

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
 Data File : BF143808.D
 Acq On : 25 Sep 2025 17:21
 Operator : RC/JU
 Sample : Q3188-01 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 4135

Quant Time: Sep 25 17:53:46 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 24 05:00:00 2025
 Response via : Initial Calibration

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

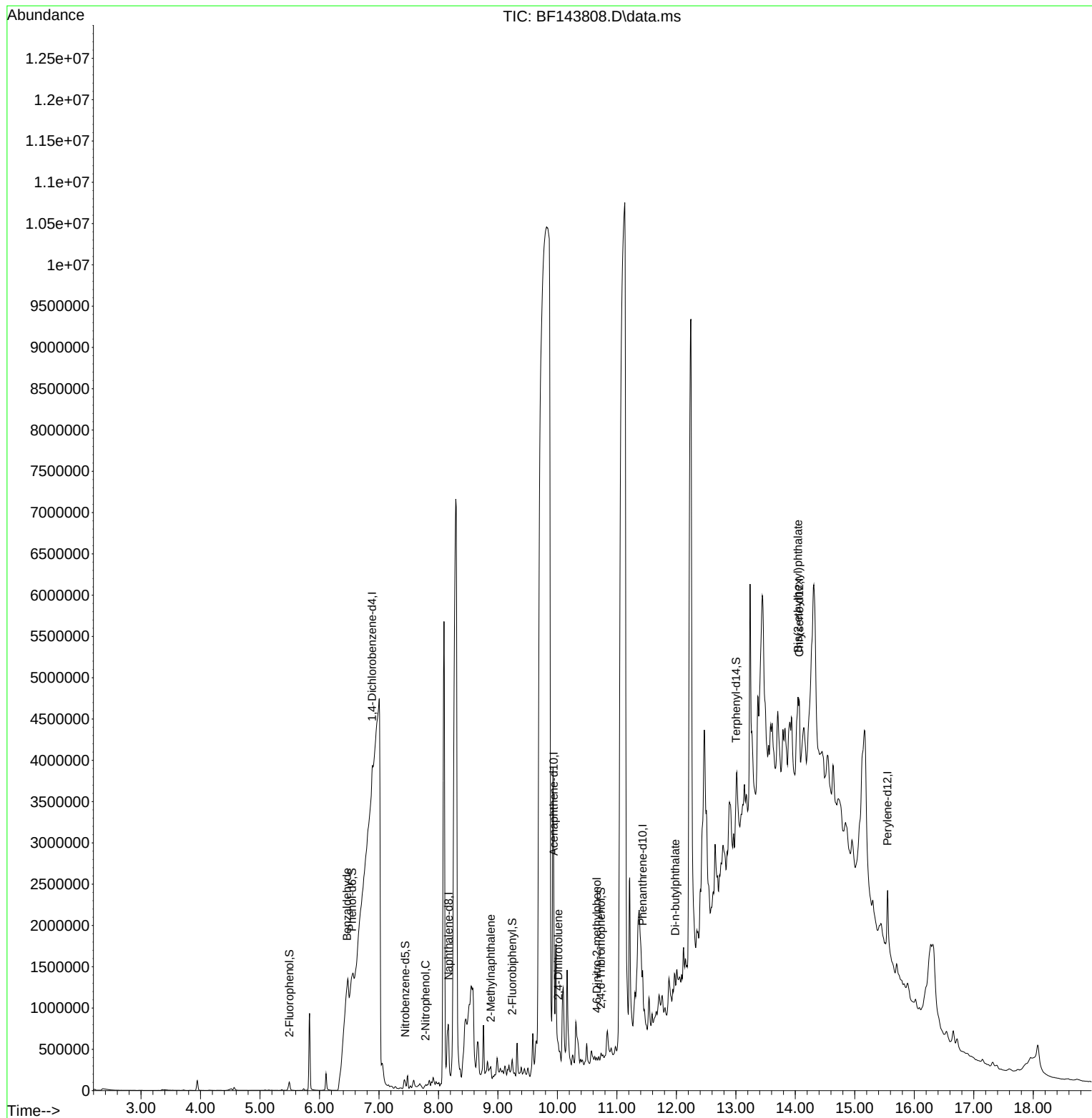
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	81296	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	374000	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	178882	20.000	ng	0.01
64) Phenanthrene-d10	11.433	188	341921	20.000	ng	0.02
76) Chrysene-d12	14.069	240	413505	20.000	ng	0.00
86) Perylene-d12	15.551	264	559999	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	33043	6.604	ng	0.00
7) Phenol-d6	6.545	99	37907	6.557	ng	0.04
23) Nitrobenzene-d5	7.440	82	18282	2.992	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	18560	7.007	ng	0.02
45) 2-Fluorobiphenyl	9.239	172	46533	4.059	ng	0.00
79) Terphenyl-d14	13.004	244	91607	4.506	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.463	77	22762	4.496	ng	# 8
26) 2-Nitrophenol	7.781	139	118	2.753	ng	# 1
37) 2-Methylnaphthalene	8.881	142	39143	3.429	ng	96
57) 2,4-Dinitrotoluene	10.016	165	1289	3.375	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.663	198	234	4.375	ng	# 1
74) Di-n-butylphthalate	11.980	149	84876	4.794	ng	# 96
84) Bis(2-ethylhexyl)phtha...	14.045	149	267308	25.928	ng	98

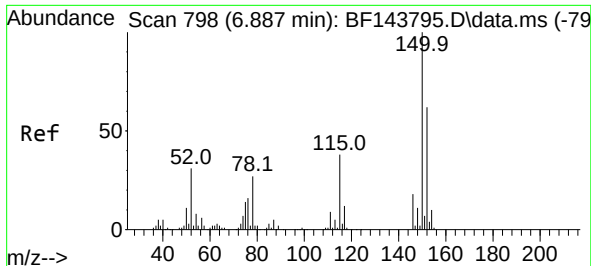
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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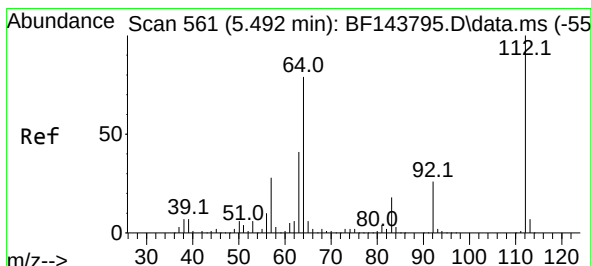
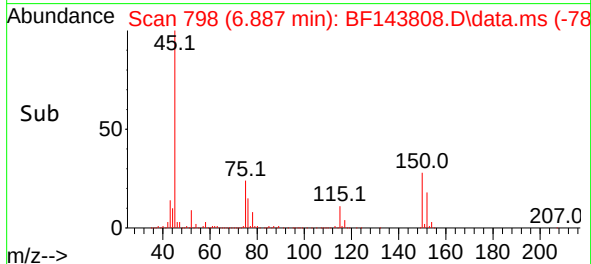
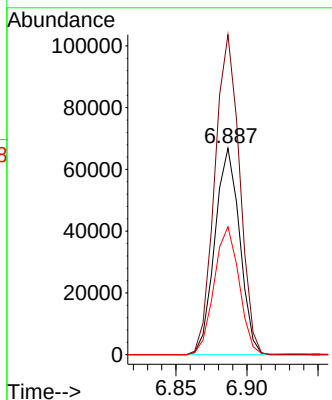
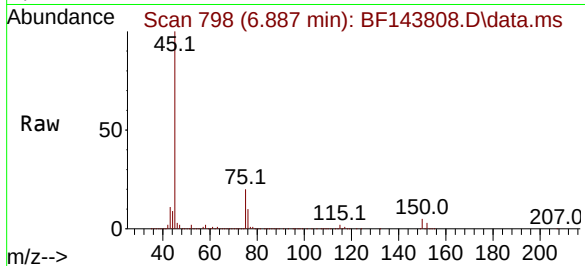




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 798
Delta R.T. -0.000 min
Lab File: BF143808.D
Acq: 25 Sep 2025 17:21

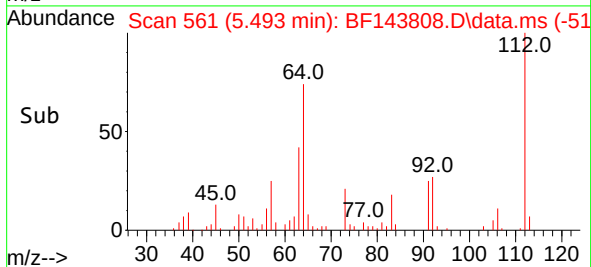
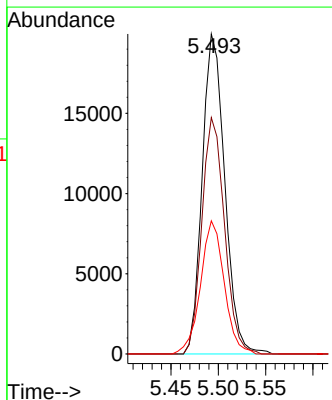
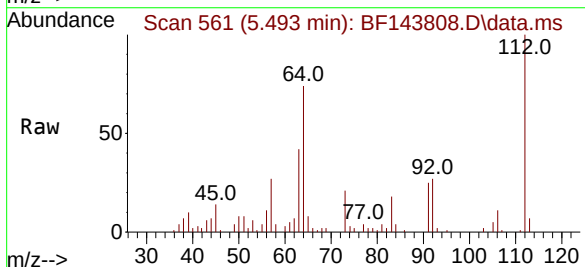
Instrument :
BNA_F
ClientSampleId :
4135

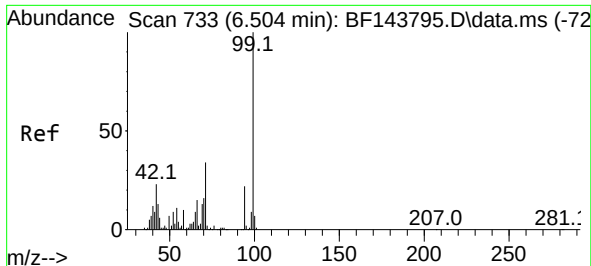
Tgt Ion:152 Resp: 81296
Ion Ratio Lower Upper
152 100
150 155.0 129.6 194.4
115 62.0 49.0 73.4



#5
2-Fluorophenol
Concen: 6.604 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.005 min
Lab File: BF143808.D
Acq: 25 Sep 2025 17:21

Tgt Ion:112 Resp: 33043
Ion Ratio Lower Upper
112 100
64 73.9 63.0 94.4
63 41.6 32.6 49.0





#7

Phenol-d6

Concen: 6.557 ng

RT: 6.545 min Scan# 741

Delta R.T. 0.035 min

Lab File: BF143808.D

Acq: 25 Sep 2025 17:21

Instrument :

BNA_F

ClientSampleId :

4135

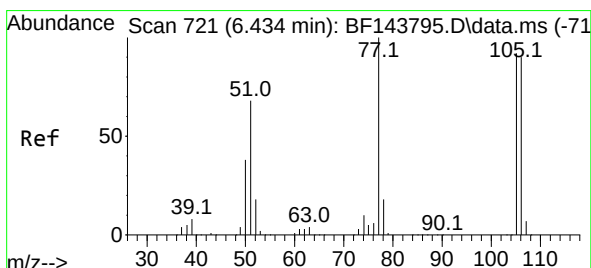
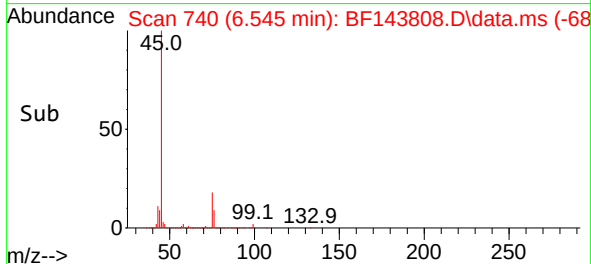
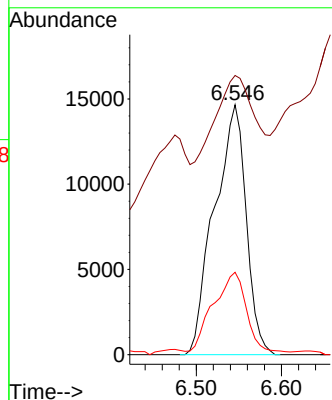
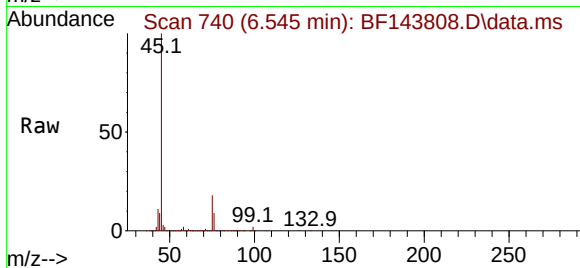
Tgt Ion: 99 Resp: 37907

Ion Ratio Lower Upper

99 100

42 111.8 18.6 28.0#

71 33.0 27.0 40.4



#9

Benzaldehyde

Concen: 4.496 ng

RT: 6.463 min Scan# 726

Delta R.T. 0.024 min

Lab File: BF143808.D

Acq: 25 Sep 2025 17:21

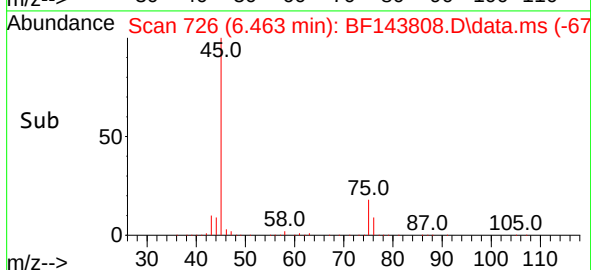
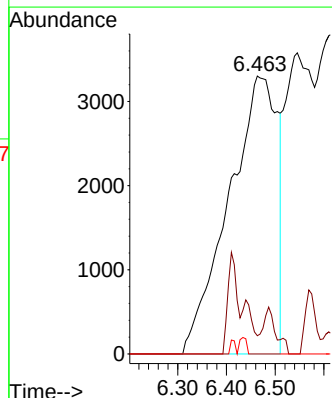
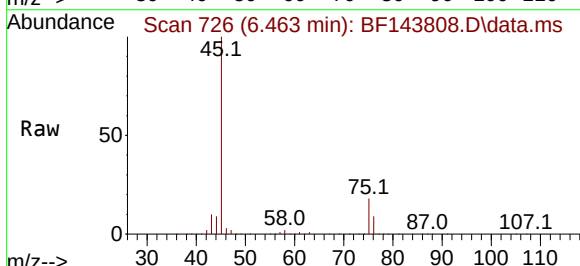
Tgt Ion: 77 Resp: 22762

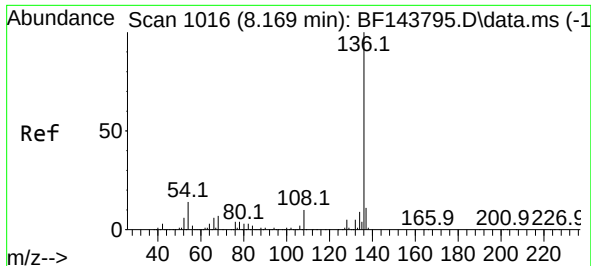
Ion Ratio Lower Upper

77 100

105 6.6 71.8 111.8#

106 0.0 69.8 109.8#

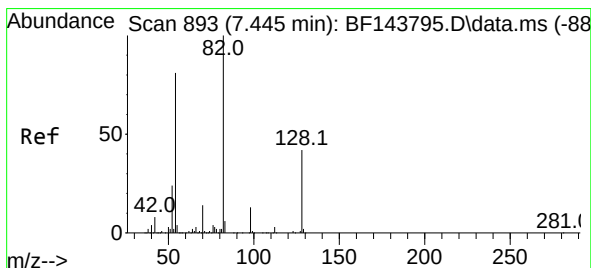
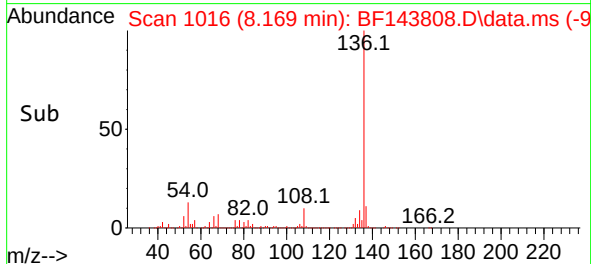
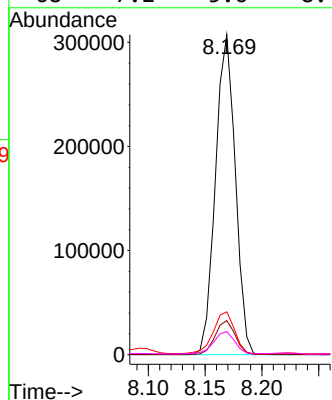
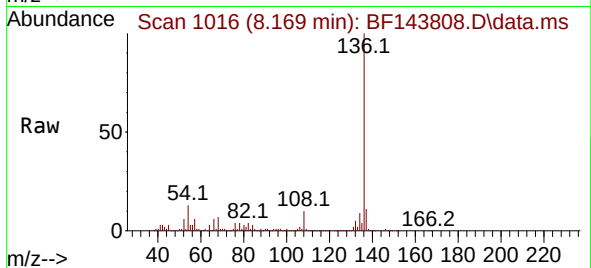




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.000 min
Lab File: BF143808.D
Acq: 25 Sep 2025 17:21

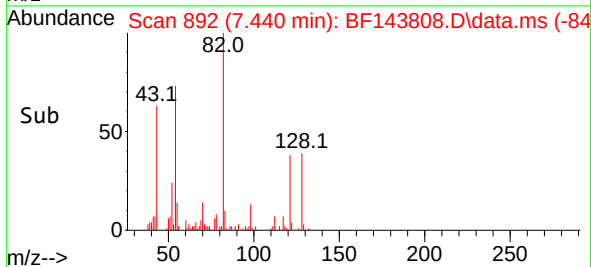
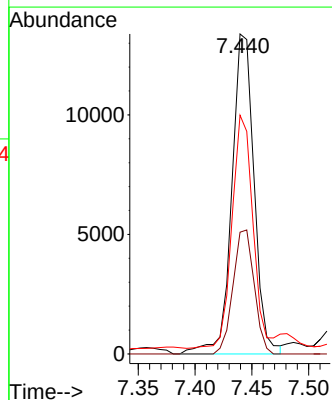
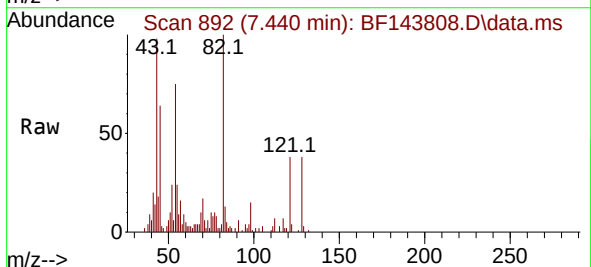
Instrument :
BNA_F
ClientSampleId :
4135

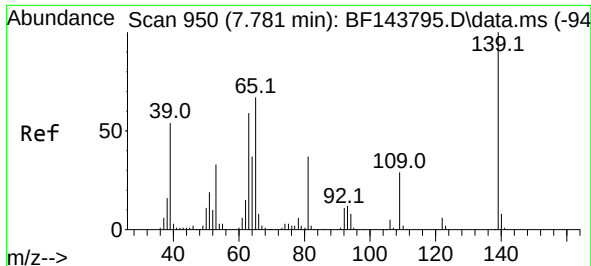
Tgt Ion:	136	Resp:	374000
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.4
54	13.4	11.2	16.8
68	7.2	5.6	8.4



#23
Nitrobenzene-d5
Concen: 2.992 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.011 min
Lab File: BF143808.D
Acq: 25 Sep 2025 17:21

Tgt Ion:	82	Resp:	18282
Ion	Ratio	Lower	Upper
82	100		
128	38.1	33.3	49.9
54	74.6	64.2	96.4

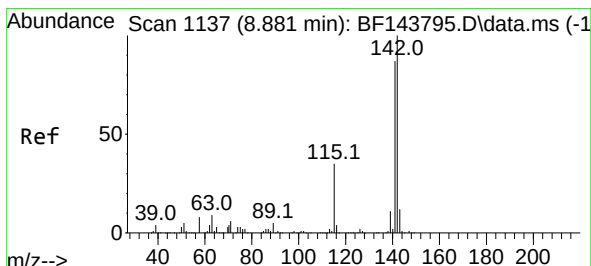
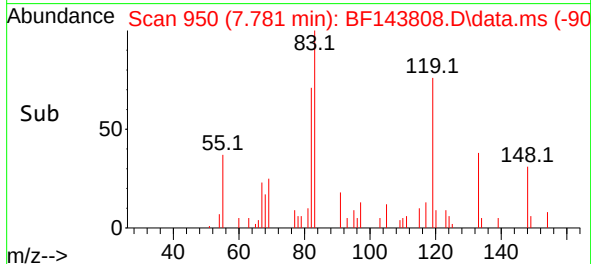
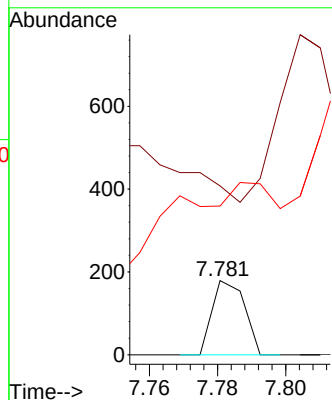
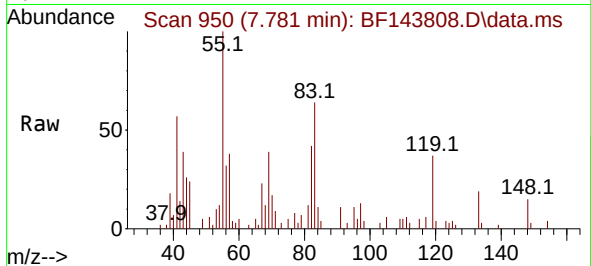




#26
2-Nitrophenol
Concen: 2.753 ng
RT: 7.781 min Scan# 91
Delta R.T. -0.005 min
Lab File: BF143808.D
Acq: 25 Sep 2025 17:21

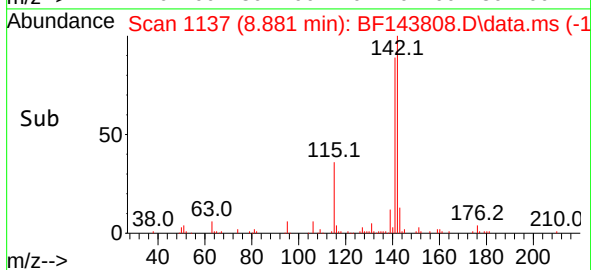
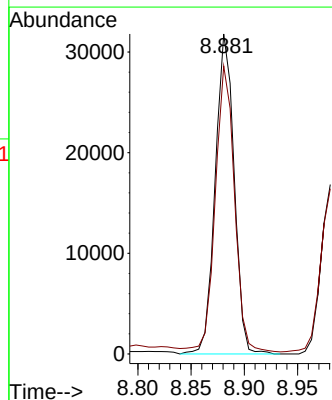
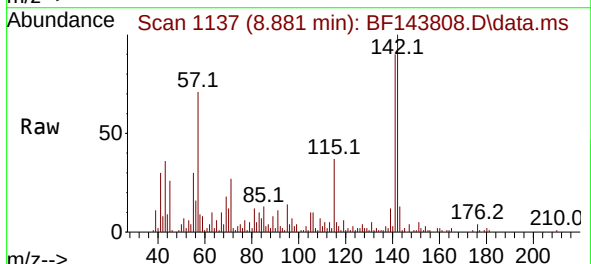
Instrument :
BNA_F
ClientSampleId :
4135

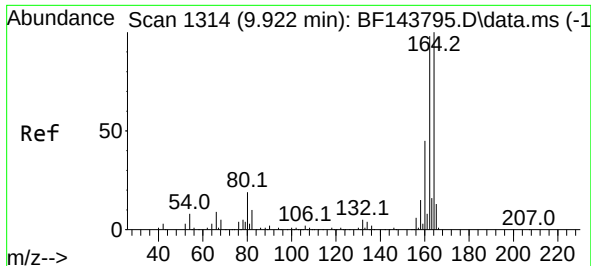
Tgt Ion:139 Resp: 118
Ion Ratio Lower Upper
139 100
109 227.9 23.3 34.9#
65 200.6 53.8 80.6#



#37
2-Methylnaphthalene
Concen: 3.429 ng
RT: 8.881 min Scan# 1137
Delta R.T. 0.000 min
Lab File: BF143808.D
Acq: 25 Sep 2025 17:21

Tgt Ion:142 Resp: 39143
Ion Ratio Lower Upper
142 100
141 90.0 69.4 104.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 11

Delta R.T. 0.011 min

Lab File: BF143808.D

Acq: 25 Sep 2025 17:21

Instrument :

BNA_F

ClientSampleId :

4135

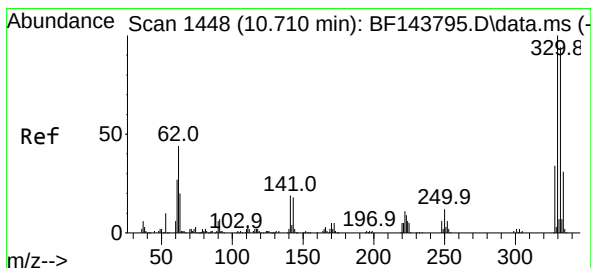
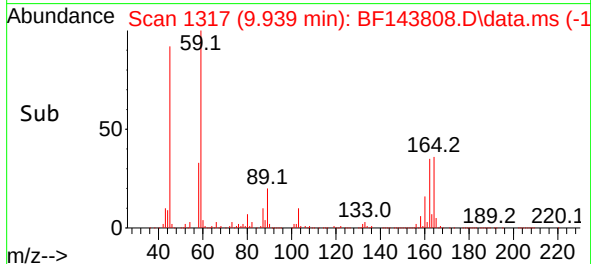
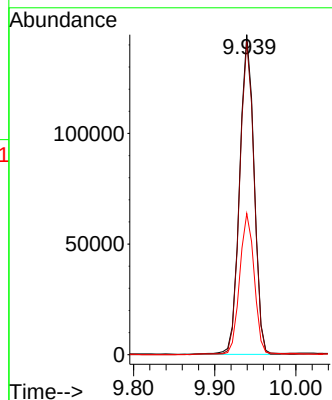
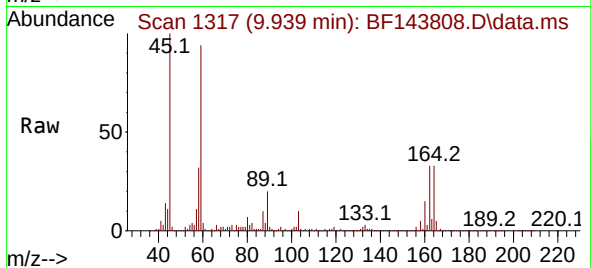
Tgt Ion:164 Resp: 178882

Ion Ratio Lower Upper

164 100

162 97.8 78.8 118.2

160 44.1 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 7.007 ng

RT: 10.733 min Scan# 1452

Delta R.T. 0.017 min

Lab File: BF143808.D

Acq: 25 Sep 2025 17:21

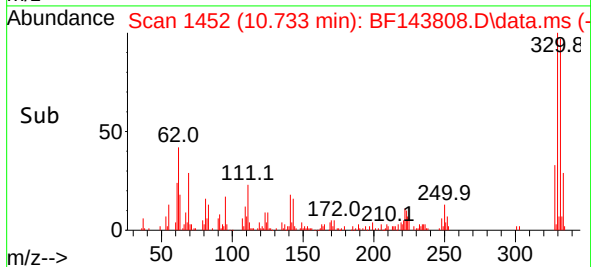
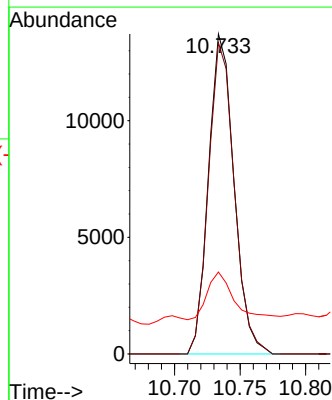
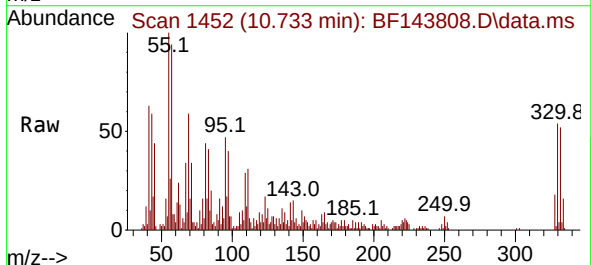
Tgt Ion:330 Resp: 18560

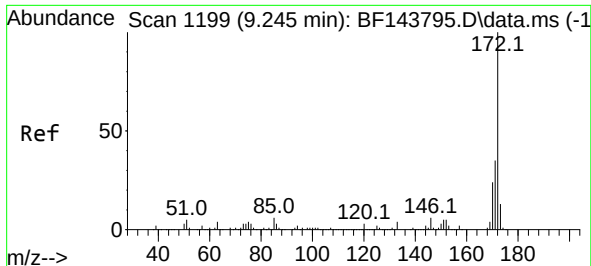
Ion Ratio Lower Upper

330 100

332 98.4 74.7 112.1

141 15.6 14.3 21.5





#45

2-Fluorobiphenyl

Concen: 4.059 ng

RT: 9.239 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF143808.D

Acq: 25 Sep 2025 17:21

Instrument :

BNA_F

ClientSampleId :

4135

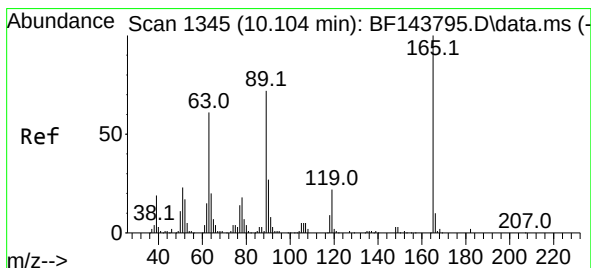
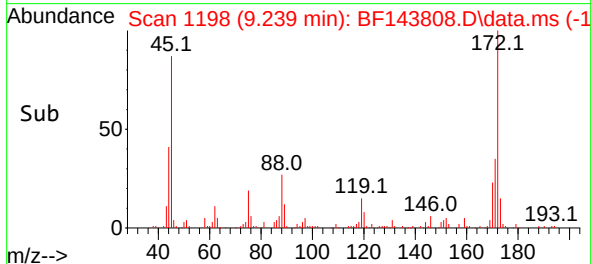
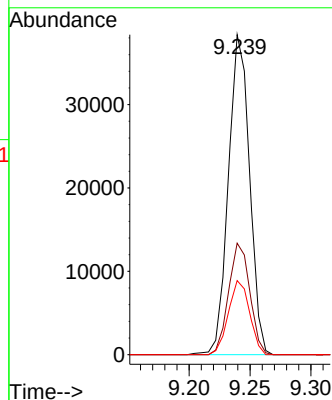
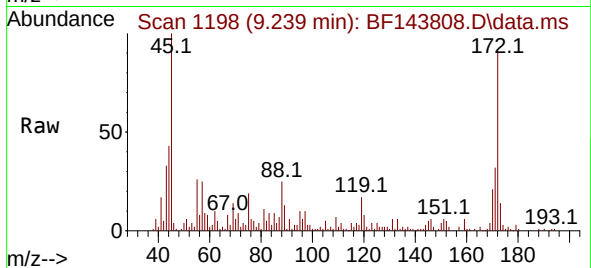
Tgt Ion:172 Resp: 46533

Ion Ratio Lower Upper

172 100

171 34.9 27.9 41.9

170 23.2 19.1 28.7



#57

2,4-Dinitrotoluene

Concen: 3.375 ng

RT: 10.016 min Scan# 1330

Delta R.T. -0.094 min

Lab File: BF143808.D

Acq: 25 Sep 2025 17:21

Tgt Ion:165 Resp: 1289

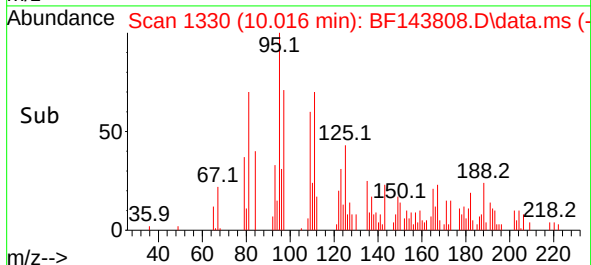
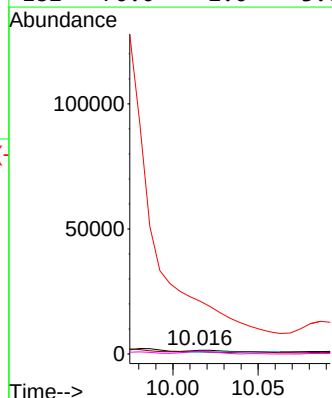
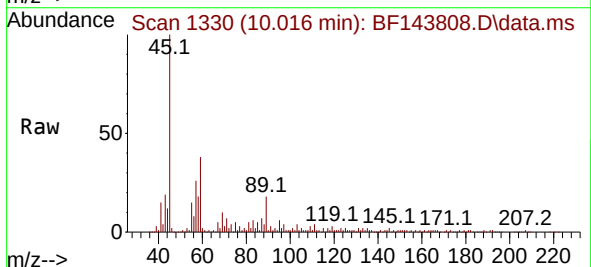
Ion Ratio Lower Upper

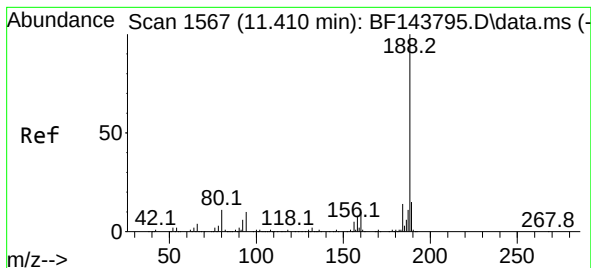
165 100

63 61.3 48.9 73.3

89 1423.5 57.5 86.3#

182 70.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.433 min Scan# 11

Delta R.T. 0.017 min

Lab File: BF143808.D

Acq: 25 Sep 2025 17:21

Instrument :

BNA_F

ClientSampleId :

4135

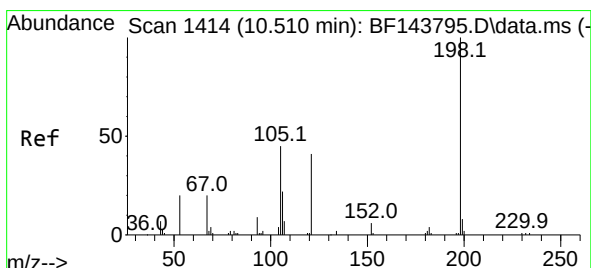
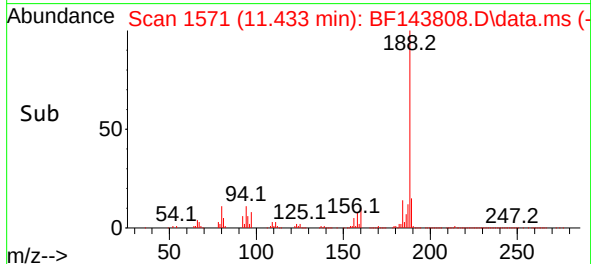
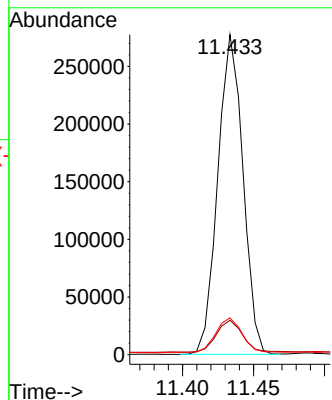
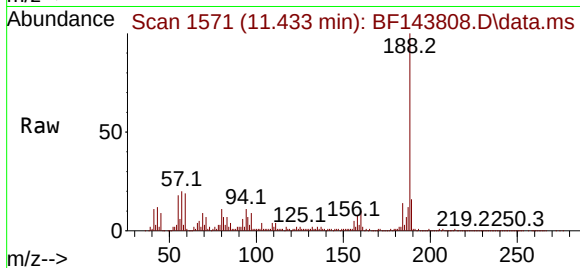
Tgt Ion:188 Resp: 341921

Ion Ratio Lower Upper

188 100

94 10.8 8.2 12.2

80 11.5 8.6 12.8



#65

4,6-Dinitro-2-methylphenol

Concen: 4.375 ng

RT: 10.663 min Scan# 1440

Delta R.T. 0.147 min

Lab File: BF143808.D

Acq: 25 Sep 2025 17:21

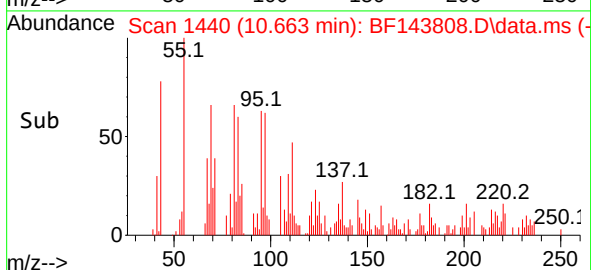
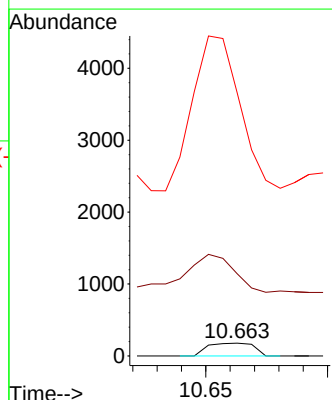
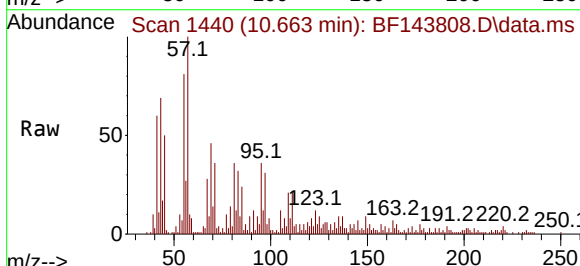
Tgt Ion:198 Resp: 234

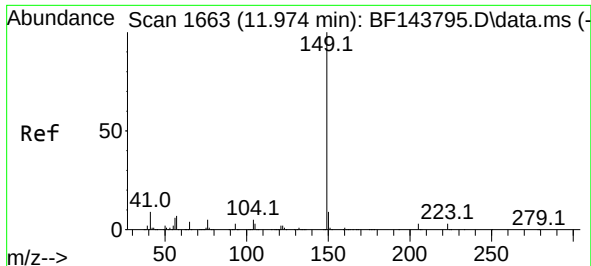
Ion Ratio Lower Upper

198 100

51 645.8 52.0 92.0#

105 2067.8 27.5 67.5#

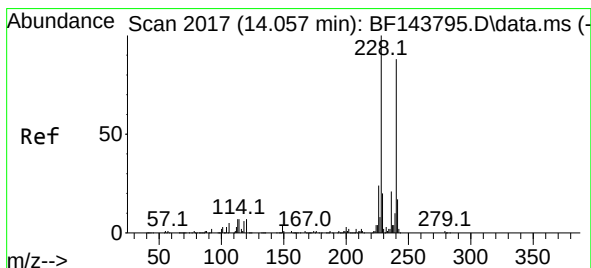
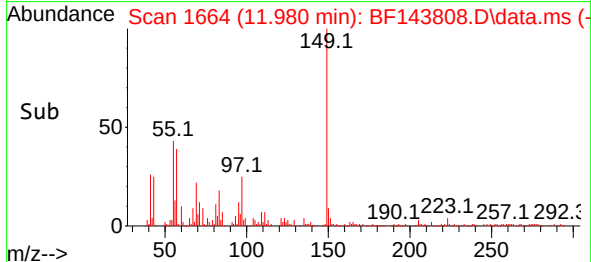
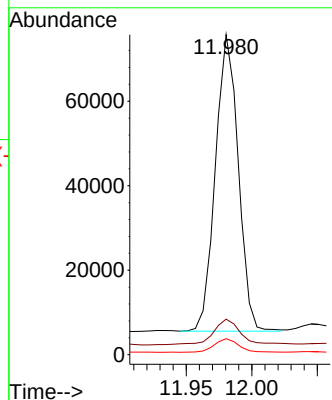
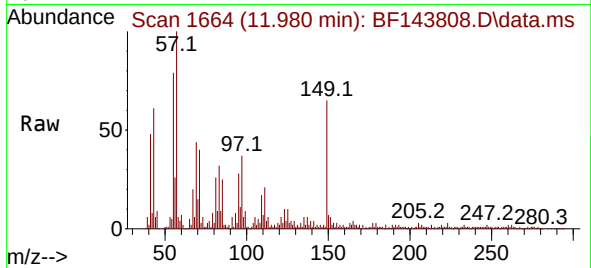




#74
Di-n-butylphthalate
Concen: 4.794 ng
RT: 11.980 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143808.D
Acq: 25 Sep 2025 17:21

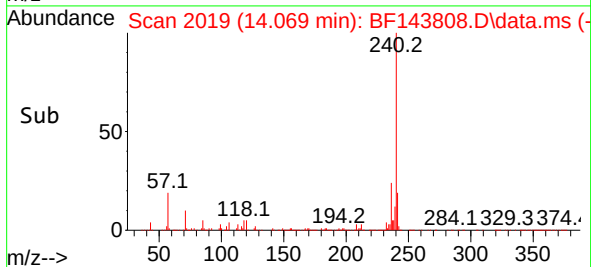
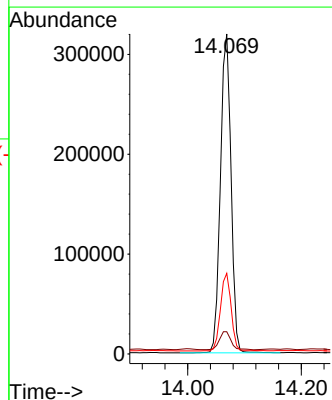
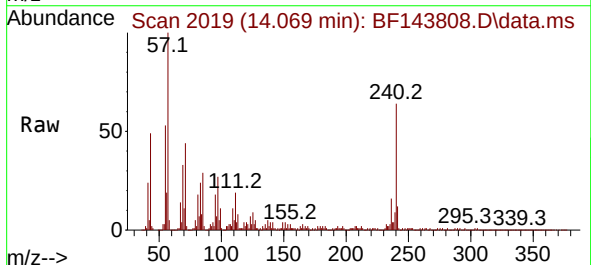
Instrument :
BNA_F
ClientSampleId :
4135

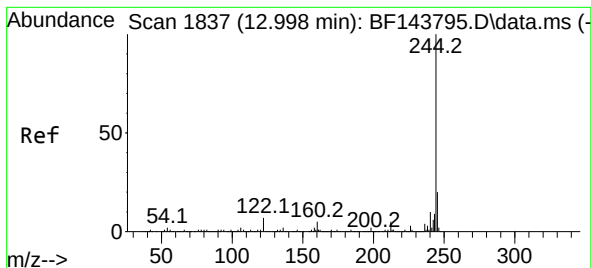
Tgt Ion:149 Resp: 84876
Ion Ratio Lower Upper
149 100
150 11.1 7.3 10.9#
104 5.0 3.6 5.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.006 min
Lab File: BF143808.D
Acq: 25 Sep 2025 17:21

Tgt Ion:240 Resp: 413505
Ion Ratio Lower Upper
240 100
120 7.0 6.2 9.4
236 25.2 19.4 29.2





#79

Terphenyl-d14

Concen: 4.506 ng

RT: 13.004 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143808.D

Acq: 25 Sep 2025 17:21

Instrument :

BNA_F

ClientSampleId :

4135

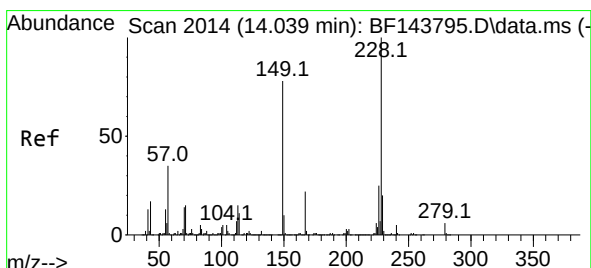
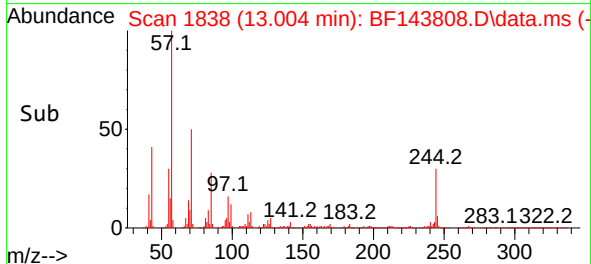
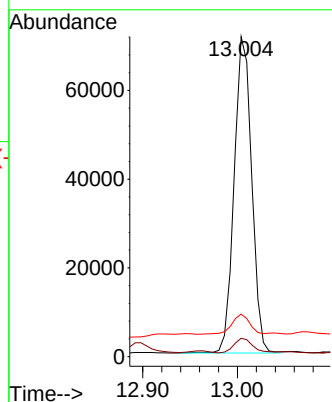
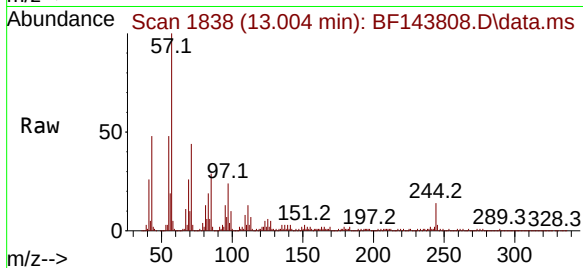
Tgt Ion:244 Resp: 91607

Ion Ratio Lower Upper

244 100

212 5.7 3.9 5.9

122 13.3 5.6 8.4#



#84

Bis(2-ethylhexyl)phthalate

Concen: 25.928 ng

RT: 14.045 min Scan# 2015

Delta R.T. 0.006 min

Lab File: BF143808.D

Acq: 25 Sep 2025 17:21

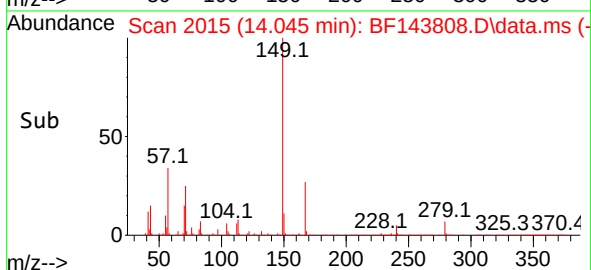
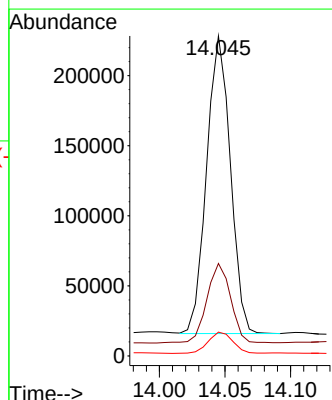
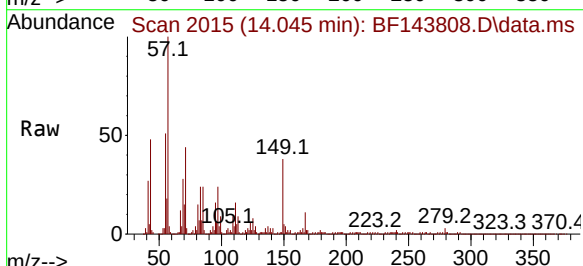
Tgt Ion:149 Resp: 267308

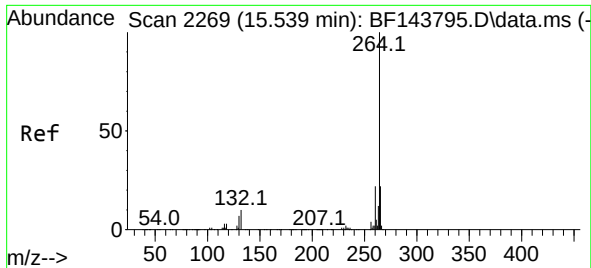
Ion Ratio Lower Upper

149 100

167 28.9 22.2 33.2

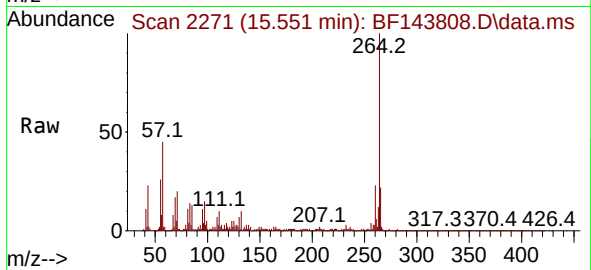
279 7.5 6.0 9.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF143808.D
Acq: 25 Sep 2025 17:21

Instrument :
BNA_F
ClientSampleId :
4135



Tgt Ion:	264	Resp:	559999
Ion	Ratio	Lower	Upper
264	100		
260	23.3	17.9	26.9
265	22.3	17.7	26.5

