

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072821\
 Data File : BF124839.D
 Acq On : 28 Jul 2021 21:32
 Operator : JU/CG
 Sample : M3205-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-211

Quant Time: Jul 29 02:11:42 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 22 15:28:57 2021
 Response via : Initial Calibration

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

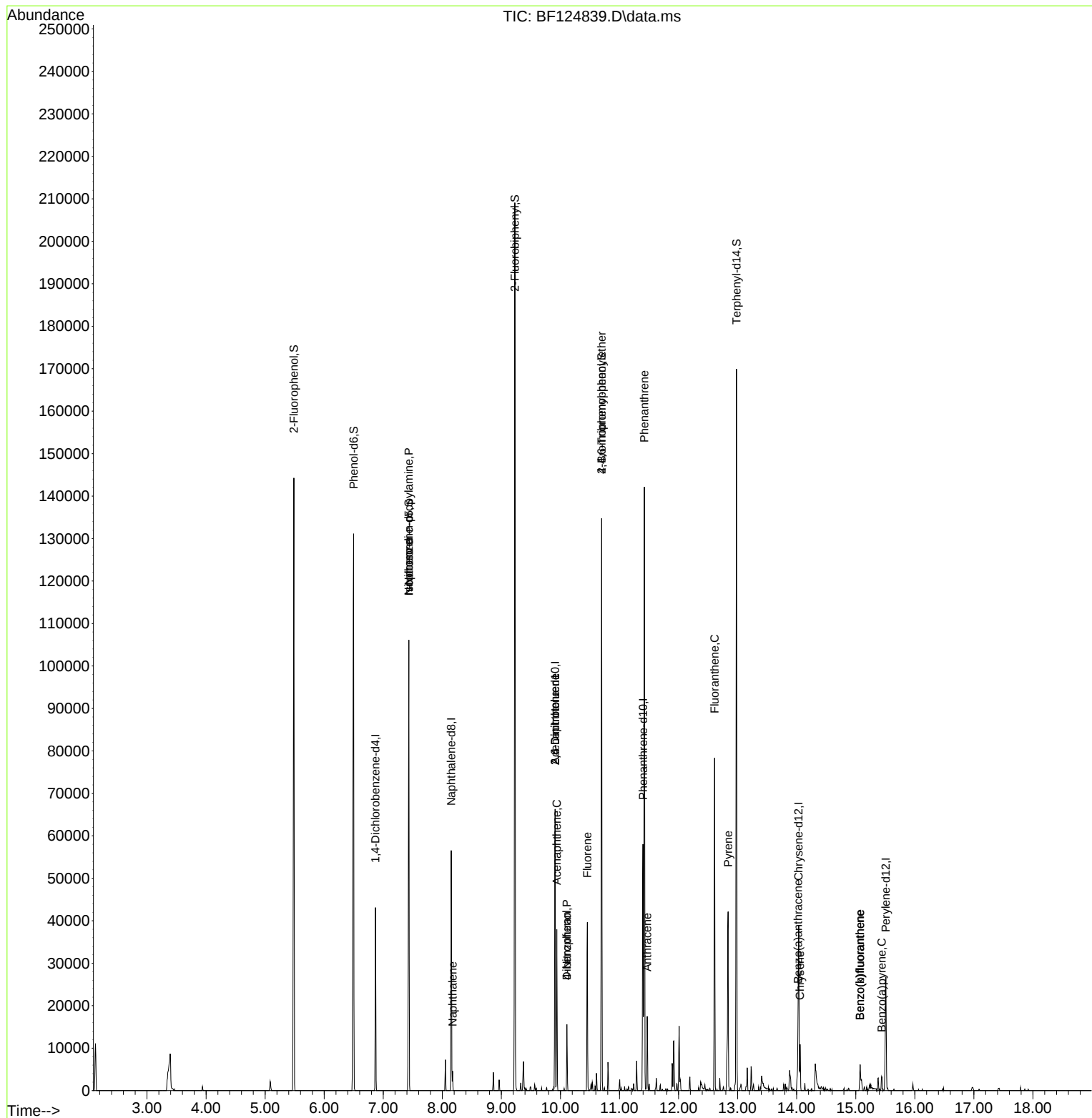
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	5963	20.00	ng	0.00
21) Naphthalene-d8	8.151	136	22685	20.00	ng	0.00
39) Acenaphthene-d10	9.910	164	13374	20.00	ng	0.00
64) Phenanthrene-d10	11.398	188	22038	20.00	ng	0.00
76) Chrysene-d12	14.033	240	13500	20.00	ng	# 0.00
86) Perylene-d12	15.509	264	13786	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	36730	104.29	ng	0.00
7) Phenol-d6	6.498	99	44503	100.80	ng	0.00
23) Nitrobenzene-d5	7.433	82	29097	76.34	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	12074	105.15	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	60399	66.33	ng	0.00
79) Terphenyl-d14	12.980	244	53851	68.38	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.433	70	3319	14.08	ng	# 77
25) Isophorone	7.433	82	29096	43.17	ng	# 59
31) Naphthalene	8.175	128	2397	2.02	ng	# 93
51) 2,6-Dinitrotoluene	9.910	165	1646	8.09	ng	# 26
52) Acenaphthene	9.939	154	7281	9.01	ng	92
55) Dibenzofuran	10.110	168	6365	5.51	ng	96
56) 4-Nitrophenol	10.110	139	2512	14.86	ng	# 10
57) 2,4-Dinitrotoluene	9.910	165	1646	5.96	ng	# 18
58) Fluorene	10.457	166	11197	12.64	ng	94
67) 4-Bromophenyl-phenylether	10.698	248	978	4.18	ng	# 1
71) Phenanthrene	11.421	178	49574	41.82	ng	99
72) Anthracene	11.468	178	7314	6.17	ng	97
75) Fluoranthene	12.610	202	28821	23.83	ng	97
78) Pyrene	12.839	202	19455	18.20	ng	96
81) Benzo(a)anthracene	14.021	228	5432	6.16	ng	95
83) Chrysene	14.057	228	5094	5.99	ng	93
88) Benzo(b)fluoranthene	15.074	252	6070	6.25	ng	95
89) Benzo(k)fluoranthene	15.074	252	6070	6.84	ng	# 95
90) Benzo(a)pyrene	15.439	252	2479	3.06	ng	# 96

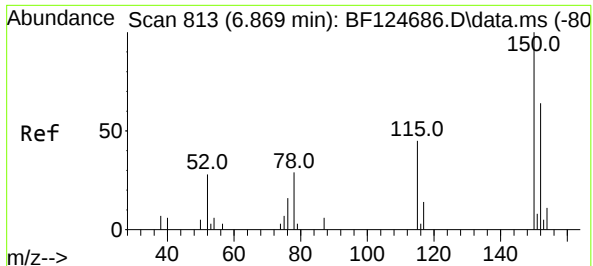
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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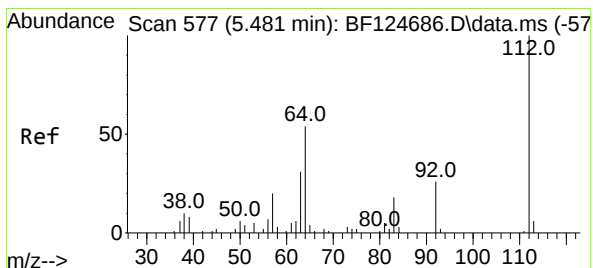
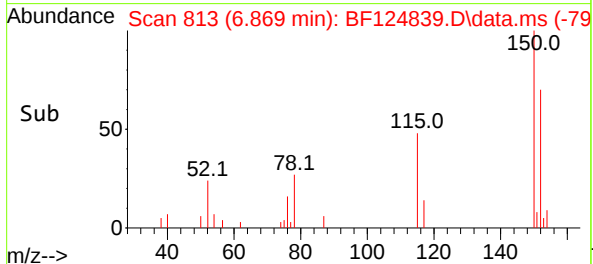
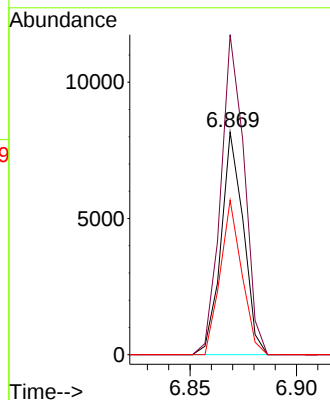
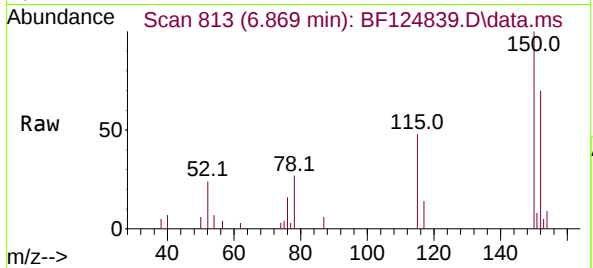




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF124839.D
Acq: 28 Jul 2021 21:32

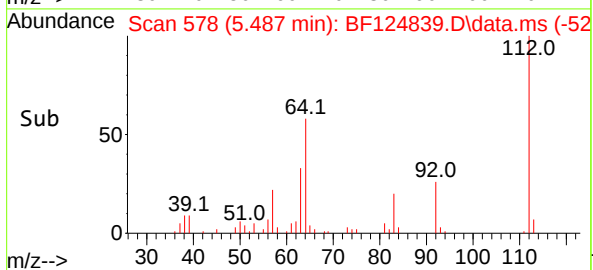
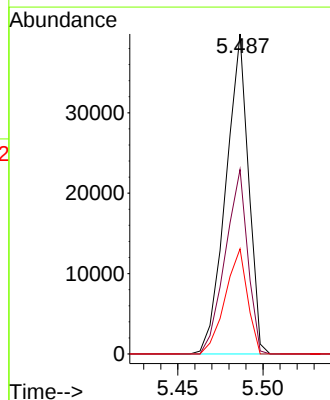
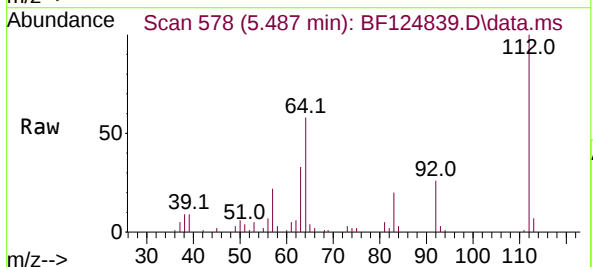
Instrument :
BNA_F
ClientSampled :
VNJ-211

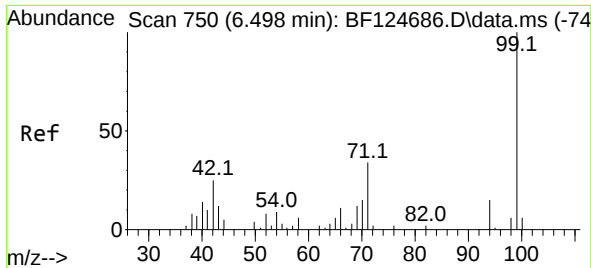
Tgt Ion:152 Resp: 5963
Ion Ratio Lower Upper
152 100
150 143.8 117.6 176.4
115 69.5 47.1 70.7



#5
2-Fluorophenol
Concen: 104.29 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF124839.D
Acq: 28 Jul 2021 21:32

Tgt Ion:112 Resp: 36730
Ion Ratio Lower Upper
112 100
64 57.7 44.2 66.2
63 32.9 26.2 39.2

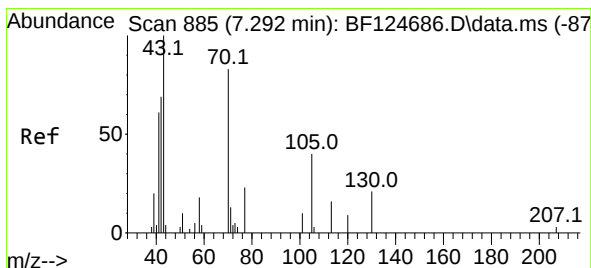
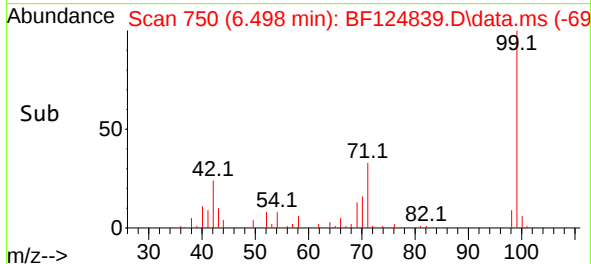
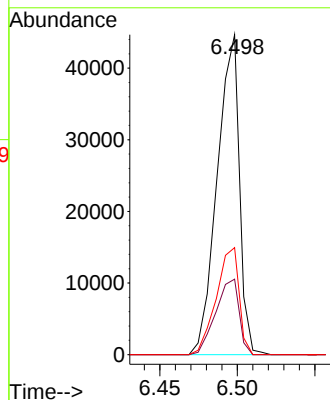
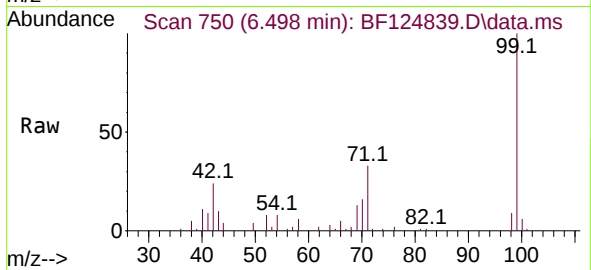




#7
Phenol-d6
Concen: 100.80 ng
RT: 6.498 min Scan# 750
Delta R.T. -0.000 min
Lab File: BF124839.D
Acq: 28 Jul 2021 21:32

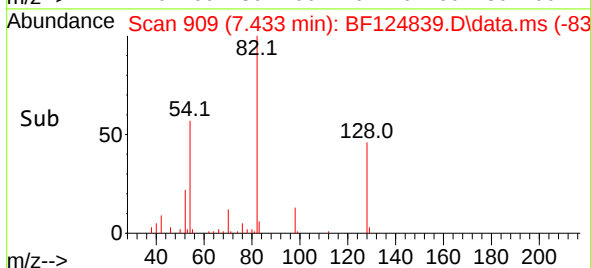
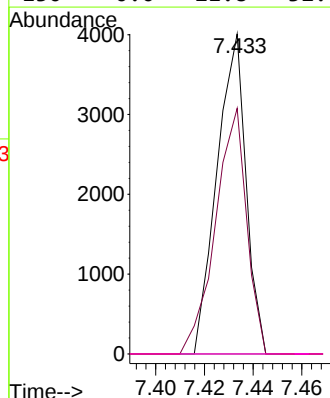
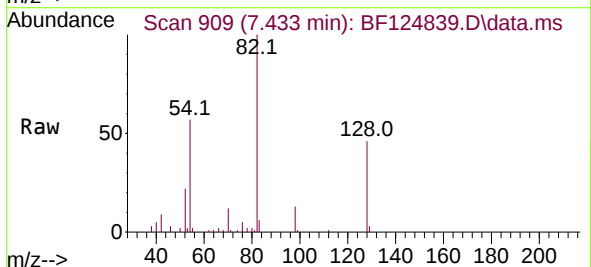
Instrument :
BNA_F
ClientSampleId :
VNJ-211

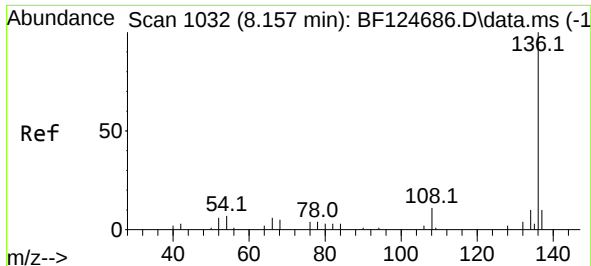
Tgt Ion:	99	Resp:	44503
Ion	Ratio	Lower	Upper
99	100		
42	23.6	23.5	35.3
71	33.4	25.6	38.4



#19
n-Nitroso-di-n-propylamine
Concen: 14.08 ng
RT: 7.433 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF124839.D
Acq: 28 Jul 2021 21:32

Tgt Ion:	70	Resp:	3319
Ion	Ratio	Lower	Upper
70	100		
42	76.8	72.2	108.2
101	0.0	7.8	11.8#
130	0.0	21.8	32.6#

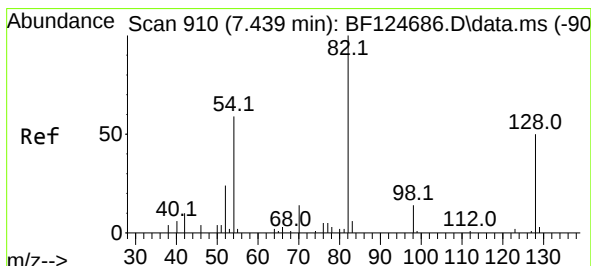
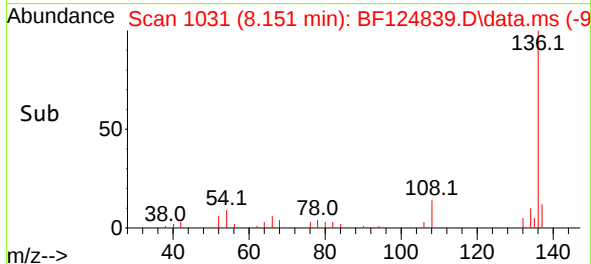
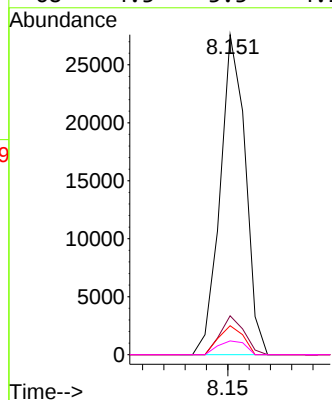
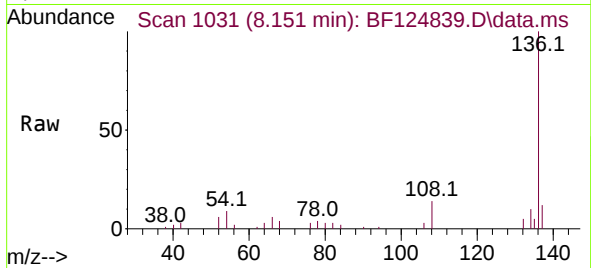




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF124839.D
Acq: 28 Jul 2021 21:32

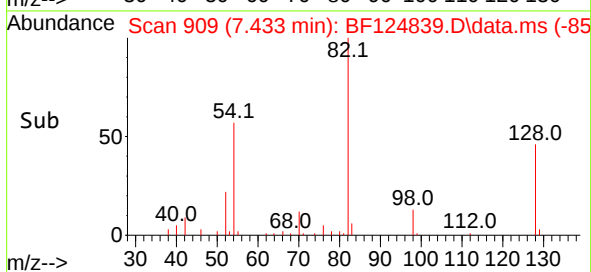
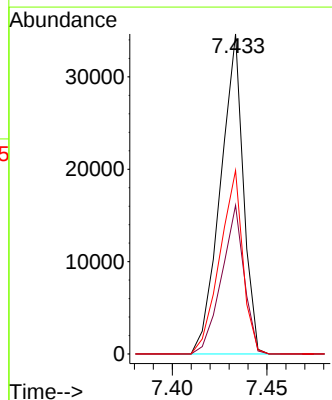
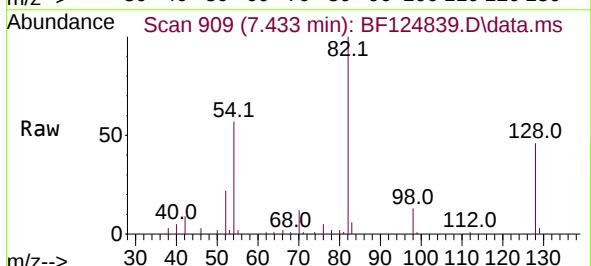
Instrument :
BNA_F
ClientSampleId :
VNJ-211

Tgt Ion:	136	Resp:	22685
Ion Ratio	Lower	Upper	
136	100		
137	12.2	9.8	14.6
54	9.1	6.4	9.6
68	4.3	3.3	4.9



#23
Nitrobenzene-d5
Concen: 76.34 ng
RT: 7.433 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF124839.D
Acq: 28 Jul 2021 21:32

Tgt Ion:	82	Resp:	29097
Ion Ratio	Lower	Upper	
82	100		
128	46.4	40.6	60.8
54	57.3	49.6	74.4

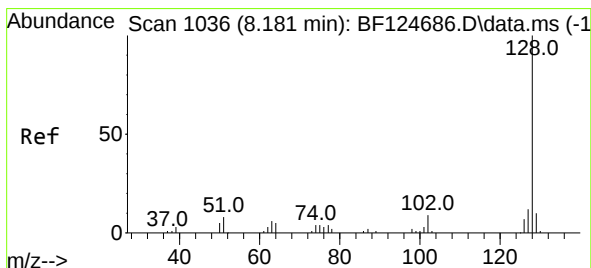
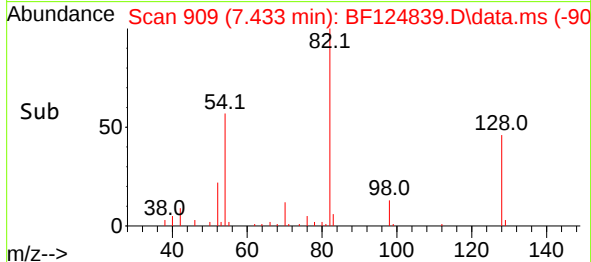
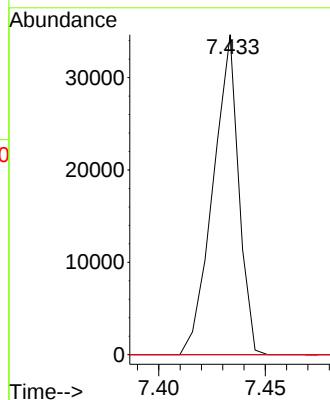
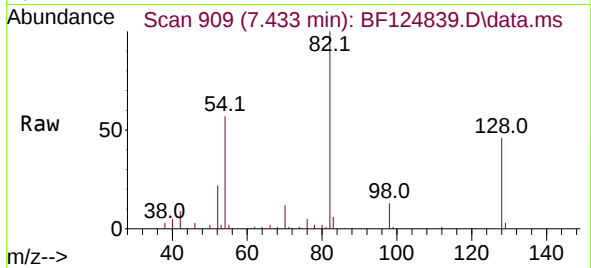




#25
Isophorone
Concen: 43.17 ng
RT: 7.433 min Scan# 909
Delta R.T. -0.265 min
Lab File: BF124839.D
Acq: 28 Jul 2021 21:32

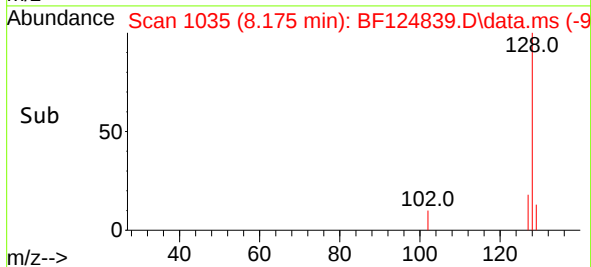
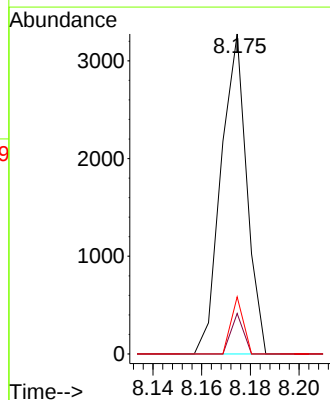
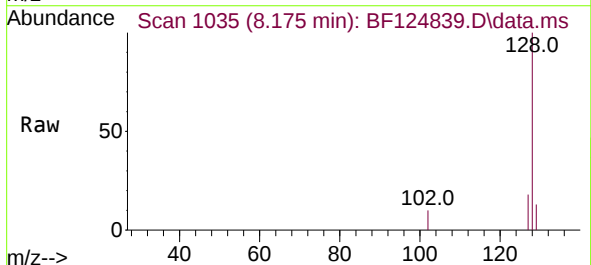
Instrument :
BNA_F
ClientSampleId :
VNJ-211

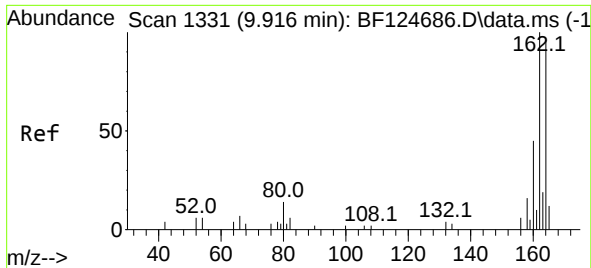
Tgt Ion: 82 Resp: 29096
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#31
Naphthalene
Concen: 2.02 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF124839.D
Acq: 28 Jul 2021 21:32

Tgt Ion: 128 Resp: 2397
Ion Ratio Lower Upper
128 100
129 12.7 9.4 14.0
127 17.9 10.9 16.3#

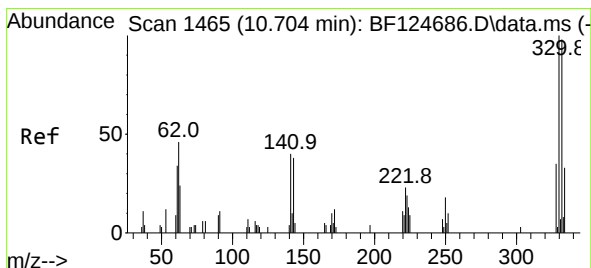
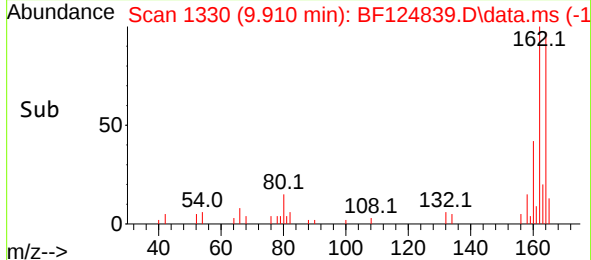
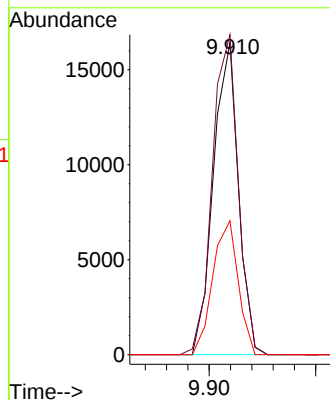
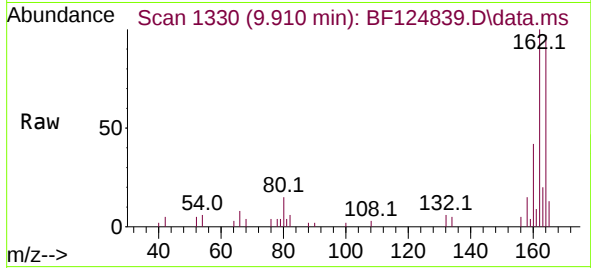




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF124839.D
Acq: 28 Jul 2021 21:32

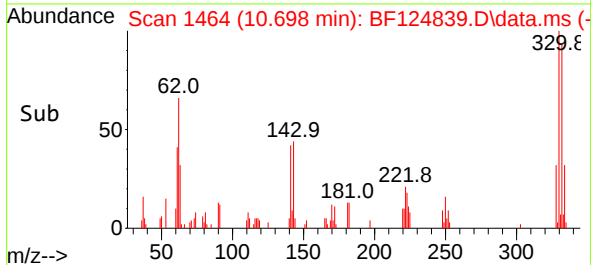
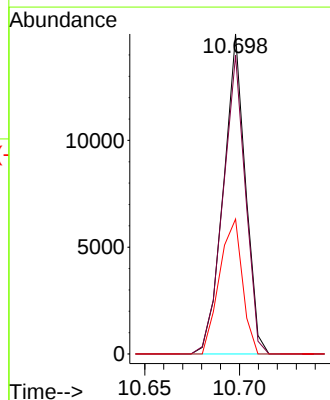
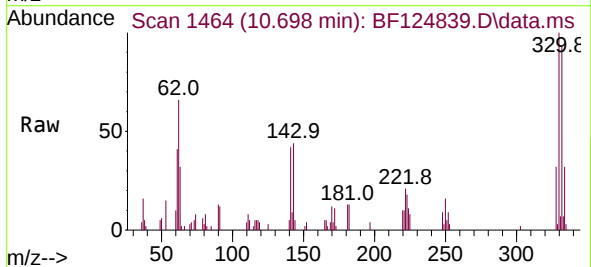
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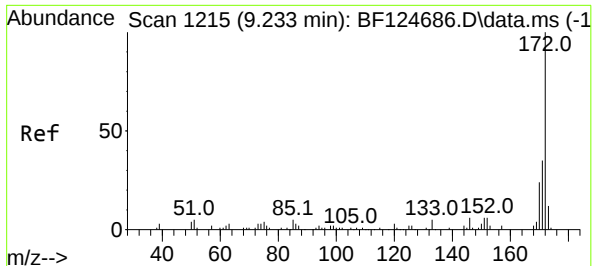
Tgt Ion:164	Resp:	13374
Ion Ratio	Lower	Upper
164	100	
162	102.6	81.3 121.9
160	42.9	38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 105.15 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF124839.D
Acq: 28 Jul 2021 21:32

Tgt Ion:330	Resp:	12074
Ion Ratio	Lower	Upper
330	100	
332	95.0	76.2 114.4
141	44.0	44.6 66.8#

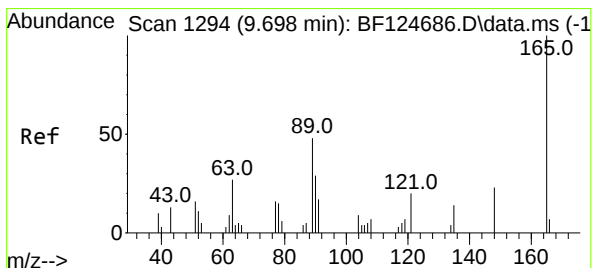
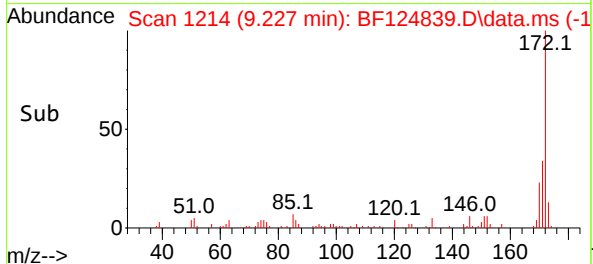
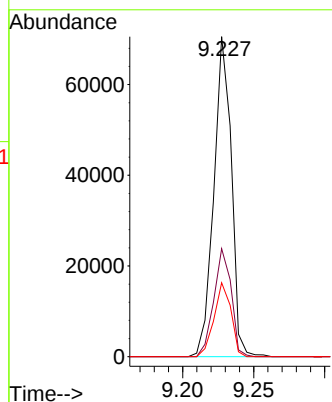
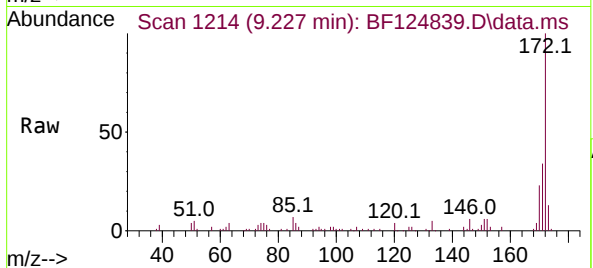




#45
2-Fluorobiphenyl
Concen: 66.33 ng
RT: 9.227 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF124839.D
Acq: 28 Jul 2021 21:32

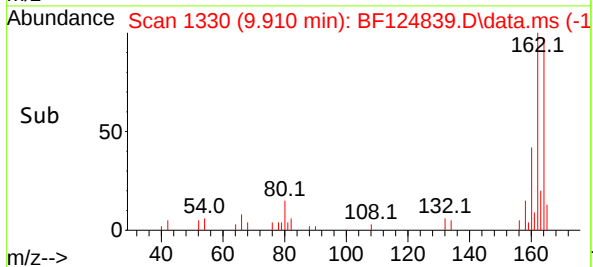
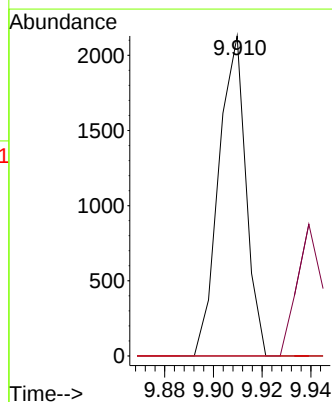
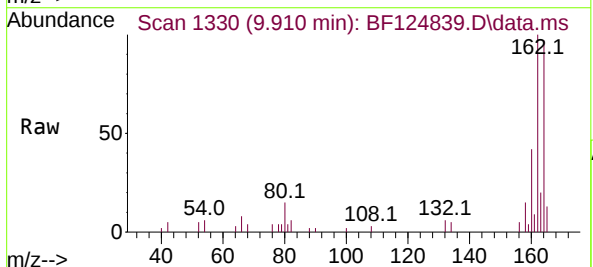
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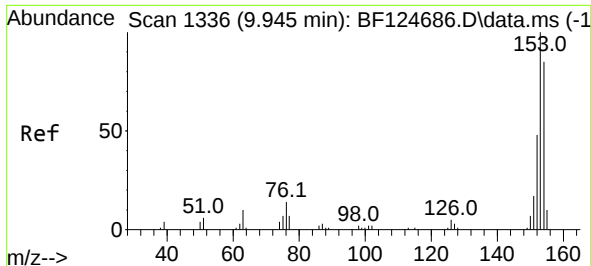
Tgt Ion:172 Resp: 60399
Ion Ratio Lower Upper
172 100
171 33.7 26.5 39.7
170 23.1 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 8.09 ng
RT: 9.910 min Scan# 1330
Delta R.T. 0.212 min
Lab File: BF124839.D
Acq: 28 Jul 2021 21:32

Tgt Ion:165 Resp: 1646
Ion Ratio Lower Upper
165 100
63 0.0 42.6 63.8#
89 0.0 40.6 60.8#





#52

Acenaphthene

Concen: 9.01 ng

RT: 9.939 min Scan# 1335

Delta R.T. -0.006 min

Lab File: BF124839.D

Acq: 28 Jul 2021 21:32

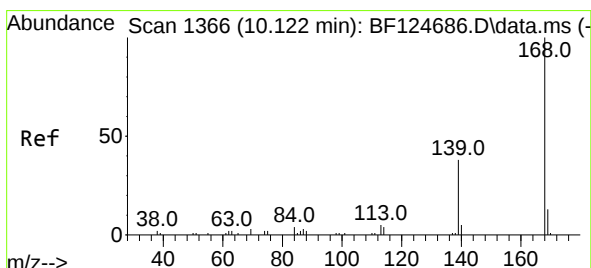
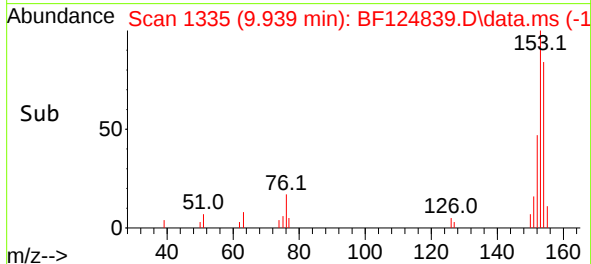
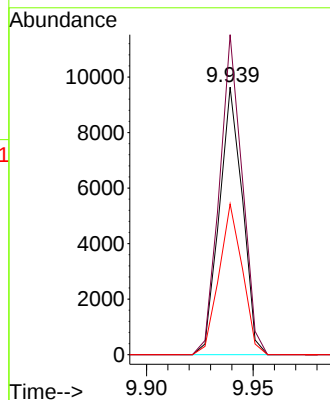
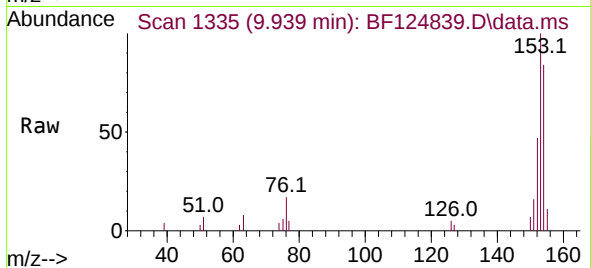
Tgt Ion:154 Resp: 7281

Ion Ratio Lower Upper

154 100

153 119.6 89.4 134.2

152 56.3 40.5 60.7



#55

Dibenzofuran

Concen: 5.51 ng

RT: 10.110 min Scan# 1364

Delta R.T. -0.012 min

Lab File: BF124839.D

Acq: 28 Jul 2021 21:32

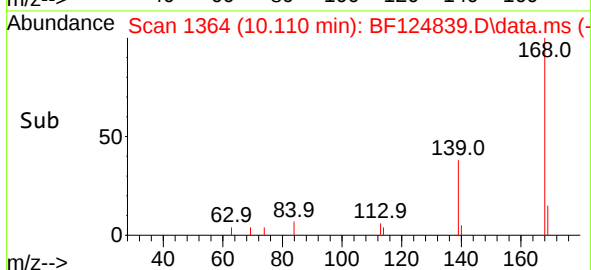
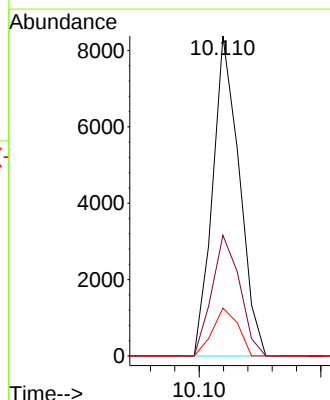
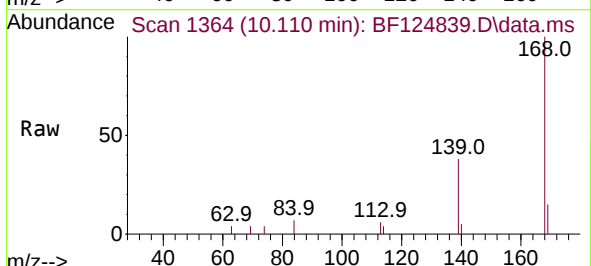
Tgt Ion:168 Resp: 6365

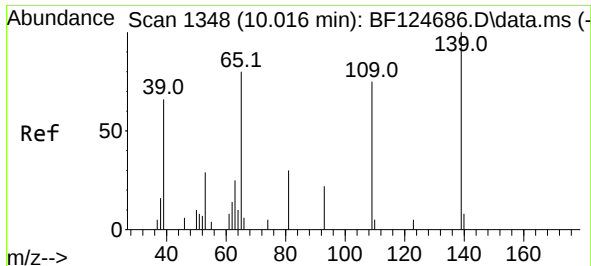
Ion Ratio Lower Upper

168 100

139 37.7 32.7 49.1

169 14.9 11.2 16.8

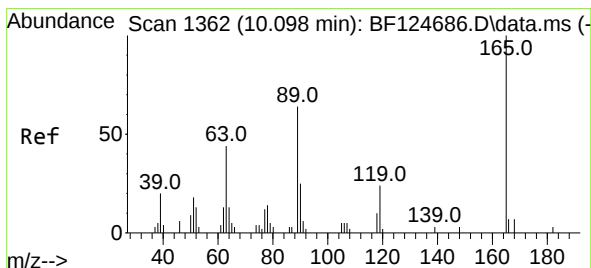
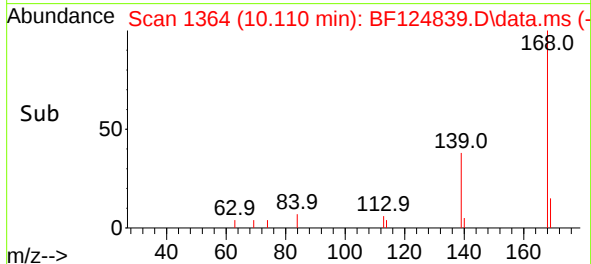
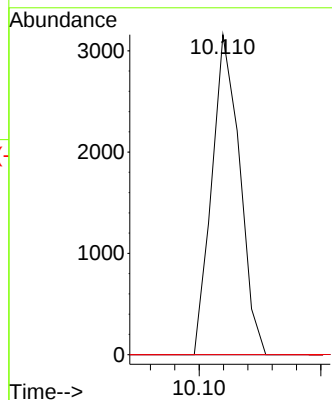
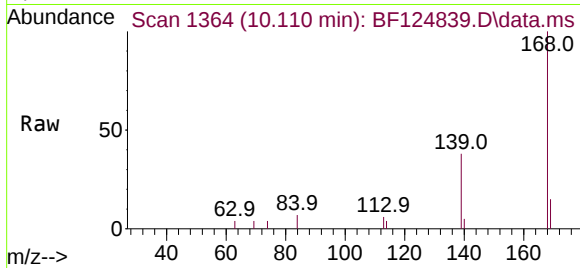




#56
4-Nitrophenol
Concen: 14.86 ng
RT: 10.110 min Scan# 1364
Delta R.T. 0.094 min
Lab File: BF124839.D
Acq: 28 Jul 2021 21:32

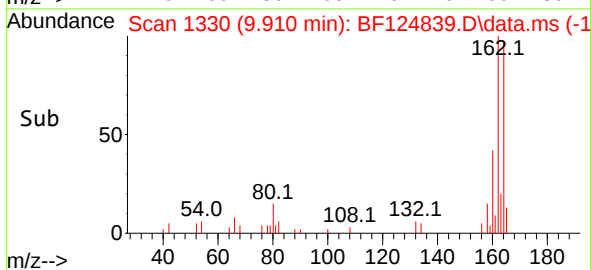
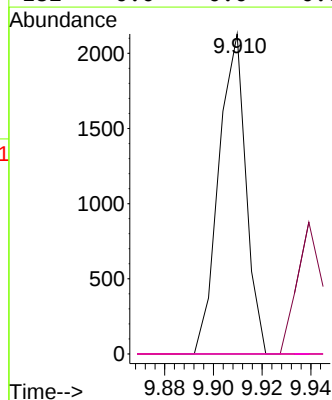
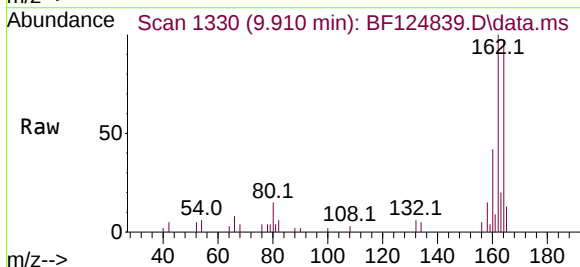
Instrument :
BNA_F
ClientSampleId :
VNJ-211

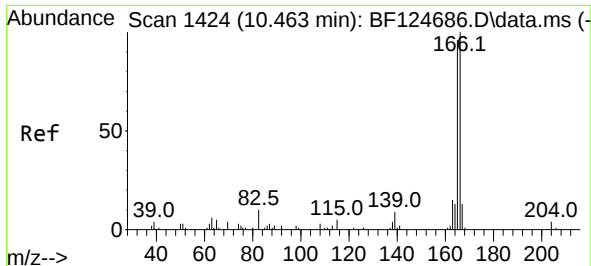
Tgt Ion:139 Resp: 2512
Ion Ratio Lower Upper
139 100
109 0.0 60.4 100.4#
65 0.0 58.4 98.4#



#57
2,4-Dinitrotoluene
Concen: 5.96 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.188 min
Lab File: BF124839.D
Acq: 28 Jul 2021 21:32

Tgt Ion:165 Resp: 1646
Ion Ratio Lower Upper
165 100
63 0.0 40.9 61.3#
89 0.0 59.7 89.5#
182 0.0 0.0 0.0

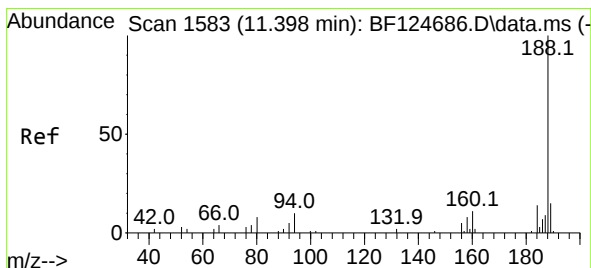
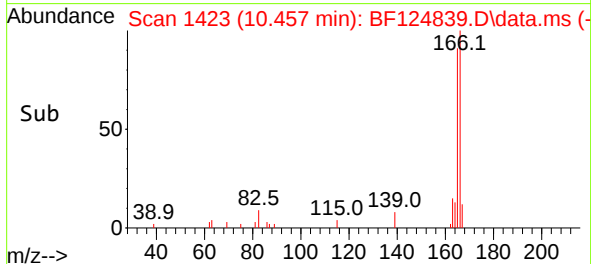
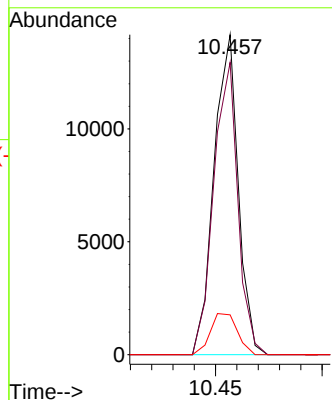
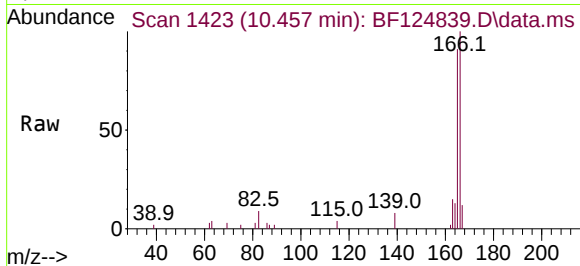




#58
Fluorene
Concen: 12.64 ng
RT: 10.457 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF124839.D
Acq: 28 Jul 2021 21:32

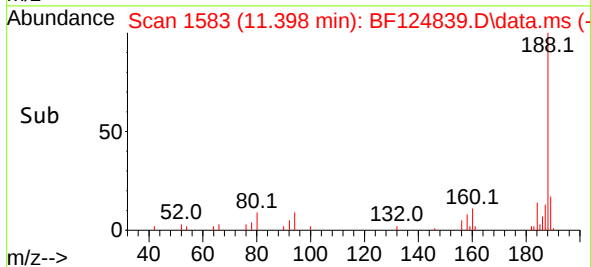
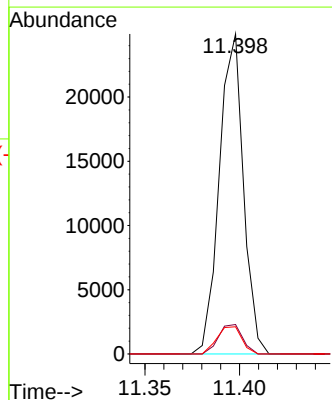
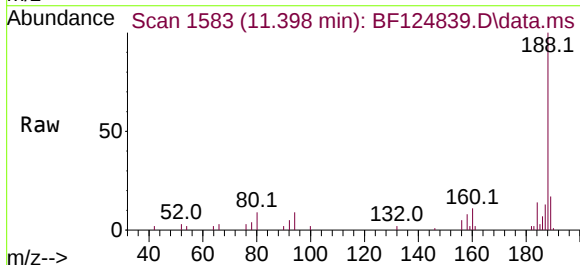
Instrument :
BNA_F
ClientSampleId :
VNJ-211

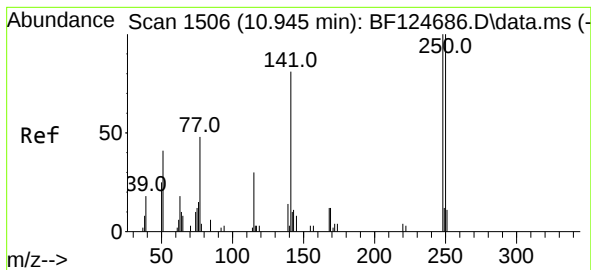
Tgt Ion:166 Resp: 11197
Ion Ratio Lower Upper
166 100
165 91.3 78.1 117.1
167 12.5 11.1 16.7



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF124839.D
Acq: 28 Jul 2021 21:32

Tgt Ion:188 Resp: 22038
Ion Ratio Lower Upper
188 100
94 9.2 6.7 10.1
80 8.5 7.5 11.3

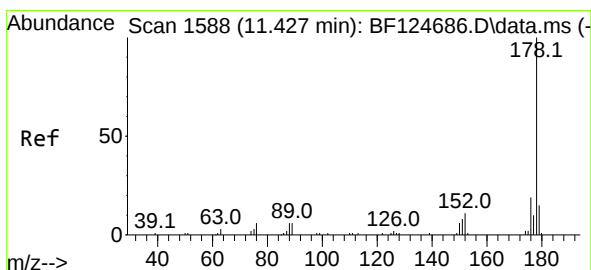
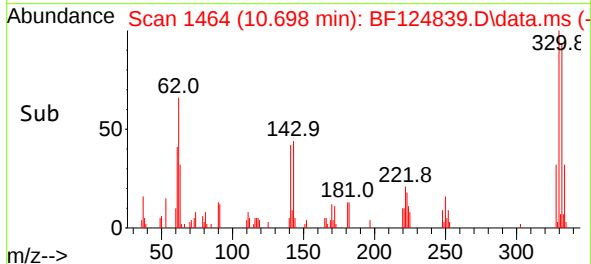
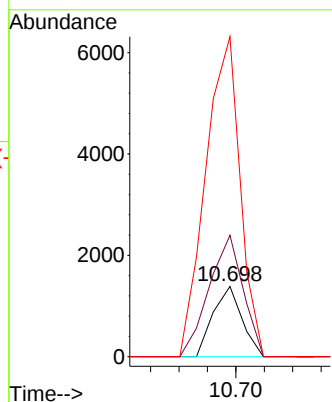
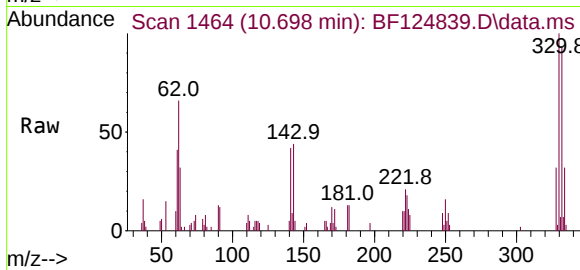




#67
4-Bromophenyl-phenylether
Concen: 4.18 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.247 min
Lab File: BF124839.D
Acq: 28 Jul 2021 21:32

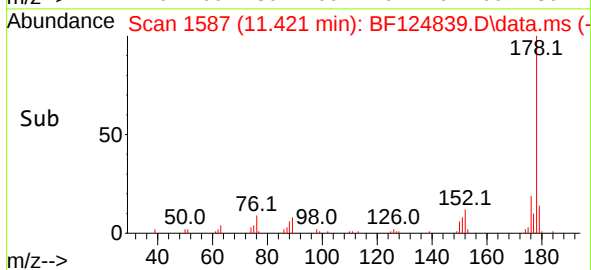
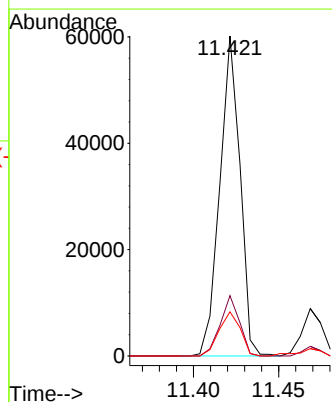
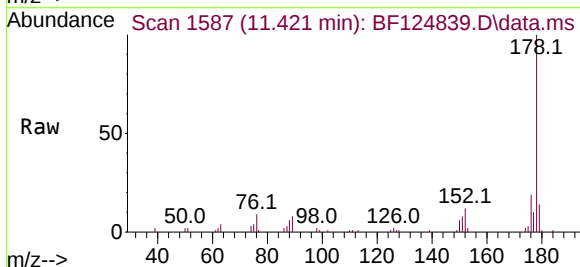
Instrument :
BNA_F
ClientSampleId :
VNJ-211

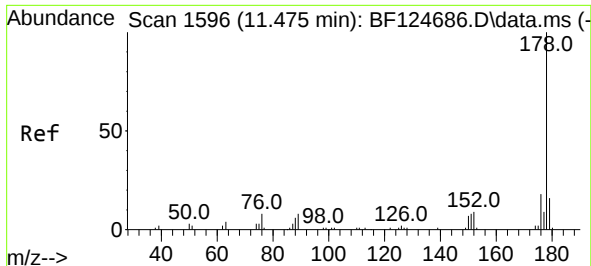
Tgt Ion:248 Resp: 978
Ion Ratio Lower Upper
248 100
250 172.8 74.2 111.4#
141 455.0 60.4 90.6#



#71
Phenanthrene
Concen: 41.82 ng
RT: 11.421 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF124839.D
Acq: 28 Jul 2021 21:32

Tgt Ion:178 Resp: 49574
Ion Ratio Lower Upper
178 100
176 18.9 14.7 22.1
179 13.8 11.5 17.3

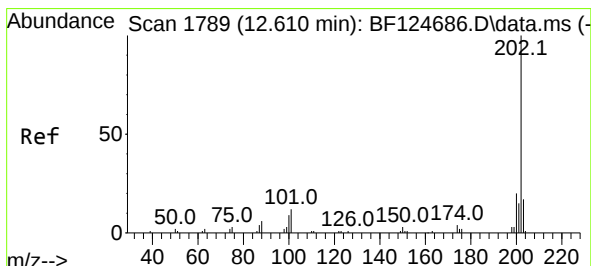
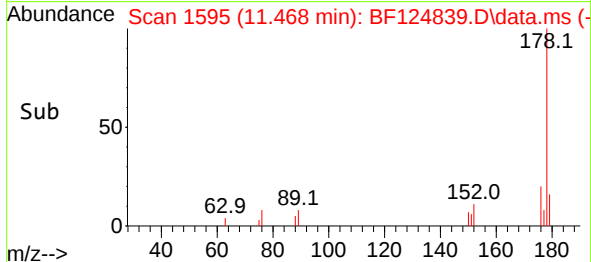
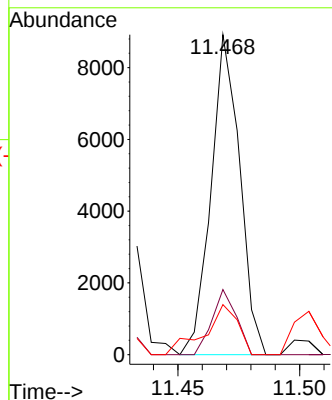
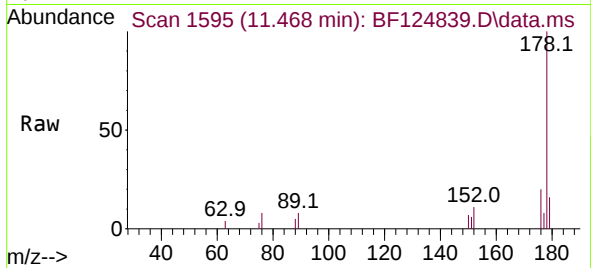




#72
 Anthracene
 Concen: 6.17 ng
 RT: 11.468 min Scan# 1595
 Delta R.T. -0.006 min
 Lab File: BF124839.D
 Acq: 28 Jul 2021 21:32

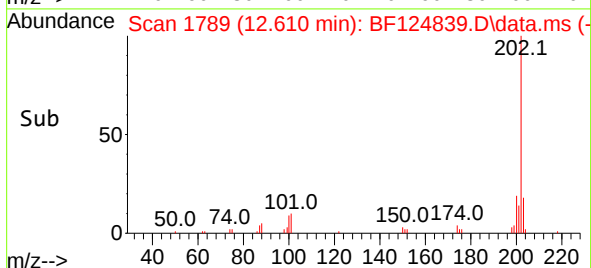
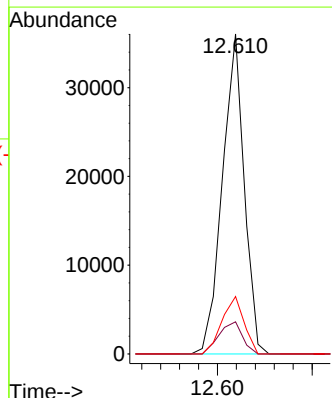
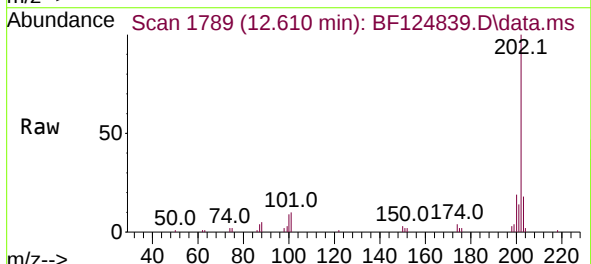
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-211

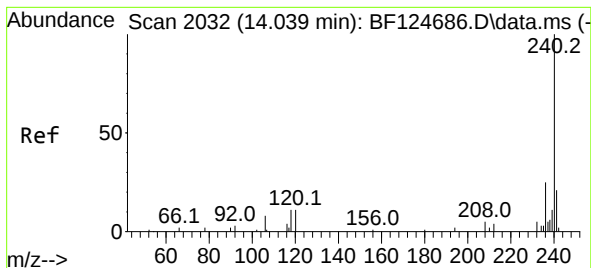
Tgt Ion:178 Resp: 7314
 Ion Ratio Lower Upper
 178 100
 176 20.3 14.3 21.5
 179 15.6 12.2 18.4



#75
 Fluoranthene
 Concen: 23.83 ng
 RT: 12.610 min Scan# 1789
 Delta R.T. -0.000 min
 Lab File: BF124839.D
 Acq: 28 Jul 2021 21:32

Tgt Ion:202 Resp: 28821
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 30.7
 203 18.0 0.0 36.3

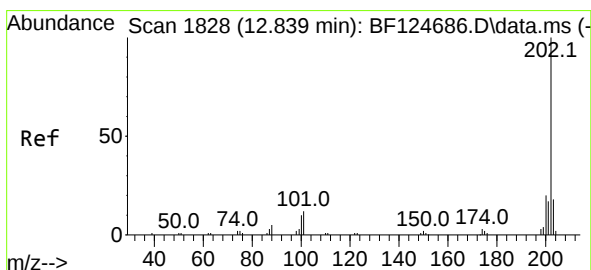
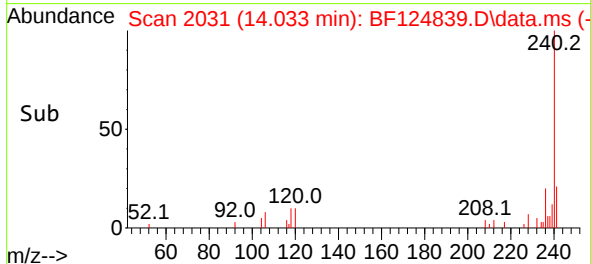
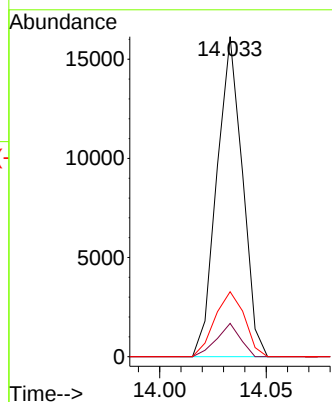
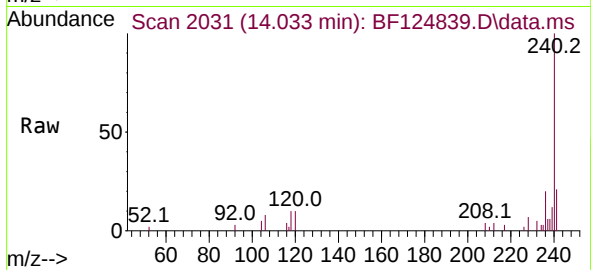




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF124839.D
Acq: 28 Jul 2021 21:32

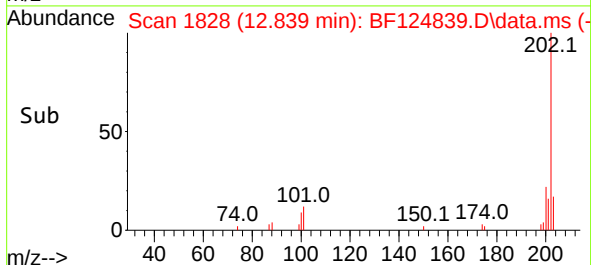
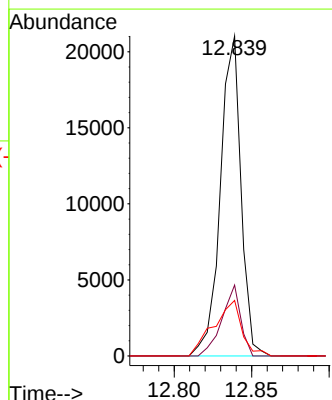
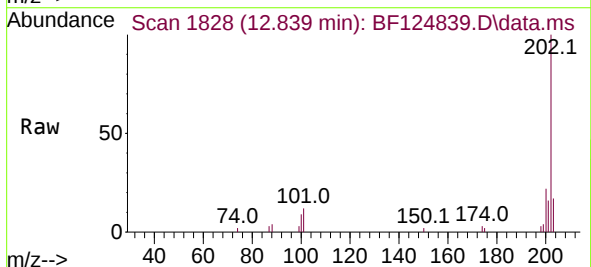
Instrument :
BNA_F
ClientSampleId :
VNJ-211

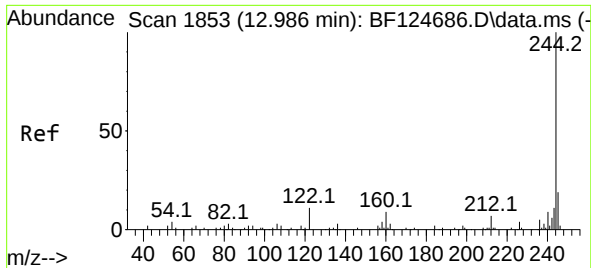
Tgt Ion:240 Resp: 13500
Ion Ratio Lower Upper
240 100
120 10.4 10.8 16.2#
236 20.3 21.6 32.4#



#78
Pyrene
Concen: 18.20 ng
RT: 12.839 min Scan# 1828
Delta R.T. -0.000 min
Lab File: BF124839.D
Acq: 28 Jul 2021 21:32

Tgt Ion:202 Resp: 19455
Ion Ratio Lower Upper
202 100
200 22.2 15.3 22.9
203 17.3 13.4 20.0

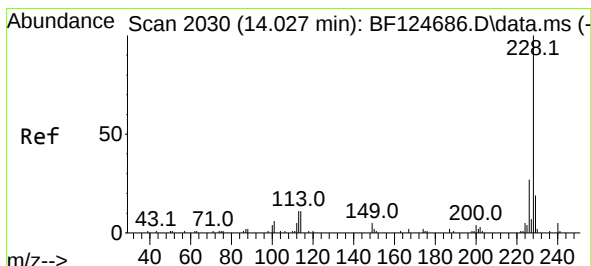
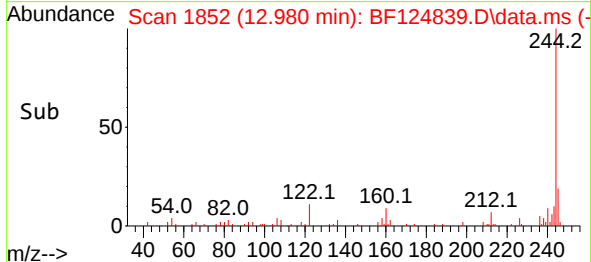
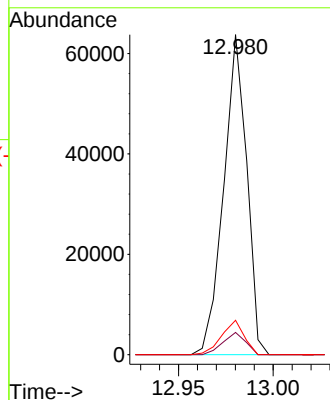
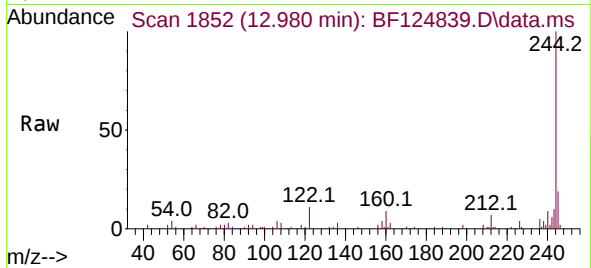




#79
 Terphenyl-d14
 Concen: 68.38 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. -0.006 min
 Lab File: BF124839.D
 Acq: 28 Jul 2021 21:32

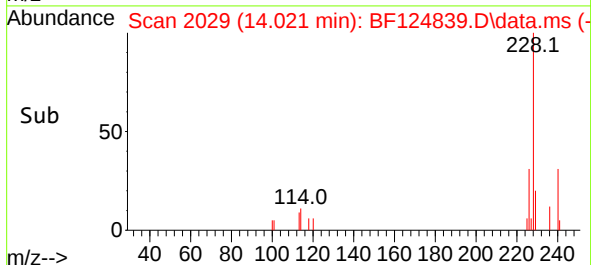
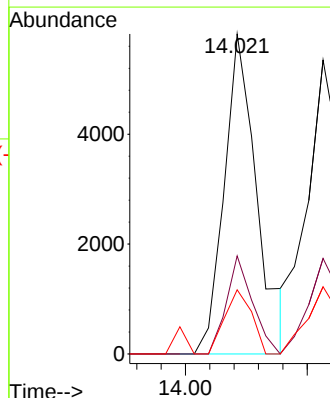
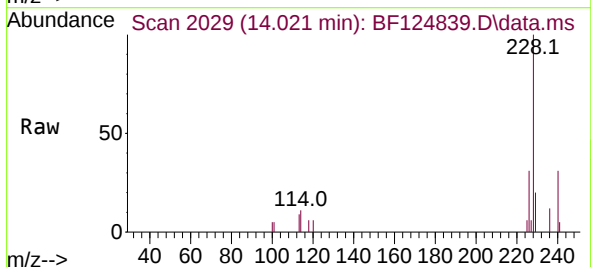
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-211

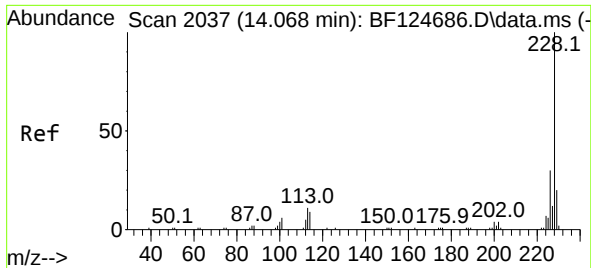
Tgt Ion:244 Resp: 53851
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.9 8.9
 122 10.7 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 6.16 ng
 RT: 14.021 min Scan# 2029
 Delta R.T. -0.006 min
 Lab File: BF124839.D
 Acq: 28 Jul 2021 21:32

Tgt Ion:228 Resp: 5432
 Ion Ratio Lower Upper
 228 100
 226 30.6 21.6 32.4
 229 20.1 15.6 23.4

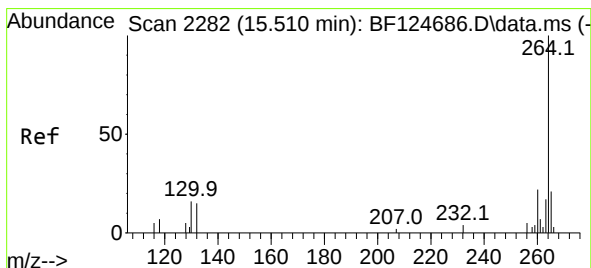
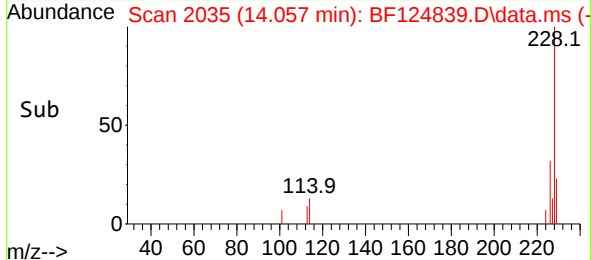
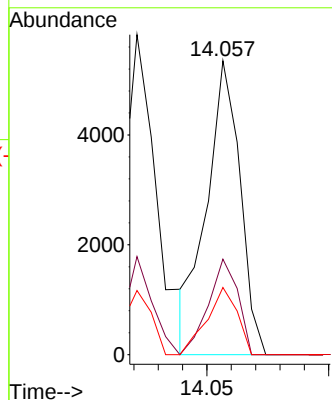
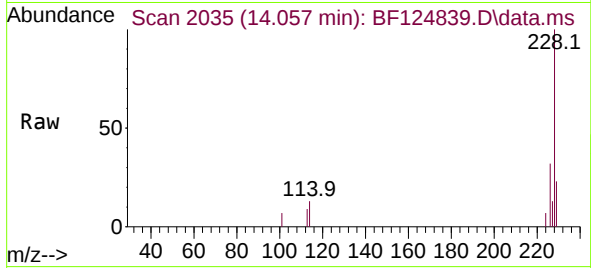




#83
Chrysene
Concen: 5.99 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF124839.D
Acq: 28 Jul 2021 21:32

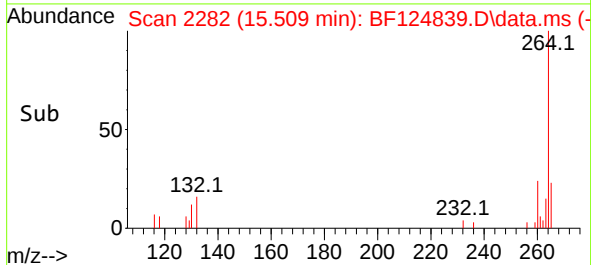
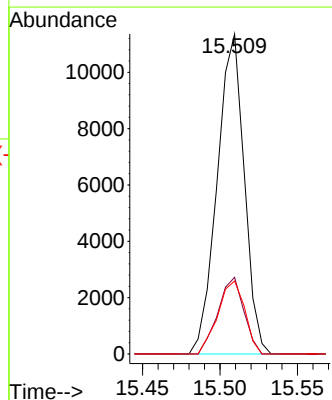
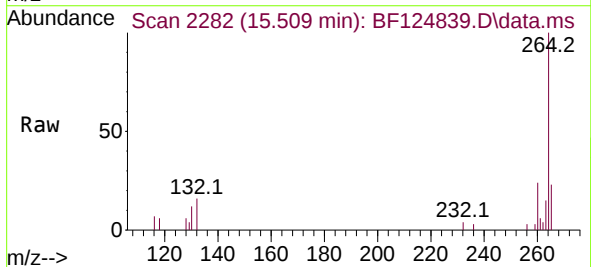
Instrument :
BNA_F
ClientSampleId :
VNJ-211

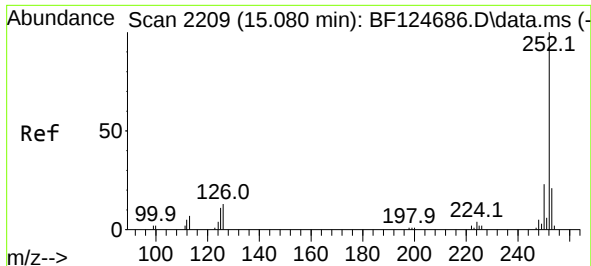
Tgt Ion:228	Resp:	5094
Ion Ratio	Lower	Upper
228	100	
226	32.5	22.6 34.0
229	22.9	15.9 23.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.509 min Scan# 2282
Delta R.T. -0.000 min
Lab File: BF124839.D
Acq: 28 Jul 2021 21:32

Tgt Ion:264	Resp:	13786
Ion Ratio	Lower	Upper
264	100	
260	23.9	19.6 29.4
265	22.8	17.2 25.8

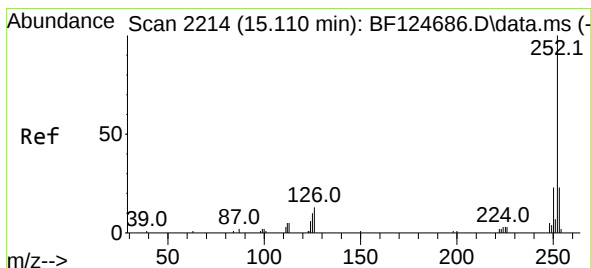
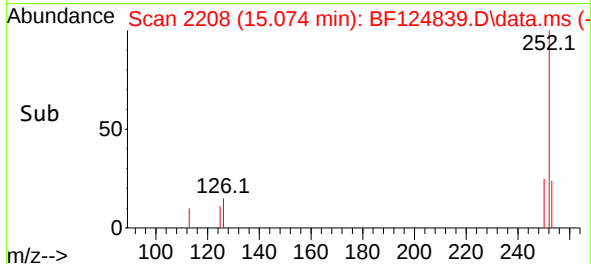
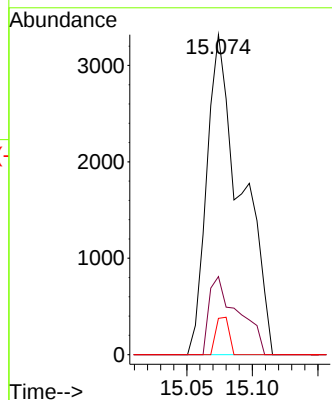
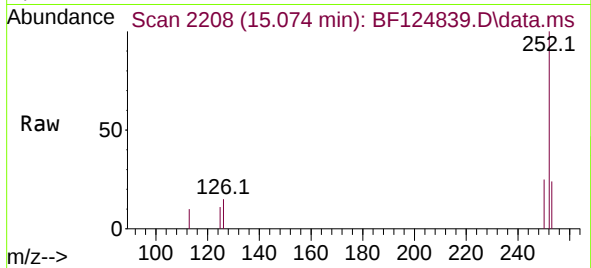




#88
Benzo(b)fluoranthene
Concen: 6.25 ng
RT: 15.074 min Scan# 2208
Delta R.T. -0.006 min
Lab File: BF124839.D
Acq: 28 Jul 2021 21:32

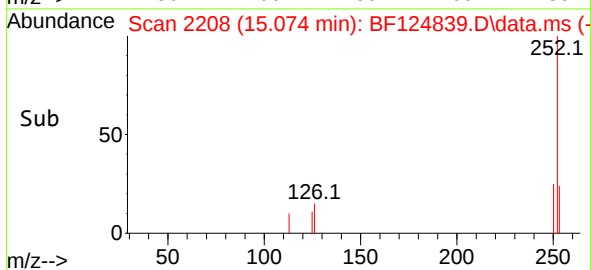
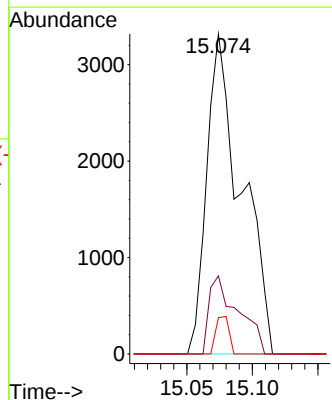
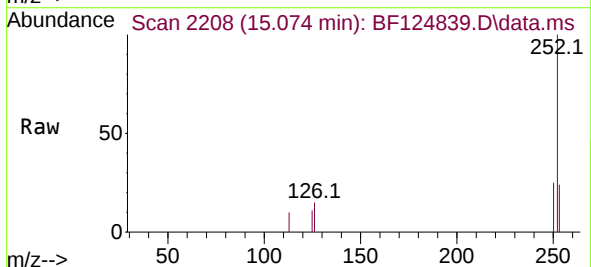
Instrument :
BNA_F
ClientSampleId :
VNJ-211

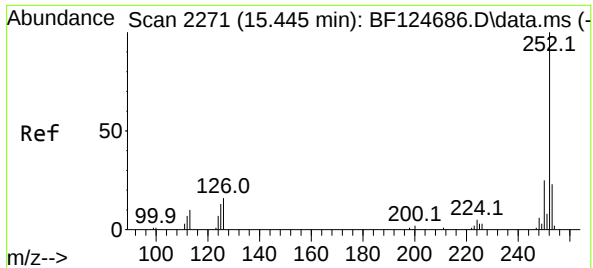
Tgt Ion:252 Resp: 6070
Ion Ratio Lower Upper
252 100
253 24.4 16.8 25.2
125 11.3 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 6.84 ng
RT: 15.074 min Scan# 2208
Delta R.T. -0.035 min
Lab File: BF124839.D
Acq: 28 Jul 2021 21:32

Tgt Ion:252 Resp: 6070
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.8
125 11.3 7.2 10.8#





#90
 Benzo(a)pyrene
 Concen: 3.06 ng
 RT: 15.439 min Scan# 2270
 Delta R.T. -0.006 min
 Lab File: BF124839.D
 Acq: 28 Jul 2021 21:32

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-211

Tgt Ion:252	Resp:	2479
Ion Ratio	Lower	Upper
252	100	
253	23.6	18.4 27.6
125	15.8	9.9 14.9#

