

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141371.D
 Acq On : 03 Feb 2025 15:52
 Operator : RC/JU
 Sample : Q1239-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 357

Quant Time: Feb 03 16:45:36 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)

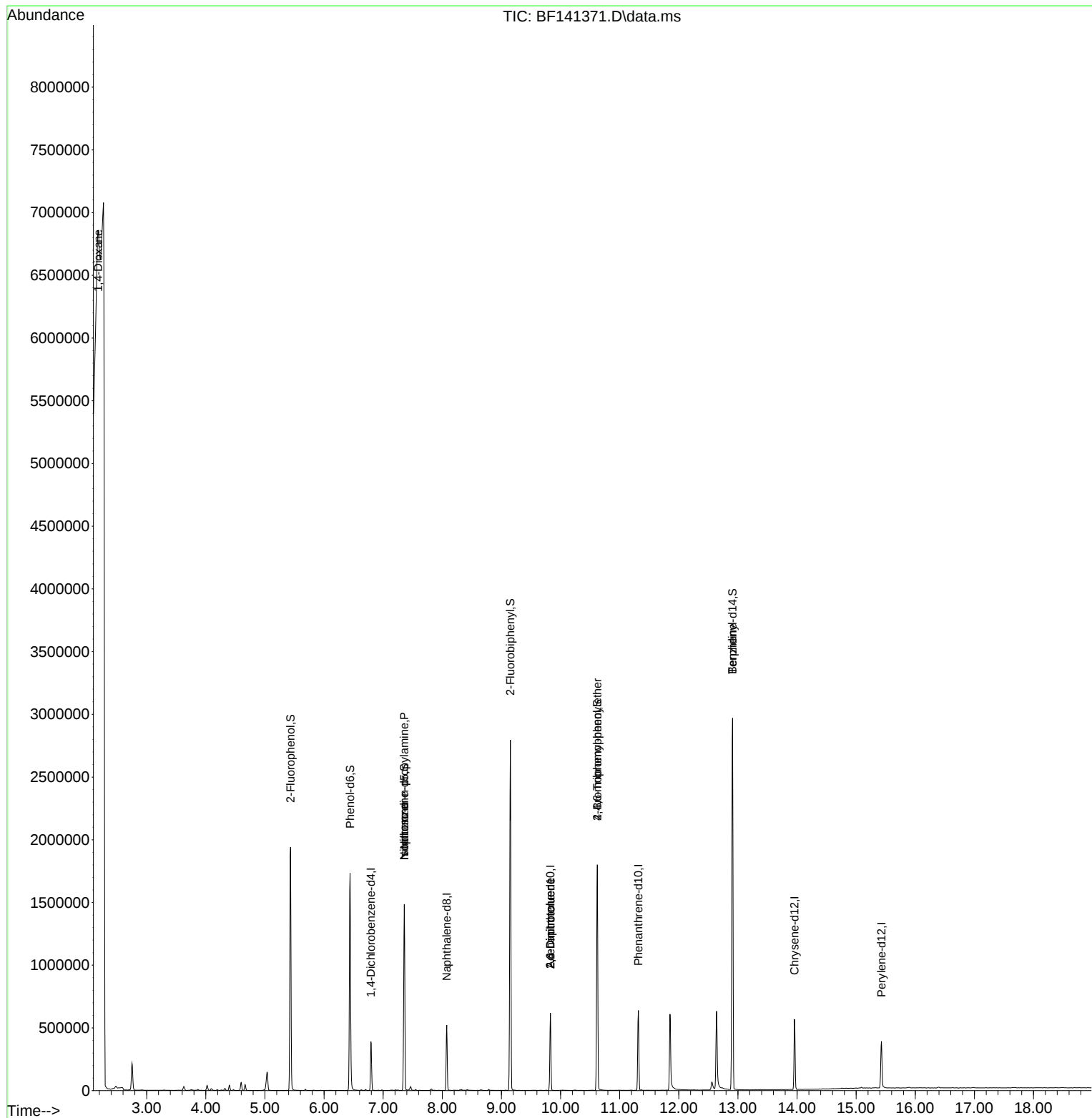
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	78740	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	323766	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	180429	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	320910	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	270158	20.000	ng	-0.02
86) Perylene-d12	15.427	264	217501	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	718618	140.110	ng	0.02
7) Phenol-d6	6.440	99	810713	124.253	ng	0.00
23) Nitrobenzene-d5	7.357	82	658572	107.231	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	299543	181.089	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1254168	106.990	ng	-0.01
79) Terphenyl-d14	12.910	244	1542054	88.027	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.181	88	7615	3.376	ng	# 50
19) n-Nitroso-di-n-propyla...	7.357	70	90870	23.438	ng	# 76
25) Isophorone	7.357	82	652973	61.506	ng	# 64
51) 2,6-Dinitrotoluene	9.828	165	23640	8.355	ng	# 23
57) 2,4-Dinitrotoluene	9.828	165	23640	6.453	ng	# 23
67) 4-Bromophenyl-phenylether	10.622	248	21231	5.910	ng	# 1
77) Benzidine	12.910	184	20390	2.354	ng	# 92

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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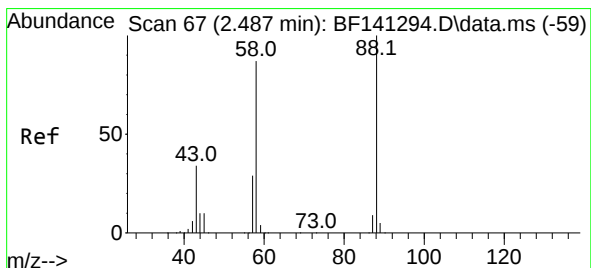
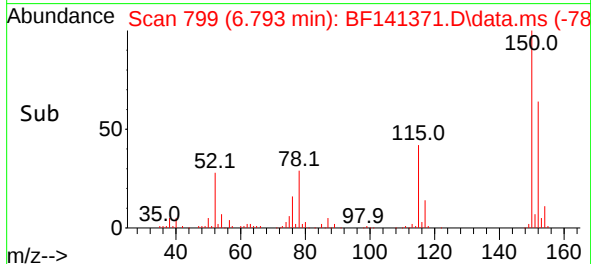
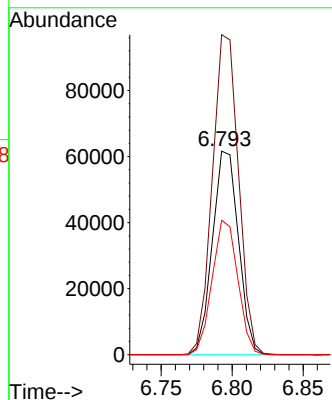
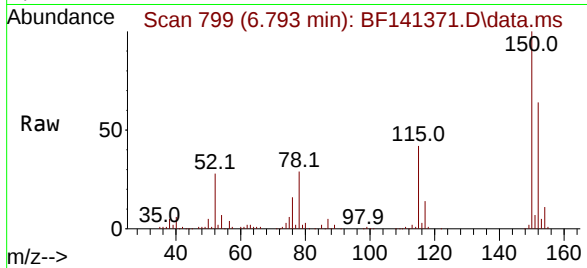




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.793 min Scan# 79
 Delta R.T. -0.011 min
 Lab File: BF141371.D
 Acq: 03 Feb 2025 15:52

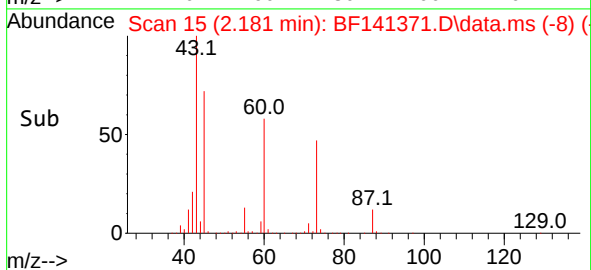
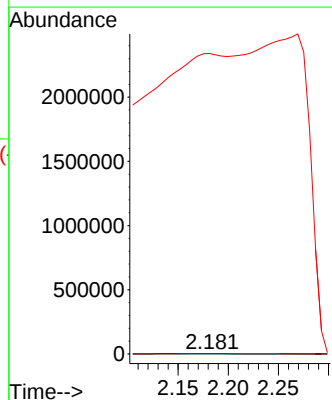
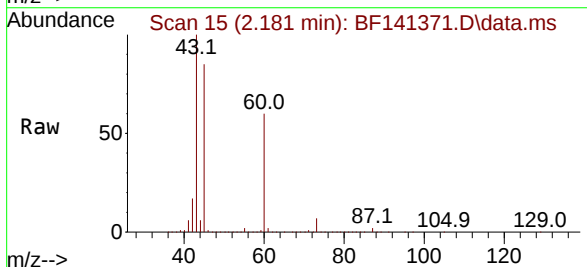
Instrument :
 BNA_F
 ClientSampleId :
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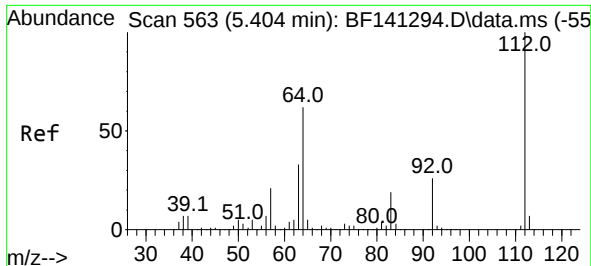
Tgt Ion:152 Resp: 78740
 Ion Ratio Lower Upper
 152 100
 150 157.3 125.9 188.9
 115 66.0 49.7 74.5



#2
 1,4-Dioxane
 Concen: 3.376 ng
 RT: 2.181 min Scan# 15
 Delta R.T. -0.312 min
 Lab File: BF141371.D
 Acq: 03 Feb 2025 15:52

Tgt Ion: 88 Resp: 7615
 Ion Ratio Lower Upper
 88 100
 58 45.0 70.2 105.4#
 43 0.0 27.6 41.4#

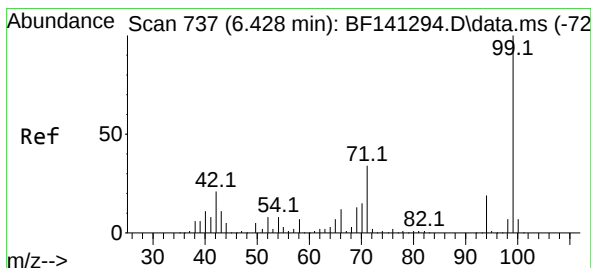
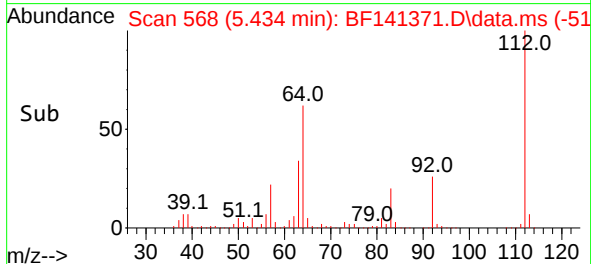
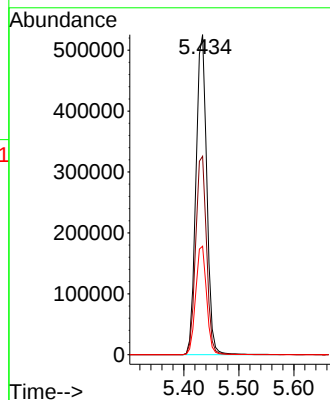
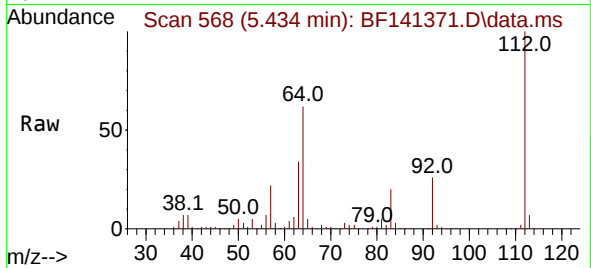




#5
2-Fluorophenol
Concen: 140.110 ng
RT: 5.434 min Scan# 501
Delta R.T. 0.024 min
Lab File: BF141371.D
Acq: 03 Feb 2025 15:52

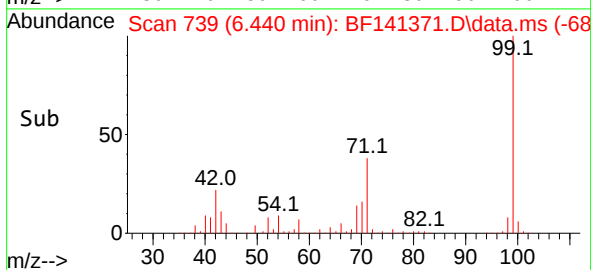
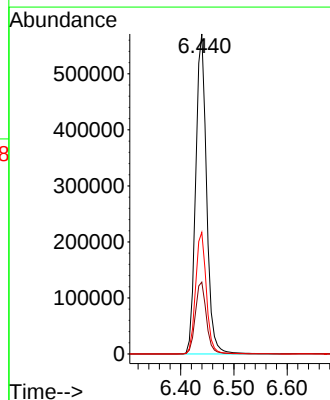
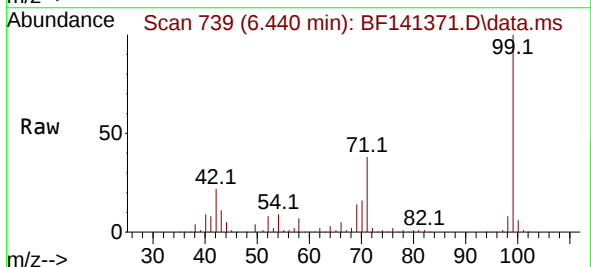
Instrument :
BNA_F
ClientSampleId :
357

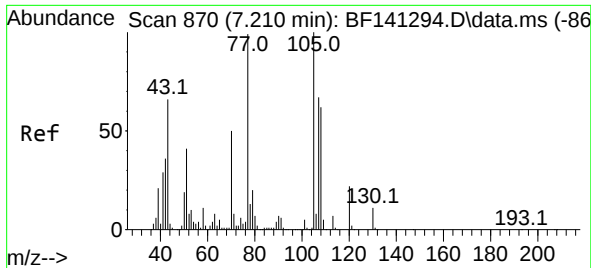
Tgt Ion:112 Resp: 718618
Ion Ratio Lower Upper
112 100
64 62.0 49.8 74.8
63 33.9 26.1 39.1



#7
Phenol-d6
Concen: 124.253 ng
RT: 6.440 min Scan# 739
Delta R.T. 0.000 min
Lab File: BF141371.D
Acq: 03 Feb 2025 15:52

Tgt Ion: 99 Resp: 810713
Ion Ratio Lower Upper
99 100
42 22.4 17.1 25.7
71 38.0 26.9 40.3

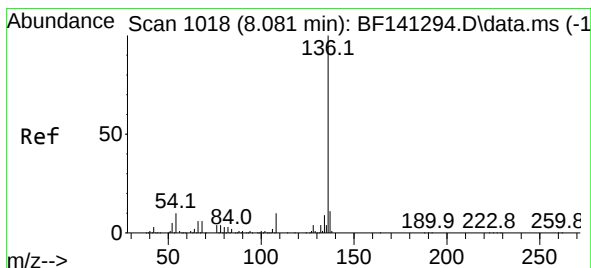
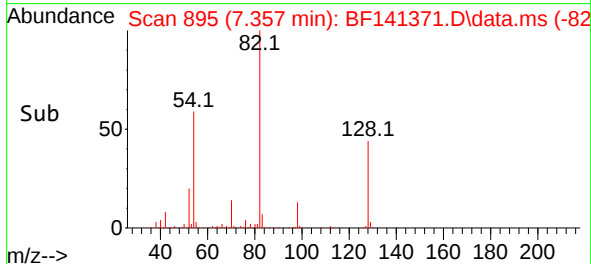
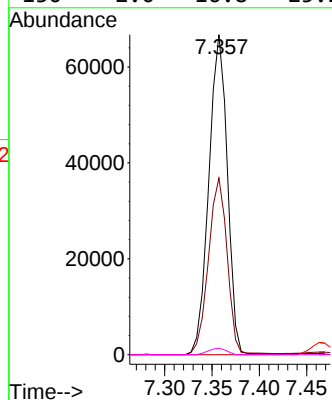
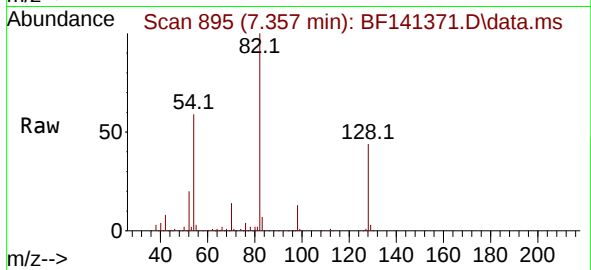




#19
n-Nitroso-di-n-propylamine
Concen: 23.438 ng
RT: 7.357 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF141371.D
Acq: 03 Feb 2025 15:52

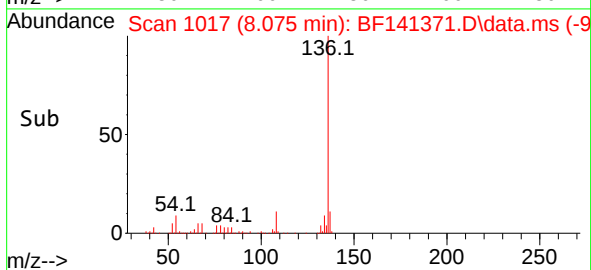
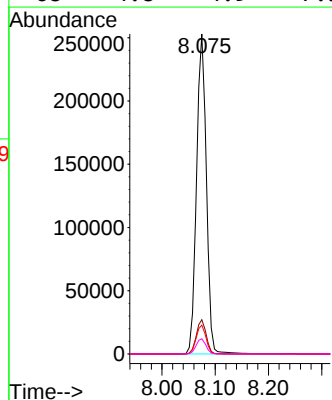
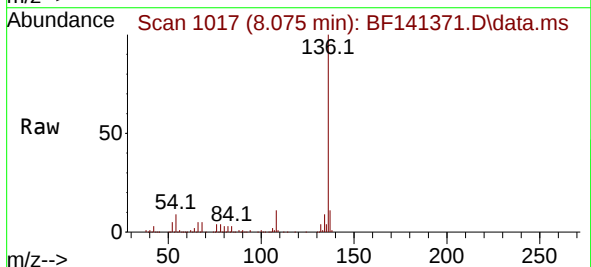
Instrument :
BNA_F
ClientSampleId :
357

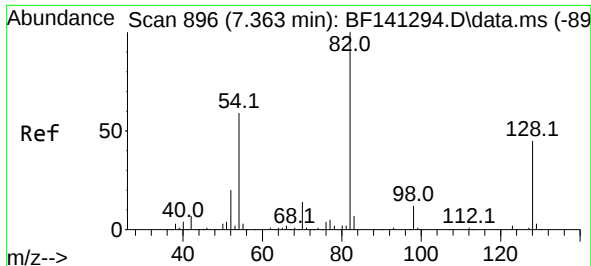
Tgt Ion:	70	Resp:	90870
Ion	Ratio	Lower	Upper
70	100		
42	55.2	56.8	85.2#
101	0.0	7.7	11.5#
130	2.0	16.8	25.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF141371.D
Acq: 03 Feb 2025 15:52

Tgt Ion:	136	Resp:	323766
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	9.0	7.8	11.8
68	4.8	4.9	7.3#

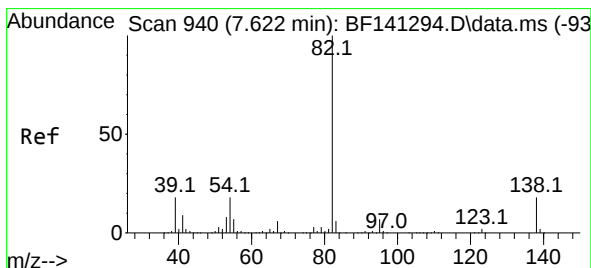
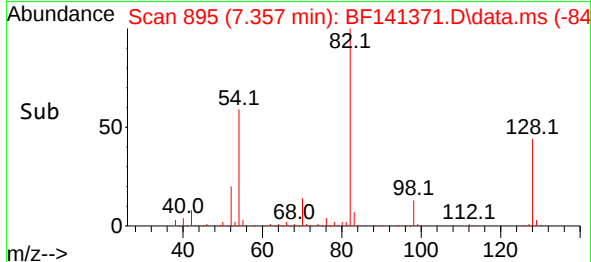
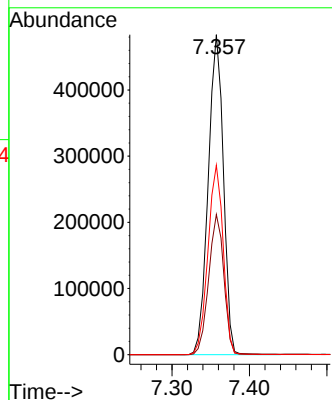
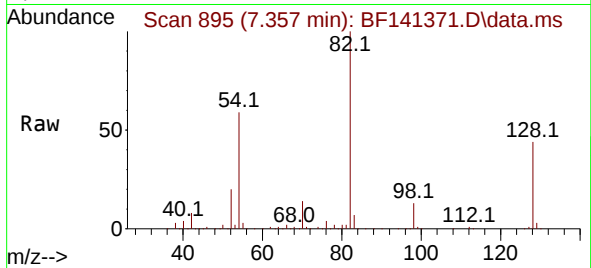




#23
Nitrobenzene-d5
Concen: 107.231 ng
RT: 7.357 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF141371.D
Acq: 03 Feb 2025 15:52

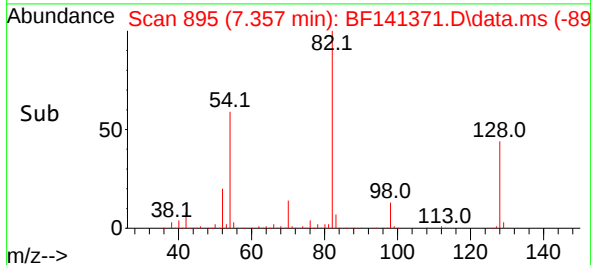
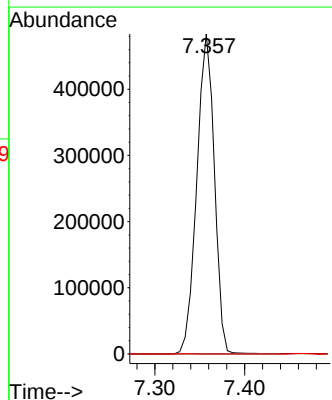
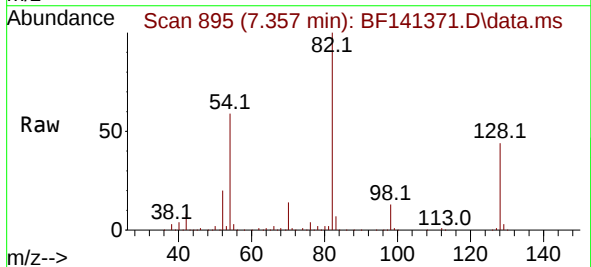
Instrument :
BNA_F
ClientSampleId :
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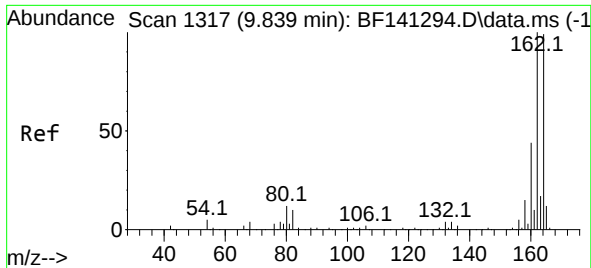
Tgt Ion: 82 Resp: 658572
Ion Ratio Lower Upper
82 100
128 43.8 35.7 53.5
54 59.2 47.1 70.7



#25
Isophorone
Concen: 61.506 ng
RT: 7.357 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF141371.D
Acq: 03 Feb 2025 15:52

Tgt Ion: 82 Resp: 652973
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.7 22.1#

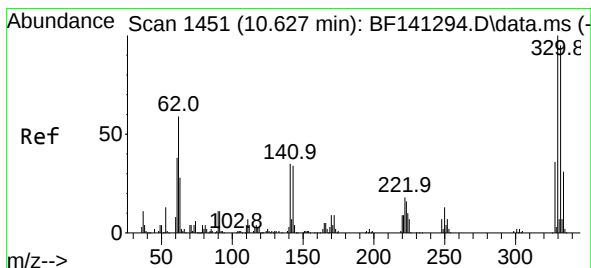
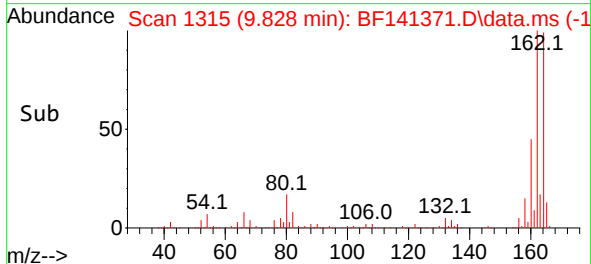
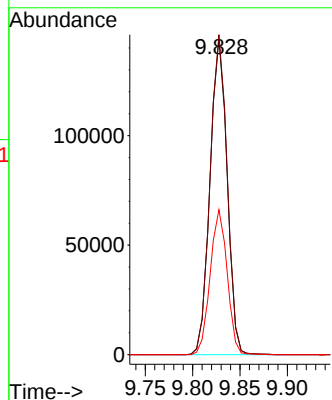
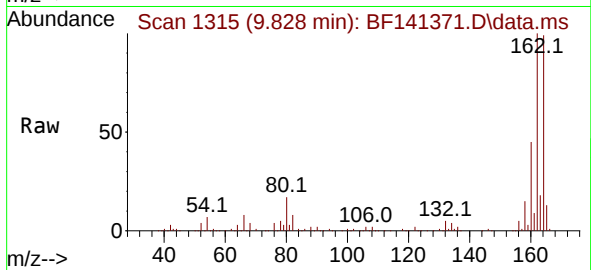




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141371.D
Acq: 03 Feb 2025 15:52

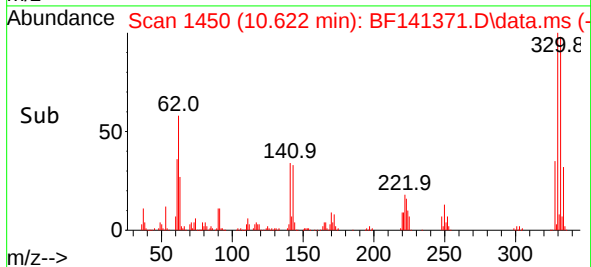
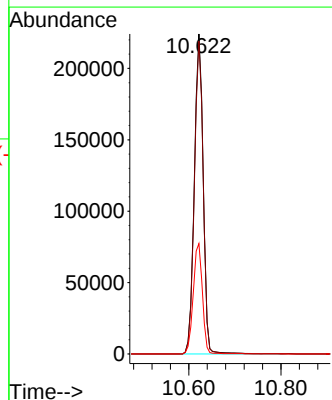
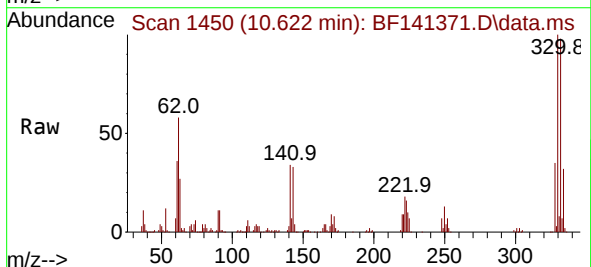
Instrument :
BNA_F
ClientSampleId :
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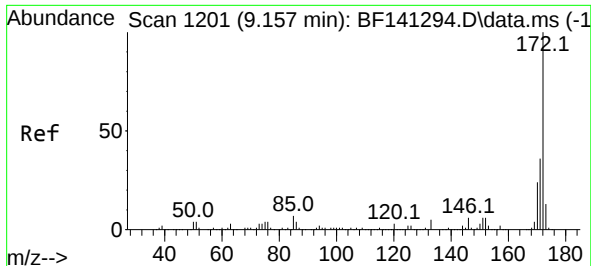
Tgt Ion:164 Resp: 180429
Ion Ratio Lower Upper
164 100
162 101.3 80.6 121.0
160 45.9 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 181.089 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF141371.D
Acq: 03 Feb 2025 15:52

Tgt Ion:330 Resp: 299543
Ion Ratio Lower Upper
330 100
332 97.3 76.1 114.1
141 35.5 28.8 43.2

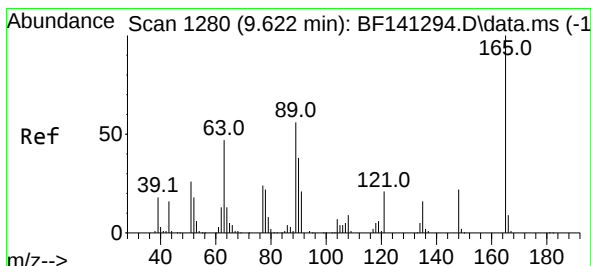
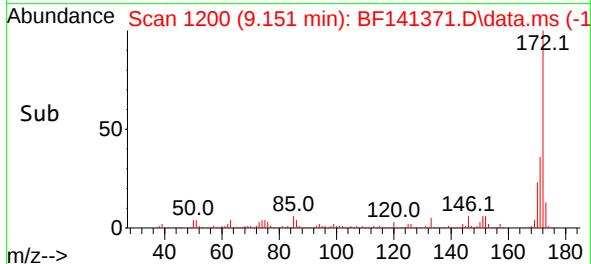
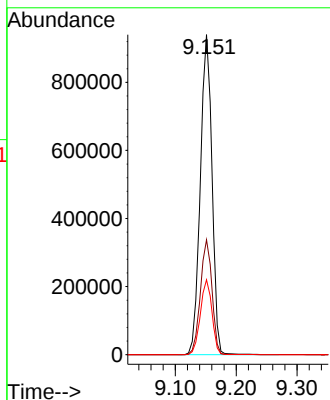
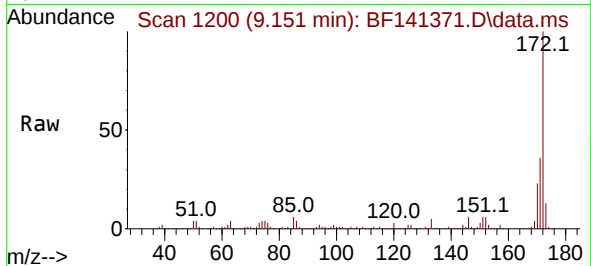




#45
2-Fluorobiphenyl
Concen: 106.990 ng
RT: 9.151 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141371.D
Acq: 03 Feb 2025 15:52

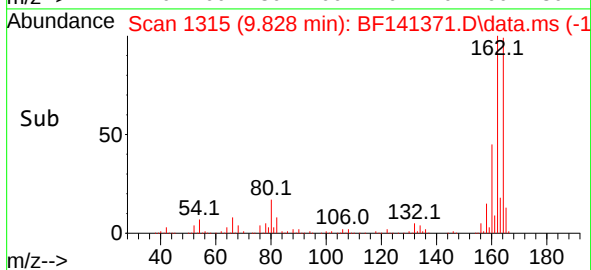
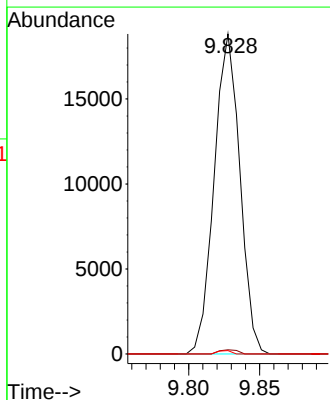
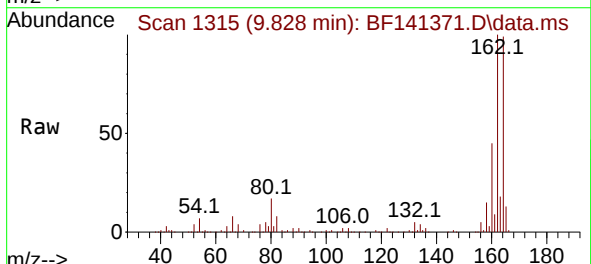
Instrument :
BNA_F
ClientSampleId :
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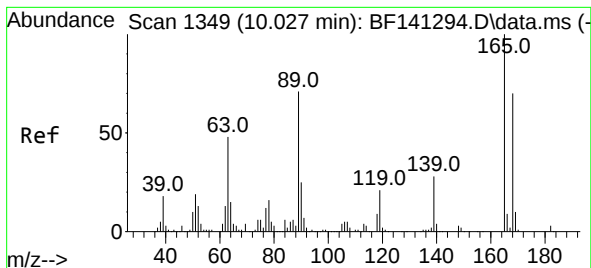
Tgt Ion:172 Resp: 1254168
Ion Ratio Lower Upper
172 100
171 35.9 28.8 43.2
170 23.4 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 8.355 ng
RT: 9.828 min Scan# 1315
Delta R.T. 0.200 min
Lab File: BF141371.D
Acq: 03 Feb 2025 15:52

Tgt Ion:165 Resp: 23640
Ion Ratio Lower Upper
165 100
63 1.3 48.1 72.1#
89 1.1 44.9 67.3#

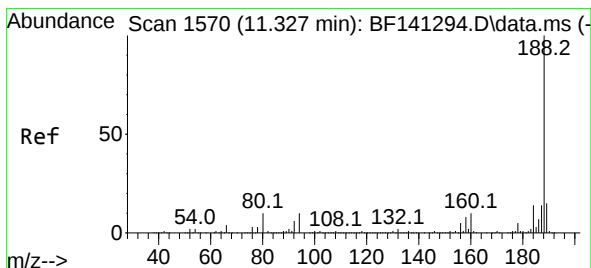
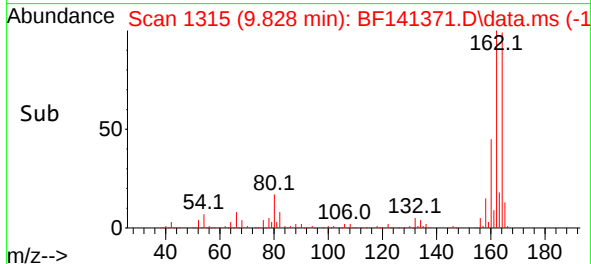
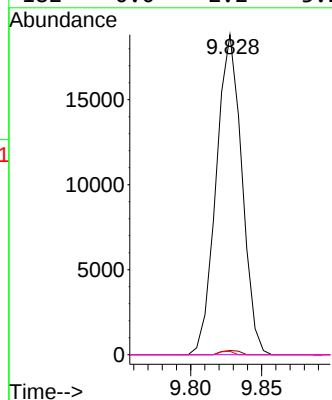
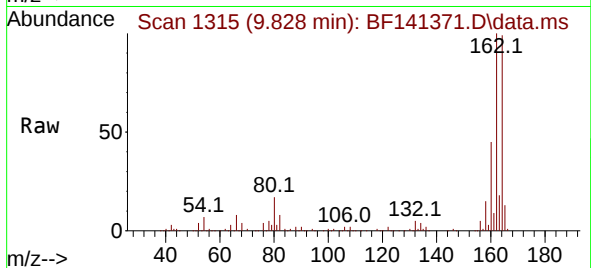




#57
2,4-Dinitrotoluene
Concen: 6.453 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF141371.D
Acq: 03 Feb 2025 15:52

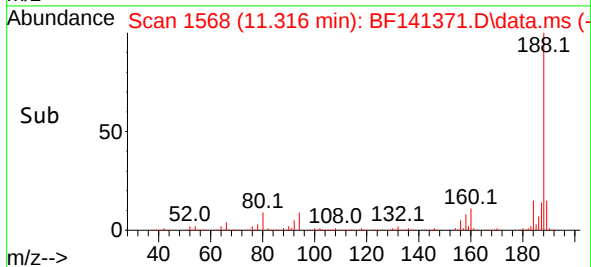
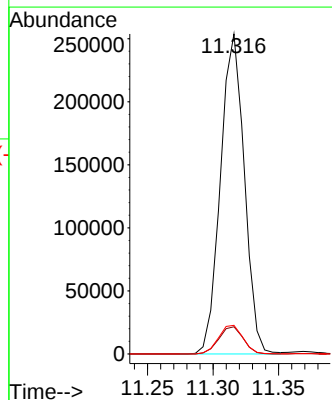
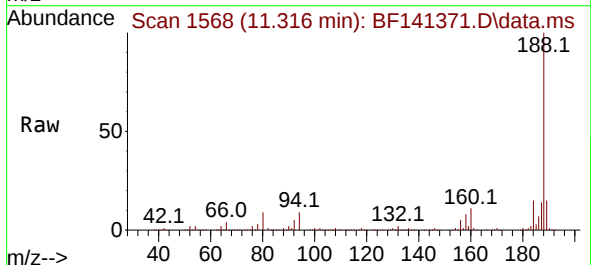
Instrument :
BNA_F
ClientSampleId :
357

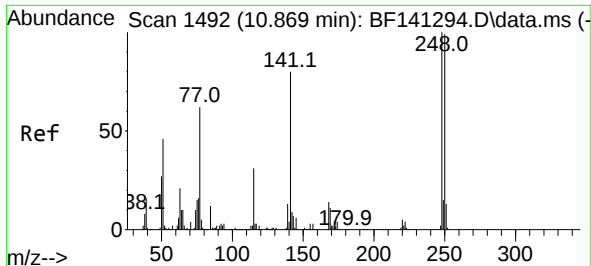
Tgt Ion:165 Resp: 23640
Ion Ratio Lower Upper
165 100
63 1.3 39.2 58.8#
89 1.1 56.9 85.3#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141371.D
Acq: 03 Feb 2025 15:52

Tgt Ion:188 Resp: 320910
Ion Ratio Lower Upper
188 100
94 8.5 7.8 11.6
80 9.0 8.2 12.4

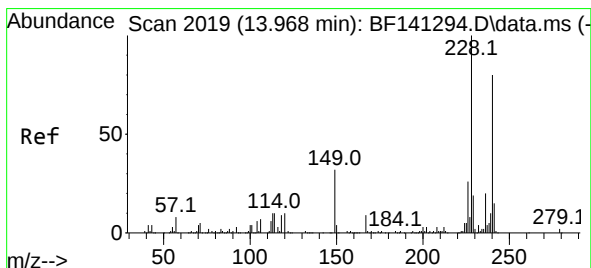
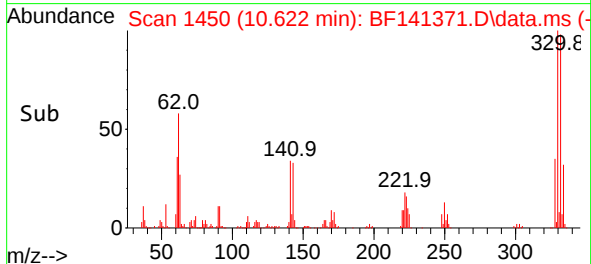
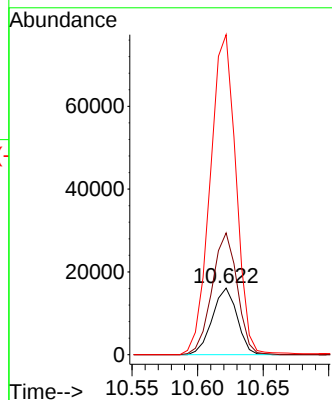
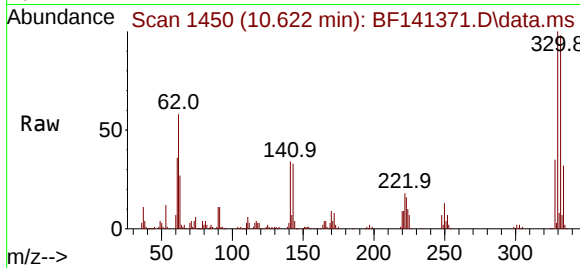




#67
4-Bromophenyl-phenylether
Concen: 5.910 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF141371.D
Acq: 03 Feb 2025 15:52

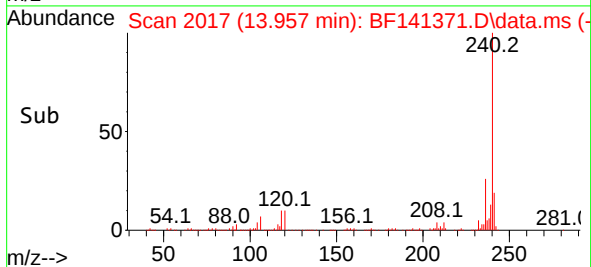
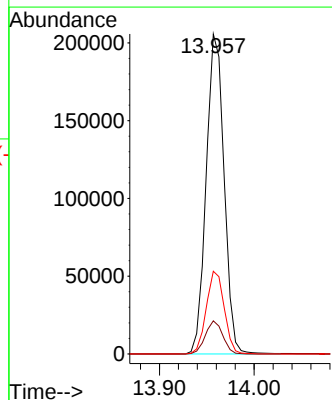
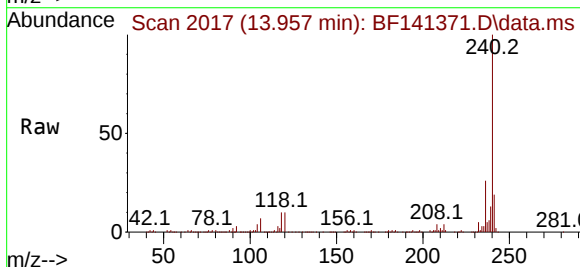
Instrument :
BNA_F
ClientSampleId :
357

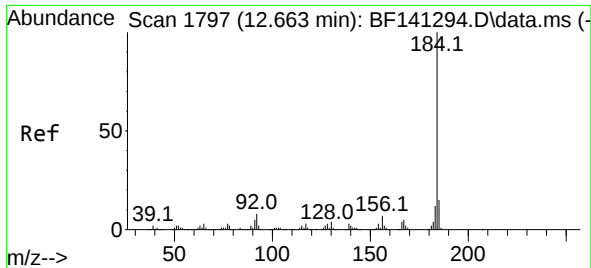
Tgt Ion:248 Resp: 21231
Ion Ratio Lower Upper
248 100
250 182.9 79.0 118.4#
141 480.7 63.7 95.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141371.D
Acq: 03 Feb 2025 15:52

Tgt Ion:240 Resp: 270158
Ion Ratio Lower Upper
240 100
120 10.3 10.0 15.0
236 25.8 19.7 29.5

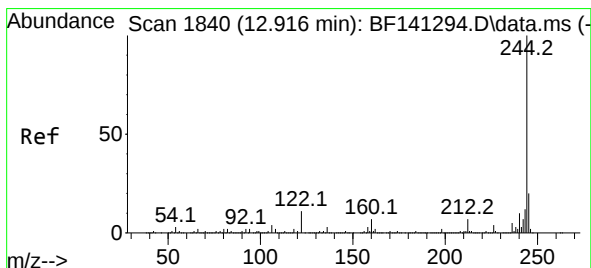
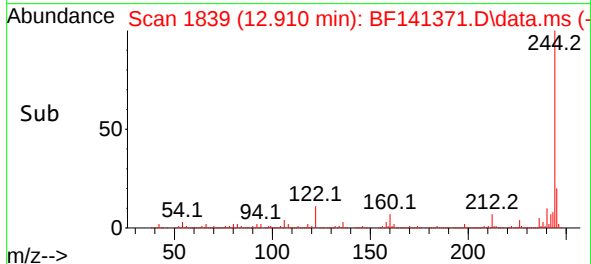
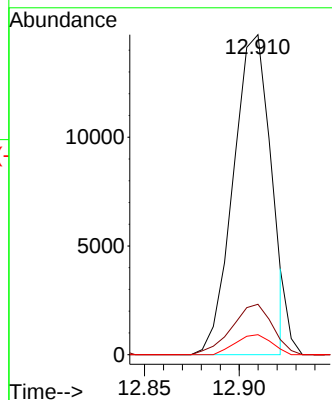
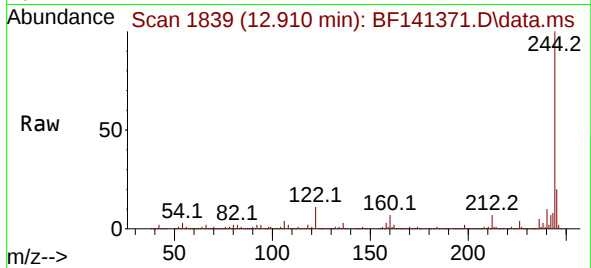




#77
Benzidine
Concen: 2.354 ng
RT: 12.910 min Scan# 1839
Delta R.T. 0.247 min
Lab File: BF141371.D
Acq: 03 Feb 2025 15:52

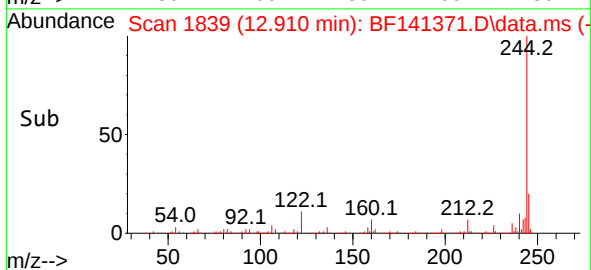
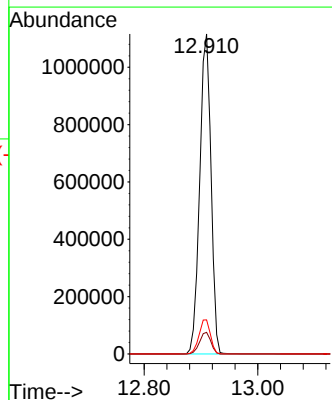
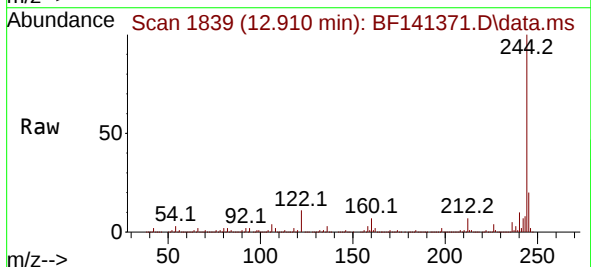
Instrument :
BNA_F
ClientSampleId :
357

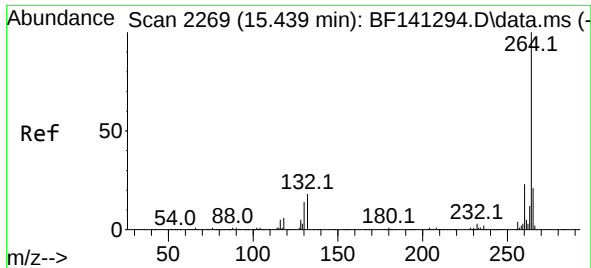
Tgt Ion:184 Resp: 20390
Ion Ratio Lower Upper
184 100
185 15.8 11.9 17.9
183 6.2 9.5 14.3#



#79
Terphenyl-d14
Concen: 88.027 ng
RT: 12.910 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF141371.D
Acq: 03 Feb 2025 15:52

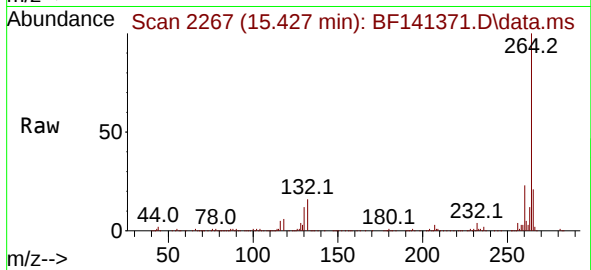
Tgt Ion:244 Resp: 1542054
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 10.7 8.8 13.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141371.D
Acq: 03 Feb 2025 15:52

Instrument :
BNA_F
ClientSampleId :
357



Tgt Ion:264 Resp: 217501

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	27.8
265	21.3	16.7	25.1

