

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
 Data File : BF141943.D
 Acq On : 13 Mar 2025 16:14
 Operator : RC/JU
 Sample : Q1539-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TAPIAL3-MW03D-031025-00-T1

Quant Time: Mar 13 16:47:28 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)

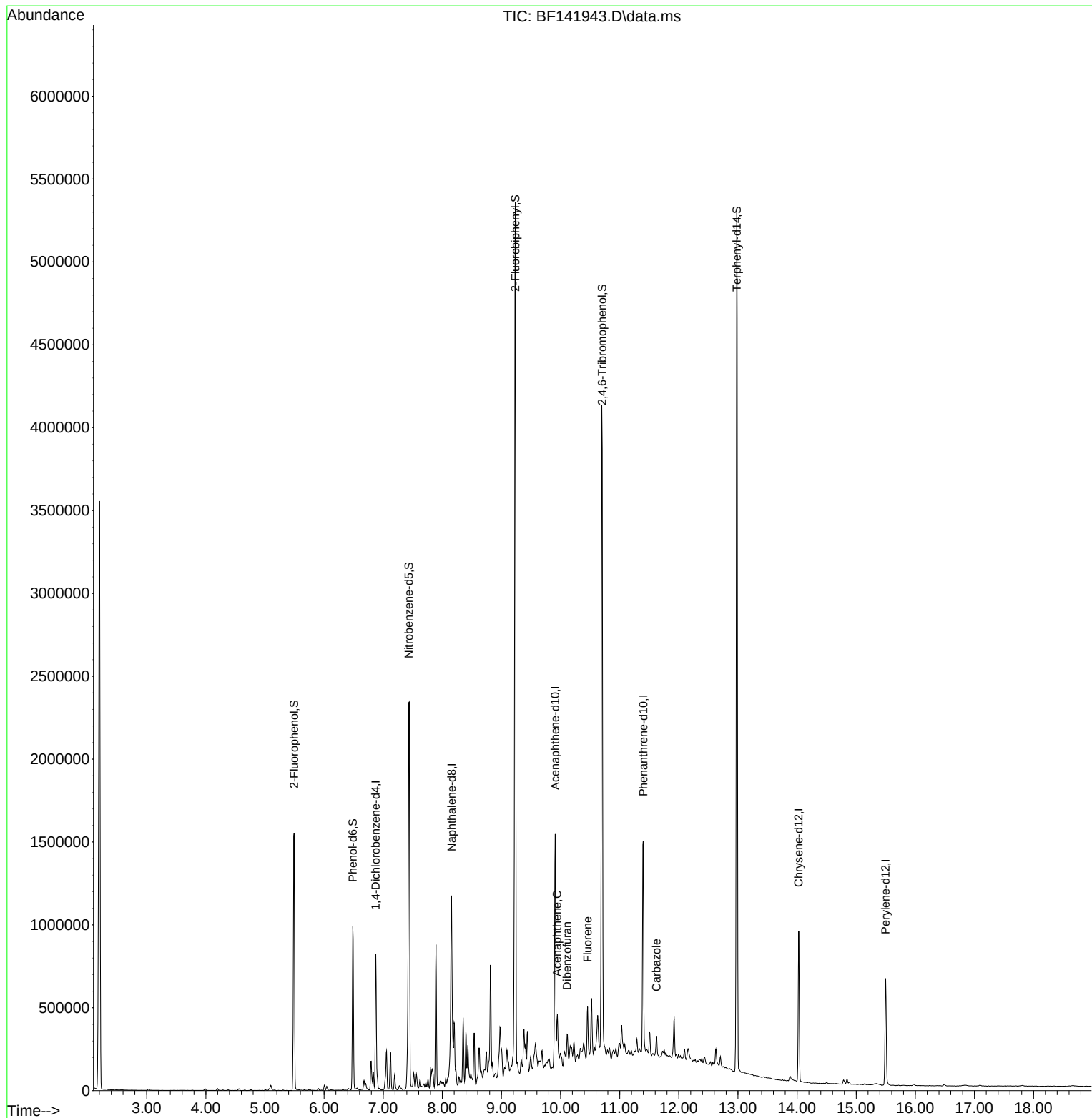
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	170628	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	672168	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	390587	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	678228	20.000	ng	0.00
76) Chrysene-d12	14.027	240	432058	20.000	ng	-0.01
86) Perylene-d12	15.498	264	372025	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	600091	58.697	ng	0.00
7) Phenol-d6	6.487	99	461285	35.437	ng	-0.02
23) Nitrobenzene-d5	7.434	82	1194711	100.025	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	789341	159.298	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	2464310	95.952	ng	0.00
79) Terphenyl-d14	12.980	244	2674361	91.514	ng	0.00
Target Compounds						
						Qvalue
52) Acenaphthene	9.939	154	54270	2.353	ng	# 88
55) Dibenzofuran	10.110	168	85562	2.596	ng	99
58) Fluorene	10.457	166	112667	4.432	ng	99
73) Carbazole	11.621	167	69087	2.180	ng	99

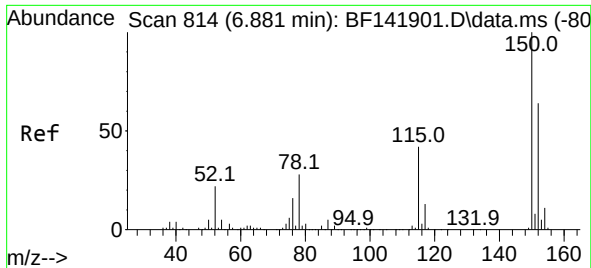
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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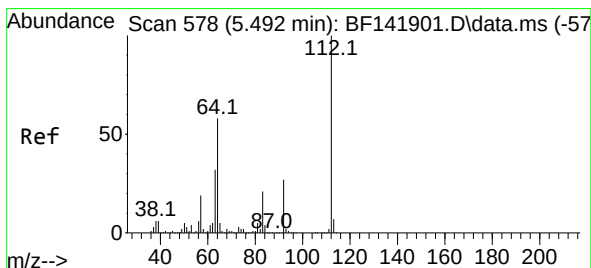
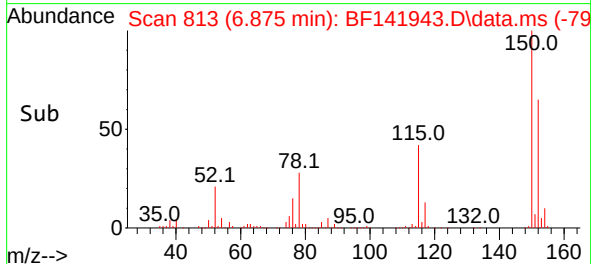
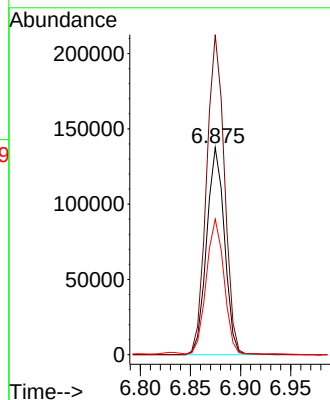
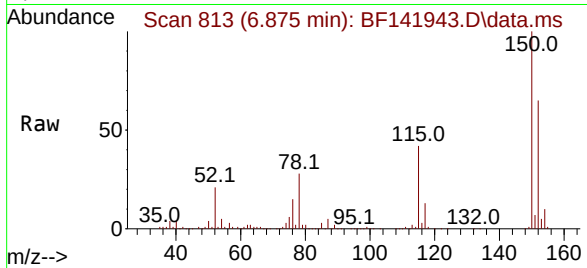




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF141943.D
Acq: 13 Mar 2025 16:14

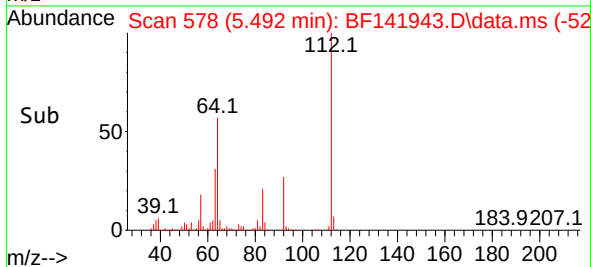
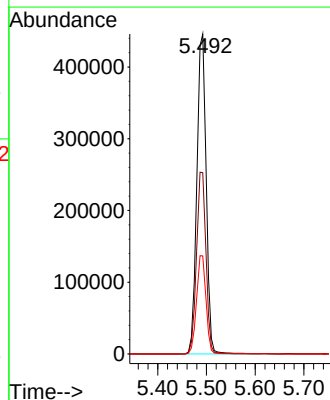
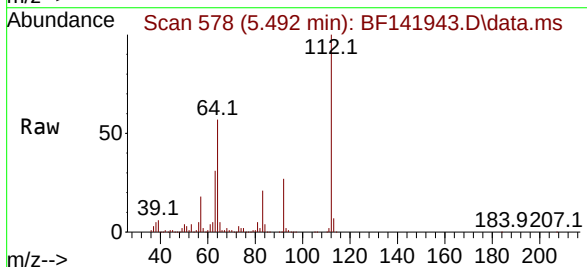
Instrument :
BNA_F
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

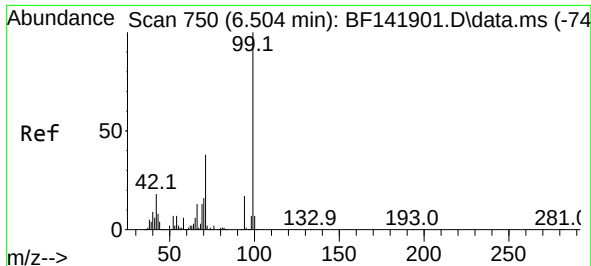
Tgt Ion:152 Resp: 170628
Ion Ratio Lower Upper
152 100
150 154.6 127.4 191.2
115 65.5 51.9 77.9



#5
2-Fluorophenol
Concen: 58.697 ng
RT: 5.492 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF141943.D
Acq: 13 Mar 2025 16:14

Tgt Ion:112 Resp: 600091
Ion Ratio Lower Upper
112 100
64 56.7 46.5 69.7
63 30.6 25.4 38.2

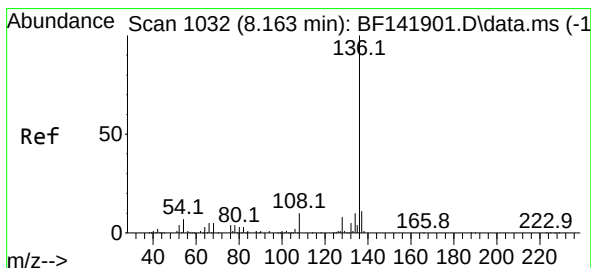
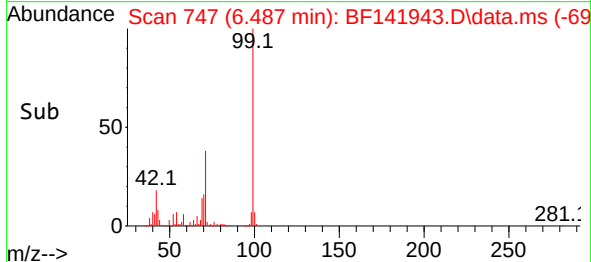
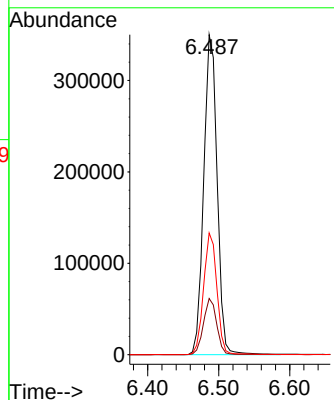
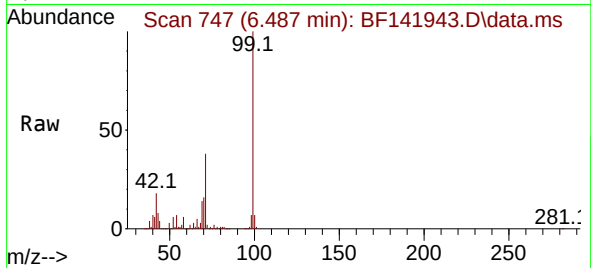




#7
Phenol-d6
Concen: 35.437 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF141943.D
Acq: 13 Mar 2025 16:14

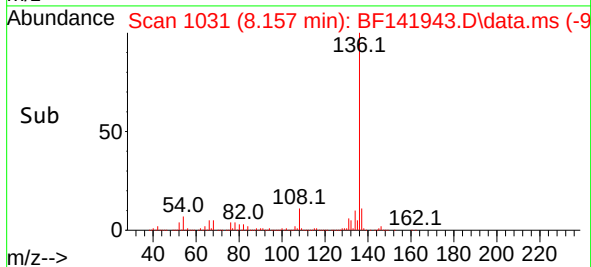
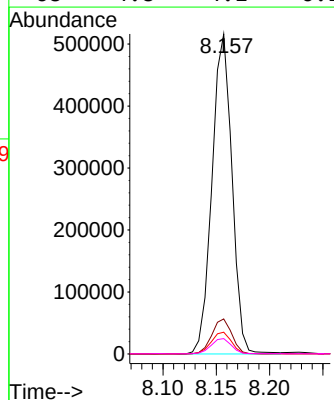
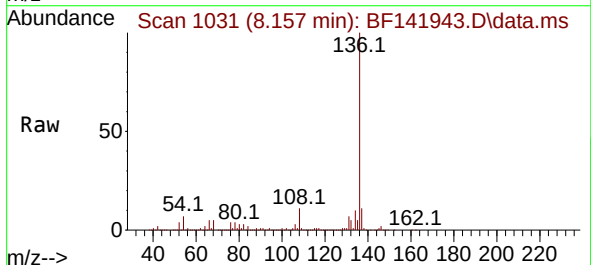
Instrument :
BNA_F
ClientSampleId :
TAPIAL3-MW03D-031025-00-T1

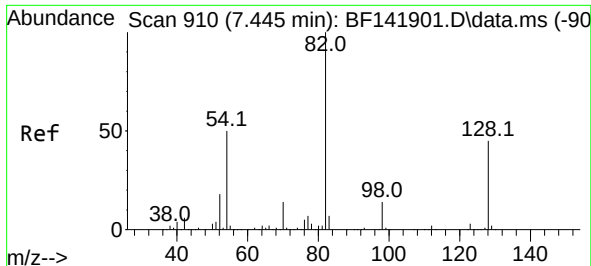
Tgt Ion: 99 Resp: 461285
Ion Ratio Lower Upper
99 100
42 17.6 14.6 21.8
71 38.1 30.8 46.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141943.D
Acq: 13 Mar 2025 16:14

Tgt Ion: 136 Resp: 672168
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 6.8 5.8 8.8
68 4.8 4.1 6.1





#23

Nitrobenzene-d5

Concen: 100.025 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF141943.D

Acq: 13 Mar 2025 16:14

Instrument :

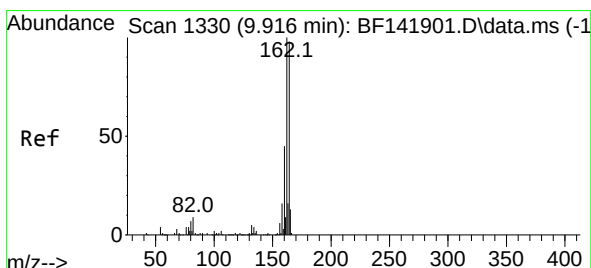
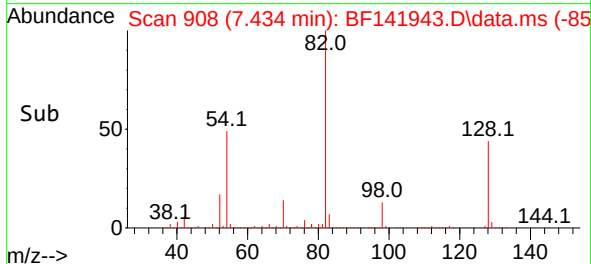
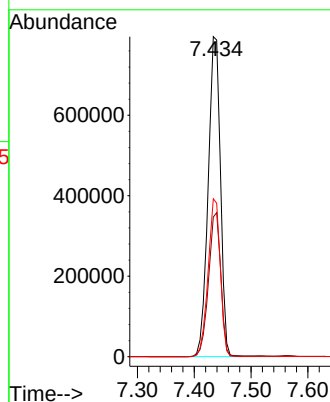
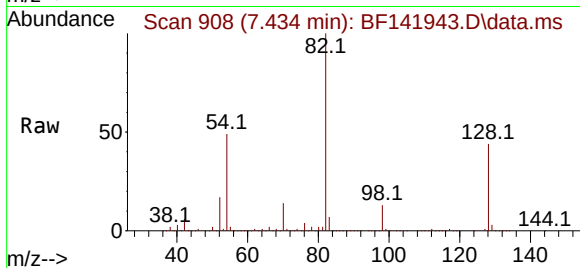
BNA_F

ClientSampleId :

TAPIAL3-MW03D-031025-00-T1

Tgt Ion: 82 Resp: 1194711

Ion	Ratio	Lower	Upper
82	100		
128	43.7	36.0	54.0
54	49.4	39.6	59.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

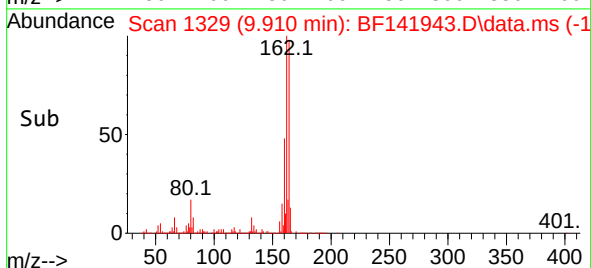
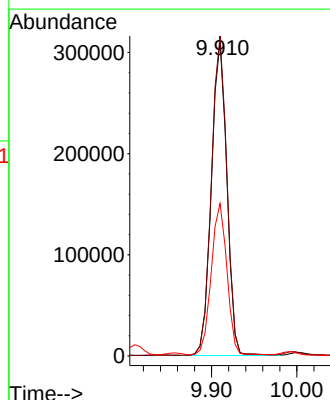
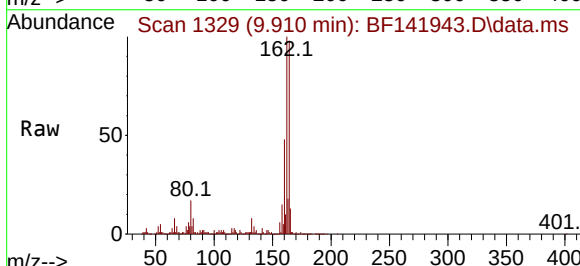
Delta R.T. -0.006 min

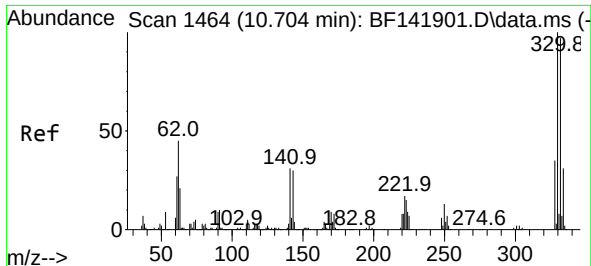
Lab File: BF141943.D

Acq: 13 Mar 2025 16:14

Tgt Ion:164 Resp: 390587

Ion	Ratio	Lower	Upper
164	100		
162	101.8	81.8	122.6
160	48.5	36.7	55.1





#42

2,4,6-Tribromophenol

Concen: 159.298 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.000 min

Lab File: BF141943.D

Acq: 13 Mar 2025 16:14

Instrument :

BNA_F

ClientSampleId :

TAPIAL3-MW03D-031025-00-T1

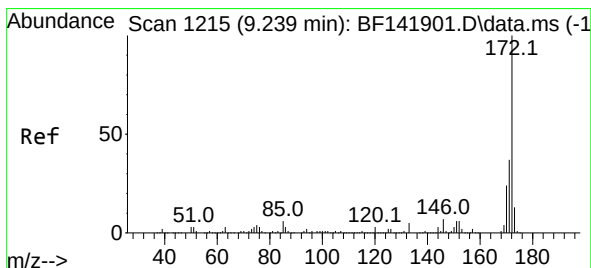
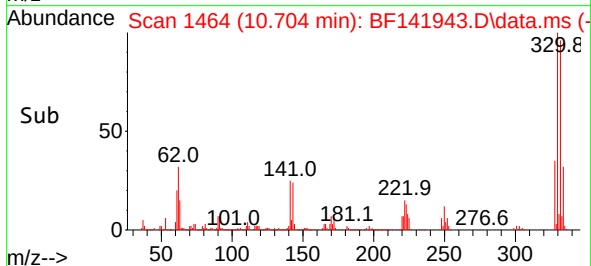
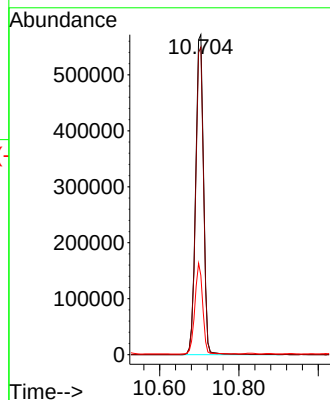
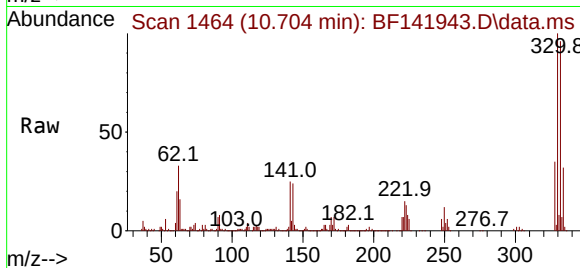
Tgt Ion:330 Resp: 789341

Ion Ratio Lower Upper

330 100

332 96.2 77.6 116.4

141 27.9 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 95.952 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF141943.D

Acq: 13 Mar 2025 16:14

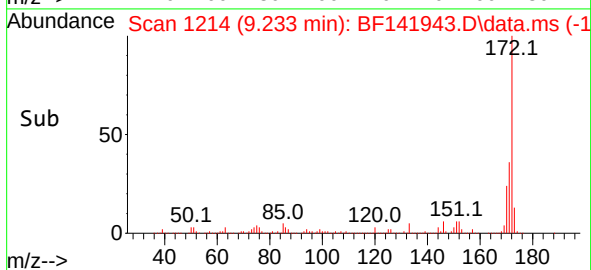
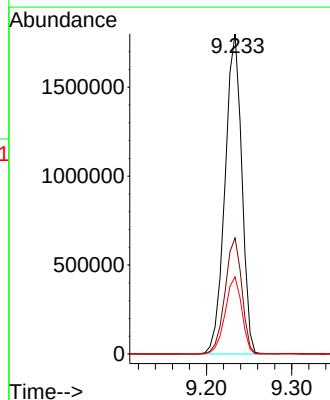
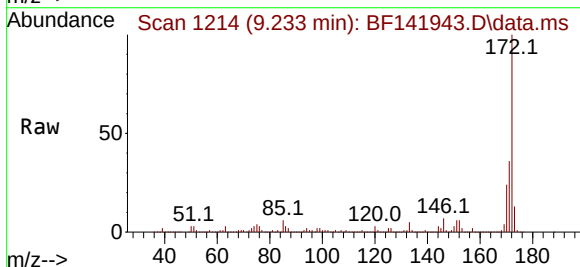
Tgt Ion:172 Resp: 2464310

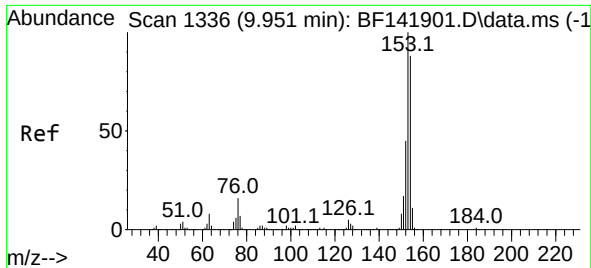
Ion Ratio Lower Upper

172 100

171 36.3 29.3 43.9

170 24.1 19.4 29.0

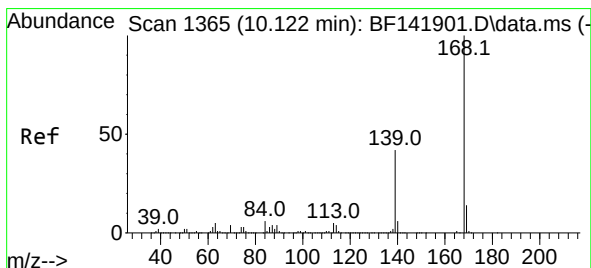
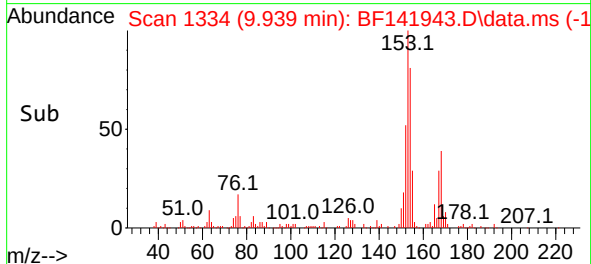
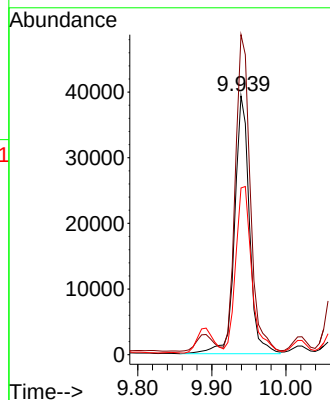
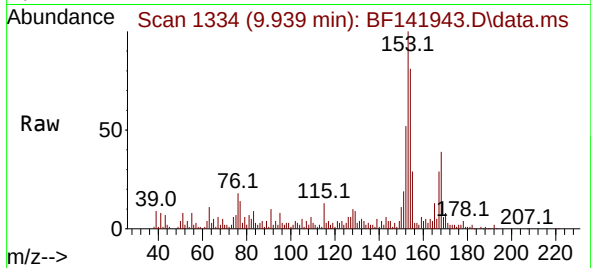




#52
Acenaphthene
Concen: 2.353 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141943.D
Acq: 13 Mar 2025 16:14

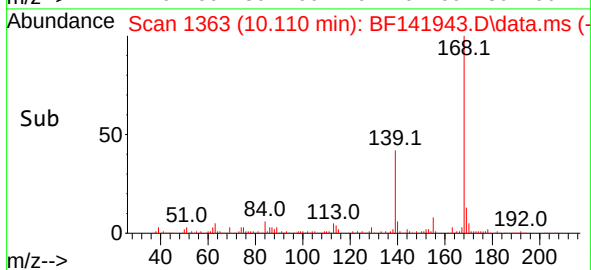
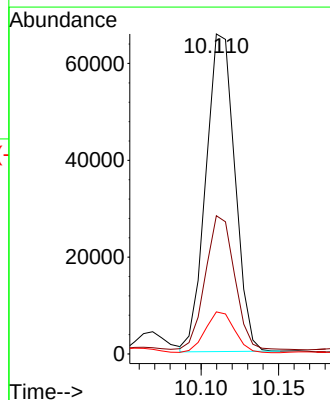
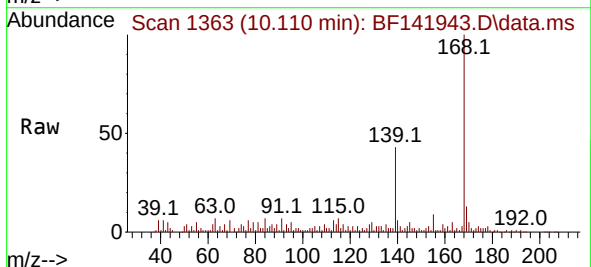
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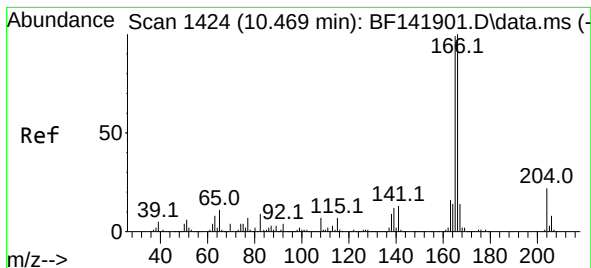
Tgt Ion:154 Resp: 54270
Ion Ratio Lower Upper
154 100
153 123.7 90.7 136.1
152 64.5 41.1 61.7#



#55
Dibenzofuran
Concen: 2.596 ng
RT: 10.110 min Scan# 1363
Delta R.T. -0.012 min
Lab File: BF141943.D
Acq: 13 Mar 2025 16:14

Tgt Ion:168 Resp: 85562
Ion Ratio Lower Upper
168 100
139 43.2 33.9 50.9
169 13.1 11.0 16.4





#58

Fluorene

Concen: 4.432 ng

RT: 10.457 min Scan# 1424

Delta R.T. -0.012 min

Lab File: BF141943.D

Acq: 13 Mar 2025 16:14

Instrument :

BNA_F

ClientSampleId :

TAPIAL3-MW03D-031025-00-T1

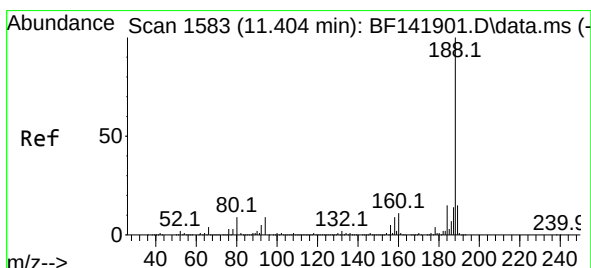
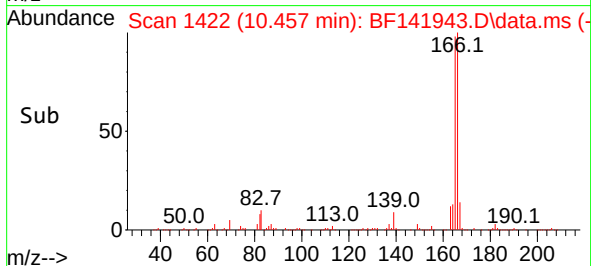
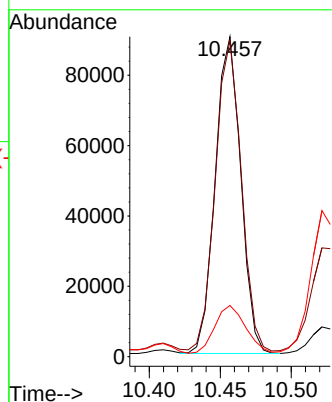
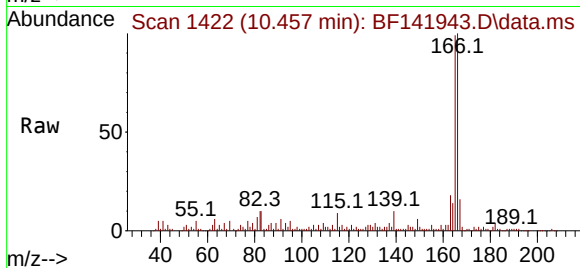
Tgt Ion:166 Resp: 112667

Ion Ratio Lower Upper

166 100

165 98.8 79.0 118.4

167 16.0 11.0 16.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF141943.D

Acq: 13 Mar 2025 16:14

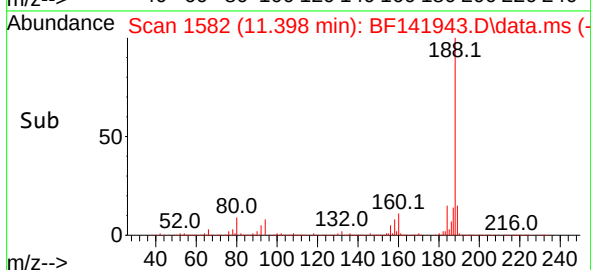
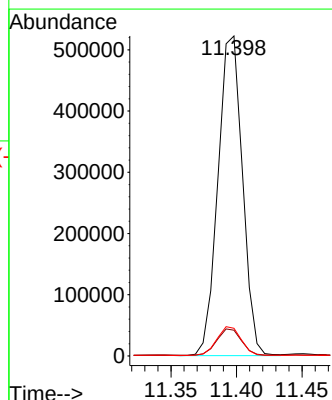
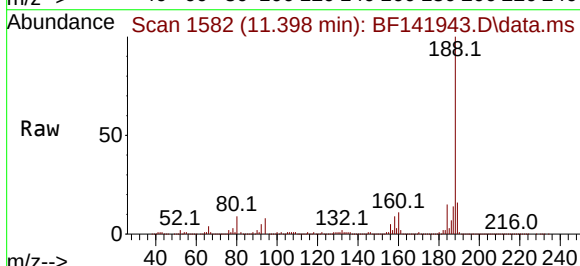
Tgt Ion:188 Resp: 678228

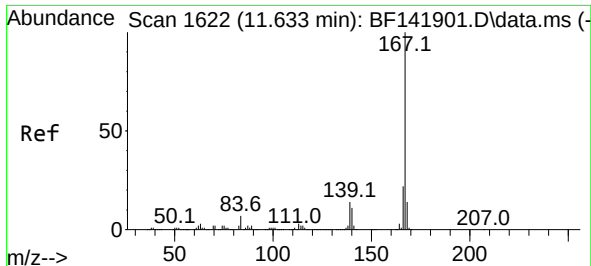
Ion Ratio Lower Upper

188 100

94 8.0 6.8 10.2

80 8.7 7.6 11.4

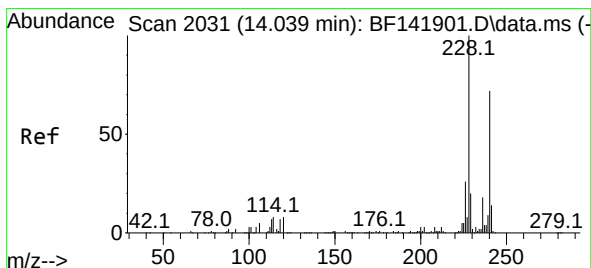
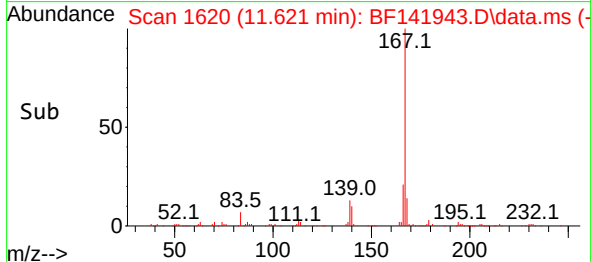
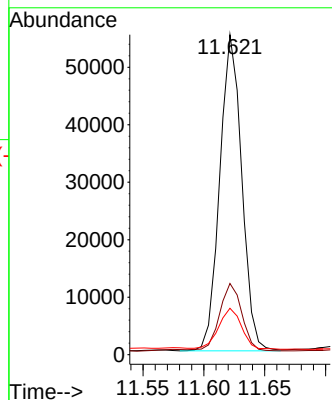
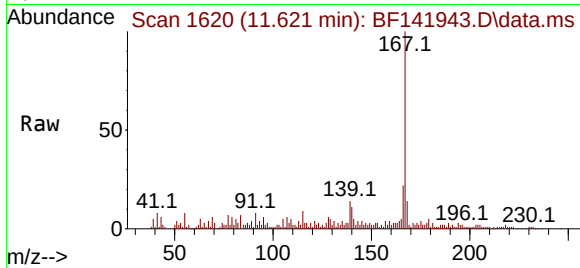




#73
 Carbazole
 Concen: 2.180 ng
 RT: 11.621 min Scan# 1
 Delta R.T. -0.012 min
 Lab File: BF141943.D
 Acq: 13 Mar 2025 16:14

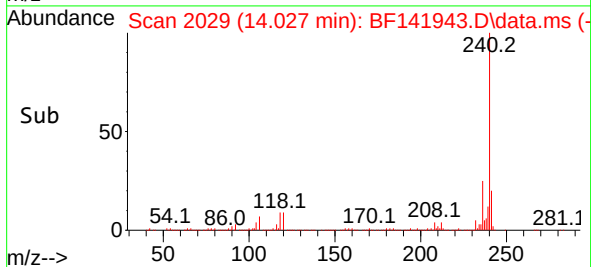
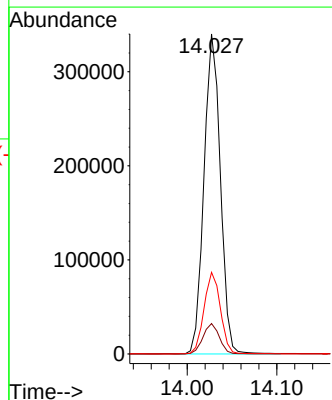
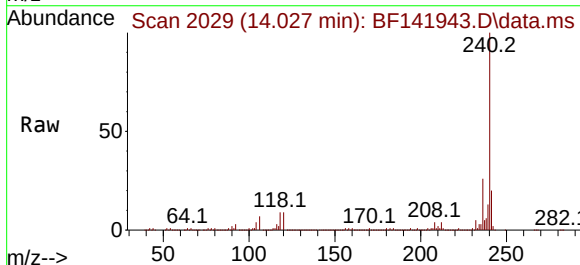
Instrument :
 BNA_F
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 TAPIAL3-MW03D-031025-00-T1

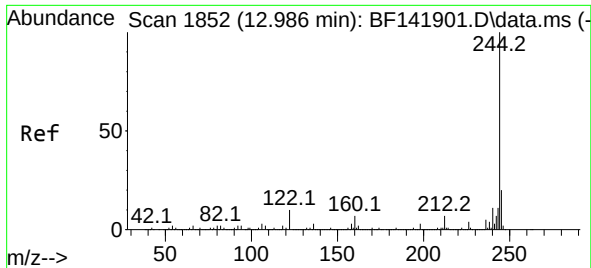
Tgt Ion:167	Resp:	69087
Ion Ratio	Lower	Upper
167	100	
166	22.3	17.4 26.2
139	14.5	11.0 16.6



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.027 min Scan# 2029
 Delta R.T. -0.012 min
 Lab File: BF141943.D
 Acq: 13 Mar 2025 16:14

Tgt Ion:240	Resp:	432058
Ion Ratio	Lower	Upper
240	100	
120	9.5	8.4 12.6
236	25.5	20.5 30.7

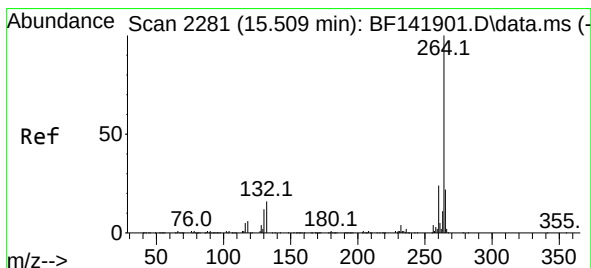
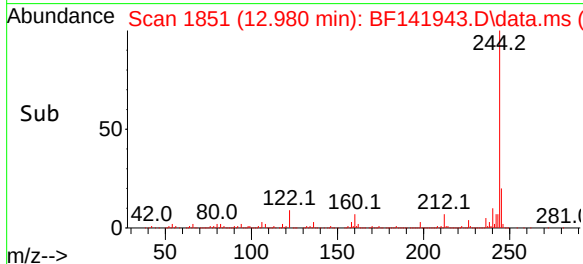
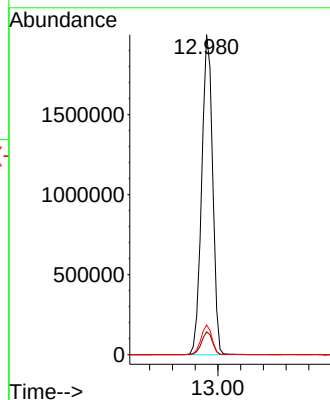
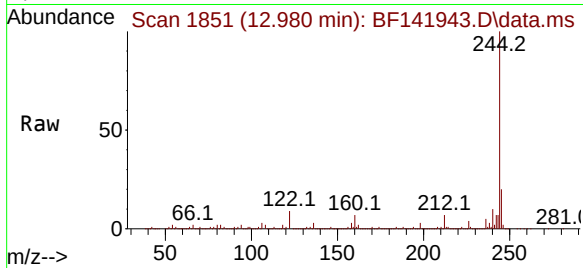




#79
 Terphenyl-d14
 Concen: 91.514 ng
 RT: 12.980 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF141943.D
 Acq: 13 Mar 2025 16:14

Instrument :
 BNA_F
 ClientSampleId :
 TAPIAL3-MW03D-031025-00-T1

Tgt Ion:244 Resp: 2674361
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 9.3 7.7 11.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.498 min Scan# 2279
 Delta R.T. -0.012 min
 Lab File: BF141943.D
 Acq: 13 Mar 2025 16:14

Tgt Ion:264 Resp: 372025
 Ion Ratio Lower Upper
 264 100
 260 22.7 19.1 28.7
 265 21.3 17.5 26.3

