

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
 Data File : BF144082.D
 Acq On : 27 Oct 2025 14:34
 Operator : RC/JU
 Sample : Q3404-01RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MOO-25-0285-0288

Quant Time: Oct 27 14:55:18 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 17:30:25 2025
 Response via : Initial Calibration

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

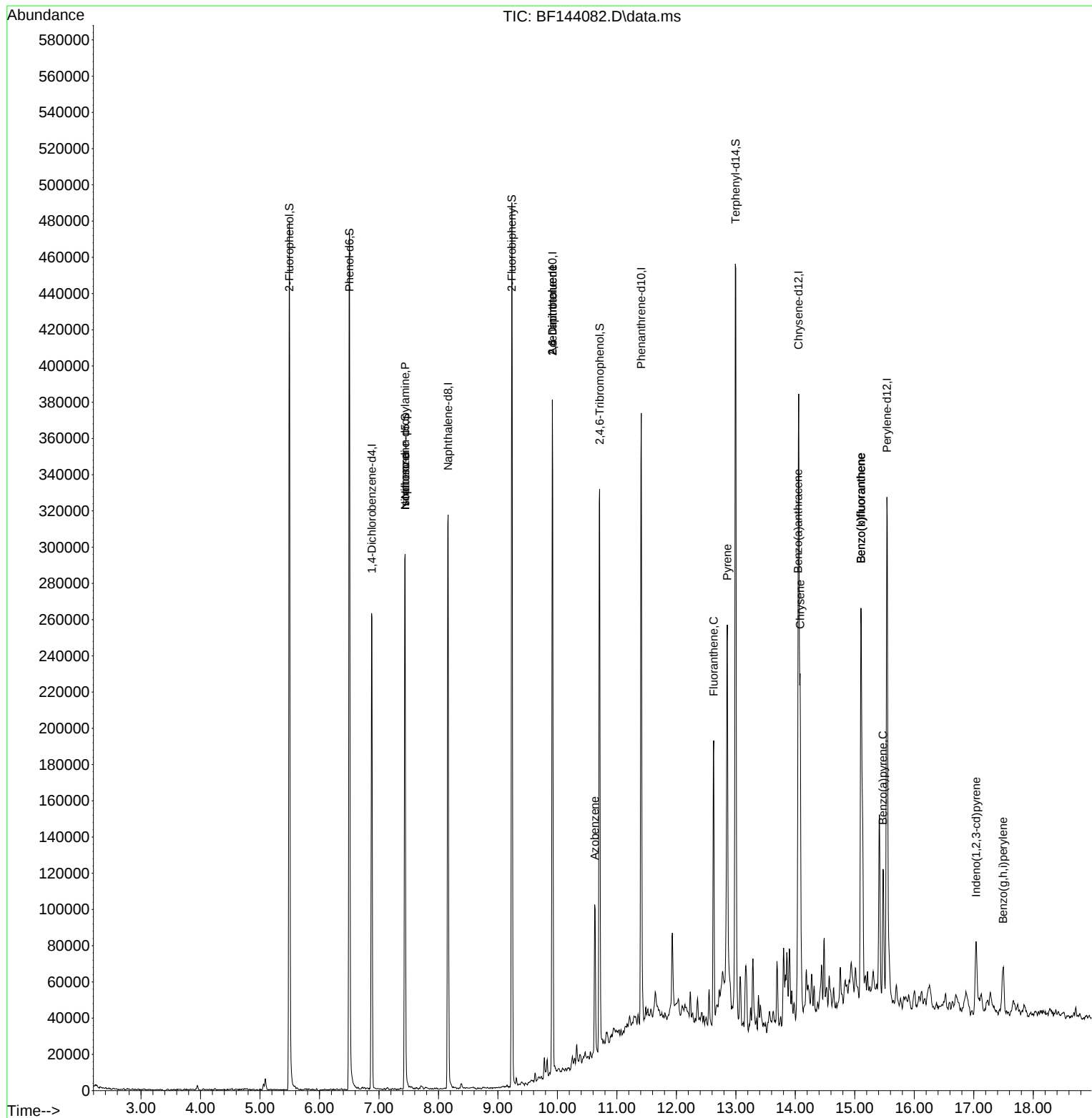
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	55170	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	211780	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	116608	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	182067	20.000	ng	0.00
76) Chrysene-d12	14.057	240	134958	20.000	ng	0.00
86) Perylene-d12	15.539	264	184122	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	183641	52.663	ng	0.00
7) Phenol-d6	6.504	99	205504	53.362	ng	0.00
23) Nitrobenzene-d5	7.440	82	127578	33.004	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	65358	44.001	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	223881	27.018	ng	0.00
79) Terphenyl-d14	12.998	244	218711	28.331	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	19231	7.722	ng	# 70
25) Isophorone	7.440	82	125684	18.598	ng	# 66
51) 2,6-Dinitrotoluene	9.916	165	14731	9.749	ng	# 22
57) 2,4-Dinitrotoluene	9.916	165	14731	7.223	ng	# 25
63) Azobenzene	10.628	77	22676	3.333	ng	# 1
75) Fluoranthene	12.627	202	93063	9.314	ng	100
78) Pyrene	12.857	202	123964	12.776	ng	98
81) Benzo(a)anthracene	14.045	228	54978	6.028	ng	96
83) Chrysene	14.080	228	117615	13.742	ng	97
87) Indeno(1,2,3-cd)pyrene	17.039	276	32630	2.581	ng	93
88) Benzo(b)fluoranthene	15.104	252	189368	18.193	ng	98
89) Benzo(k)fluoranthene	15.104	252	189368	19.718	ng	98
90) Benzo(a)pyrene	15.474	252	47606	5.098	ng	# 98
92) Benzo(g,h,i)perylene	17.492	276	26006	2.585	ng	# 95

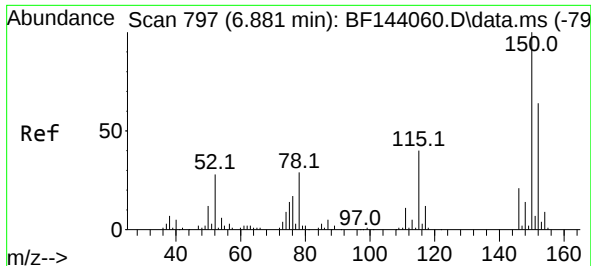
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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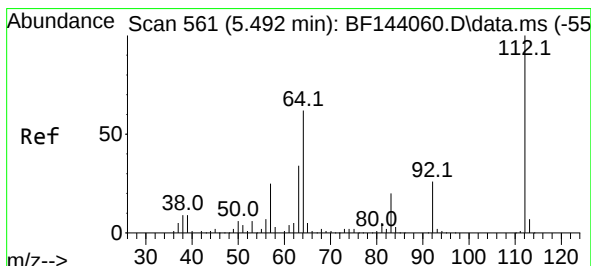
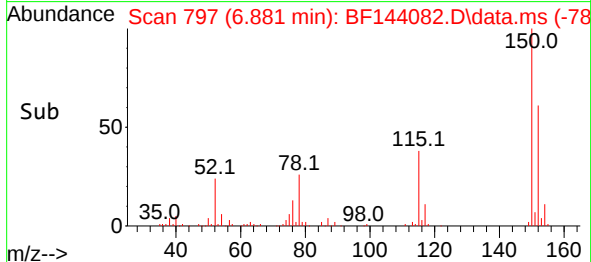
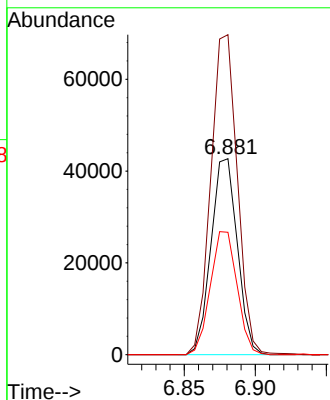
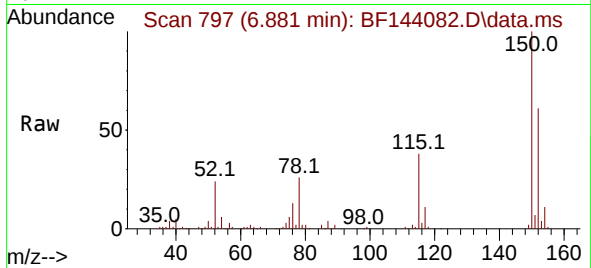




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.000 min
Lab File: BF144082.D
Acq: 27 Oct 2025 14:34

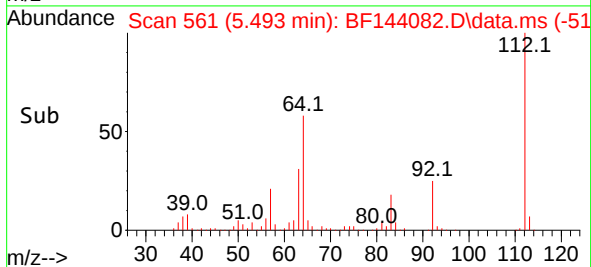
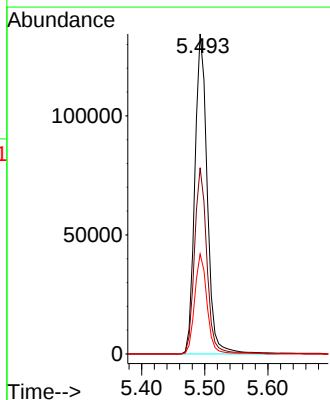
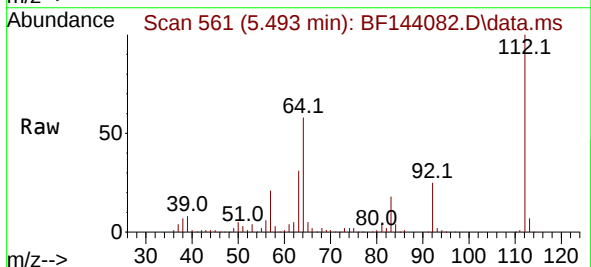
Instrument :
BNA_F
ClientSampleId :
MOO-25-0285-0288

Tgt Ion:152 Resp: 55170
Ion Ratio Lower Upper
152 100
150 163.2 124.4 186.6
115 62.5 49.4 74.0



#5
2-Fluorophenol
Concen: 52.663 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF144082.D
Acq: 27 Oct 2025 14:34

Tgt Ion:112 Resp: 183641
Ion Ratio Lower Upper
112 100
64 58.2 49.8 74.8
63 31.2 27.4 41.2

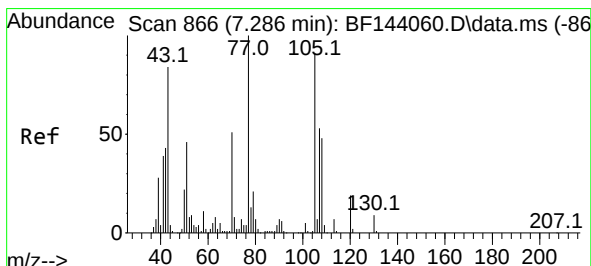
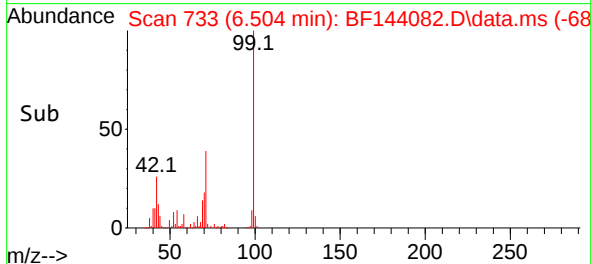
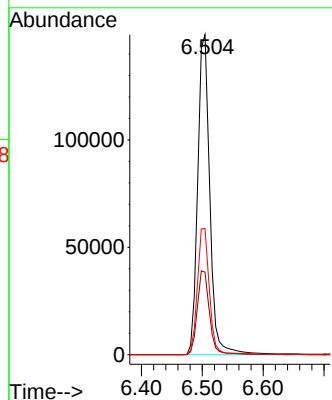
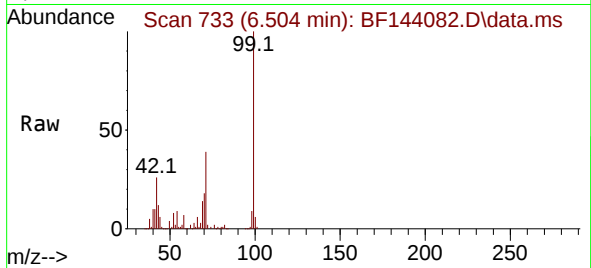




#7
Phenol-d6
Concen: 53.362 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF144082.D
Acq: 27 Oct 2025 14:34

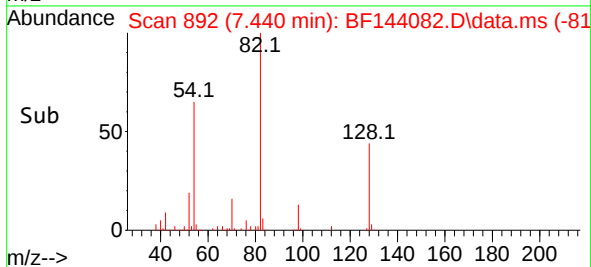
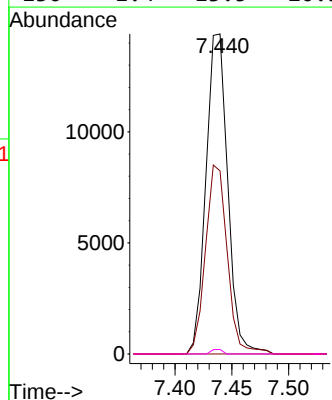
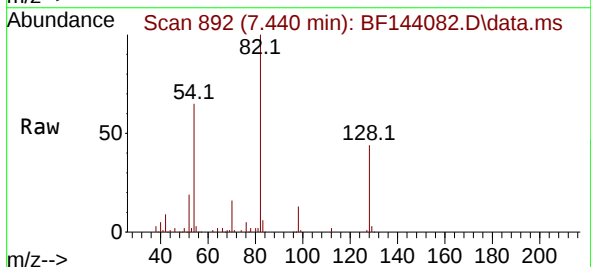
Instrument :
BNA_F
ClientSampleId :
MOO-25-0285-0288

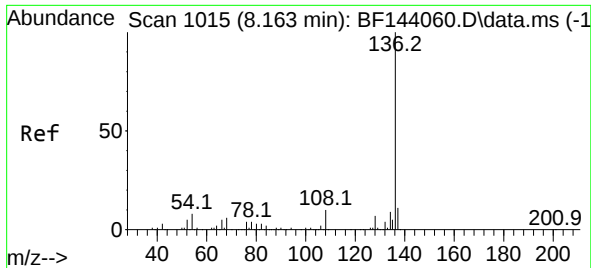
Tgt Ion: 99 Resp: 205504
Ion Ratio Lower Upper
99 100
42 25.8 23.9 35.9
71 39.4 34.4 51.6



#19
n-Nitroso-di-n-propylamine
Concen: 7.722 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.153 min
Lab File: BF144082.D
Acq: 27 Oct 2025 14:34

Tgt Ion: 70 Resp: 19231
Ion Ratio Lower Upper
70 100
42 57.2 67.4 101.0#
101 0.0 7.1 10.7#
130 1.4 13.5 20.3#

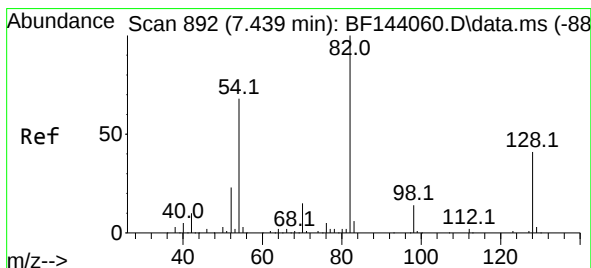
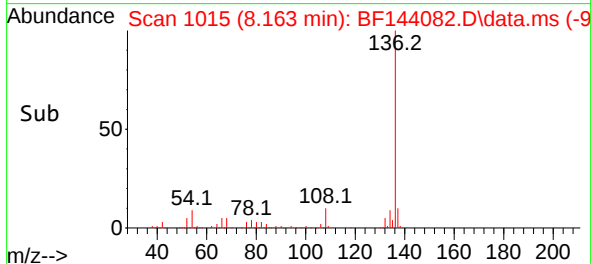
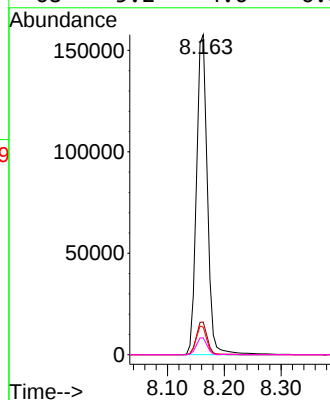
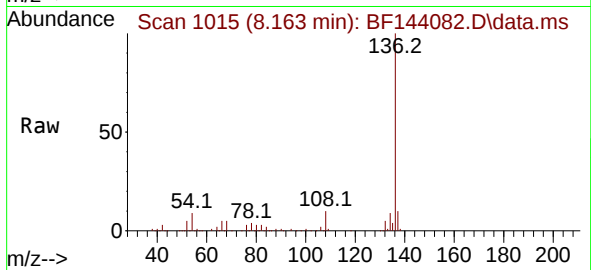




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. 0.000 min
Lab File: BF144082.D
Acq: 27 Oct 2025 14:34

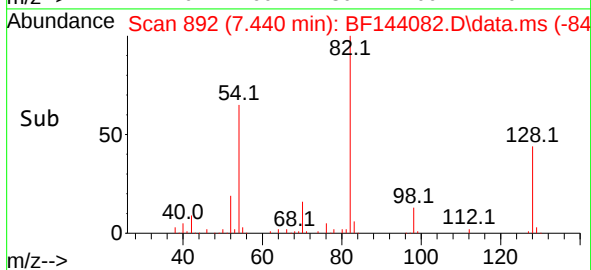
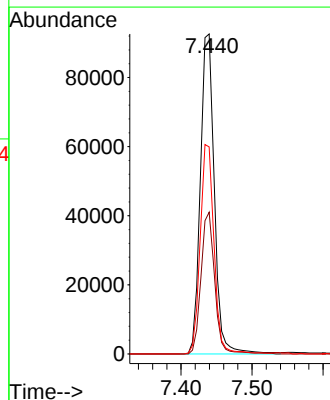
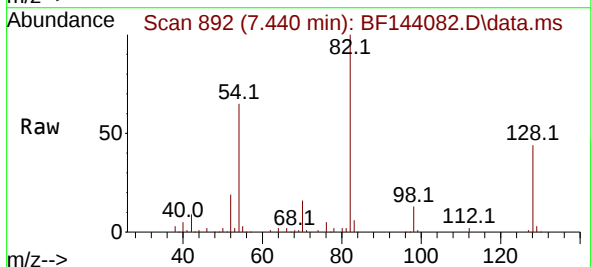
Instrument :
BNA_F
ClientSampleId :
MOO-25-0285-0288

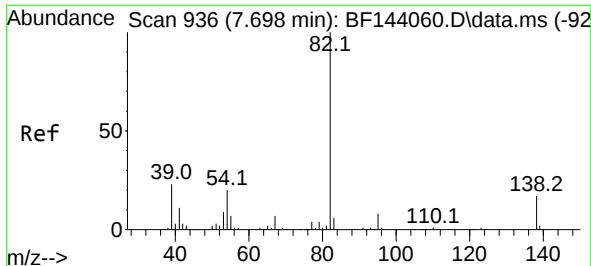
Tgt Ion:	136	Resp:	211780
Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.6	13.0
54	8.6	6.6	9.8
68	5.2	4.6	6.8



#23
Nitrobenzene-d5
Concen: 33.004 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF144082.D
Acq: 27 Oct 2025 14:34

Tgt Ion:	82	Resp:	127578
Ion	Ratio	Lower	Upper
82	100		
128	44.3	32.4	48.6
54	64.7	54.0	81.0

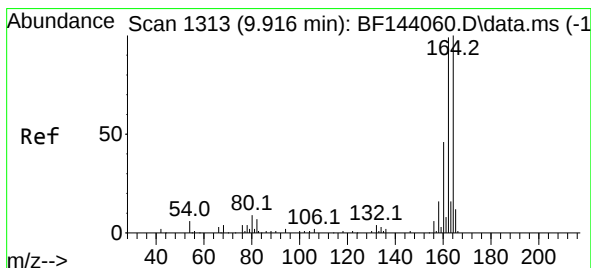
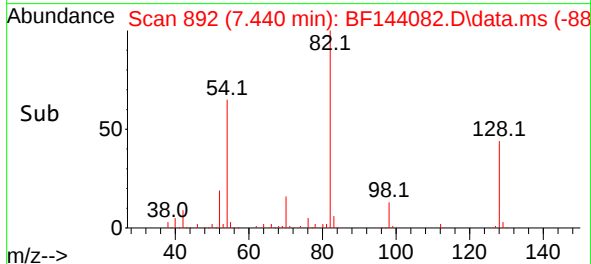
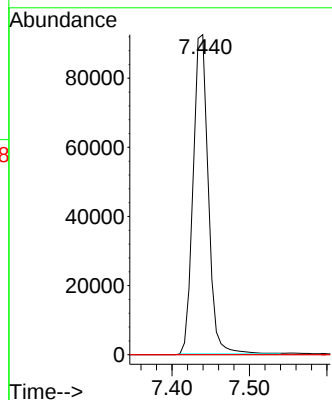
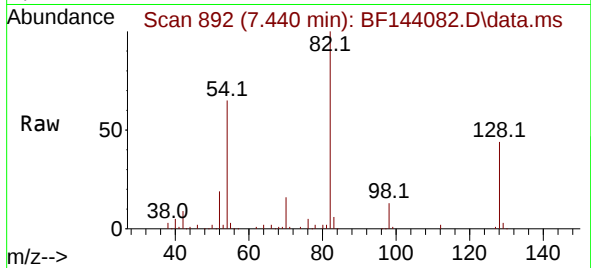




#25
Isophorone
Concen: 18.598 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.259 min
Lab File: BF144082.D
Acq: 27 Oct 2025 14:34

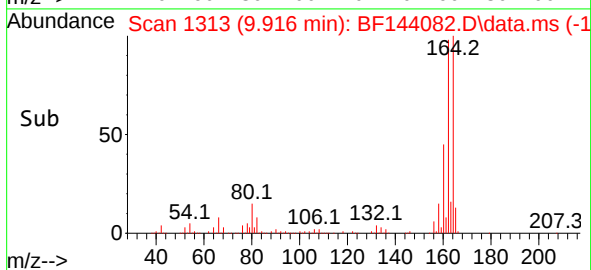
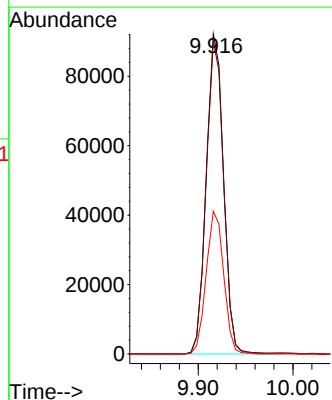
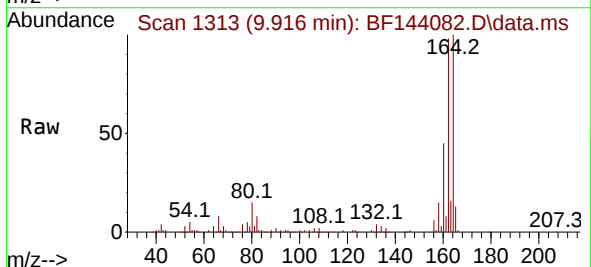
Instrument :
BNA_F
ClientSampleId :
MOO-25-0285-0288

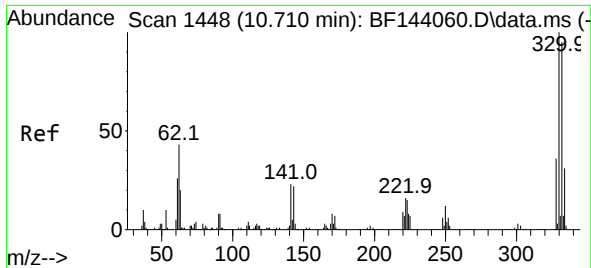
Tgt Ion: 82 Resp: 125684
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF144082.D
Acq: 27 Oct 2025 14:34

Tgt Ion:164 Resp: 116608
Ion Ratio Lower Upper
164 100
162 97.8 79.4 119.2
160 44.6 36.7 55.1

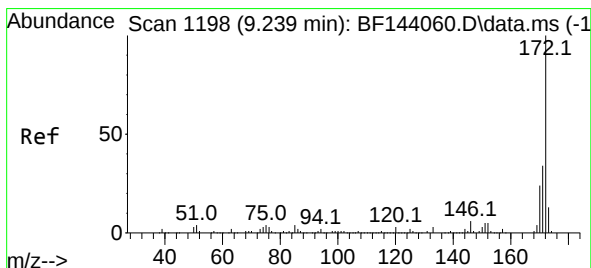
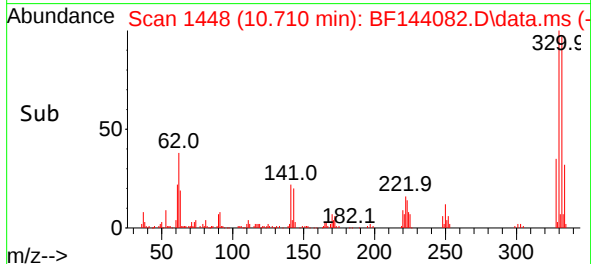
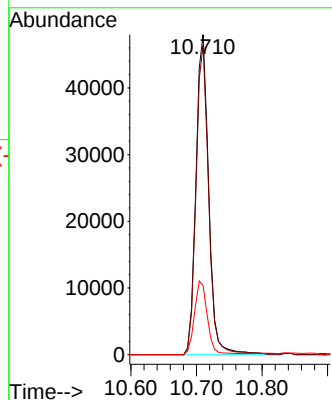
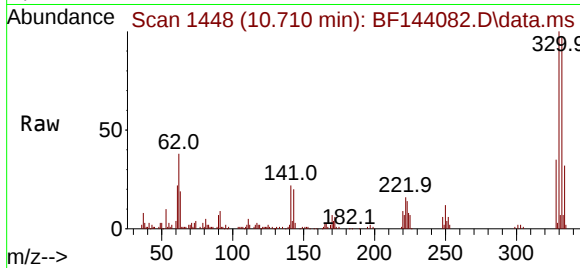




#42
2,4,6-Tribromophenol
Concen: 44.001 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF144082.D
Acq: 27 Oct 2025 14:34

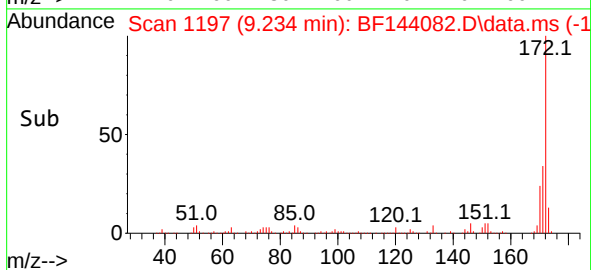
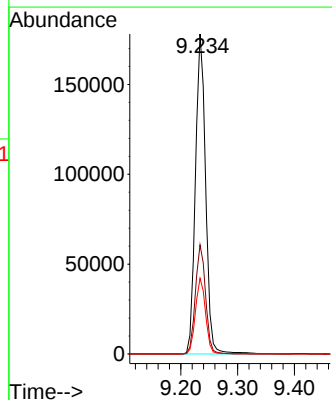
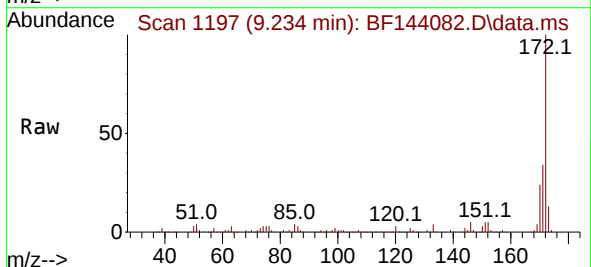
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BNA_F
ClientSampleId :
MOO-25-0285-0288

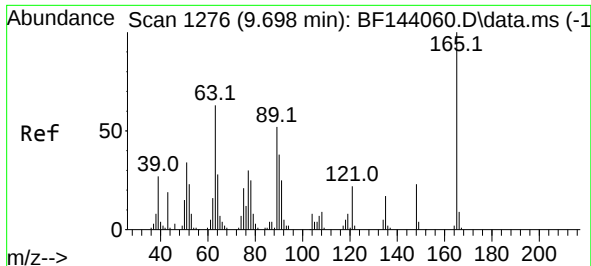
Tgt Ion:330 Resp: 65358
Ion Ratio Lower Upper
330 100
332 95.1 77.0 115.6
141 23.4 19.4 29.0



#45
2-Fluorobiphenyl
Concen: 27.018 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF144082.D
Acq: 27 Oct 2025 14:34

Tgt Ion:172 Resp: 223881
Ion Ratio Lower Upper
172 100
171 34.1 27.5 41.3
170 23.6 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 9.749 ng

RT: 9.916 min Scan# 1

Delta R.T. 0.218 min

Lab File: BF144082.D

Acq: 27 Oct 2025 14:34

Instrument :

BNA_F

ClientSampleId :

MOO-25-0285-0288

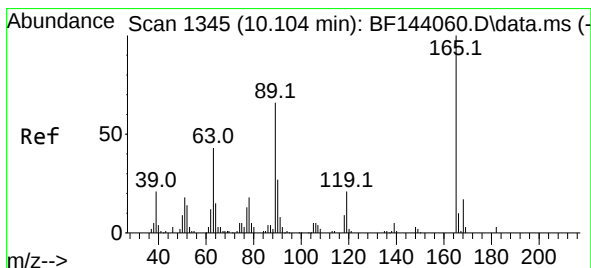
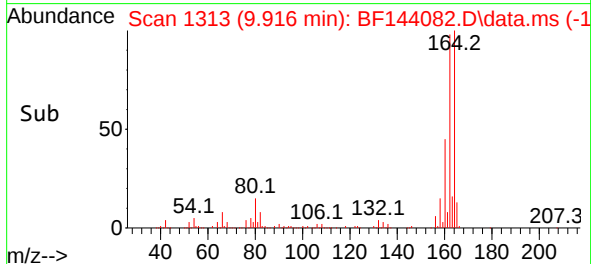
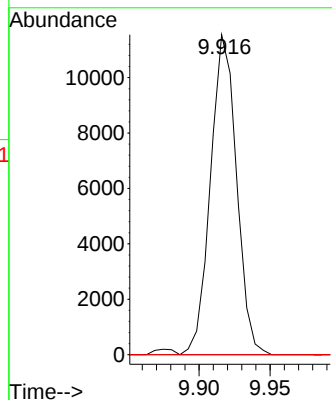
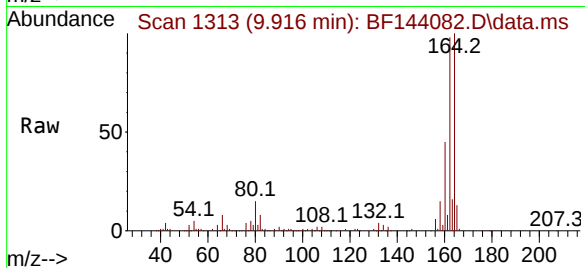
Tgt Ion:165 Resp: 14731

Ion Ratio Lower Upper

165 100

63 0.0 50.4 75.6#

89 0.0 41.4 62.2#



#57

2,4-Dinitrotoluene

Concen: 7.223 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.188 min

Lab File: BF144082.D

Acq: 27 Oct 2025 14:34

Tgt Ion:165 Resp: 14731

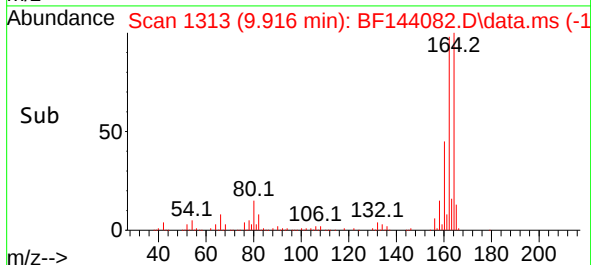
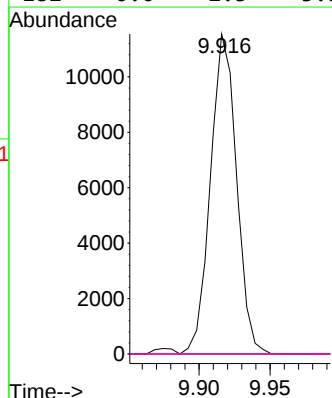
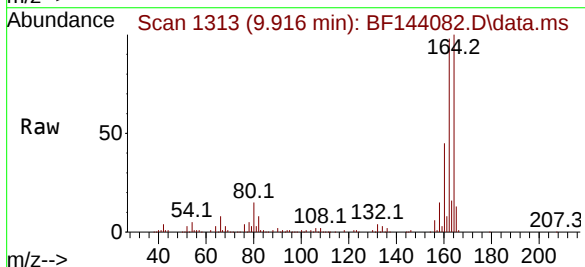
Ion Ratio Lower Upper

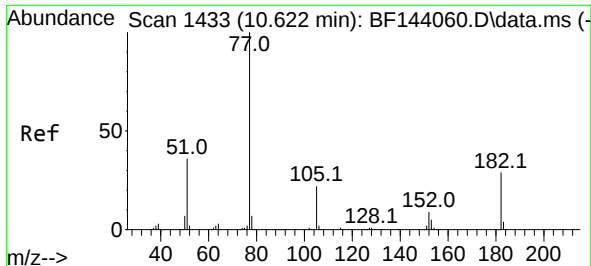
165 100

63 0.0 35.4 53.2#

89 0.0 52.7 79.1#

182 0.0 2.3 3.5#

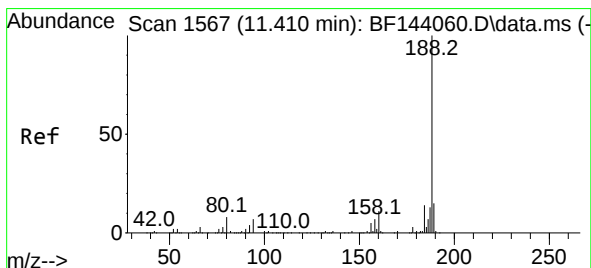
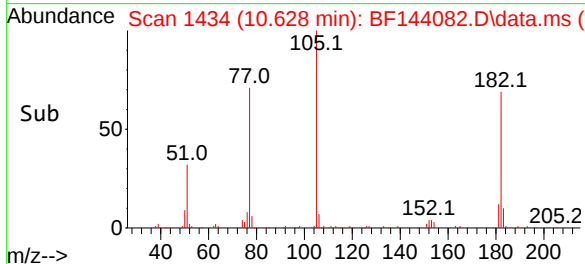
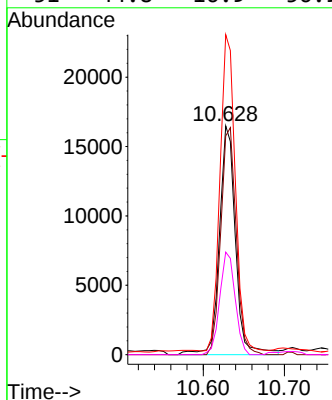
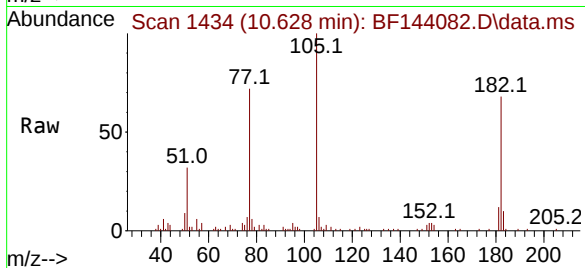




#63
Azobenzene
Concen: 3.333 ng
RT: 10.628 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF144082.D
Acq: 27 Oct 2025 14:34

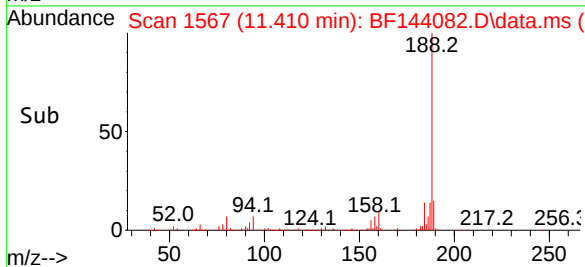
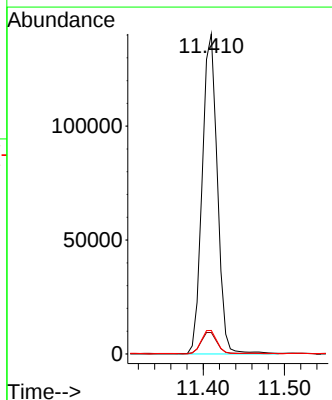
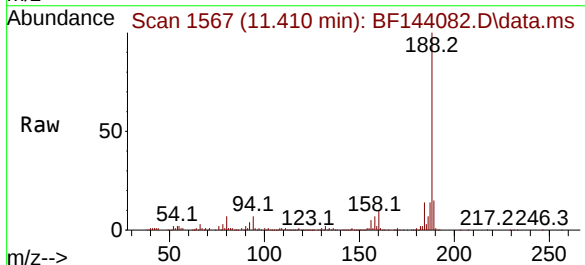
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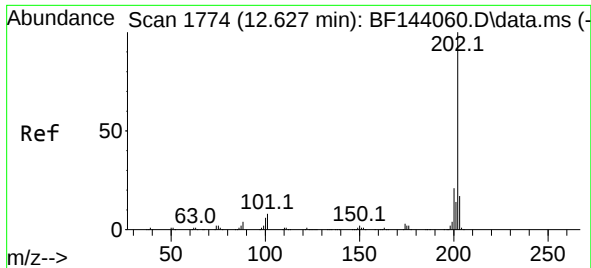
Tgt Ion: 77	Resp: 22676
Ion Ratio	Lower Upper
77 100	
182 95.6	9.0 49.0#
105 139.8	1.4 41.4#
51 44.8	16.9 56.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144082.D
Acq: 27 Oct 2025 14:34

Tgt Ion:188	Resp: 182067
Ion Ratio	Lower Upper
188 100	
94 6.7	5.4 8.0
80 7.4	6.0 9.0

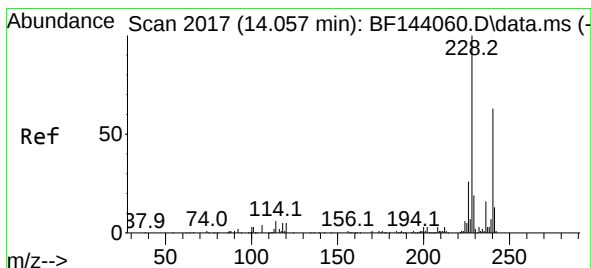
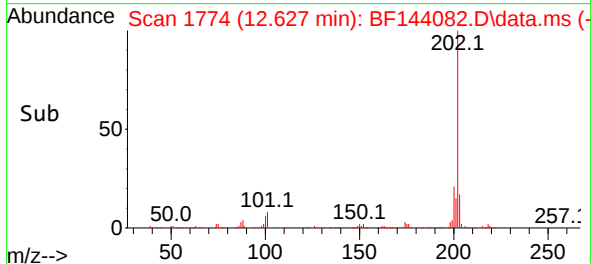
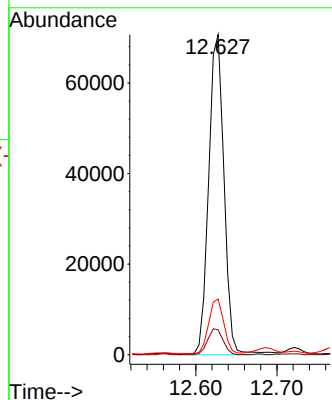
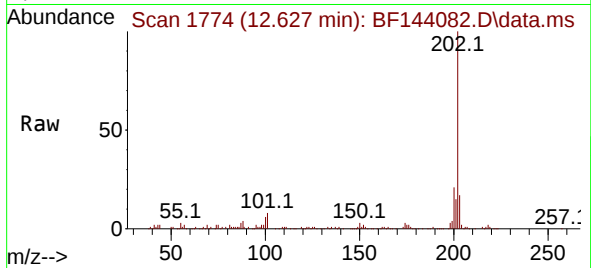




#75
Fluoranthene
Concen: 9.314 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF144082.D
Acq: 27 Oct 2025 14:34

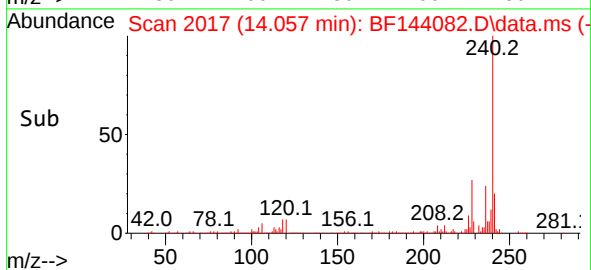
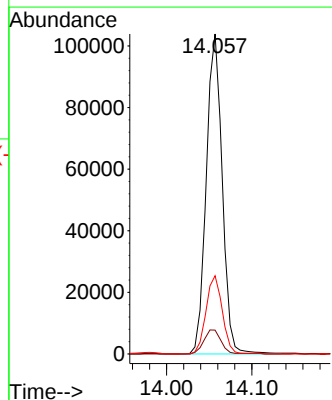
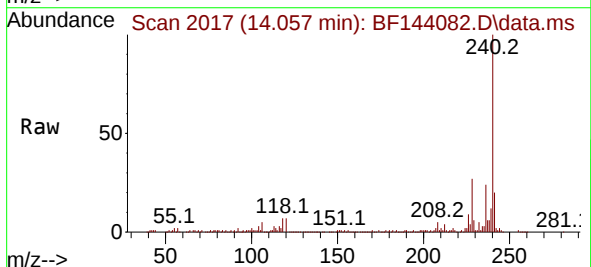
Instrument :
BNA_F
ClientSampleId :
MOO-25-0285-0288

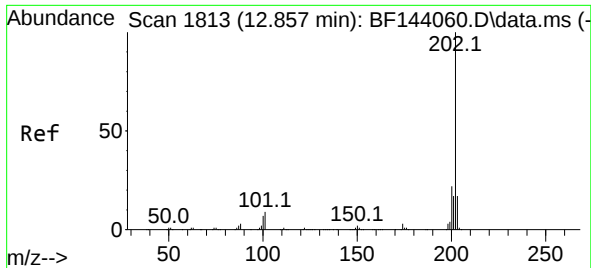
Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.8	0.0	27.7
203	17.4	0.0	37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144082.D
Acq: 27 Oct 2025 14:34

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.4	6.5	9.7
236	24.5	20.1	30.1

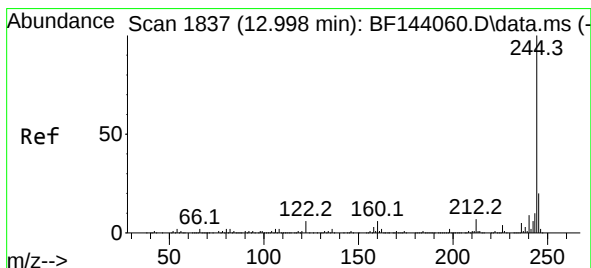
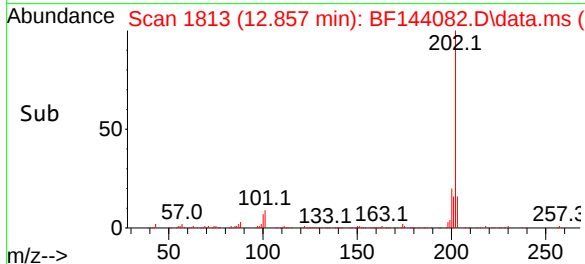
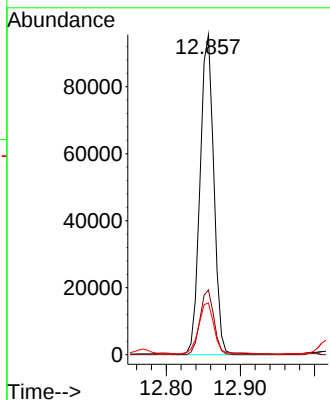
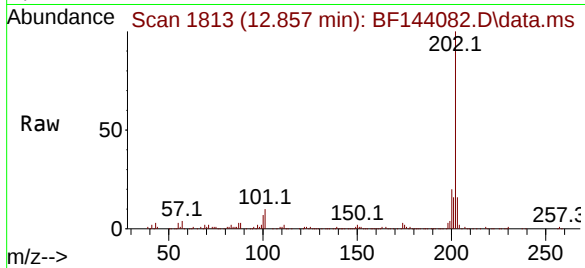




#78
 Pyrene
 Concen: 12.776 ng
 RT: 12.857 min Scan# 1813
 Delta R.T. 0.000 min
 Lab File: BF144082.D
 Acq: 27 Oct 2025 14:34

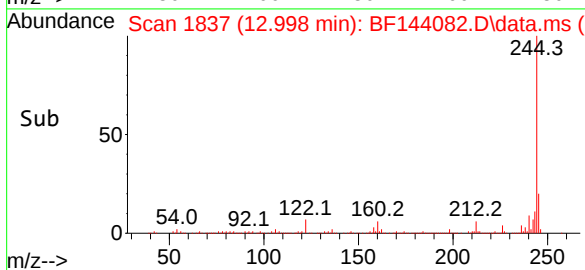
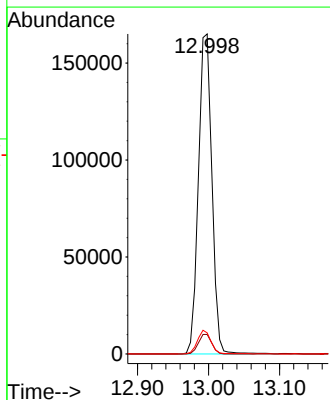
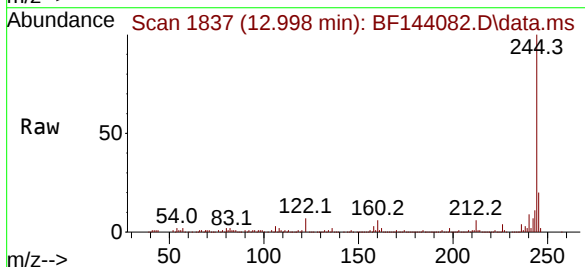
Instrument :
 BNA_F
 ClientSampleId :
 MOO-25-0285-0288

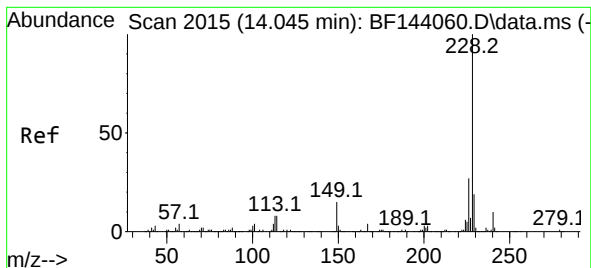
Tgt Ion:	202	Resp:	123964
Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.2	25.8
203	16.1	13.5	20.3



#79
 Terphenyl-d14
 Concen: 28.331 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. 0.000 min
 Lab File: BF144082.D
 Acq: 27 Oct 2025 14:34

Tgt Ion:	244	Resp:	218711
Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.8	8.6
122	6.6	4.9	7.3





#81

Benzo(a)anthracene

Concen: 6.028 ng

RT: 14.045 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BF144082.D

Acq: 27 Oct 2025 14:34

Instrument :

BNA_F

ClientSampleId :

MOO-25-0285-0288

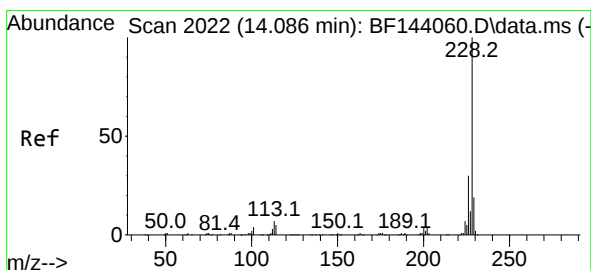
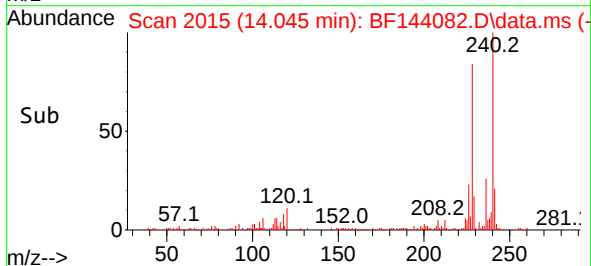
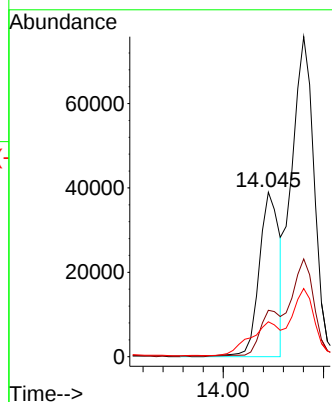
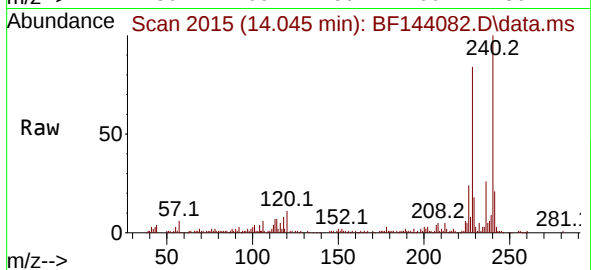
Tgt Ion:228 Resp: 54978

Ion Ratio Lower Upper

228 100

226 28.3 21.4 32.2

229 21.2 15.3 22.9



#83

Chrysene

Concen: 13.742 ng

RT: 14.080 min Scan# 2021

Delta R.T. -0.006 min

Lab File: BF144082.D

Acq: 27 Oct 2025 14:34

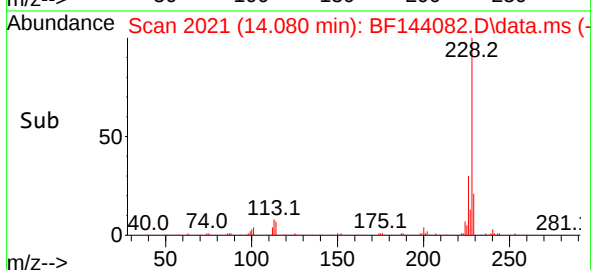
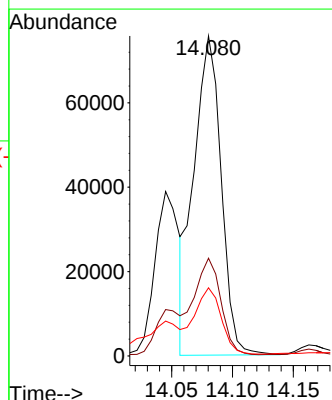
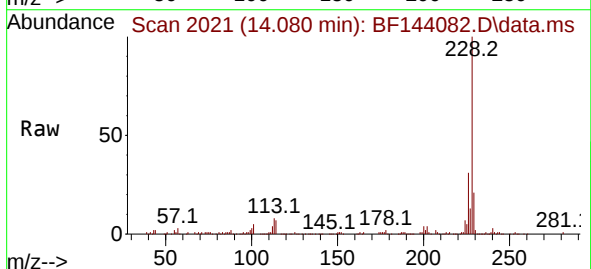
Tgt Ion:228 Resp: 117615

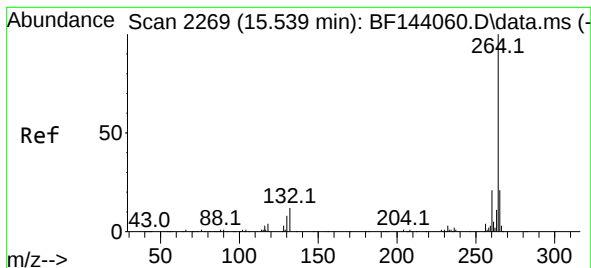
Ion Ratio Lower Upper

228 100

226 30.6 23.8 35.6

229 21.3 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF144082.D

Acq: 27 Oct 2025 14:34

Instrument :

BNA_F

ClientSampleId :

MOO-25-0285-0288

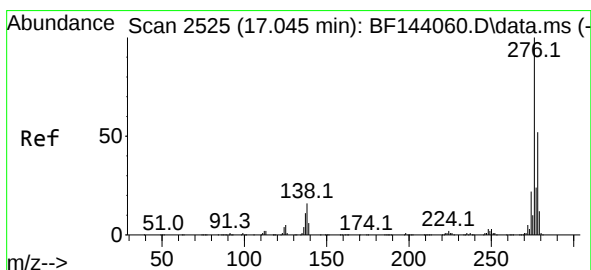
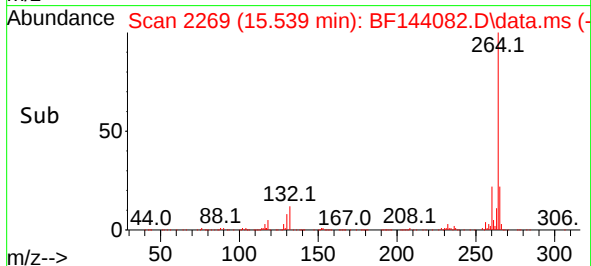
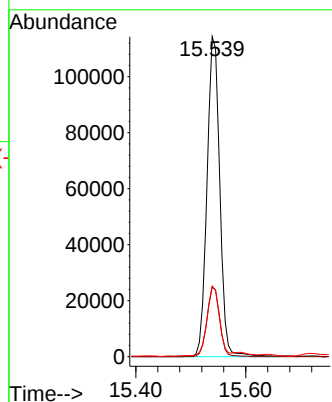
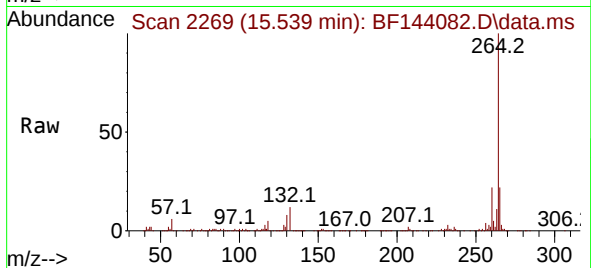
Tgt Ion:264 Resp: 184122

Ion Ratio Lower Upper

264 100

260 21.7 17.0 25.4

265 22.1 16.6 24.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.581 ng

RT: 17.039 min Scan# 2524

Delta R.T. -0.006 min

Lab File: BF144082.D

Acq: 27 Oct 2025 14:34

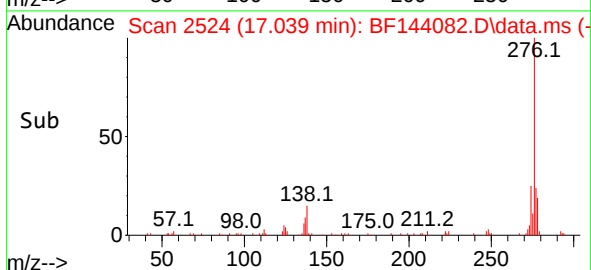
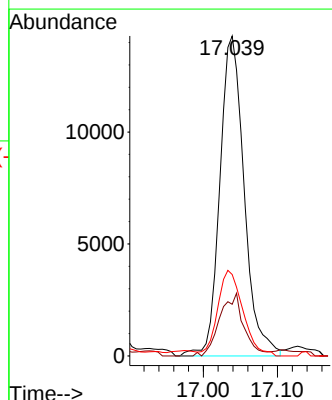
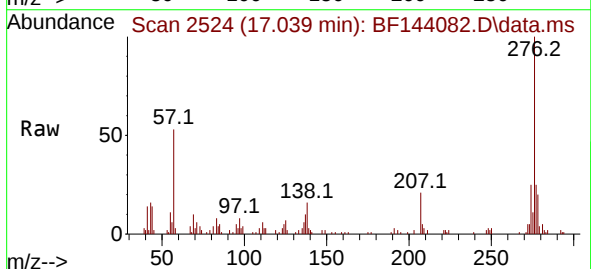
Tgt Ion:276 Resp: 32630

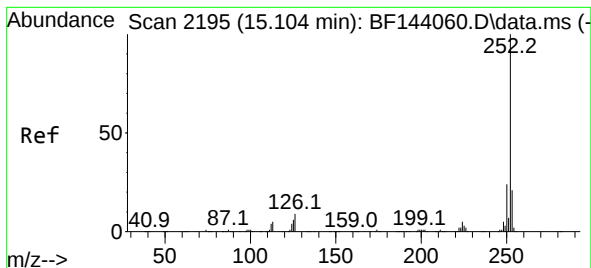
Ion Ratio Lower Upper

276 100

138 19.3 13.0 19.6

277 27.8 19.4 29.0





#88

Benzo(b)fluoranthene

Concen: 18.193 ng

RT: 15.104 min Scan# 2195

Delta R.T. 0.000 min

Lab File: BF144082.D

Acq: 27 Oct 2025 14:34

Instrument :

BNA_F

ClientSampleId :

MOO-25-0285-0288

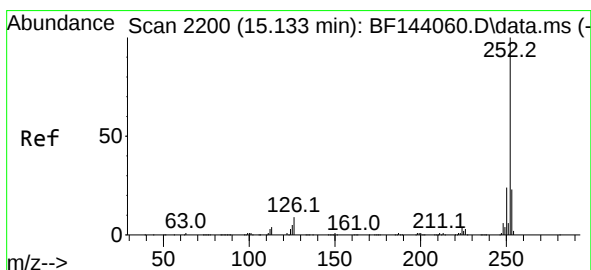
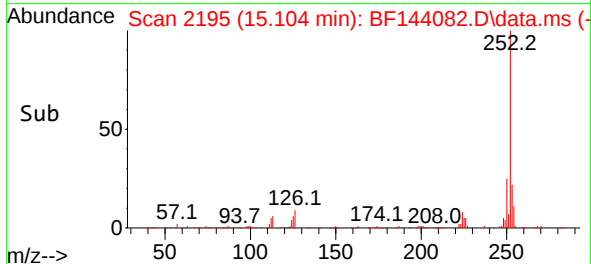
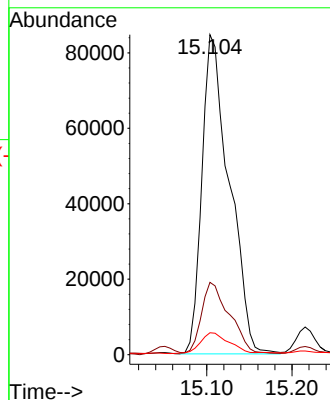
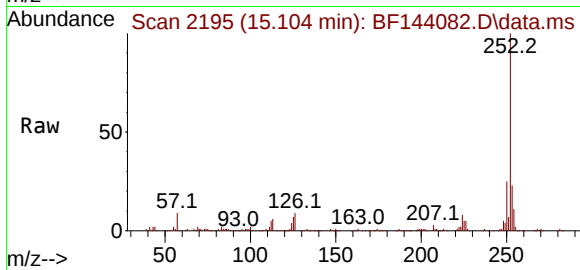
Tgt Ion:252 Resp: 189368

Ion Ratio Lower Upper

252 100

253 22.6 17.2 25.8

125 6.9 5.0 7.6



#89

Benzo(k)fluoranthene

Concen: 19.718 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.029 min

Lab File: BF144082.D

Acq: 27 Oct 2025 14:34

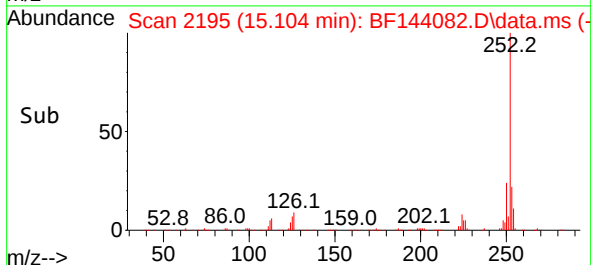
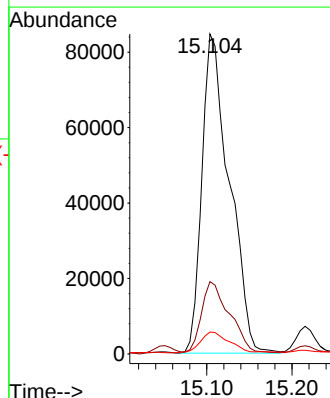
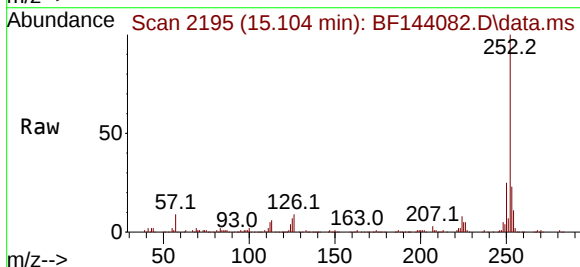
Tgt Ion:252 Resp: 189368

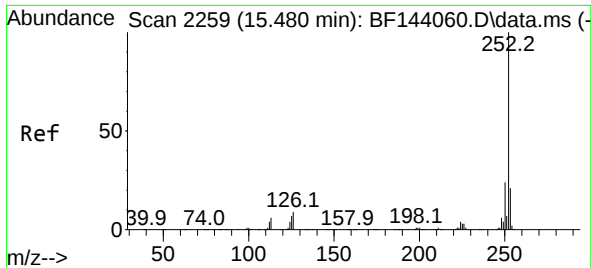
Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.2

125 6.9 4.9 7.3

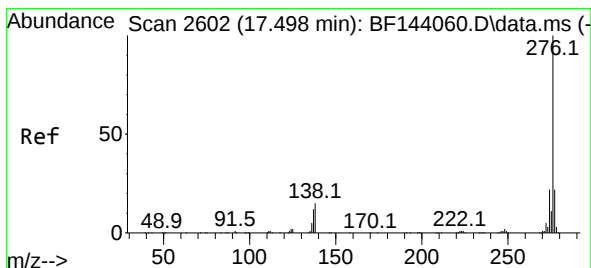
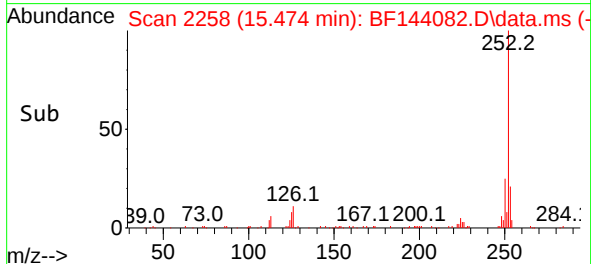
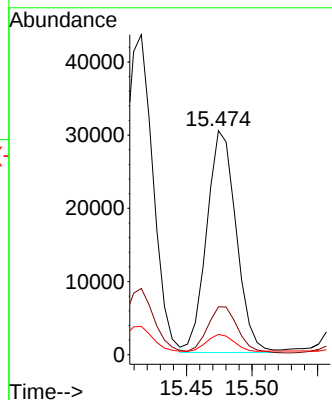
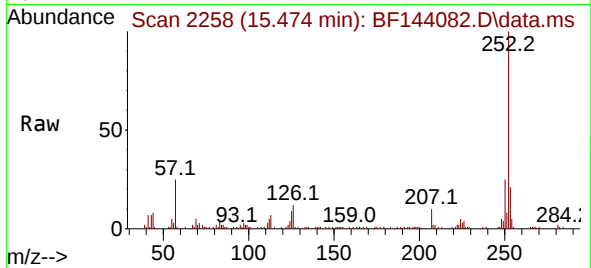




#90
Benzo(a)pyrene
Concen: 5.098 ng
RT: 15.474 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF144082.D
Acq: 27 Oct 2025 14:34

Instrument :
BNA_F
ClientSampleId :
MOO-25-0285-0288

Tgt Ion:252 Resp: 47606
Ion Ratio Lower Upper
252 100
253 21.4 17.1 25.7
125 9.0 5.4 8.2#



#92
Benzo(g,h,i)perylene
Concen: 2.585 ng
RT: 17.492 min Scan# 2601
Delta R.T. -0.006 min
Lab File: BF144082.D
Acq: 27 Oct 2025 14:34

Tgt Ion:276 Resp: 26006
Ion Ratio Lower Upper
276 100
277 23.8 17.9 26.9
138 18.8 12.0 18.0#

