

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141369.D
 Acq On : 03 Feb 2025 15:00
 Operator : RC/JU
 Sample : Q1239-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 348

Quant Time: Feb 03 15:21:01 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)

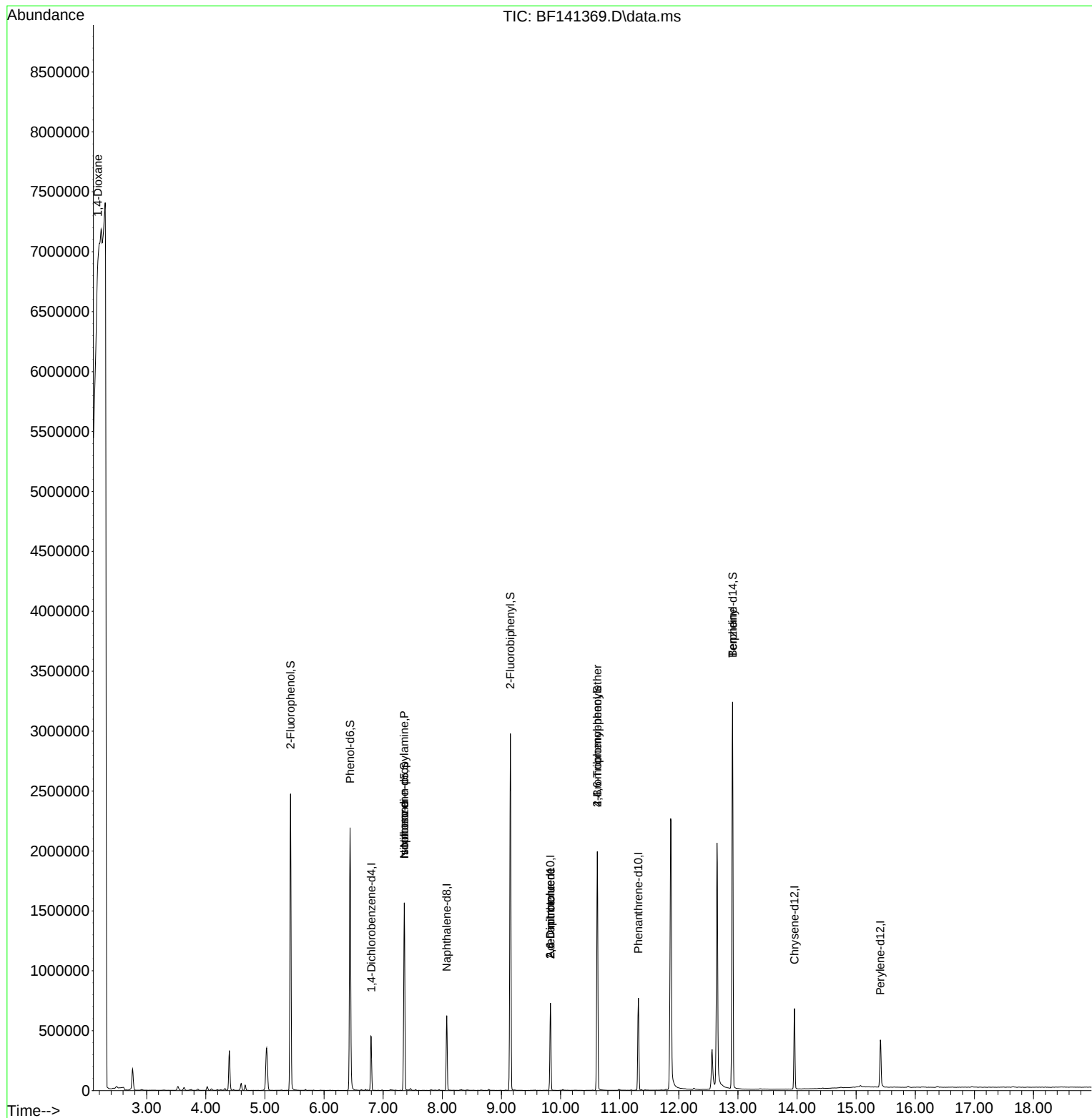
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	94453	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	382110	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	213568	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	383755	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	318642	20.000	ng	-0.02
86) Perylene-d12	15.410	264	219485	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	888246	144.372	ng	0.02
7) Phenol-d6	6.440	99	1035777	132.338	ng	0.00
23) Nitrobenzene-d5	7.357	82	699844	96.552	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	326938	166.982	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1331802	95.983	ng	-0.01
79) Terphenyl-d14	12.910	244	1642056	79.473	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.175	88	8330	3.079	ng	# 56
19) n-Nitroso-di-n-propyla...	7.357	70	96438	20.736	ng	# 76
25) Isophorone	7.357	82	694124	55.399	ng	# 64
51) 2,6-Dinitrotoluene	9.828	165	27643	8.254	ng	# 23
57) 2,4-Dinitrotoluene	9.828	165	27643	6.375	ng	# 23
67) 4-Bromophenyl-phenylether	10.622	248	22413	5.217	ng	# 1
77) Benzidine	12.910	184	21477	2.102	ng	# 91

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

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Misc :
ALS Vial : 10 Sample Multiplier: 1

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348

Quant Time: Feb 03 15:21:01 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

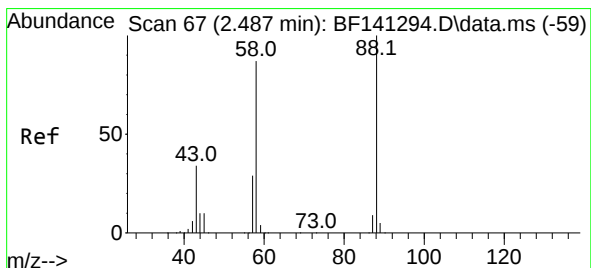
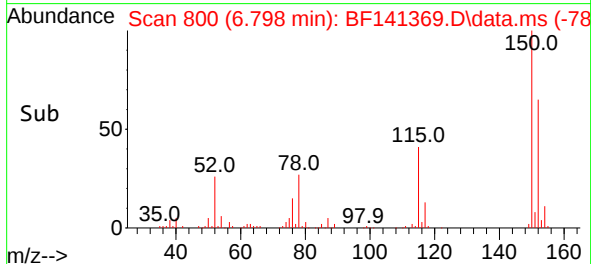
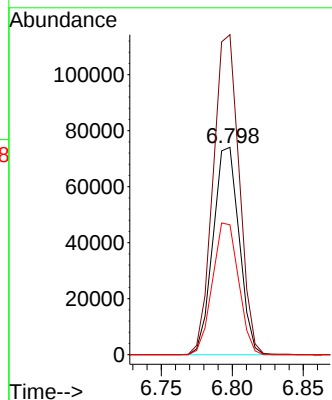
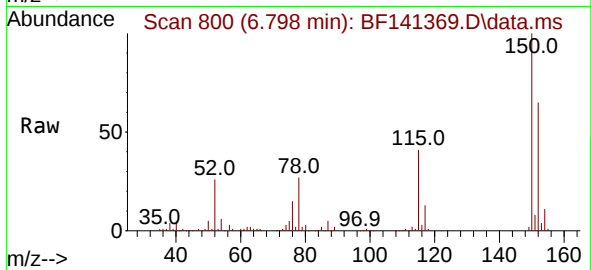




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BF141369.D
 Acq: 03 Feb 2025 15:00

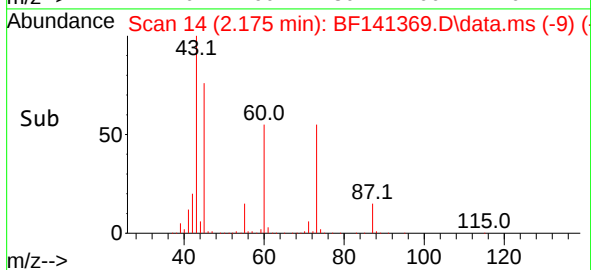
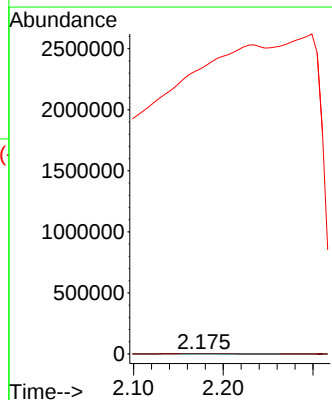
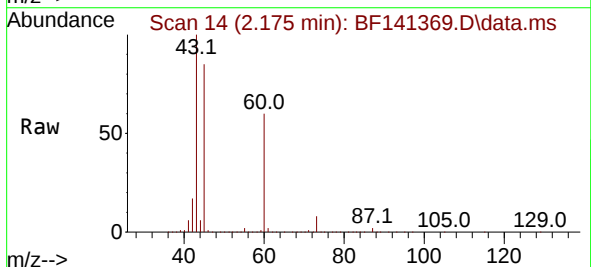
Instrument :
 BNA_F
 ClientSampleId :
 348

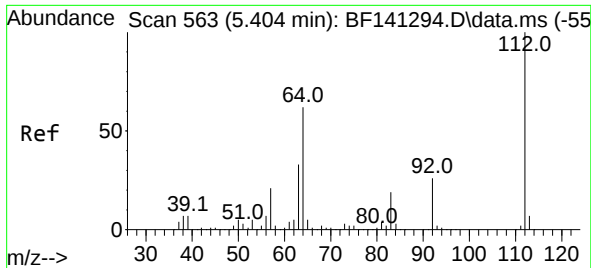
Tgt Ion:152 Resp: 94453
 Ion Ratio Lower Upper
 152 100
 150 154.3 125.9 188.9
 115 62.7 49.7 74.5



#2
 1,4-Dioxane
 Concen: 3.079 ng
 RT: 2.175 min Scan# 14
 Delta R.T. -0.318 min
 Lab File: BF141369.D
 Acq: 03 Feb 2025 15:00

Tgt Ion: 88 Resp: 8330
 Ion Ratio Lower Upper
 88 100
 58 52.5 70.2 105.4#
 43 0.0 27.6 41.4#

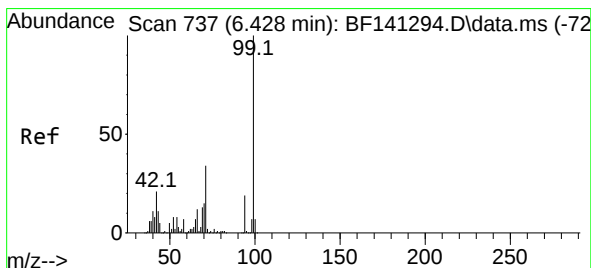
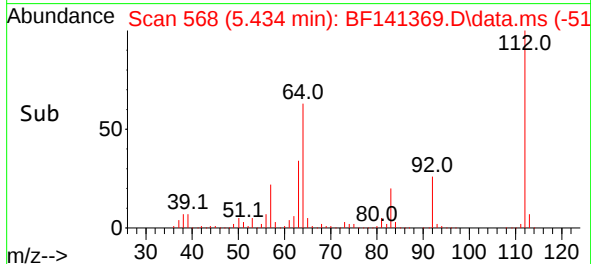
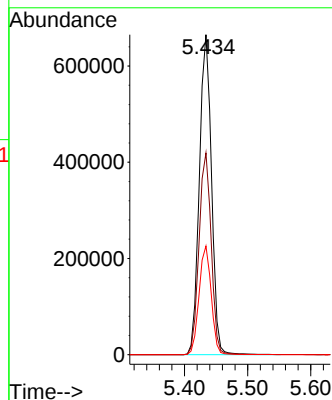
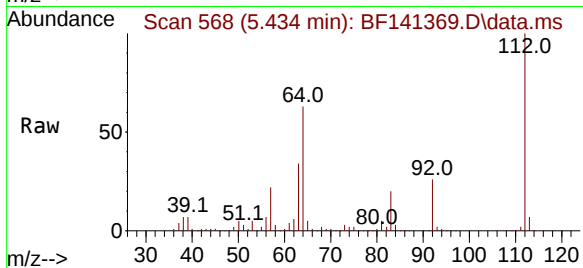




#5
2-Fluorophenol
Concen: 144.372 ng
RT: 5.434 min Scan# 501
Delta R.T. 0.023 min
Lab File: BF141369.D
Acq: 03 Feb 2025 15:00

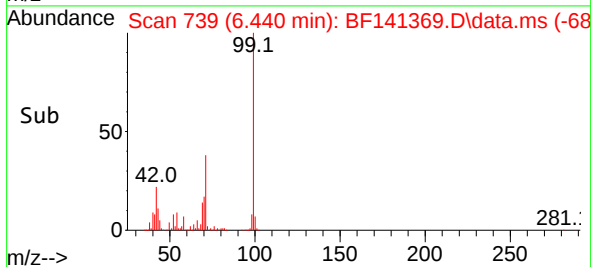
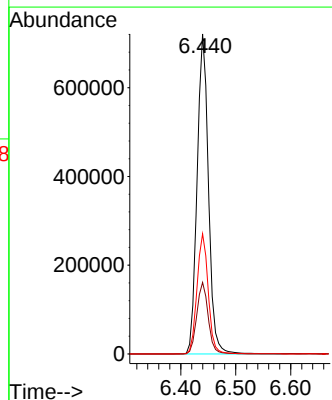
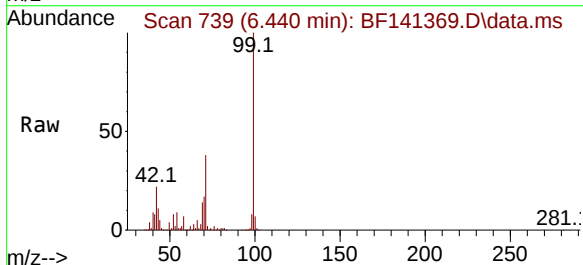
Instrument :
BNA_F
ClientSampleId :
348

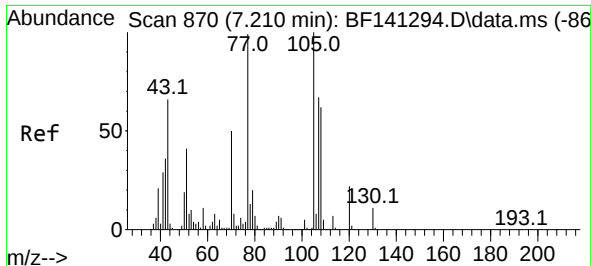
Tgt Ion:112 Resp: 888246
Ion Ratio Lower Upper
112 100
64 63.1 49.8 74.8
63 34.0 26.1 39.1



#7
Phenol-d6
Concen: 132.338 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.000 min
Lab File: BF141369.D
Acq: 03 Feb 2025 15:00

Tgt Ion: 99 Resp: 1035777
Ion Ratio Lower Upper
99 100
42 22.3 17.1 25.7
71 37.6 26.9 40.3

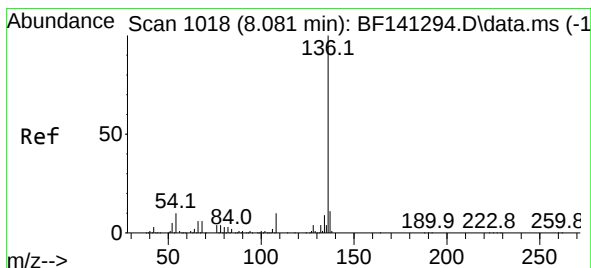
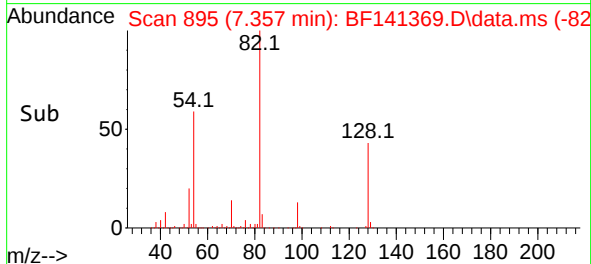
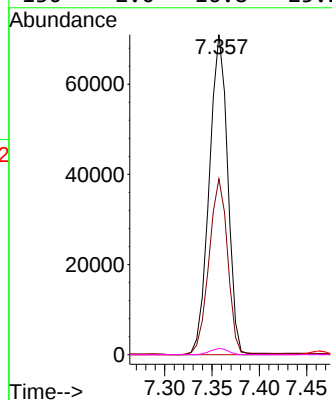
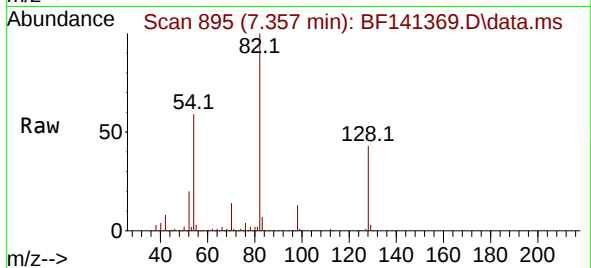




#19
n-Nitroso-di-n-propylamine
Concen: 20.736 ng
RT: 7.357 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF141369.D
Acq: 03 Feb 2025 15:00

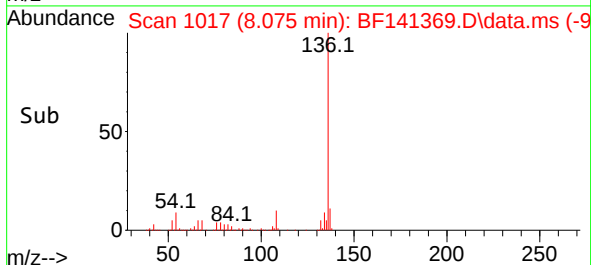
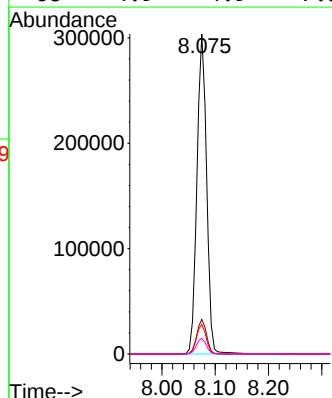
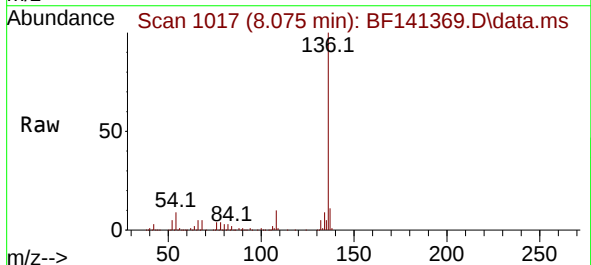
Instrument :
BNA_F
ClientSampleId :
348

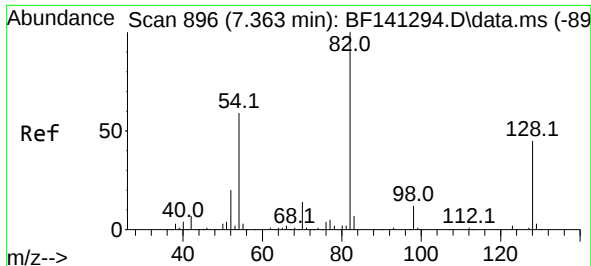
Tgt Ion: 70 Resp: 96438
Ion Ratio Lower Upper
70 100
42 54.9 56.8 85.2#
101 0.0 7.7 11.5#
130 2.0 16.8 25.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF141369.D
Acq: 03 Feb 2025 15:00

Tgt Ion: 136 Resp: 382110
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.2 7.8 11.8
68 4.9 4.9 7.3

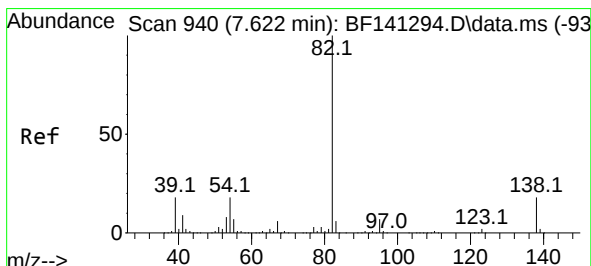
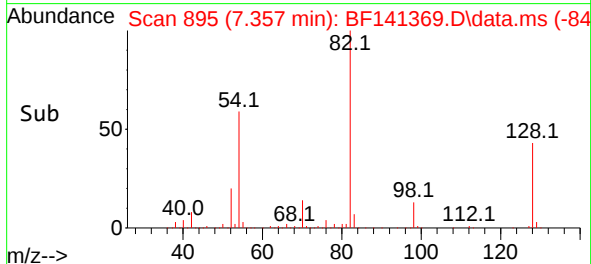
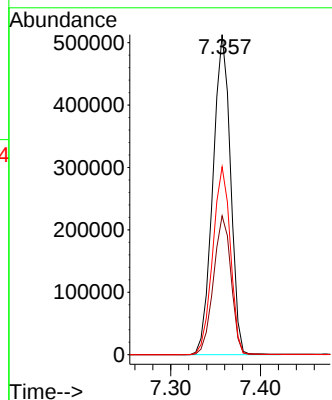
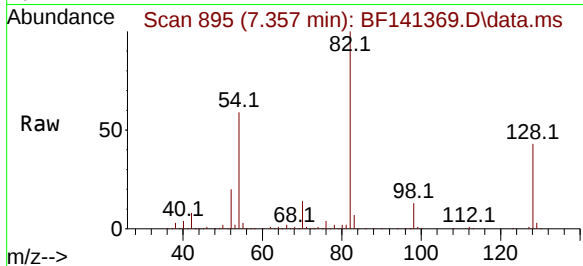




#23
Nitrobenzene-d5
Concen: 96.552 ng
RT: 7.357 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF141369.D
Acq: 03 Feb 2025 15:00

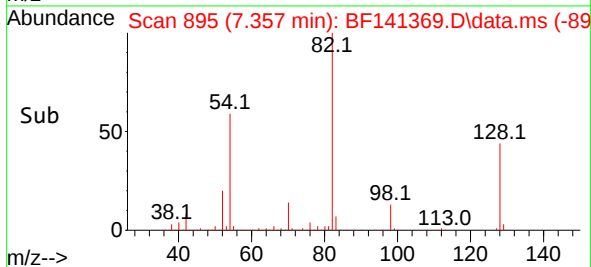
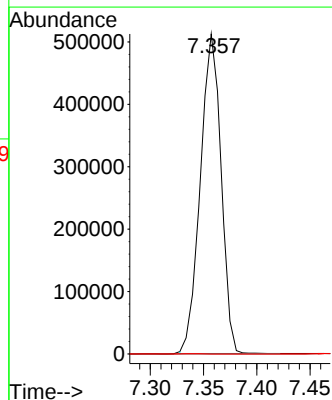
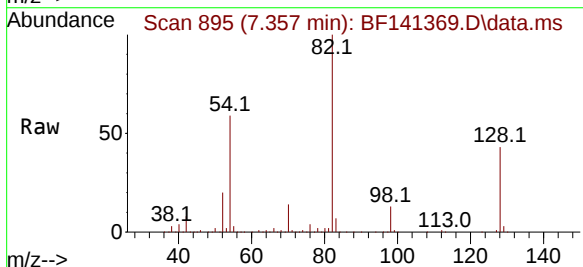
Instrument :
BNA_F
ClientSampleId :
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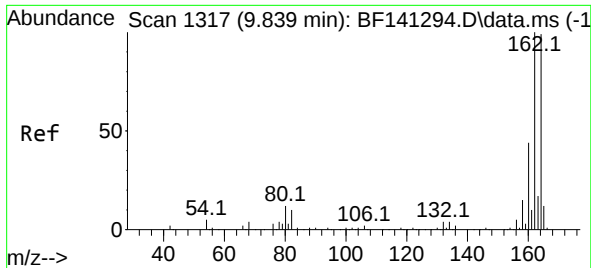
Tgt Ion: 82 Resp: 699844
Ion Ratio Lower Upper
82 100
128 43.4 35.7 53.5
54 58.7 47.1 70.7



#25
Isophorone
Concen: 55.399 ng
RT: 7.357 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF141369.D
Acq: 03 Feb 2025 15:00

Tgt Ion: 82 Resp: 694124
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.7 22.1#

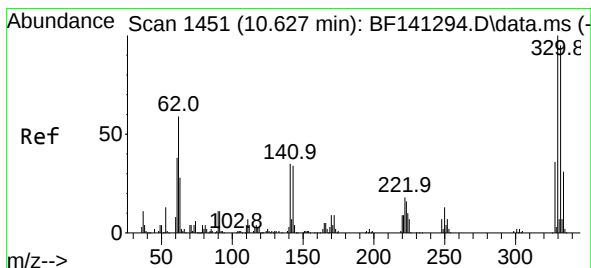
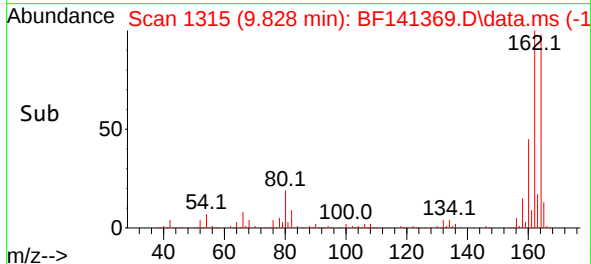
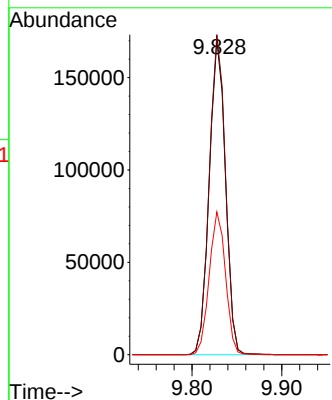
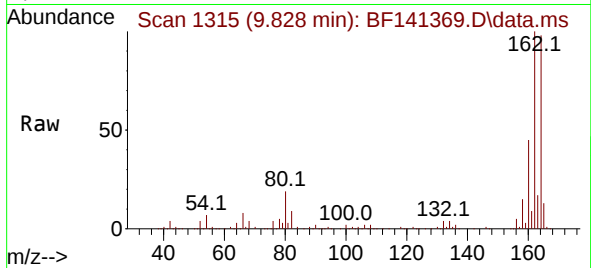




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141369.D
Acq: 03 Feb 2025 15:00

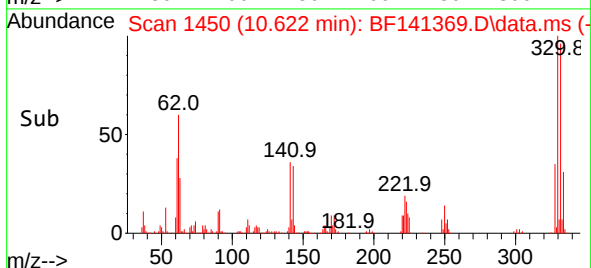
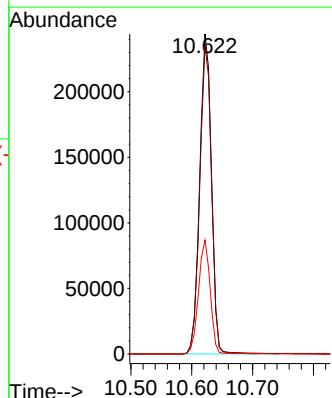
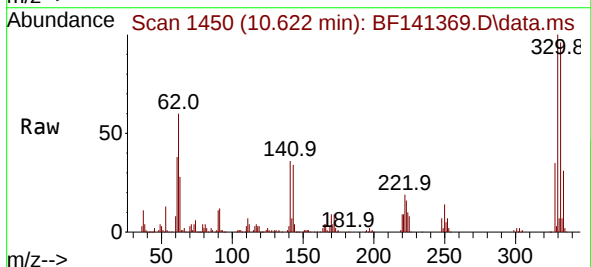
Instrument :
BNA_F
ClientSampleId :
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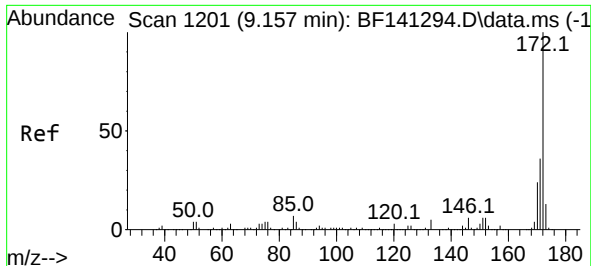
Tgt Ion:164 Resp: 213568
Ion Ratio Lower Upper
164 100
162 101.9 80.6 121.0
160 45.4 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 166.982 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF141369.D
Acq: 03 Feb 2025 15:00

Tgt Ion:330 Resp: 326938
Ion Ratio Lower Upper
330 100
332 96.4 76.1 114.1
141 35.6 28.8 43.2

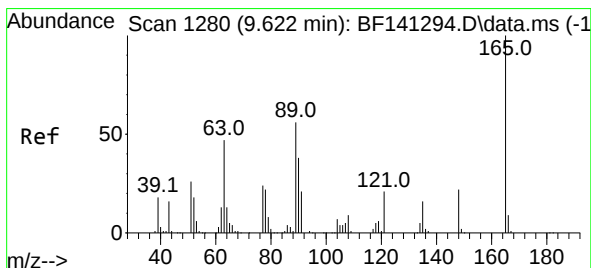
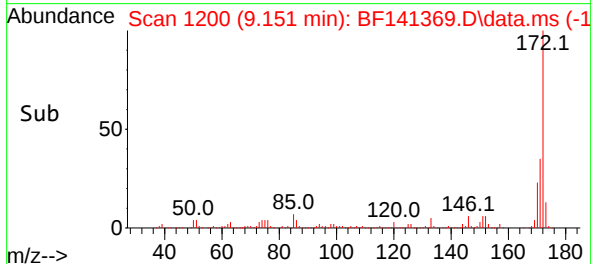
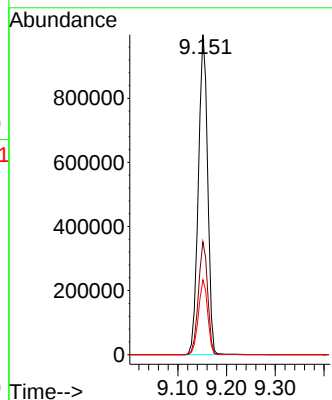
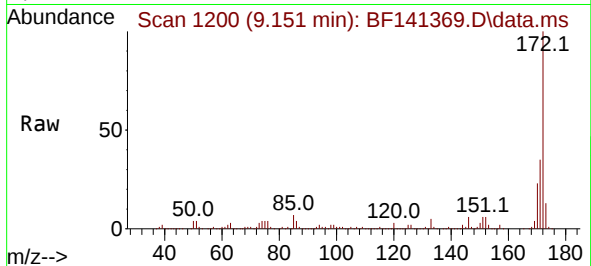




#45
2-Fluorobiphenyl
Concen: 95.983 ng
RT: 9.151 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141369.D
Acq: 03 Feb 2025 15:00

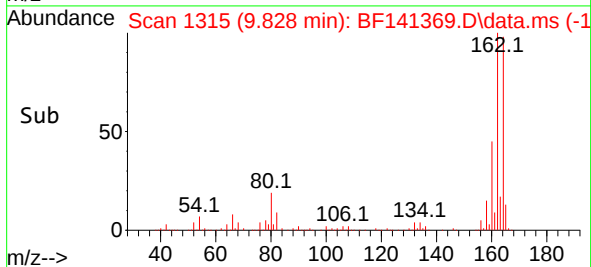
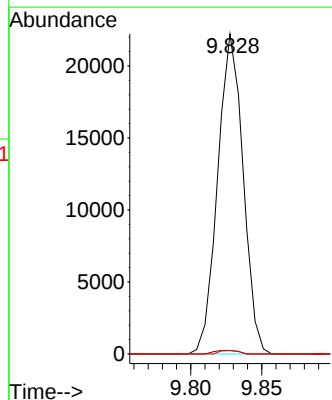
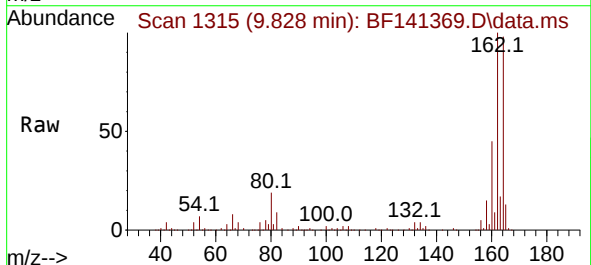
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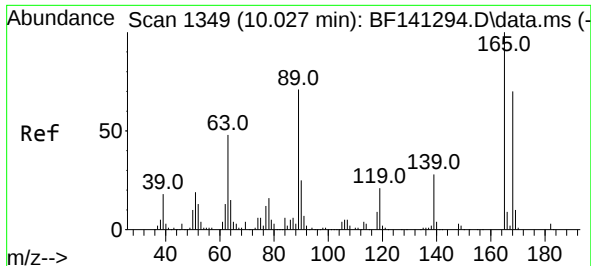
Tgt Ion:172 Resp: 1331802
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 23.4 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 8.254 ng
RT: 9.828 min Scan# 1315
Delta R.T. 0.200 min
Lab File: BF141369.D
Acq: 03 Feb 2025 15:00

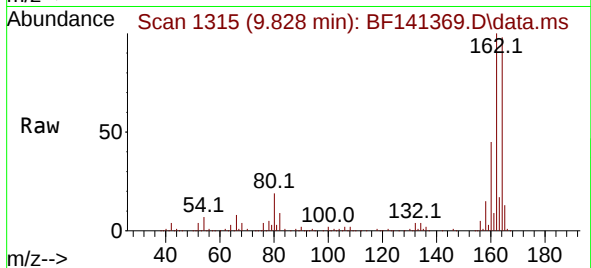
Tgt Ion:165 Resp: 27643
Ion Ratio Lower Upper
165 100
63 1.1 48.1 72.1#
89 1.1 44.9 67.3#



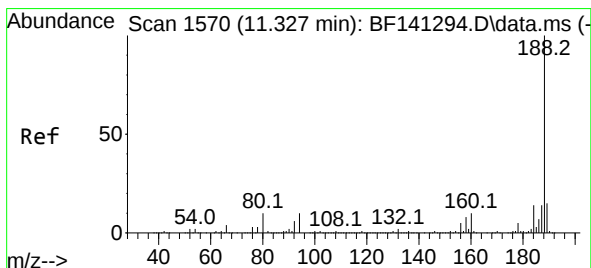
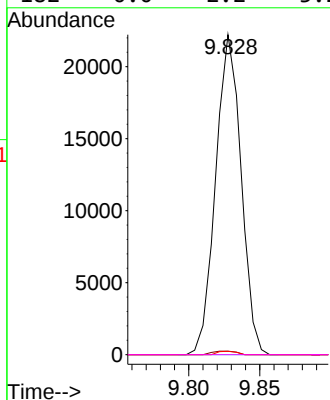
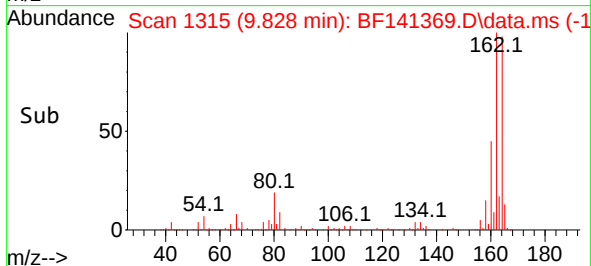


#57
2,4-Dinitrotoluene
Concen: 6.375 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF141369.D
Acq: 03 Feb 2025 15:00

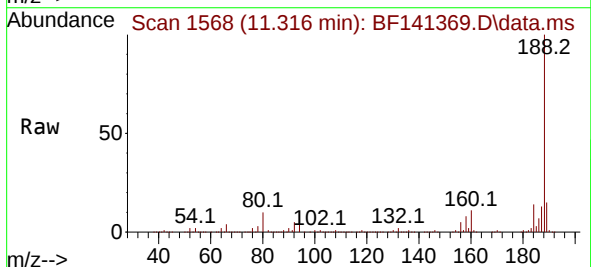
Instrument :
BNA_F
ClientSampleId :
348



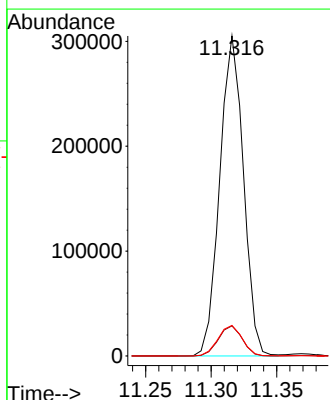
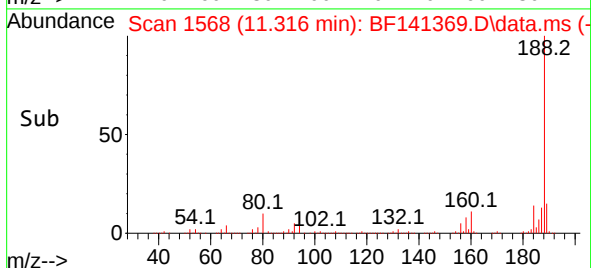
Tgt Ion:165 Resp: 27643
Ion Ratio Lower Upper
165 100
63 1.1 39.2 58.8#
89 1.1 56.9 85.3#
182 0.0 2.2 3.2#

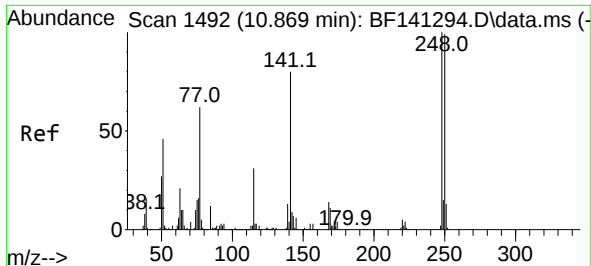


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141369.D
Acq: 03 Feb 2025 15:00



Tgt Ion:188 Resp: 383755
Ion Ratio Lower Upper
188 100
94 9.4 7.8 11.6
80 9.5 8.2 12.4

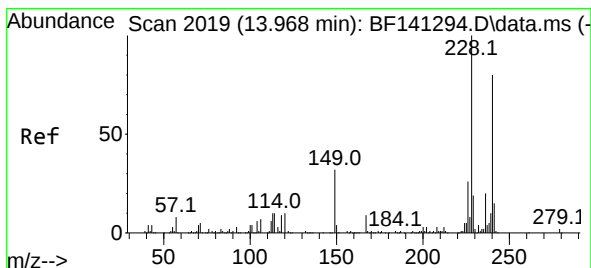
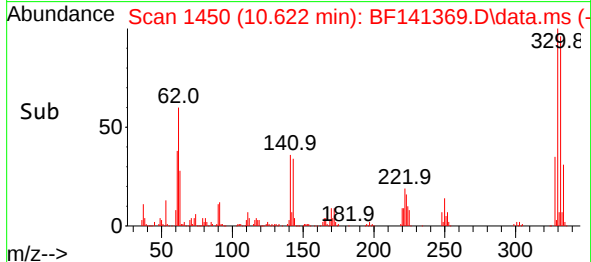
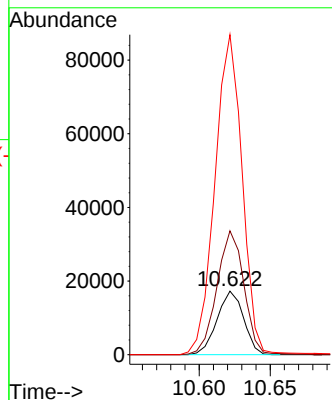
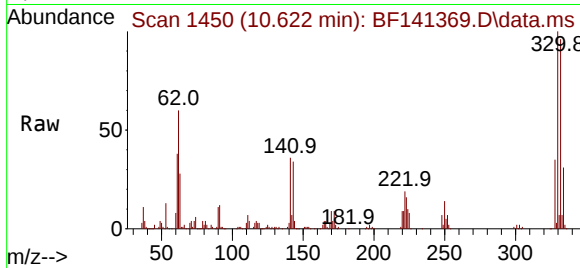




#67
4-Bromophenyl-phenylether
Concen: 5.217 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF141369.D
Acq: 03 Feb 2025 15:00

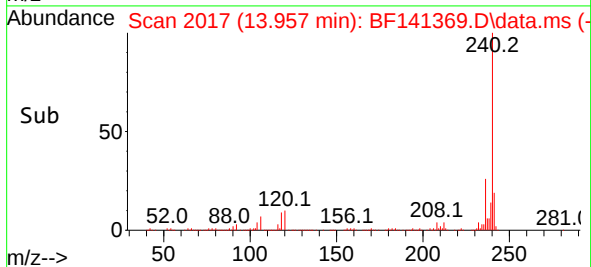
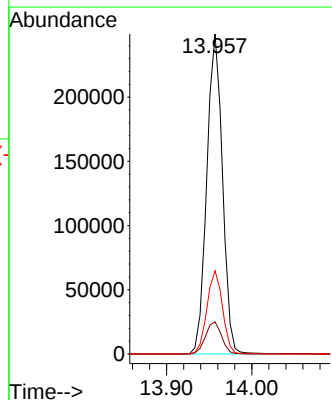
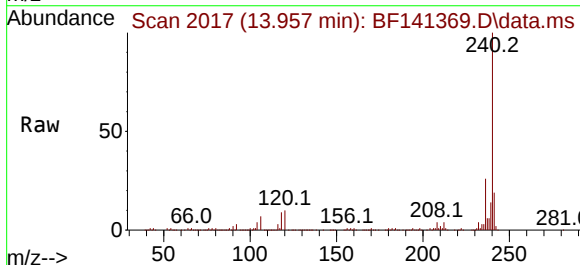
Instrument :
BNA_F
ClientSampleId :
348

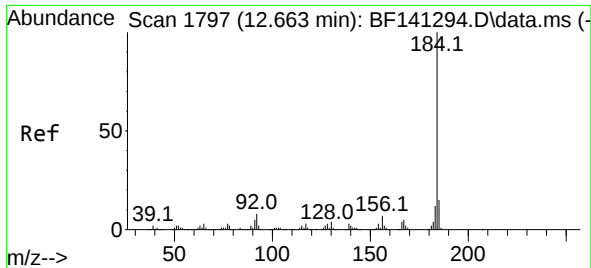
Tgt Ion:248 Resp: 22413
Ion Ratio Lower Upper
248 100
250 195.2 79.0 118.4#
141 504.2 63.7 95.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141369.D
Acq: 03 Feb 2025 15:00

Tgt Ion:240 Resp: 318642
Ion Ratio Lower Upper
240 100
120 10.1 10.0 15.0
236 26.0 19.7 29.5

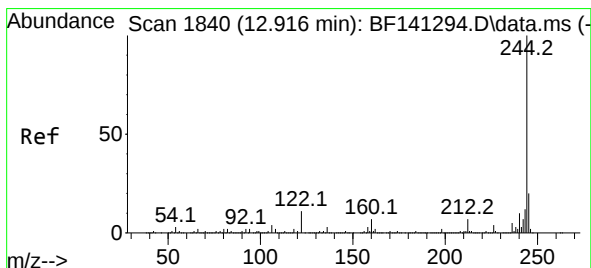
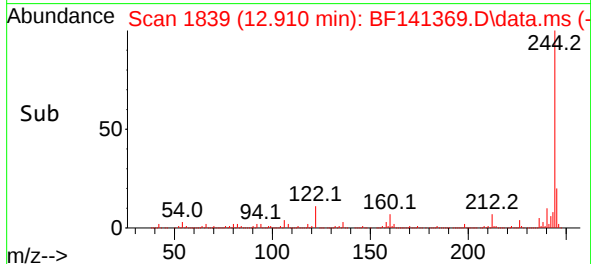
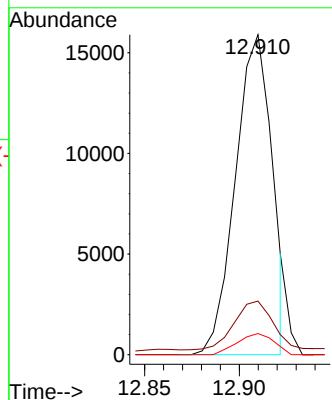
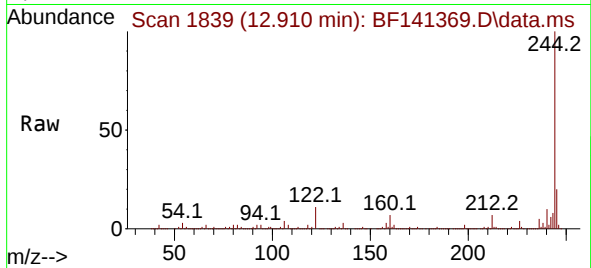




#77
Benzidine
Concen: 2.102 ng
RT: 12.910 min Scan# 1839
Delta R.T. 0.247 min
Lab File: BF141369.D
Acq: 03 Feb 2025 15:00

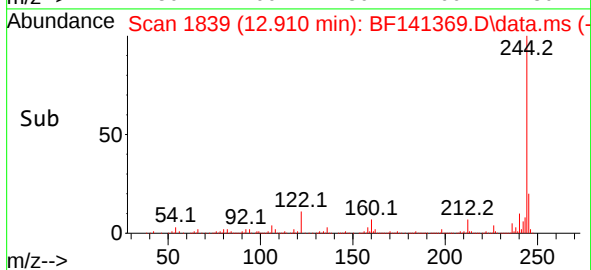
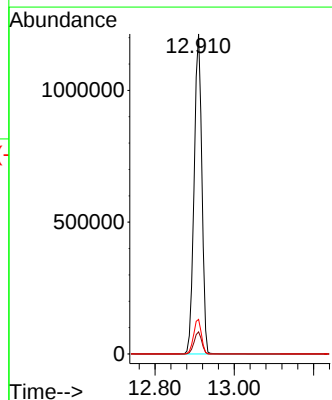
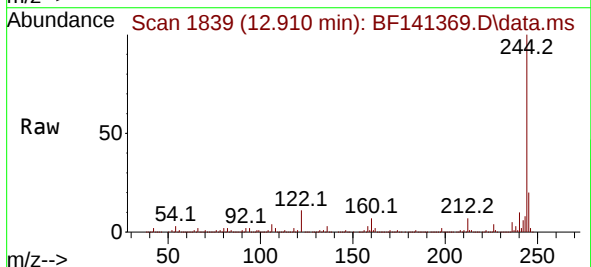
Instrument :
BNA_F
ClientSampleId :
348

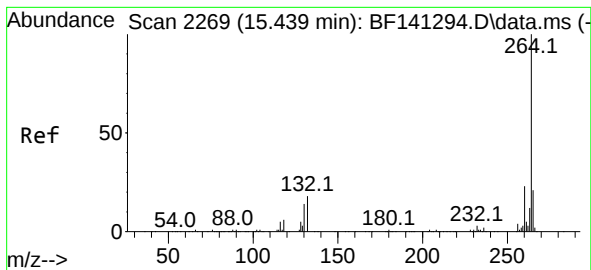
Tgt Ion:184 Resp: 21477
Ion Ratio Lower Upper
184 100
185 16.7 11.9 17.9
183 6.6 9.5 14.3#



#79
Terphenyl-d14
Concen: 79.473 ng
RT: 12.910 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF141369.D
Acq: 03 Feb 2025 15:00

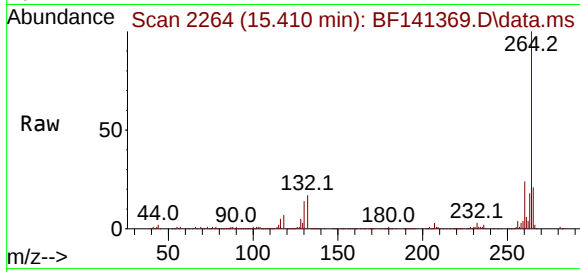
Tgt Ion:244 Resp: 1642056
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.0
122 10.8 8.8 13.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.410 min Scan# 21
 Delta R.T. -0.029 min
 Lab File: BF141369.D
 Acq: 03 Feb 2025 15:00

Instrument :
 BNA_F
 ClientSampleId :
 348



Tgt Ion:264 Resp: 219485
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.6 27.8
 265 21.4 16.7 25.1

