

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072125\
 Data File : BF143175.D
 Acq On : 21 Jul 2025 16:58
 Operator : RC/JU
 Sample : Q2651-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH 9-8

Quant Time: Jul 21 17:29:34 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

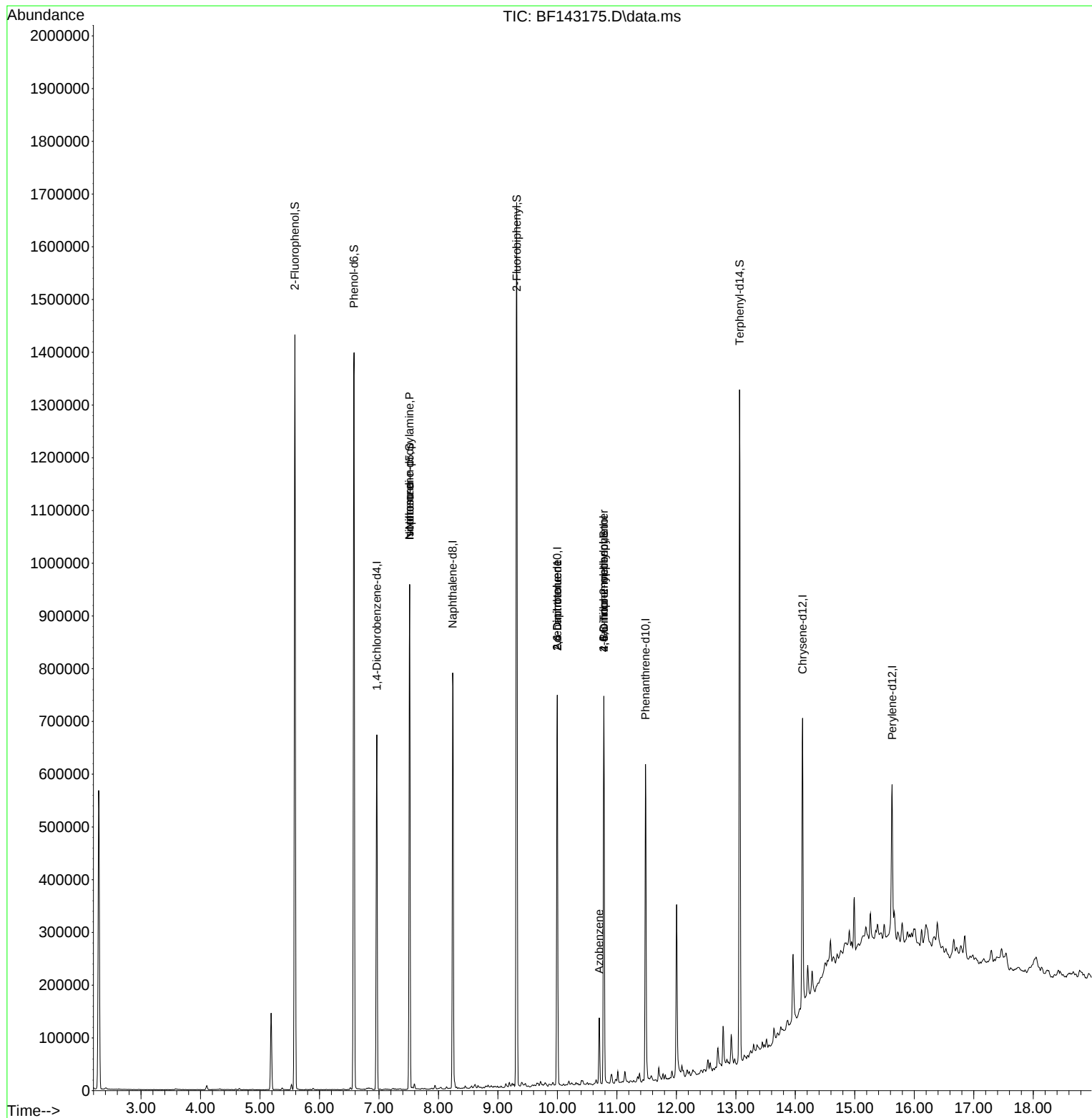
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	134165	20.000	ng	0.00
21) Naphthalene-d8	8.240	136	475638	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	208826	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	294164	20.000	ng	0.00
76) Chrysene-d12	14.121	240	252469	20.000	ng	0.00
86) Perylene-d12	15.627	264	168445	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	502178	59.231	ng	0.00
7) Phenol-d6	6.581	99	629286	58.969	ng	0.00
23) Nitrobenzene-d5	7.516	82	389282	40.797	ng	0.00
42) 2,4,6-Tribromophenol	10.781	330	116869	54.174	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	708994	46.433	ng	0.00
79) Terphenyl-d14	13.063	244	599687	35.347	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	52492	7.667	ng	# 79
25) Isophorone	7.516	82	388122	23.041	ng	# 66
51) 2,6-Dinitrotoluene	9.998	165	27108	9.790	ng	# 23
57) 2,4-Dinitrotoluene	9.998	165	27108	7.803	ng	# 21
63) Azobenzene	10.704	77	29302	2.090	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.781	198	57	5.445	ng	# 1
67) 4-Bromophenyl-phenylether	10.781	248	7726	2.204	ng	# 1

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

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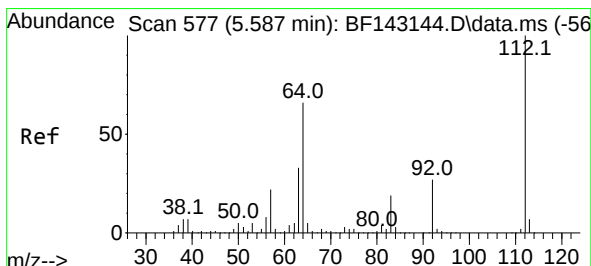
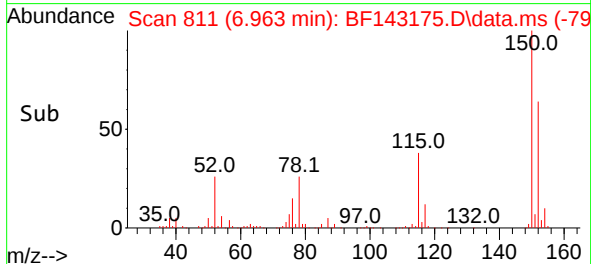
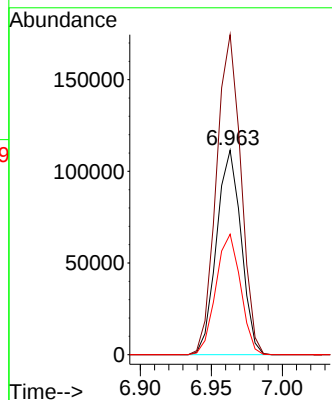
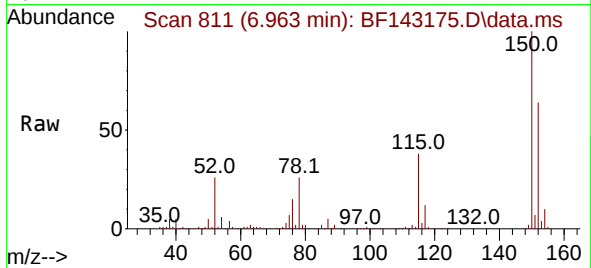




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143175.D
Acq: 21 Jul 2025 16:58

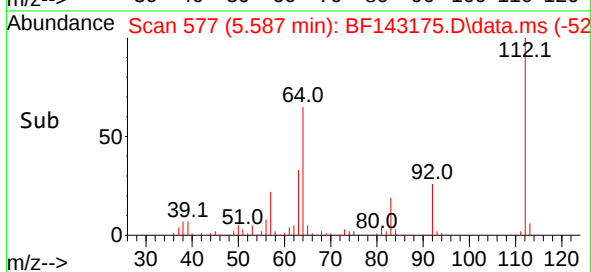
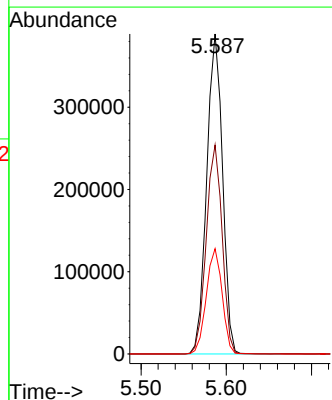
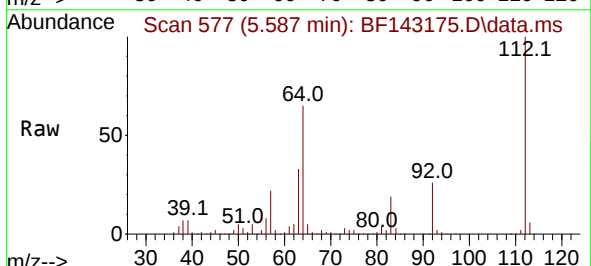
Instrument :
BNA_F
ClientSampleId :
MH 9-8

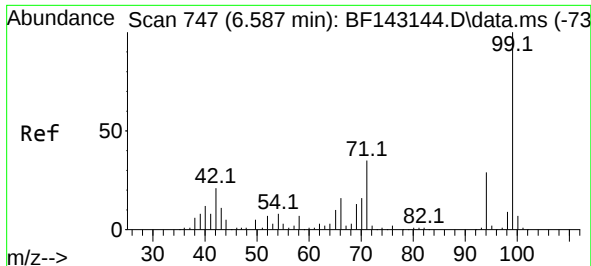
Tgt Ion:152 Resp: 134165
Ion Ratio Lower Upper
152 100
150 156.5 128.2 192.4
115 58.9 47.9 71.9



#5
2-Fluorophenol
Concen: 59.231 ng
RT: 5.587 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF143175.D
Acq: 21 Jul 2025 16:58

Tgt Ion:112 Resp: 502178
Ion Ratio Lower Upper
112 100
64 65.3 53.1 79.7
63 32.9 26.6 40.0

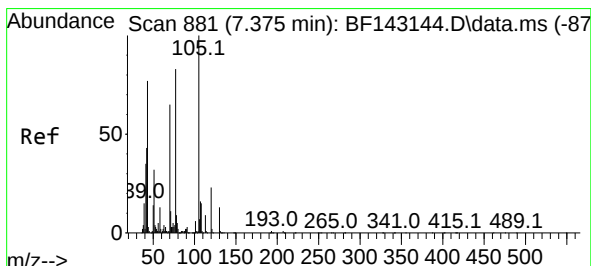
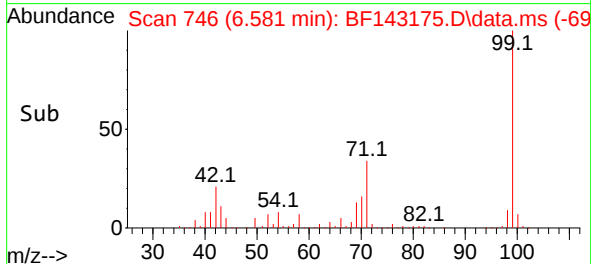
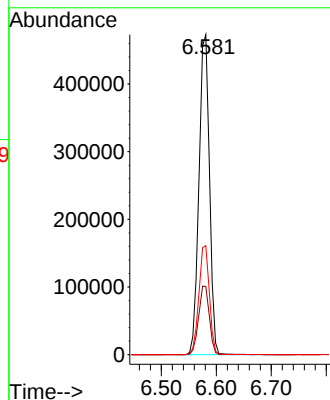
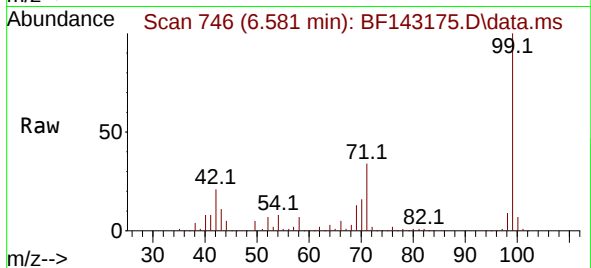




#7
Phenol-d6
Concen: 58.969 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143175.D
Acq: 21 Jul 2025 16:58

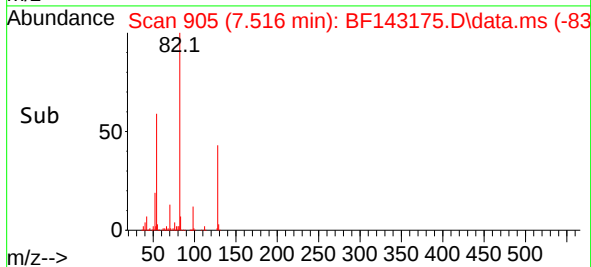
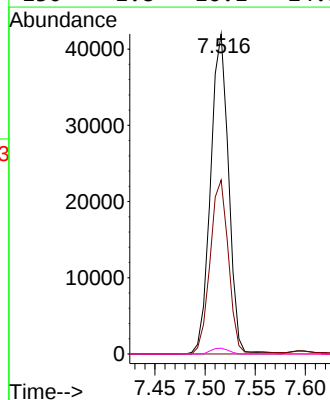
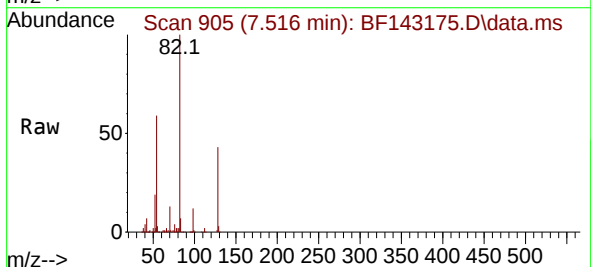
Instrument :
BNA_F
ClientSampleId :
MH 9-8

Tgt Ion: 99 Resp: 629286
Ion Ratio Lower Upper
99 100
42 21.3 17.0 25.6
71 34.0 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 7.667 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143175.D
Acq: 21 Jul 2025 16:58

Tgt Ion: 70 Resp: 52492
Ion Ratio Lower Upper
70 100
42 54.3 52.5 78.7
101 0.0 7.6 11.4#
130 1.8 16.1 24.1#



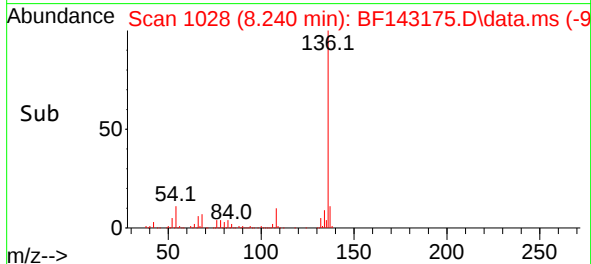
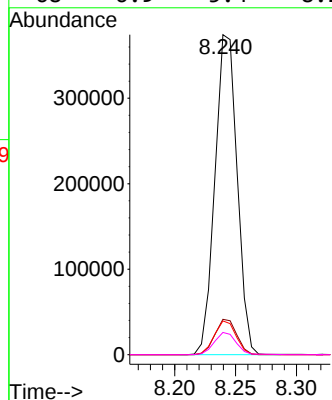
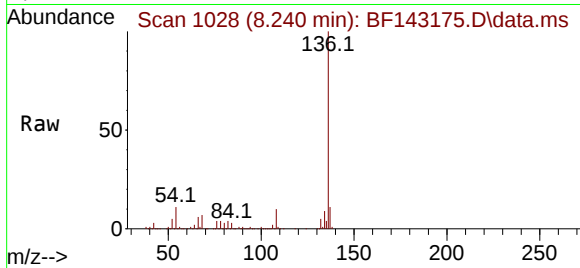


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.240 min Scan# 1029
Delta R.T. -0.005 min
Lab File: BF143175.D
Acq: 21 Jul 2025 16:58

Instrument :
BNA_F
ClientSampleId :
MH 9-8

Tgt Ion:136 Resp: 475638

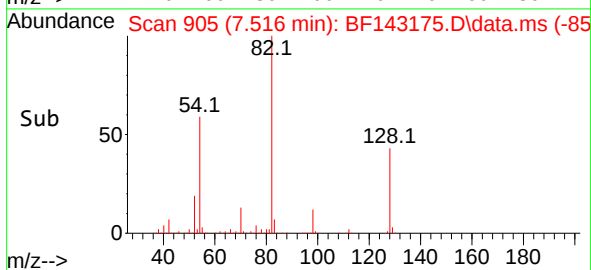
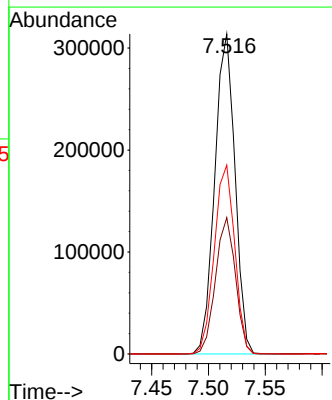
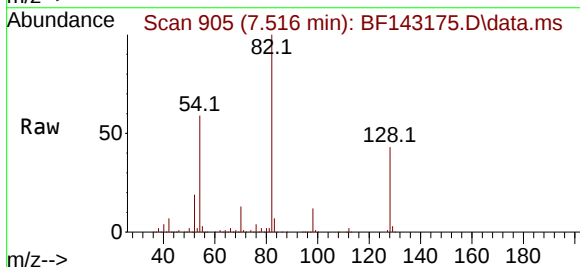
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.6	8.2	12.2
68	6.9	5.4	8.2



#23
Nitrobenzene-d5
Concen: 40.797 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143175.D
Acq: 21 Jul 2025 16:58

Tgt Ion: 82 Resp: 389282

Ion	Ratio	Lower	Upper
82	100		
128	42.6	33.6	50.4
54	59.0	47.1	70.7

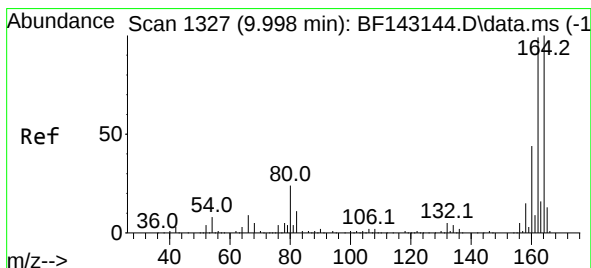
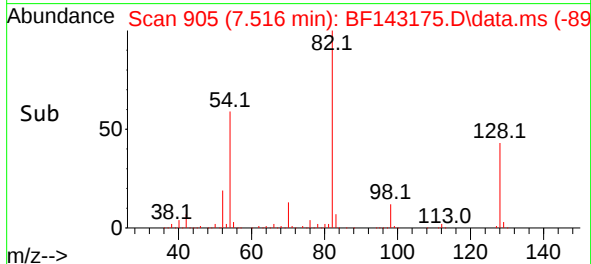
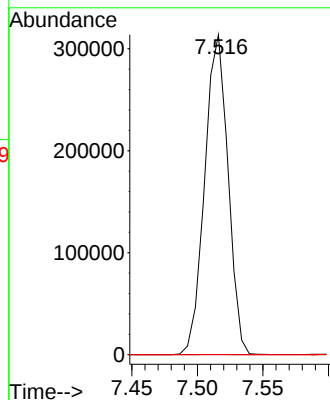
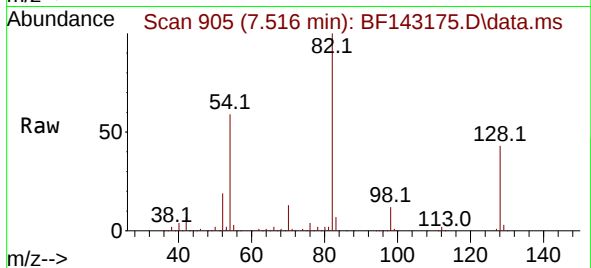




#25
Isophorone
Concen: 23.041 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.265 min
Lab File: BF143175.D
Acq: 21 Jul 2025 16:58

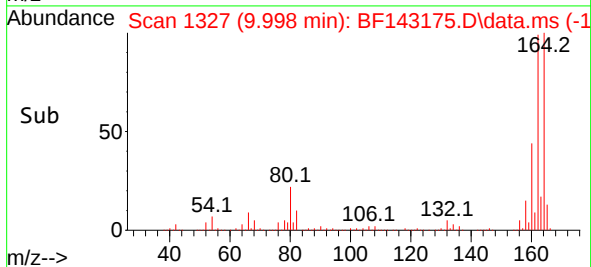
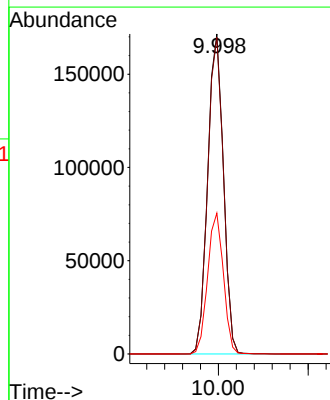
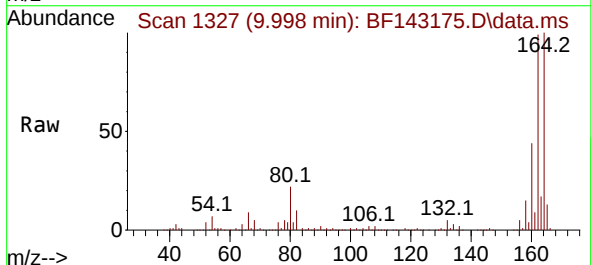
Instrument :
BNA_F
ClientSampleId :
MH 9-8

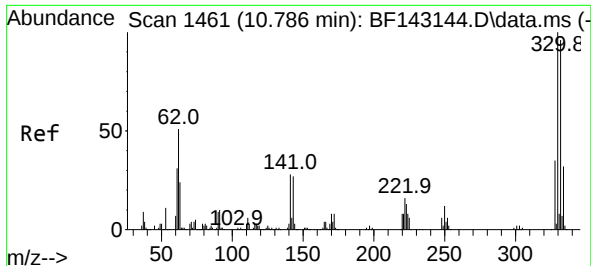
Tgt Ion: 82 Resp: 388122
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143175.D
Acq: 21 Jul 2025 16:58

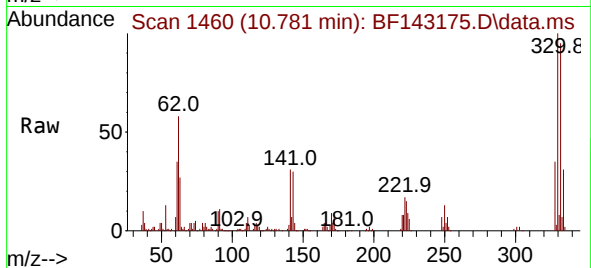
Tgt Ion:164 Resp: 208826
Ion Ratio Lower Upper
164 100
162 99.0 79.0 118.6
160 44.0 35.1 52.7



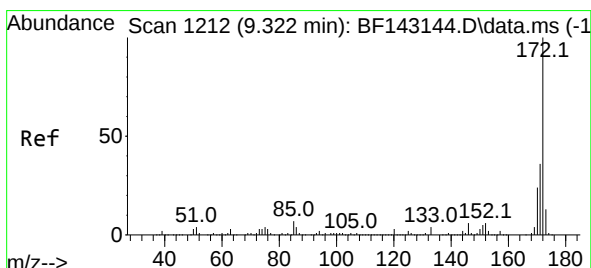
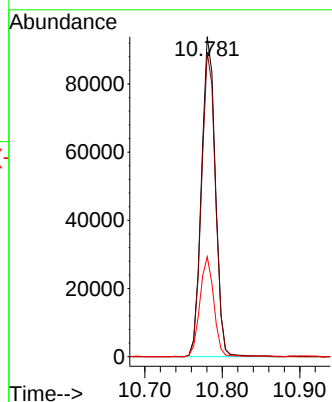
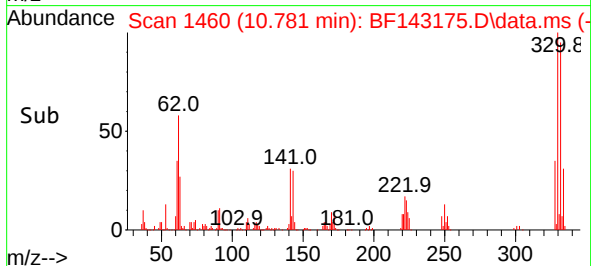


#42
2,4,6-Tribromophenol
Concen: 54.174 ng
RT: 10.781 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF143175.D
Acq: 21 Jul 2025 16:58

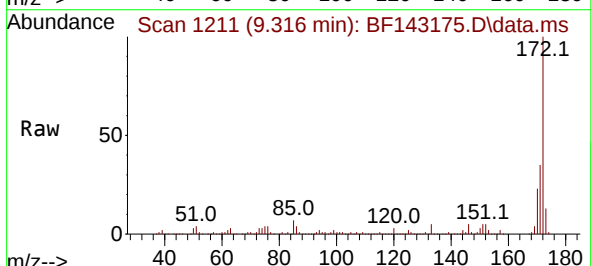
Instrument :
BNA_F
ClientSampleId :
MH 9-8



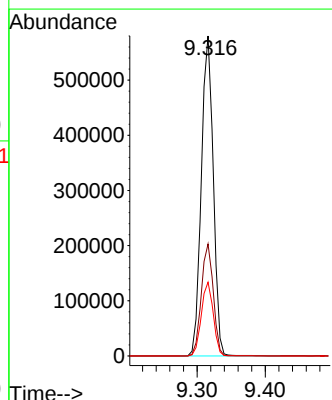
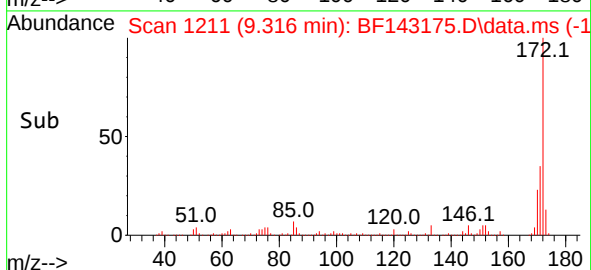
Tgt Ion: 330 Resp: 116869
Ion Ratio Lower Upper
330 100
332 95.5 76.7 115.1
141 31.5 23.3 34.9

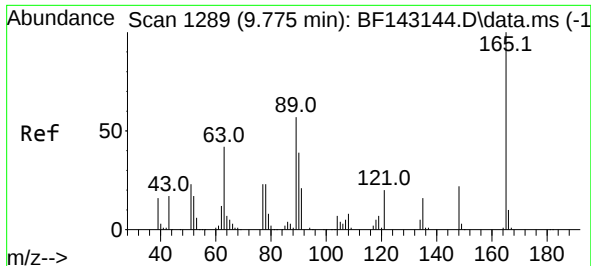


#45
2-Fluorobiphenyl
Concen: 46.433 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143175.D
Acq: 21 Jul 2025 16:58



Tgt Ion: 172 Resp: 708994
Ion Ratio Lower Upper
172 100
171 35.0 28.6 42.8
170 23.0 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 9.790 ng

RT: 9.998 min Scan# 11

Delta R.T. 0.224 min

Lab File: BF143175.D

Acq: 21 Jul 2025 16:58

Instrument :

BNA_F

ClientSampleId :

MH 9-8

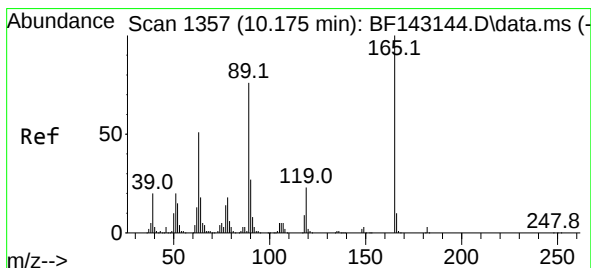
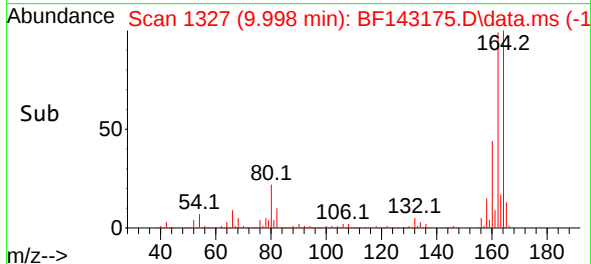
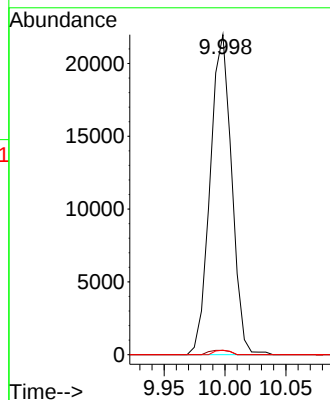
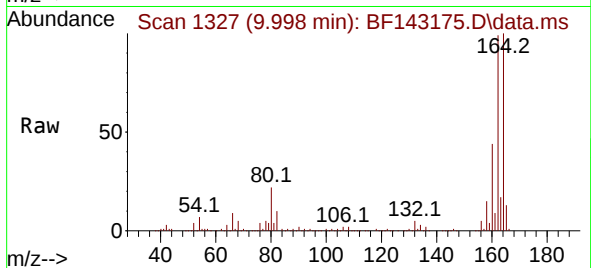
Tgt Ion:165 Resp: 27108

Ion Ratio Lower Upper

165 100

63 1.4 49.4 74.2#

89 1.4 46.2 69.2#



#57

2,4-Dinitrotoluene

Concen: 7.803 ng

RT: 9.998 min Scan# 1327

Delta R.T. -0.176 min

Lab File: BF143175.D

Acq: 21 Jul 2025 16:58

Tgt Ion:165 Resp: 27108

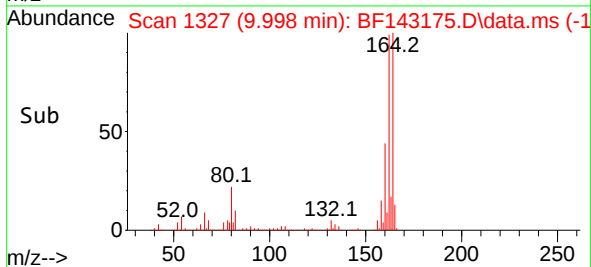
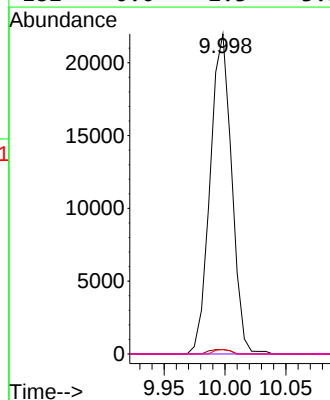
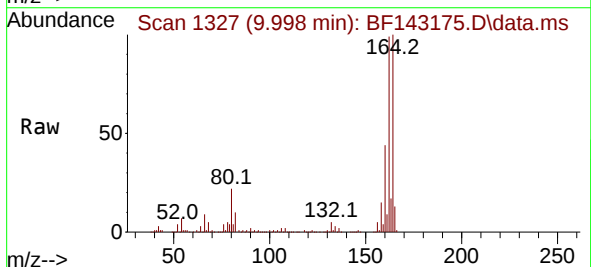
Ion Ratio Lower Upper

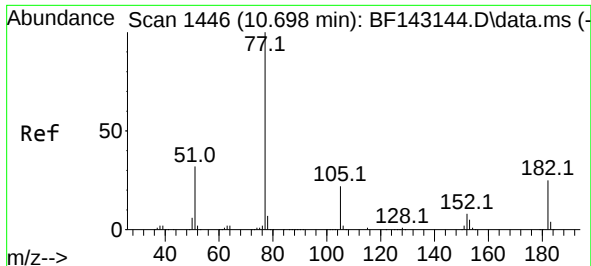
165 100

63 1.4 41.0 61.4#

89 1.4 61.1 91.7#

182 0.0 2.3 3.5#

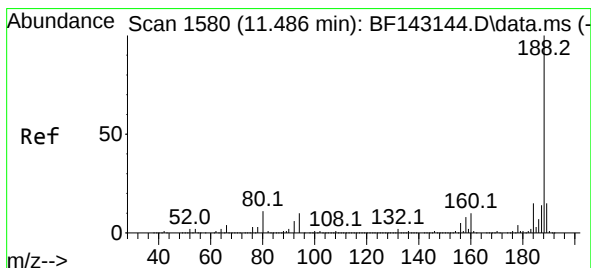
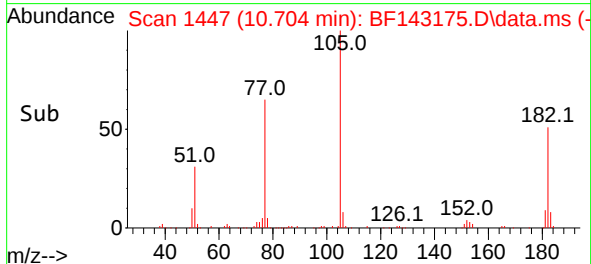
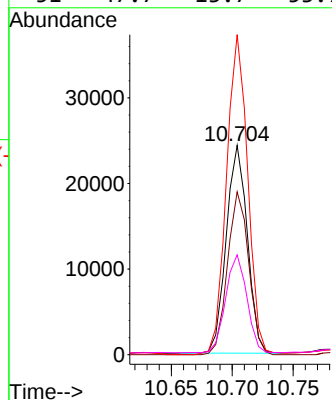
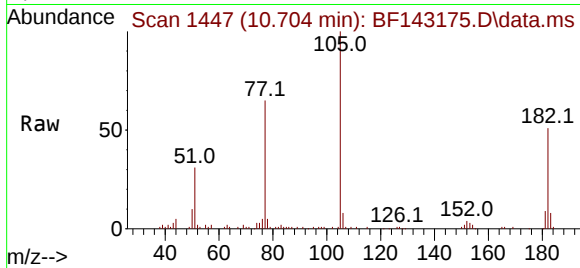




#63
Azobenzene
Concen: 2.090 ng
RT: 10.704 min Scan# 1447
Delta R.T. 0.006 min
Lab File: BF143175.D
Acq: 21 Jul 2025 16:58

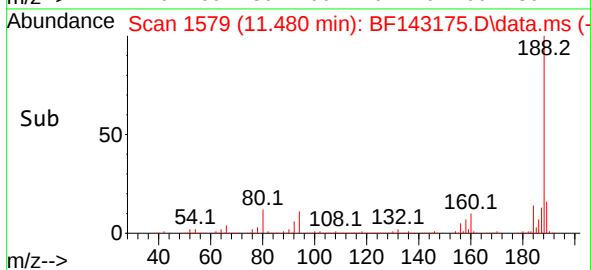
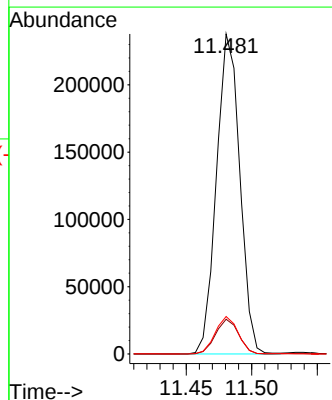
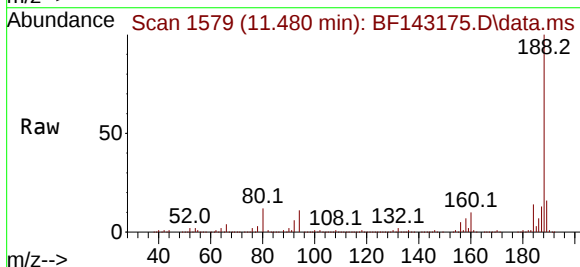
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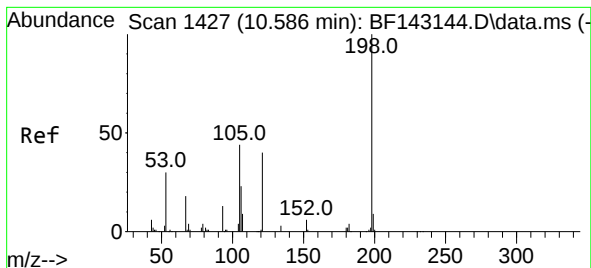
Tgt Ion: 77 Resp: 29302
Ion Ratio Lower Upper
77 100
182 77.9 4.6 44.6#
105 152.9 1.4 41.4#
51 47.7 13.7 53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143175.D
Acq: 21 Jul 2025 16:58

Tgt Ion:188 Resp: 294164
Ion Ratio Lower Upper
188 100
94 10.9 8.3 12.5
80 11.7 9.0 13.6

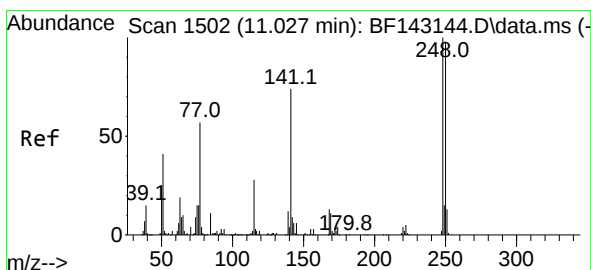
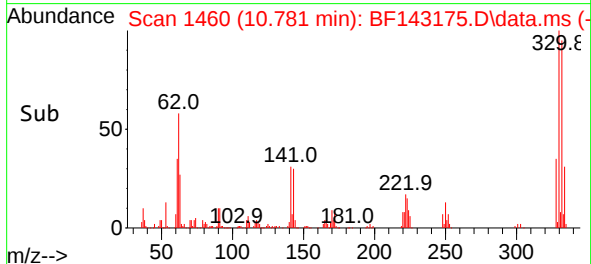
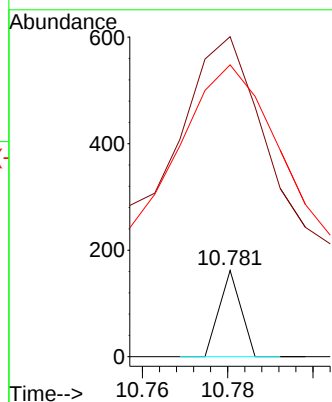
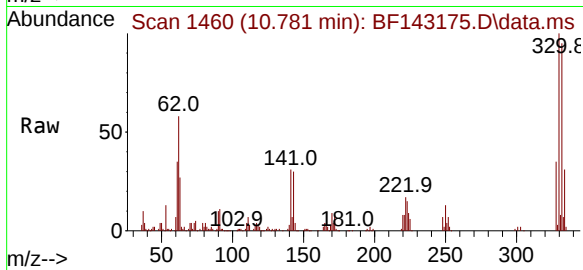




#65
4,6-Dinitro-2-methylphenol
Concen: 5.445 ng
RT: 10.781 min Scan# 1427
Delta R.T. 0.195 min
Lab File: BF143175.D
Acq: 21 Jul 2025 16:58

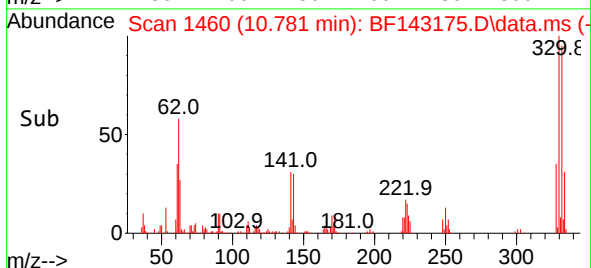
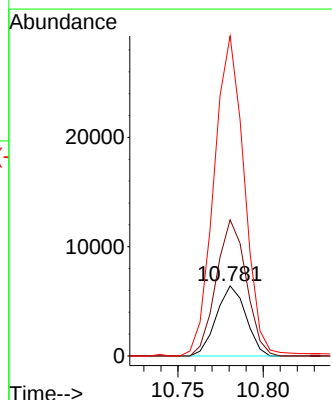
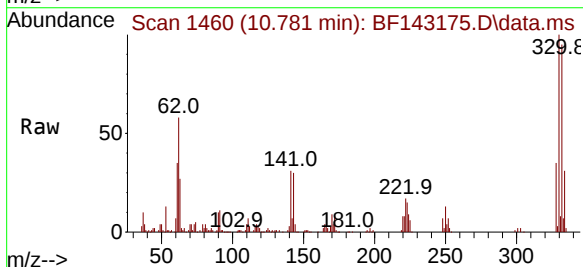
Instrument :
BNA_F
ClientSampleId :
MH 9-8

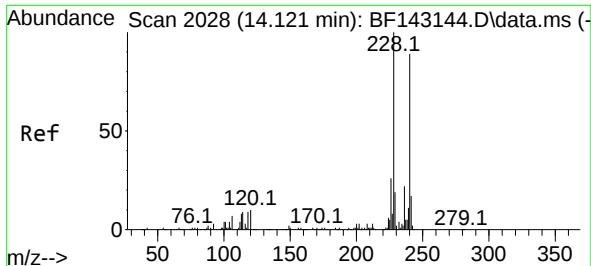
Tgt Ion:198 Resp: 57
Ion Ratio Lower Upper
198 100
51 371.0 37.2 77.2#
105 338.3 24.8 64.8#



#67
4-Bromophenyl-phenylether
Concen: 2.204 ng
RT: 10.781 min Scan# 1460
Delta R.T. -0.247 min
Lab File: BF143175.D
Acq: 21 Jul 2025 16:58

Tgt Ion:248 Resp: 7726
Ion Ratio Lower Upper
248 100
250 194.2 78.3 117.5#
141 456.3 59.2 88.8#

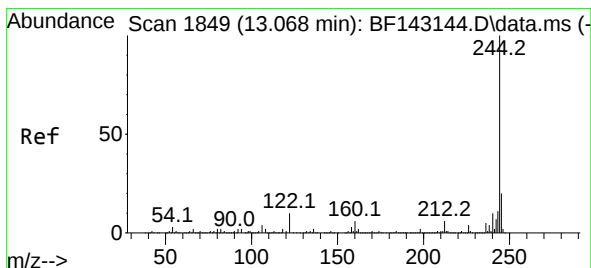
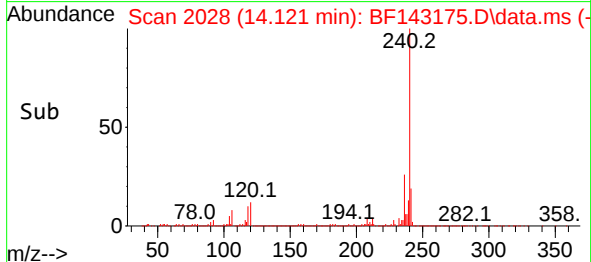
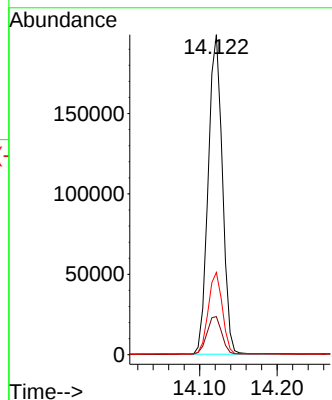
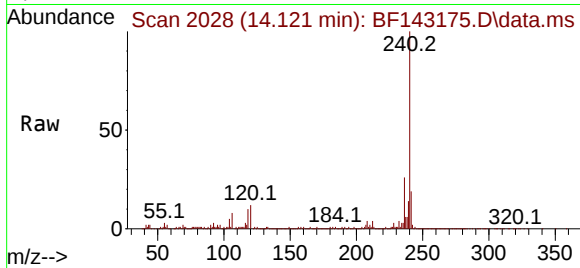




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF143175.D
Acq: 21 Jul 2025 16:58

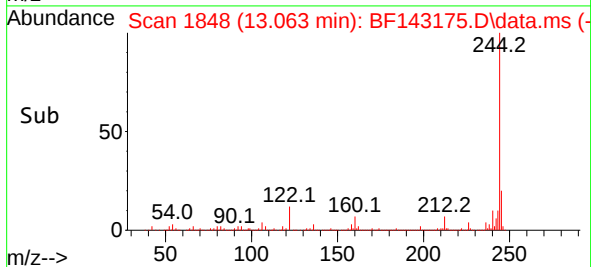
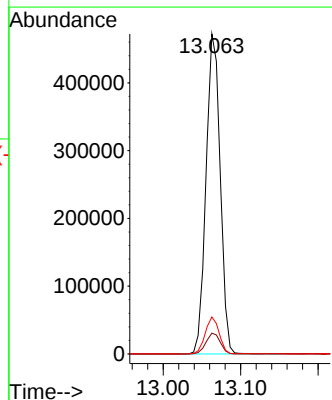
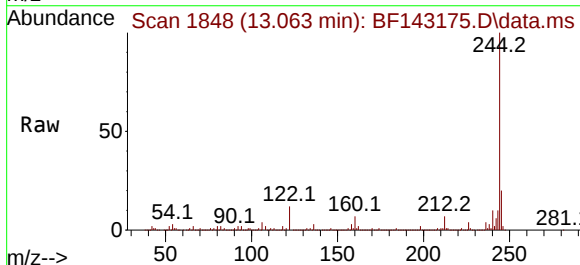
Instrument :
BNA_F
ClientSampleId :
MH 9-8

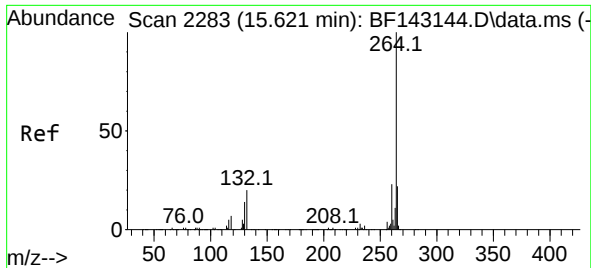
Tgt Ion:240 Resp: 252469
Ion Ratio Lower Upper
240 100
120 11.9 9.4 14.2
236 25.7 20.2 30.4



#79
Terphenyl-d14
Concen: 35.347 ng
RT: 13.063 min Scan# 1848
Delta R.T. -0.006 min
Lab File: BF143175.D
Acq: 21 Jul 2025 16:58

Tgt Ion:244 Resp: 599687
Ion Ratio Lower Upper
244 100
212 6.5 5.2 7.8
122 11.5 8.2 12.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.627 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143175.D
Acq: 21 Jul 2025 16:58

Instrument :
BNA_F
ClientSampleId :
MH 9-8

Tgt Ion:264 Resp: 168445
Ion Ratio Lower Upper
264 100
260 23.1 18.5 27.7
265 21.9 17.4 26.2

