

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022825\
 Data File : BF141808.D
 Acq On : 28 Feb 2025 14:21
 Operator : RC/JU
 Sample : Q1451-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ208

Quant Time: Feb 28 15:31:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

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

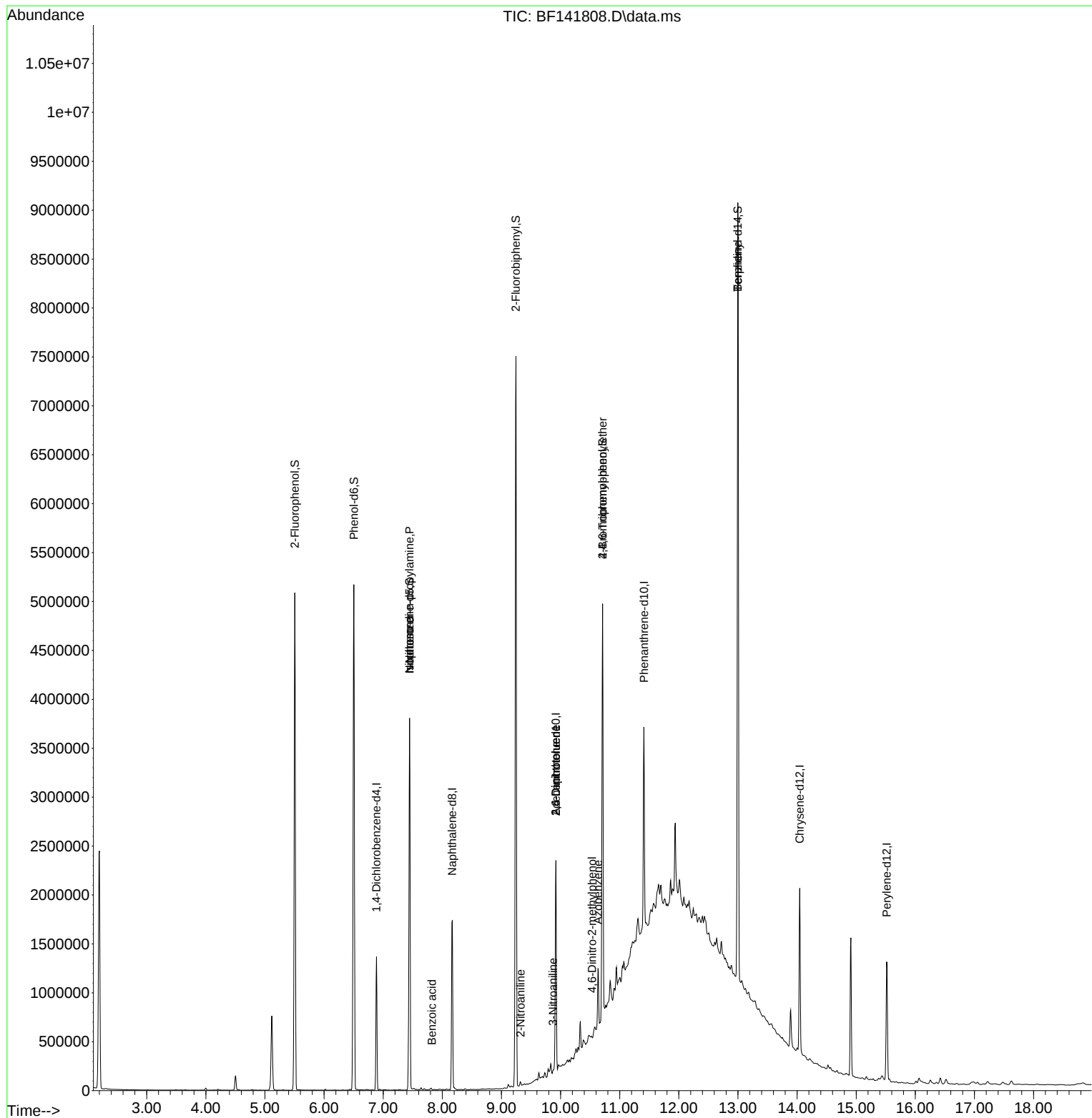
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	276680	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	1092386	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	609782	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	1024358	20.000	ng	0.00
76) Chrysene-d12	14.045	240	774028	20.000	ng	0.00
86) Perylene-d12	15.515	264	695200	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1960845	113.179	ng	0.00
7) Phenol-d6	6.504	99	2640490	117.094	ng	0.00
23) Nitrobenzene-d5	7.445	82	1754738	102.677	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	729576	127.443	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	3367701	88.555	ng	0.00
79) Terphenyl-d14	12.998	244	4069479	85.063	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	245796	16.581	ng	# 80
25) Isophorone	7.445	82	1748151	47.614	ng	# 66
32) Benzoic acid	7.822	122	121	7.700	ng	# 84
48) 2-Nitroaniline	9.322	65	195	4.358	ng	# 95
51) 2,6-Dinitrotoluene	9.922	165	82984	12.825	ng	# 21
53) 3-Nitroaniline	9.875	138	1604	3.148	ng	# 16
57) 2,4-Dinitrotoluene	9.922	165	82984	11.583	ng	# 20
63) Azobenzene	10.633	77	161692	3.751	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.533	198	190	8.159	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	49655	4.150	ng	# 1
77) Benzidine	12.998	184	57298	5.881	ng	# 90

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

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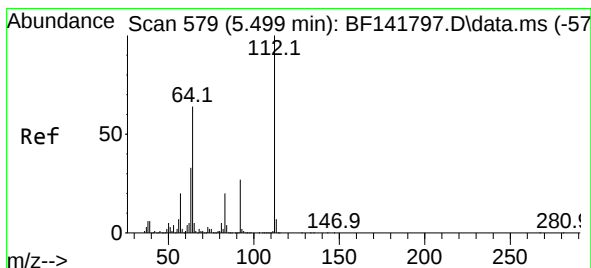
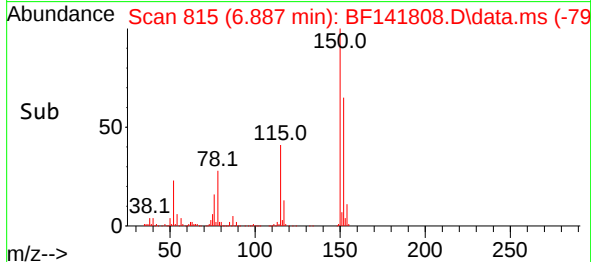
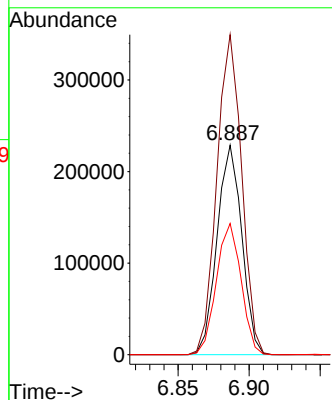
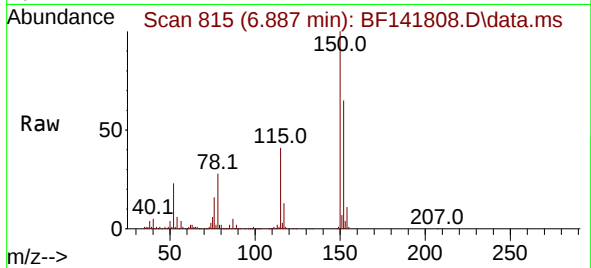




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141808.D
Acq: 28 Feb 2025 14:21

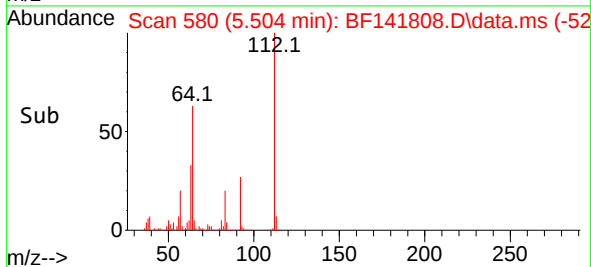
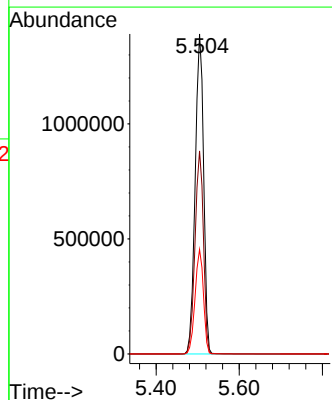
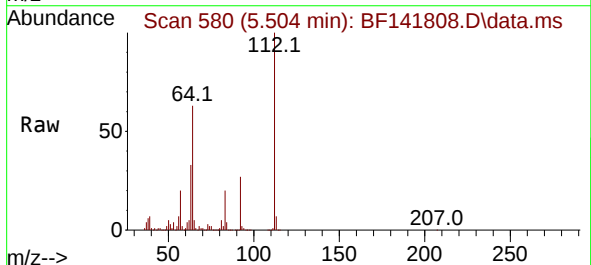
Instrument :
BNA_F
ClientSampleId :
VNJ208

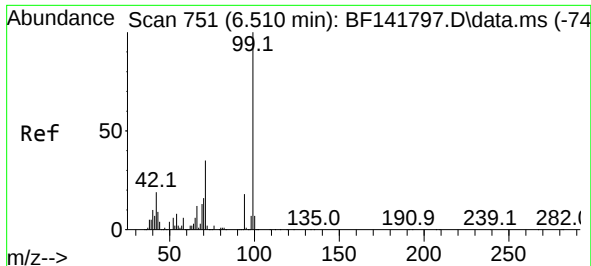
Tgt Ion:152 Resp: 276680
Ion Ratio Lower Upper
152 100
150 152.8 127.5 191.3
115 62.6 51.4 77.2



#5
2-Fluorophenol
Concen: 113.179 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF141808.D
Acq: 28 Feb 2025 14:21

Tgt Ion:112 Resp: 1960845
Ion Ratio Lower Upper
112 100
64 63.4 51.3 76.9
63 32.7 26.2 39.4

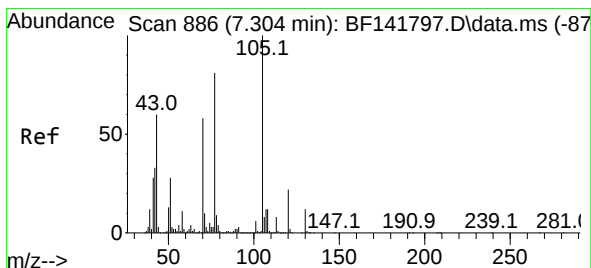
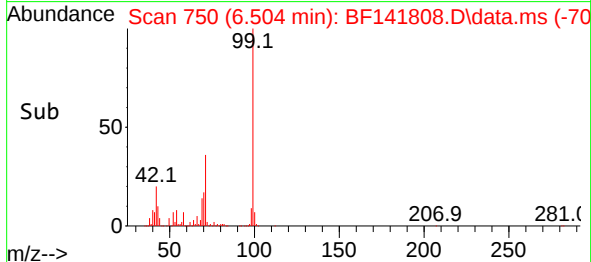
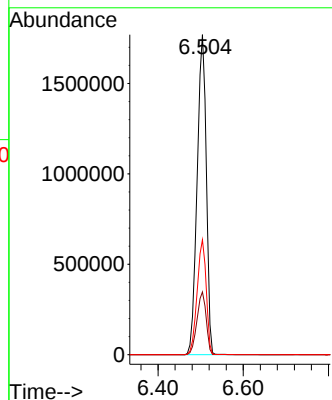
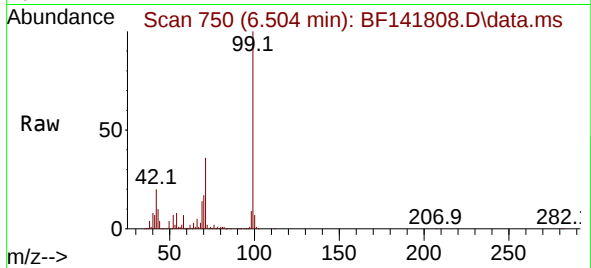




#7
Phenol-d6
Concen: 117.094 ng
RT: 6.504 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF141808.D
Acq: 28 Feb 2025 14:21

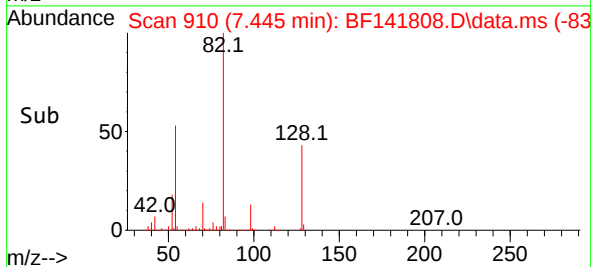
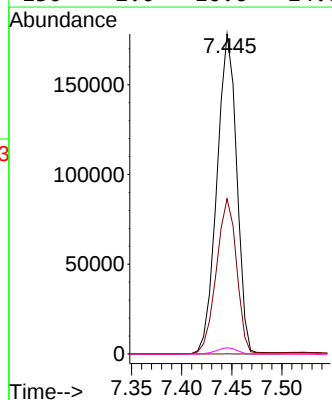
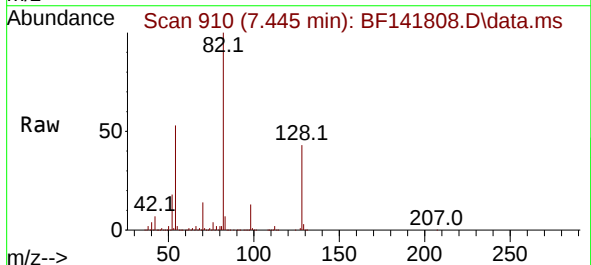
Instrument :
BNA_F
ClientSampleId :
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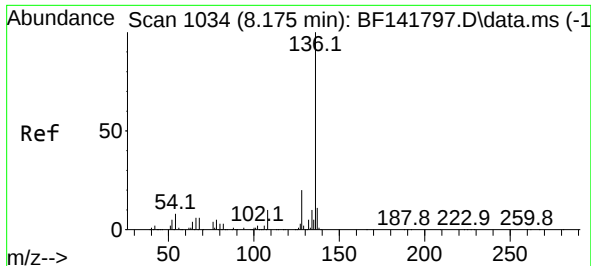
Tgt Ion: 99 Resp: 2640490
Ion Ratio Lower Upper
99 100
42 19.6 15.2 22.8
71 35.9 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 16.581 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF141808.D
Acq: 28 Feb 2025 14:21

Tgt Ion: 70 Resp: 245796
Ion Ratio Lower Upper
70 100
42 48.5 45.4 68.0
101 0.1 7.8 11.8#
130 2.0 16.6 24.8#

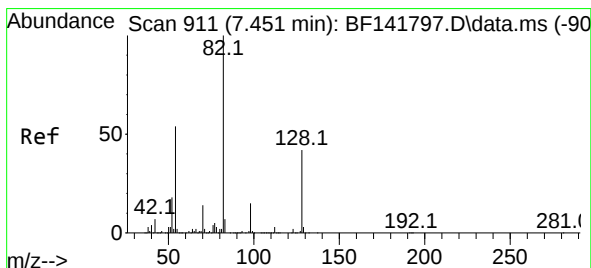
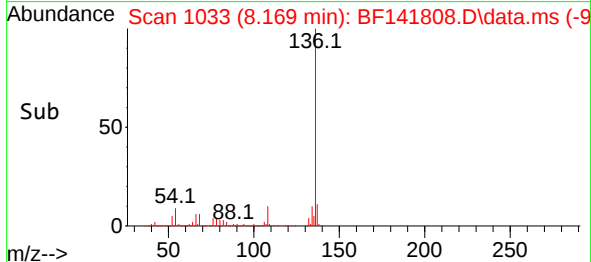
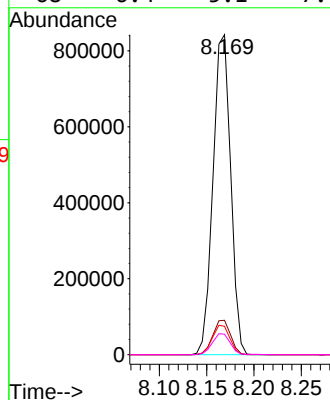
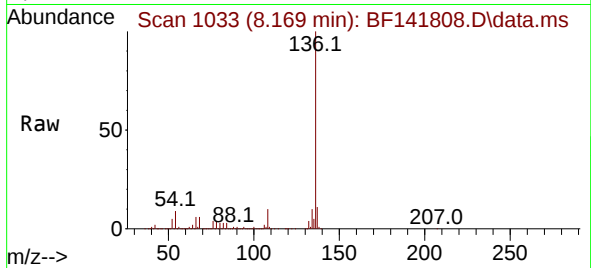




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF141808.D
Acq: 28 Feb 2025 14:21

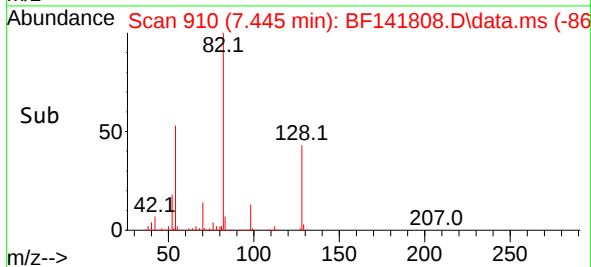
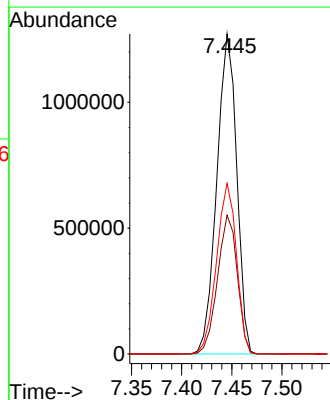
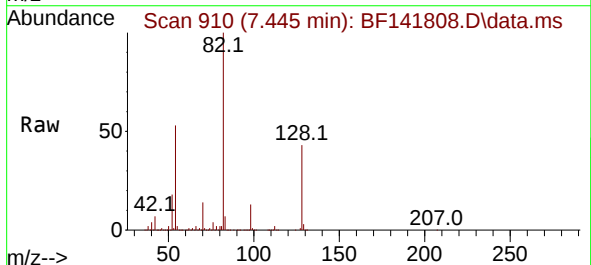
Instrument :
BNA_F
ClientSampleId :
VNJ208

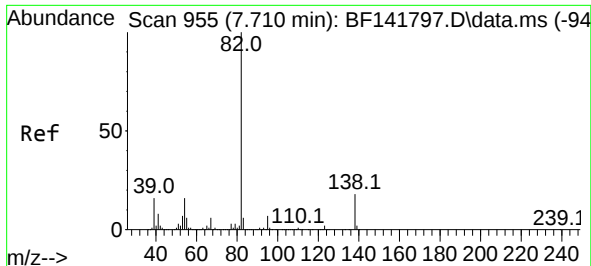
Tgt Ion:136 Resp: 1092386
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 8.8 6.9 10.3
68 6.4 5.1 7.7



#23
Nitrobenzene-d5
Concen: 102.677 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF141808.D
Acq: 28 Feb 2025 14:21

Tgt Ion: 82 Resp: 1754738
Ion Ratio Lower Upper
82 100
128 43.4 33.5 50.3
54 53.3 42.7 64.1

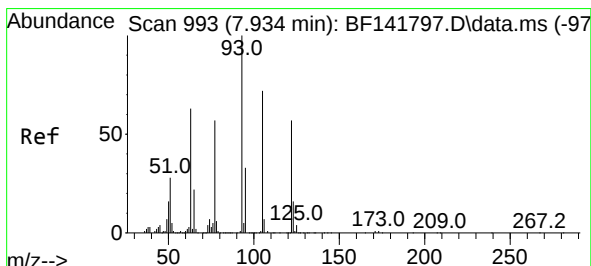
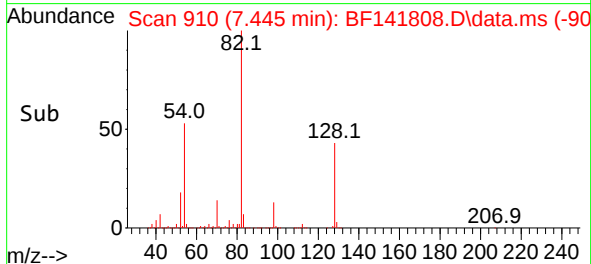
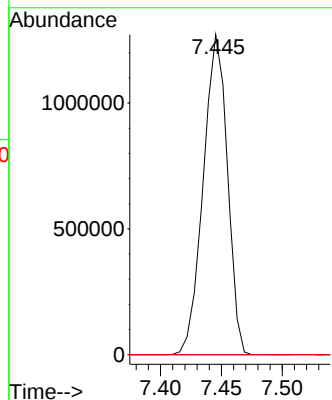
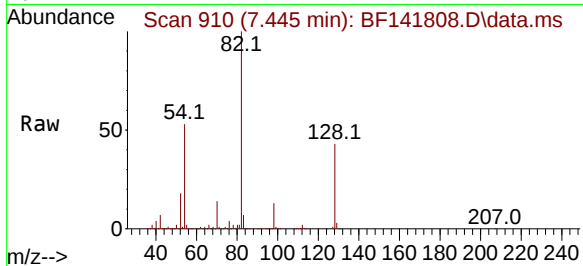




#25
Isophorone
Concen: 47.614 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.265 min
Lab File: BF141808.D
Acq: 28 Feb 2025 14:21

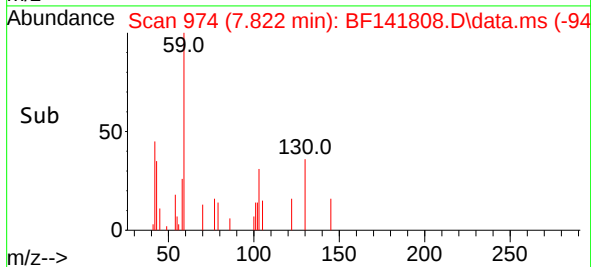
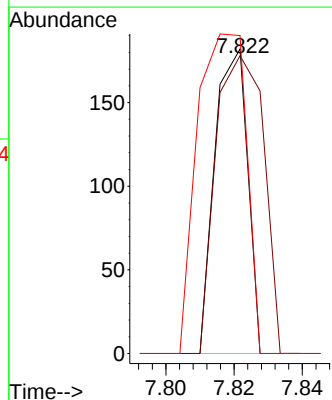
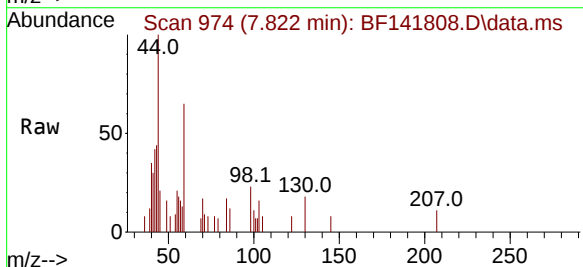
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BNA_F
ClientSampleId :
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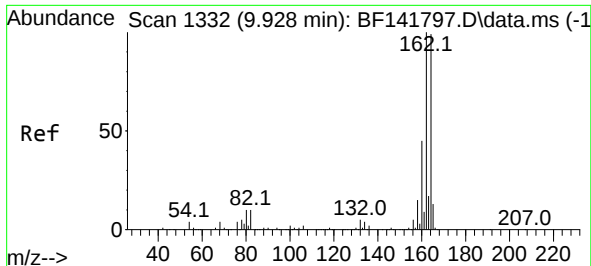
Tgt Ion: 82 Resp: 1748151
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.0 21.0#



#32
Benzoic acid
Concen: 7.700 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.112 min
Lab File: BF141808.D
Acq: 28 Feb 2025 14:21

Tgt Ion:122 Resp: 121
Ion Ratio Lower Upper
122 100
105 97.8 105.8 145.8#
77 104.4 79.9 119.9

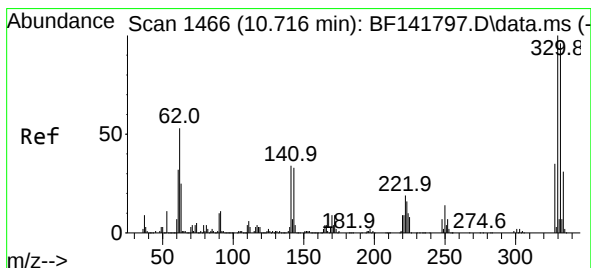
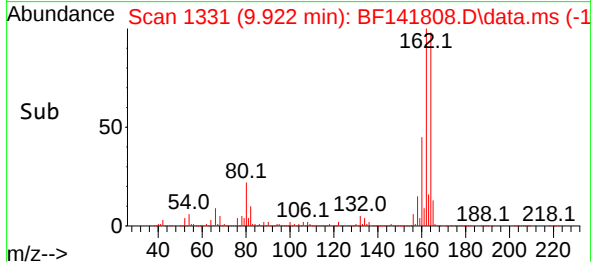
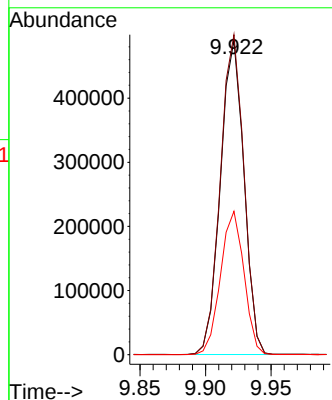
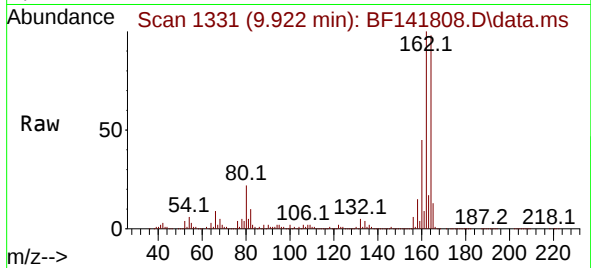




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF141808.D
Acq: 28 Feb 2025 14:21

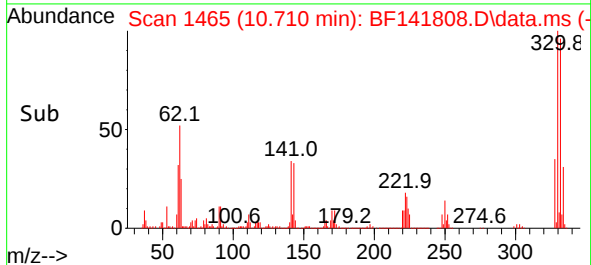
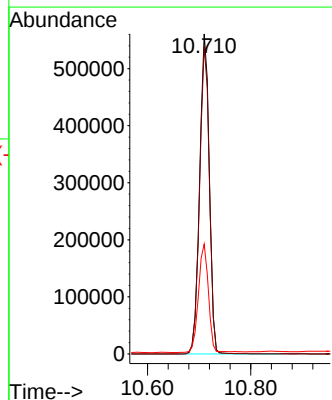
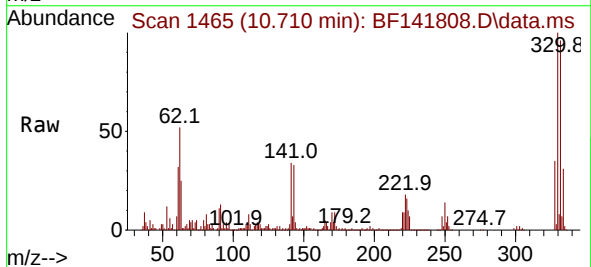
Instrument :
BNA_F
ClientSampleId :
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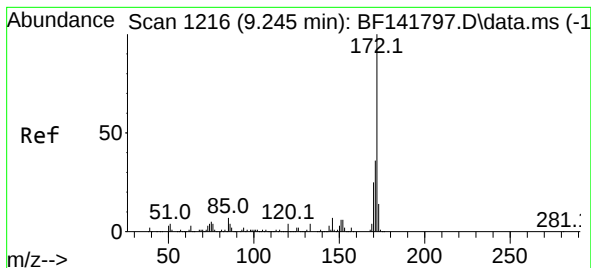
Tgt Ion:164 Resp: 609782
Ion Ratio Lower Upper
164 100
162 101.9 80.6 120.8
160 45.6 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 127.443 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF141808.D
Acq: 28 Feb 2025 14:21

Tgt Ion:330 Resp: 729576
Ion Ratio Lower Upper
330 100
332 96.5 76.6 115.0
141 34.7 29.0 43.4





#45

2-Fluorobiphenyl

Concen: 88.555 ng

RT: 9.245 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF141808.D

Acq: 28 Feb 2025 14:21

Instrument :

BNA_F

ClientSampleId :

VNJ208

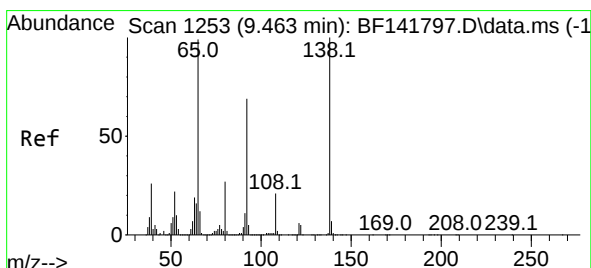
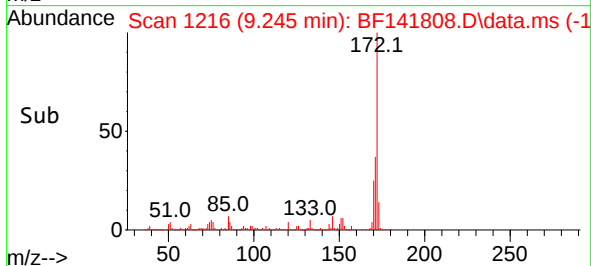
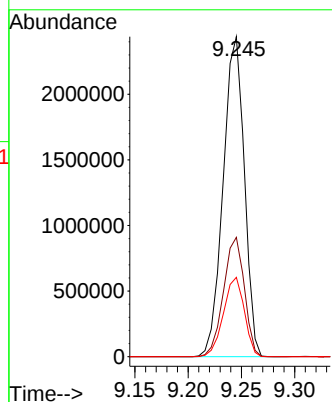
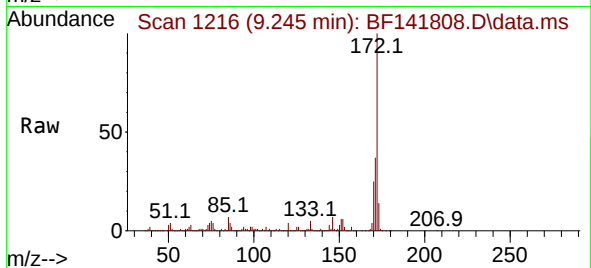
Tgt Ion:172 Resp: 3367701

Ion Ratio Lower Upper

172 100

171 37.3 29.2 43.8

170 24.8 19.7 29.5



#48

2-Nitroaniline

Concen: 4.358 ng

RT: 9.322 min Scan# 1229

Delta R.T. -0.141 min

Lab File: BF141808.D

Acq: 28 Feb 2025 14:21

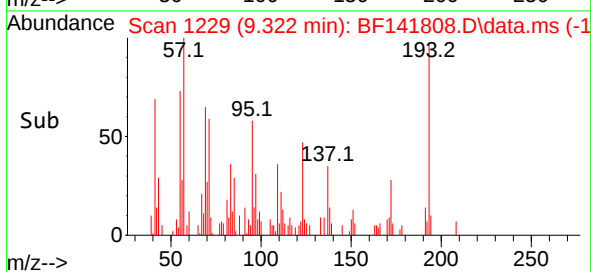
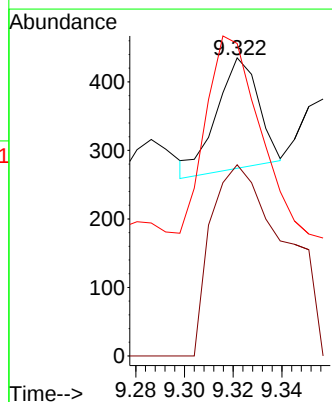
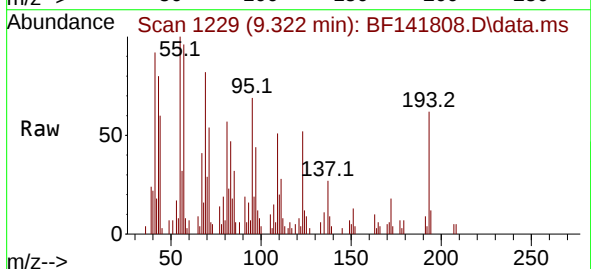
Tgt Ion: 65 Resp: 195

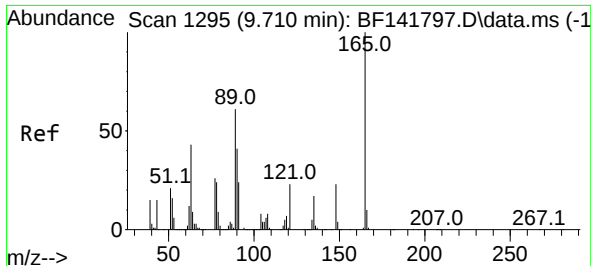
Ion Ratio Lower Upper

65 100

92 64.1 55.7 83.5

138 104.8 80.6 121.0

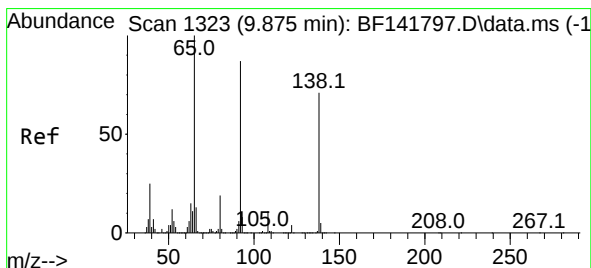
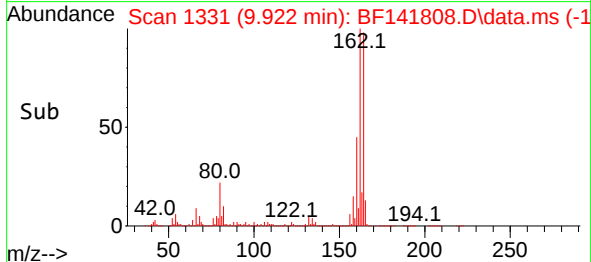
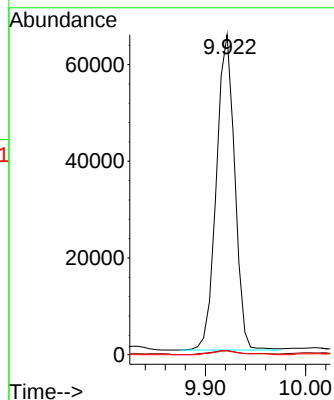
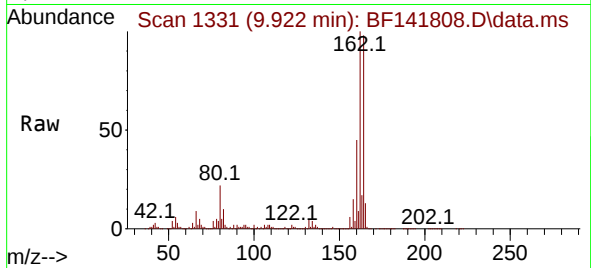




#51
2,6-Dinitrotoluene
Concen: 12.825 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF141808.D
Acq: 28 Feb 2025 14:21

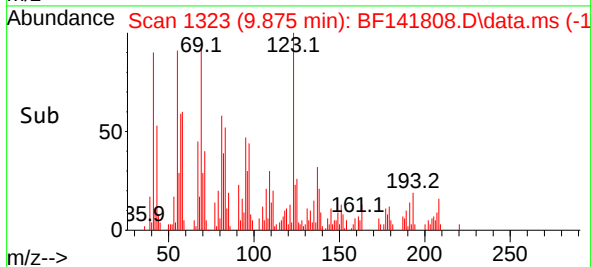
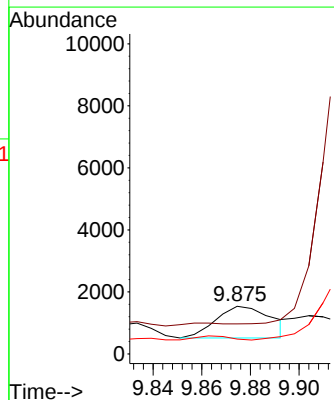
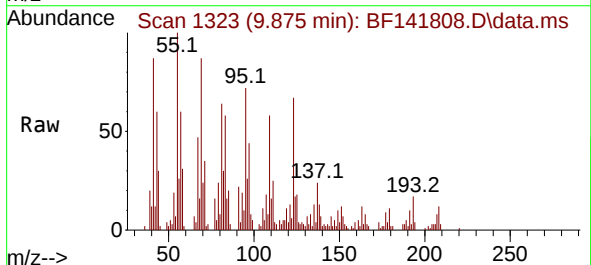
Instrument :
BNA_F
ClientSampleId :
VNJ208

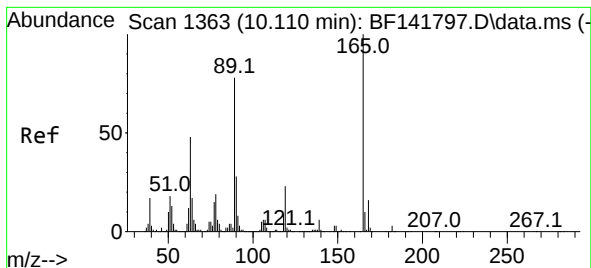
Tgt Ion:165 Resp: 82984
Ion Ratio Lower Upper
165 100
63 1.3 49.5 74.3#
89 1.2 49.0 73.4#



#53
3-Nitroaniline
Concen: 3.148 ng
RT: 9.875 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BF141808.D
Acq: 28 Feb 2025 14:21

Tgt Ion:138 Resp: 1604
Ion Ratio Lower Upper
138 100
108 63.0 12.7 19.1#
92 31.3 97.9 146.9#

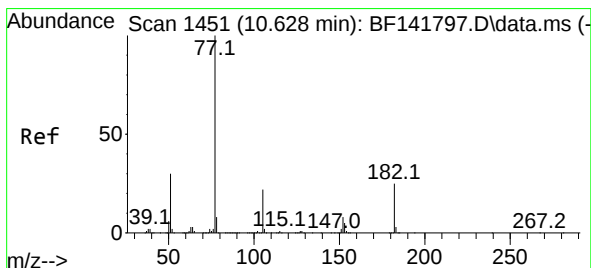
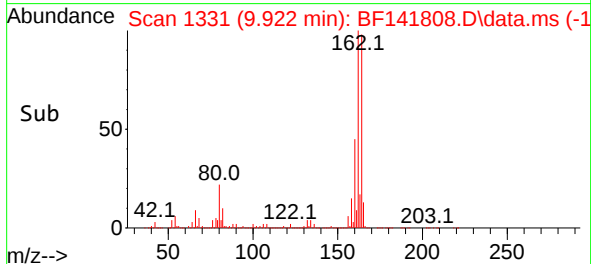
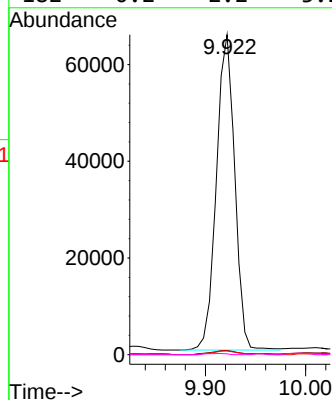
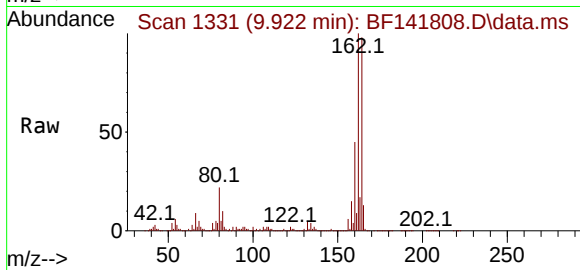




#57
2,4-Dinitrotoluene
Concen: 11.583 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF141808.D
Acq: 28 Feb 2025 14:21

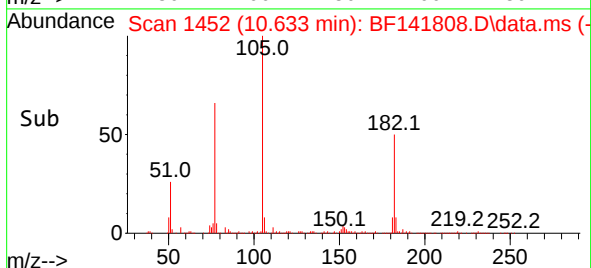
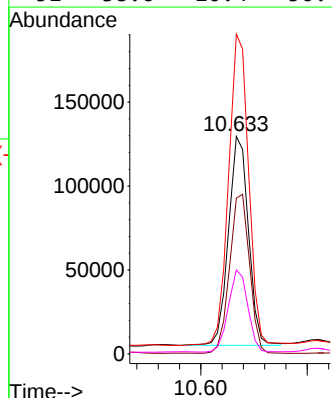
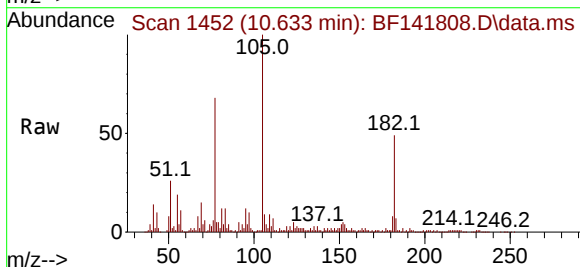
Instrument :
BNA_F
ClientSampleId :
VNJ208

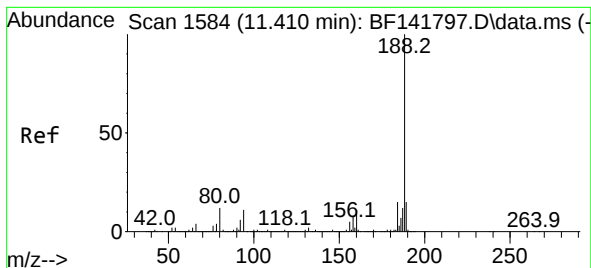
Tgt Ion:165 Resp: 82984
Ion Ratio Lower Upper
165 100
63 1.3 38.8 58.2#
89 1.2 62.6 94.0#
182 0.2 2.2 3.2#



#63
Azobenzene
Concen: 3.751 ng
RT: 10.633 min Scan# 1452
Delta R.T. 0.006 min
Lab File: BF141808.D
Acq: 28 Feb 2025 14:21

Tgt Ion: 77 Resp: 161692
Ion Ratio Lower Upper
77 100
182 71.6 4.2 44.2#
105 147.0 1.5 41.5#
51 38.6 10.4 50.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF141808.D

Acq: 28 Feb 2025 14:21

Instrument :

BNA_F

ClientSampleId :

VNJ208

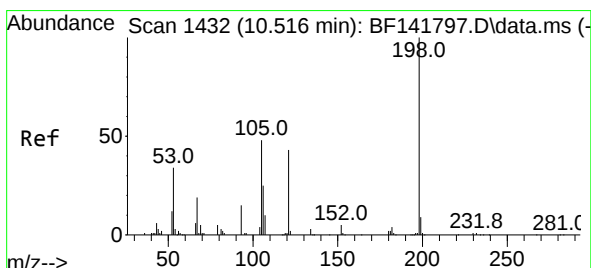
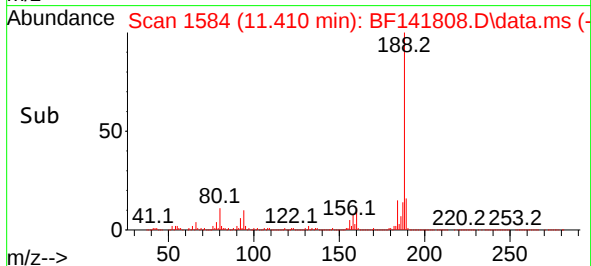
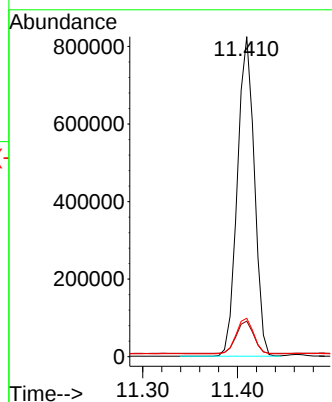
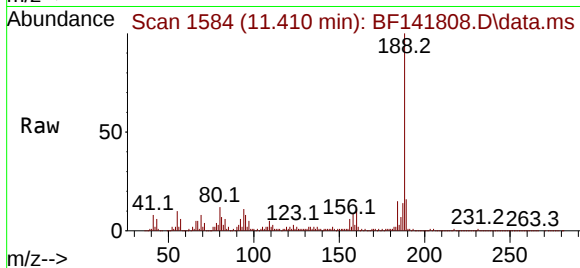
Tgt Ion:188 Resp: 1024358

Ion Ratio Lower Upper

188 100

94 11.1 8.9 13.3

80 12.0 9.7 14.5



#65

4,6-Dinitro-2-methylphenol

Concen: 8.159 ng

RT: 10.533 min Scan# 1435

Delta R.T. 0.017 min

Lab File: BF141808.D

Acq: 28 Feb 2025 14:21

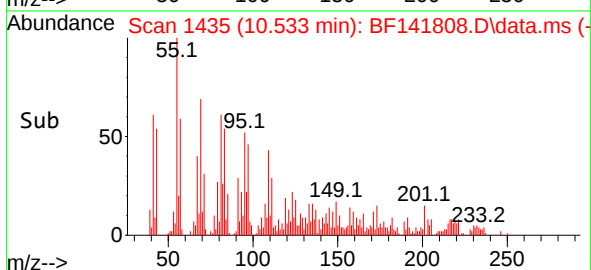
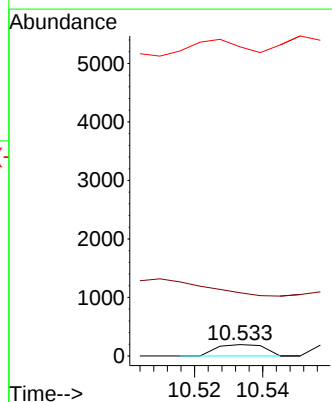
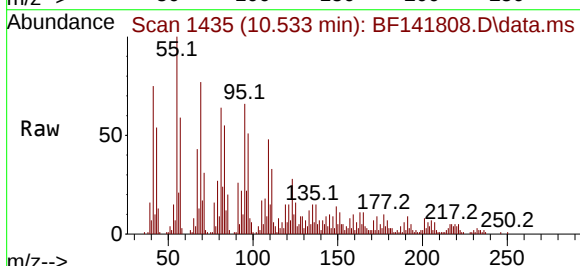
Tgt Ion:198 Resp: 190

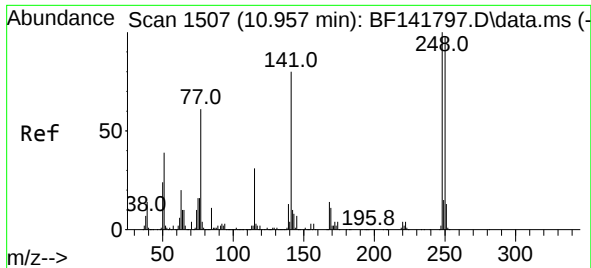
Ion Ratio Lower Upper

198 100

51 557.2 32.1 72.1#

105 2723.2 28.5 68.5#

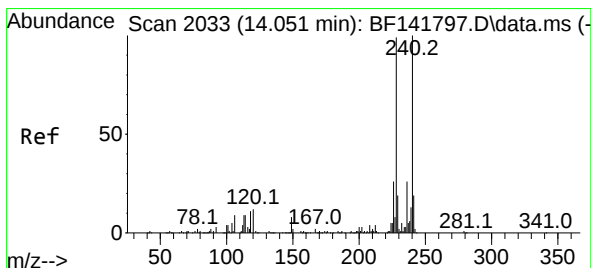
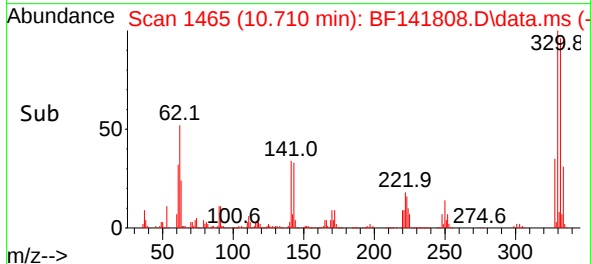
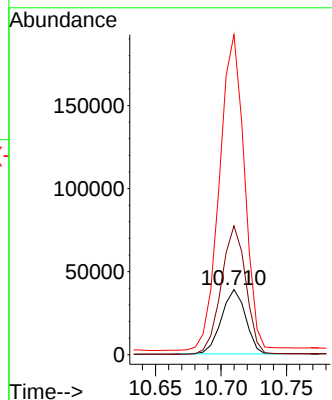
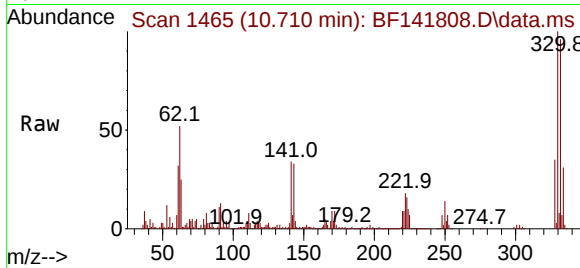




#67
4-Bromophenyl-phenylether
Concen: 4.150 ng
RT: 10.710 min Scan# 141
Delta R.T. -0.247 min
Lab File: BF141808.D
Acq: 28 Feb 2025 14:21

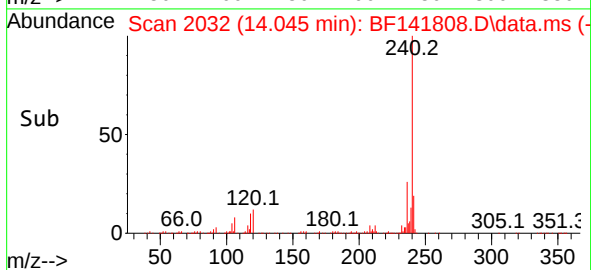
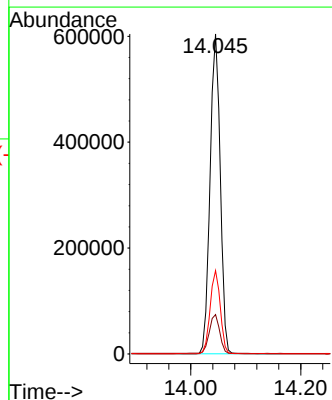
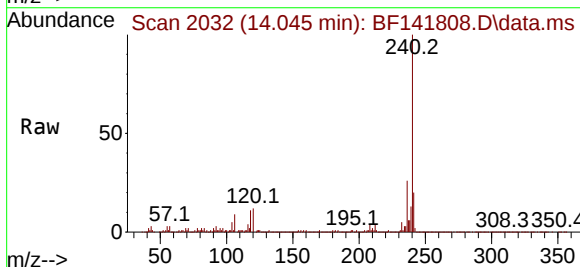
Instrument :
BNA_F
ClientSampleId :
VNJ208

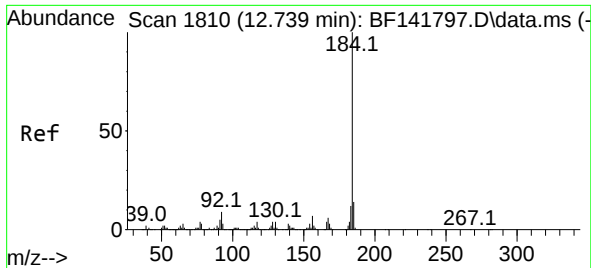
Tgt Ion:248 Resp: 49655
Ion Ratio Lower Upper
248 100
250 197.8 78.1 117.1#
141 491.3 64.3 96.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF141808.D
Acq: 28 Feb 2025 14:21

Tgt Ion:240 Resp: 774028
Ion Ratio Lower Upper
240 100
120 12.3 9.7 14.5
236 26.0 21.0 31.4

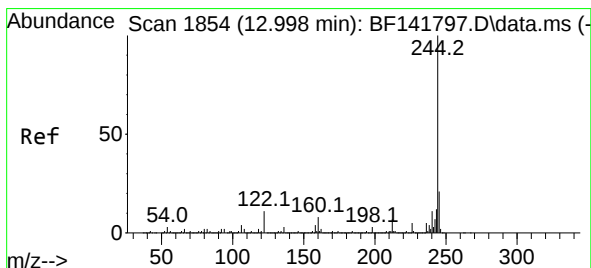
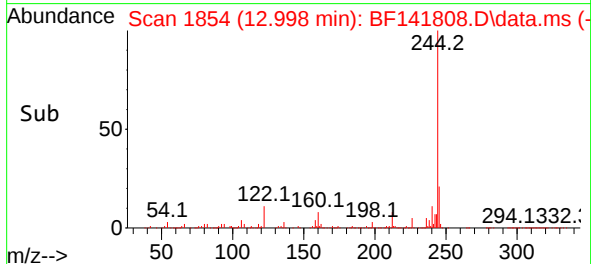
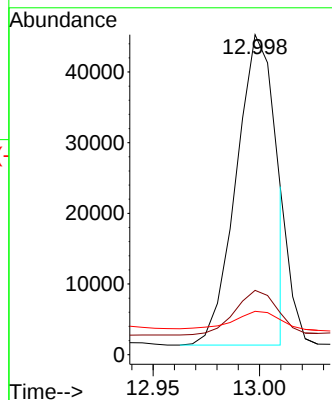
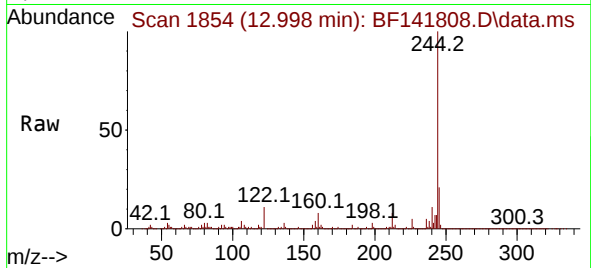




#77
Benzidine
Concen: 5.881 ng
RT: 12.998 min Scan# 1854
Delta R.T. 0.259 min
Lab File: BF141808.D
Acq: 28 Feb 2025 14:21

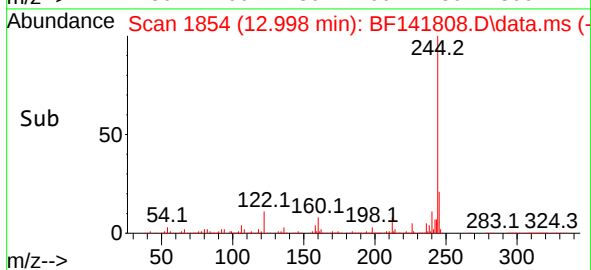
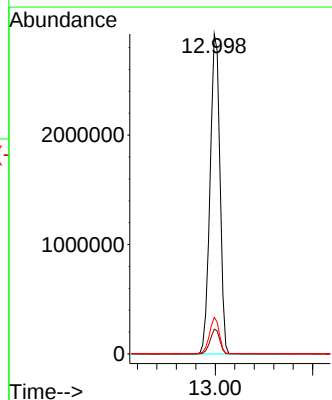
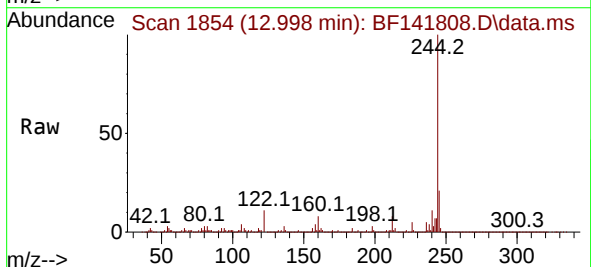
Instrument :
BNA_F
ClientSampleId :
VNJ208

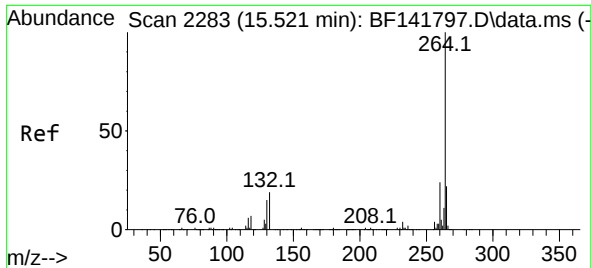
Tgt Ion:184 Resp: 57298
Ion Ratio Lower Upper
184 100
185 20.1 11.6 17.4#
183 13.5 9.4 14.0



#79
Terphenyl-d14
Concen: 85.063 ng
RT: 12.998 min Scan# 1854
Delta R.T. -0.000 min
Lab File: BF141808.D
Acq: 28 Feb 2025 14:21

Tgt Ion:244 Resp: 4069479
Ion Ratio Lower Upper
244 100
212 7.8 6.0 9.0
122 11.5 9.0 13.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.515 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF141808.D
 Acq: 28 Feb 2025 14:21

Instrument :
 BNA_F
 ClientSampleId :
 VNJ208

Tgt Ion:264 Resp: 695200
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.9 28.3
 265 21.4 17.4 26.0

