

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101123\
 Data File : BF135715.D
 Acq On : 11 Oct 2023 16:11
 Operator : CG\JU
 Sample : 04817-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-241

Quant Time: Oct 12 00:48:28 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 02:43:17 2023
 Response via : Initial Calibration

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

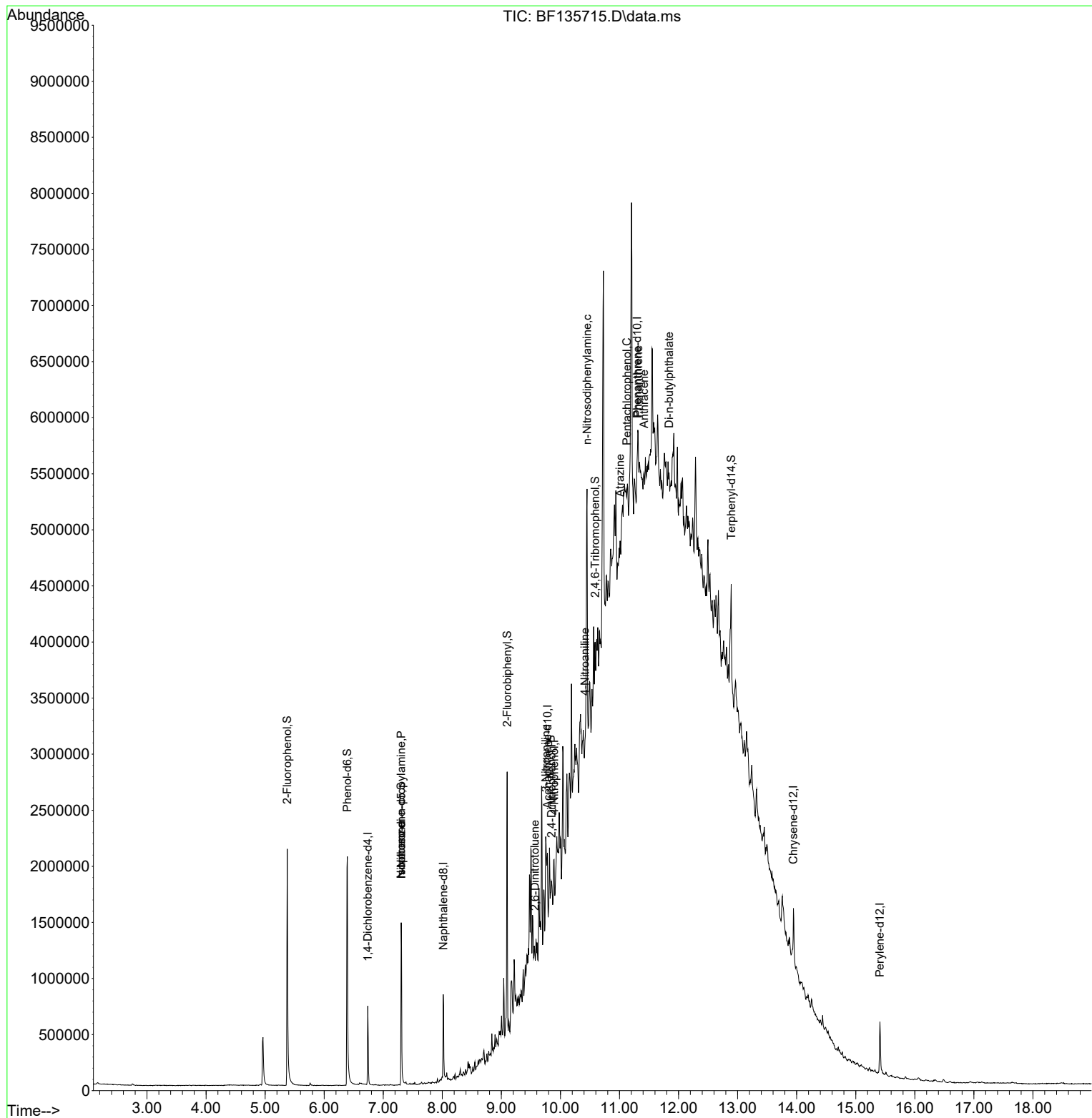
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	98357	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	345990	20.000	ng	# 0.00
39) Acenaphthene-d10	9.780	164	118383	20.000	ng	0.00
64) Phenanthrene-d10	11.298	188	118520	20.000	ng	# 0.02
76) Chrysene-d12	13.945	240	153257	20.000	ng	0.00
86) Perylene-d12	15.409	264	213854	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	617014	102.030	ng	0.00
7) Phenol-d6	6.392	99	776044	100.922	ng	0.00
23) Nitrobenzene-d5	7.304	82	455279	71.491	ng	0.00
42) 2,4,6-Tribromophenol	10.586	330	96968	82.425	ng	0.01
45) 2-Fluorobiphenyl	9.098	172	686052	87.433	ng	0.00
79) Terphenyl-d14	12.892	244	430180	43.513	ng	0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	60397	12.681	ng	# 82
25) Isophorone	7.304	82	455274	38.932	ng	# 65
51) 2,6-Dinitrotoluene	9.569	165	5270	3.006	ng	# 37
53) 3-Nitroaniline	9.751	138	6095	2.961	ng	# 29
54) 2,4-Dinitrophenol	9.851	184	279	6.506	ng	# 1
56) 4-Nitrophenol	9.892	139	3626	2.772	ng	# 1
62) 4-Nitroaniline	10.416	138	4699	2.375	ng	76
66) n-Nitrosodiphenylamine	10.451	169	55947	15.592	ng	# 49
69) Atrazine	11.010	200	3352	3.472	ng	# 1
70) Pentachlorophenol	11.127	266	4168	5.801	ng	# 47
71) Phenanthrene	11.322	178	29205	5.210	ng	# 18
72) Anthracene	11.416	178	22310	3.872	ng	# 1
74) Di-n-butylphthalate	11.839	149	24624	3.984	ng	# 28

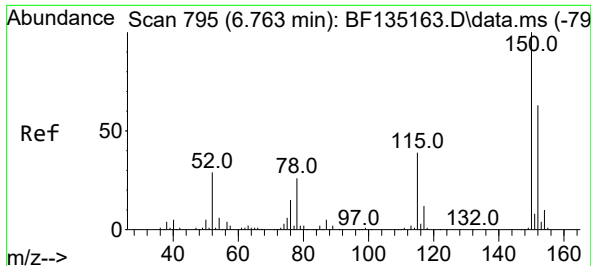
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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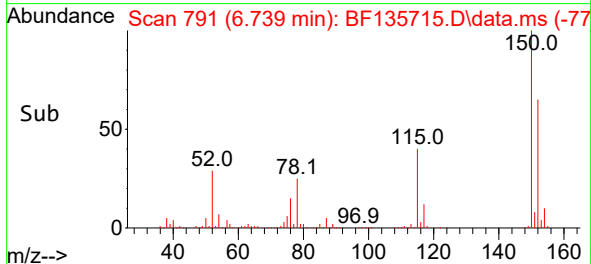
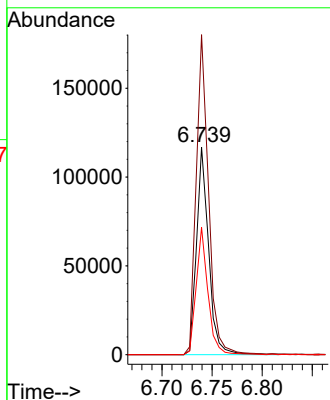
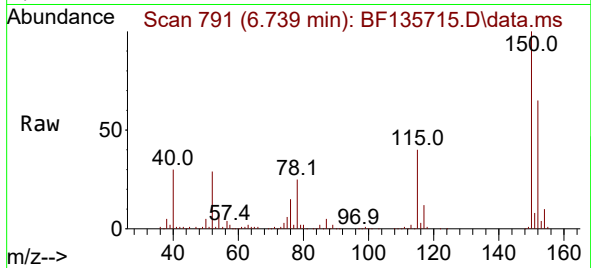




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135715.D
Acq: 11 Oct 2023 16:11

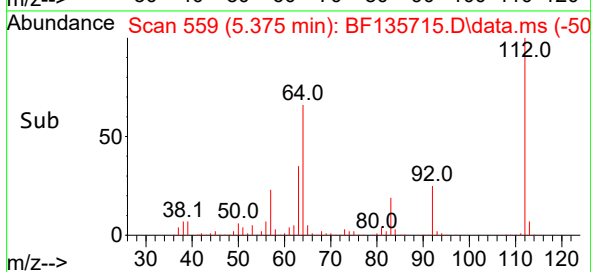
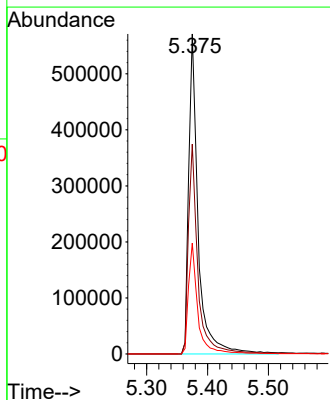
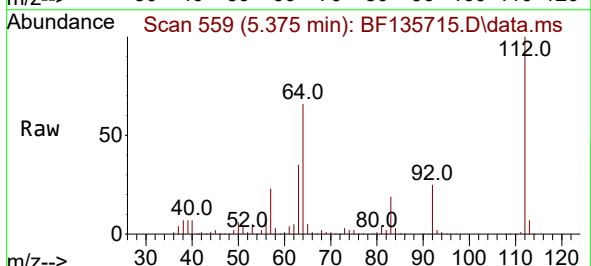
Instrument :
BNA_F
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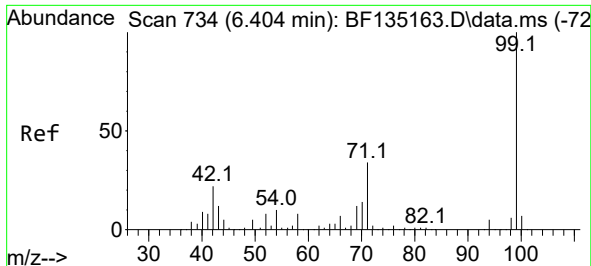
Tgt Ion:152 Resp: 98357
Ion Ratio Lower Upper
152 100
150 154.2 127.8 191.6
115 61.4 49.8 74.8



#5
2-Fluorophenol
Concen: 102.030 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.006 min
Lab File: BF135715.D
Acq: 11 Oct 2023 16:11

Tgt Ion:112 Resp: 617014
Ion Ratio Lower Upper
112 100
64 65.6 55.9 83.9
63 34.7 29.0 43.6

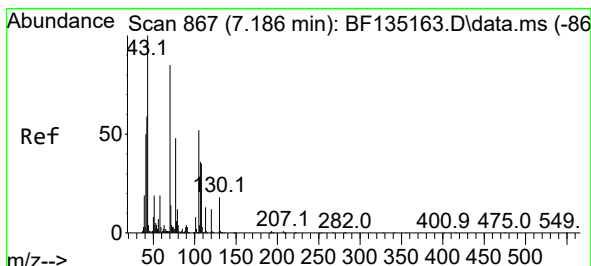
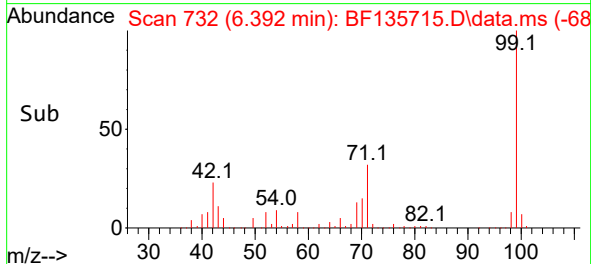
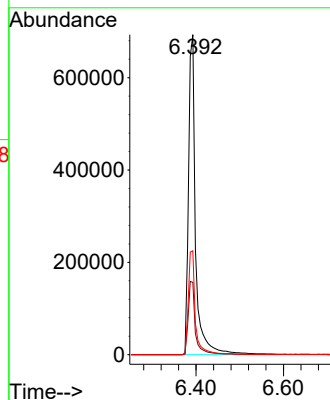
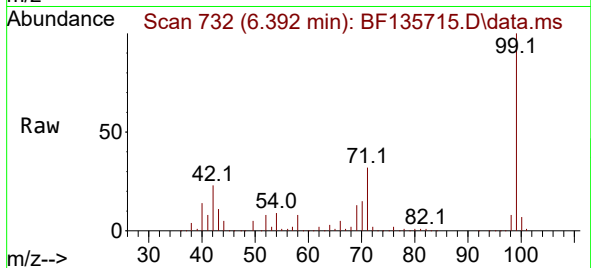




#7
Phenol-d6
Concen: 100.922 ng
RT: 6.392 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135715.D
Acq: 11 Oct 2023 16:11

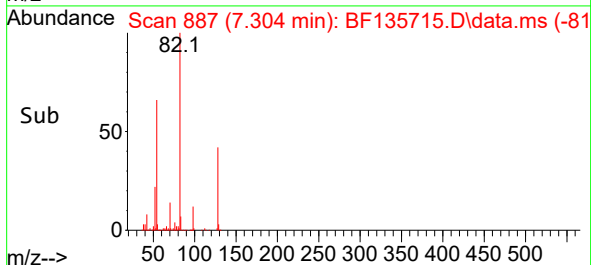
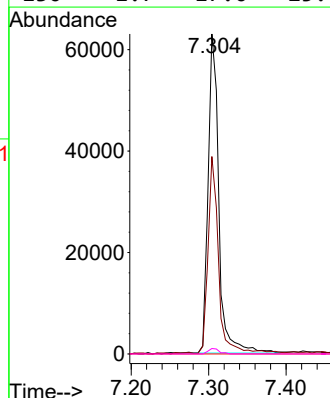
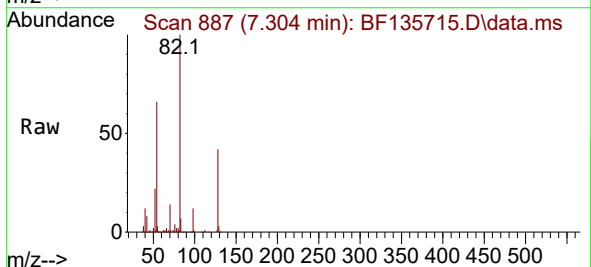
Instrument :
BNA_F
ClientSampleId :
VNJ-241

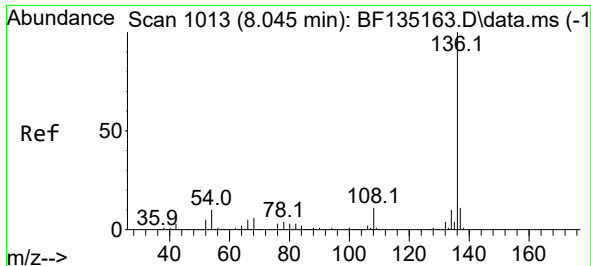
Tgt Ion: 99 Resp: 776044
Ion Ratio Lower Upper
99 100
42 22.6 17.9 26.9
71 32.4 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 12.681 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.147 min
Lab File: BF135715.D
Acq: 11 Oct 2023 16:11

Tgt Ion: 70 Resp: 60397
Ion Ratio Lower Upper
70 100
42 61.7 55.4 83.0
101 0.0 7.7 11.5#
130 1.7 17.0 25.6#

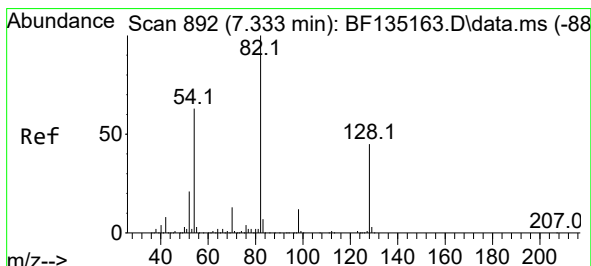
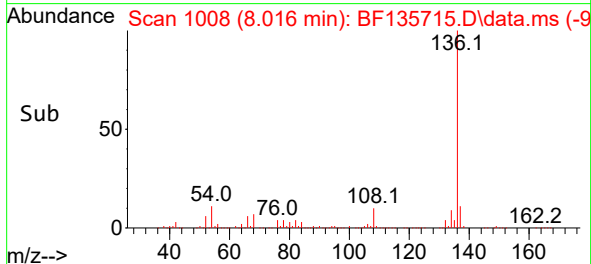
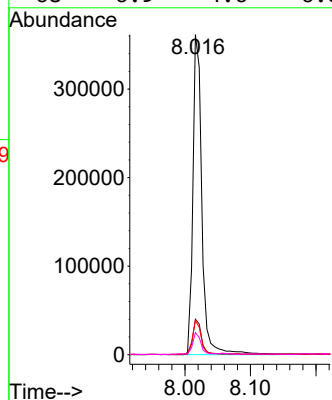
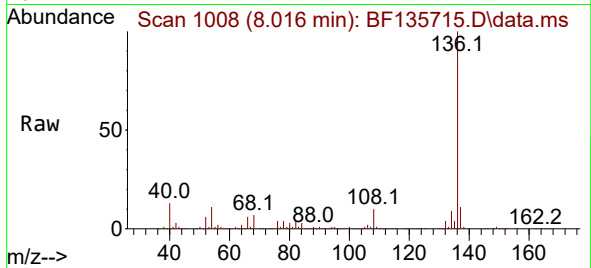




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF135715.D
Acq: 11 Oct 2023 16:11

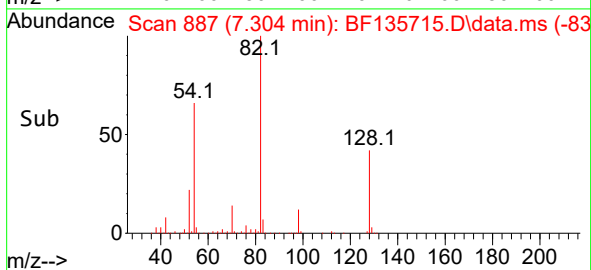
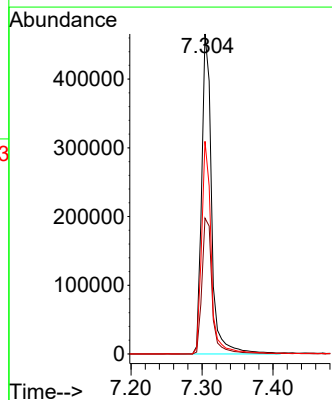
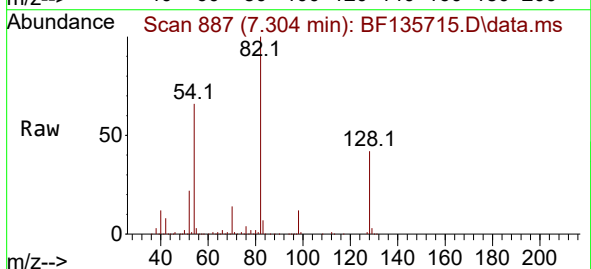
Instrument :
BNA_F
ClientSampleId :
VNJ-241

Tgt Ion:136 Resp: 345990
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 10.7 7.7 11.5
68 6.9 4.6 6.8#



#23
Nitrobenzene-d5
Concen: 71.491 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF135715.D
Acq: 11 Oct 2023 16:11

Tgt Ion: 82 Resp: 455279
Ion Ratio Lower Upper
82 100
128 42.5 35.8 53.6
54 66.4 50.6 76.0

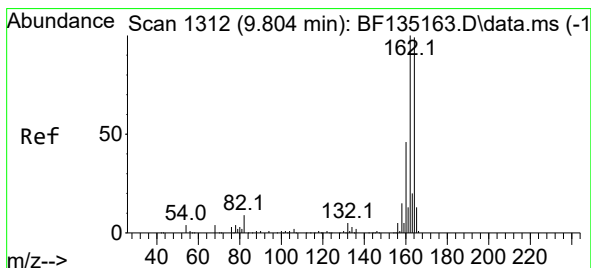
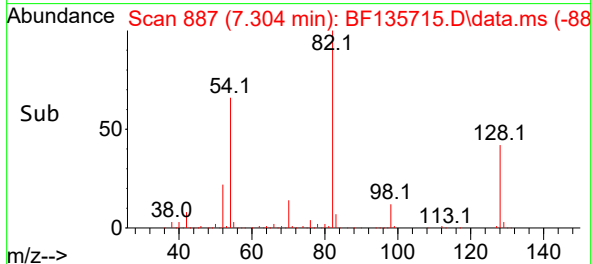
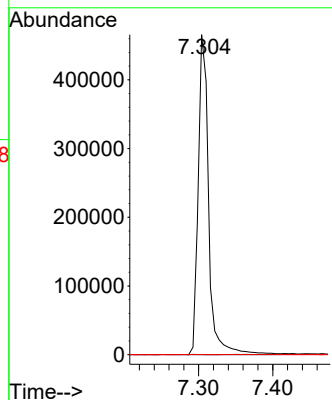
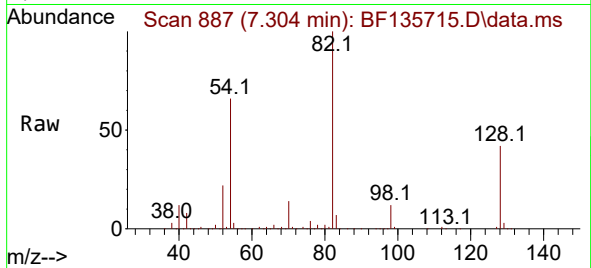




#25
Isophorone
Concen: 38.932 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135715.D
Acq: 11 Oct 2023 16:11

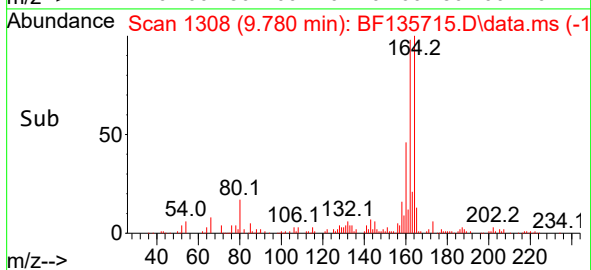
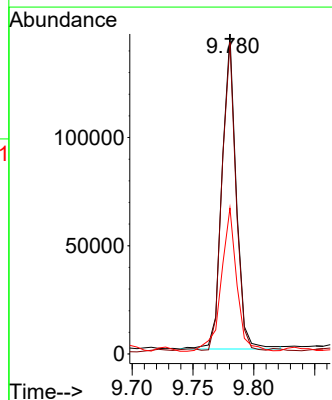
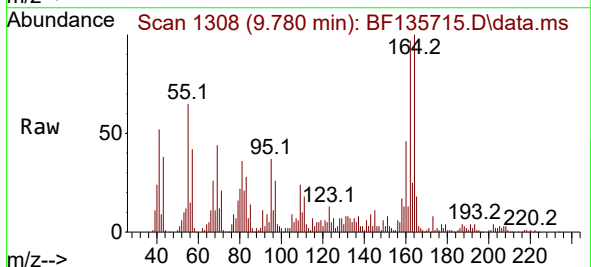
Instrument :
BNA_F
ClientSampleId :
VNJ-241

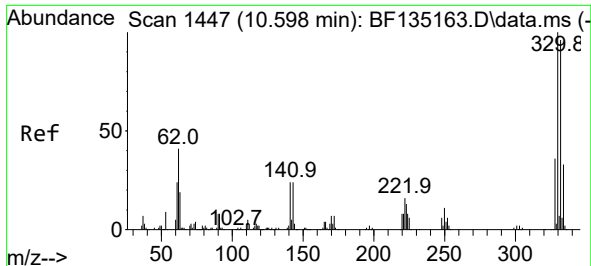
Tgt Ion: 82 Resp: 455274
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.780 min Scan# 1308
Delta R.T. -0.000 min
Lab File: BF135715.D
Acq: 11 Oct 2023 16:11

Tgt Ion:164 Resp: 118383
Ion Ratio Lower Upper
164 100
162 97.4 81.0 121.4
160 45.6 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 82.425 ng

RT: 10.586 min Scan# 1445

Delta R.T. 0.012 min

Lab File: BF135715.D

Acq: 11 Oct 2023 16:11

Instrument :

BNA_F

ClientSampleId :

VNJ-241

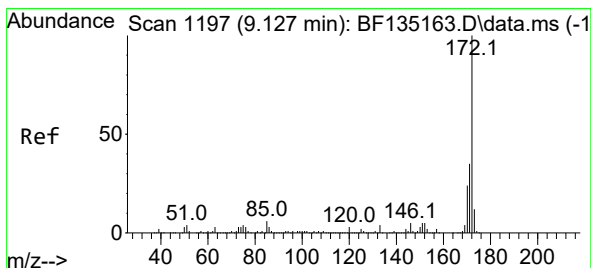
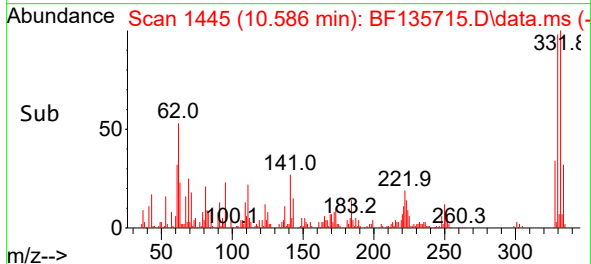
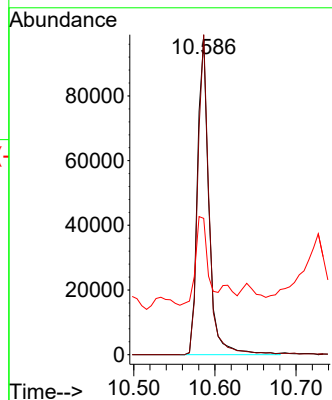
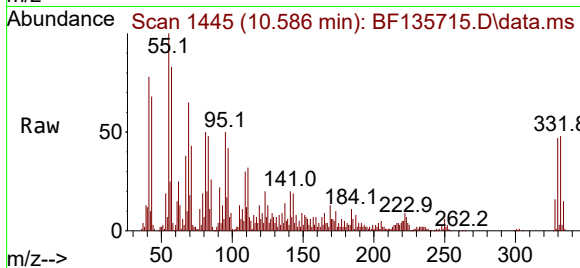
Tgt Ion:330 Resp: 96968

Ion Ratio Lower Upper

330 100

332 98.6 77.3 115.9

141 30.0 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 87.433 ng

RT: 9.098 min Scan# 1192

Delta R.T. -0.000 min

Lab File: BF135715.D

Acq: 11 Oct 2023 16:11

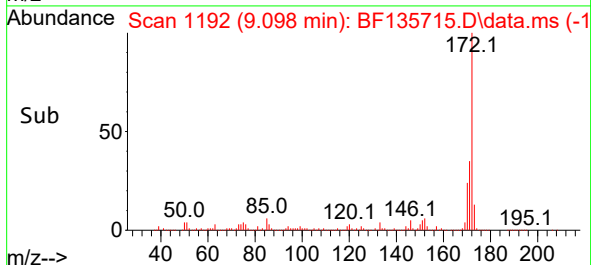
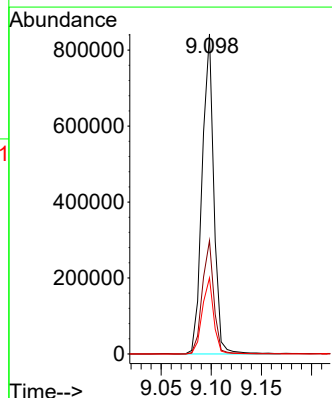
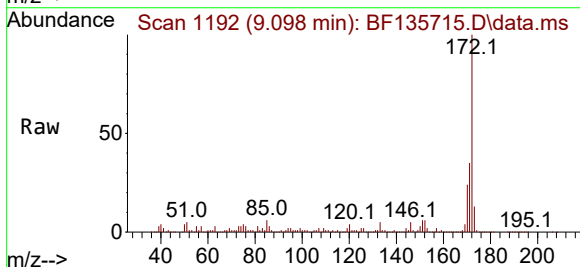
Tgt Ion:172 Resp: 686052

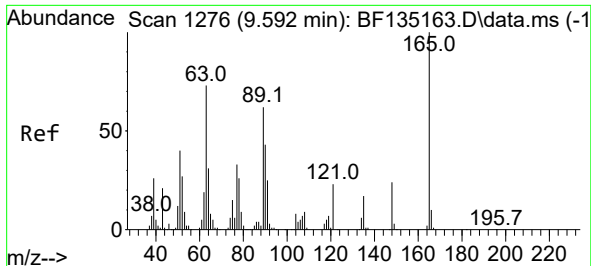
Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

170 23.7 19.0 28.4

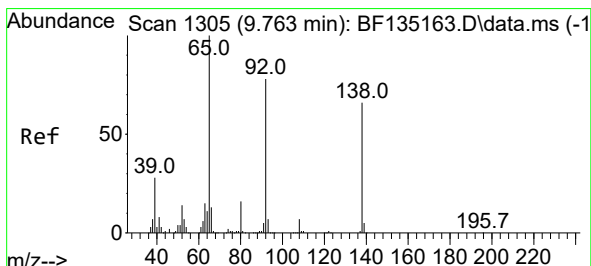
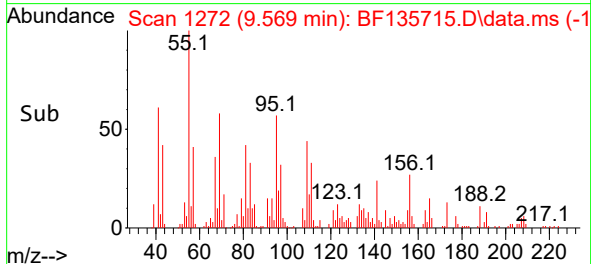
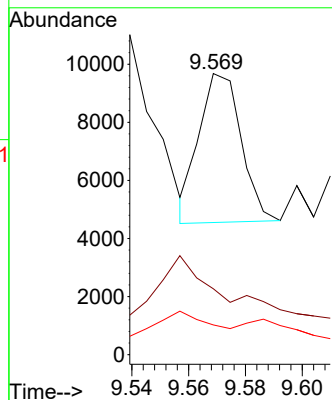
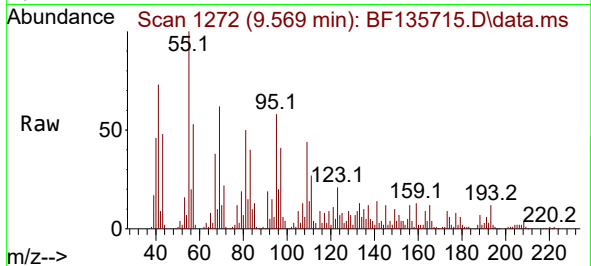




#51
2,6-Dinitrotoluene
Concen: 3.006 ng
RT: 9.569 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135715.D
Acq: 11 Oct 2023 16:11

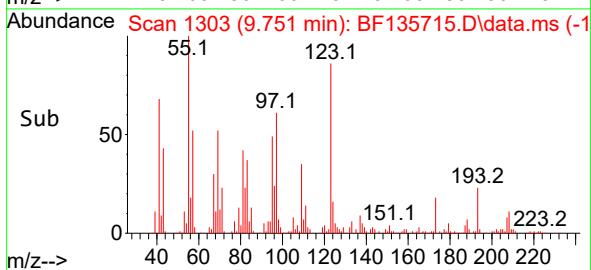
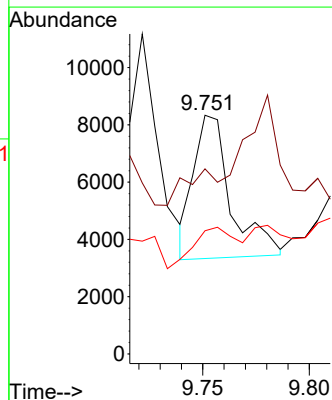
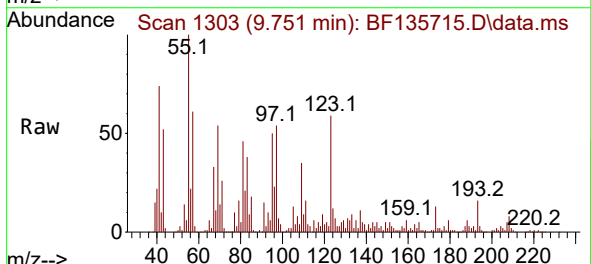
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VNJ-241

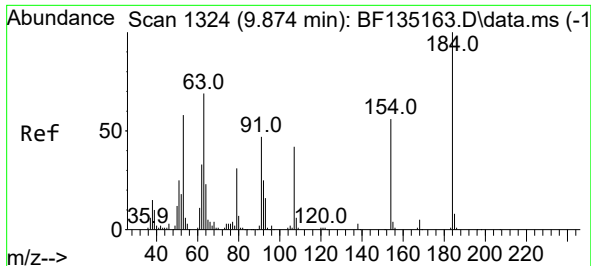
Tgt Ion:165 Resp: 5270
Ion Ratio Lower Upper
165 100
63 23.4 59.4 89.2#
89 10.6 49.8 74.8#



#53
3-Nitroaniline
Concen: 2.961 ng
RT: 9.751 min Scan# 1303
Delta R.T. -0.000 min
Lab File: BF135715.D
Acq: 11 Oct 2023 16:11

Tgt Ion:138 Resp: 6095
Ion Ratio Lower Upper
138 100
108 77.5 8.5 12.7#
92 51.6 95.4 143.0#

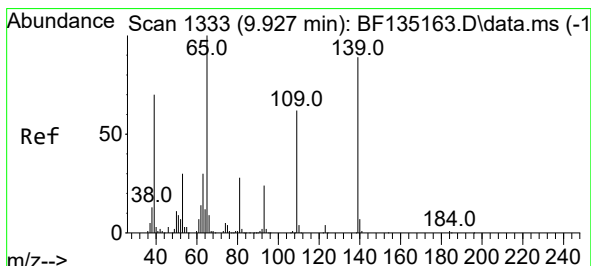
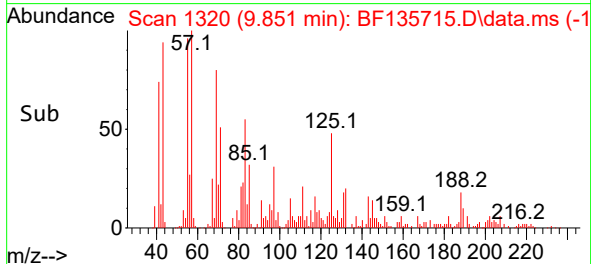
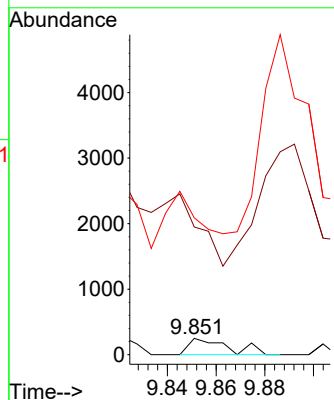
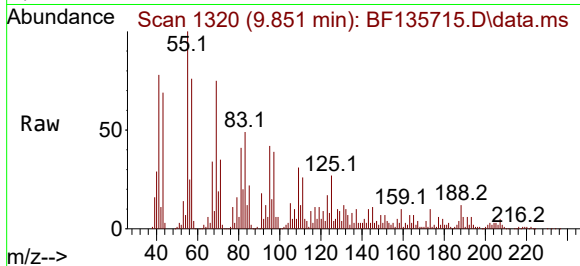




#54
2,4-Dinitrophenol
Concen: 6.506 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.024 min
Lab File: BF135715.D
Acq: 11 Oct 2023 16:11

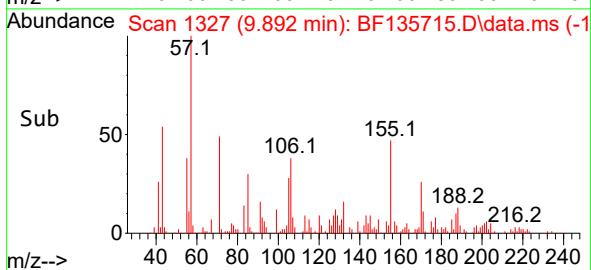
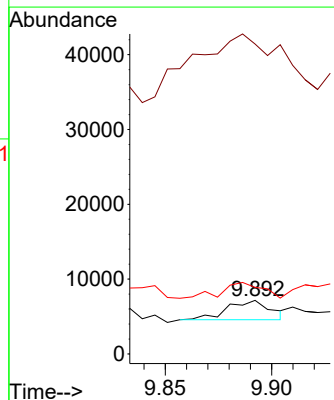
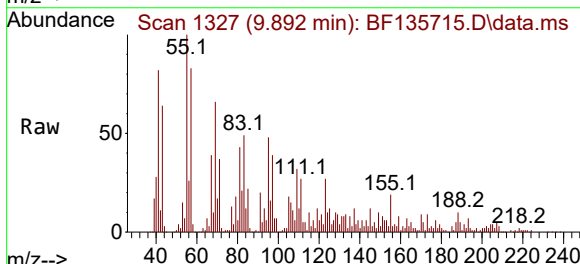
Instrument :
BNA_F
ClientSampleId :
VNJ-241

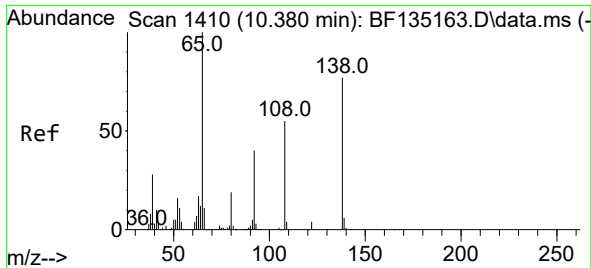
Tgt Ion:184 Resp: 279
Ion Ratio Lower Upper
184 100
63 782.7 55.1 82.7#
154 838.6 48.4 72.6#



#56
4-Nitrophenol
Concen: 2.772 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.047 min
Lab File: BF135715.D
Acq: 11 Oct 2023 16:11

Tgt Ion:139 Resp: 3626
Ion Ratio Lower Upper
139 100
109 578.4 49.8 89.8#
65 124.3 92.7 132.7

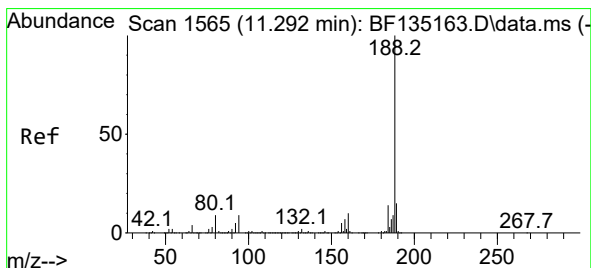
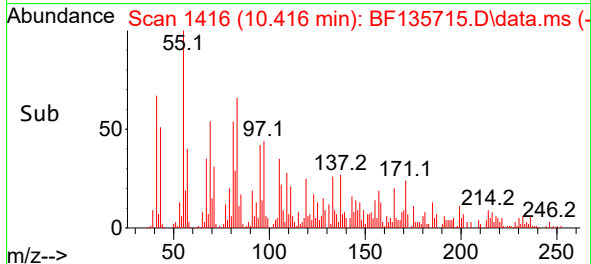
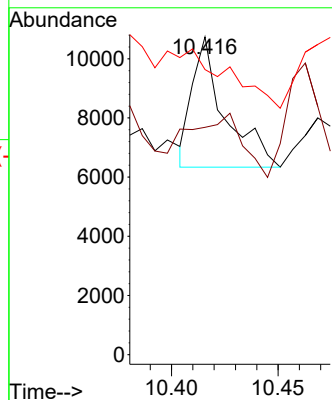
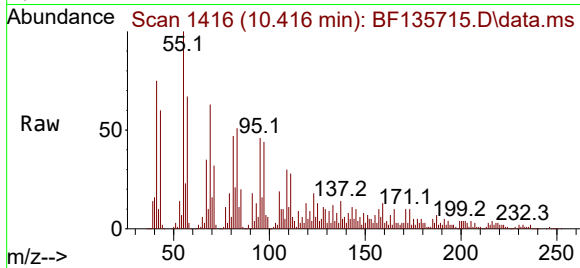




#62
4-Nitroaniline
Concen: 2.375 ng
RT: 10.416 min Scan# 1410
Delta R.T. 0.047 min
Lab File: BF135715.D
Acq: 11 Oct 2023 16:11

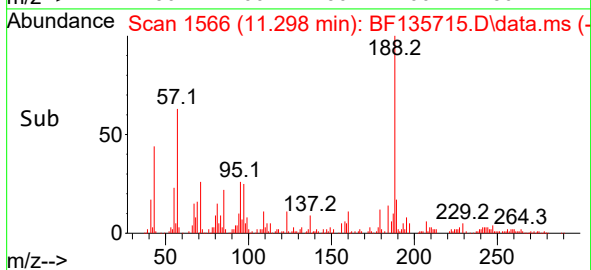
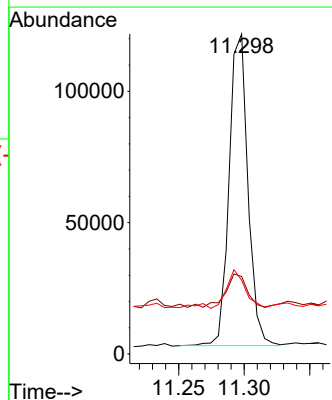
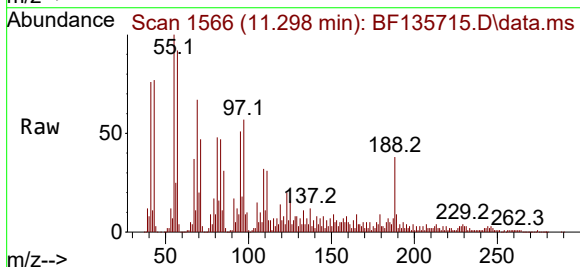
Instrument :
BNA_F
ClientSampleId :
VNJ-241

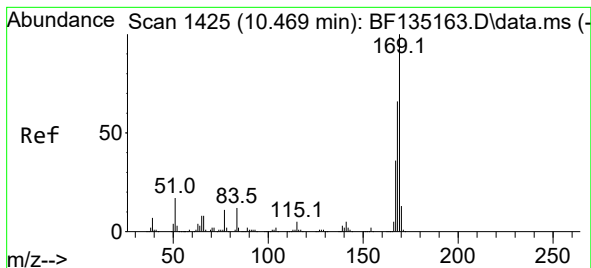
Tgt Ion:138 Resp: 4699
Ion Ratio Lower Upper
138 100
92 71.5 31.8 71.8
108 89.7 52.0 92.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1566
Delta R.T. 0.023 min
Lab File: BF135715.D
Acq: 11 Oct 2023 16:11

Tgt Ion:188 Resp: 118520
Ion Ratio Lower Upper
188 100
94 24.2 7.0 10.6#
80 23.1 7.5 11.3#

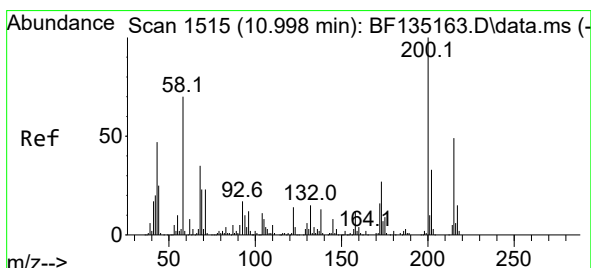
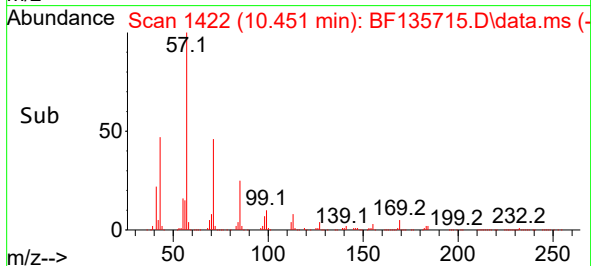
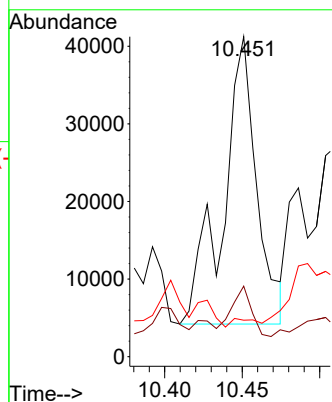
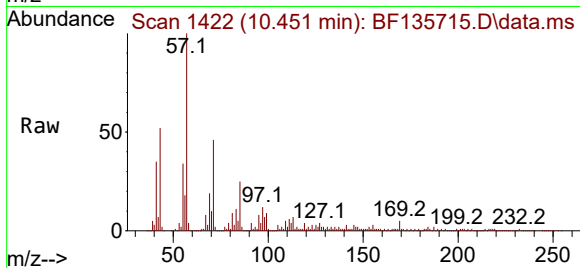




#66
n-Nitrosodiphenylamine
Concen: 15.592 ng
RT: 10.451 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF135715.D
Acq: 11 Oct 2023 16:11

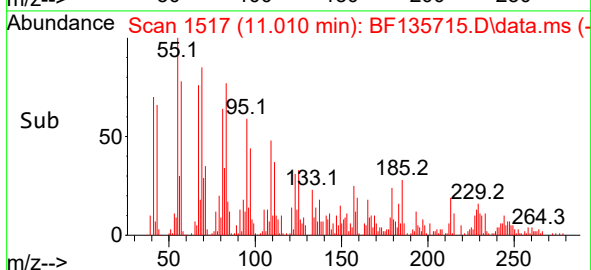
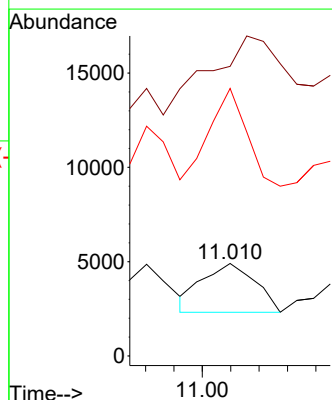
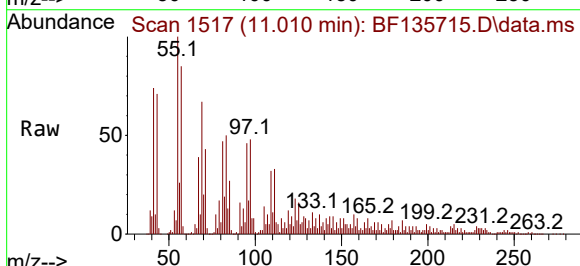
Instrument :
BNA_F
ClientSampleId :
VNJ-241

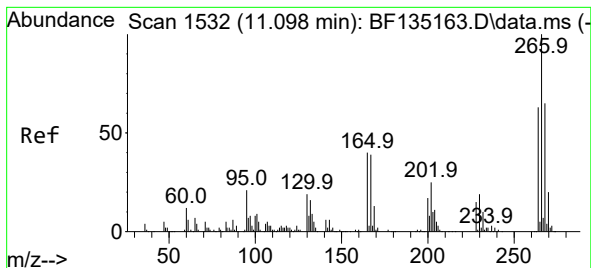
Tgt Ion:169 Resp: 55947
Ion Ratio Lower Upper
169 100
168 22.1 52.8 79.2#
167 11.4 29.0 43.6#



#69
Atrazine
Concen: 3.472 ng
RT: 11.010 min Scan# 1517
Delta R.T. 0.029 min
Lab File: BF135715.D
Acq: 11 Oct 2023 16:11

Tgt Ion:200 Resp: 3352
Ion Ratio Lower Upper
200 100
173 312.8 7.4 47.4#
215 289.0 28.6 68.6#





#70

Pentachlorophenol

Concen: 5.801 ng

RT: 11.127 min Scan# 1

Delta R.T. 0.041 min

Lab File: BF135715.D

Acq: 11 Oct 2023 16:11

Instrument :

BNA_F

ClientSampleId :

VNJ-241

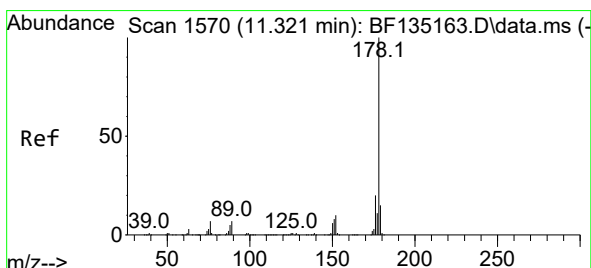
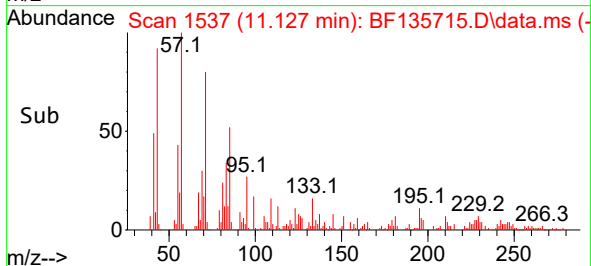
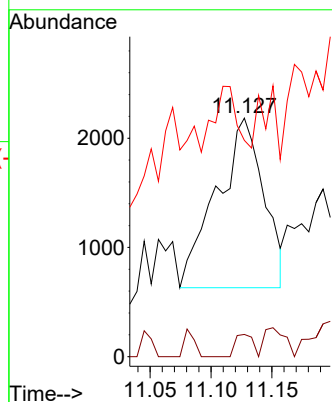
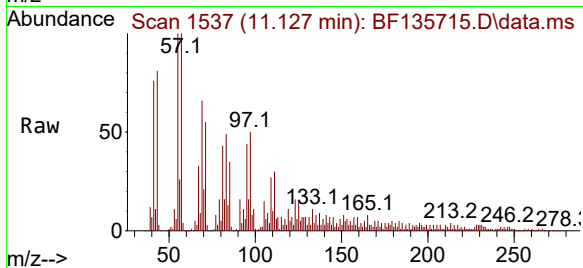
Tgt Ion:266 Resp: 4168

Ion Ratio Lower Upper

266 100

268 9.3 52.1 78.1#

264 90.7 50.8 76.2#



#71

Phenanthrene

Concen: 5.210 ng

RT: 11.322 min Scan# 1570

Delta R.T. 0.023 min

Lab File: BF135715.D

Acq: 11 Oct 2023 16:11

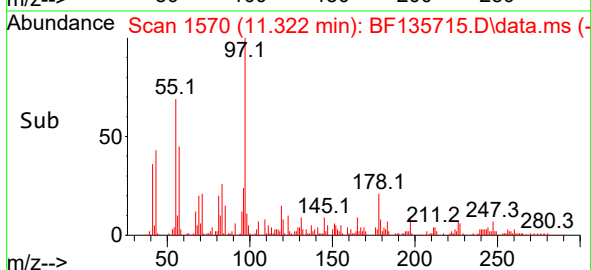
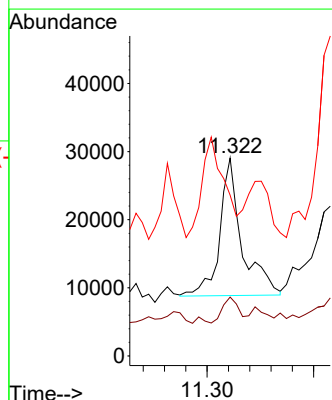
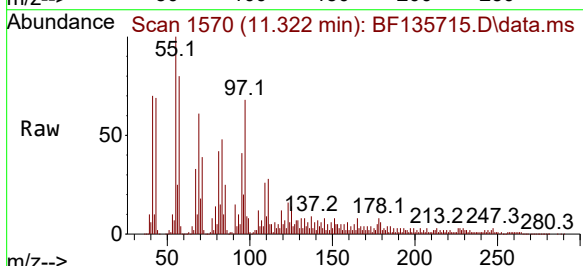
Tgt Ion:178 Resp: 29205

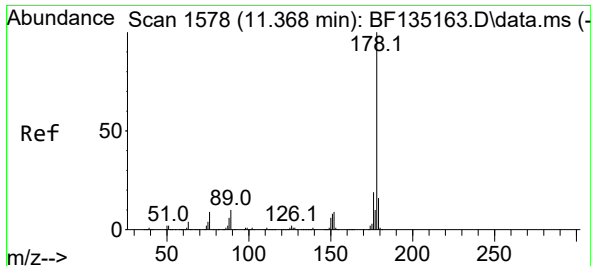
Ion Ratio Lower Upper

178 100

176 29.7 15.6 23.4#

179 81.2 12.0 18.0#

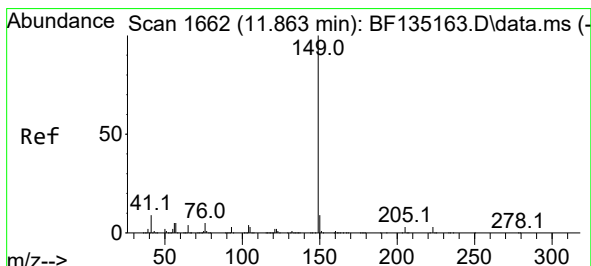
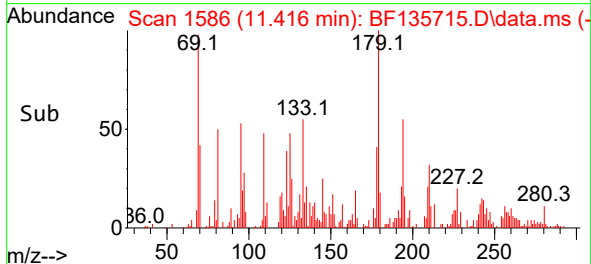
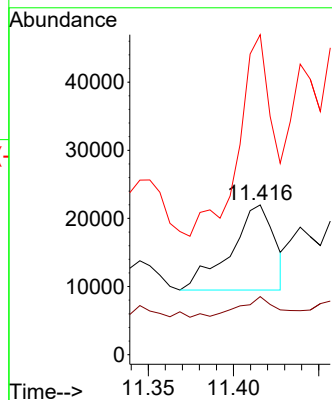
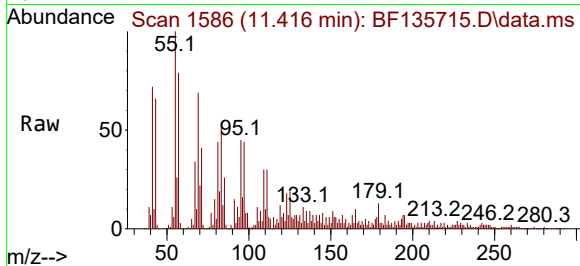




#72
 Anthracene
 Concen: 3.872 ng
 RT: 11.416 min Scan# 11
 Delta R.T. 0.065 min
 Lab File: BF135715.D
 Acq: 11 Oct 2023 16:11

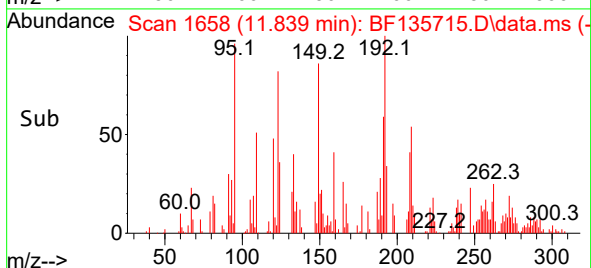
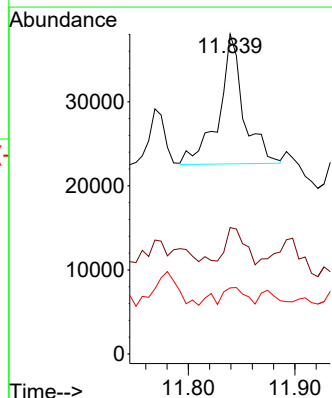
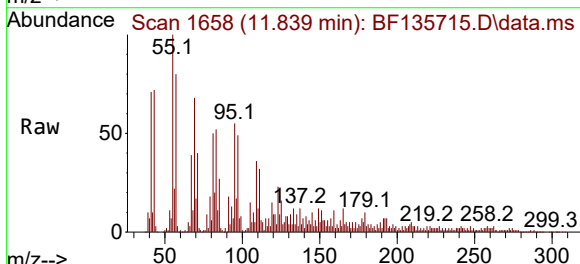
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-241

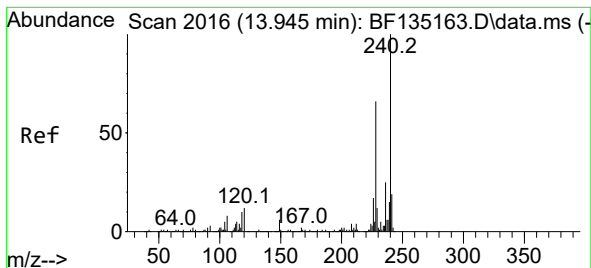
Tgt Ion:178 Resp: 22310
 Ion Ratio Lower Upper
 178 100
 176 38.8 15.4 23.2#
 179 213.6 12.6 19.0#



#74
 Di-n-butylphthalate
 Concen: 3.984 ng
 RT: 11.839 min Scan# 1658
 Delta R.T. -0.000 min
 Lab File: BF135715.D
 Acq: 11 Oct 2023 16:11

Tgt Ion:149 Resp: 24624
 Ion Ratio Lower Upper
 149 100
 150 39.5 7.4 11.0#
 104 20.7 3.6 5.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.945 min Scan# 2016

Delta R.T. 0.006 min

Lab File: BF135715.D

Acq: 11 Oct 2023 16:11

Instrument :

BNA_F

ClientSampleId :

VNJ-241

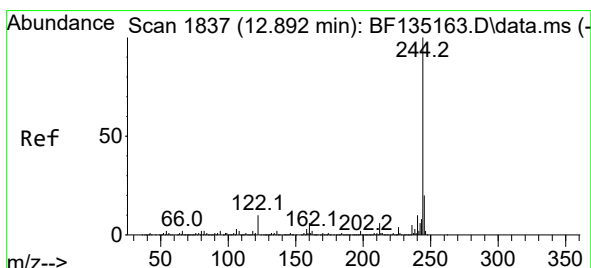
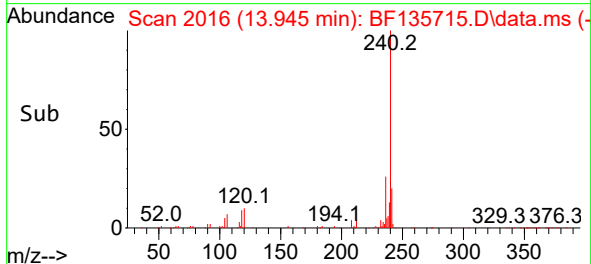
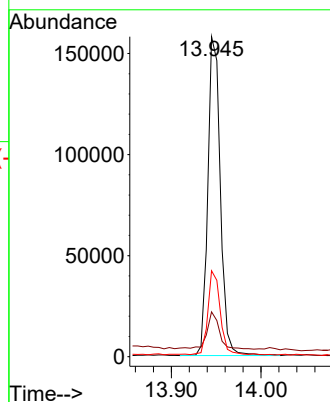
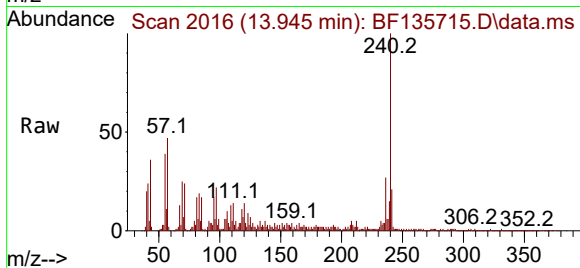
Tgt Ion:240 Resp: 153257

Ion Ratio Lower Upper

240 100

120 14.0 9.4 14.2

236 26.8 19.8 29.8



#79

Terphenyl-d14

Concen: 43.513 ng

RT: 12.892 min Scan# 1837

Delta R.T. 0.023 min

Lab File: BF135715.D

Acq: 11 Oct 2023 16:11

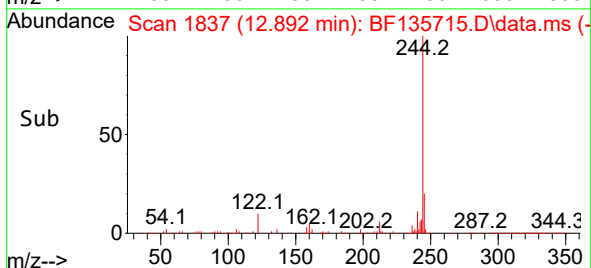
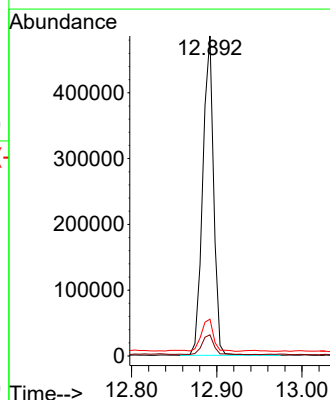
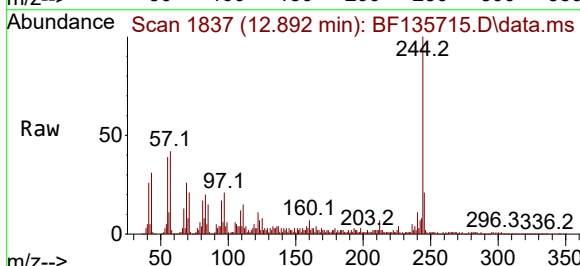
Tgt Ion:244 Resp: 430180

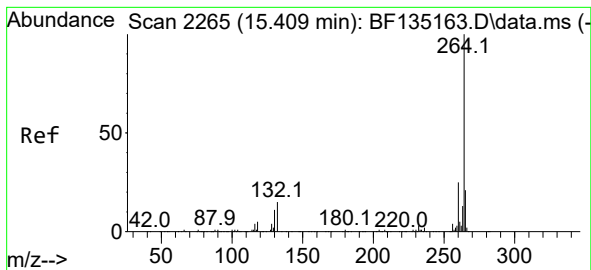
Ion Ratio Lower Upper

244 100

212 6.6 5.1 7.7

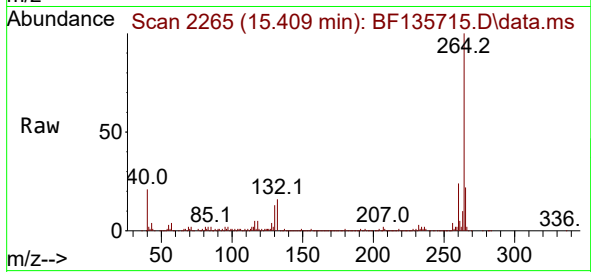
122 11.5 7.9 11.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.409 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF135715.D
Acq: 11 Oct 2023 16:11

Instrument :
BNA_F
ClientSampleId :
VNJ-241



Tgt Ion:264 Resp: 213854

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.8	29.6
265	21.8	17.0	25.4

