

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051225\
 Data File : BF142314.D
 Acq On : 12 May 2025 12:20
 Operator : RC/JU
 Sample : Q1986-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-8

Quant Time: May 12 13:03:17 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)

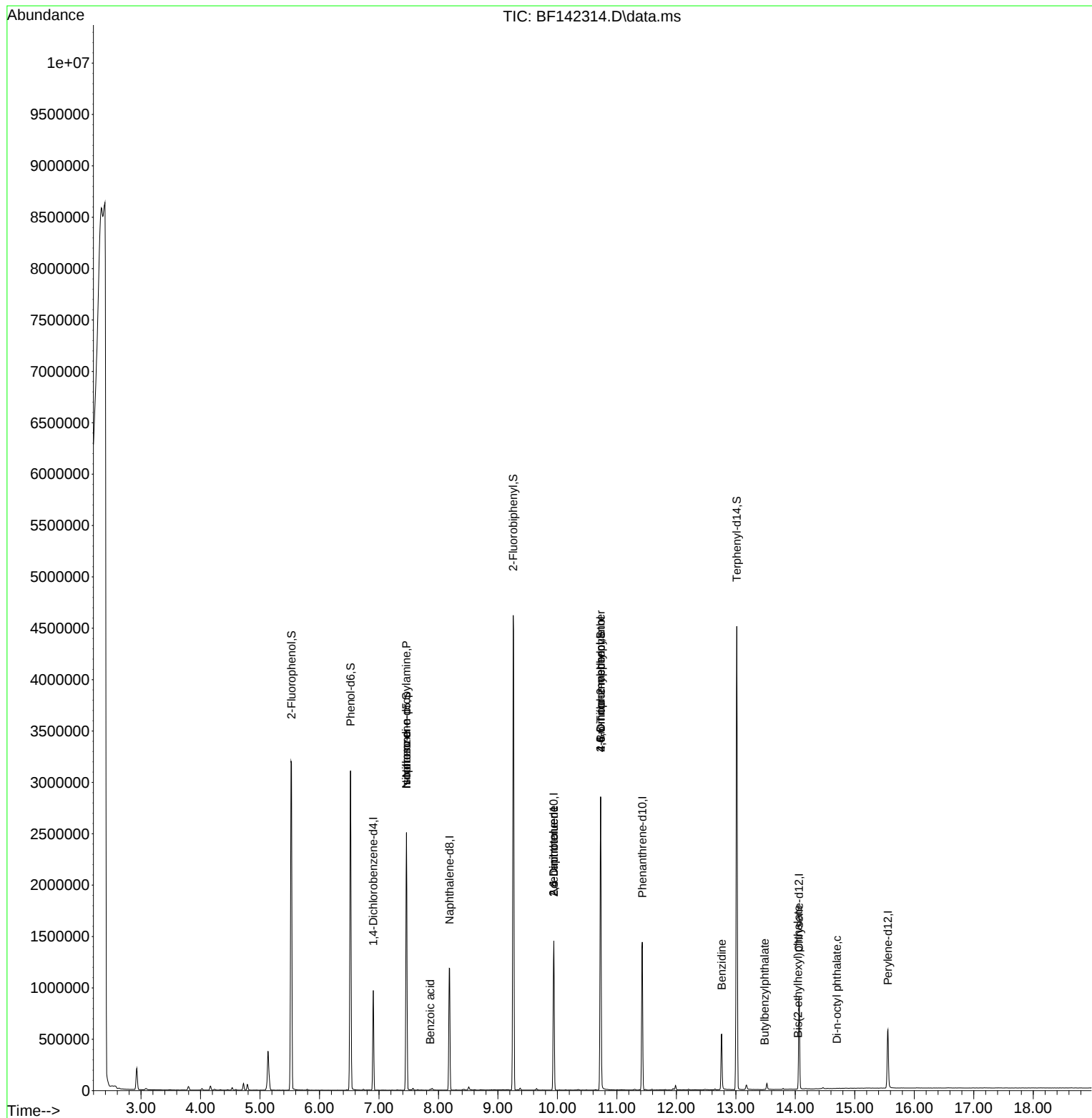
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	201467	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	772765	20.000	ng	0.00
39) Acenaphthene-d10	9.940	164	428245	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	746386	20.000	ng	0.00
76) Chrysene-d12	14.063	240	437033	20.000	ng	0.00
86) Perylene-d12	15.557	264	344368	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1315591	111.473	ng	0.02
7) Phenol-d6	6.522	99	1492518	102.823	ng	0.00
23) Nitrobenzene-d5	7.463	82	1045847	82.539	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	514754	124.498	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	2156127	71.790	ng	0.00
79) Terphenyl-d14	13.016	244	2254394	76.350	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	137709	15.337	ng	# 79
25) Isophorone	7.463	82	1031949	43.008	ng	# 62
32) Benzoic acid	7.863	122	3395	6.552	ng	98
51) 2,6-Dinitrotoluene	9.940	165	55649	10.811	ng	# 23
57) 2,4-Dinitrotoluene	9.940	165	55649	8.428	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.728	198	937	7.414	ng	# 1
67) 4-Bromophenyl-phenylether	10.728	248	31656	3.742	ng	# 1
77) Benzidine	12.763	184	315017	39.664	ng	99
80) Butylbenzylphthalate	13.486	149	714	3.717	ng	# 78
84) Bis(2-ethylhexyl)phtha...	14.045	149	2744	4.406	ng	# 98
85) Di-n-octyl phthalate	14.698	149	297	7.849	ng	# 73

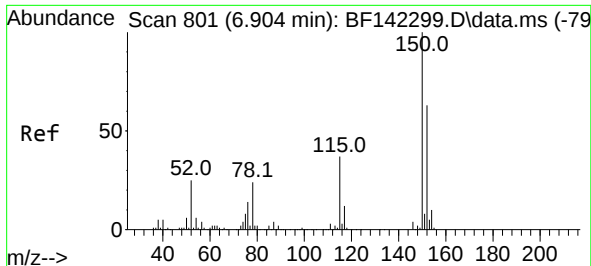
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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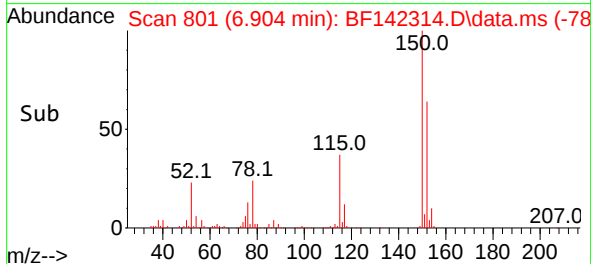
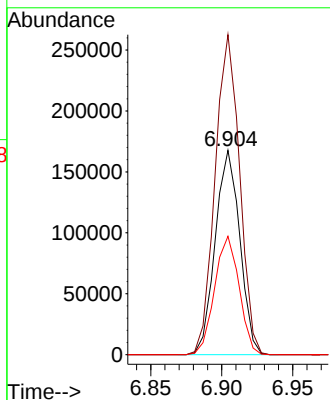
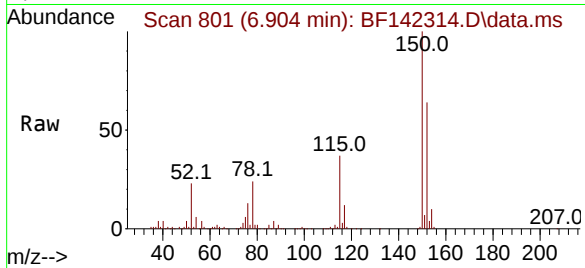




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142314.D
Acq: 12 May 2025 12:20

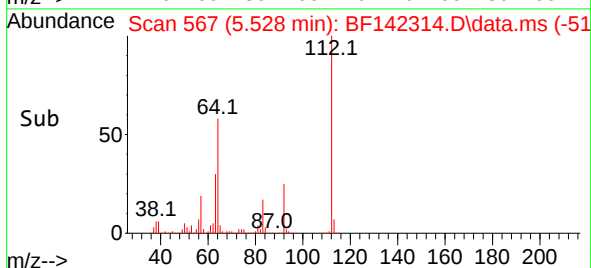
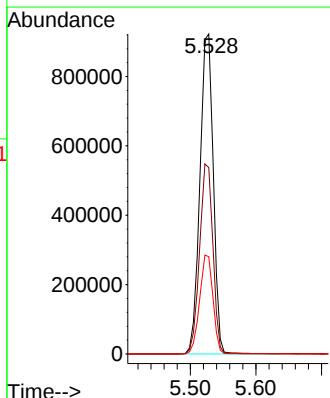
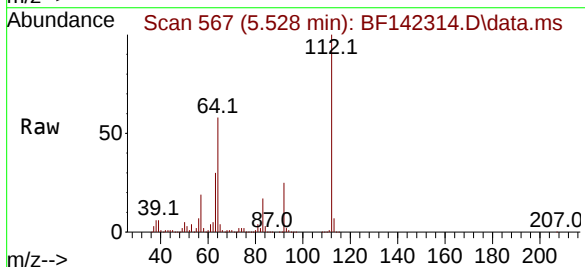
Instrument :
BNA_F
ClientSampleId :
COMP-8

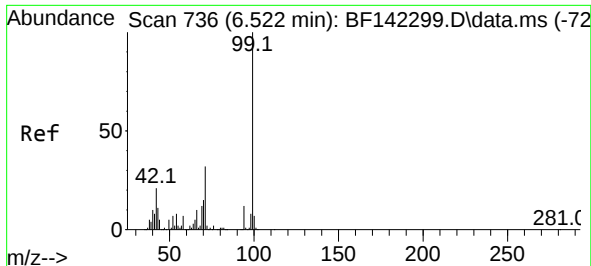
Tgt Ion:152 Resp: 201467
Ion Ratio Lower Upper
152 100
150 156.7 126.6 190.0
115 58.0 47.3 70.9



#5
2-Fluorophenol
Concen: 111.473 ng
RT: 5.528 min Scan# 567
Delta R.T. 0.018 min
Lab File: BF142314.D
Acq: 12 May 2025 12:20

Tgt Ion:112 Resp: 1315591
Ion Ratio Lower Upper
112 100
64 58.2 48.9 73.3
63 30.4 25.6 38.4

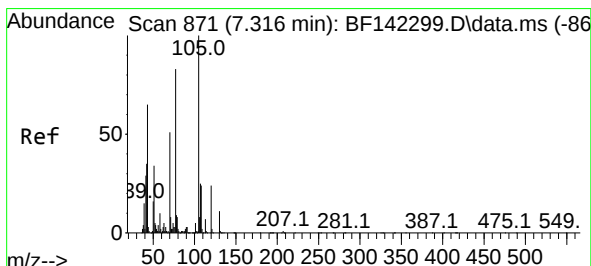
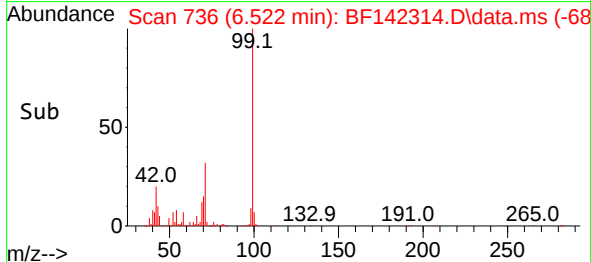
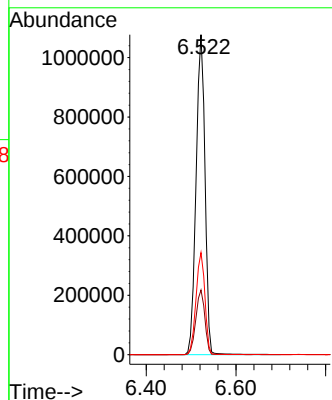
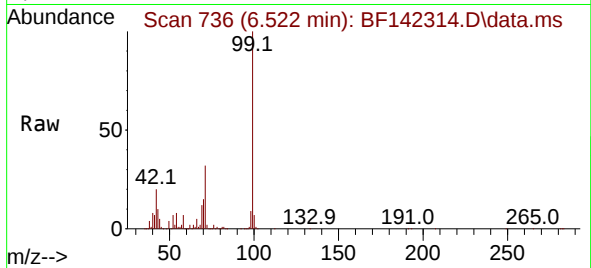




#7
Phenol-d6
Concen: 102.823 ng
RT: 6.522 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142314.D
Acq: 12 May 2025 12:20

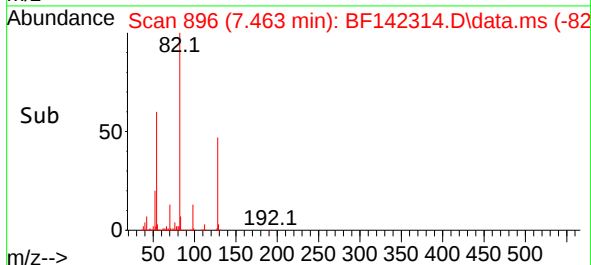
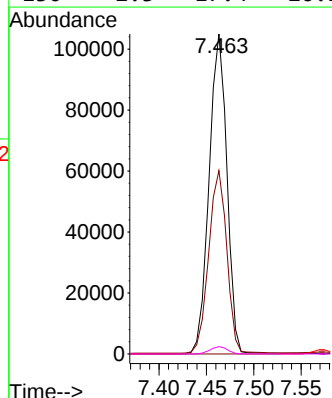
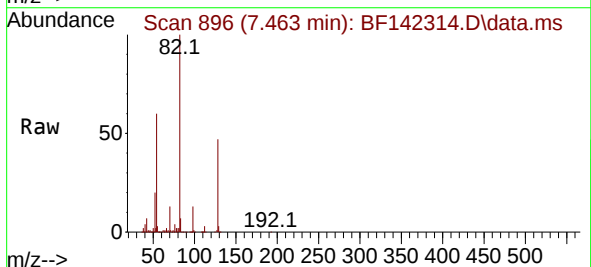
Instrument :
BNA_F
ClientSampleId :
COMP-8

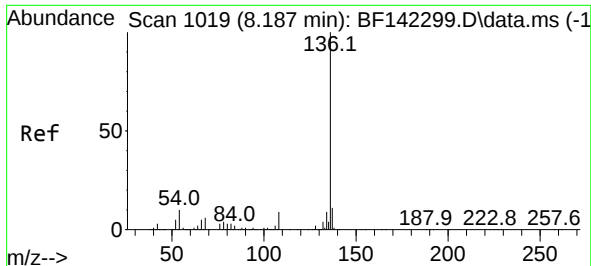
Tgt Ion: 99 Resp: 1492518
Ion Ratio Lower Upper
99 100
42 20.2 17.0 25.4
71 31.9 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.337 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.147 min
Lab File: BF142314.D
Acq: 12 May 2025 12:20

Tgt Ion: 70 Resp: 137709
Ion Ratio Lower Upper
70 100
42 57.3 54.8 82.2
101 0.0 7.7 11.5#
130 2.3 17.4 26.2#

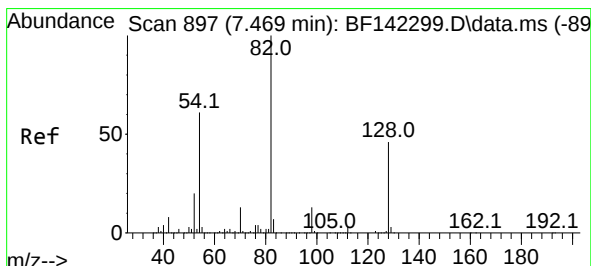
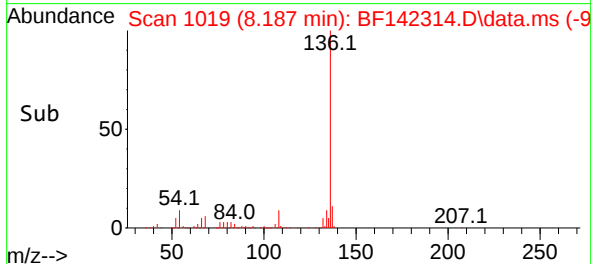
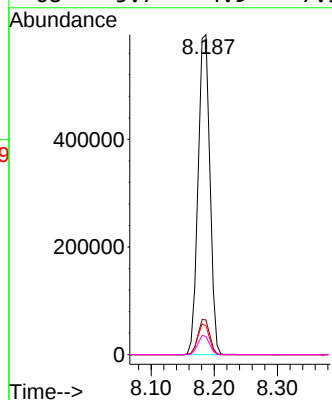
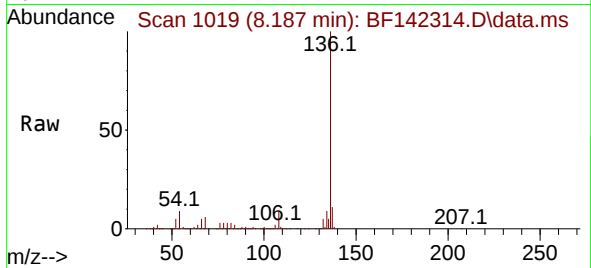




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF142314.D
Acq: 12 May 2025 12:20

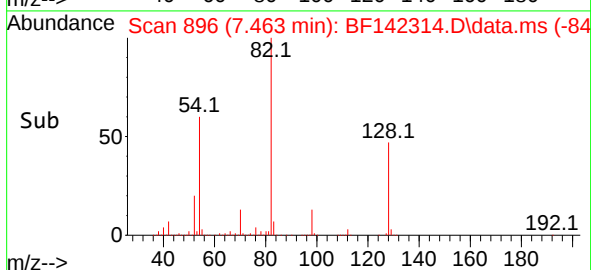
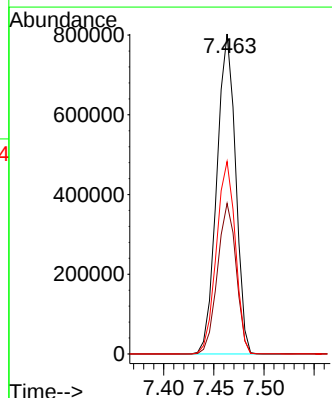
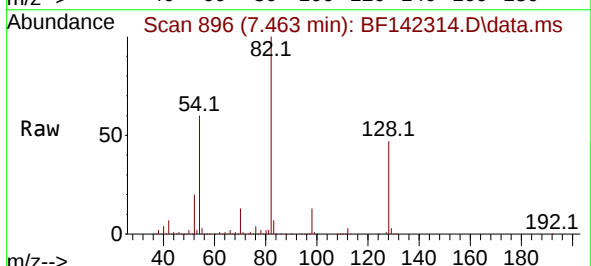
Instrument :
BNA_F
ClientSampleId :
COMP-8

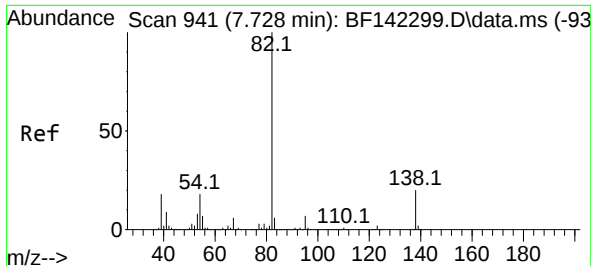
Tgt Ion:	136	Resp:	772765
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.0	7.7	11.5
68	5.7	4.9	7.3



#23
Nitrobenzene-d5
Concen: 82.539 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF142314.D
Acq: 12 May 2025 12:20

Tgt Ion:	82	Resp:	1045847
Ion	Ratio	Lower	Upper
82	100		
128	47.0	37.0	55.6
54	60.2	48.6	73.0

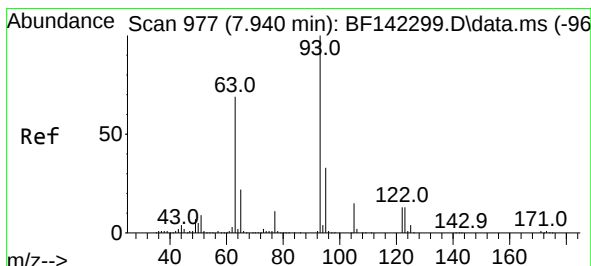
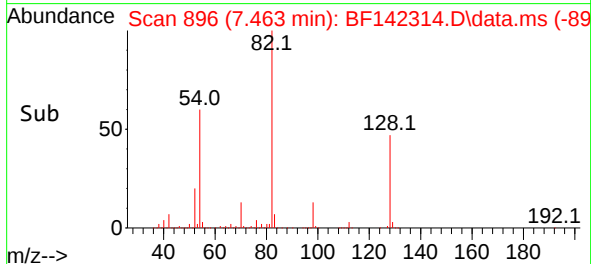
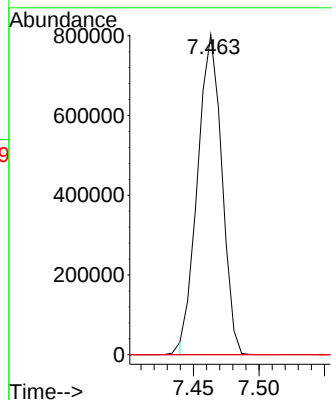
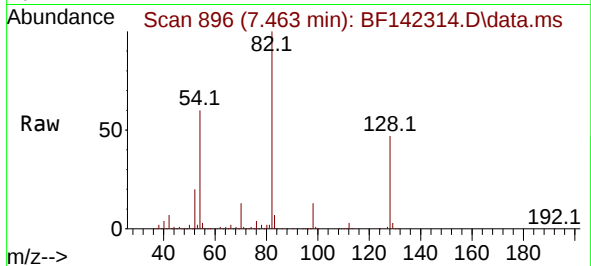




#25
Isophorone
Concen: 43.008 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF142314.D
Acq: 12 May 2025 12:20

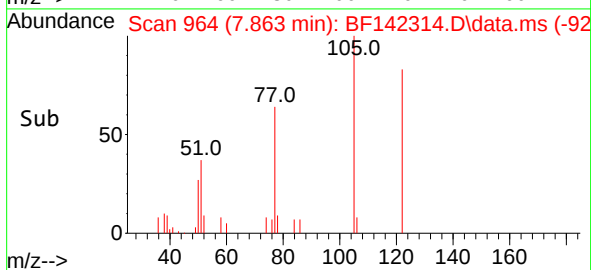
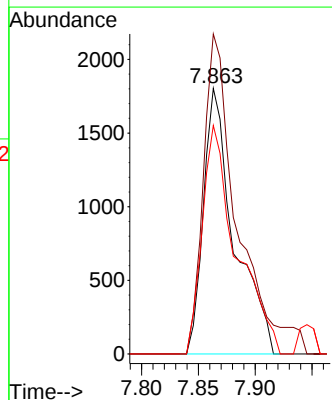
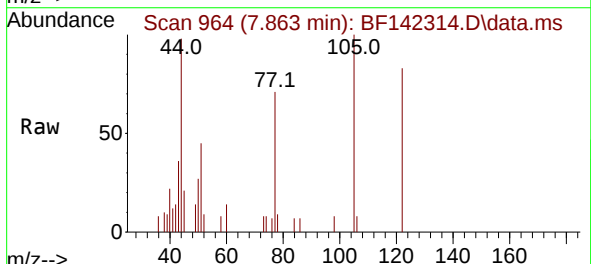
Instrument :
BNA_F
ClientSampleId :
COMP-8

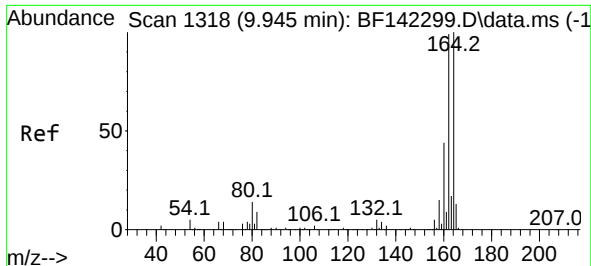
Tgt Ion: 82 Resp: 1031949
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#32
Benzoic acid
Concen: 6.552 ng
RT: 7.863 min Scan# 964
Delta R.T. -0.077 min
Lab File: BF142314.D
Acq: 12 May 2025 12:20

Tgt Ion:122 Resp: 3395
Ion Ratio Lower Upper
122 100
105 120.5 97.9 137.9
77 86.0 67.7 107.7

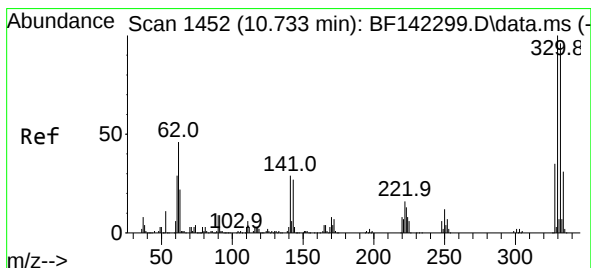
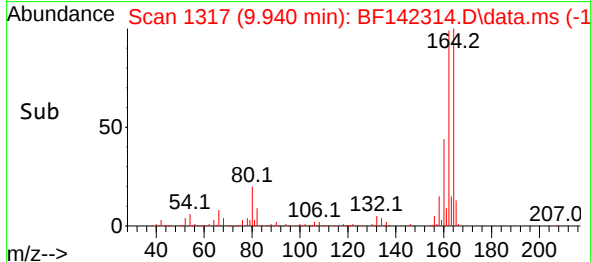
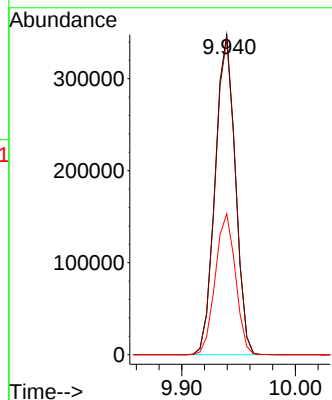
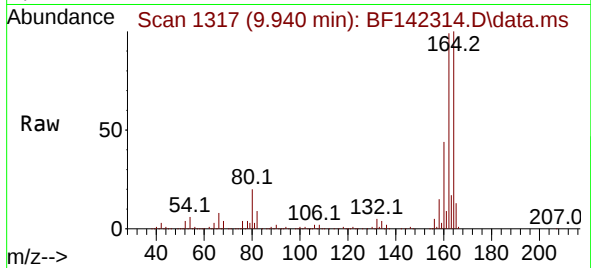




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.940 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF142314.D
Acq: 12 May 2025 12:20

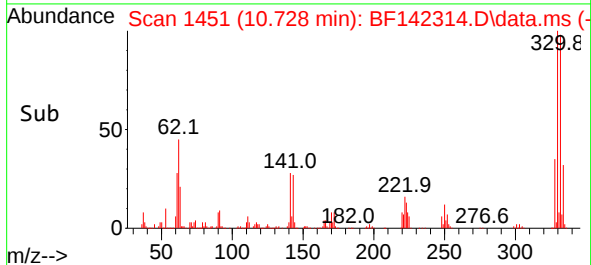
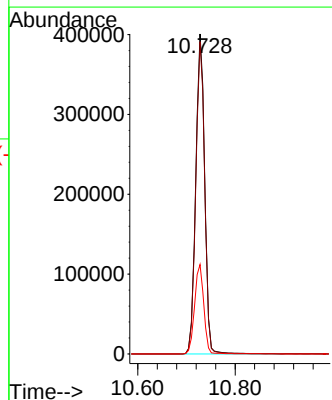
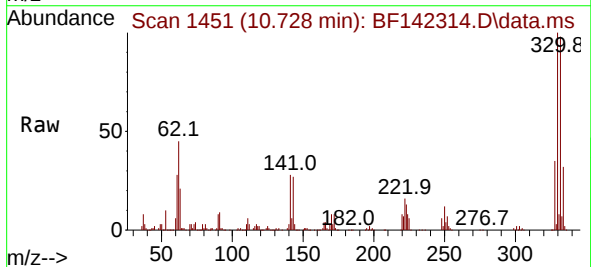
Instrument :
BNA_F
ClientSampleId :
COMP-8

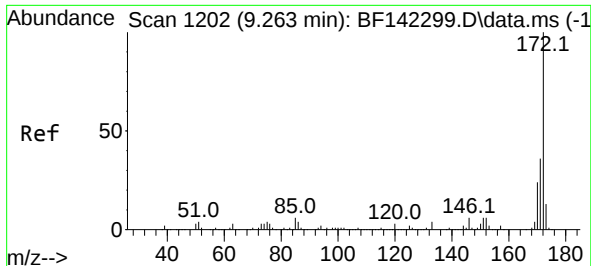
Tgt Ion:164 Resp: 428245
Ion Ratio Lower Upper
164 100
162 98.6 79.2 118.8
160 44.0 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 124.498 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142314.D
Acq: 12 May 2025 12:20

Tgt Ion:330 Resp: 514754
Ion Ratio Lower Upper
330 100
332 97.2 76.8 115.2
141 28.8 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 71.790 ng

RT: 9.257 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142314.D

Acq: 12 May 2025 12:20

Instrument :

BNA_F

ClientSampleId :

COMP-8

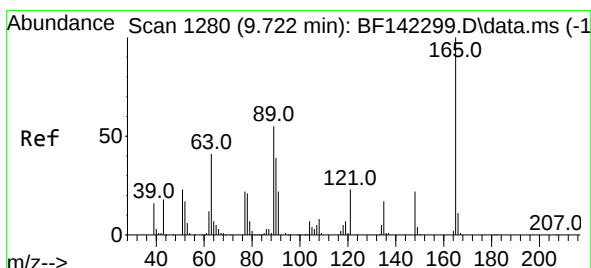
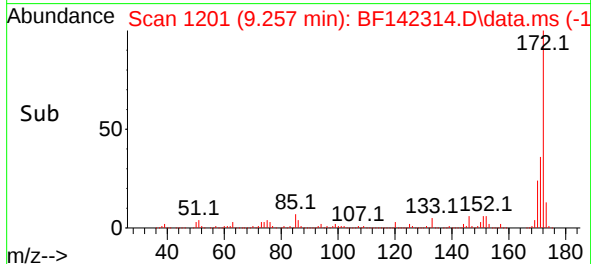
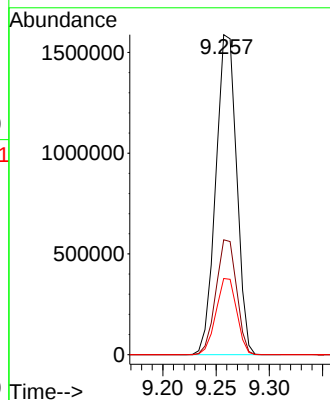
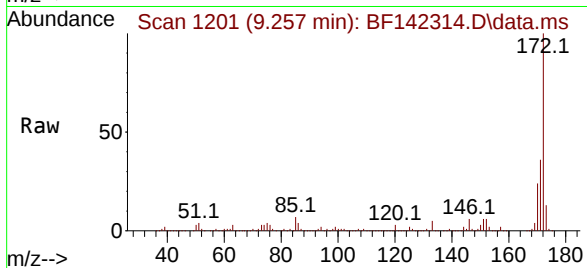
Tgt Ion:172 Resp: 2156127

Ion Ratio Lower Upper

172 100

171 35.9 28.6 42.8

170 23.8 19.0 28.4



#51

2,6-Dinitrotoluene

Concen: 10.811 ng

RT: 9.940 min Scan# 1317

Delta R.T. 0.218 min

Lab File: BF142314.D

Acq: 12 May 2025 12:20

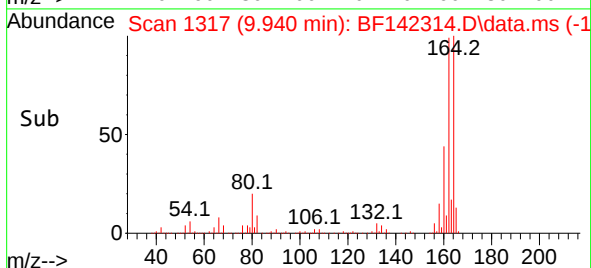
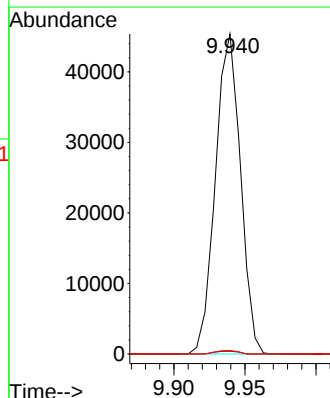
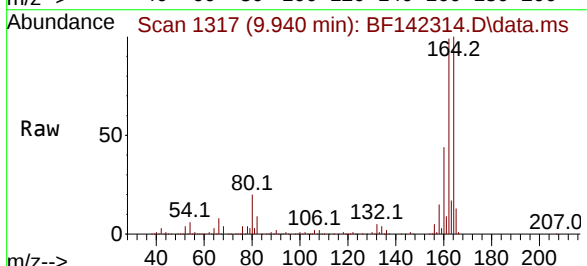
Tgt Ion:165 Resp: 55649

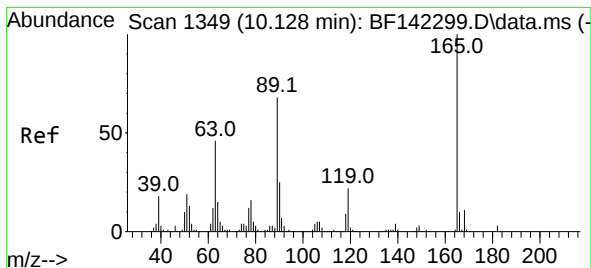
Ion Ratio Lower Upper

165 100

63 0.9 49.5 74.3#

89 1.1 44.6 66.8#

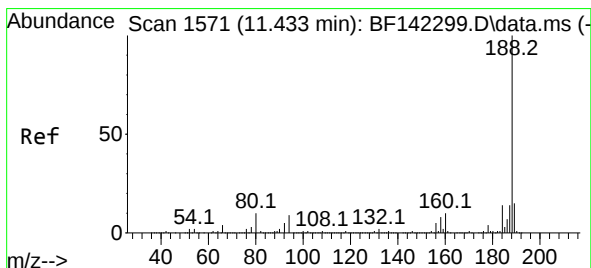
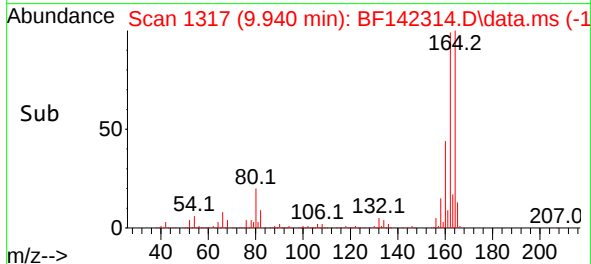
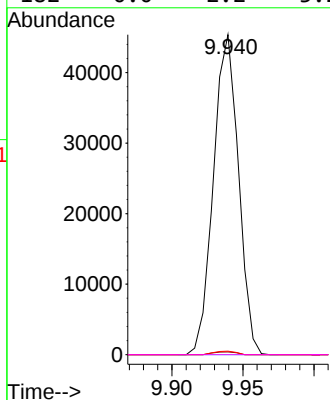
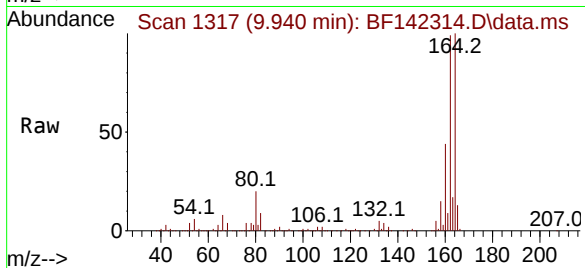




#57
2,4-Dinitrotoluene
Concen: 8.428 ng
RT: 9.940 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF142314.D
Acq: 12 May 2025 12:20

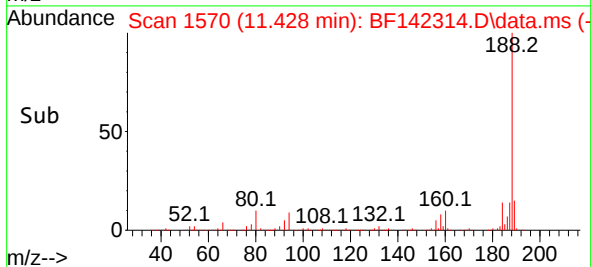
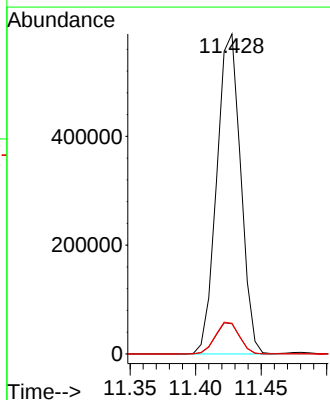
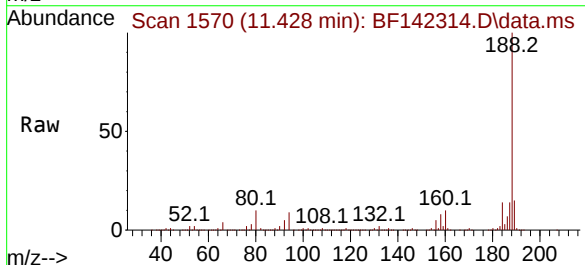
Instrument :
BNA_F
ClientSampleId :
COMP-8

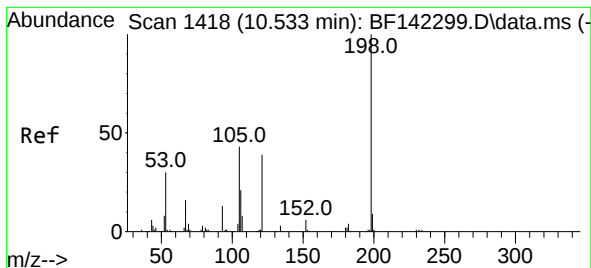
Tgt Ion:165 Resp: 55649
Ion Ratio Lower Upper
165 100
63 0.9 37.1 55.7#
89 1.1 54.4 81.6#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142314.D
Acq: 12 May 2025 12:20

Tgt Ion:188 Resp: 746386
Ion Ratio Lower Upper
188 100
94 9.4 7.5 11.3
80 9.6 7.9 11.9

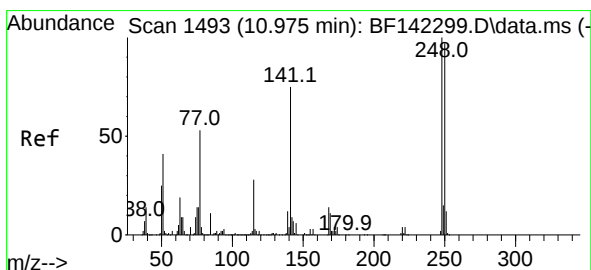
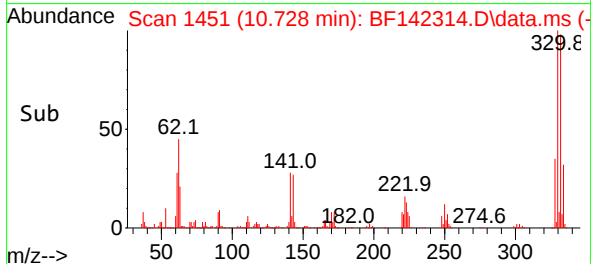
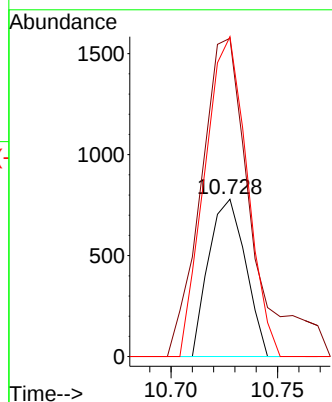
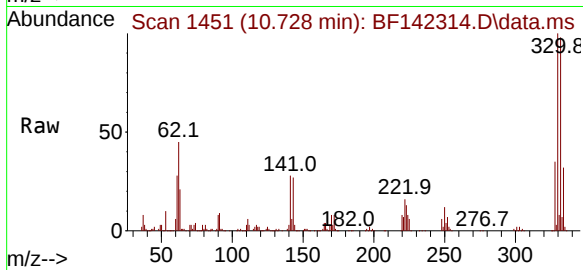




#65
4,6-Dinitro-2-methylphenol
Concen: 7.414 ng
RT: 10.728 min Scan# 1418
Delta R.T. 0.195 min
Lab File: BF142314.D
Acq: 12 May 2025 12:20

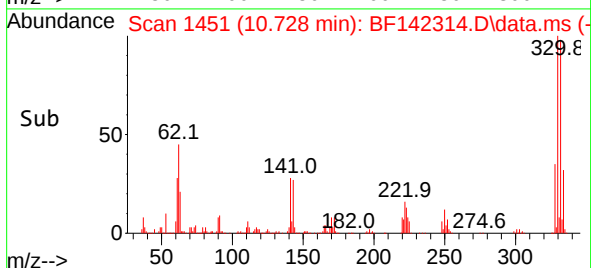
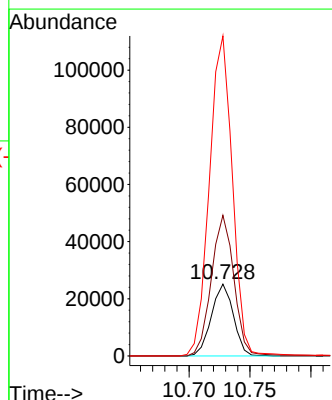
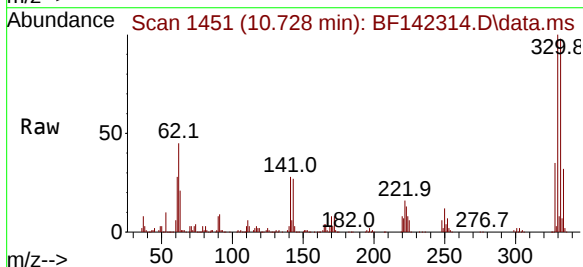
Instrument :
BNA_F
ClientSampleId :
COMP-8

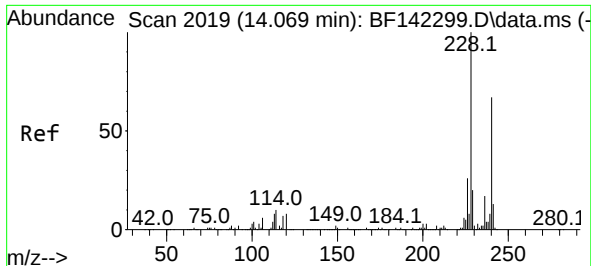
Tgt Ion:198 Resp: 937
Ion Ratio Lower Upper
198 100
51 202.3 32.9 72.9#
105 203.3 23.7 63.7#



#67
4-Bromophenyl-phenylether
Concen: 3.742 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.247 min
Lab File: BF142314.D
Acq: 12 May 2025 12:20

Tgt Ion:248 Resp: 31656
Ion Ratio Lower Upper
248 100
250 195.7 77.9 116.9#
141 445.4 59.8 89.8#

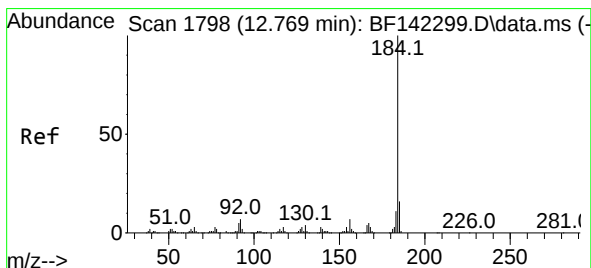
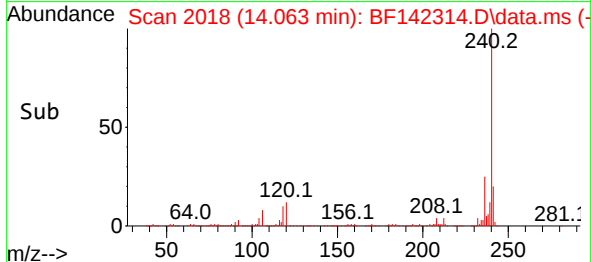
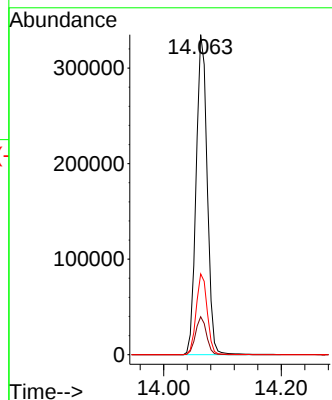
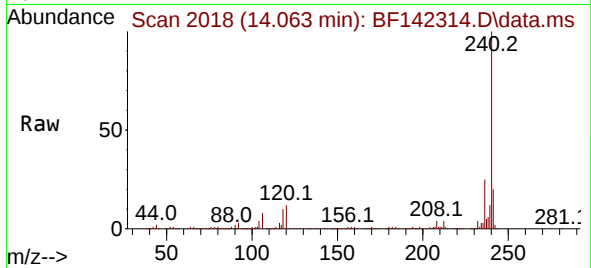




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142314.D
Acq: 12 May 2025 12:20

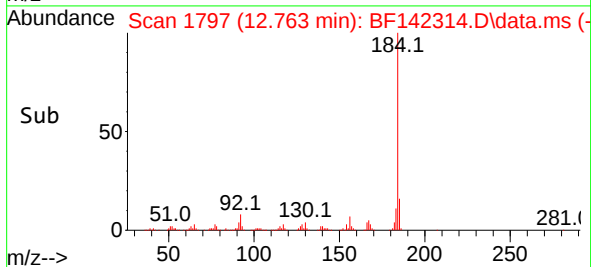
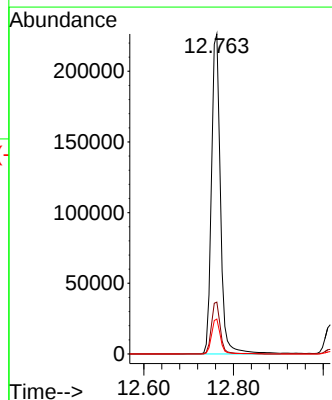
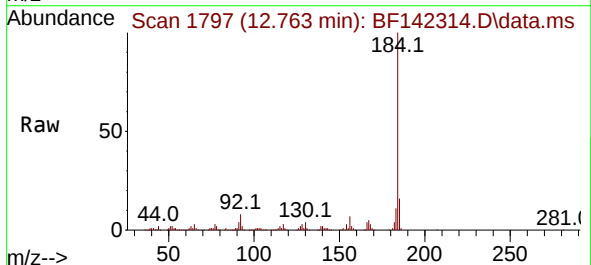
Instrument :
BNA_F
ClientSampleId :
COMP-8

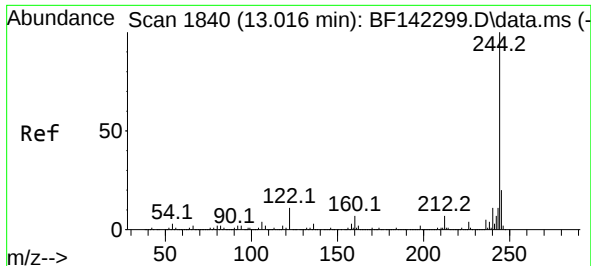
Tgt Ion:240 Resp: 437033
Ion Ratio Lower Upper
240 100
120 11.9 9.7 14.5
236 25.3 20.0 30.0



#77
Benzidine
Concen: 39.664 ng
RT: 12.763 min Scan# 1797
Delta R.T. -0.006 min
Lab File: BF142314.D
Acq: 12 May 2025 12:20

Tgt Ion:184 Resp: 315017
Ion Ratio Lower Upper
184 100
185 16.2 12.6 18.8
183 10.9 8.6 12.8

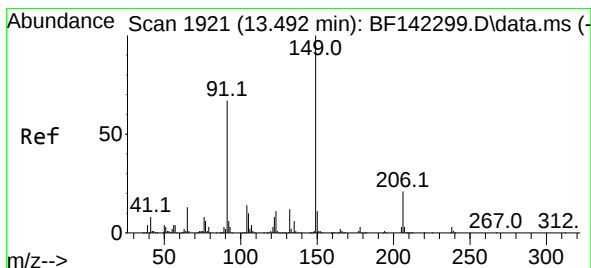
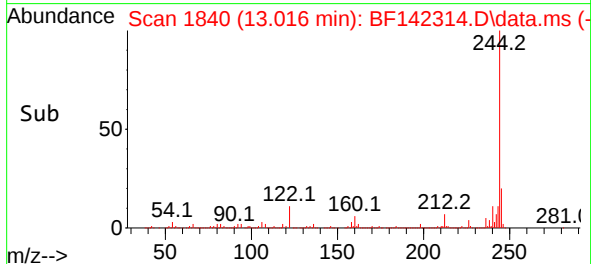
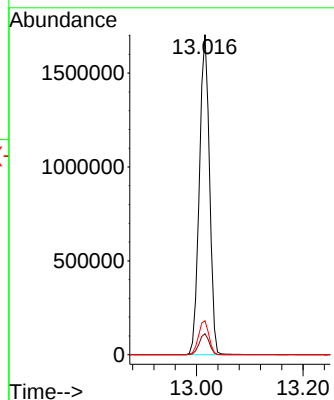
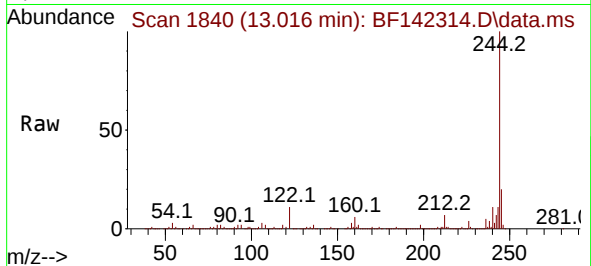




#79
 Terphenyl-d14
 Concen: 76.350 ng
 RT: 13.016 min Scan# 1840
 Delta R.T. 0.000 min
 Lab File: BF142314.D
 Acq: 12 May 2025 12:20

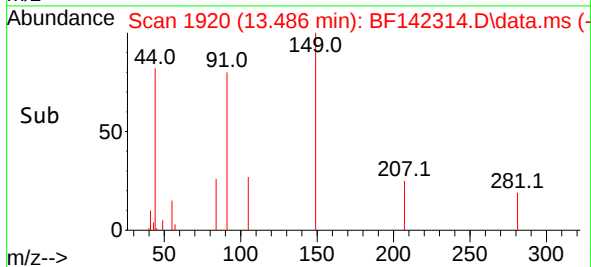
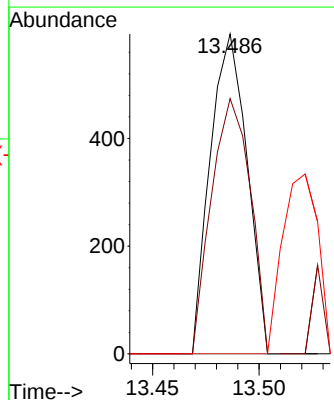
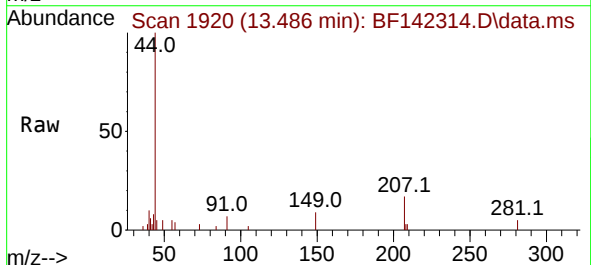
Instrument :
 BNA_F
 ClientSampleId :
 COMP-8

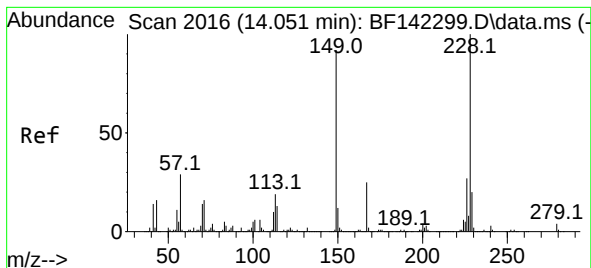
Tgt Ion:244 Resp: 2254394
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.2
 122 10.6 9.0 13.4



#80
 Butylbenzylphthalate
 Concen: 3.717 ng
 RT: 13.486 min Scan# 1920
 Delta R.T. -0.006 min
 Lab File: BF142314.D
 Acq: 12 May 2025 12:20

Tgt Ion:149 Resp: 714
 Ion Ratio Lower Upper
 149 100
 91 79.8 53.8 80.6
 206 0.0 16.6 24.8#

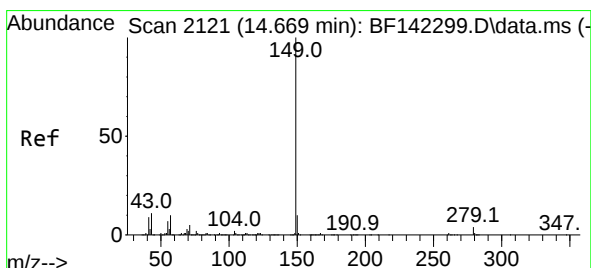
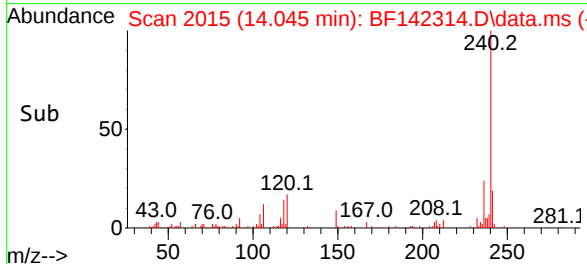
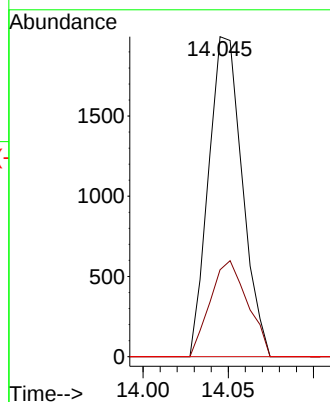
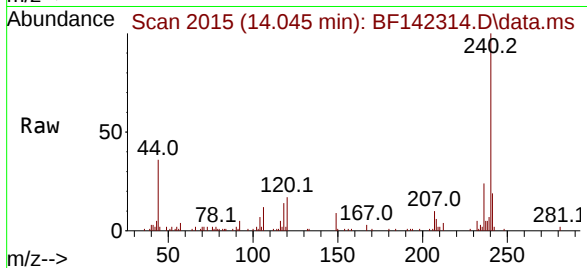




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.406 ng
 RT: 14.045 min Scan# 2016
 Delta R.T. -0.006 min
 Lab File: BF142314.D
 Acq: 12 May 2025 12:20

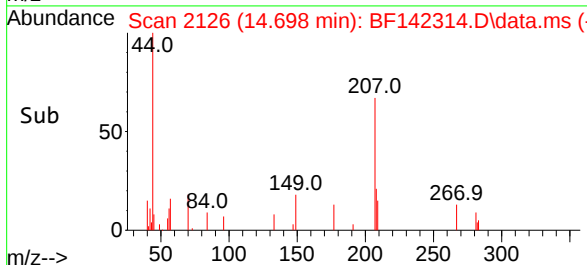
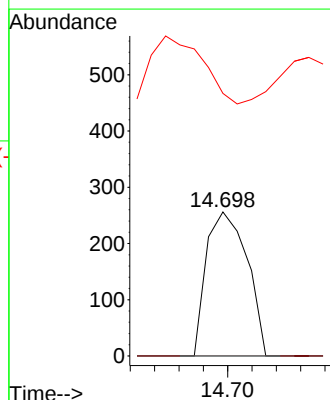
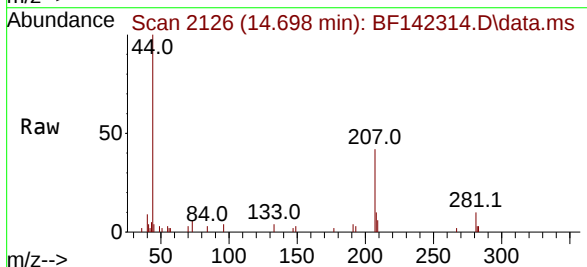
Instrument :
 BNA_F
 ClientSampleId :
 COMP-8

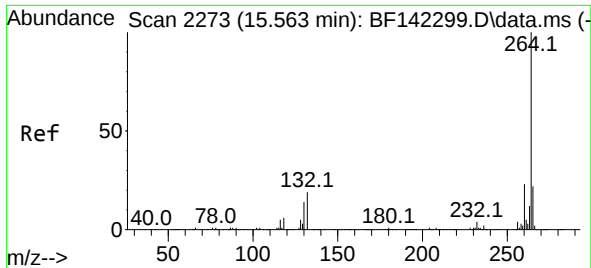
Tgt Ion:149 Resp: 2744
 Ion Ratio Lower Upper
 149 100
 167 27.2 22.0 33.0
 279 0.0 3.0 4.6#



#85
 Di-n-octyl phthalate
 Concen: 7.849 ng
 RT: 14.698 min Scan# 2126
 Delta R.T. 0.029 min
 Lab File: BF142314.D
 Acq: 12 May 2025 12:20

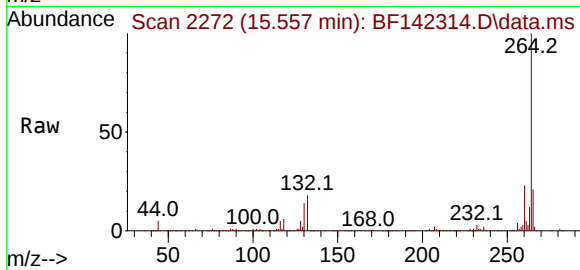
Tgt Ion:149 Resp: 297
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.1 1.7#
 43 0.0 9.2 13.8#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF142314.D
 Acq: 12 May 2025 12:20

Instrument :
 BNA_F
 ClientSampleId :
 COMP-8



Tgt Ion:264 Resp: 344368
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.6 27.8
 265 21.5 17.5 26.3

