

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141333.D
 Acq On : 31 Jan 2025 15:39
 Operator : RC/JU
 Sample : Q1205-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-236

Quant Time: Jan 31 16:01:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

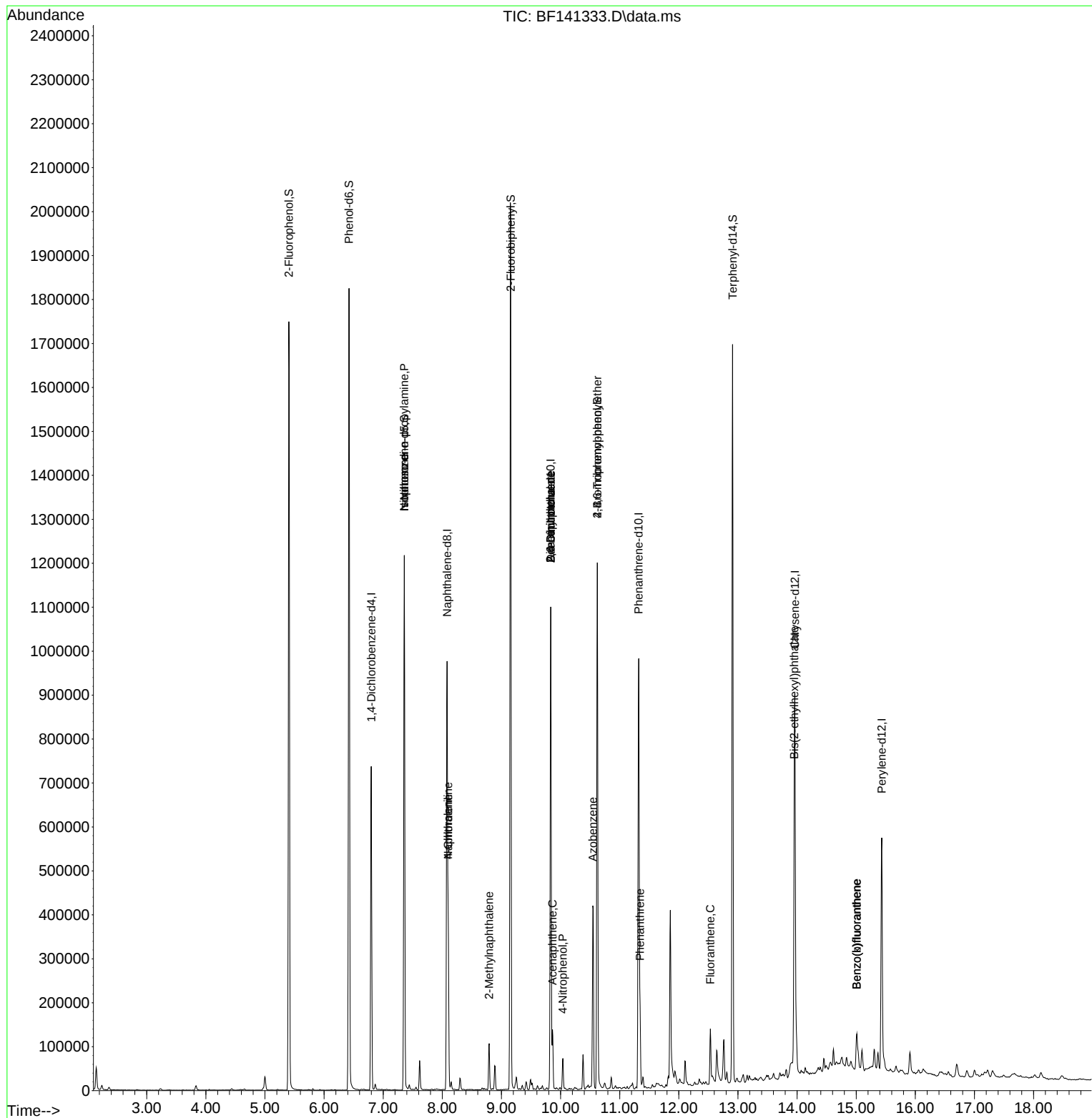
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	149221	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	599189	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	315627	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	489124	20.000	ng	0.00
76) Chrysene-d12	13.963	240	325072	20.000	ng	-0.01
86) Perylene-d12	15.433	264	309327	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	657297	67.623	ng	0.00
7) Phenol-d6	6.422	99	830032	67.127	ng	-0.02
23) Nitrobenzene-d5	7.357	82	517235	45.506	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	185710	64.180	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	911939	44.472	ng	0.00
79) Terphenyl-d14	12.910	244	808776	38.369	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.357	70	68171	9.278	ng	# 73
25) Isophorone	7.357	82	509160	25.915	ng	# 64
31) Naphthalene	8.098	128	227052	7.173	ng	99
33) 4-Chloroaniline	8.098	127	29165	2.717	ng	# 34
37) 2-Methylnaphthalene	8.792	142	41765	2.076	ng	99
50) Dimethylphthalate	9.833	163	48323	2.267	ng	# 1
51) 2,6-Dinitrotoluene	9.833	165	41681	8.421	ng	# 24
52) Acenaphthene	9.863	154	40087	2.089	ng	97
56) 4-Nitrophenol	10.039	139	14490	4.084	ng	# 8
57) 2,4-Dinitrotoluene	9.833	165	41681	6.504	ng	# 23
63) Azobenzene	10.545	77	105311	5.090	ng	# 1
67) 4-Bromophenyl-phenylether	10.622	248	12496	2.282	ng	# 1
71) Phenanthrene	11.345	178	94194	3.583	ng	99
75) Fluoranthene	12.533	202	69197	2.665	ng	99
84) Bis(2-ethylhexyl)phtha...	13.951	149	122328	8.846	ng	98
88) Benzo(b)fluoranthene	15.010	252	66029	3.394	ng	# 97
89) Benzo(k)fluoranthene	15.010	252	66002	3.829	ng	# 97

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

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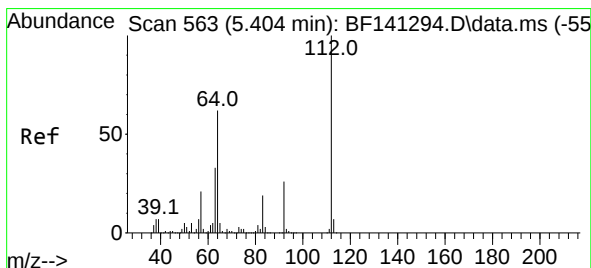
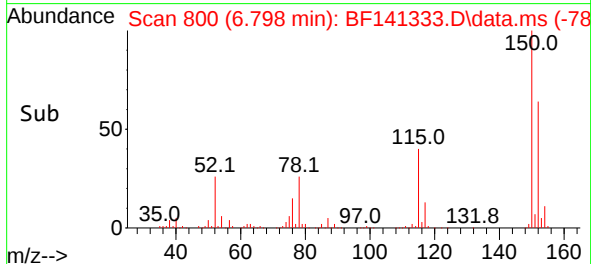
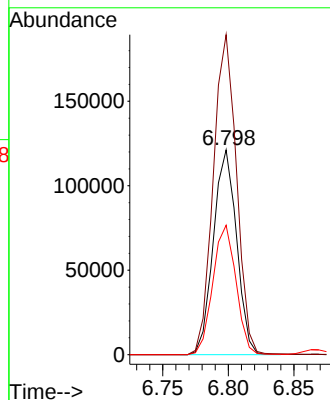
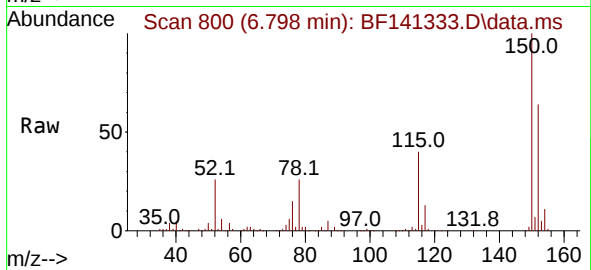




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 800
 Delta R.T. -0.006 min
 Lab File: BF141333.D
 Acq: 31 Jan 2025 15:39

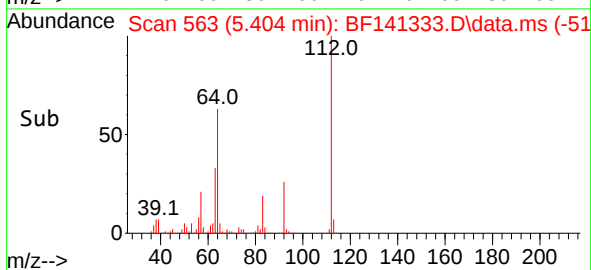
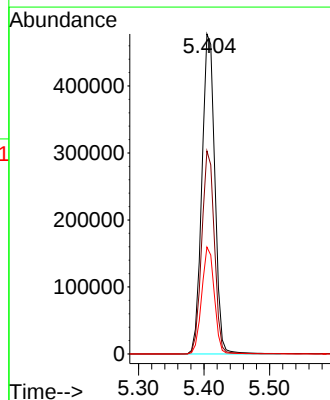
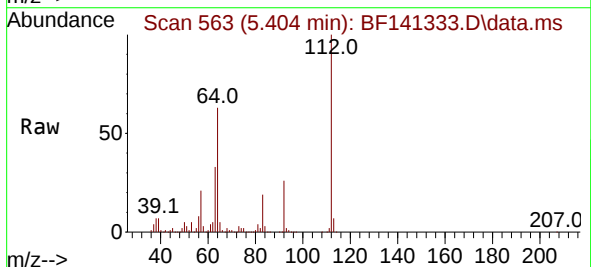
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-236

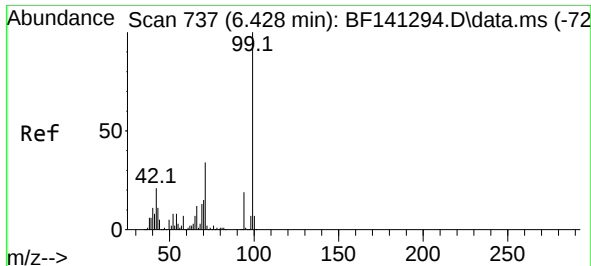
Tgt Ion:152 Resp: 149221
 Ion Ratio Lower Upper
 152 100
 150 156.2 125.9 188.9
 115 63.2 49.7 74.5



#5
 2-Fluorophenol
 Concen: 67.623 ng
 RT: 5.404 min Scan# 563
 Delta R.T. -0.006 min
 Lab File: BF141333.D
 Acq: 31 Jan 2025 15:39

Tgt Ion:112 Resp: 657297
 Ion Ratio Lower Upper
 112 100
 64 63.4 49.8 74.8
 63 33.4 26.1 39.1





#7
Phenol-d6
Concen: 67.127 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141333.D
Acq: 31 Jan 2025 15:39

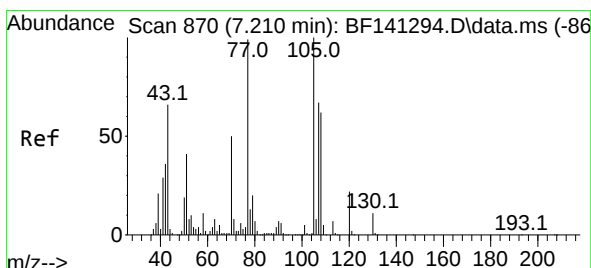
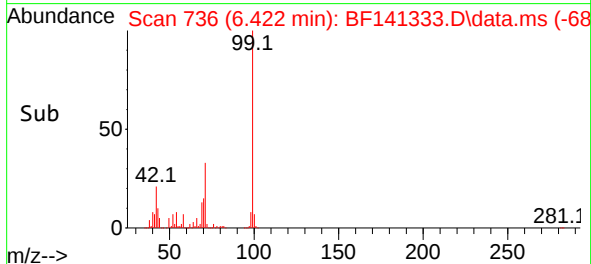
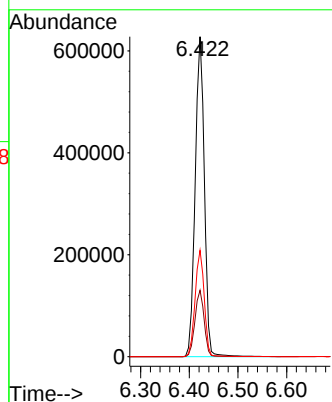
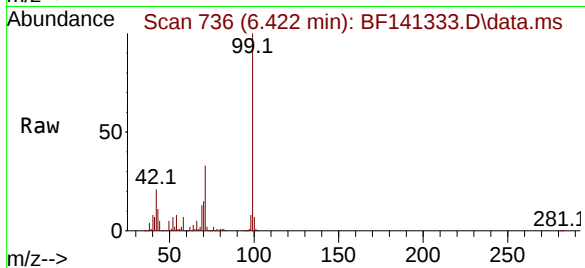
Instrument :

BNA_F

ClientSampleId :

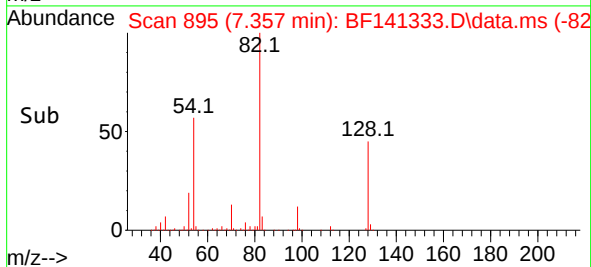
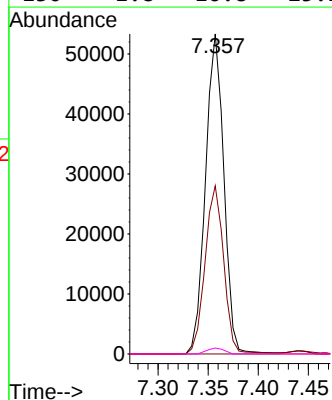
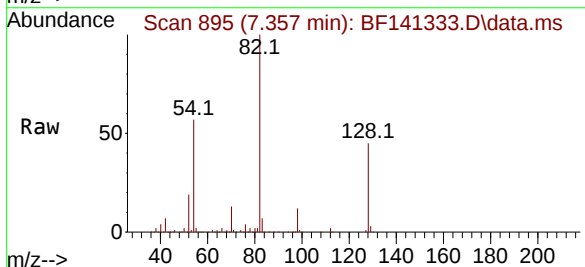
VNJ-236

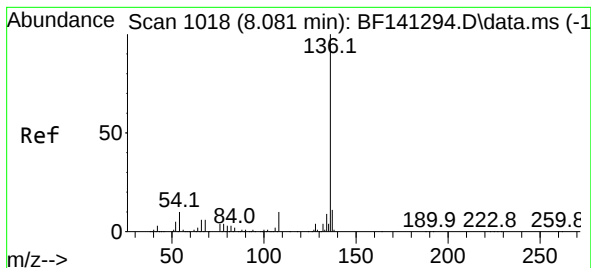
Tgt Ion: 99 Resp: 830032
Ion Ratio Lower Upper
99 100
42 20.7 17.1 25.7
71 33.2 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 9.278 ng
RT: 7.357 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF141333.D
Acq: 31 Jan 2025 15:39

Tgt Ion: 70 Resp: 68171
Ion Ratio Lower Upper
70 100
42 52.6 56.8 85.2#
101 0.0 7.7 11.5#
130 1.8 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF141333.D

Acq: 31 Jan 2025 15:39

Instrument :

BNA_F

ClientSampleId :

VNJ-236

Tgt Ion:136 Resp: 599189

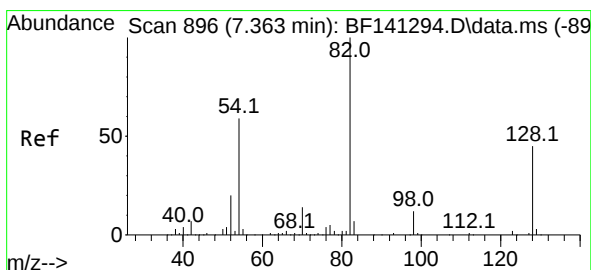
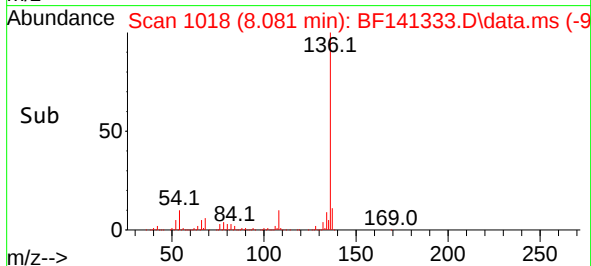
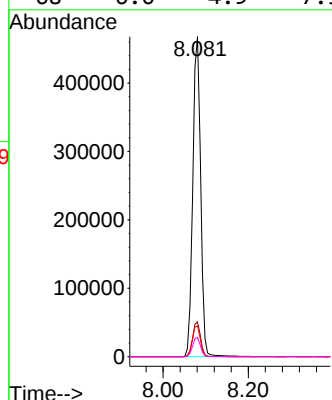
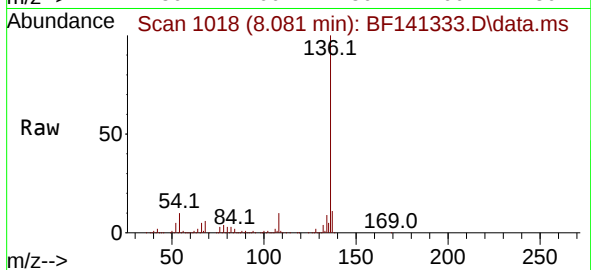
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 9.6 7.8 11.8

68 6.0 4.9 7.3



#23

Nitrobenzene-d5

Concen: 45.506 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF141333.D

Acq: 31 Jan 2025 15:39

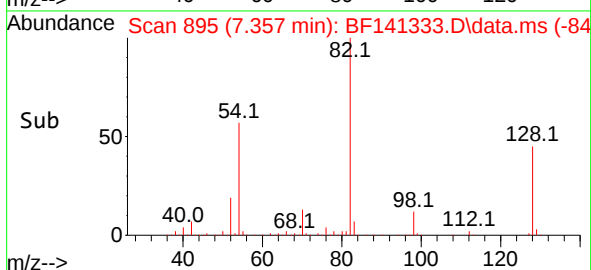
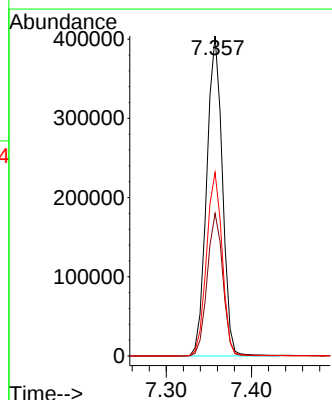
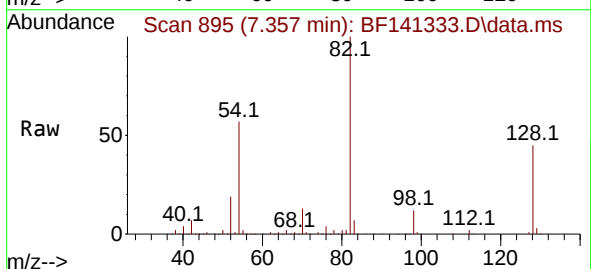
Tgt Ion: 82 Resp: 517235

Ion Ratio Lower Upper

82 100

128 44.6 35.7 53.5

54 57.4 47.1 70.7

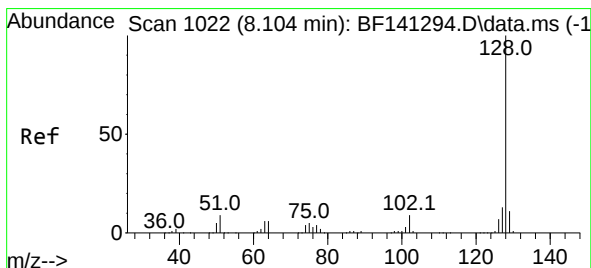
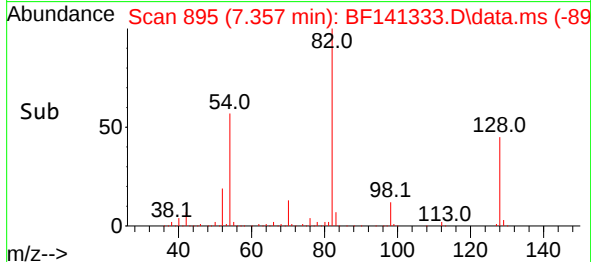
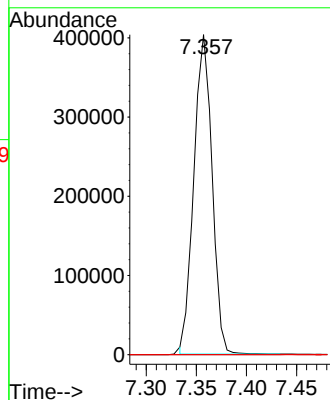
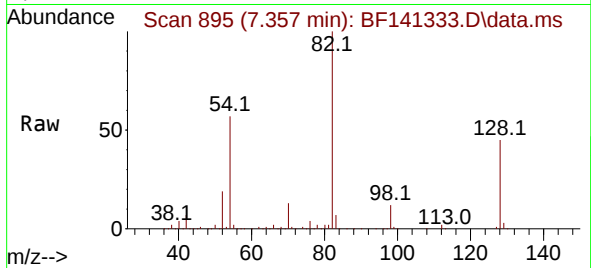




#25
Isophorone
Concen: 25.915 ng
RT: 7.357 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF141333.D
Acq: 31 Jan 2025 15:39

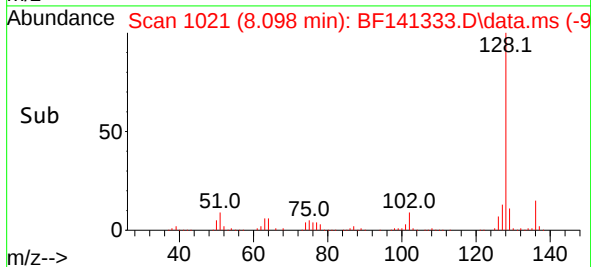
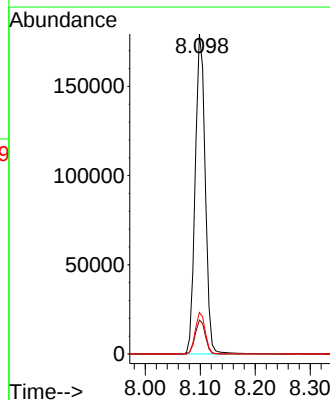
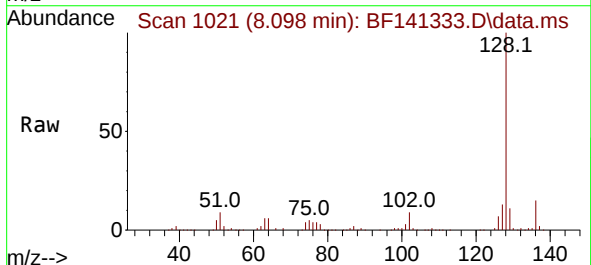
Instrument :
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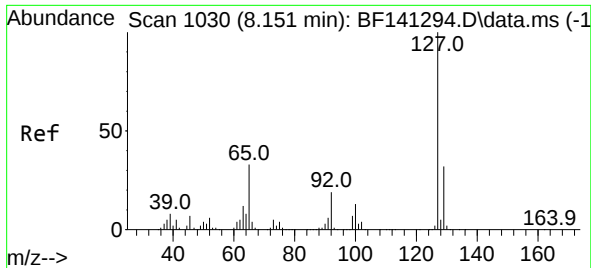
Tgt Ion: 82 Resp: 509160
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.7 22.1#



#31
Naphthalene
Concen: 7.173 ng
RT: 8.098 min Scan# 1021
Delta R.T. -0.012 min
Lab File: BF141333.D
Acq: 31 Jan 2025 15:39

Tgt Ion:128 Resp: 227052
Ion Ratio Lower Upper
128 100
129 10.6 8.9 13.3
127 13.0 10.6 15.8

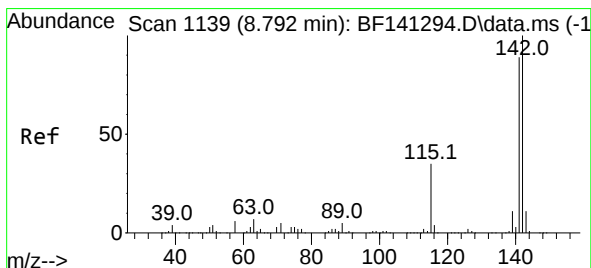
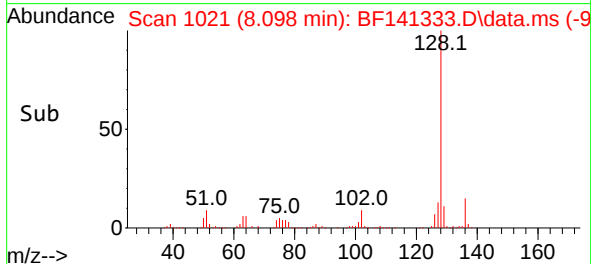
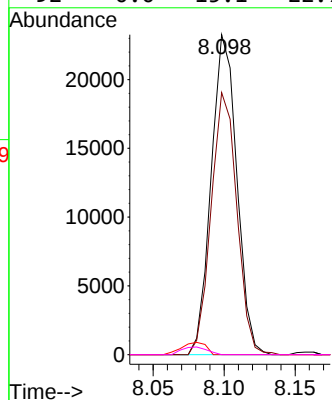
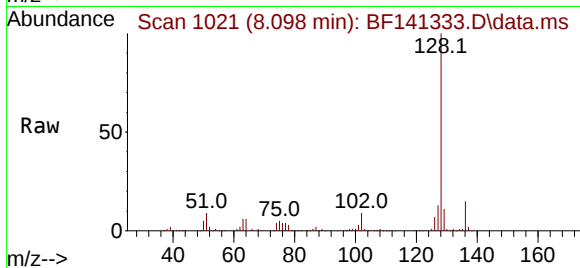




#33
4-Chloroaniline
Concen: 2.717 ng
RT: 8.098 min Scan# 1030
Delta R.T. -0.059 min
Lab File: BF141333.D
Acq: 31 Jan 2025 15:39

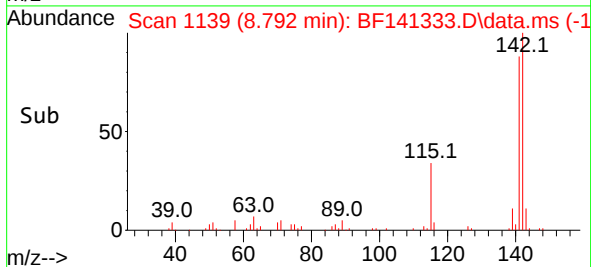
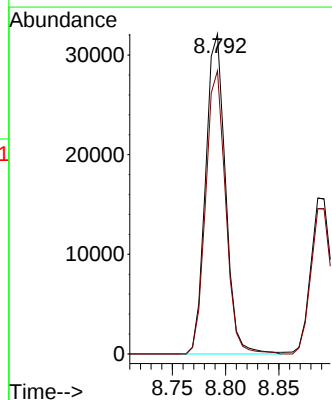
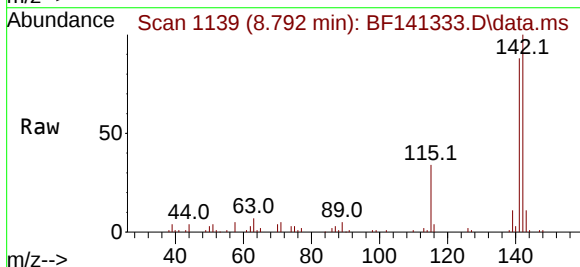
Instrument :
BNA_F
ClientSampleId :
VNJ-236

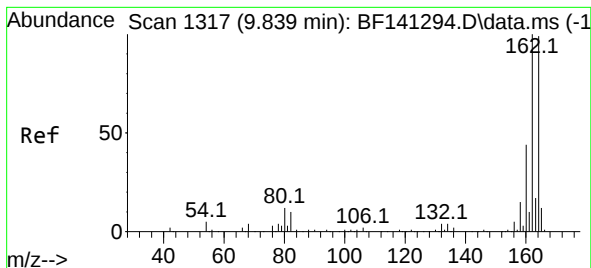
Tgt Ion:	127	Resp:	29165
Ion Ratio	Lower	Upper	
127	100		
129	81.9	25.7	38.5#
65	0.0	26.4	39.6#
92	0.0	15.1	22.7#



#37
2-Methylnaphthalene
Concen: 2.076 ng
RT: 8.792 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF141333.D
Acq: 31 Jan 2025 15:39

Tgt Ion:	142	Resp:	41765
Ion Ratio	Lower	Upper	
142	100		
141	88.5	71.3	106.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141333.D

Acq: 31 Jan 2025 15:39

Instrument :

BNA_F

ClientSampleId :

VNJ-236

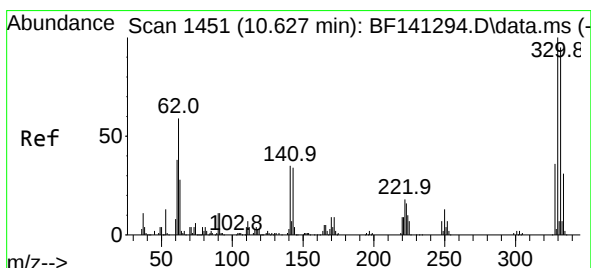
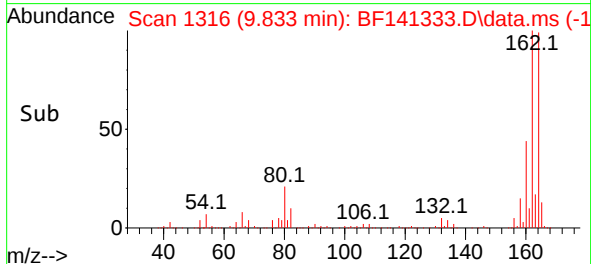
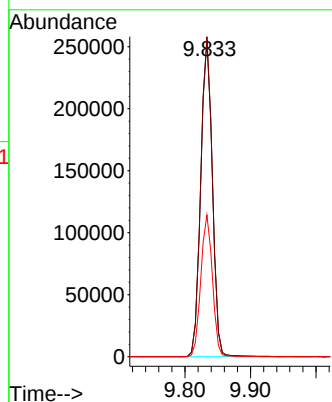
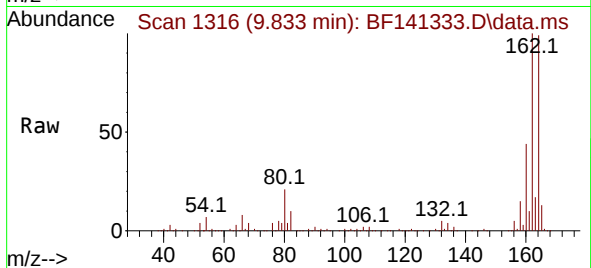
Tgt Ion:164 Resp: 315627

Ion Ratio Lower Upper

164 100

162 101.1 80.6 121.0

160 44.7 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 64.180 ng

RT: 10.622 min Scan# 1450

Delta R.T. -0.012 min

Lab File: BF141333.D

Acq: 31 Jan 2025 15:39

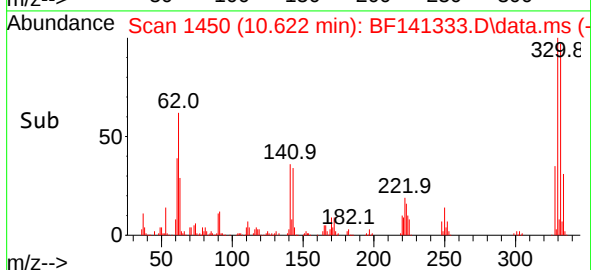
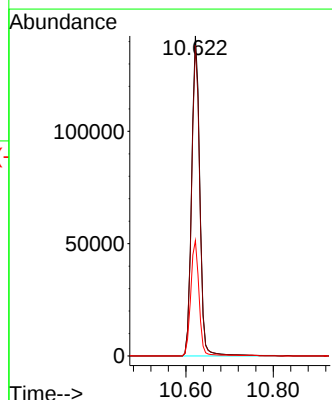
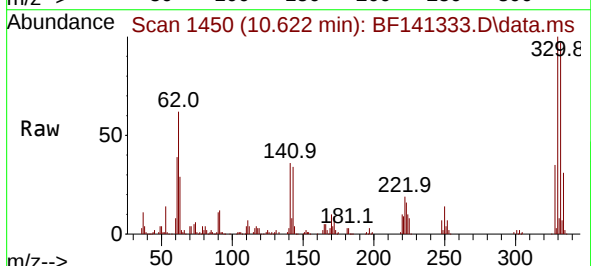
Tgt Ion:330 Resp: 185710

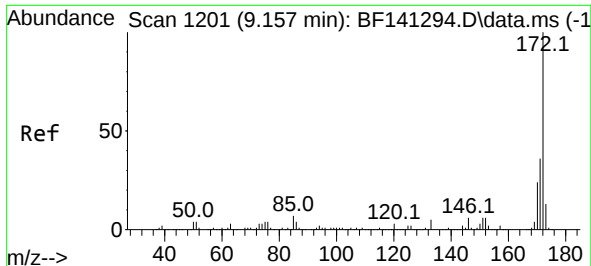
Ion Ratio Lower Upper

330 100

332 95.9 76.1 114.1

141 36.6 28.8 43.2

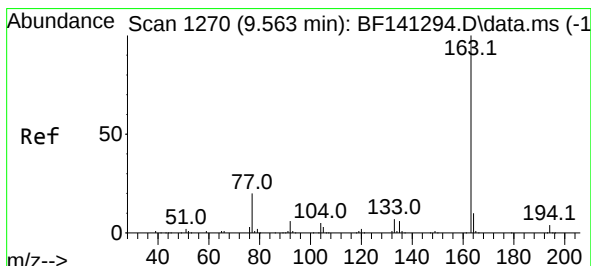
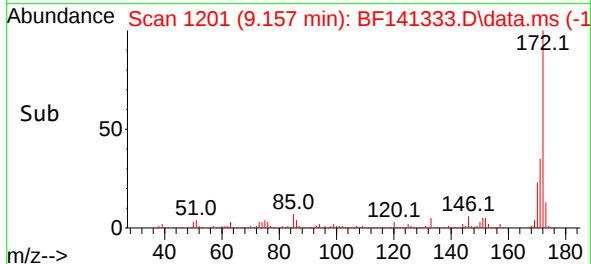
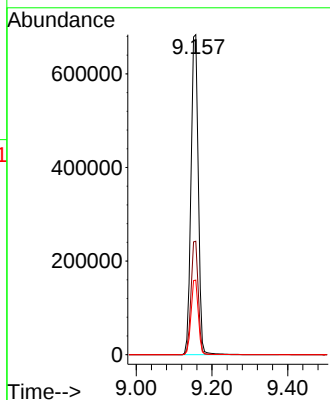
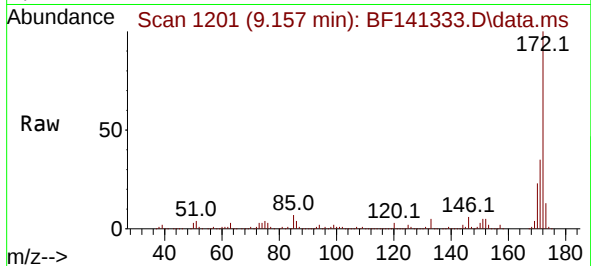




#45
2-Fluorobiphenyl
Concen: 44.472 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141333.D
Acq: 31 Jan 2025 15:39

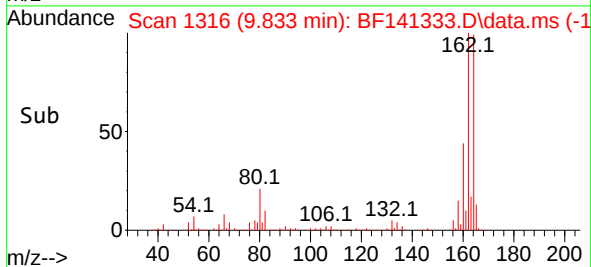
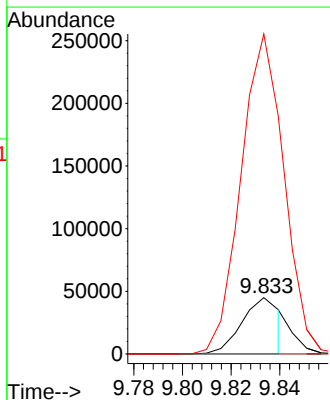
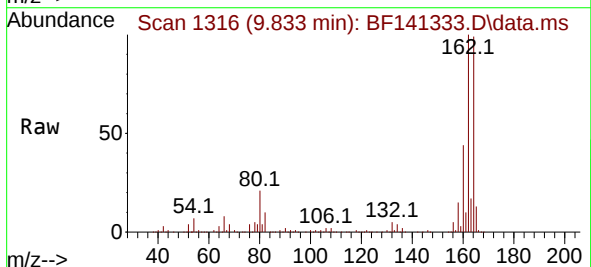
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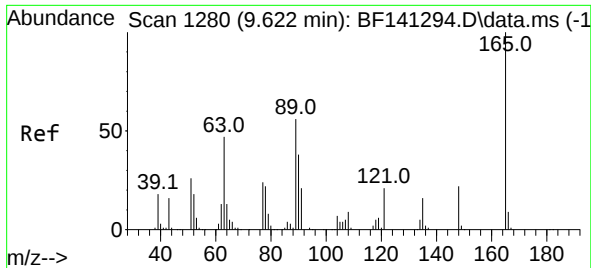
Tgt Ion:172 Resp: 911939
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.3 19.0 28.6



#50
Dimethylphthalate
Concen: 2.267 ng
RT: 9.833 min Scan# 1316
Delta R.T. 0.265 min
Lab File: BF141333.D
Acq: 31 Jan 2025 15:39

Tgt Ion:163 Resp: 48323
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 567.9 8.0 12.0#





#51

2,6-Dinitrotoluene

Concen: 8.421 ng

RT: 9.833 min Scan# 1

Delta R.T. 0.206 min

Lab File: BF141333.D

Acq: 31 Jan 2025 15:39

Instrument :

BNA_F

ClientSampleId :

VNJ-236

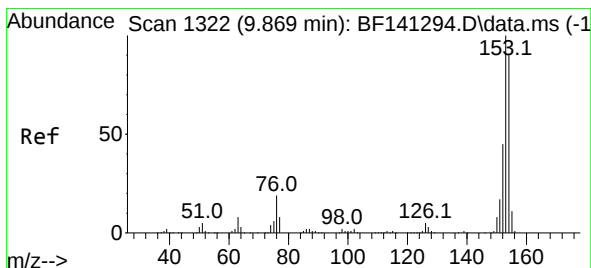
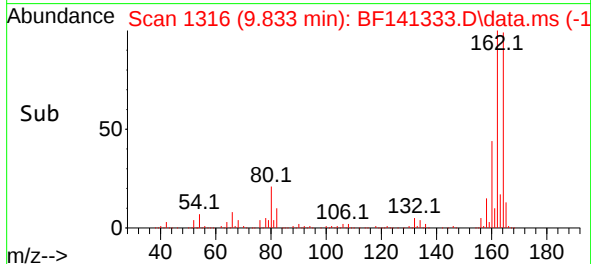
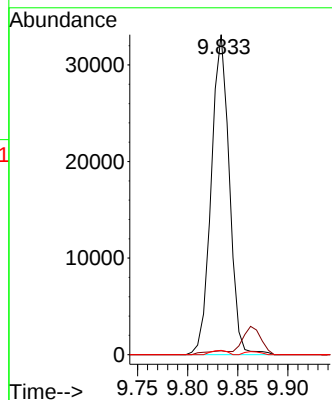
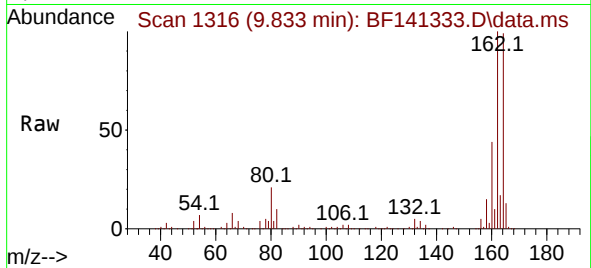
Tgt Ion:165 Resp: 41681

Ion Ratio Lower Upper

165 100

63 1.2 48.1 72.1#

89 1.4 44.9 67.3#



#52

Acenaphthene

Concen: 2.089 ng

RT: 9.863 min Scan# 1321

Delta R.T. -0.012 min

Lab File: BF141333.D

Acq: 31 Jan 2025 15:39

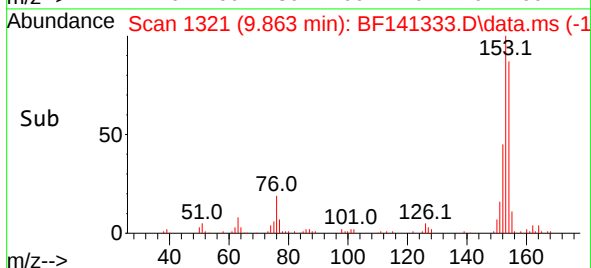
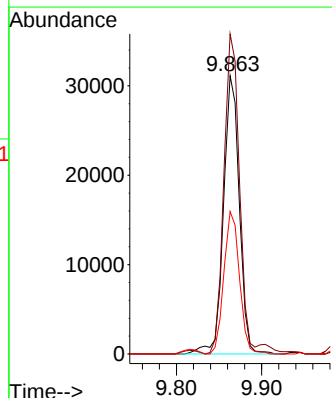
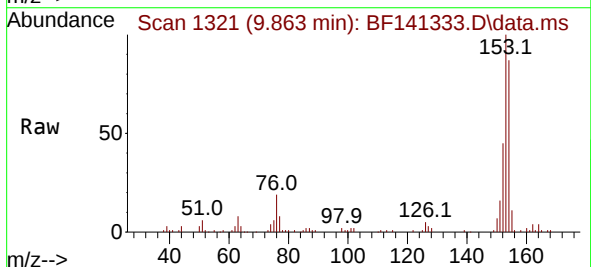
Tgt Ion:154 Resp: 40087

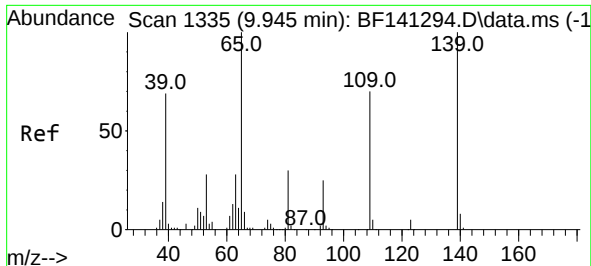
Ion Ratio Lower Upper

154 100

153 115.0 89.0 133.4

152 51.2 40.2 60.4

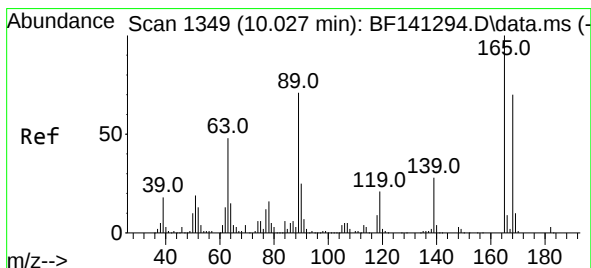
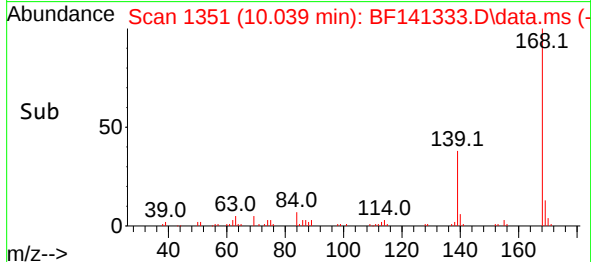
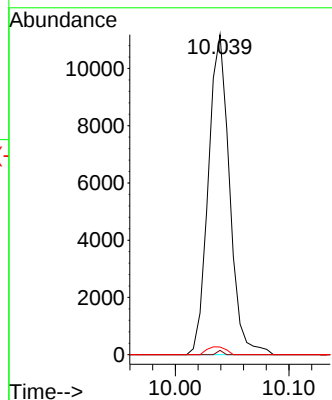
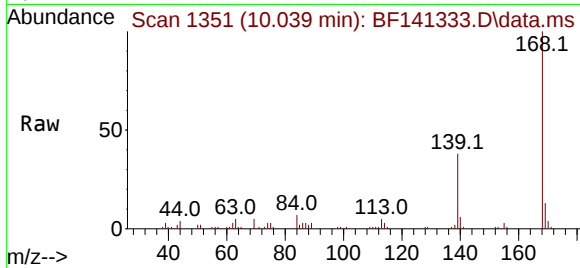




#56
4-Nitrophenol
Concen: 4.084 ng
RT: 10.039 min Scan# 11
Delta R.T. 0.082 min
Lab File: BF141333.D
Acq: 31 Jan 2025 15:39

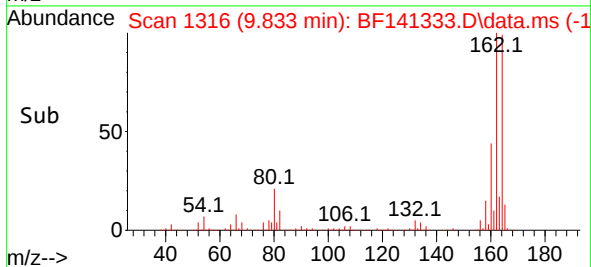
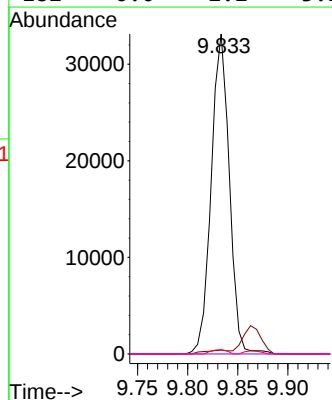
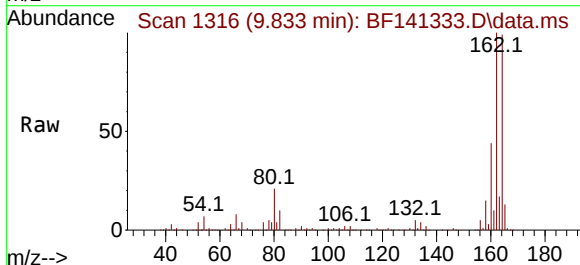
Instrument :
BNA_F
ClientSampleId :
VNJ-236

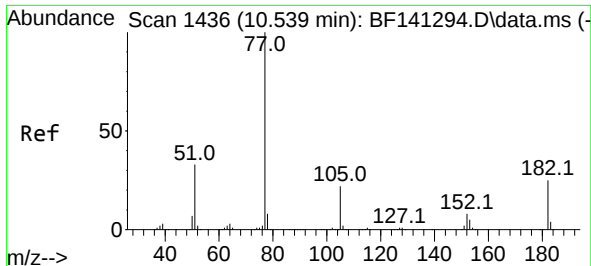
Tgt Ion:139 Resp: 14490
Ion Ratio Lower Upper
139 100
109 1.3 50.2 90.2#
65 2.4 80.6 120.6#



#57
2,4-Dinitrotoluene
Concen: 6.504 ng
RT: 9.833 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF141333.D
Acq: 31 Jan 2025 15:39

Tgt Ion:165 Resp: 41681
Ion Ratio Lower Upper
165 100
63 1.2 39.2 58.8#
89 1.4 56.9 85.3#
182 0.0 2.2 3.2#

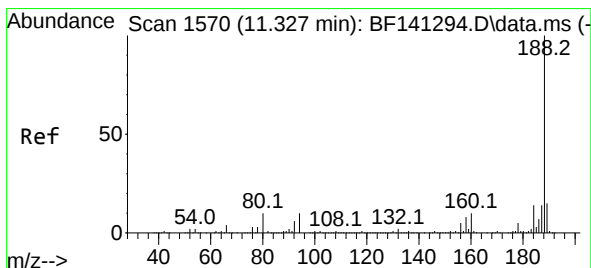
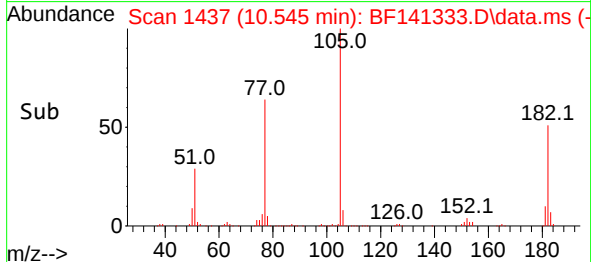
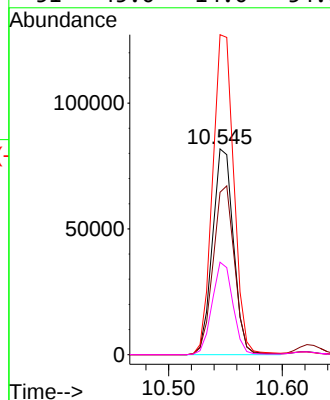
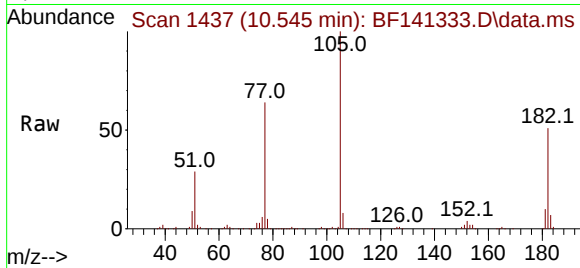




#63
Azobenzene
Concen: 5.090 ng
RT: 10.545 min Scan# 1436
Delta R.T. -0.000 min
Lab File: BF141333.D
Acq: 31 Jan 2025 15:39

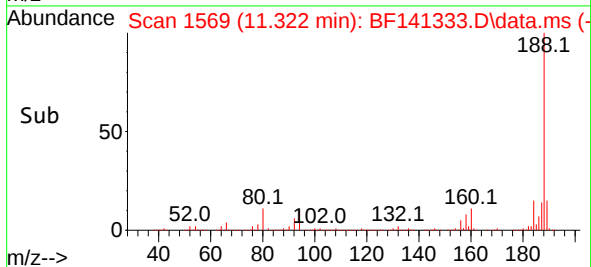
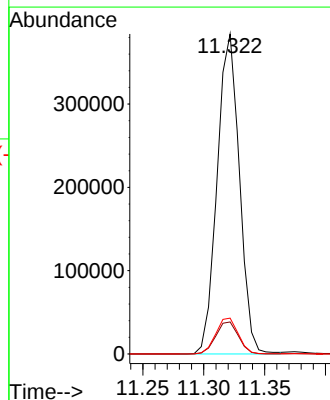
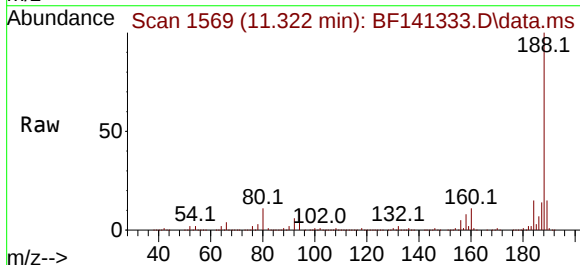
Instrument :
BNA_F
ClientSampleId :
VNJ-236

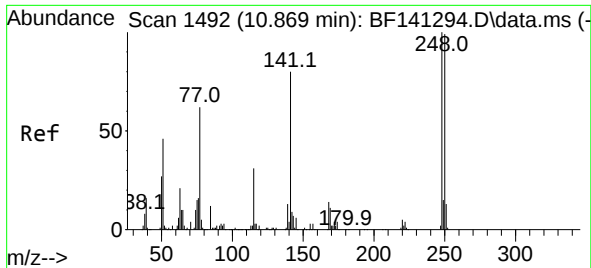
Tgt Ion: 77 Resp: 105311
Ion Ratio Lower Upper
77 100
182 78.9 5.1 45.1#
105 155.5 1.8 41.8#
51 45.0 14.0 54.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141333.D
Acq: 31 Jan 2025 15:39

Tgt Ion: 188 Resp: 489124
Ion Ratio Lower Upper
188 100
94 10.0 7.8 11.6
80 11.2 8.2 12.4

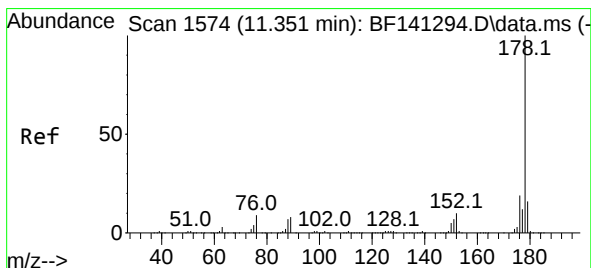
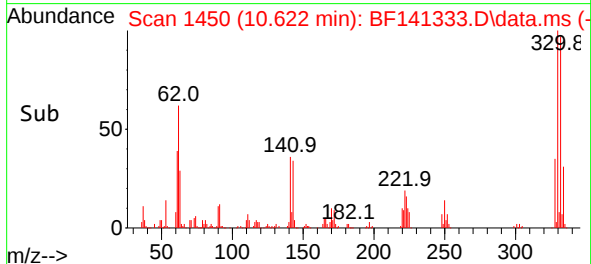
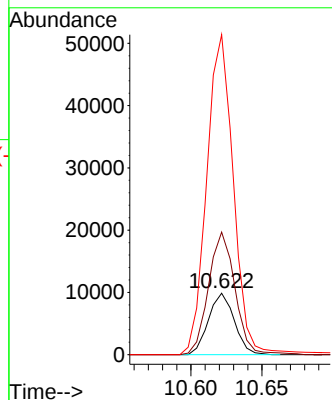
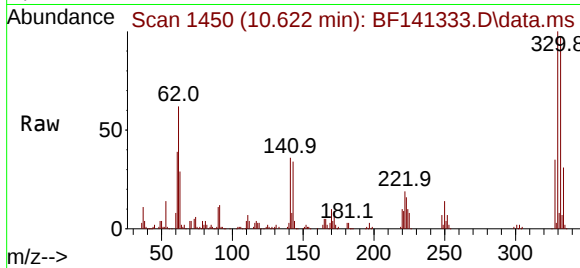




#67
4-Bromophenyl-phenylether
Concen: 2.282 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF141333.D
Acq: 31 Jan 2025 15:39

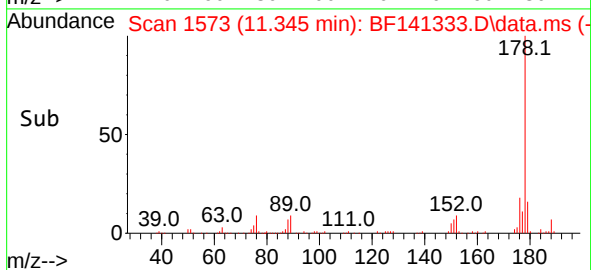
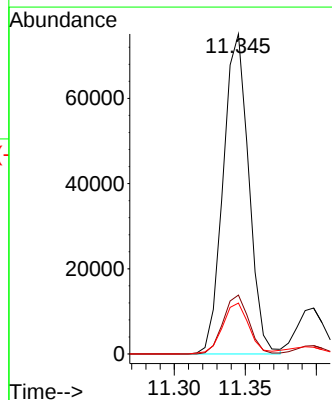
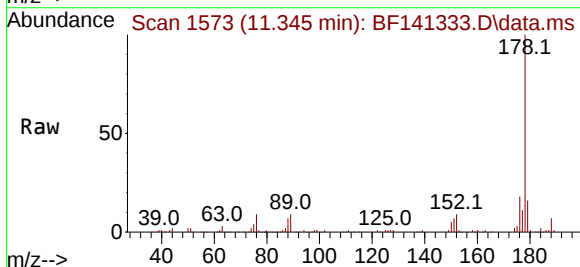
Instrument :
BNA_F
ClientSampleId :
VNJ-236

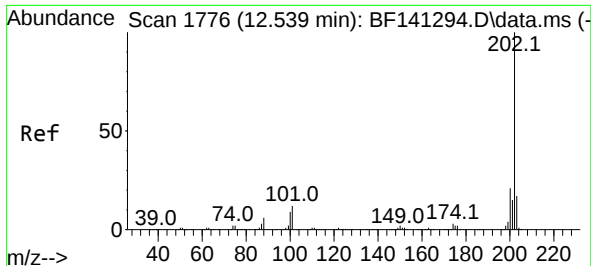
Tgt Ion:248 Resp: 12496
Ion Ratio Lower Upper
248 100
250 199.4 79.0 118.4#
141 521.0 63.7 95.5#



#71
Phenanthrene
Concen: 3.583 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF141333.D
Acq: 31 Jan 2025 15:39

Tgt Ion:178 Resp: 94194
Ion Ratio Lower Upper
178 100
176 18.4 15.3 22.9
179 15.9 12.5 18.7

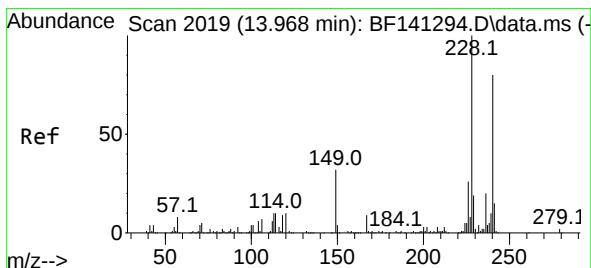
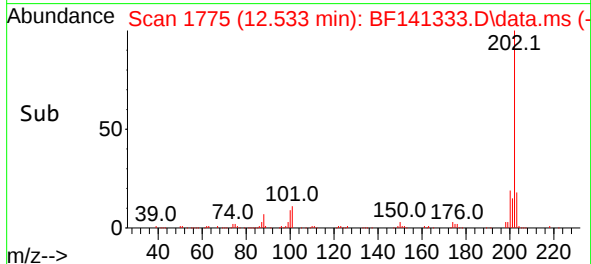
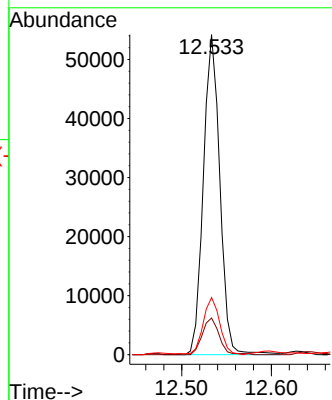
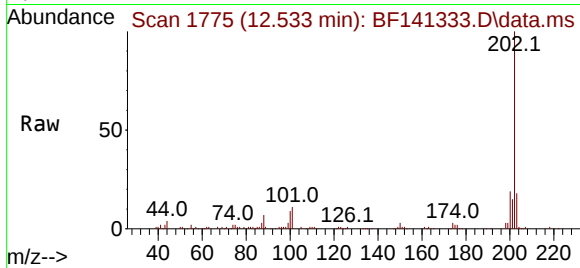




#75
Fluoranthene
Concen: 2.665 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF141333.D
Acq: 31 Jan 2025 15:39

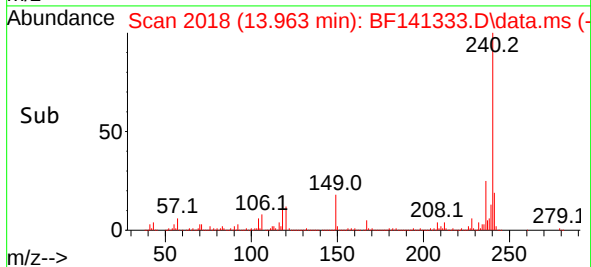
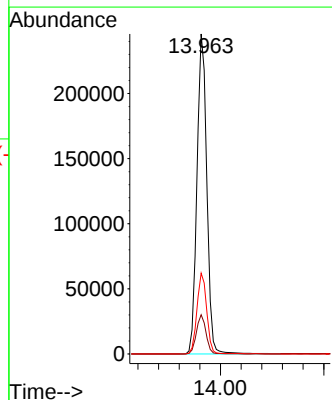
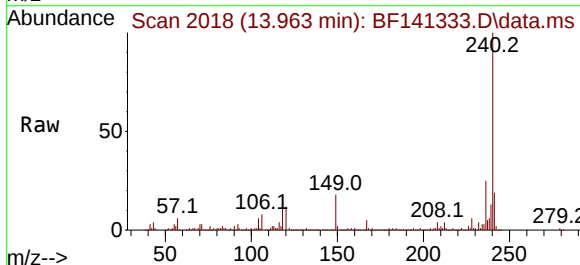
Instrument :
BNA_F
ClientSampleId :
VNJ-236

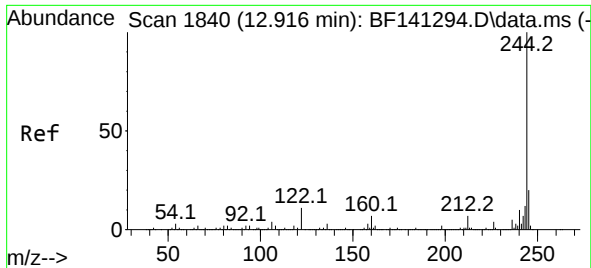
Tgt Ion:202 Resp: 69197
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.7
203 17.8 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141333.D
Acq: 31 Jan 2025 15:39

Tgt Ion:240 Resp: 325072
Ion Ratio Lower Upper
240 100
120 12.2 10.0 15.0
236 25.3 19.7 29.5

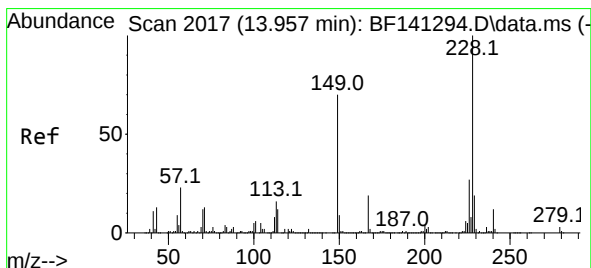
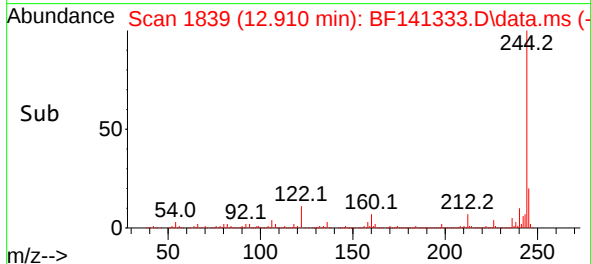
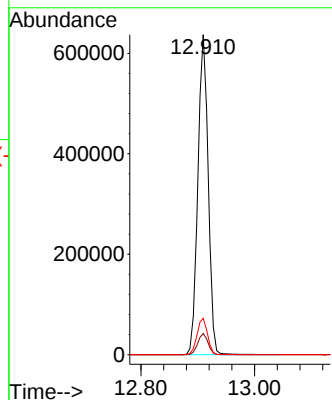
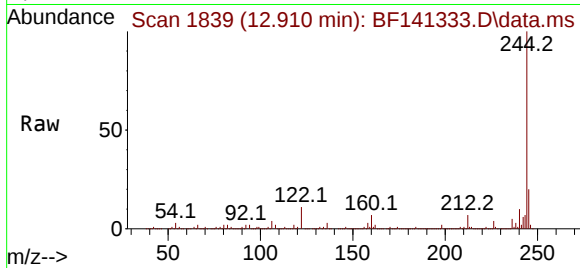




#79
 Terphenyl-d14
 Concen: 38.369 ng
 RT: 12.910 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF141333.D
 Acq: 31 Jan 2025 15:39

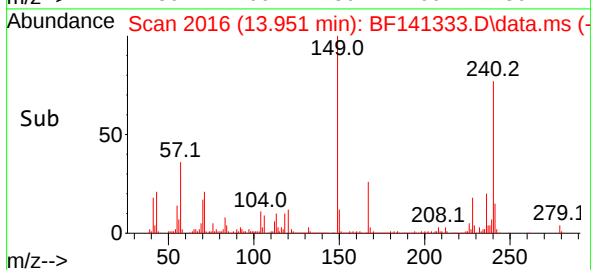
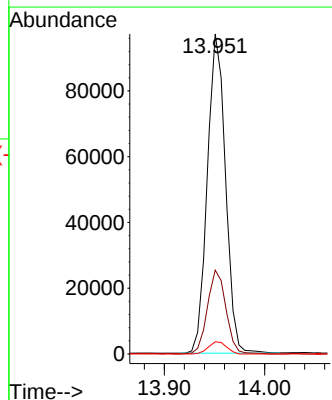
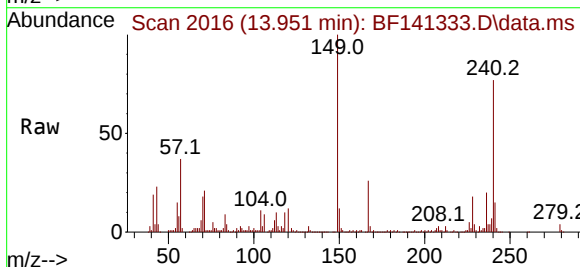
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-236

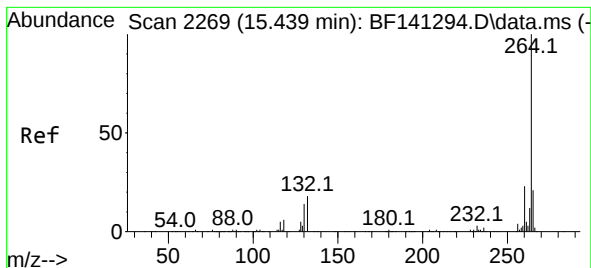
Tgt Ion:244 Resp: 808776
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 11.3 8.8 13.2



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 8.846 ng
 RT: 13.951 min Scan# 2016
 Delta R.T. -0.006 min
 Lab File: BF141333.D
 Acq: 31 Jan 2025 15:39

Tgt Ion:149 Resp: 122328
 Ion Ratio Lower Upper
 149 100
 167 26.2 21.8 32.8
 279 3.8 3.3 4.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF141333.D

Acq: 31 Jan 2025 15:39

Instrument :

BNA_F

ClientSampleId :

VNJ-236

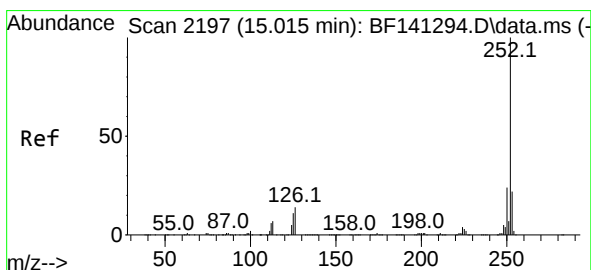
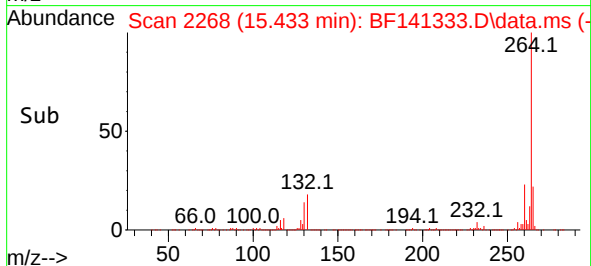
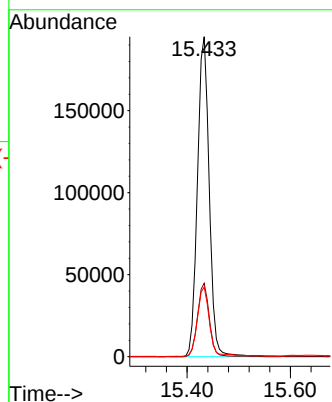
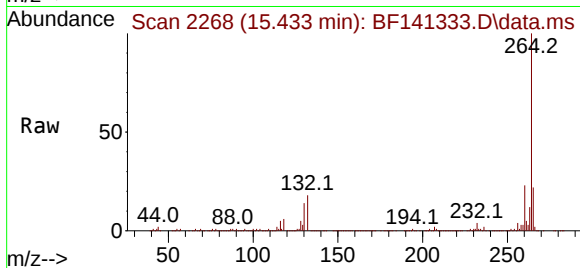
Tgt Ion:264 Resp: 309327

Ion Ratio Lower Upper

264 100

260 23.0 18.6 27.8

265 21.7 16.7 25.1



#88

Benzo(b)fluoranthene

Concen: 3.394 ng

RT: 15.010 min Scan# 2196

Delta R.T. -0.012 min

Lab File: BF141333.D

Acq: 31 Jan 2025 15:39

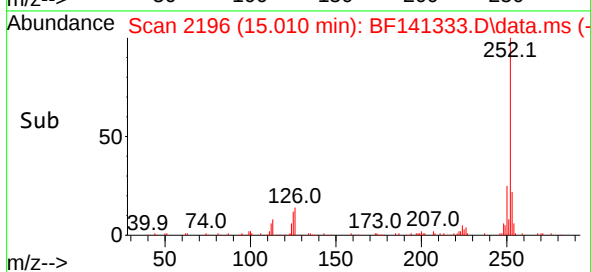
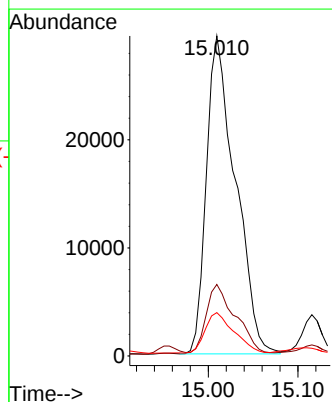
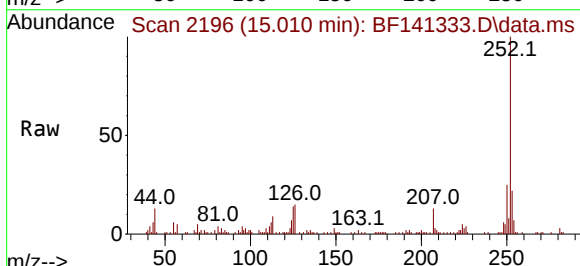
Tgt Ion:252 Resp: 66029

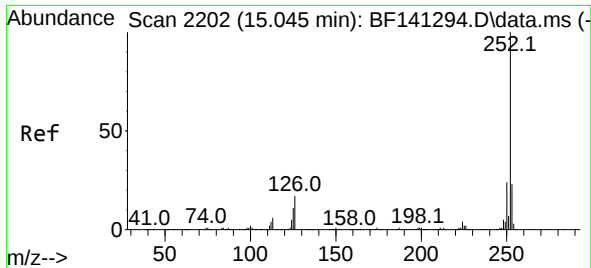
Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.2

125 13.5 8.6 12.8#





#89

Benzo(k)fluoranthene

Concen: 3.829 ng

RT: 15.010 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF141333.D

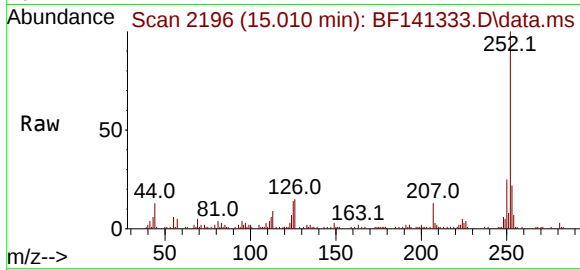
Acq: 31 Jan 2025 15:39

Instrument :

BNA_F

ClientSampleId :

VNJ-236



Tgt Ion:252 Resp: 66002

Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

125 13.5 8.4 12.6#

