

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051325\
 Data File : BF142343.D
 Acq On : 13 May 2025 14:13
 Operator : RC/JU
 Sample : Q1986-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-218

Quant Time: May 13 14:35:58 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)

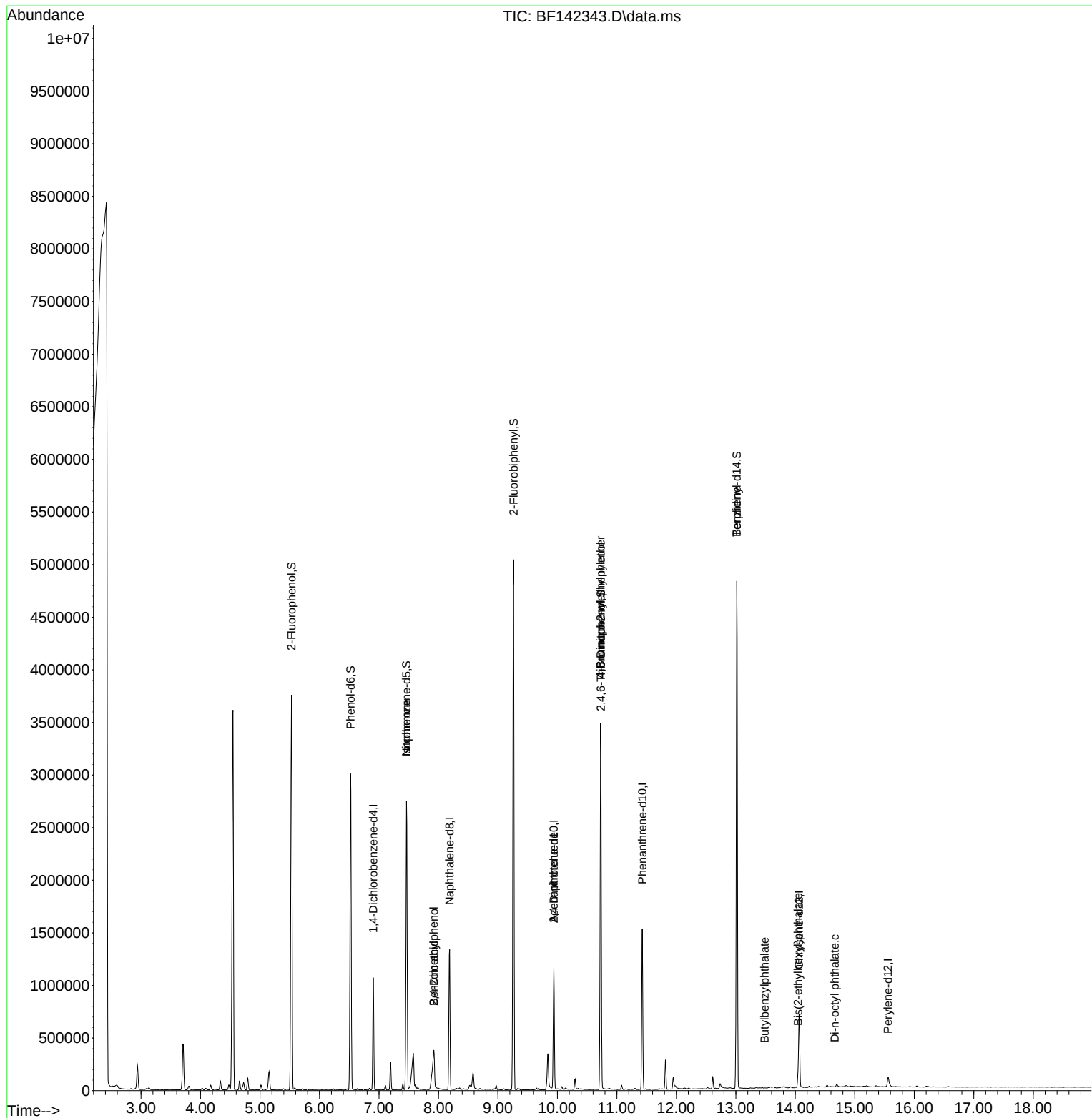
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	221528	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	850162	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	290919	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	738088	20.000	ng	0.00
76) Chrysene-d12	14.063	240	269027	20.000	ng	0.00
86) Perylene-d12	15.557	264	22485	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1520034	117.133	ng	0.02
7) Phenol-d6	6.522	99	1298354	81.347	ng	0.00
23) Nitrobenzene-d5	7.463	82	1194643	85.699	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	684527	243.711	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2354360	115.394	ng	0.00
79) Terphenyl-d14	13.016	244	2294195	126.220	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.463	82	1181656	44.764	ng	# 62
27) 2,4-Dimethylphenol	7.922	122	195314	14.716	ng	# 7
32) Benzoic acid	7.922	122	195314	31.489	ng	100
57) 2,4-Dinitrotoluene	9.939	165	36835	8.212	ng	# 26
65) 4,6-Dinitro-2-methylph...	10.727	198	1463	7.547	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	40724	4.868	ng	# 1
77) Benzidine	13.016	184	29146	5.962	ng	97
80) Butylbenzylphthalate	13.486	149	490	3.724	ng	# 32
84) Bis(2-ethylhexyl)phtha...	14.045	149	55212	9.768	ng	99
85) Di-n-octyl phthalate	14.663	149	91	7.844	ng	# 73

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

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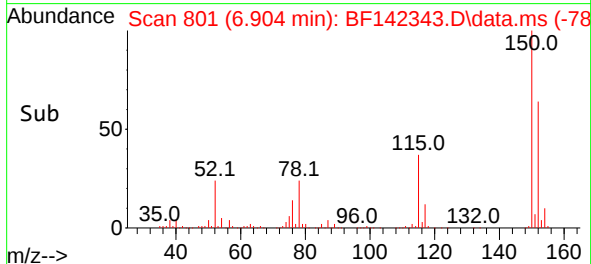
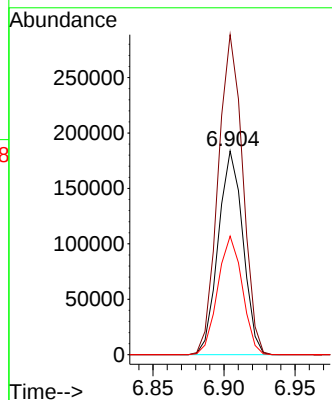
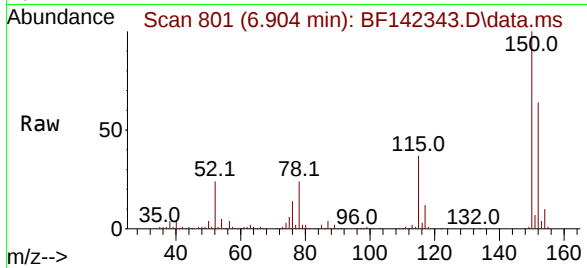




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142343.D
Acq: 13 May 2025 14:13

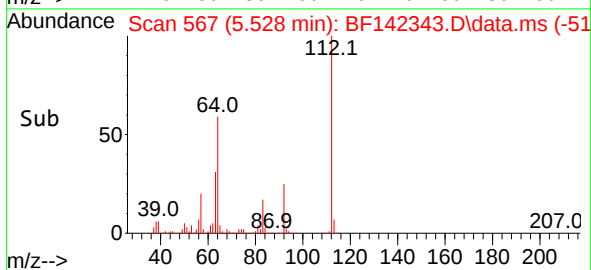
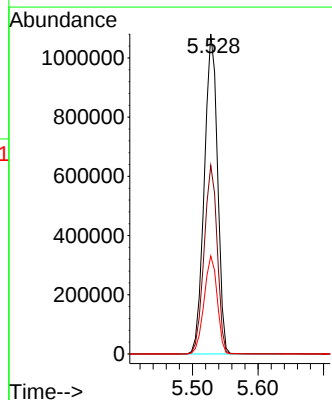
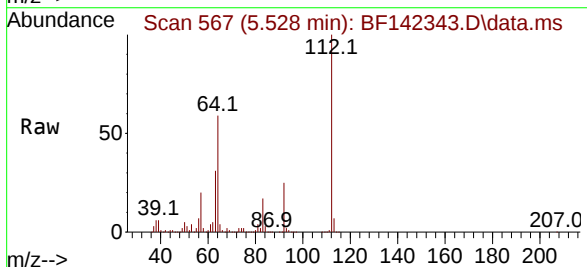
Instrument :
BNA_F
ClientSampleId :
VNJ-218

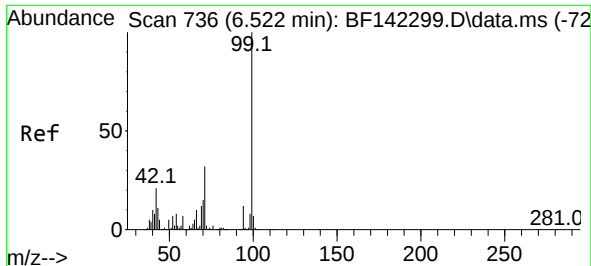
Tgt Ion:152 Resp: 221528
Ion Ratio Lower Upper
152 100
150 157.1 126.6 190.0
115 58.2 47.3 70.9



#5
2-Fluorophenol
Concen: 117.133 ng
RT: 5.528 min Scan# 567
Delta R.T. 0.018 min
Lab File: BF142343.D
Acq: 13 May 2025 14:13

Tgt Ion:112 Resp: 1520034
Ion Ratio Lower Upper
112 100
64 58.9 48.9 73.3
63 30.7 25.6 38.4

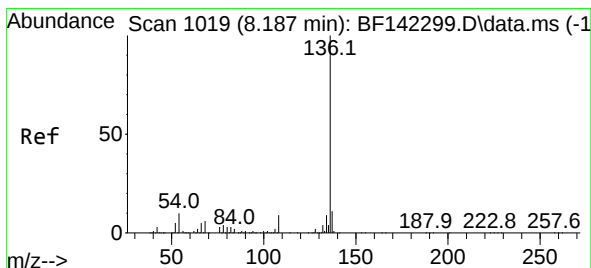
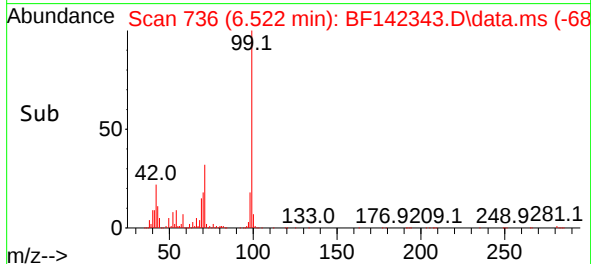
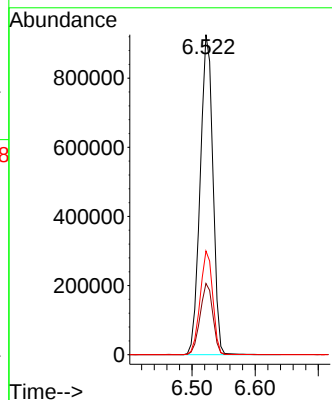
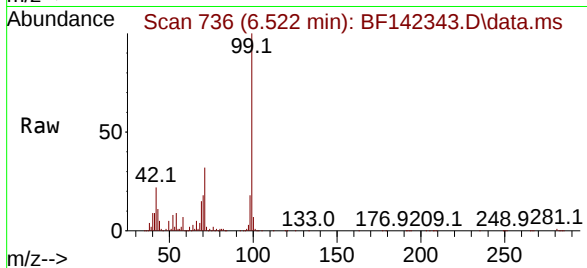




#7
Phenol-d6
Concen: 81.347 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF142343.D
Acq: 13 May 2025 14:13

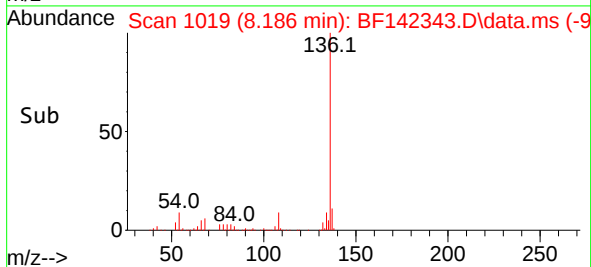
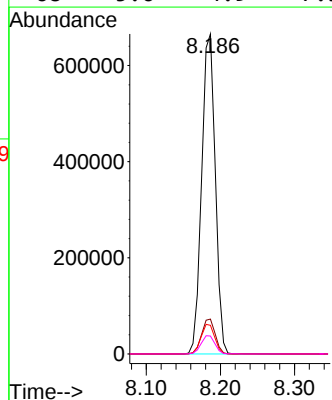
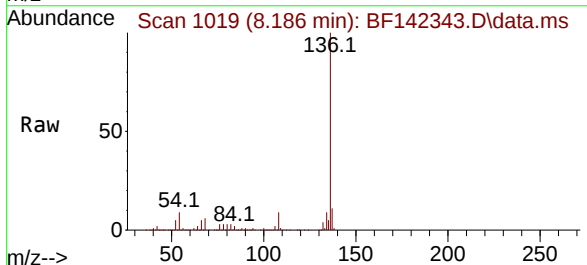
Instrument :
BNA_F
ClientSampleId :
VNJ-218

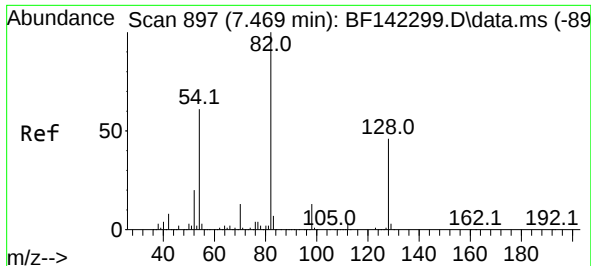
Tgt Ion: 99 Resp: 1298354
Ion Ratio Lower Upper
99 100
42 22.2 17.0 25.4
71 32.4 25.8 38.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF142343.D
Acq: 13 May 2025 14:13

Tgt Ion:136 Resp: 850162
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 9.0 7.7 11.5
68 5.6 4.9 7.3





#23

Nitrobenzene-d5

Concen: 85.699 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF142343.D

Acq: 13 May 2025 14:13

Instrument :

BNA_F

ClientSampleId :

VNJ-218

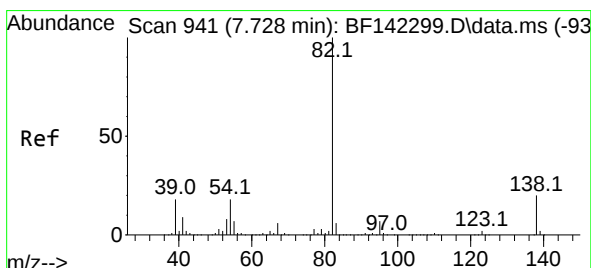
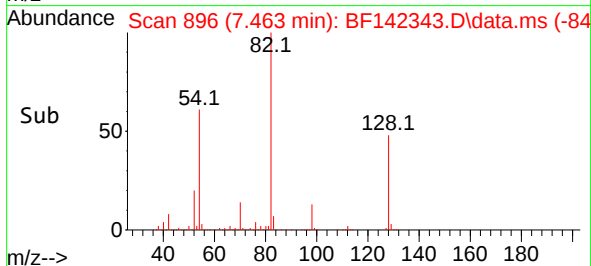
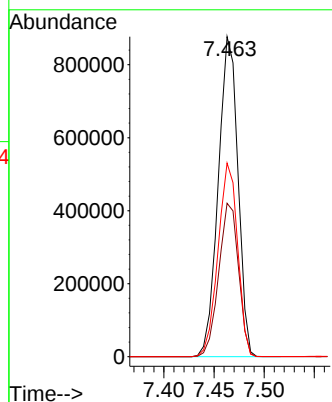
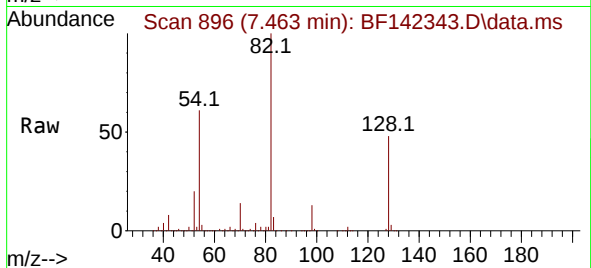
Tgt Ion: 82 Resp: 1194643

Ion Ratio Lower Upper

82 100

128 48.0 37.0 55.6

54 60.5 48.6 73.0



#25

Isophorone

Concen: 44.764 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.265 min

Lab File: BF142343.D

Acq: 13 May 2025 14:13

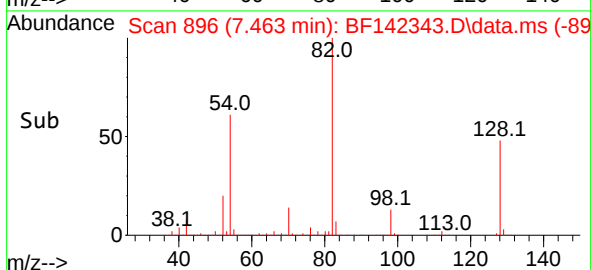
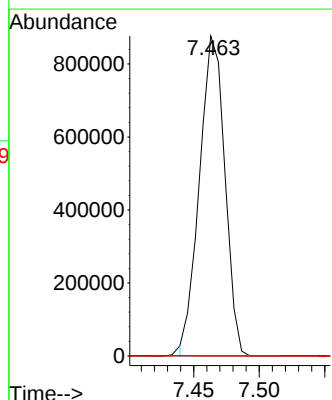
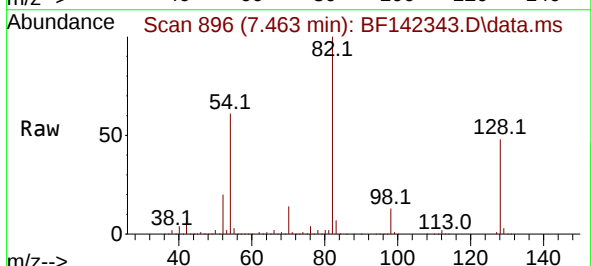
Tgt Ion: 82 Resp: 1181656

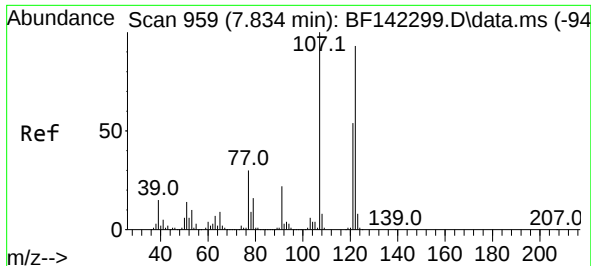
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 16.1 24.1#





#27

2,4-Dimethylphenol

Concen: 14.716 ng

RT: 7.922 min Scan# 91

Delta R.T. 0.088 min

Lab File: BF142343.D

Acq: 13 May 2025 14:13

Instrument :

BNA_F

ClientSampleId :

VNJ-218

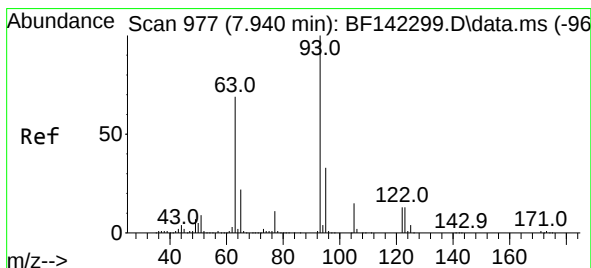
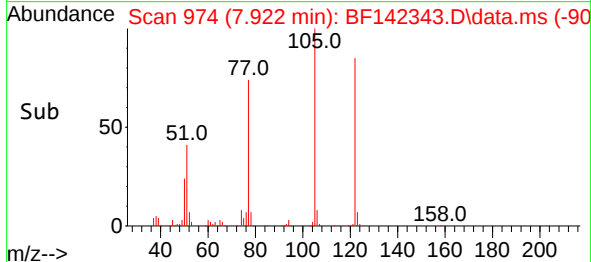
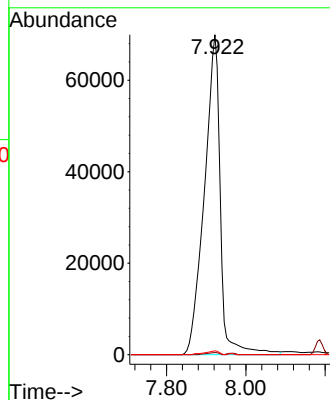
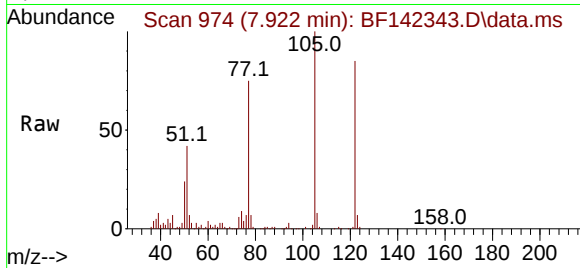
Tgt Ion:122 Resp: 195314

Ion Ratio Lower Upper

122 100

107 0.7 86.0 129.0#

121 1.2 46.2 69.4#



#32

Benzoic acid

Concen: 31.489 ng

RT: 7.922 min Scan# 974

Delta R.T. -0.018 min

Lab File: BF142343.D

Acq: 13 May 2025 14:13

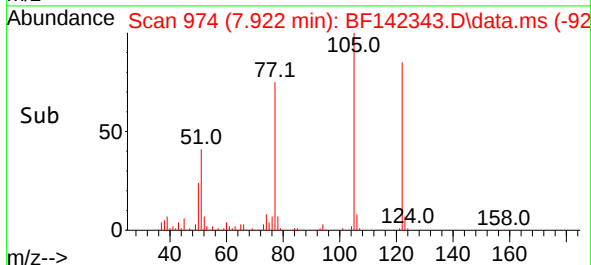
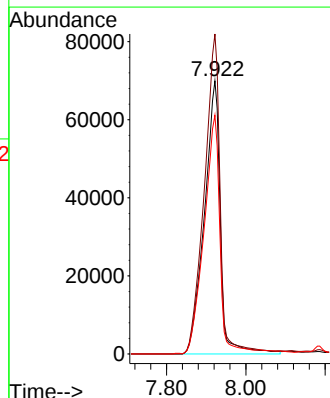
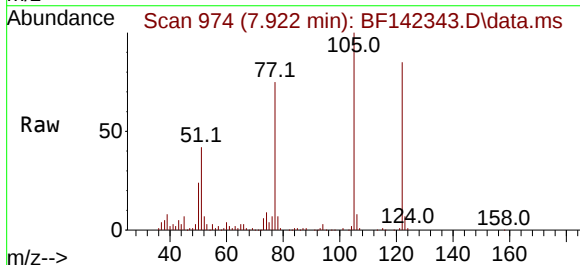
Tgt Ion:122 Resp: 195314

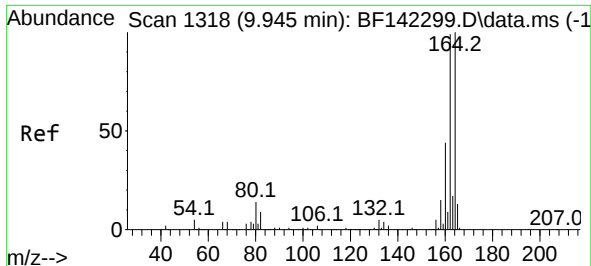
Ion Ratio Lower Upper

122 100

105 117.2 97.9 137.9

77 87.4 67.7 107.7

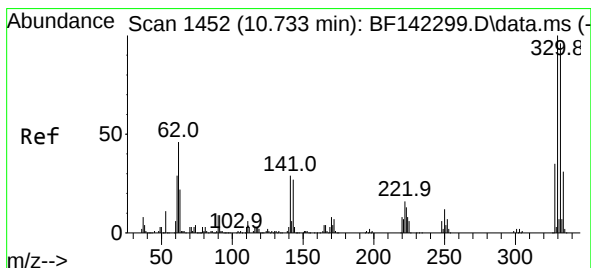
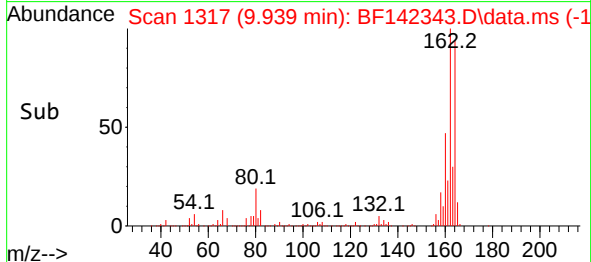
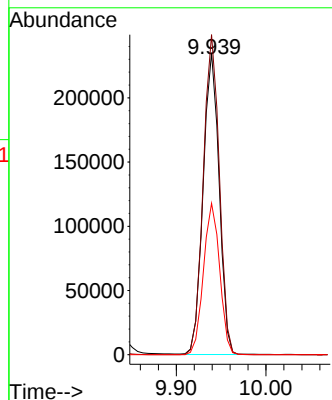
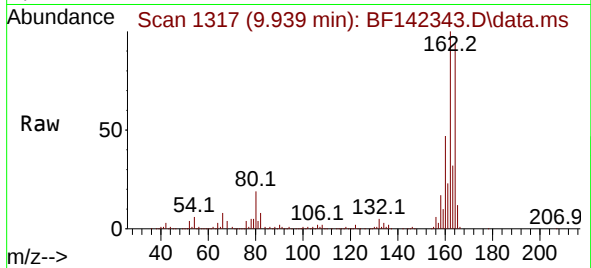




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142343.D
Acq: 13 May 2025 14:13

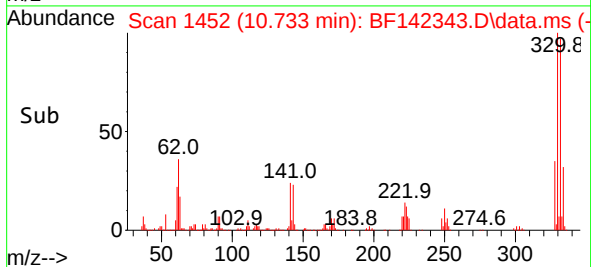
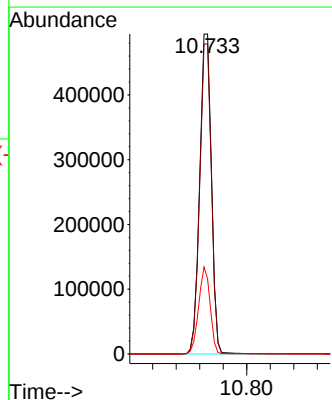
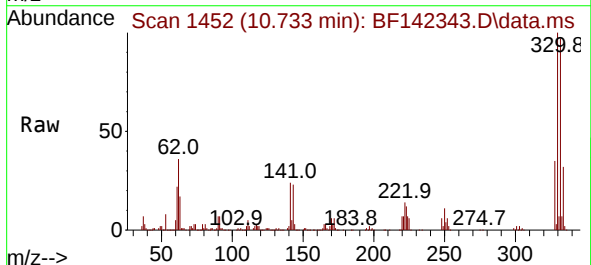
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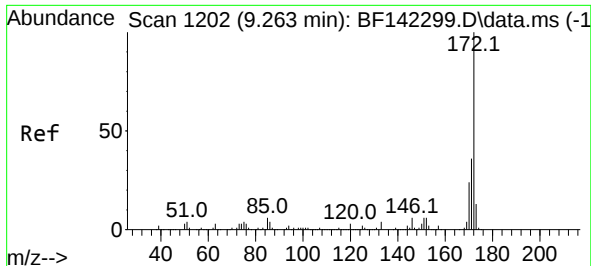
Tgt Ion:164 Resp: 290919
Ion Ratio Lower Upper
164 100
162 106.0 79.2 118.8
160 50.2 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 243.711 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BF142343.D
Acq: 13 May 2025 14:13

Tgt Ion:330 Resp: 684527
Ion Ratio Lower Upper
330 100
332 96.7 76.8 115.2
141 26.6 24.9 37.3

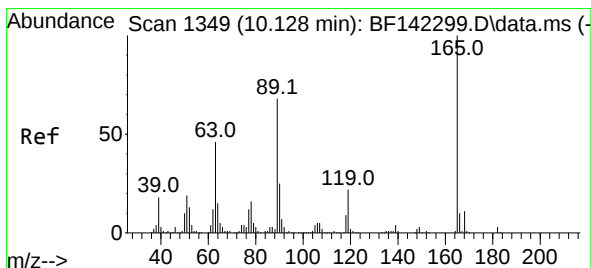
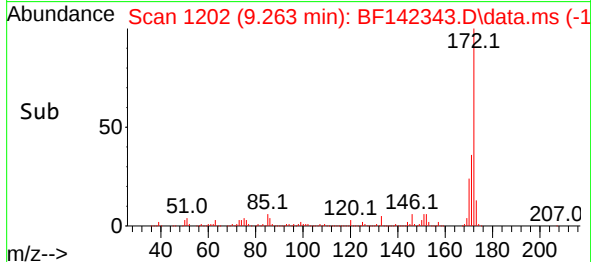
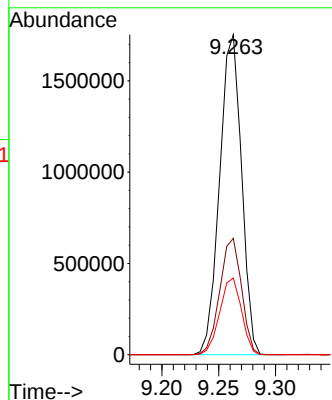
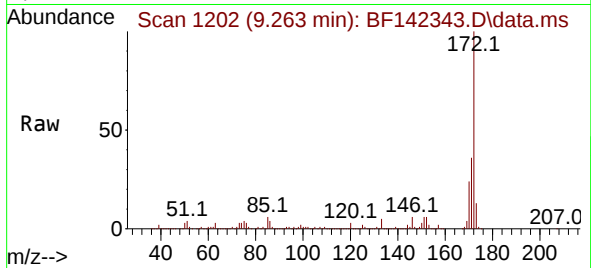




#45
2-Fluorobiphenyl
Concen: 115.394 ng
RT: 9.263 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142343.D
Acq: 13 May 2025 14:13

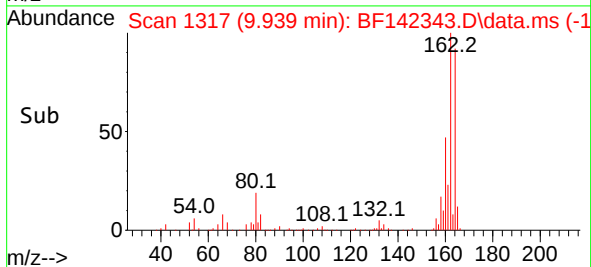
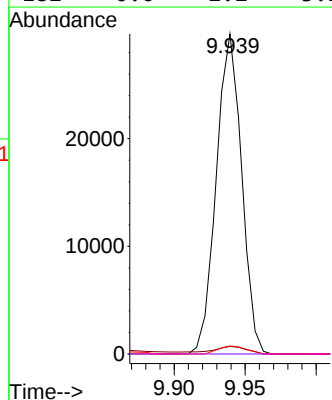
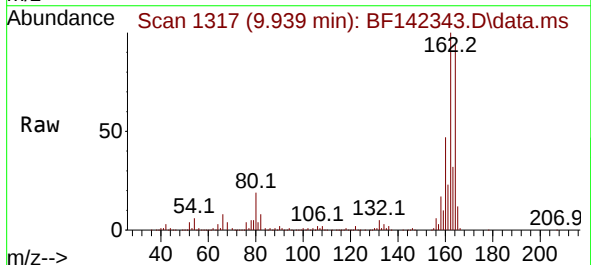
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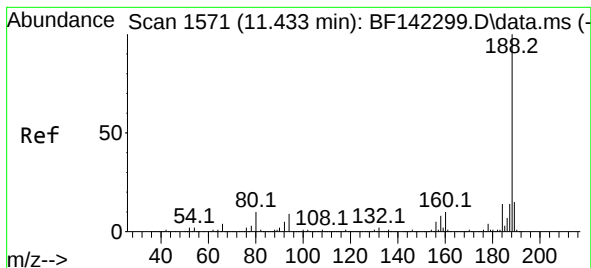
Tgt Ion:172 Resp: 2354360
Ion Ratio Lower Upper
172 100
171 36.4 28.6 42.8
170 23.9 19.0 28.4



#57
2,4-Dinitrotoluene
Concen: 8.212 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.188 min
Lab File: BF142343.D
Acq: 13 May 2025 14:13

Tgt Ion:165 Resp: 36835
Ion Ratio Lower Upper
165 100
63 2.4 37.1 55.7#
89 2.5 54.4 81.6#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.427 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142343.D

Acq: 13 May 2025 14:13

Instrument :

BNA_F

ClientSampleId :

VNJ-218

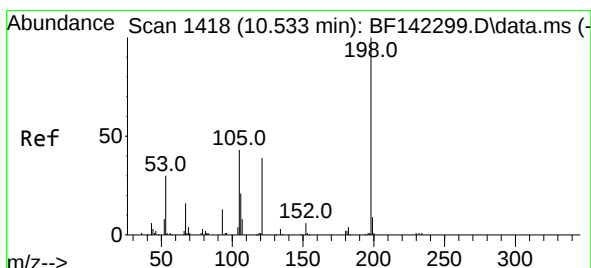
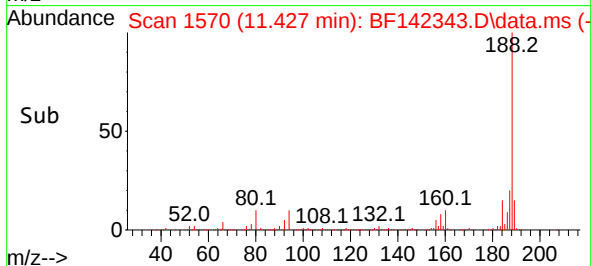
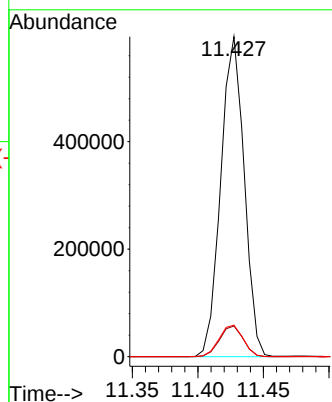
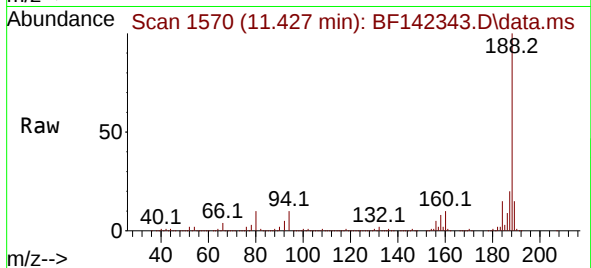
Tgt Ion:188 Resp: 738088

Ion Ratio Lower Upper

188 100

94 9.6 7.5 11.3

80 9.9 7.9 11.9



#65

4,6-Dinitro-2-methylphenol

Concen: 7.547 ng

RT: 10.727 min Scan# 1451

Delta R.T. 0.194 min

Lab File: BF142343.D

Acq: 13 May 2025 14:13

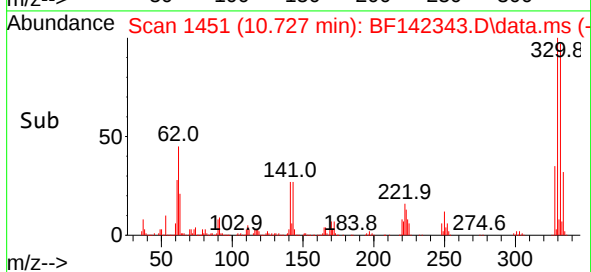
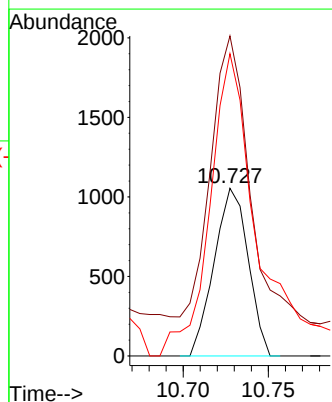
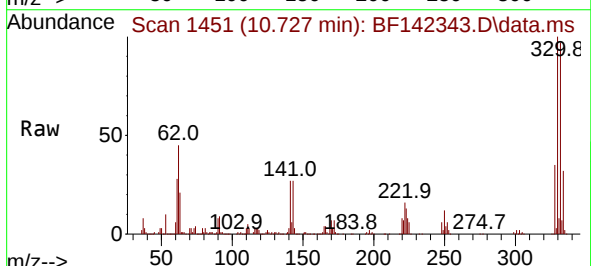
Tgt Ion:198 Resp: 1463

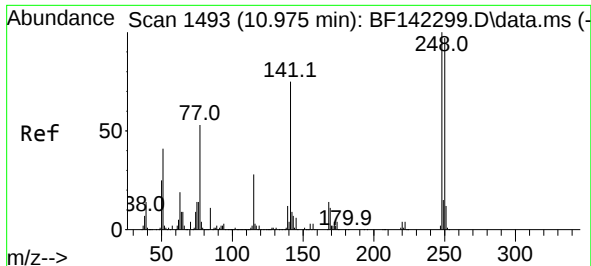
Ion Ratio Lower Upper

198 100

51 190.9 32.9 72.9#

105 180.3 23.7 63.7#

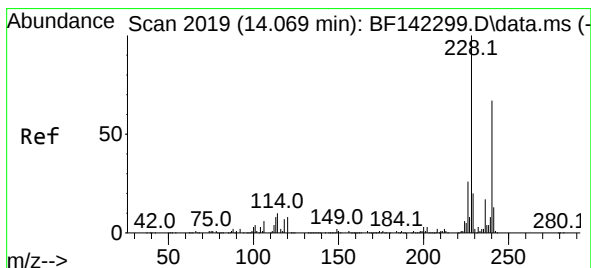
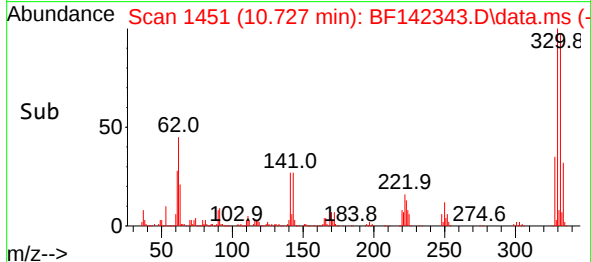
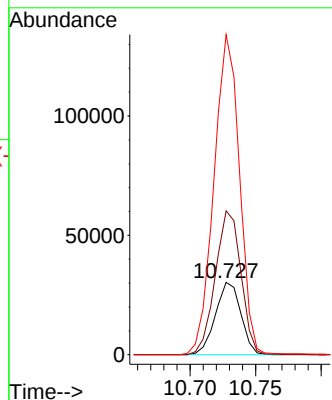
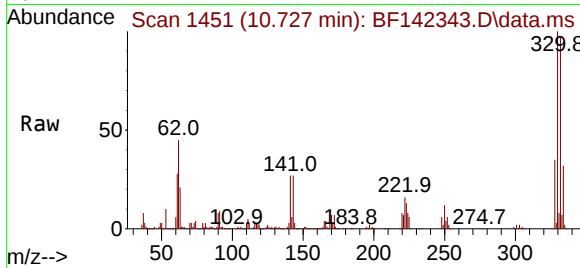




#67
4-Bromophenyl-phenylether
Concen: 4.868 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF142343.D
Acq: 13 May 2025 14:13

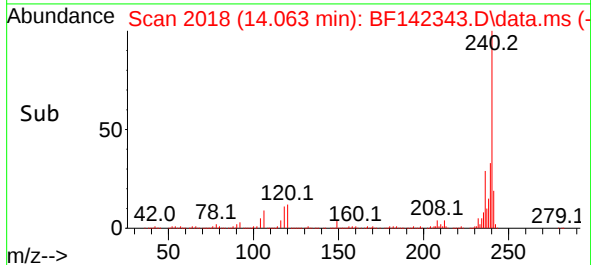
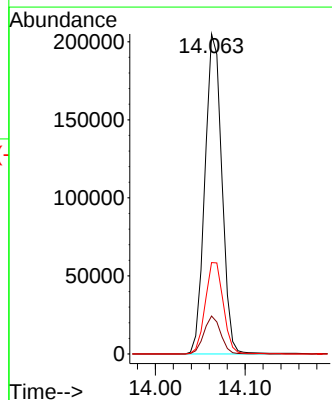
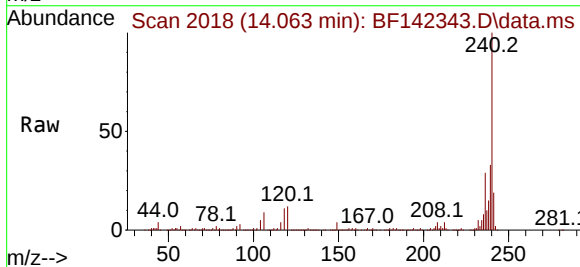
Instrument :
BNA_F
ClientSampleId :
VNJ-218

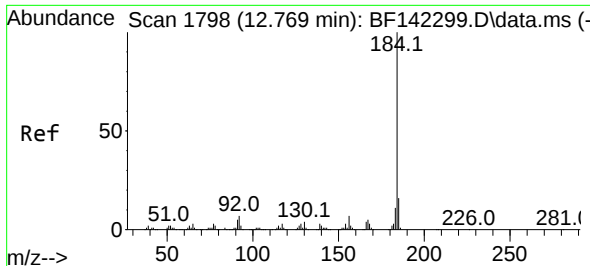
Tgt Ion:248 Resp: 40724
Ion Ratio Lower Upper
248 100
250 199.1 77.9 116.9#
141 442.8 59.8 89.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142343.D
Acq: 13 May 2025 14:13

Tgt Ion:240 Resp: 269027
Ion Ratio Lower Upper
240 100
120 11.9 9.7 14.5
236 28.5 20.0 30.0

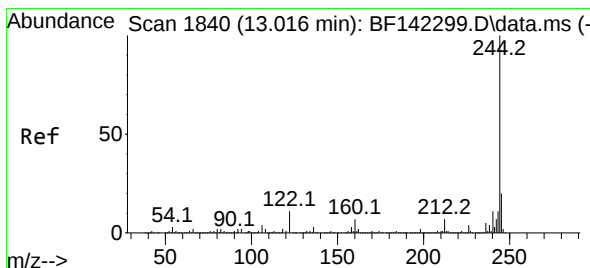
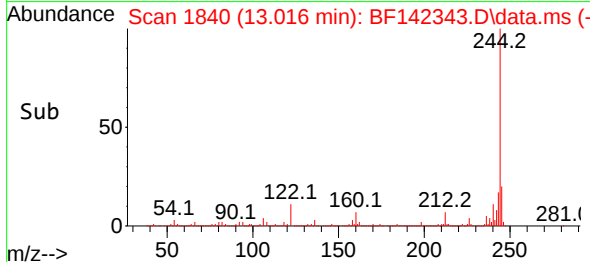
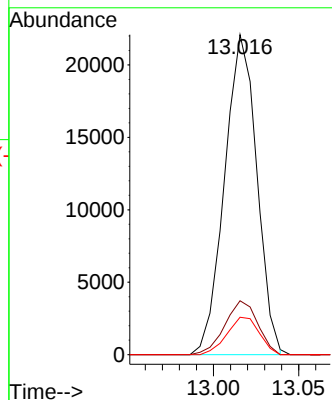
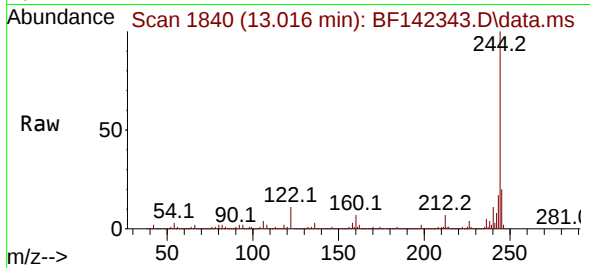




#77
Benzidine
Concen: 5.962 ng
RT: 13.016 min Scan# 1840
Delta R.T. 0.247 min
Lab File: BF142343.D
Acq: 13 May 2025 14:13

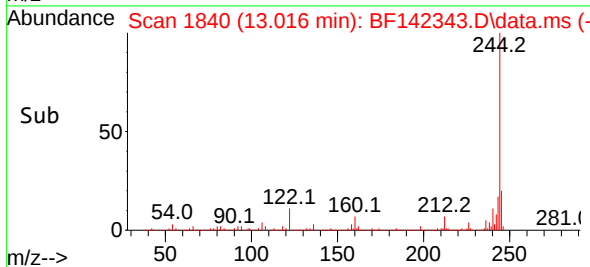
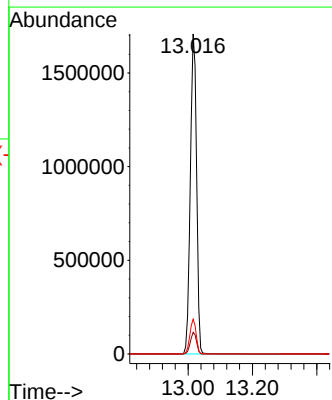
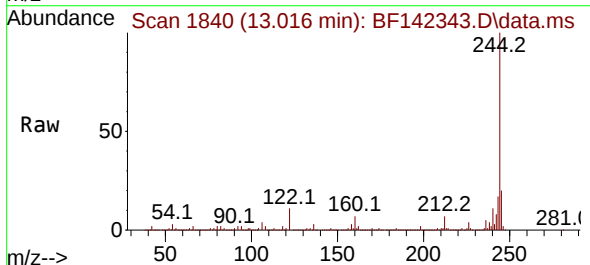
Instrument :
BNA_F
ClientSampleId :
VNJ-218

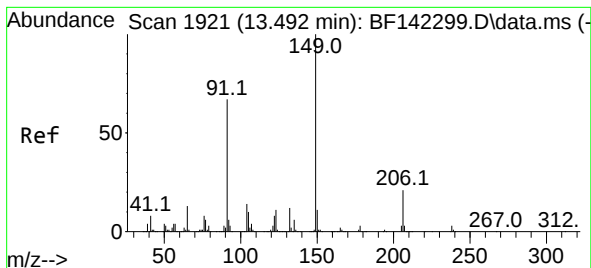
Tgt Ion:184 Resp: 29146
Ion Ratio Lower Upper
184 100
185 16.8 12.6 18.8
183 11.7 8.6 12.8



#79
Terphenyl-d14
Concen: 126.220 ng
RT: 13.016 min Scan# 1840
Delta R.T. -0.000 min
Lab File: BF142343.D
Acq: 13 May 2025 14:13

Tgt Ion:244 Resp: 2294195
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.2
122 10.9 9.0 13.4





#80

Butylbenzylphthalate

Concen: 3.724 ng

RT: 13.486 min Scan# 1921

Delta R.T. -0.006 min

Lab File: BF142343.D

Acq: 13 May 2025 14:13

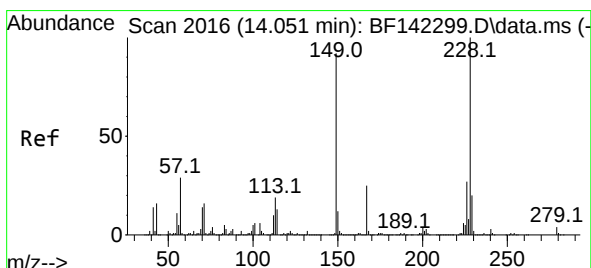
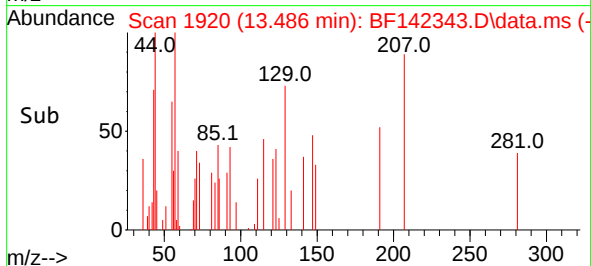
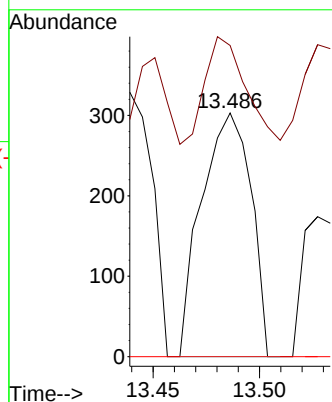
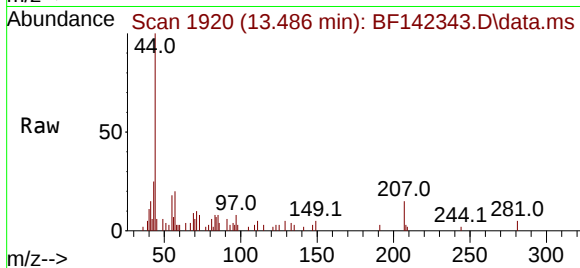
Instrument :

BNA_F

ClientSampleId :

VNJ-218

Tgt Ion:149	Resp:	490
Ion	Ratio	Lower Upper
149	100	
91	127.7	53.8 80.6#
206	0.0	16.6 24.8#



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.768 ng

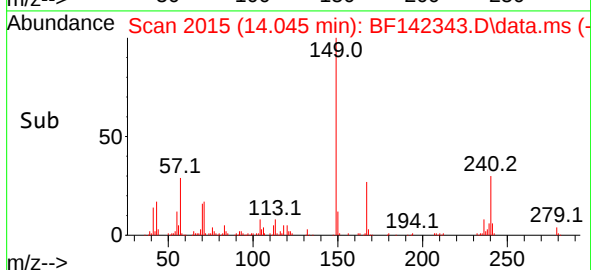
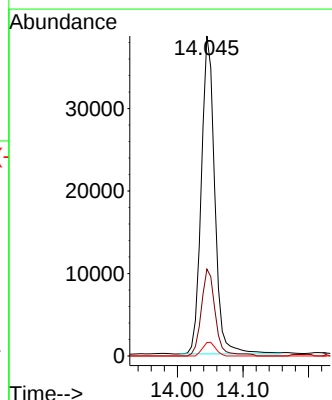
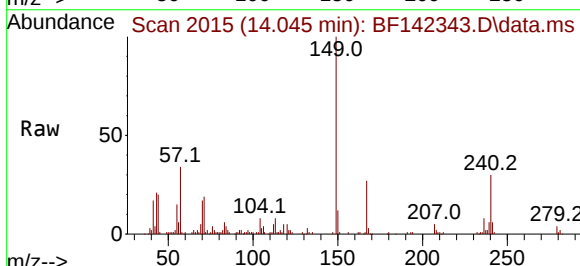
RT: 14.045 min Scan# 2015

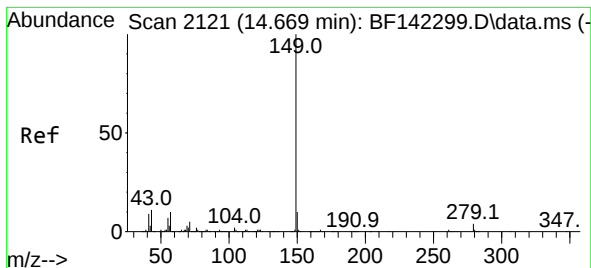
Delta R.T. -0.006 min

Lab File: BF142343.D

Acq: 13 May 2025 14:13

Tgt Ion:149	Resp:	55212
Ion	Ratio	Lower Upper
149	100	
167	27.1	22.0 33.0
279	4.2	3.0 4.6





#85

Di-n-octyl phthalate

Concen: 7.844 ng

RT: 14.663 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142343.D

Acq: 13 May 2025 14:13

Instrument :

BNA_F

ClientSampleId :

VNJ-218

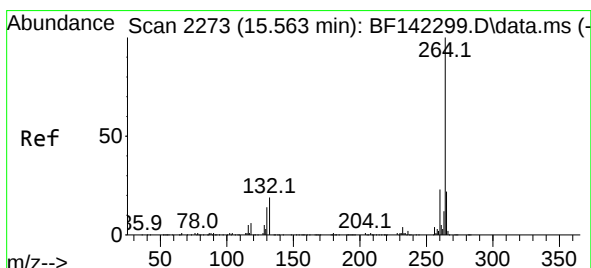
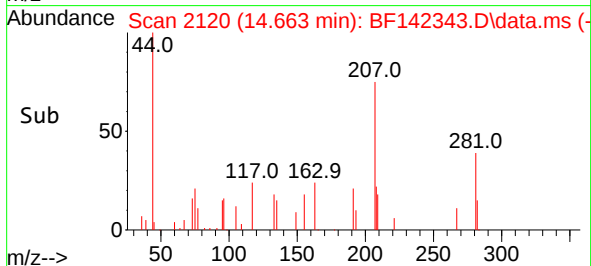
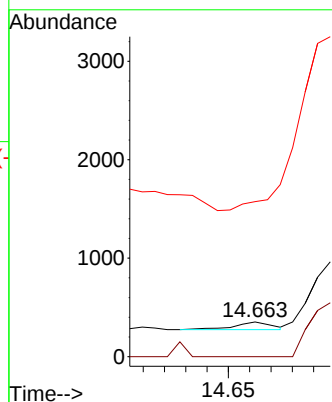
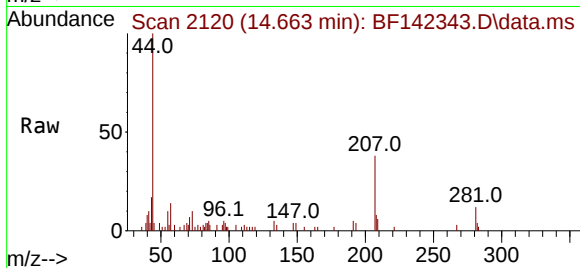
Tgt Ion:149 Resp: 91

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# 2272

Delta R.T. -0.006 min

Lab File: BF142343.D

Acq: 13 May 2025 14:13

Tgt Ion:264 Resp: 22485

Ion Ratio Lower Upper

264 100

260 47.9 18.6 27.8#

265 19.5 17.5 26.3

