

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011725\
 Data File : BF141209.D
 Acq On : 17 Jan 2025 22:30
 Operator : RC/JU
 Sample : Q1115-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11995

Quant Time: Jan 17 23:13:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 22:54:19 2025
 Response via : Initial Calibration

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

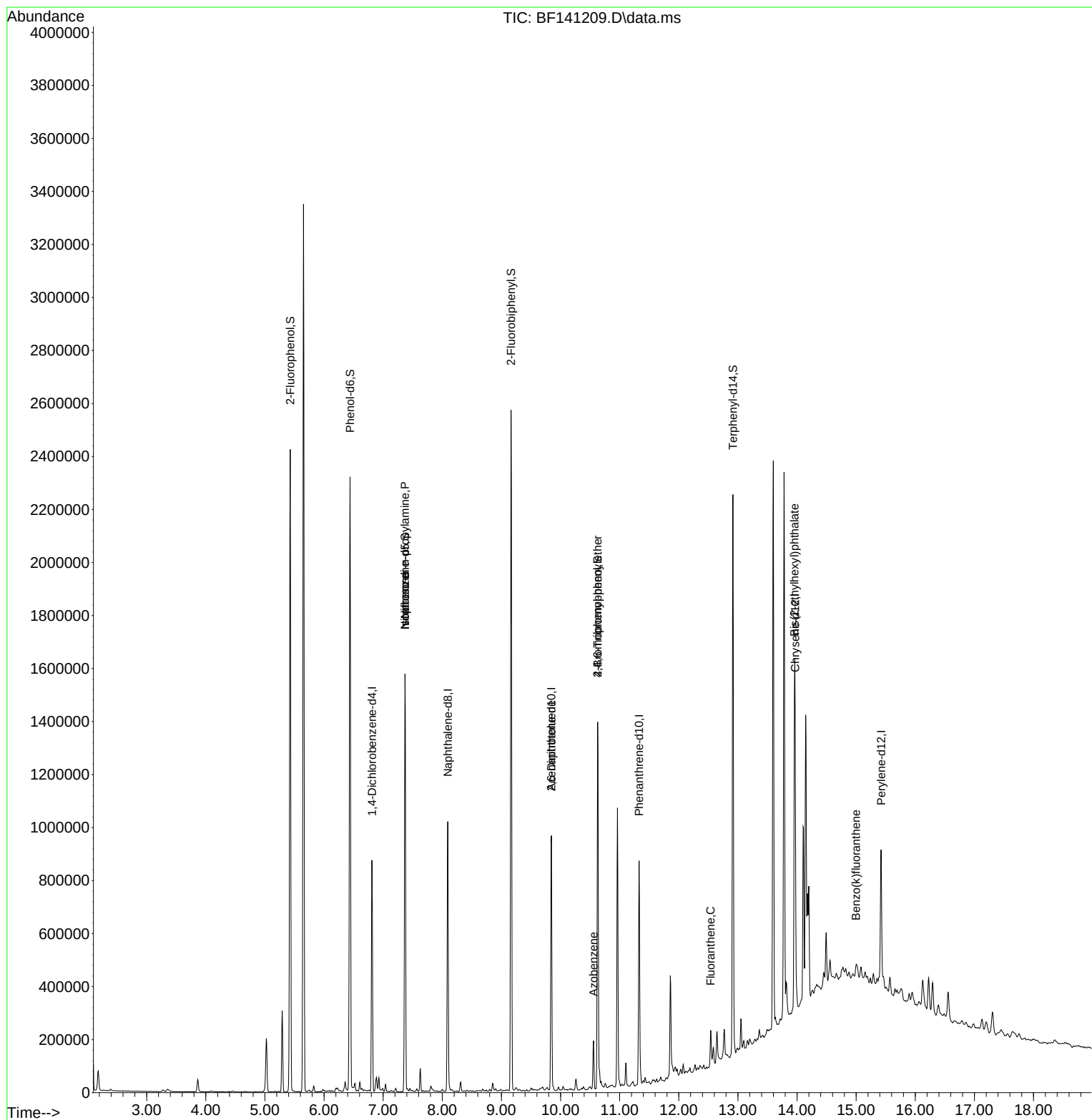
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	176911	20.000	ng	-0.01
21) Naphthalene-d8	8.092	136	632694	20.000	ng	-0.01
39) Acenaphthene-d10	9.845	164	276436	20.000	ng	-0.02
64) Phenanthrene-d10	11.327	188	414084	20.000	ng	-0.02
76) Chrysene-d12	13.969	240	387045	20.000	ng	-0.02
86) Perylene-d12	15.421	264	303043	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	935888	81.723	ng	0.00
7) Phenol-d6	6.440	99	1122175	77.357	ng	0.00
23) Nitrobenzene-d5	7.369	82	707122	59.244	ng	-0.02
42) 2,4,6-Tribromophenol	10.628	330	245146	77.829	ng	-0.02
45) 2-Fluorobiphenyl	9.163	172	1115078	61.597	ng	-0.02
79) Terphenyl-d14	12.916	244	1023101	39.288	ng	-0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.369	70	94944	11.111	ng	# 77
25) Isophorone	7.369	82	703148	34.472	ng	# 65
51) 2,6-Dinitrotoluene	9.845	165	36163	8.380	ng	# 27
63) Azobenzene	10.557	77	44787	2.505	ng	# 1
67) 4-Bromophenyl-phenylether	10.628	248	14983	3.143	ng	# 1
75) Fluoranthene	12.539	202	74127	3.341	ng	99
84) Bis(2-ethylhexyl)phtha...	13.957	149	339314	22.944	ng	100
89) Benzo(k)fluoranthene	14.998	252	35988	2.179	ng	# 68

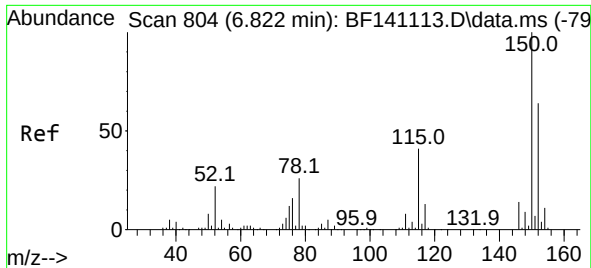
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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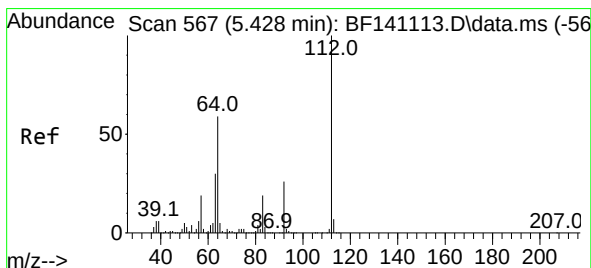
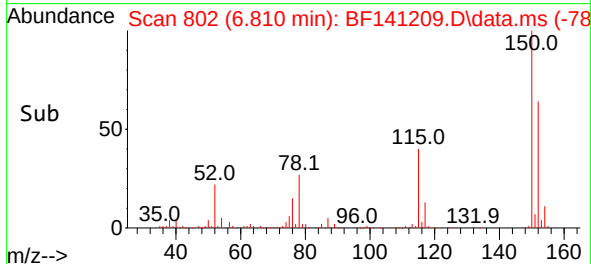
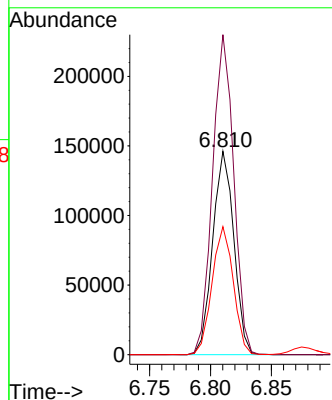
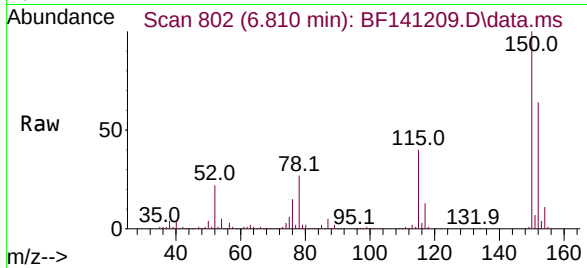




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 804
Delta R.T. -0.012 min
Lab File: BF141209.D
Acq: 17 Jan 2025 22:30

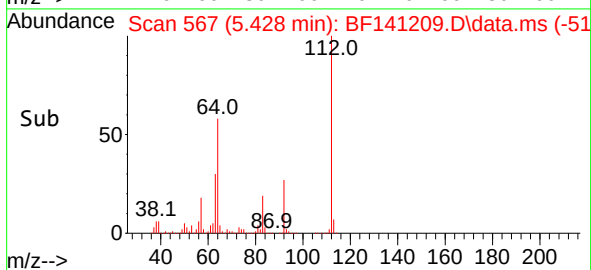
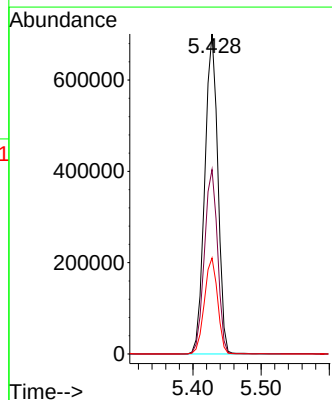
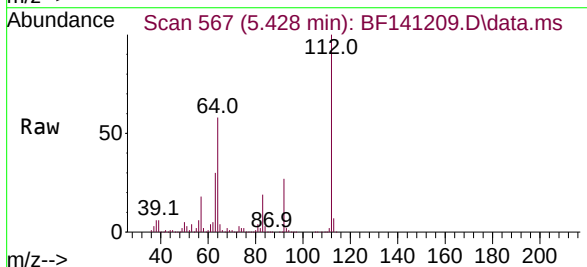
Instrument :
BNA_F
ClientSampleId :
72-11995

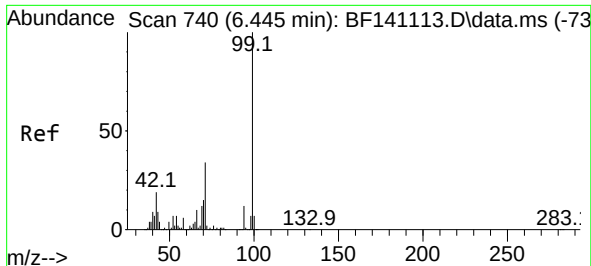
Tgt Ion:152 Resp: 176911
Ion Ratio Lower Upper
152 100
150 157.4 125.8 188.8
115 63.0 51.4 77.2



#5
2-Fluorophenol
Concen: 81.723 ng
RT: 5.428 min Scan# 567
Delta R.T. 0.000 min
Lab File: BF141209.D
Acq: 17 Jan 2025 22:30

Tgt Ion:112 Resp: 935888
Ion Ratio Lower Upper
112 100
64 57.7 47.3 70.9
63 30.0 24.2 36.2





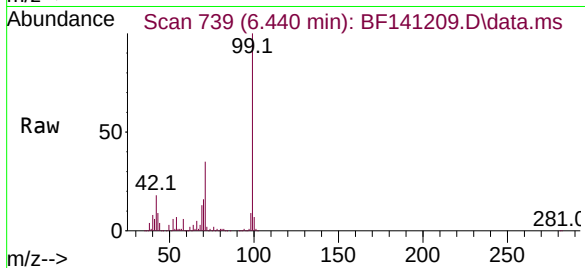
#7
Phenol-d6
Concen: 77.357 ng
RT: 6.440 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141209.D
Acq: 17 Jan 2025 22:30

Instrument :

BNA_F

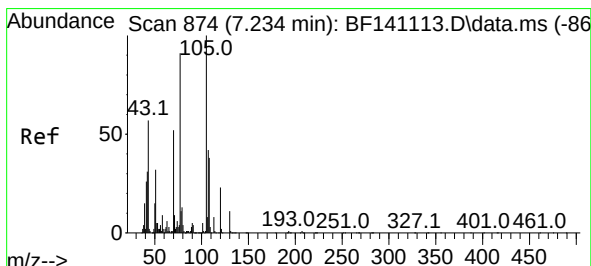
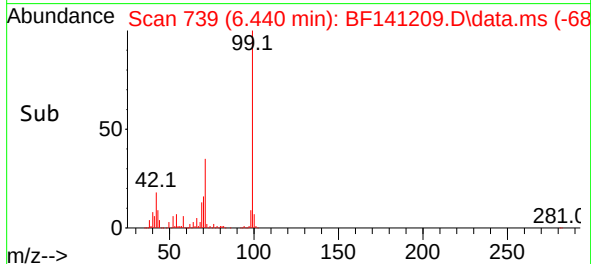
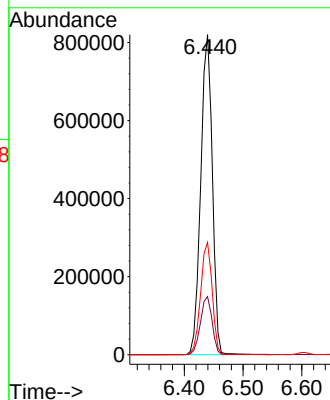
ClientSampleId :

72-11995



Tgt Ion: 99 Resp: 1122175

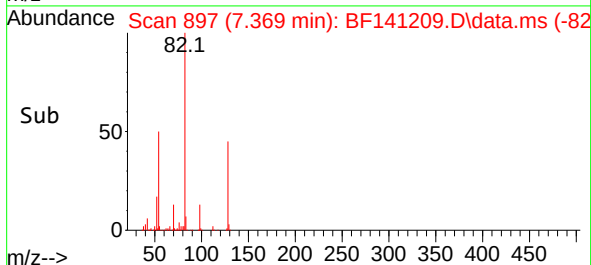
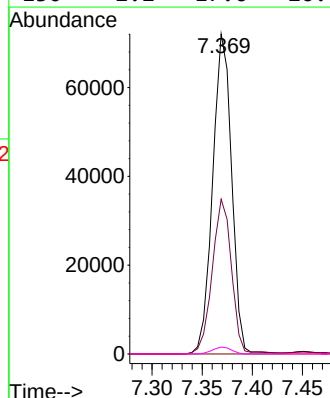
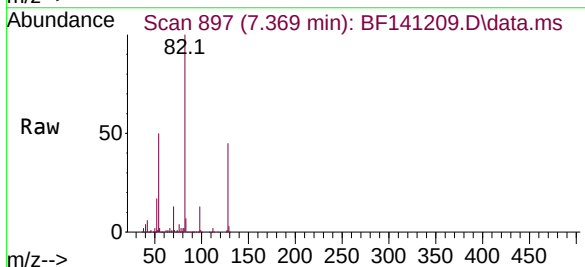
Ion	Ratio	Lower	Upper
99	100		
42	18.1	15.0	22.4
71	35.1	27.6	41.4

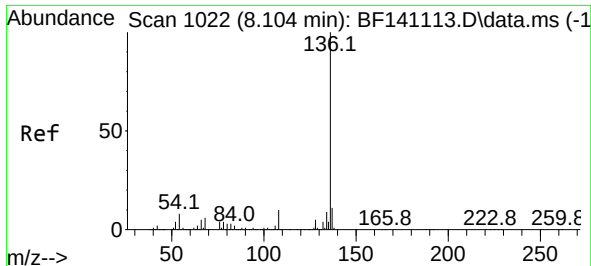


#19
n-Nitroso-di-n-propylamine
Concen: 11.111 ng
RT: 7.369 min Scan# 897
Delta R.T. 0.135 min
Lab File: BF141209.D
Acq: 17 Jan 2025 22:30

Tgt Ion: 70 Resp: 94944

Ion	Ratio	Lower	Upper
70	100		
42	48.3	47.8	71.6
101	0.0	7.9	11.9#
130	2.2	17.6	26.4#



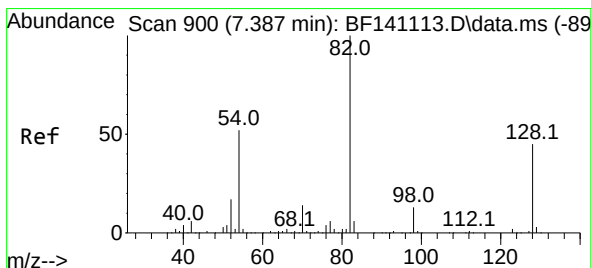
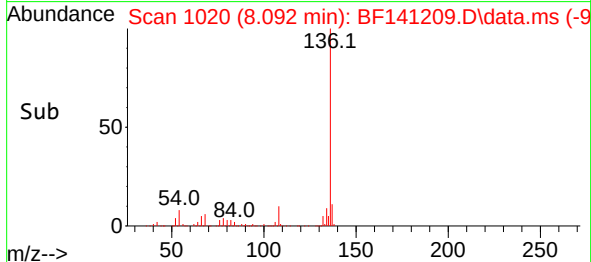
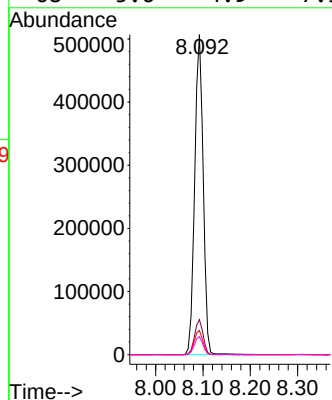
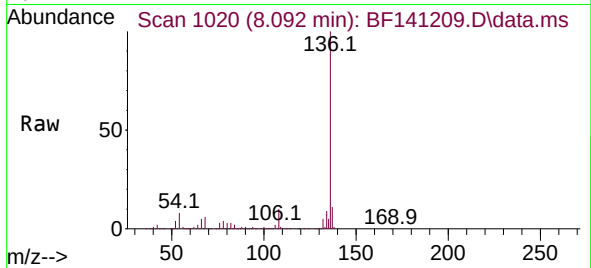


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 1022
Delta R.T. -0.012 min
Lab File: BF141209.D
Acq: 17 Jan 2025 22:30

Instrument :
BNA_F
ClientSampleId :
72-11995

Tgt Ion:136 Resp: 632694

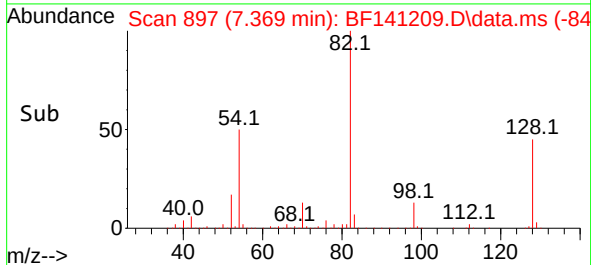
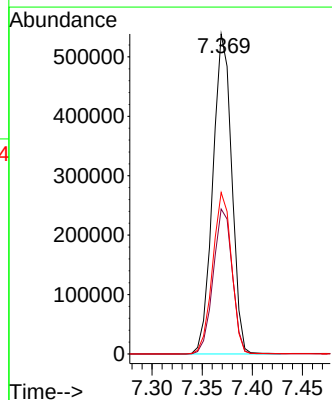
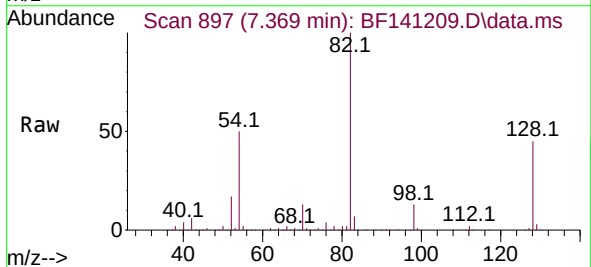
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.6	6.3	9.5
68	5.6	4.9	7.3

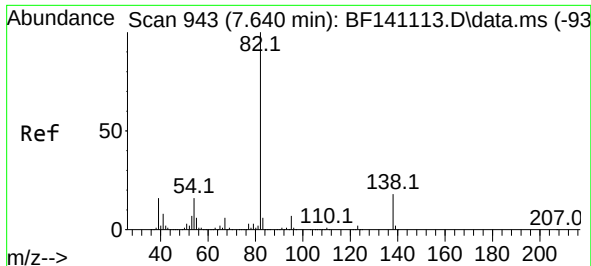


#23
Nitrobenzene-d5
Concen: 59.244 ng
RT: 7.369 min Scan# 897
Delta R.T. -0.018 min
Lab File: BF141209.D
Acq: 17 Jan 2025 22:30

Tgt Ion: 82 Resp: 707122

Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.1	54.1
54	50.5	41.0	61.4

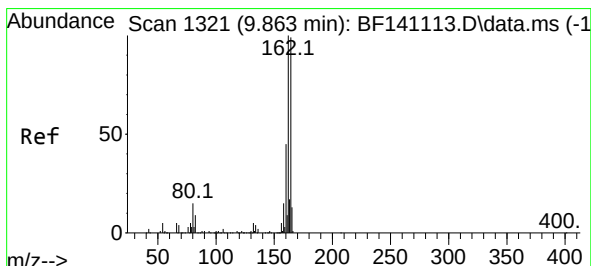
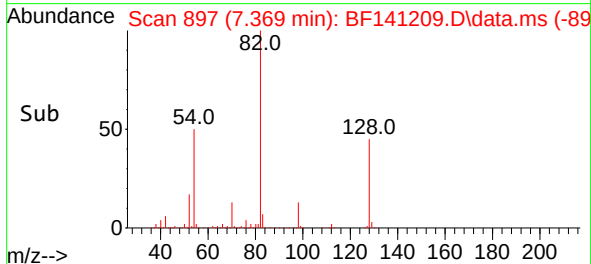
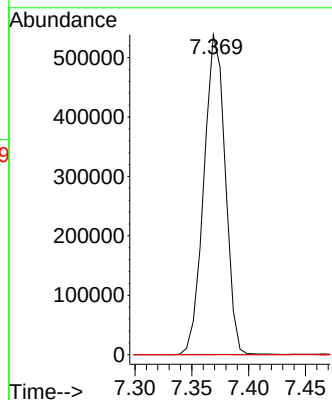
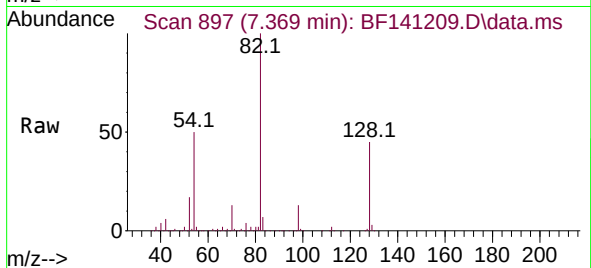




#25
Isophorone
Concen: 34.472 ng
RT: 7.369 min Scan# 897
Delta R.T. -0.271 min
Lab File: BF141209.D
Acq: 17 Jan 2025 22:30

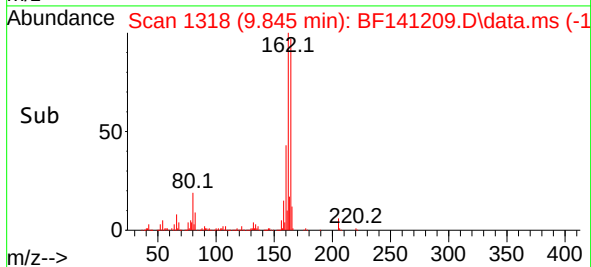
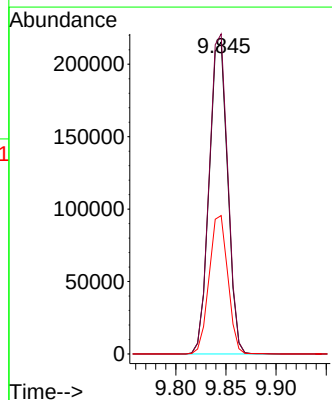
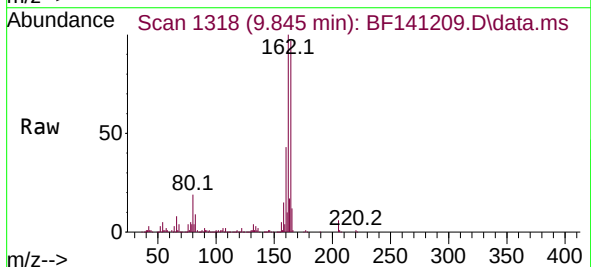
Instrument :
BNA_F
ClientSampleId :
72-11995

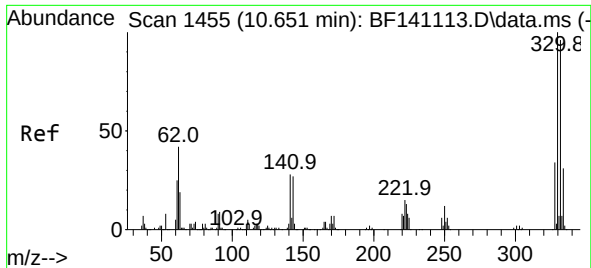
Tgt Ion: 82 Resp: 703148
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 1318
Delta R.T. -0.018 min
Lab File: BF141209.D
Acq: 17 Jan 2025 22:30

Tgt Ion:164 Resp: 276436
Ion Ratio Lower Upper
164 100
162 102.6 81.0 121.4
160 44.4 36.1 54.1

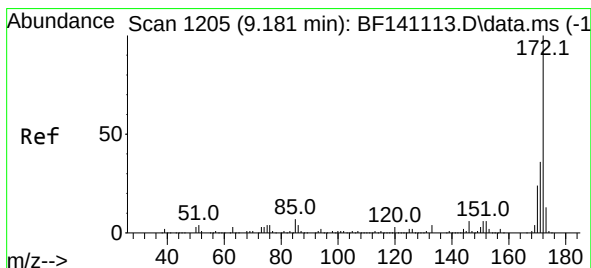
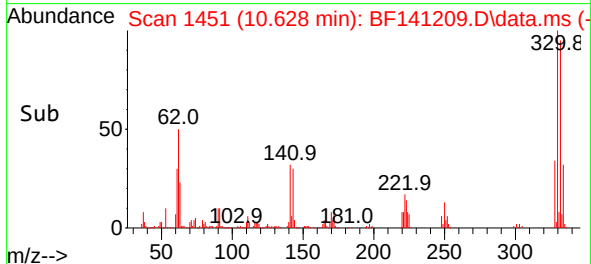
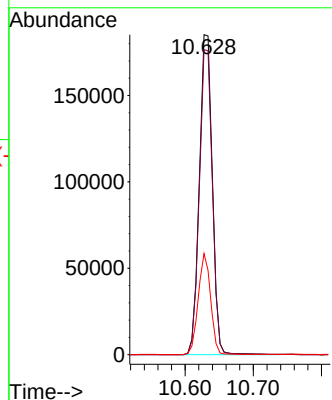
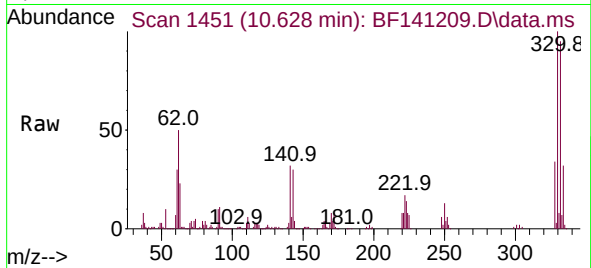




#42
2,4,6-Tribromophenol
Concen: 77.829 ng
RT: 10.628 min Scan# 1451
Delta R.T. -0.024 min
Lab File: BF141209.D
Acq: 17 Jan 2025 22:30

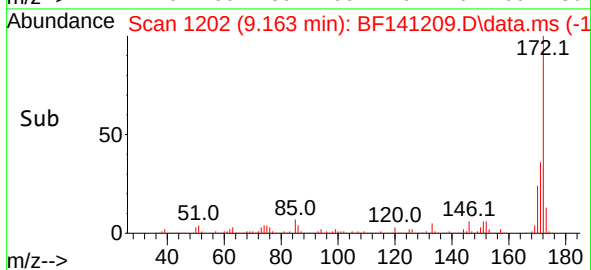
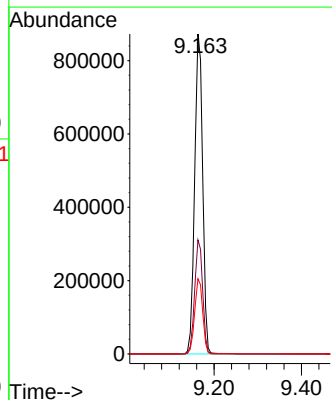
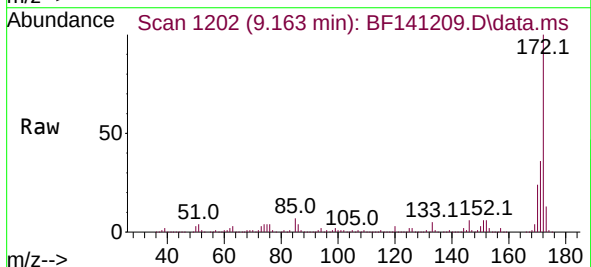
Instrument :
BNA_F
ClientSampleId :
72-11995

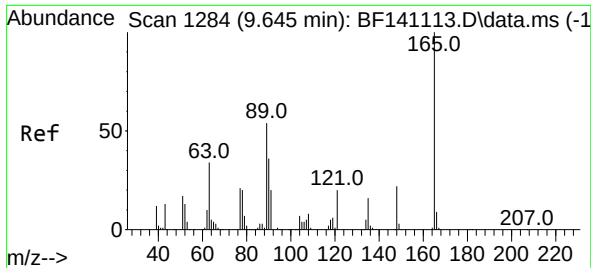
Tgt Ion:330 Resp: 245146
Ion Ratio Lower Upper
330 100
332 95.4 76.9 115.3
141 30.3 25.2 37.8



#45
2-Fluorobiphenyl
Concen: 61.597 ng
RT: 9.163 min Scan# 1202
Delta R.T. -0.018 min
Lab File: BF141209.D
Acq: 17 Jan 2025 22:30

Tgt Ion:172 Resp: 1115078
Ion Ratio Lower Upper
172 100
171 35.7 28.7 43.1
170 23.5 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 8.380 ng

RT: 9.845 min Scan# 11

Delta R.T. 0.200 min

Lab File: BF141209.D

Acq: 17 Jan 2025 22:30

Instrument :

BNA_F

ClientSampleId :

72-11995

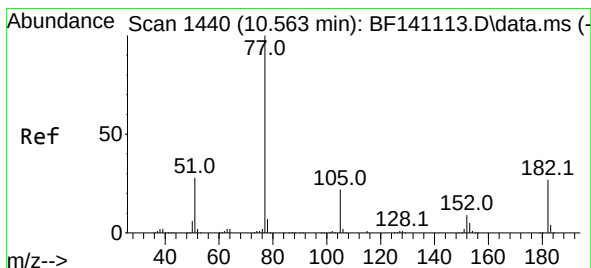
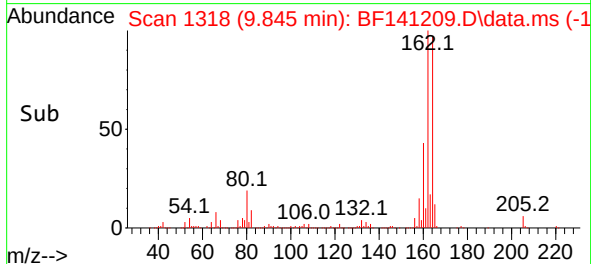
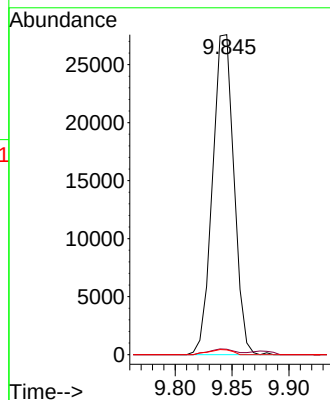
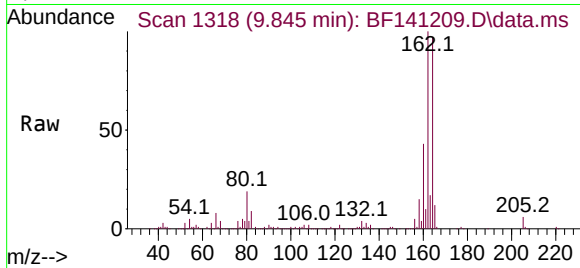
Tgt Ion:165 Resp: 36163

Ion Ratio Lower Upper

165 100

63 1.7 42.3 63.5#

89 1.5 43.1 64.7#



#63

Azobenzene

Concen: 2.505 ng

RT: 10.557 min Scan# 1439

Delta R.T. -0.006 min

Lab File: BF141209.D

Acq: 17 Jan 2025 22:30

Tgt Ion: 77 Resp: 44787

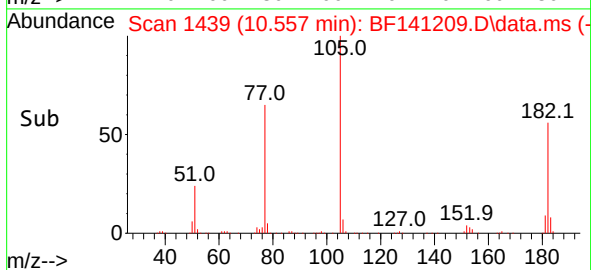
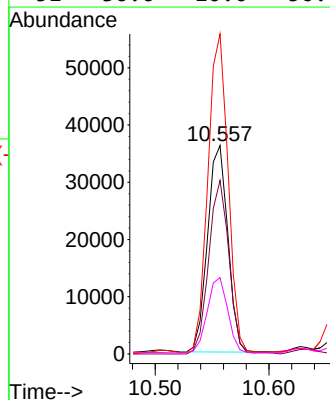
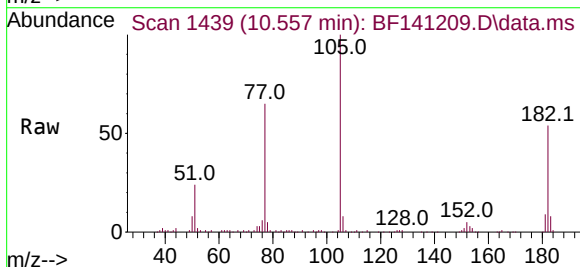
Ion Ratio Lower Upper

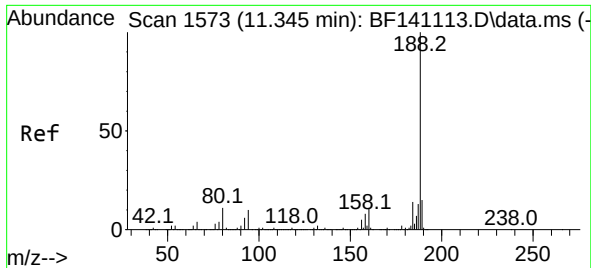
77 100

182 83.3 6.1 46.1#

105 153.5 2.1 42.1#

51 36.6 10.0 50.0

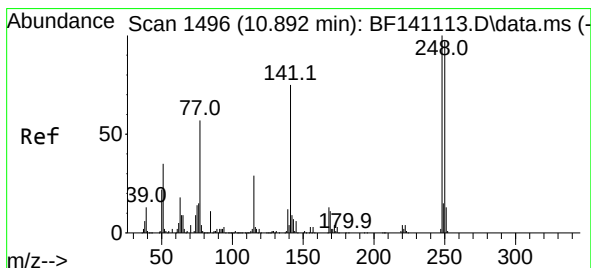
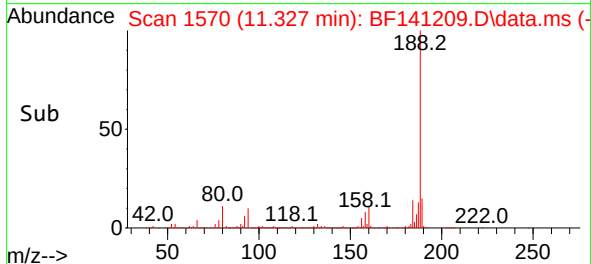
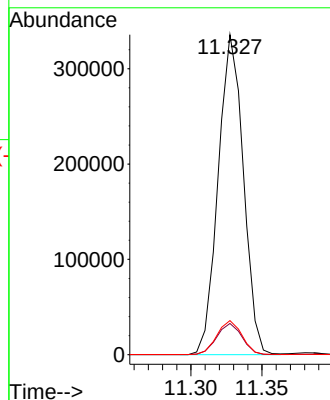
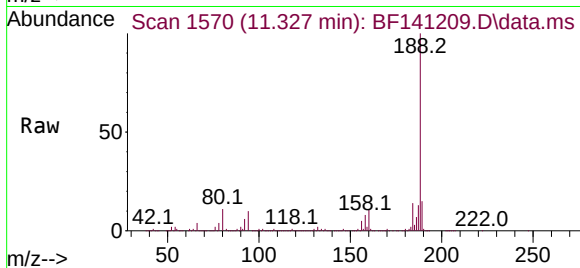




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141209.D
Acq: 17 Jan 2025 22:30

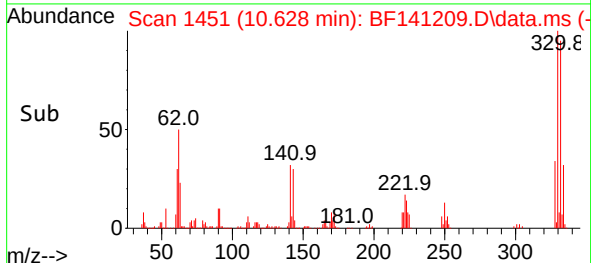
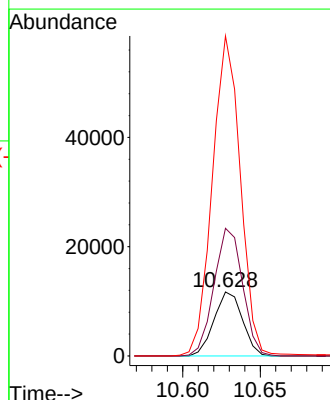
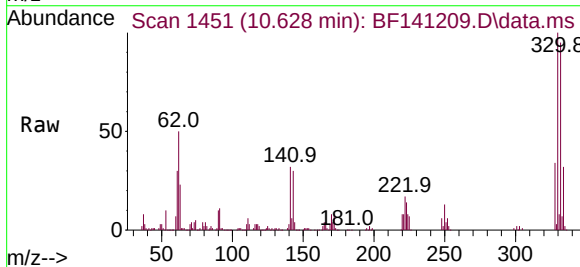
Instrument :
BNA_F
ClientSampleId :
72-11995

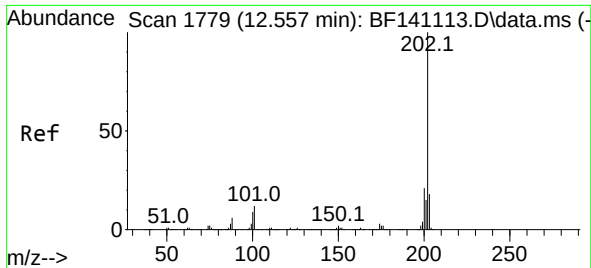
Tgt Ion:188 Resp: 414084
Ion Ratio Lower Upper
188 100
94 9.7 8.3 12.5
80 10.7 9.0 13.4



#67
4-Bromophenyl-phenylether
Concen: 3.143 ng
RT: 10.628 min Scan# 1451
Delta R.T. -0.265 min
Lab File: BF141209.D
Acq: 17 Jan 2025 22:30

Tgt Ion:248 Resp: 14983
Ion Ratio Lower Upper
248 100
250 199.5 77.9 116.9#
141 499.9 59.9 89.9#

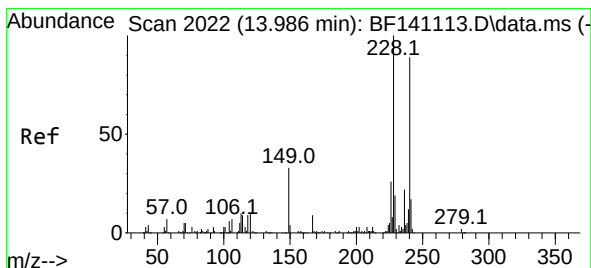
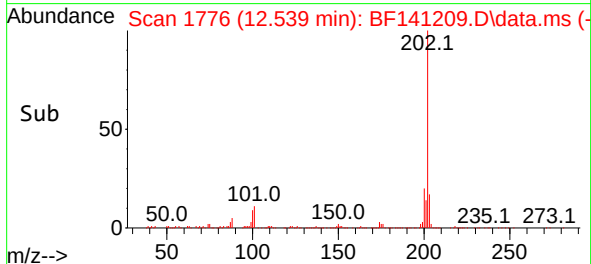
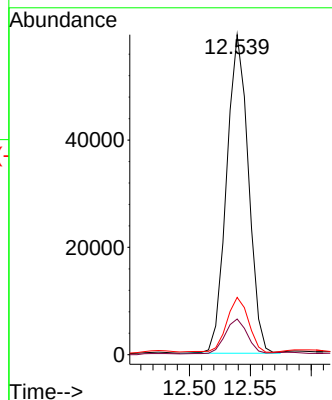
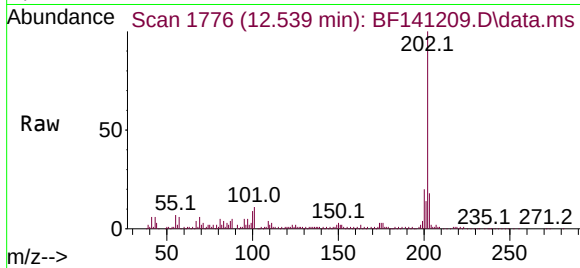




#75
Fluoranthene
Concen: 3.341 ng
RT: 12.539 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141209.D
Acq: 17 Jan 2025 22:30

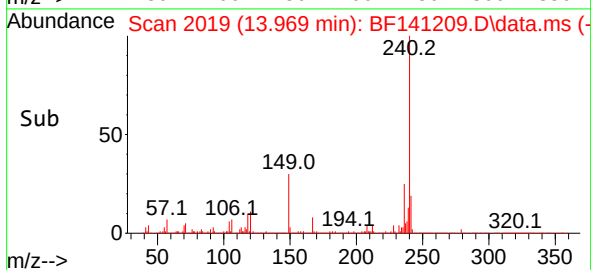
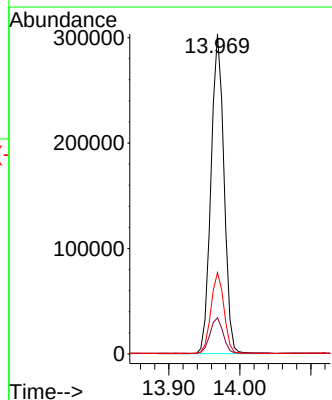
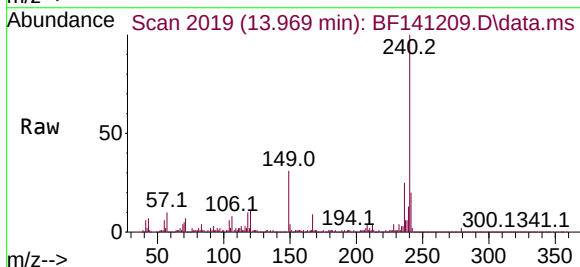
Instrument :
BNA_F
ClientSampleId :
72-11995

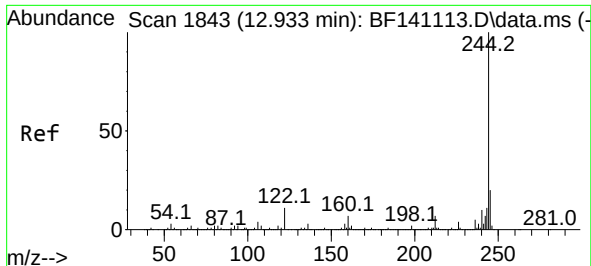
Tgt Ion:202 Resp: 74127
Ion Ratio Lower Upper
202 100
101 11.1 0.0 32.3
203 17.9 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.018 min
Lab File: BF141209.D
Acq: 17 Jan 2025 22:30

Tgt Ion:240 Resp: 387045
Ion Ratio Lower Upper
240 100
120 11.3 9.1 13.7
236 25.4 19.8 29.6

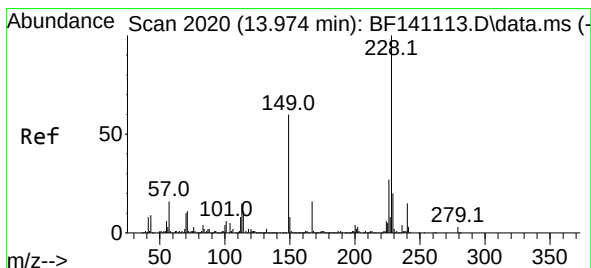
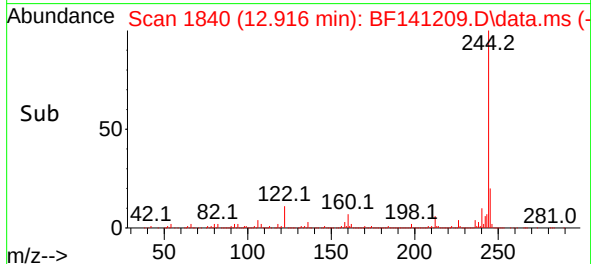
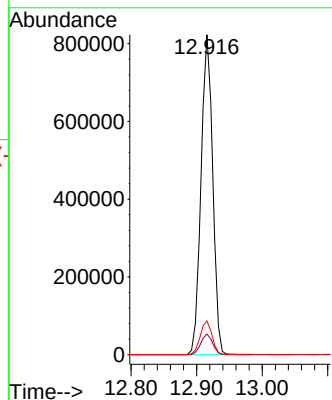
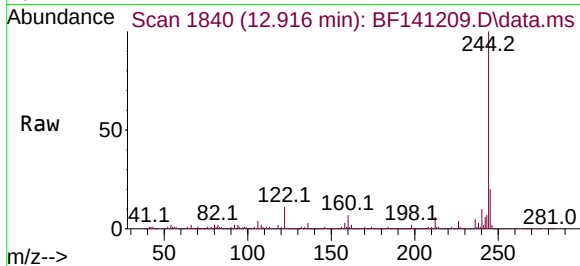




#79
 Terphenyl-d14
 Concen: 39.288 ng
 RT: 12.916 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF141209.D
 Acq: 17 Jan 2025 22:30

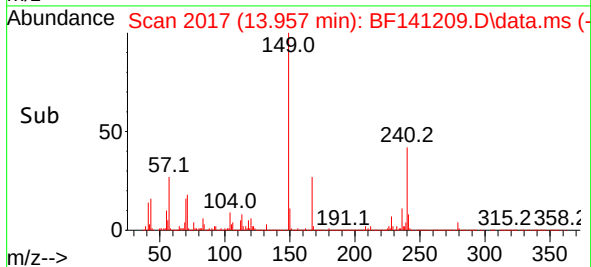
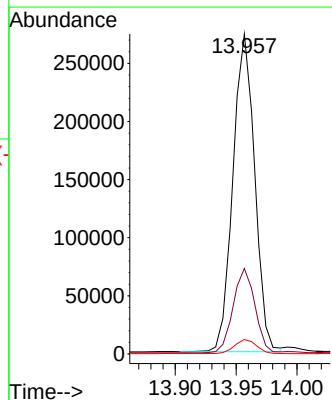
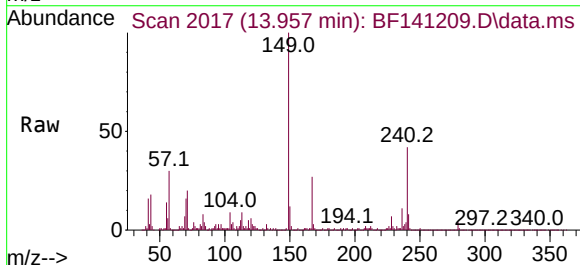
Instrument :
 BNA_F
 ClientSampleId :
 72-11995

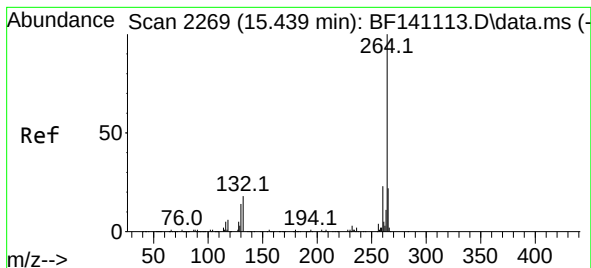
Tgt Ion:244 Resp: 1023101
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.2
 122 10.5 8.8 13.2



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 22.944 ng
 RT: 13.957 min Scan# 2017
 Delta R.T. -0.018 min
 Lab File: BF141209.D
 Acq: 17 Jan 2025 22:30

Tgt Ion:149 Resp: 339314
 Ion Ratio Lower Upper
 149 100
 167 26.7 21.4 32.2
 279 4.5 3.4 5.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2194

Delta R.T. -0.018 min

Lab File: BF141209.D

Acq: 17 Jan 2025 22:30

Instrument :

BNA_F

ClientSampleId :

72-11995

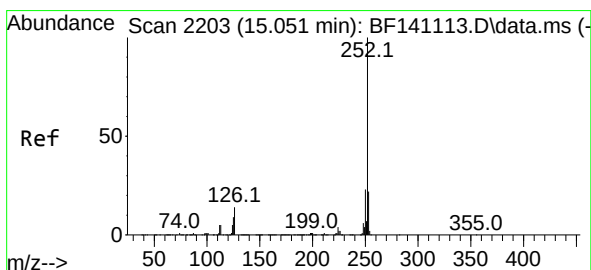
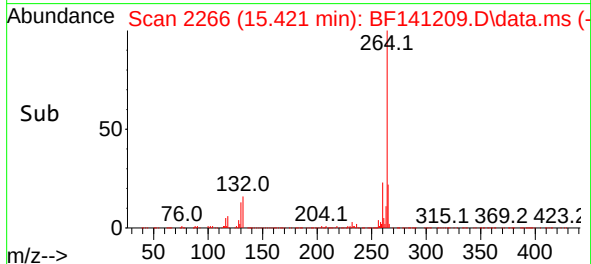
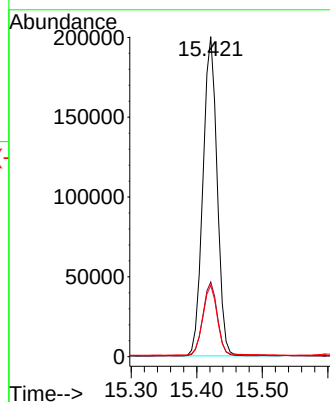
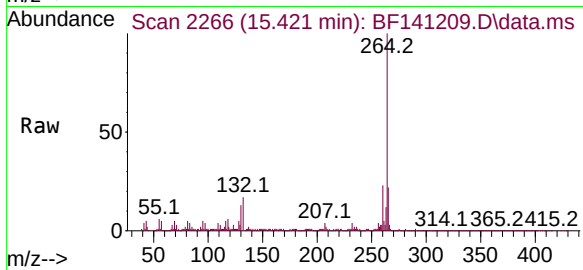
Tgt Ion:264 Resp: 303043

Ion Ratio Lower Upper

264 100

260 23.3 18.6 28.0

265 22.2 17.4 26.0



#89

Benzo(k)fluoranthene

Concen: 2.179 ng

RT: 14.998 min Scan# 2194

Delta R.T. -0.053 min

Lab File: BF141209.D

Acq: 17 Jan 2025 22:30

Tgt Ion:252 Resp: 35988

Ion Ratio Lower Upper

252 100

253 32.6 17.8 26.8#

125 30.6 7.9 11.9#

