

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
 Data File : BF142395.D
 Acq On : 15 May 2025 16:43
 Operator : RC/JU
 Sample : Q2023-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HEATER-PAD

Quant Time: May 15 17:45:18 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

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

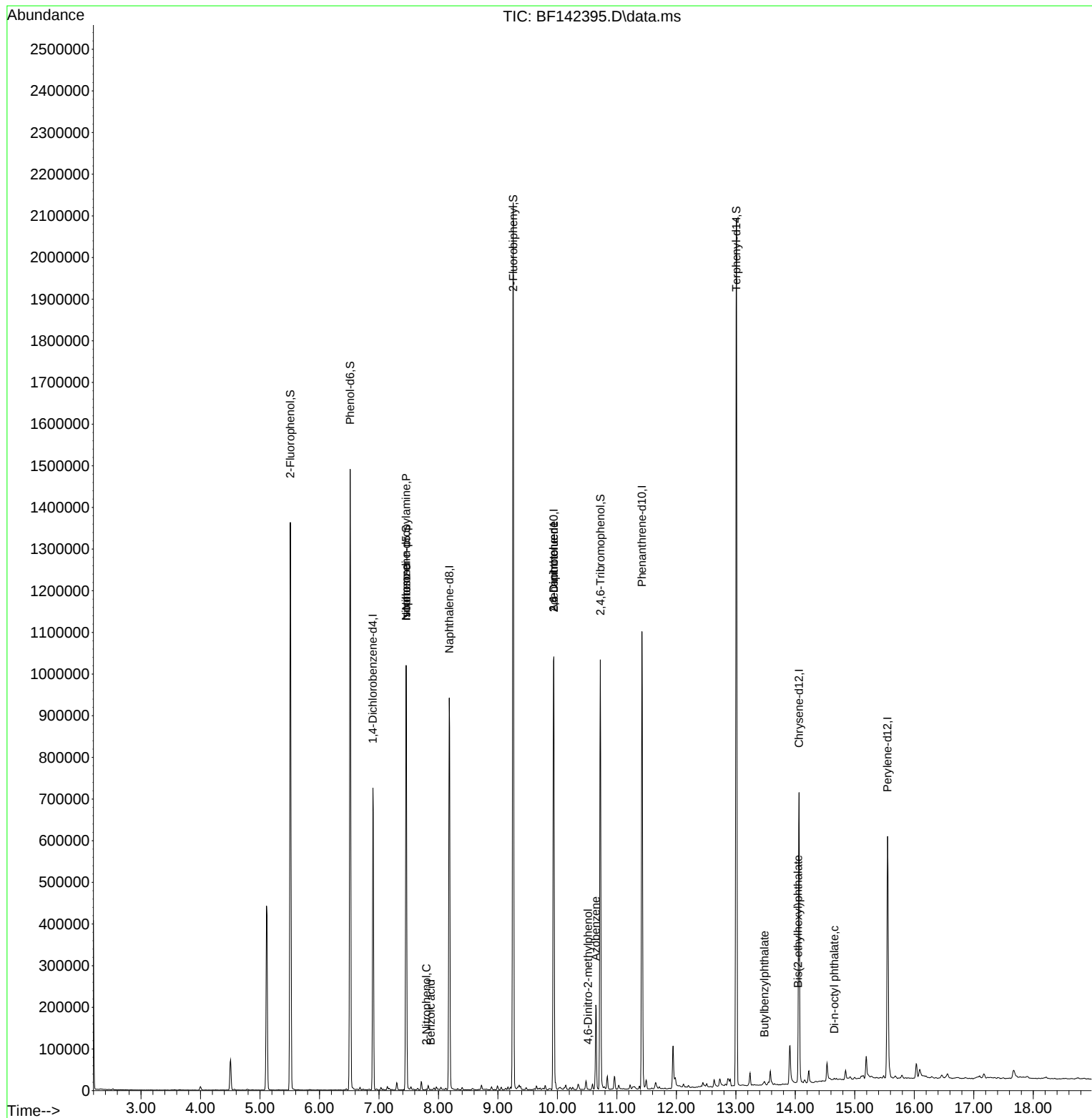
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	156435	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	603955	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	322047	20.000	ng	0.00
64) Phenanthrene-d10	11.421	188	565149	20.000	ng	-0.01
76) Chrysene-d12	14.062	240	336374	20.000	ng	0.00
86) Perylene-d12	15.551	264	339653	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	509705	55.621	ng	0.00
7) Phenol-d6	6.516	99	672211	59.641	ng	0.00
23) Nitrobenzene-d5	7.457	82	412681	41.672	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	177354	57.040	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	952346	42.166	ng	0.00
79) Terphenyl-d14	13.010	244	1013694	44.604	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.457	70	54584	7.829	ng	# 77
25) Isophorone	7.457	82	408547	21.786	ng	# 62
26) 2-Nitrophenol	7.798	139	450	4.179	ng	# 82
32) Benzoic acid	7.869	122	381	6.092	ng	# 90
51) 2,6-Dinitrotoluene	9.939	165	41282	10.665	ng	# 23
57) 2,4-Dinitrotoluene	9.939	165	41282	8.314	ng	# 25
63) Azobenzene	10.645	77	52202	2.645	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.516	198	108	7.220	ng	# 1
80) Butylbenzylphthalate	13.480	149	2015	3.872	ng	# 86
84) Bis(2-ethylhexyl)phtha...	14.045	149	4416	4.591	ng	# 95
85) Di-n-octyl phthalate	14.657	149	2542	7.943	ng	# 44

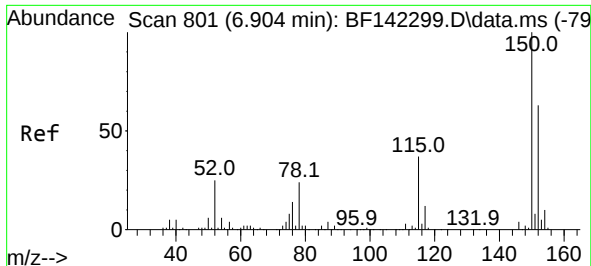
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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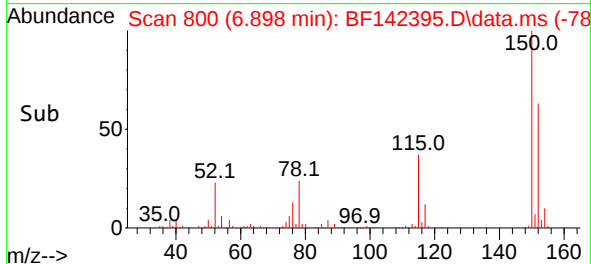
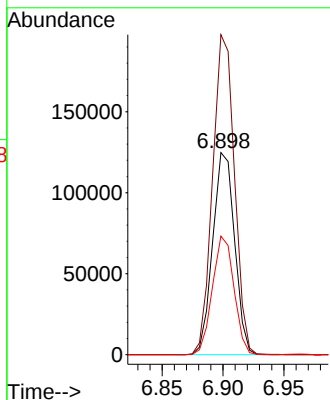
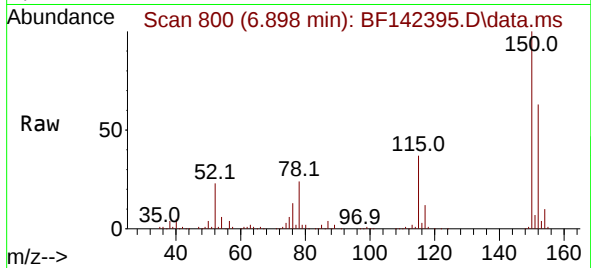




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142395.D
Acq: 15 May 2025 16:43

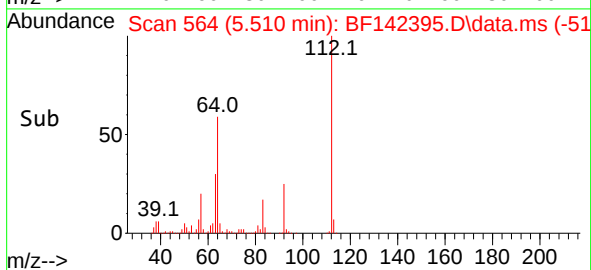
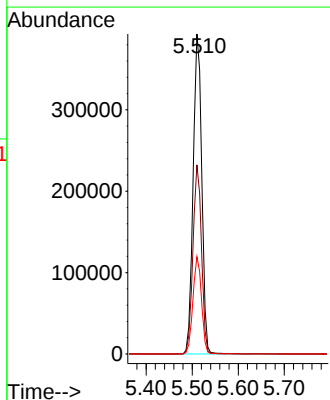
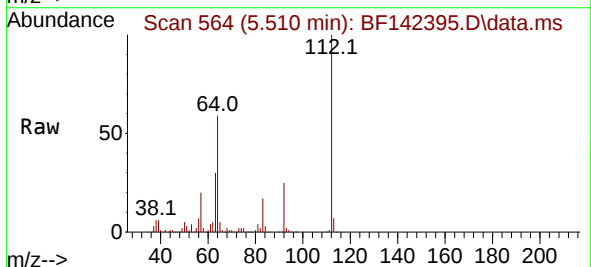
Instrument :
BNA_F
ClientSampleId :
HEATER-PAD

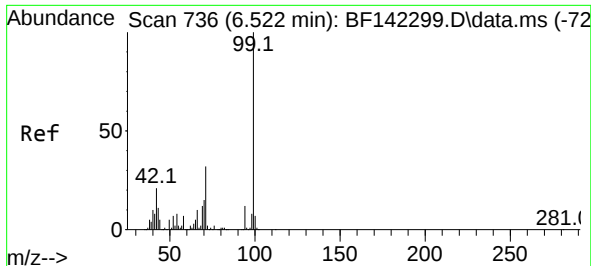
Tgt Ion:152 Resp: 156435
Ion Ratio Lower Upper
152 100
150 158.3 126.6 190.0
115 58.7 47.3 70.9



#5
2-Fluorophenol
Concen: 55.621 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF142395.D
Acq: 15 May 2025 16:43

Tgt Ion:112 Resp: 509705
Ion Ratio Lower Upper
112 100
64 59.1 48.9 73.3
63 30.4 25.6 38.4

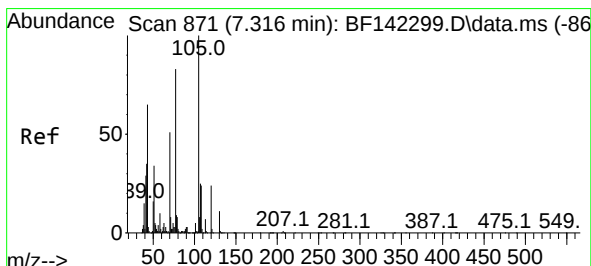
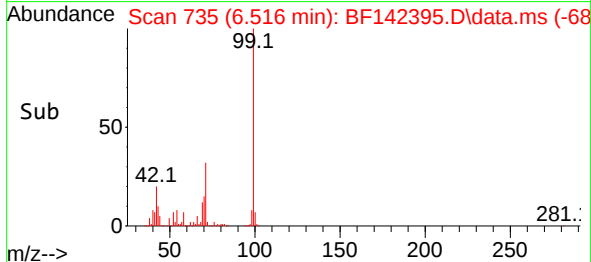
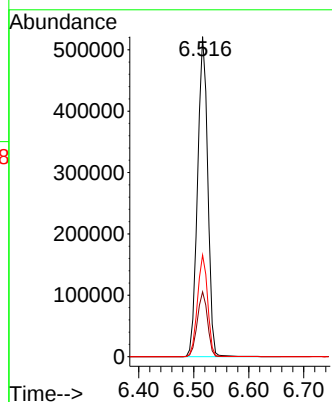
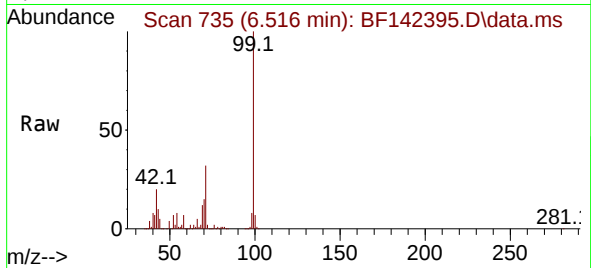




#7
Phenol-d6
Concen: 59.641 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142395.D
Acq: 15 May 2025 16:43

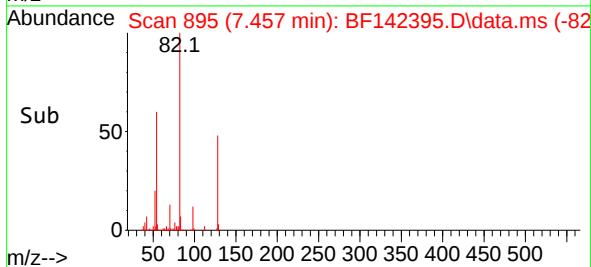
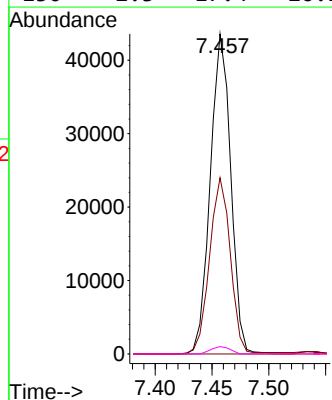
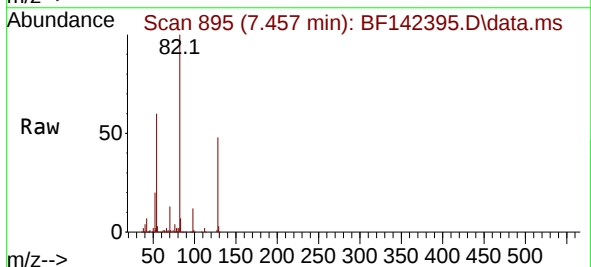
Instrument :
BNA_F
ClientSampleId :
HEATER-PAD

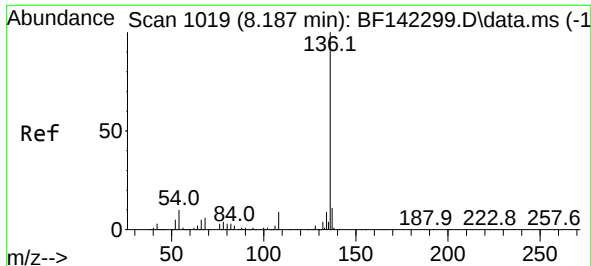
Tgt Ion: 99 Resp: 672211
Ion Ratio Lower Upper
99 100
42 20.2 17.0 25.4
71 31.8 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 7.829 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF142395.D
Acq: 15 May 2025 16:43

Tgt Ion: 70 Resp: 54584
Ion Ratio Lower Upper
70 100
42 55.1 54.8 82.2
101 0.0 7.7 11.5#
130 2.3 17.4 26.2#



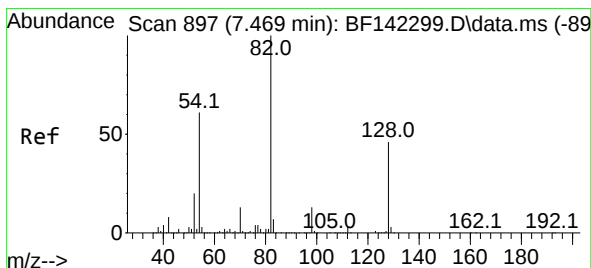
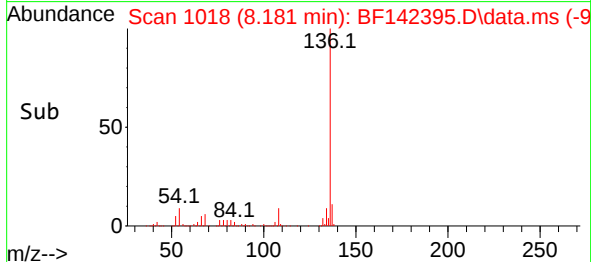
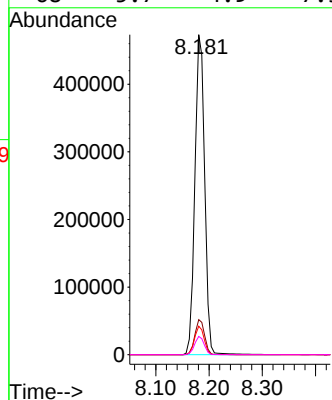
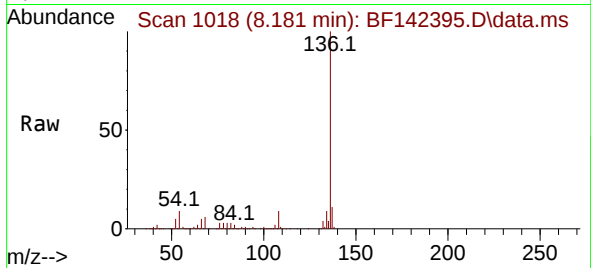


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142395.D
Acq: 15 May 2025 16:43

Instrument :
BNA_F
ClientSampleId :
HEATER-PAD

Tgt Ion:136 Resp: 603955

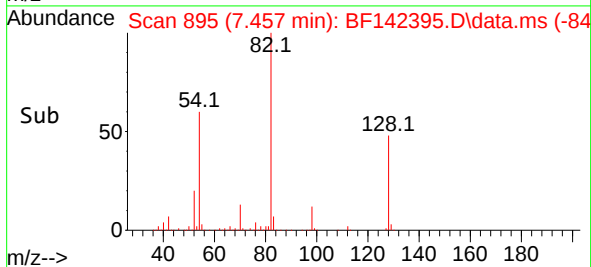
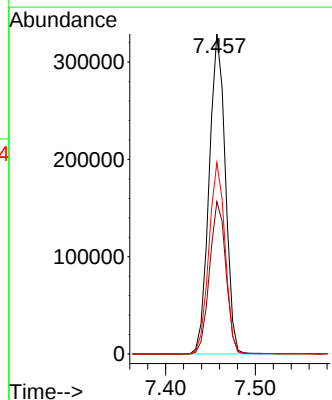
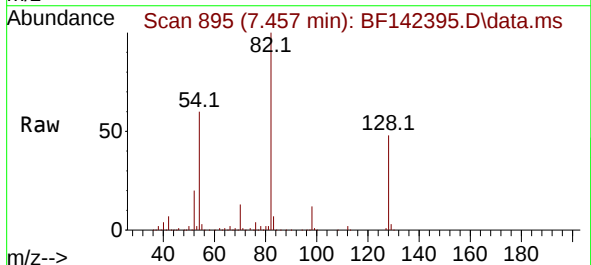
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.9	7.7	11.5
68	5.7	4.9	7.3

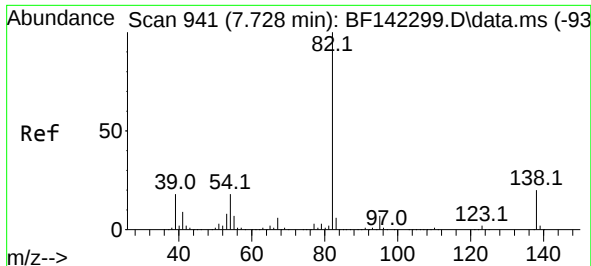


#23
Nitrobenzene-d5
Concen: 41.672 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF142395.D
Acq: 15 May 2025 16:43

Tgt Ion: 82 Resp: 412681

Ion	Ratio	Lower	Upper
82	100		
128	47.6	37.0	55.6
54	59.8	48.6	73.0

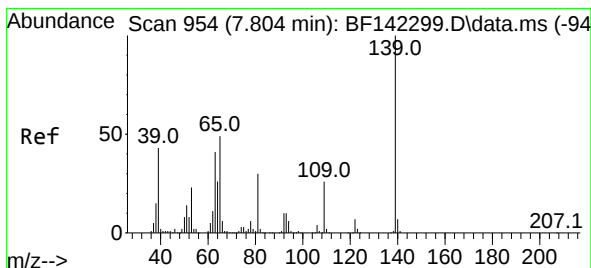
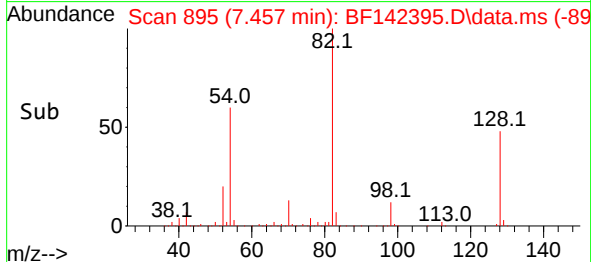
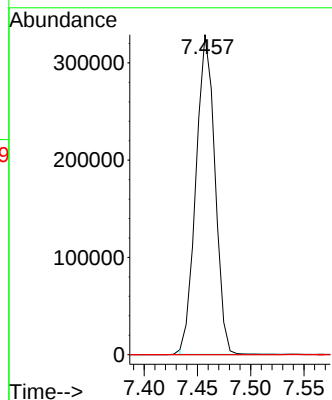
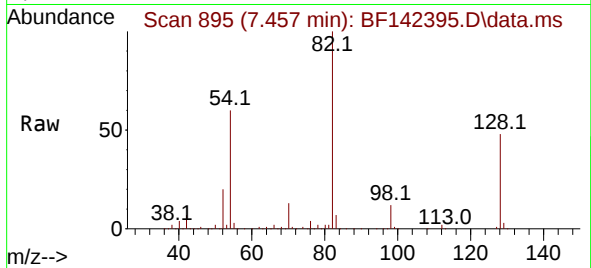




#25
Isophorone
Concen: 21.786 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF142395.D
Acq: 15 May 2025 16:43

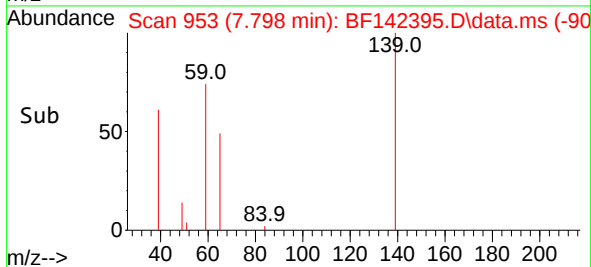
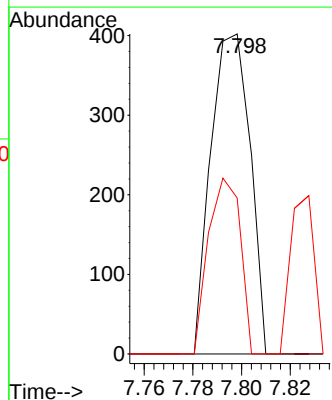
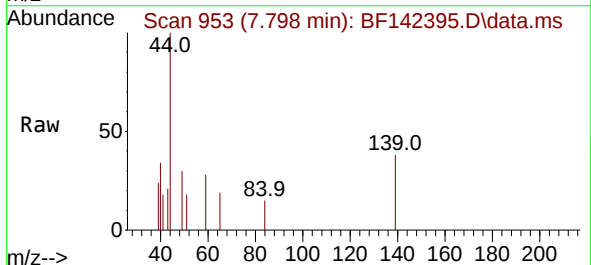
Instrument :
BNA_F
ClientSampleId :
HEATER-PAD

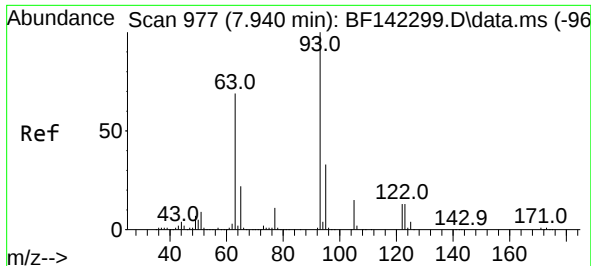
Tgt Ion: 82 Resp: 408547
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#26
2-Nitrophenol
Concen: 4.179 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142395.D
Acq: 15 May 2025 16:43

Tgt Ion:139 Resp: 450
Ion Ratio Lower Upper
139 100
109 0.0 20.8 31.2#
65 48.8 38.9 58.3

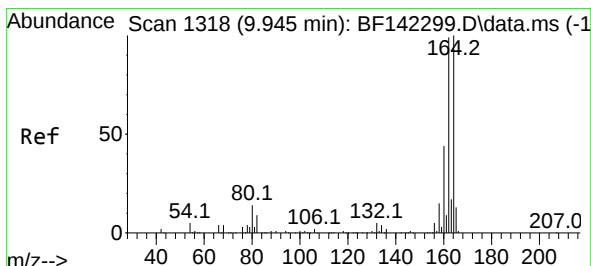
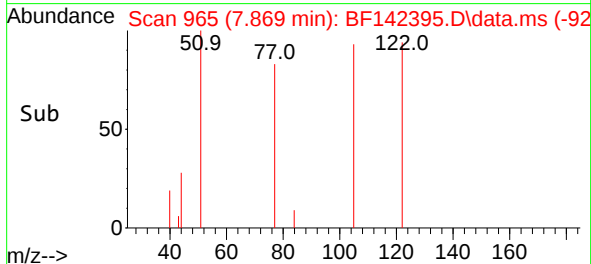
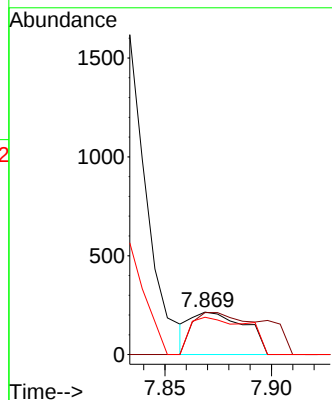
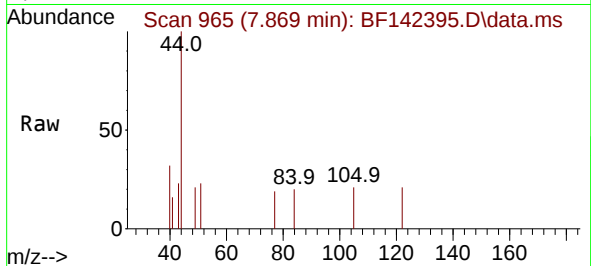




#32
Benzoic acid
Concen: 6.092 ng
RT: 7.869 min Scan# 90
Delta R.T. -0.071 min
Lab File: BF142395.D
Acq: 15 May 2025 16:43

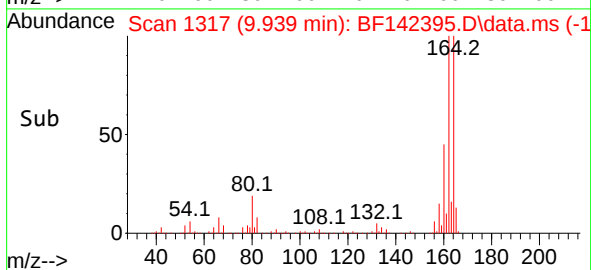
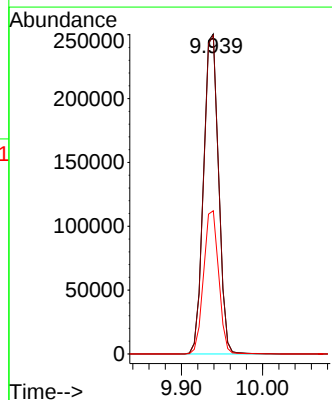
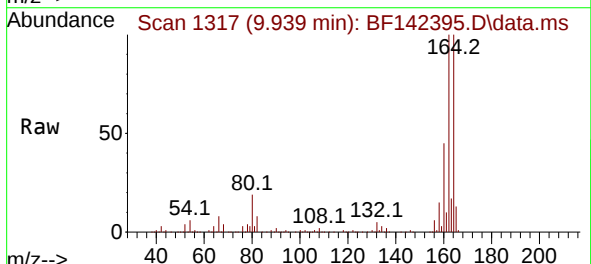
Instrument :
BNA_F
ClientSampleId :
HEATER-PAD

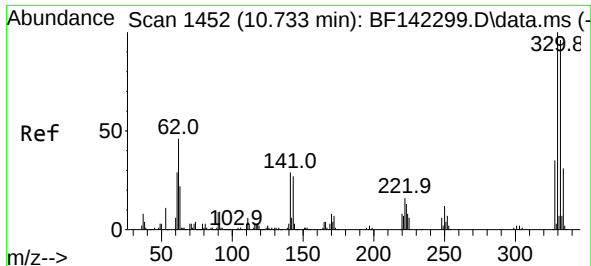
Tgt Ion:122 Resp: 381
Ion Ratio Lower Upper
122 100
105 98.6 97.9 137.9
77 87.9 67.7 107.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142395.D
Acq: 15 May 2025 16:43

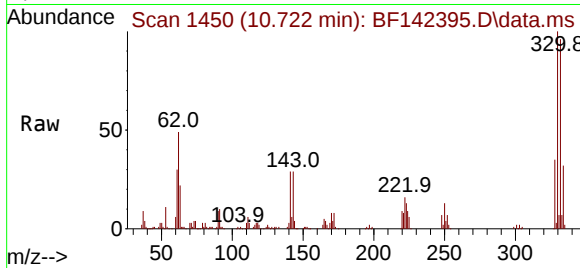
Tgt Ion:164 Resp: 322047
Ion Ratio Lower Upper
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162 99.6 79.2 118.8
160 44.7 35.3 52.9



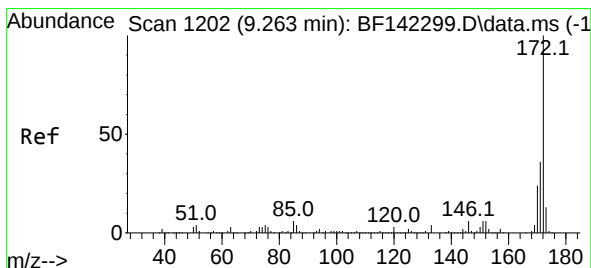
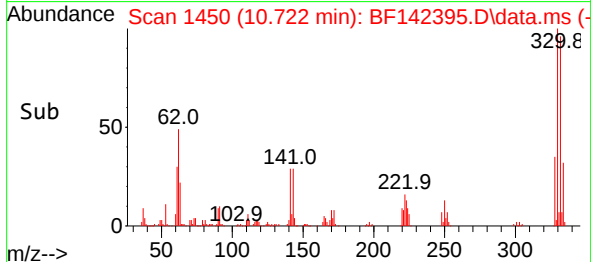
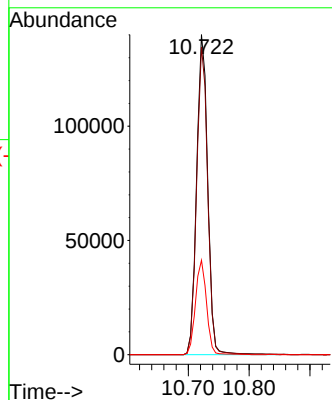


#42
2,4,6-Tribromophenol
Concen: 57.040 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF142395.D
Acq: 15 May 2025 16:43

Instrument :
BNA_F
ClientSampleId :
HEATER-PAD

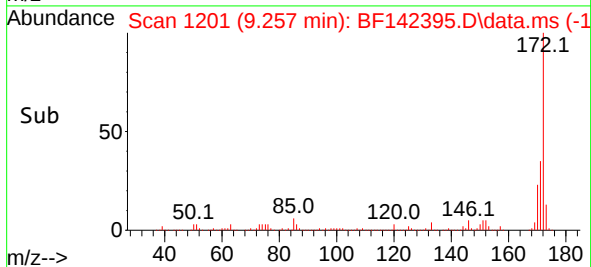
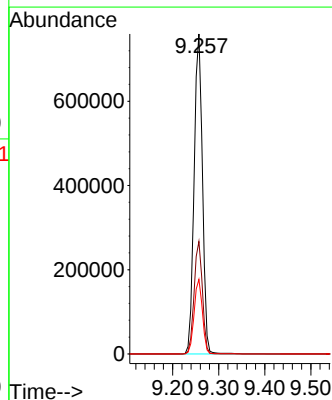
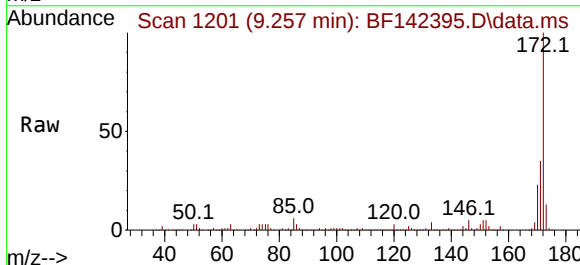


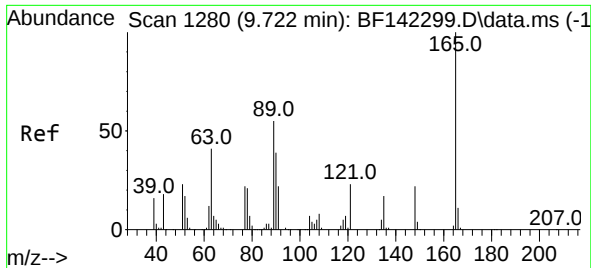
Tgt Ion:330 Resp: 177354
Ion Ratio Lower Upper
330 100
332 96.1 76.8 115.2
141 29.4 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 42.166 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142395.D
Acq: 15 May 2025 16:43

Tgt Ion:172 Resp: 952346
Ion Ratio Lower Upper
172 100
171 35.1 28.6 42.8
170 23.3 19.0 28.4

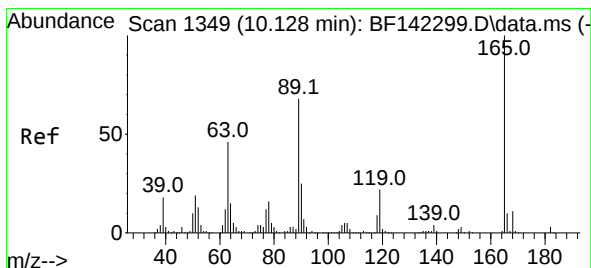
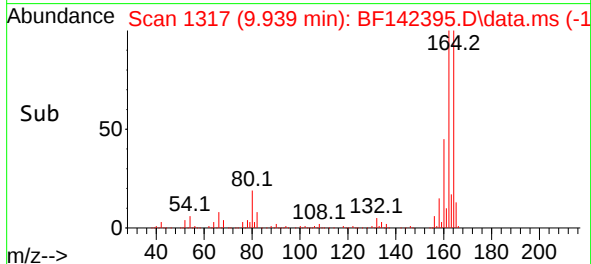
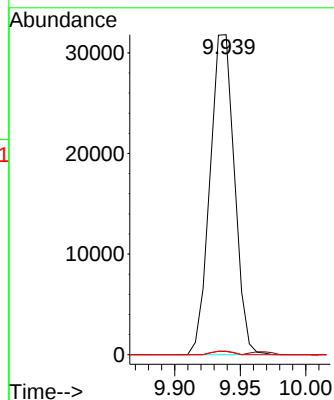
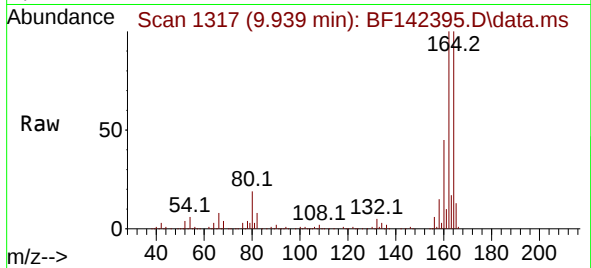




#51
2,6-Dinitrotoluene
Concen: 10.665 ng
RT: 9.939 min Scan# 1317
Delta R.T. 0.217 min
Lab File: BF142395.D
Acq: 15 May 2025 16:43

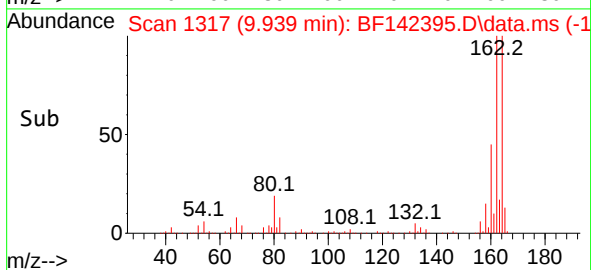
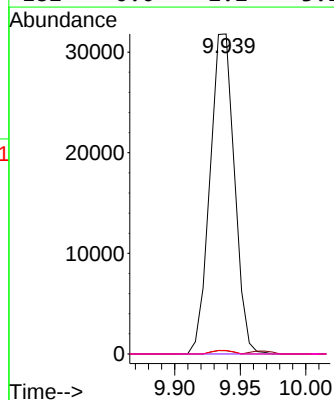
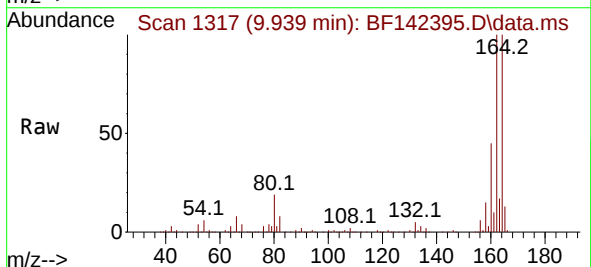
Instrument :
BNA_F
ClientSampleId :
HEATER-PAD

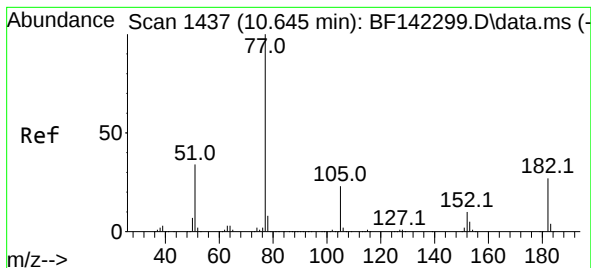
Tgt Ion:165 Resp: 41282
Ion Ratio Lower Upper
165 100
63 1.0 49.5 74.3#
89 1.1 44.6 66.8#



#57
2,4-Dinitrotoluene
Concen: 8.314 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.188 min
Lab File: BF142395.D
Acq: 15 May 2025 16:43

Tgt Ion:165 Resp: 41282
Ion Ratio Lower Upper
165 100
63 1.0 37.1 55.7#
89 1.1 54.4 81.6#
182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 2.645 ng

RT: 10.645 min Scan# 1437

Delta R.T. -0.000 min

Lab File: BF142395.D

Acq: 15 May 2025 16:43

Instrument :

BNA_F

ClientSampleId :

HEATER-PAD

Tgt Ion: 77 Resp: 52202

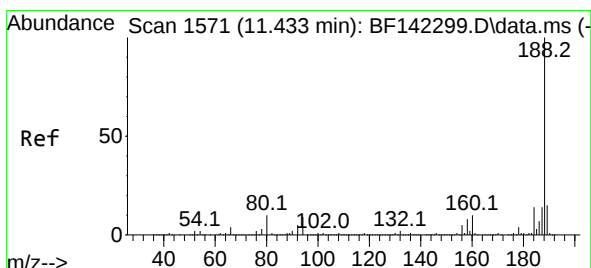
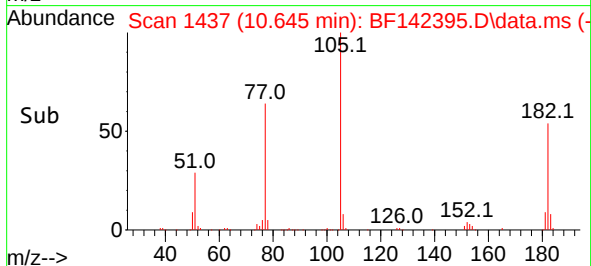
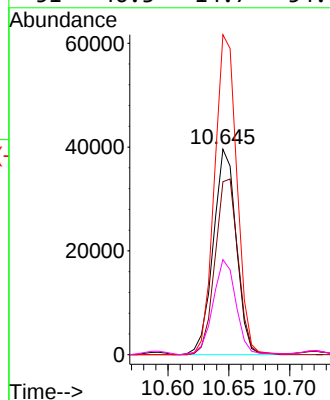
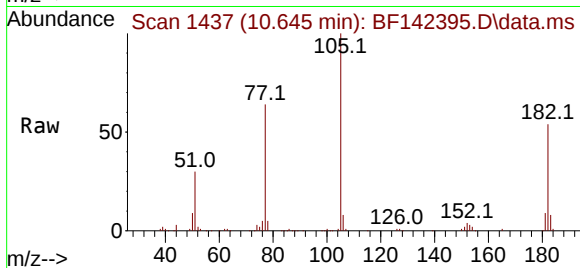
Ion Ratio Lower Upper

77 100

182 84.2 6.9 46.9#

105 155.7 2.7 42.7#

51 46.3 14.7 54.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.421 min Scan# 1569

Delta R.T. -0.012 min

Lab File: BF142395.D

Acq: 15 May 2025 16:43

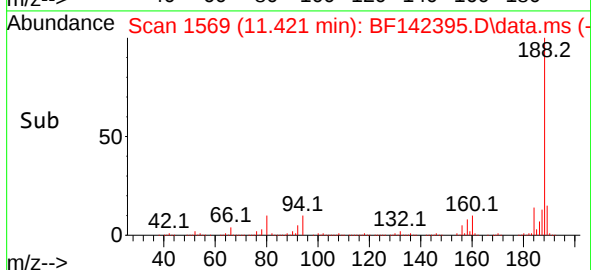
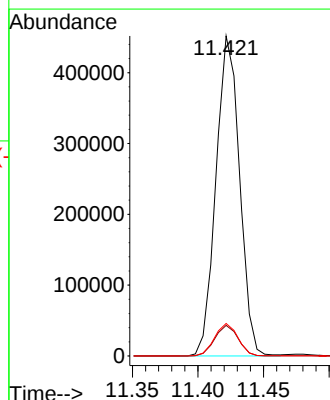
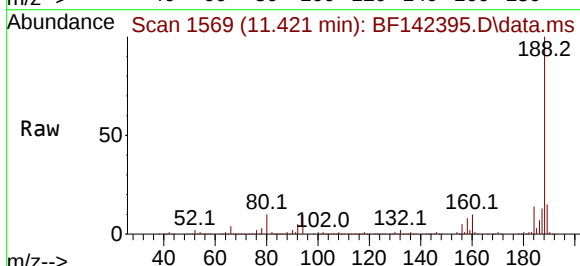
Tgt Ion: 188 Resp: 565149

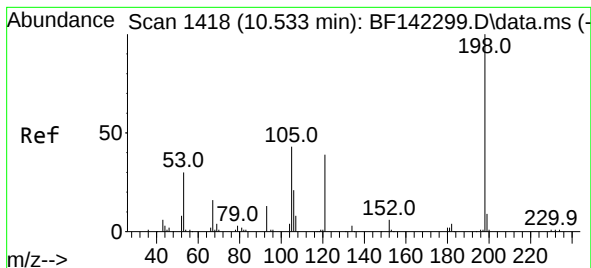
Ion Ratio Lower Upper

188 100

94 9.6 7.5 11.3

80 10.2 7.9 11.9

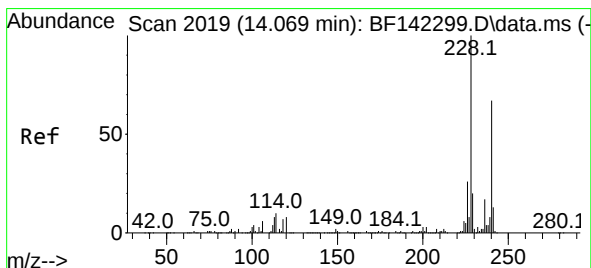
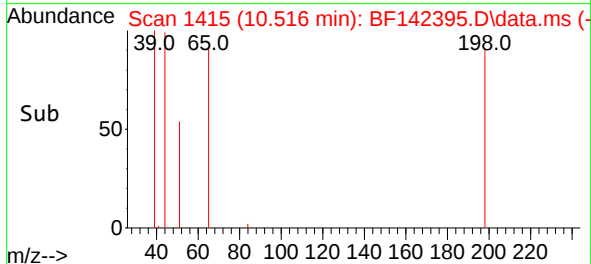
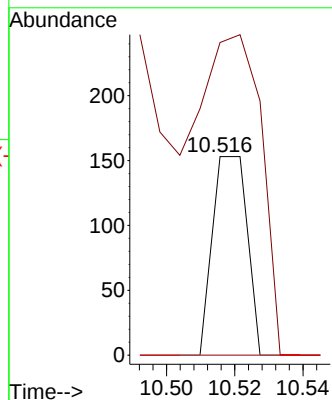
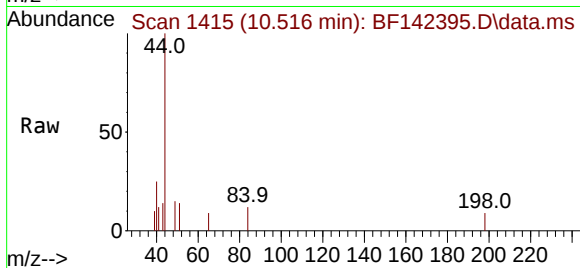




#65
4,6-Dinitro-2-methylphenol
Concen: 7.220 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.017 min
Lab File: BF142395.D
Acq: 15 May 2025 16:43

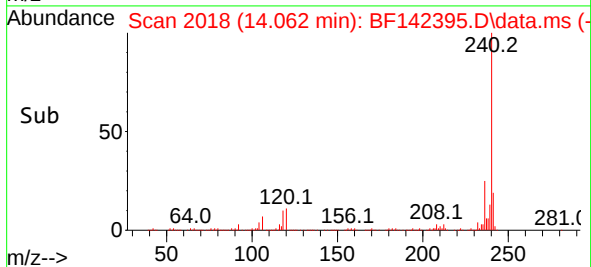
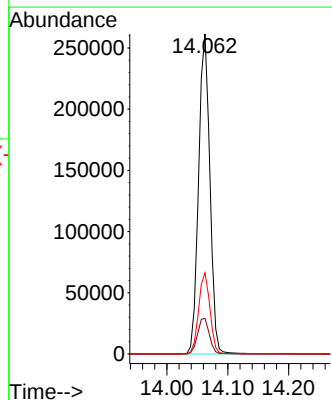
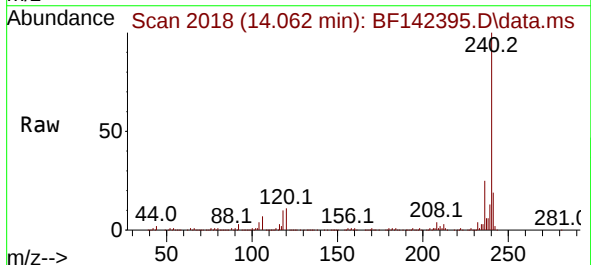
Instrument :
BNA_F
ClientSampleId :
HEATER-PAD

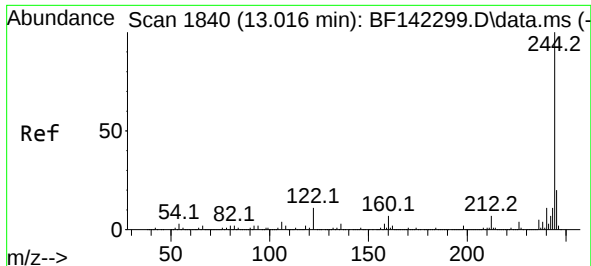
Tgt Ion:198 Resp: 108
Ion Ratio Lower Upper
198 100
51 157.5 32.9 72.9#
105 0.0 23.7 63.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142395.D
Acq: 15 May 2025 16:43

Tgt Ion:240 Resp: 336374
Ion Ratio Lower Upper
240 100
120 11.2 9.7 14.5
236 25.4 20.0 30.0

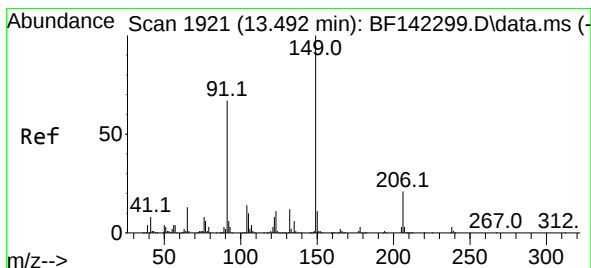
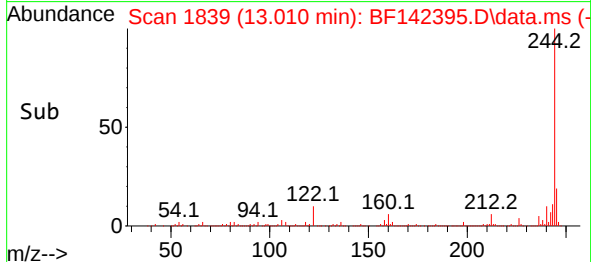
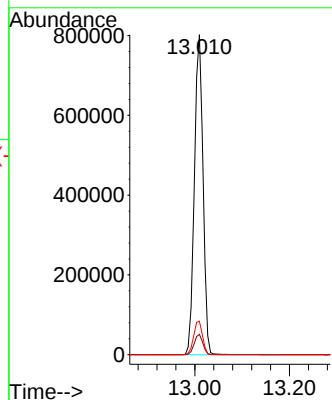
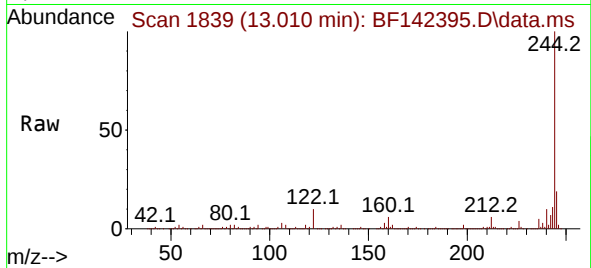




#79
 Terphenyl-d14
 Concen: 44.604 ng
 RT: 13.010 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF142395.D
 Acq: 15 May 2025 16:43

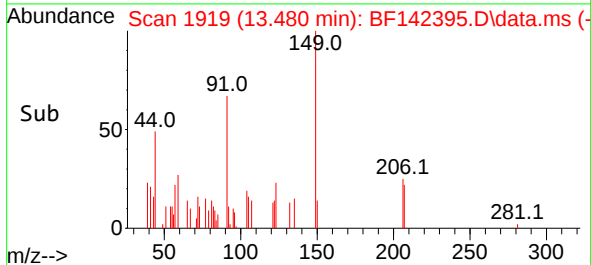
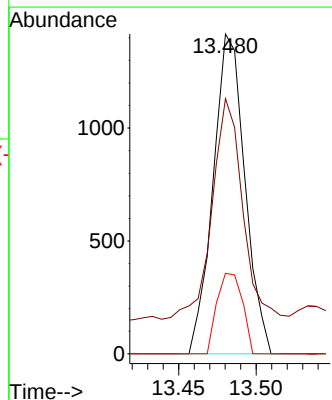
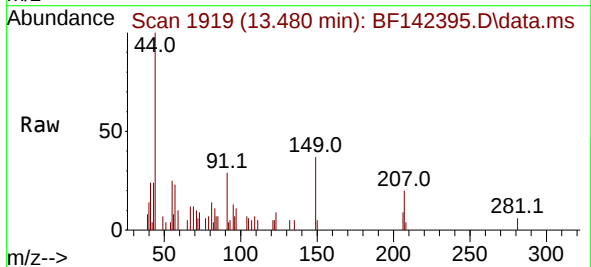
Instrument :
 BNA_F
 ClientSampleId :
 HEATER-PAD

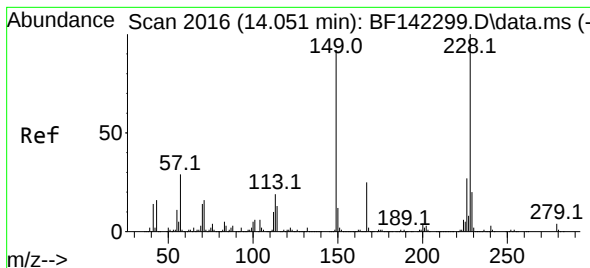
Tgt Ion:244 Resp: 1013694
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.4 8.2
 122 10.5 9.0 13.4



#80
 Butylbenzylphthalate
 Concen: 3.872 ng
 RT: 13.480 min Scan# 1919
 Delta R.T. -0.012 min
 Lab File: BF142395.D
 Acq: 15 May 2025 16:43

Tgt Ion:149 Resp: 2015
 Ion Ratio Lower Upper
 149 100
 91 79.8 53.8 80.6
 206 25.2 16.6 24.8#

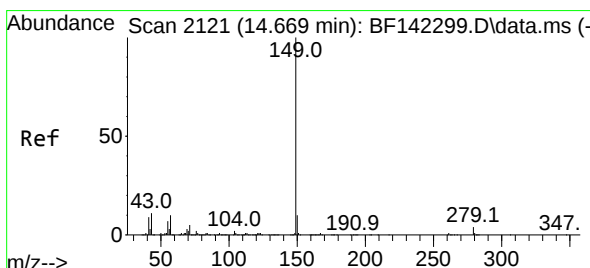
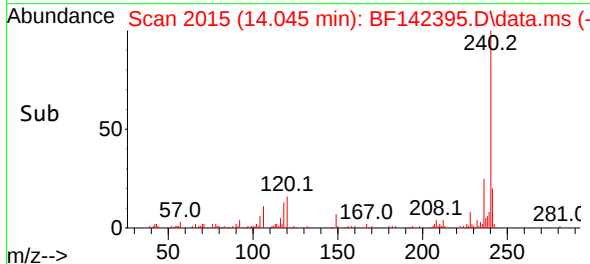
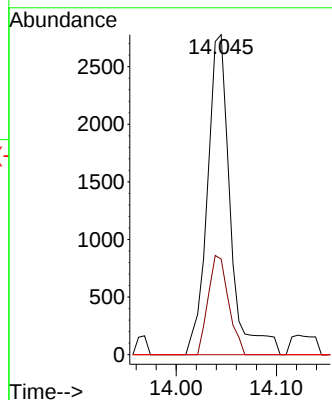
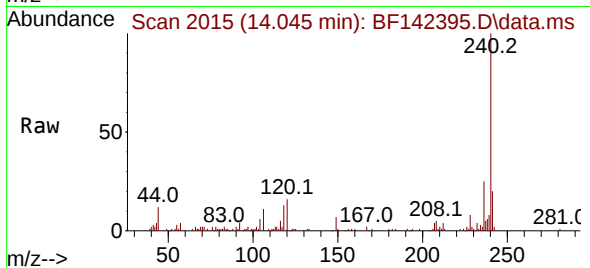




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.591 ng
 RT: 14.045 min Scan# 2015
 Delta R.T. -0.006 min
 Lab File: BF142395.D
 Acq: 15 May 2025 16:43

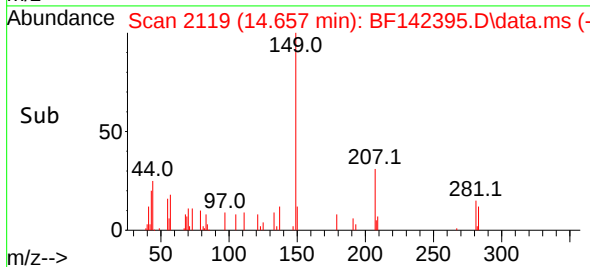
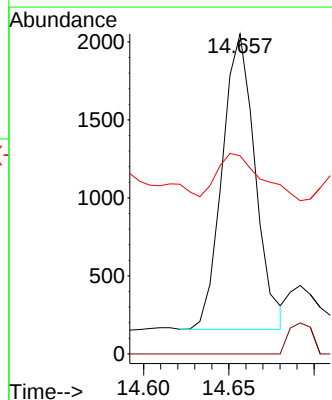
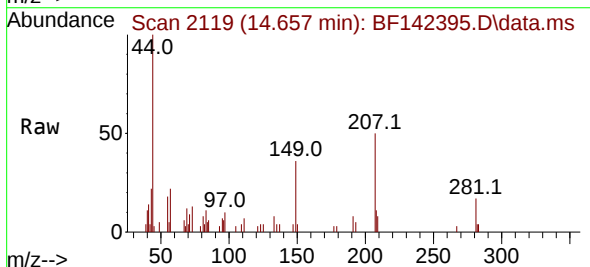
Instrument :
 BNA_F
 ClientSampleId :
 HEATER-PAD

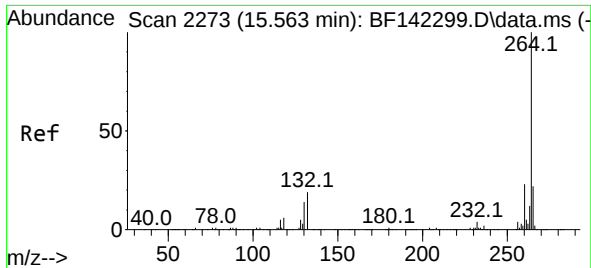
Tgt Ion:149 Resp: 4416
 Ion Ratio Lower Upper
 149 100
 167 29.9 22.0 33.0
 279 0.0 3.0 4.6#



#85
 Di-n-octyl phthalate
 Concen: 7.943 ng
 RT: 14.657 min Scan# 2119
 Delta R.T. -0.012 min
 Lab File: BF142395.D
 Acq: 15 May 2025 16:43

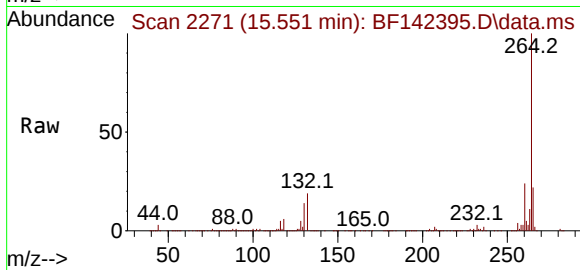
Tgt Ion:149 Resp: 2542
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.1 1.7#
 43 35.4 9.2 13.8#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.551 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF142395.D
 Acq: 15 May 2025 16:43

Instrument :
 BNA_F
 ClientSampleId :
 HEATER-PAD



Tgt Ion:264 Resp: 339653
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.6 27.8
 265 21.8 17.5 26.3

