

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061721\
 Data File : BF124360.D
 Acq On : 17 Jun 2021 13:36
 Operator : JU/CG
 Sample : M2707-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-216

Quant Time: Jun 17 13:59:55 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 15 20:09:26 2021
 Response via : Initial Calibration

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

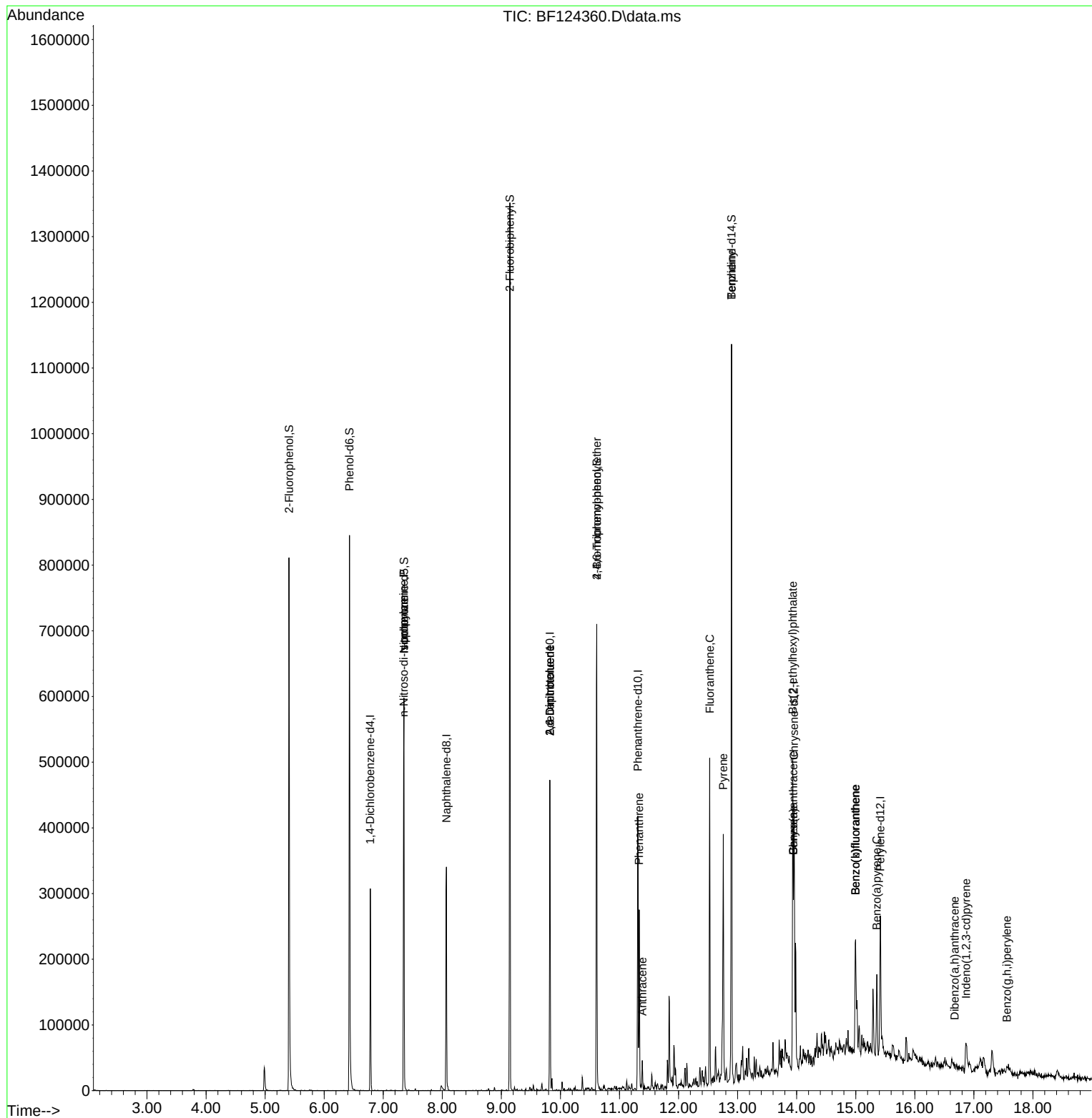
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	35838	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	138117	20.000	ng	# 0.00
39) Acenaphthene-d10	9.822	164	83429	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	139316	20.000	ng	0.00
76) Chrysene-d12	13.957	240	98147	20.000	ng	0.00
86) Perylene-d12	15.415	264	82364	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	177101	74.390	ng	-0.01
7) Phenol-d6	6.428	99	221849	69.327	ng	-0.02
23) Nitrobenzene-d5	7.351	82	171884	49.358	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	73572	62.244	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	324125	48.888	ng	0.00
79) Terphenyl-d14	12.898	244	307086	42.958	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	23427	10.371	ng	# 61
25) Isophorone	7.351	82	171883	27.390	ng	# 69
51) 2,6-Dinitrotoluene	9.822	165	9996	6.316	ng	# 13
57) 2,4-Dinitrotoluene	9.822	165	9996	4.789	ng	# 19
67) 4-Bromophenyl-phenylether	10.616	248	5319	2.782	ng	# 1
71) Phenanthrene	11.333	178	86512	9.941	ng	96
72) Anthracene	11.386	178	17707	2.020	ng	99
75) Fluoranthene	12.527	202	163652	17.915	ng	99
77) Benzidine	12.898	184	5855	6.404	ng	# 94
78) Pyrene	12.757	202	136749	14.510	ng	96
81) Benzo(a)anthracene	13.945	228	61199	8.559	ng	95
83) Chrysene	13.945	228	61199	8.872	ng	97
84) Bis(2-ethylhexyl)phtha...	13.933	149	106945	23.515	ng	96
87) Indeno(1,2,3-cd)pyrene	16.868	276	27124	7.935	ng	# 93
88) Benzo(b)fluoranthene	14.998	252	108533	16.963	ng	99
89) Benzo(k)fluoranthene	14.998	252	108533	17.919	ng	99
90) Benzo(a)pyrene	15.356	252	51710	9.305	ng	98
91) Dibenzo(a,h)anthracene	16.674	278	5154	4.979	ng	93
92) Benzo(g,h,i)perylene	17.556	276	5095	4.620	ng	95

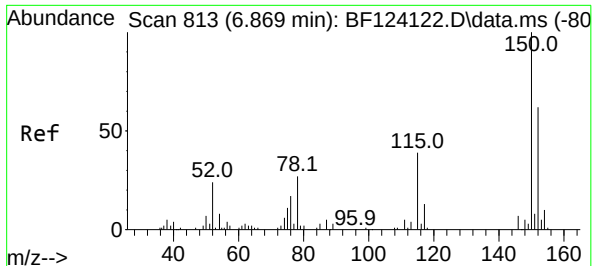
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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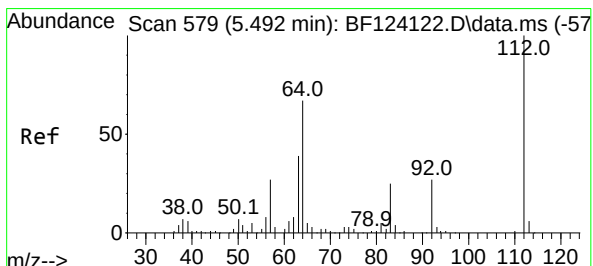
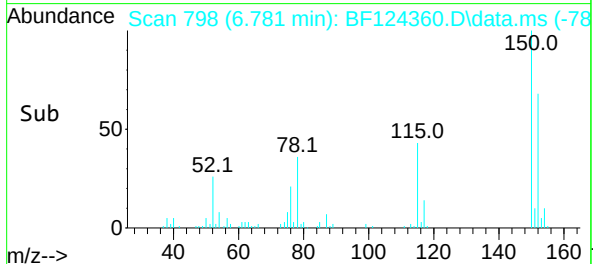
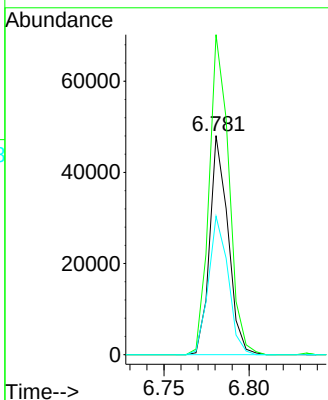
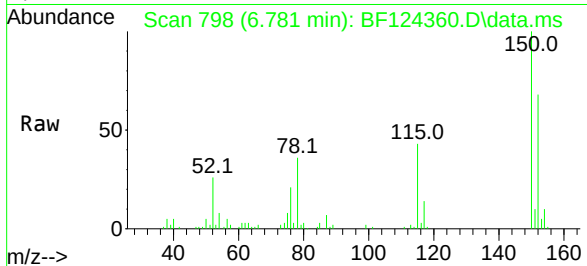




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF124360.D
Acq: 17 Jun 2021 13:36

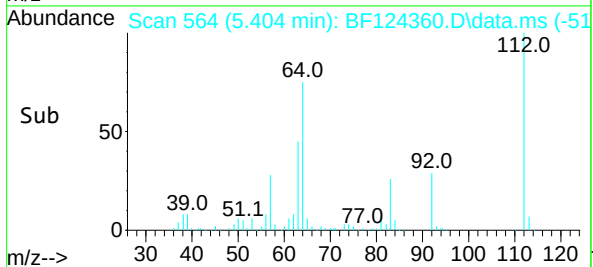
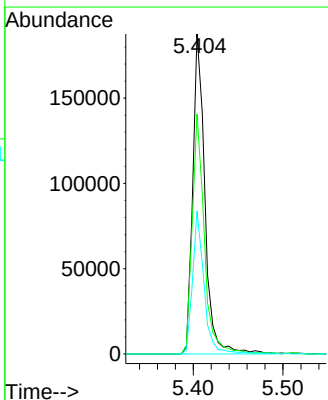
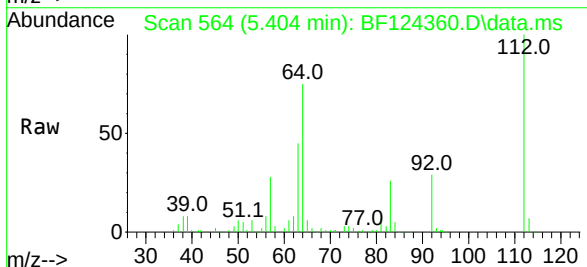
Instrument :
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VNJ-216

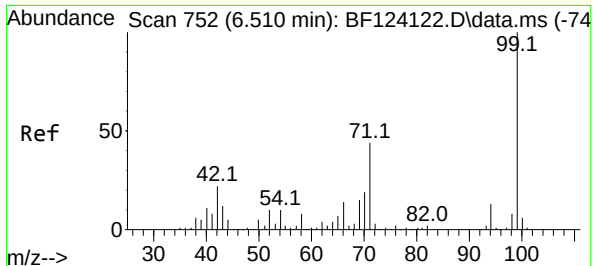
Tgt Ion:152 Resp: 35838
Ion Ratio Lower Upper
152 100
150 146.1 127.0 190.6
115 63.2 54.3 81.5



#5
2-Fluorophenol
Concen: 74.390 ng
RT: 5.404 min Scan# 564
Delta R.T. -0.012 min
Lab File: BF124360.D
Acq: 17 Jun 2021 13:36

Tgt Ion:112 Resp: 177101
Ion Ratio Lower Upper
112 100
64 74.9 61.4 92.0
63 44.7 33.0 49.4

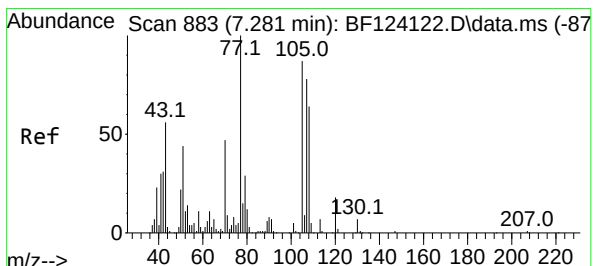
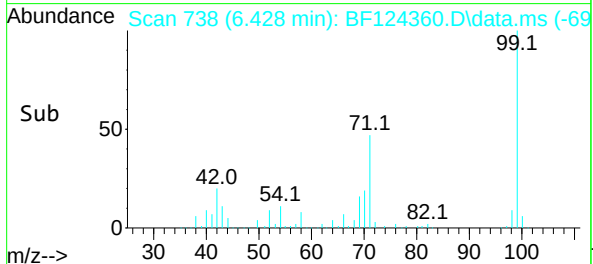
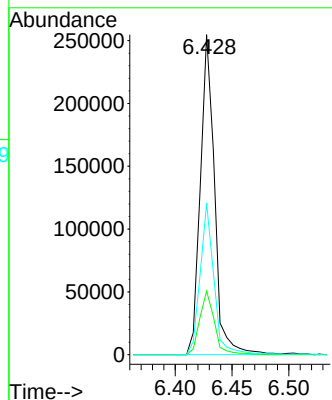
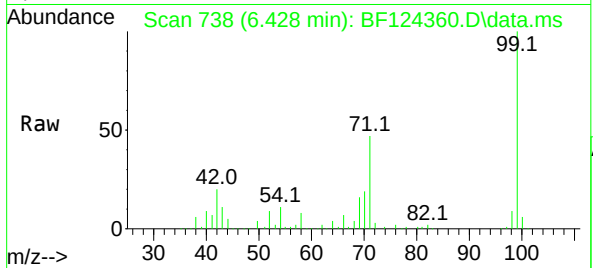




#7
Phenol-d6
Concen: 69.327 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.018 min
Lab File: BF124360.D
Acq: 17 Jun 2021 13:36

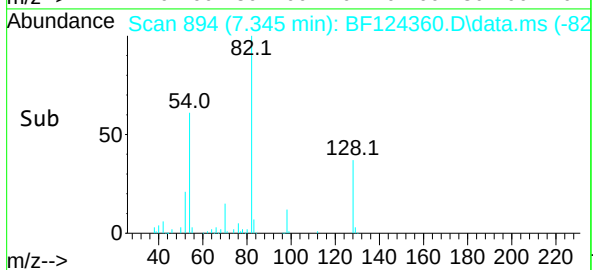
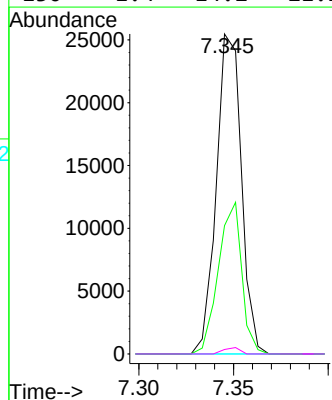
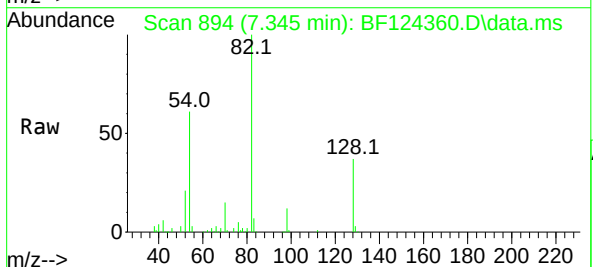
Instrument :
BNA_F
ClientSampleId :
VNJ-216

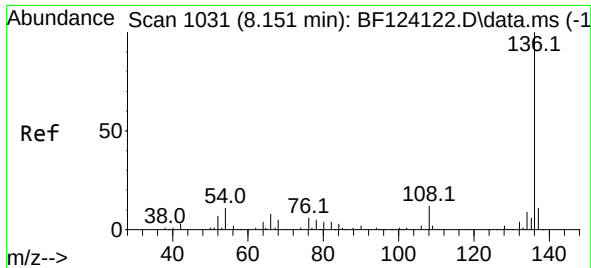
Tgt Ion: 99 Resp: 221849
Ion Ratio Lower Upper
99 100
42 19.9 19.8 29.8
71 47.4 31.1 46.7#



#19
n-Nitroso-di-n-propylamine
Concen: 10.371 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF124360.D
Acq: 17 Jun 2021 13:36

Tgt Ion: 70 Resp: 23427
Ion Ratio Lower Upper
70 100
42 40.1 60.1 90.1#
101 0.0 7.4 11.2#
130 1.4 14.2 21.2#

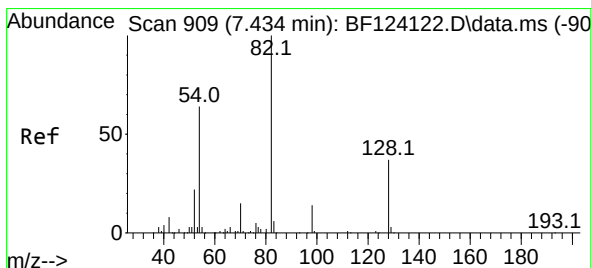
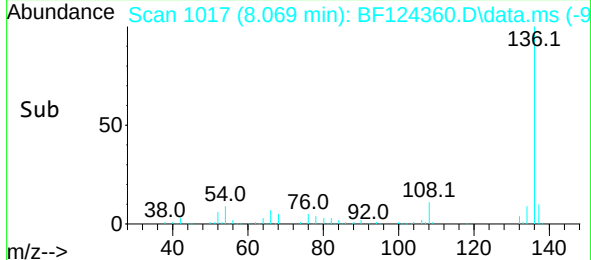
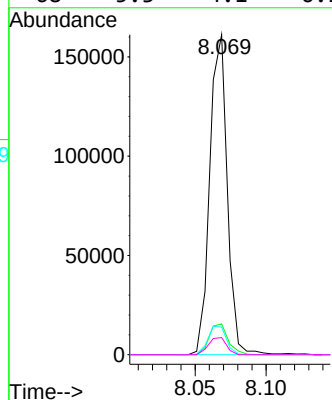
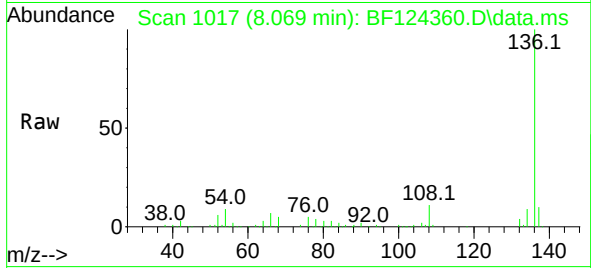




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF124360.D
Acq: 17 Jun 2021 13:36

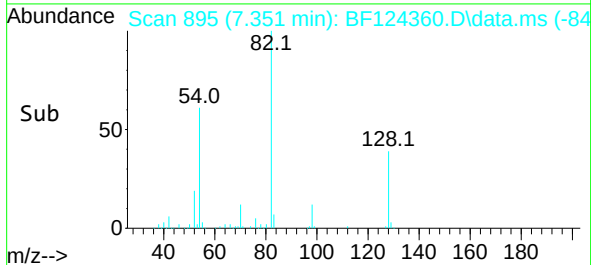
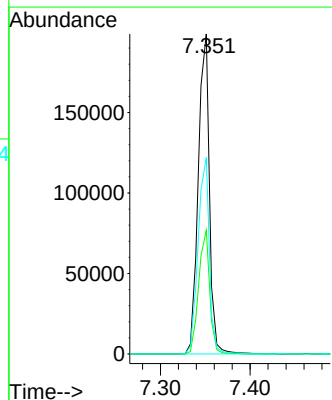
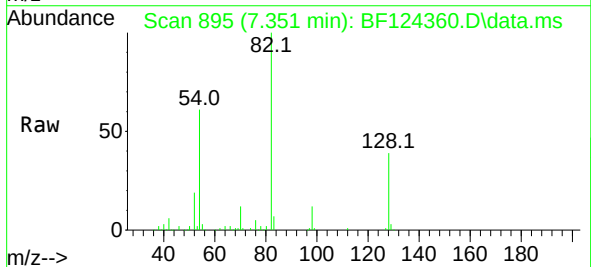
Instrument :
BNA_F
ClientSampled :
VNJ-216

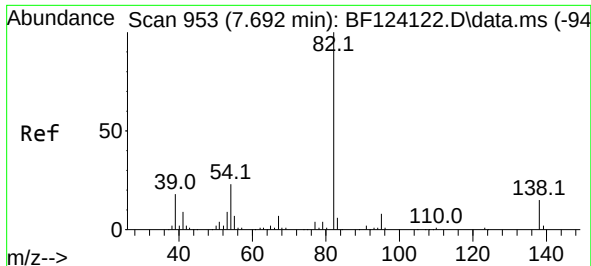
Tgt Ion:136	Resp:	138117
Ion Ratio	Lower	Upper
136	100	
137	9.6	8.7 13.1
54	8.6	9.8 14.6#
68	5.3	4.1 6.1



#23
Nitrobenzene-d5
Concen: 49.358 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF124360.D
Acq: 17 Jun 2021 13:36

Tgt Ion: 82	Resp:	171884
Ion Ratio	Lower	Upper
82	100	
128	38.6	29.4 44.2
54	61.4	54.1 81.1

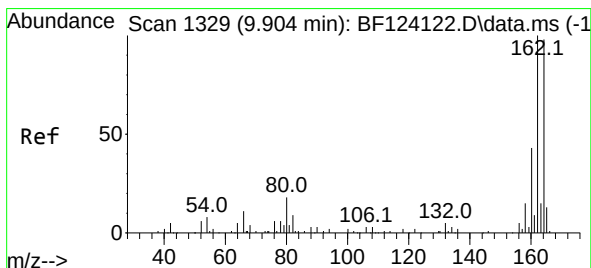
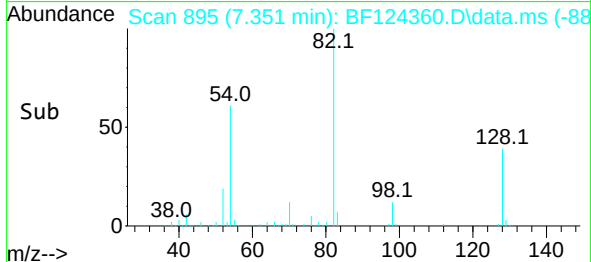
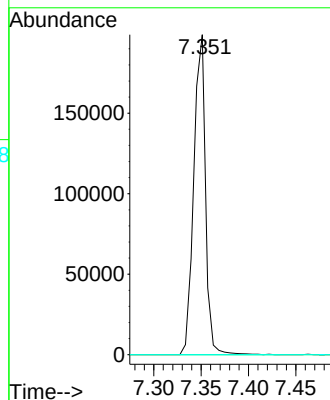
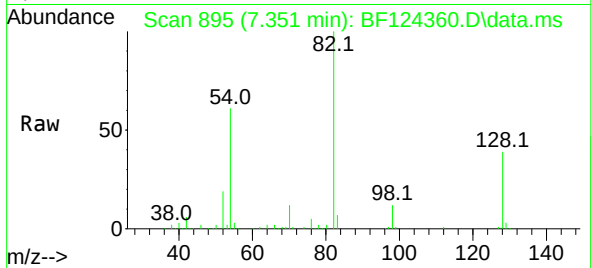




#25
Isophorone
Concen: 27.390 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.265 min
Lab File: BF124360.D
Acq: 17 Jun 2021 13:36

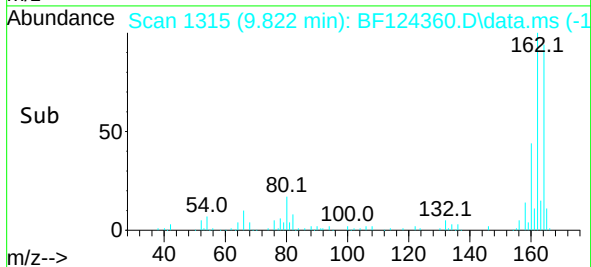
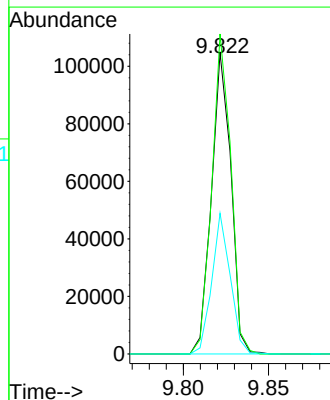
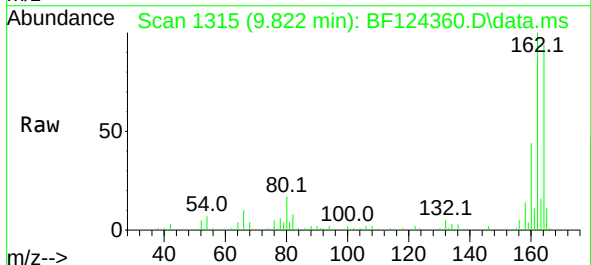
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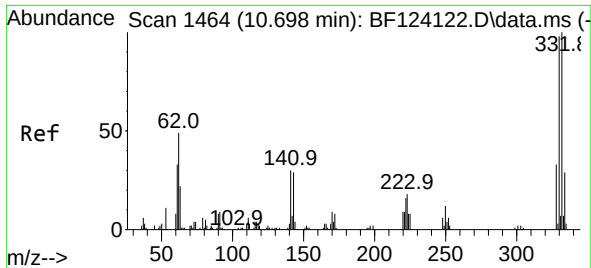
Tgt Ion: 82 Resp: 171883
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF124360.D
Acq: 17 Jun 2021 13:36

Tgt Ion:164 Resp: 83429
Ion Ratio Lower Upper
164 100
162 106.2 80.7 121.1
160 46.7 37.3 55.9

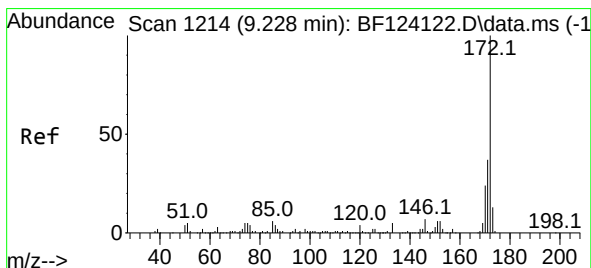
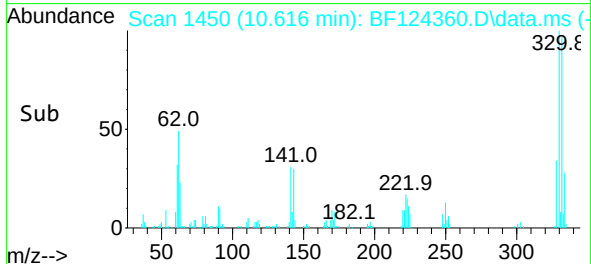
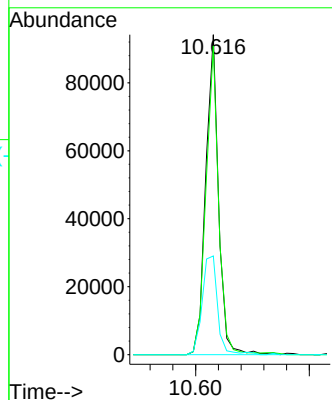
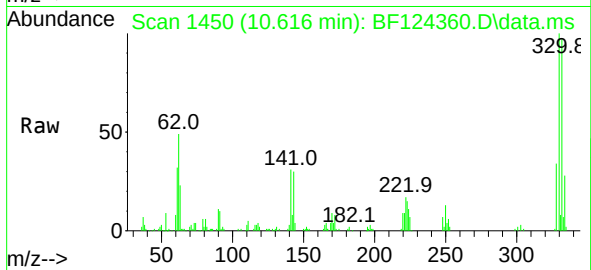




#42
2,4,6-Tribromophenol
Concen: 62.244 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF124360.D
Acq: 17 Jun 2021 13:36

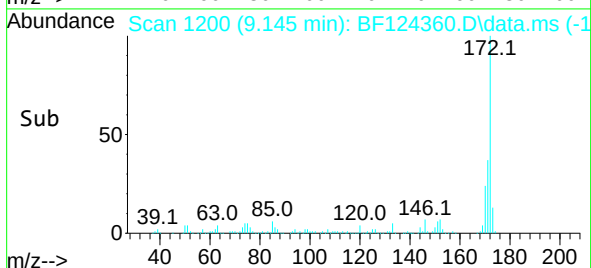
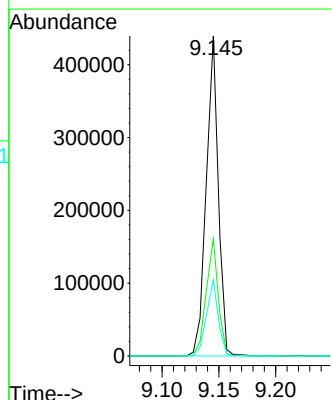
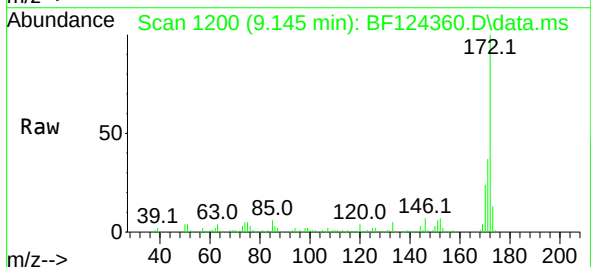
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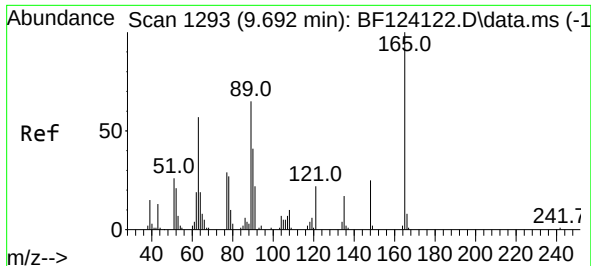
Tgt Ion: 330 Resp: 73572
Ion Ratio Lower Upper
330 100
332 96.0 77.1 115.7
141 37.1 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 48.888 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF124360.D
Acq: 17 Jun 2021 13:36

Tgt Ion: 172 Resp: 324125
Ion Ratio Lower Upper
172 100
171 36.5 28.1 42.1
170 23.7 19.2 28.8

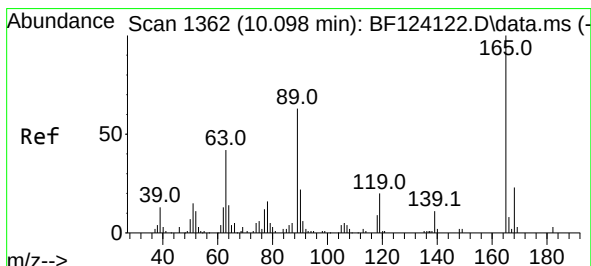
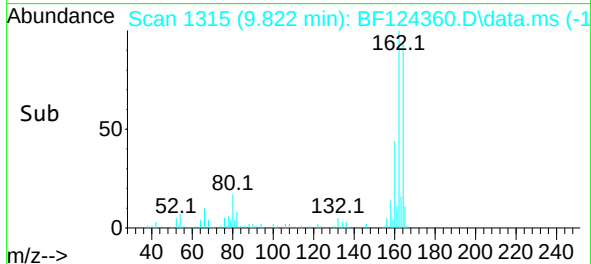
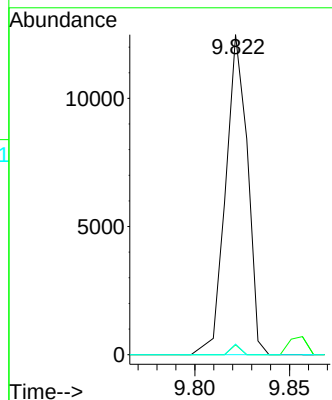
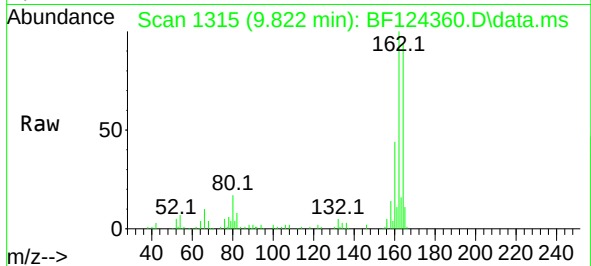




#51
2,6-Dinitrotoluene
Concen: 6.316 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.200 min
Lab File: BF124360.D
Acq: 17 Jun 2021 13:36

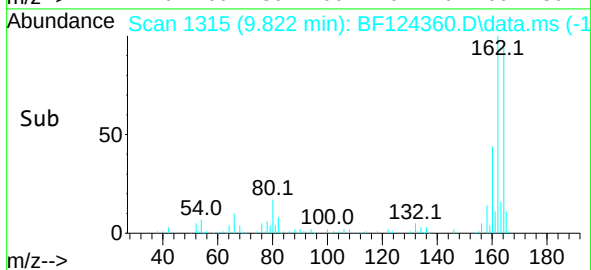
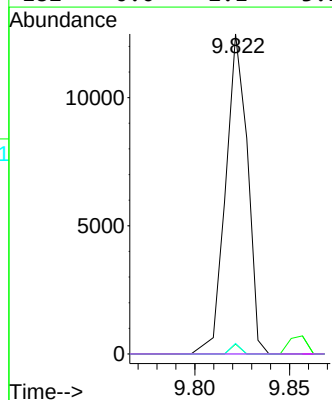
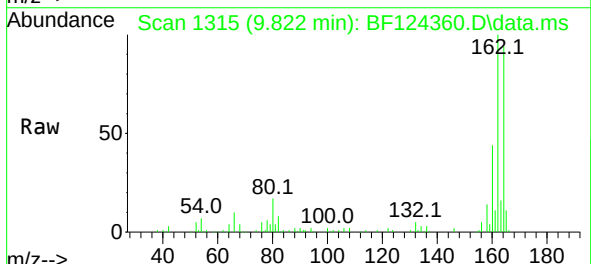
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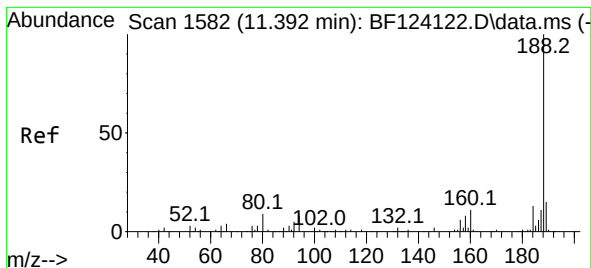
Tgt Ion:165 Resp: 9996
Ion Ratio Lower Upper
165 100
63 3.1 67.7 101.5#
89 3.3 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 4.789 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.206 min
Lab File: BF124360.D
Acq: 17 Jun 2021 13:36

Tgt Ion:165 Resp: 9996
Ion Ratio Lower Upper
165 100
63 3.1 43.5 65.3#
89 3.3 67.7 101.5#
182 0.0 2.1 3.1#

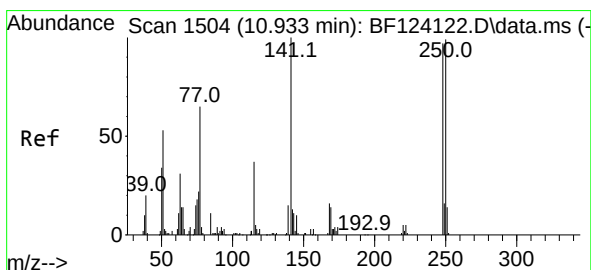
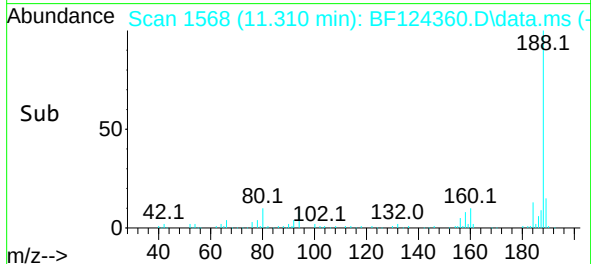
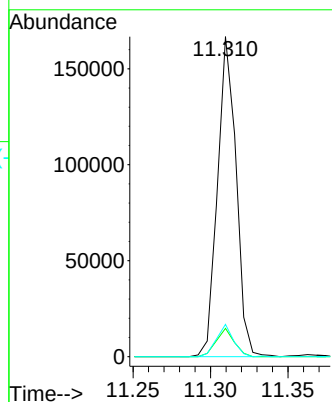
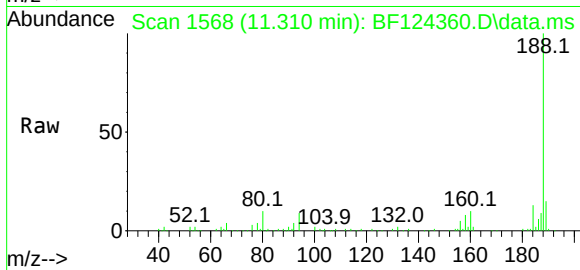




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF124360.D
Acq: 17 Jun 2021 13:36

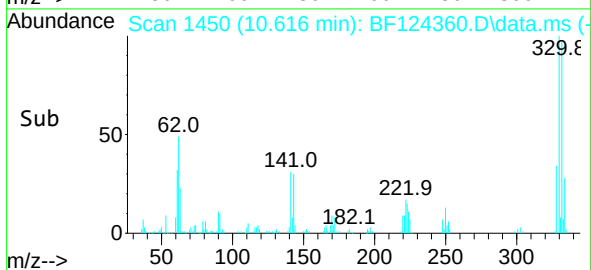
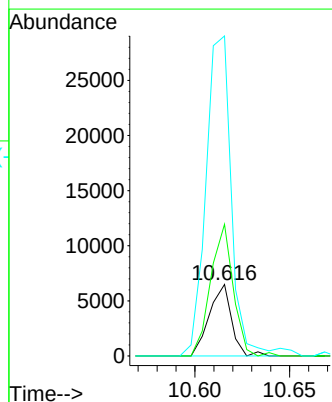
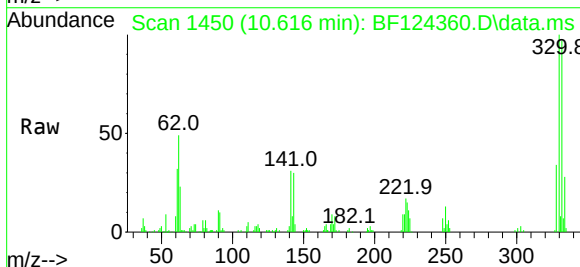
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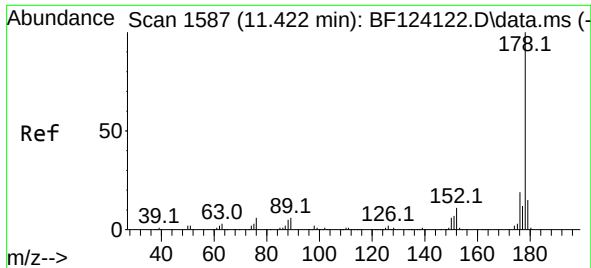
Tgt Ion:188 Resp: 139316
Ion Ratio Lower Upper
188 100
94 8.9 6.9 10.3
80 10.1 8.2 12.2



#67
4-Bromophenyl-phenylether
Concen: 2.782 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.247 min
Lab File: BF124360.D
Acq: 17 Jun 2021 13:36

Tgt Ion:248 Resp: 5319
Ion Ratio Lower Upper
248 100
250 184.3 77.4 116.2#
141 447.6 63.7 95.5#

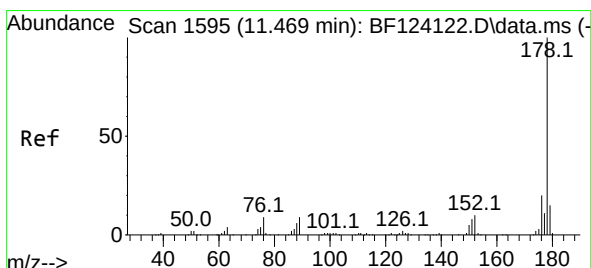
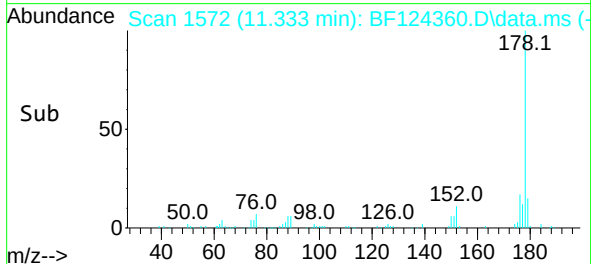
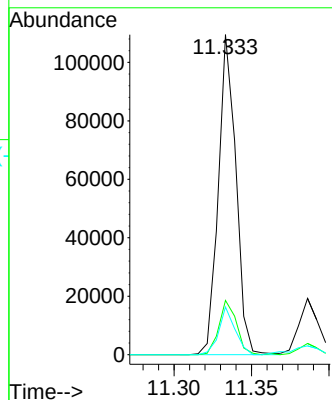
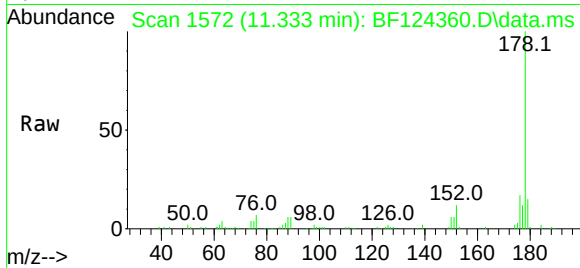




#71
Phenanthrene
Concen: 9.941 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF124360.D
Acq: 17 Jun 2021 13:36

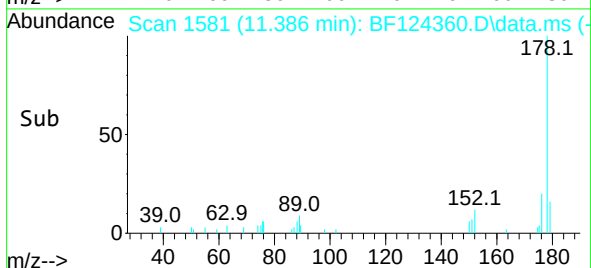
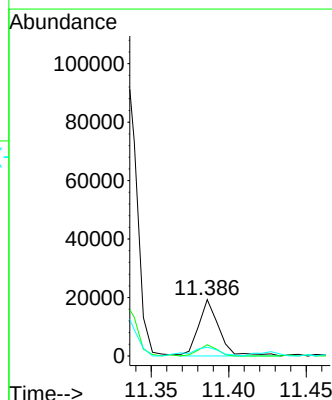
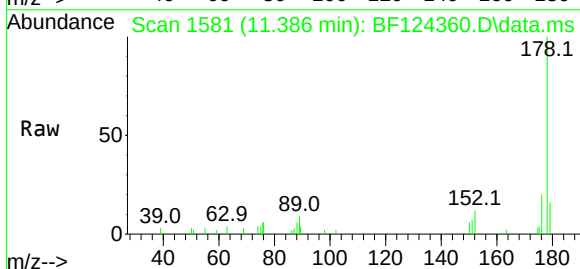
Instrument :
BNA_F
ClientSampleId :
VNJ-216

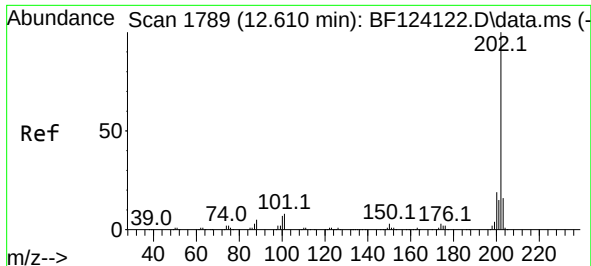
Tgt Ion:178 Resp: 86512
Ion Ratio Lower Upper
178 100
176 17.0 15.6 23.4
179 14.9 12.5 18.7



#72
Anthracene
Concen: 2.020 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF124360.D
Acq: 17 Jun 2021 13:36

Tgt Ion:178 Resp: 17707
Ion Ratio Lower Upper
178 100
176 19.9 15.4 23.0
179 15.8 12.6 18.8

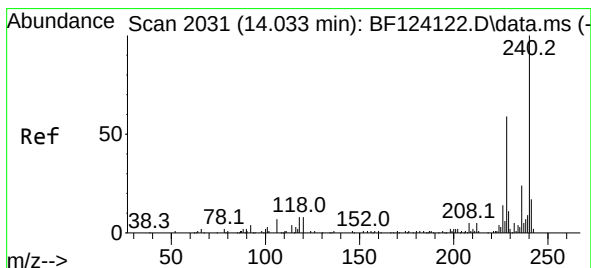
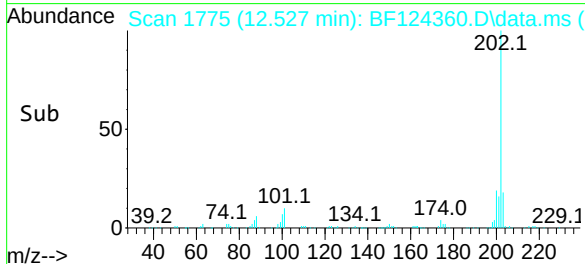
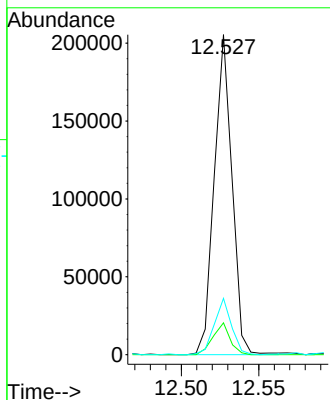
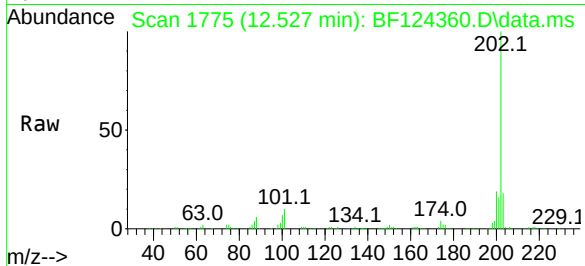




#75
Fluoranthene
Concen: 17.915 ng
RT: 12.527 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BF124360.D
Acq: 17 Jun 2021 13:36

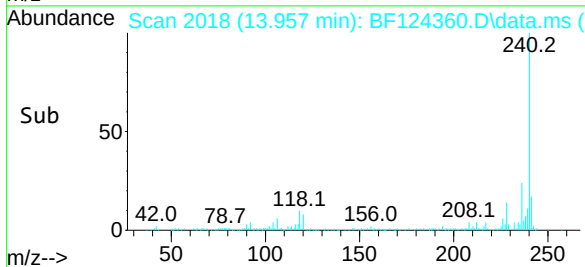
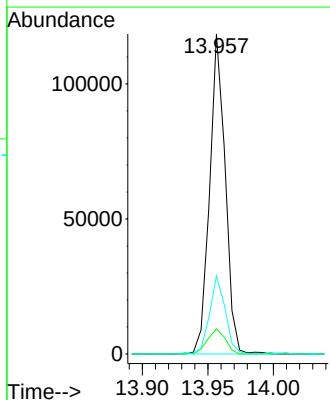
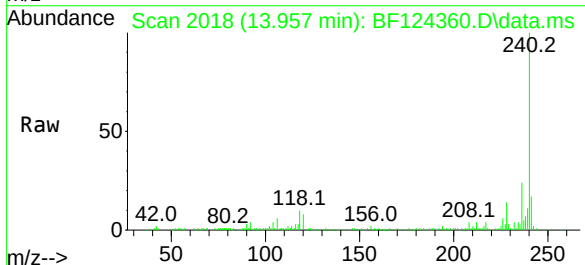
Instrument :
BNA_F
ClientSampleId :
VNJ-216

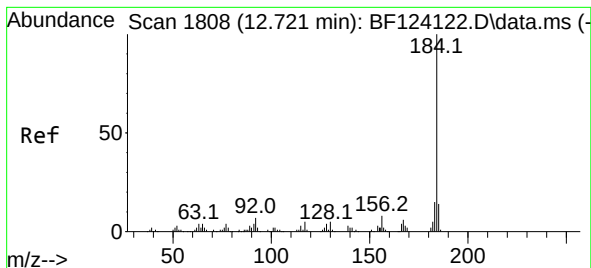
Tgt Ion:202	Resp:	163652
Ion Ratio	Lower	Upper
202	100	
101	10.0	0.0 30.9
203	17.6	0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF124360.D
Acq: 17 Jun 2021 13:36

Tgt Ion:240	Resp:	98147
Ion Ratio	Lower	Upper
240	100	
120	7.8	7.2 10.8
236	24.4	19.0 28.4





#77

Benzidine

Concen: 6.404 ng

RT: 12.898 min Scan# 1838

Delta R.T. 0.200 min

Lab File: BF124360.D

Acq: 17 Jun 2021 13:36

Tgt Ion:184 Resp: 5855

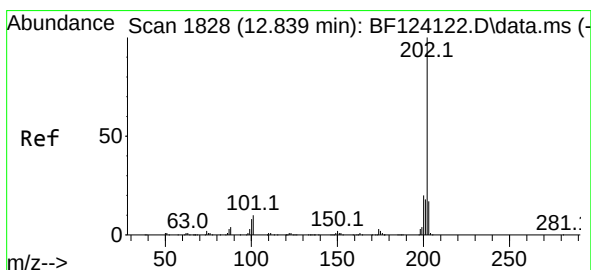
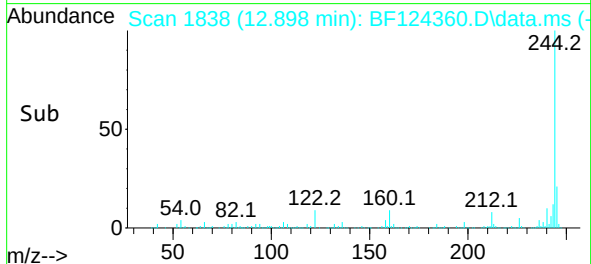
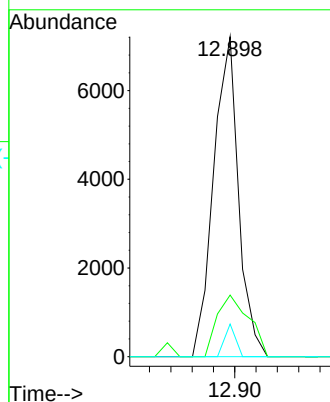
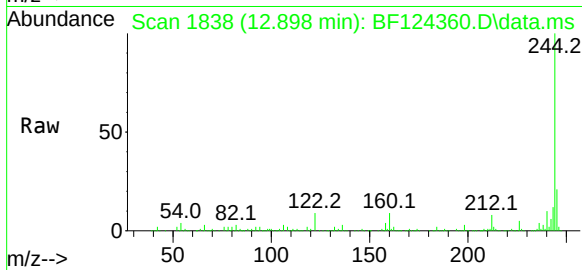
Ion	Ratio	Lower	Upper
184	100		
185	19.3	12.1	18.1#
183	10.2	7.8	11.8

Instrument :

BNA_F

ClientSampleId :

VNJ-216



#78

Pyrene

Concen: 14.510 ng

RT: 12.757 min Scan# 1814

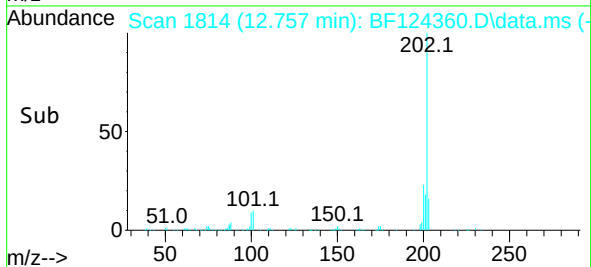
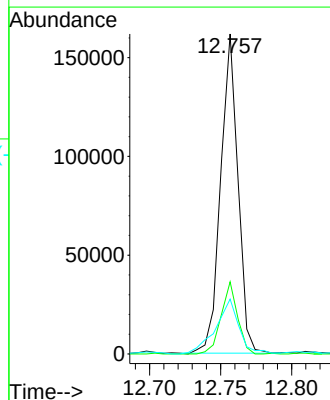
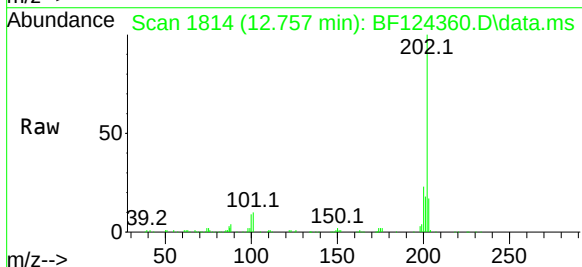
Delta R.T. -0.006 min

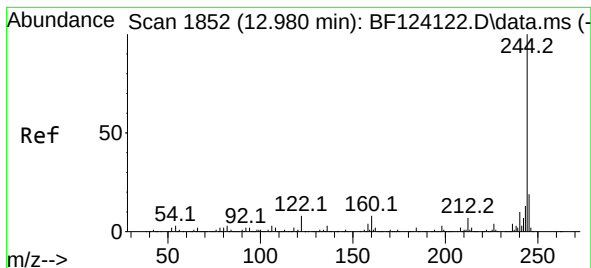
Lab File: BF124360.D

Acq: 17 Jun 2021 13:36

Tgt Ion:202 Resp: 136749

Ion	Ratio	Lower	Upper
202	100		
200	22.6	16.1	24.1
203	17.2	14.8	22.2





#79

Terphenyl-d14

Concen: 42.958 ng

RT: 12.898 min Scan# 1838

Delta R.T. -0.006 min

Lab File: BF124360.D

Acq: 17 Jun 2021 13:36

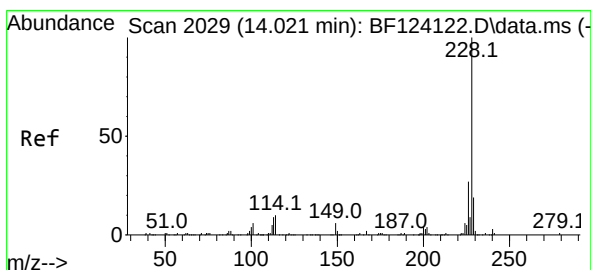
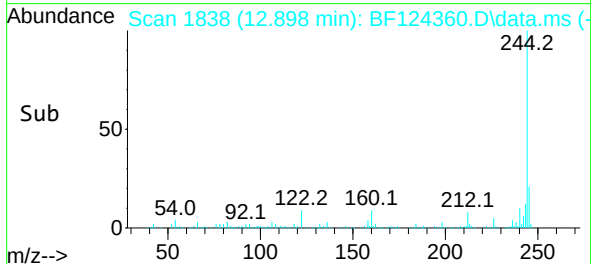
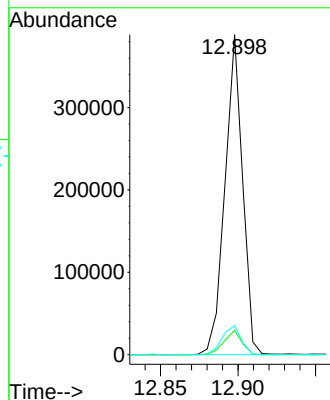
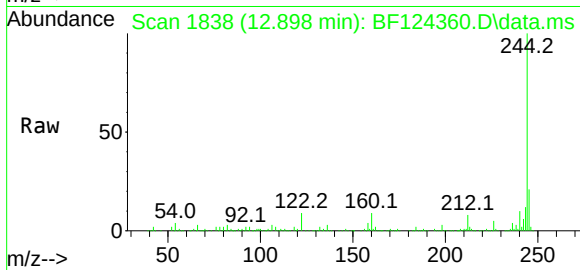
Tgt Ion:244 Resp: 307086

Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

122 9.2 9.7 14.5#



#81

Benzo(a)anthracene

Concen: 8.559 ng

RT: 13.945 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF124360.D

Acq: 17 Jun 2021 13:36

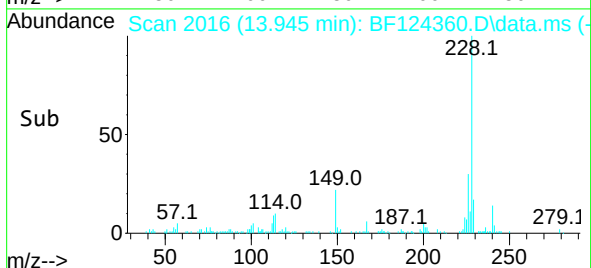
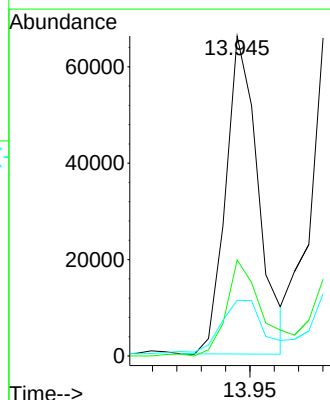
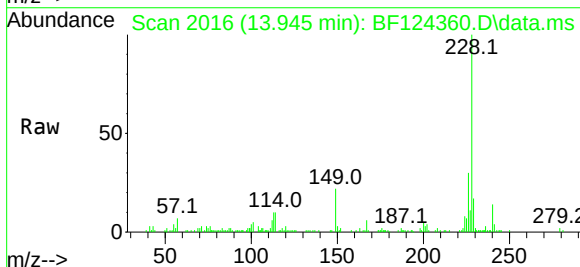
Tgt Ion:228 Resp: 61199

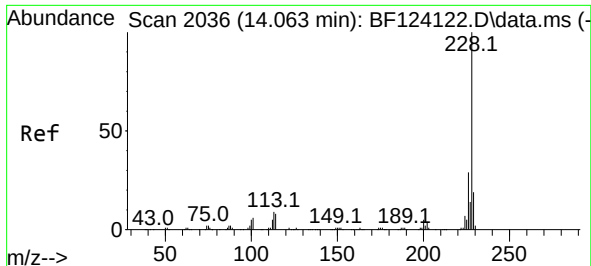
Ion Ratio Lower Upper

228 100

226 30.0 22.4 33.6

229 17.4 16.0 24.0

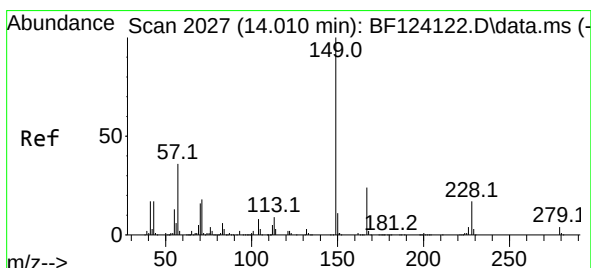
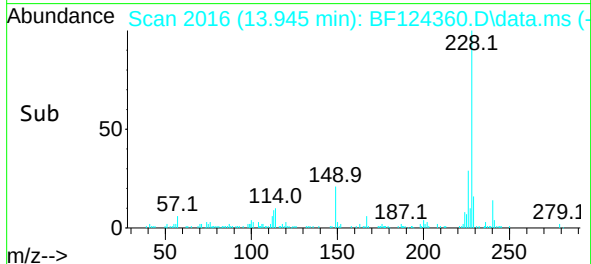
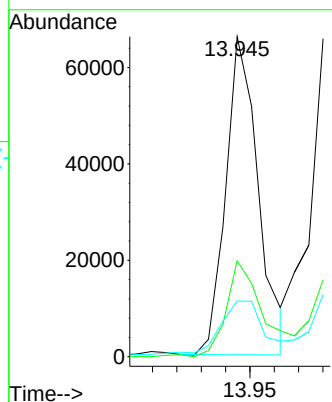
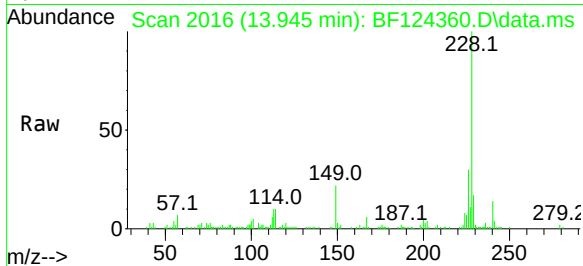




#83
Chrysene
Concen: 8.872 ng
RT: 13.945 min Scan# 2016
Delta R.T. -0.047 min
Lab File: BF124360.D
Acq: 17 Jun 2021 13:36

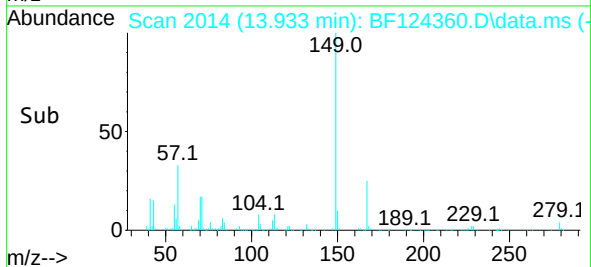
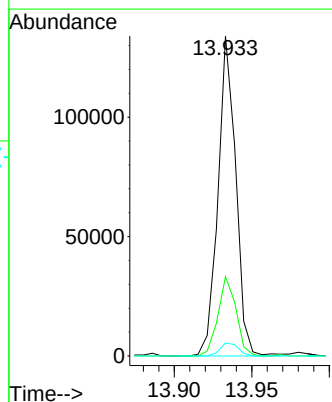
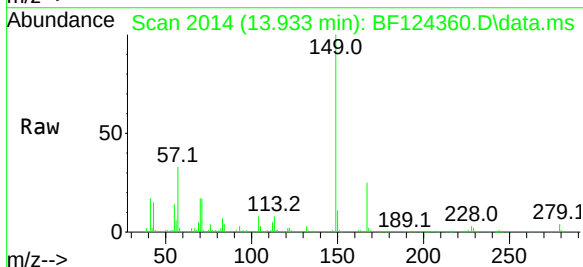
Instrument :
BNA_F
ClientSampleId :
VNJ-216

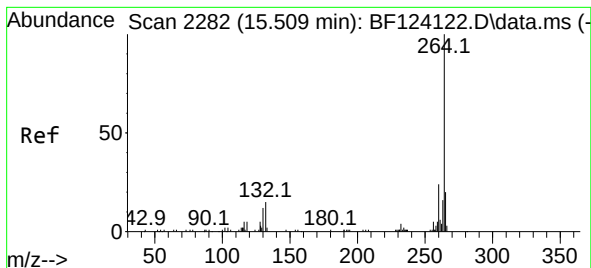
Tgt Ion:228	Resp:	61199
Ion Ratio	Lower	Upper
228	100	
226	30.0	24.3 36.5
229	17.4	16.2 24.2



#84
Bis(2-ethylhexyl)phthalate
Concen: 23.515 ng
RT: 13.933 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF124360.D
Acq: 17 Jun 2021 13:36

Tgt Ion:149	Resp:	106945
Ion Ratio	Lower	Upper
149	100	
167	24.8	21.8 32.6
279	4.1	3.3 4.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 2266

Delta R.T. -0.000 min

Lab File: BF124360.D

Acq: 17 Jun 2021 13:36

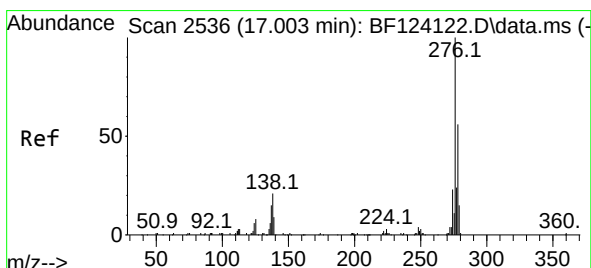
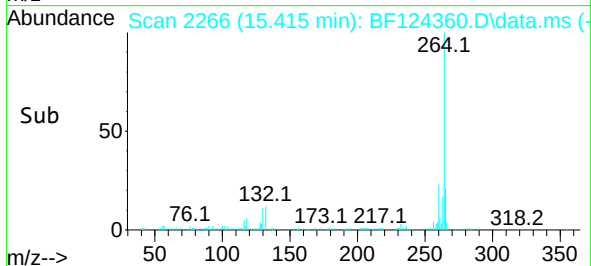
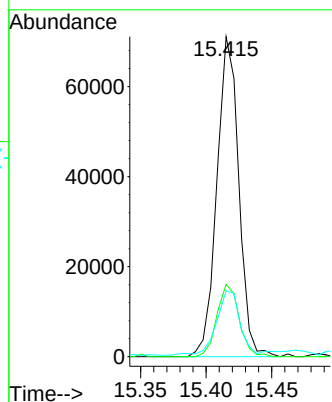
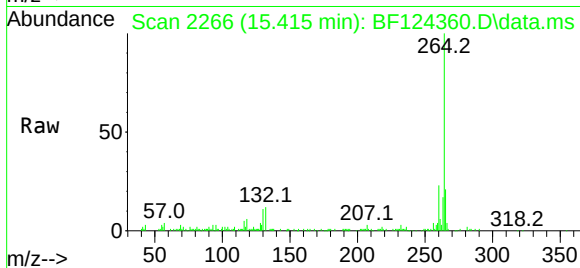
Tgt Ion:264	Resp:	82364
Ion Ratio	Lower	Upper
264	100	
260	22.6	18.7 28.1
265	20.6	17.8 26.8

Instrument :

BNA_F

ClientSampleId :

VNJ-216



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.935 ng

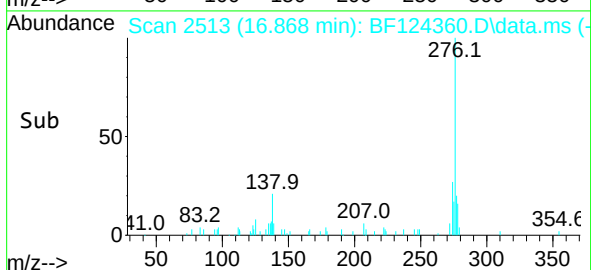
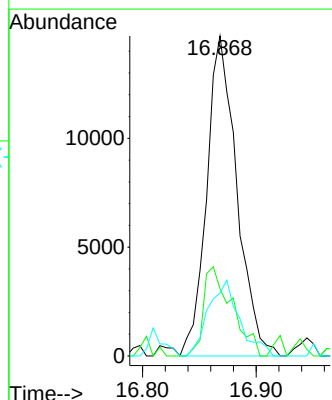
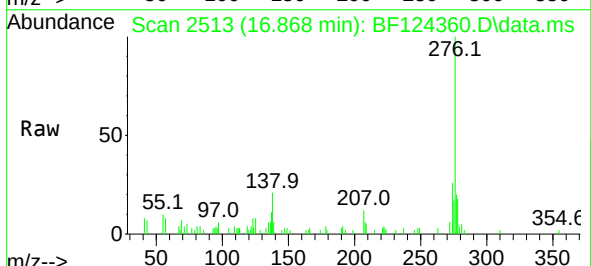
RT: 16.868 min Scan# 2513

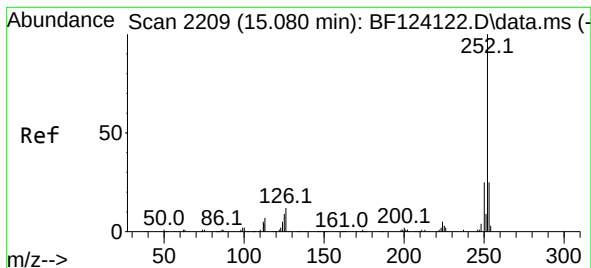
Delta R.T. -0.006 min

Lab File: BF124360.D

Acq: 17 Jun 2021 13:36

Tgt Ion:276	Resp:	27124
Ion Ratio	Lower	Upper
276	100	
138	26.3	16.2 24.2#
277	24.4	20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 16.963 ng

RT: 14.998 min Scan# 2195

Delta R.T. -0.000 min

Lab File: BF124360.D

Acq: 17 Jun 2021 13:36

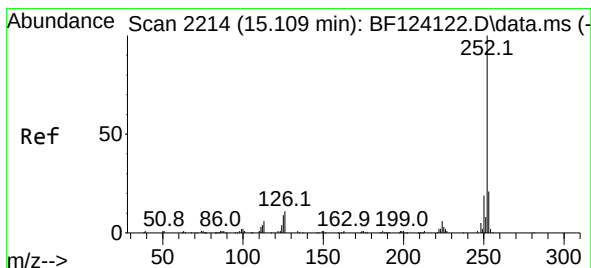
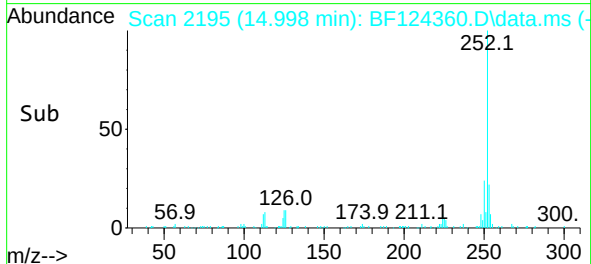
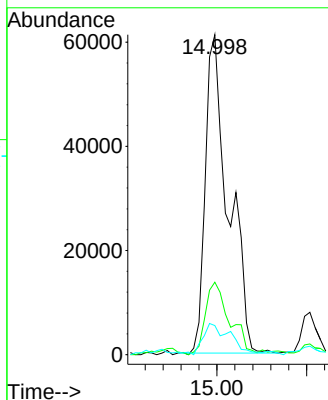
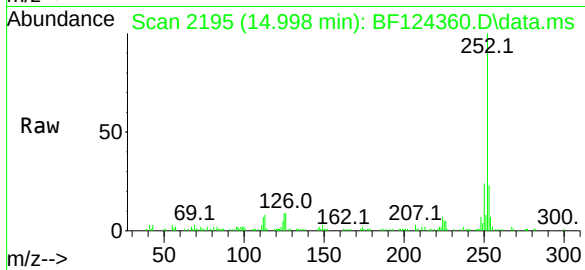
Tgt Ion:252 Resp: 108533

Ion Ratio Lower Upper

252 100

253 22.7 18.1 27.1

125 9.1 6.2 9.4



#89

Benzo(k)fluoranthene

Concen: 17.919 ng

RT: 14.998 min Scan# 2195

Delta R.T. -0.029 min

Lab File: BF124360.D

Acq: 17 Jun 2021 13:36

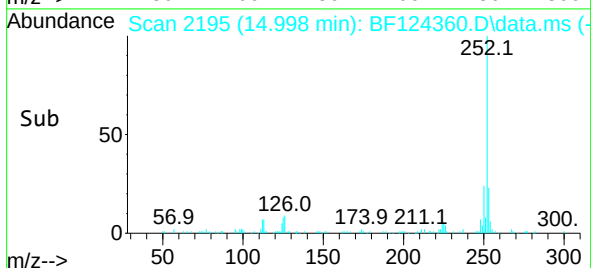
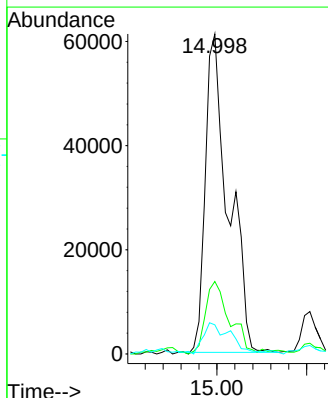
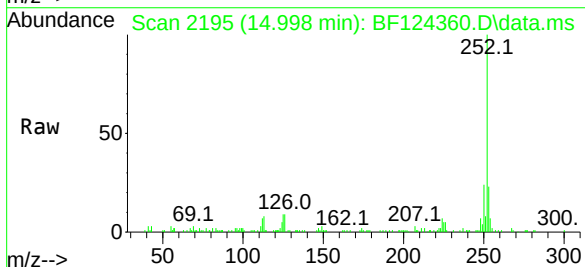
Tgt Ion:252 Resp: 108533

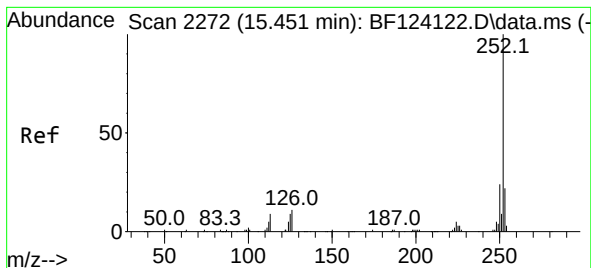
Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

125 9.1 7.0 10.6

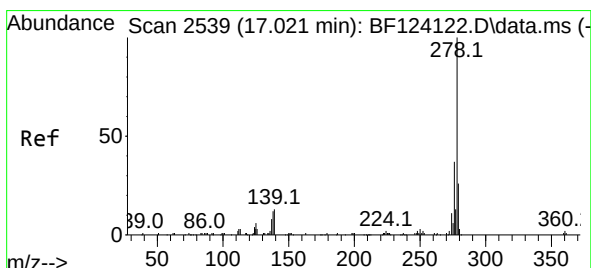
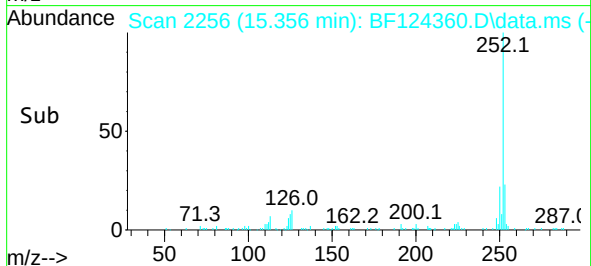
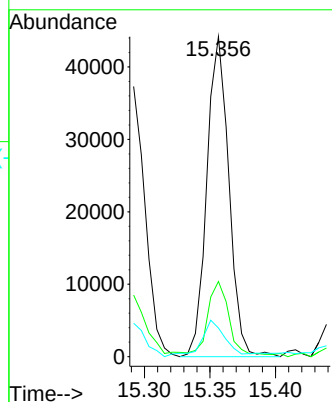
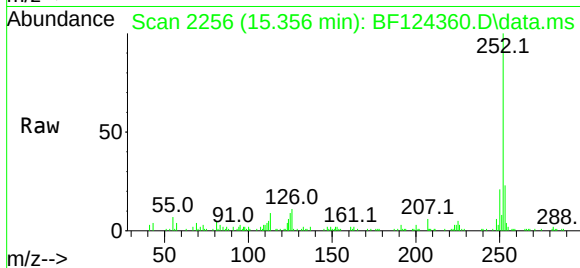




#90
Benzo(a)pyrene
Concen: 9.305 ng
RT: 15.356 min Scan# 2256
Delta R.T. -0.000 min
Lab File: BF124360.D
Acq: 17 Jun 2021 13:36

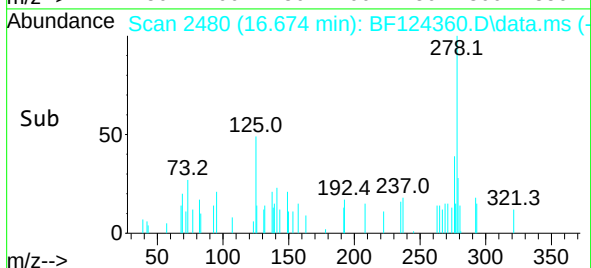
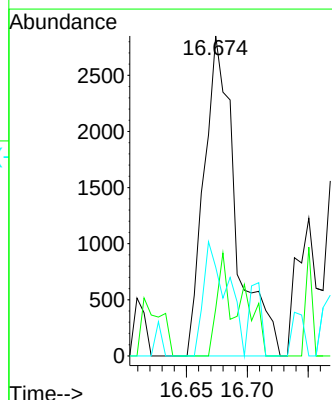
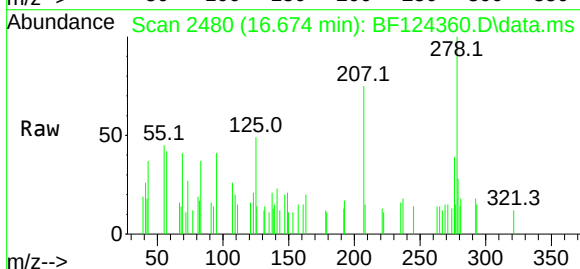
Instrument :
BNA_F
ClientSampleId :
VNJ-216

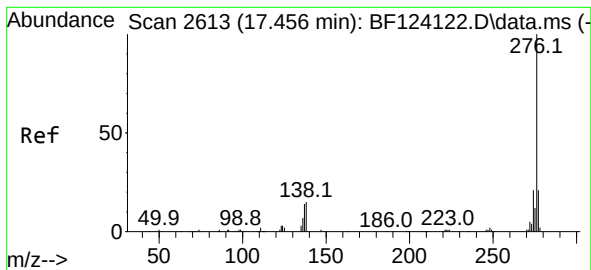
Tgt Ion:252 Resp: 51710
Ion Ratio Lower Upper
252 100
253 23.5 18.4 27.6
125 8.9 8.0 12.0



#91
Dibenzo(a,h)anthracene
Concen: 4.979 ng
RT: 16.674 min Scan# 2480
Delta R.T. -0.212 min
Lab File: BF124360.D
Acq: 17 Jun 2021 13:36

Tgt Ion:278 Resp: 5154
Ion Ratio Lower Upper
278 100
139 14.8 10.2 15.2
279 27.7 19.4 29.0





#92
 Benzo(g,h,i)perylene
 Concen: 4.620 ng
 RT: 17.556 min Scan# 2630
 Delta R.T. 0.241 min
 Lab File: BF124360.D
 Acq: 17 Jun 2021 13:36

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-216

Tgt Ion:276 Resp: 5095
 Ion Ratio Lower Upper
 276 100
 277 24.7 18.2 27.2
 138 19.8 13.8 20.6

