	8.2	6.8 10.2
80	9.1	7.6 11.4

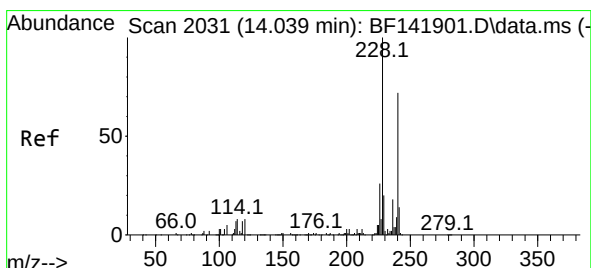
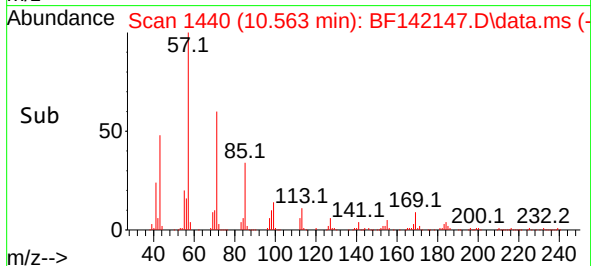
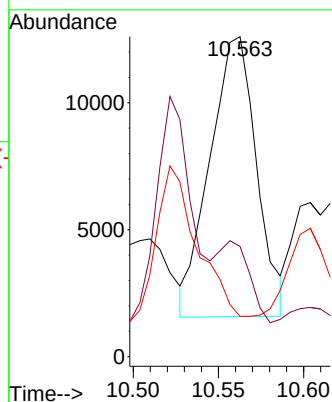
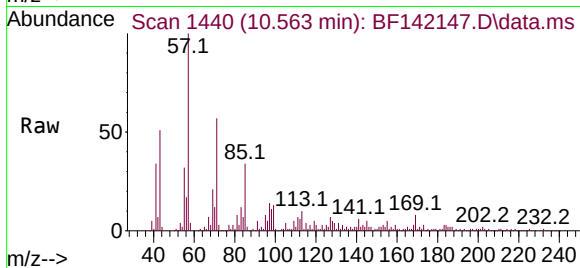




#66
 n-Nitrosodiphenylamine
 Concen: 2.079 ng
 RT: 10.563 min Scan# 1440
 Delta R.T. -0.012 min
 Lab File: BF142147.D
 Acq: 28 Mar 2025 02:06

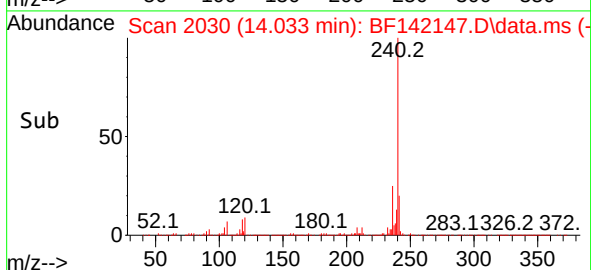
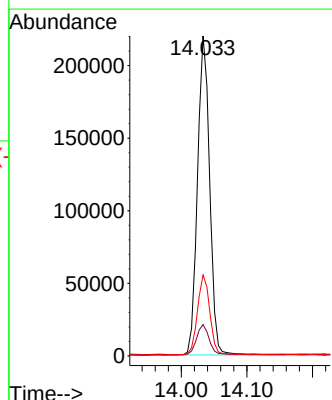
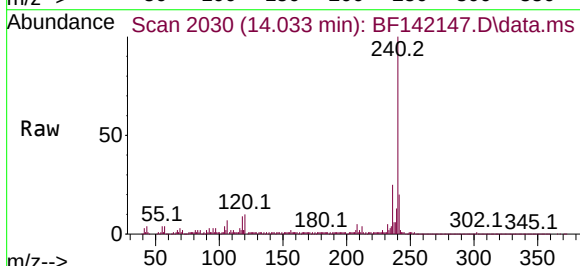
Instrument :
 BNA_F
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 HR-01-032425

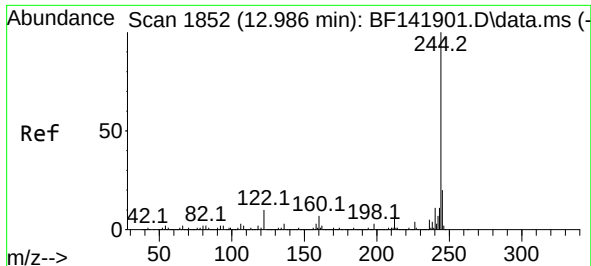
Tgt Ion:169 Resp: 21015
 Ion Ratio Lower Upper
 169 100
 168 34.4 53.7 80.5#
 167 12.6 29.2 43.8#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.033 min Scan# 2030
 Delta R.T. -0.006 min
 Lab File: BF142147.D
 Acq: 28 Mar 2025 02:06

Tgt Ion:240 Resp: 284160
 Ion Ratio Lower Upper
 240 100
 120 9.8 8.4 12.6
 236 25.3 20.5 30.7

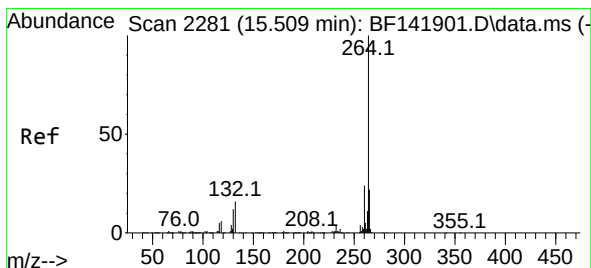
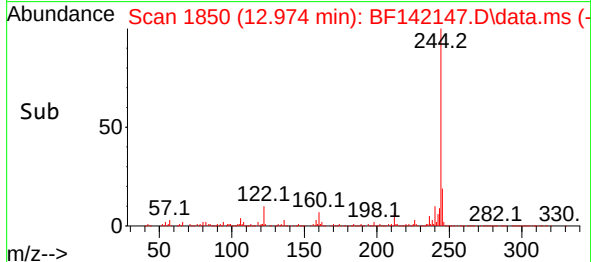
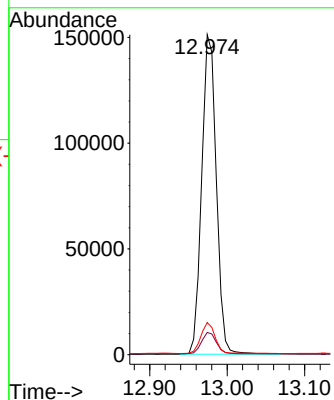
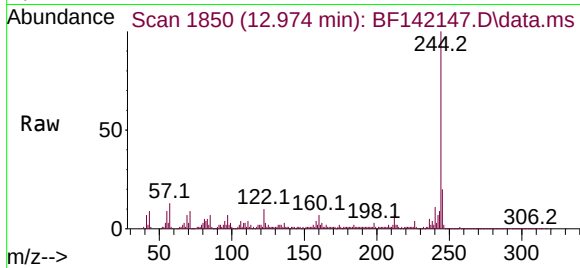




#79
 Terphenyl-d14
 Concen: 10.284 ng
 RT: 12.974 min Scan# 1850
 Delta R.T. -0.012 min
 Lab File: BF142147.D
 Acq: 28 Mar 2025 02:06

Instrument :
 BNA_F
 ClientSampleId :
 HR-01-032425

Tgt Ion:244 Resp: 197660
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 10.0 7.7 11.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.509 min Scan# 2281
 Delta R.T. -0.000 min
 Lab File: BF142147.D
 Acq: 28 Mar 2025 02:06

Tgt Ion:264 Resp: 202759
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.1 28.7
 265 22.2 17.5 26.3

