

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080921\
 Data File : BF125012.D
 Acq On : 9 Aug 2021 21:01
 Operator : JU/CG
 Sample : M3307-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ219-367

Quant Time: Aug 10 04:45:59 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 09 11:03:44 2021
 Response via : Initial Calibration

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

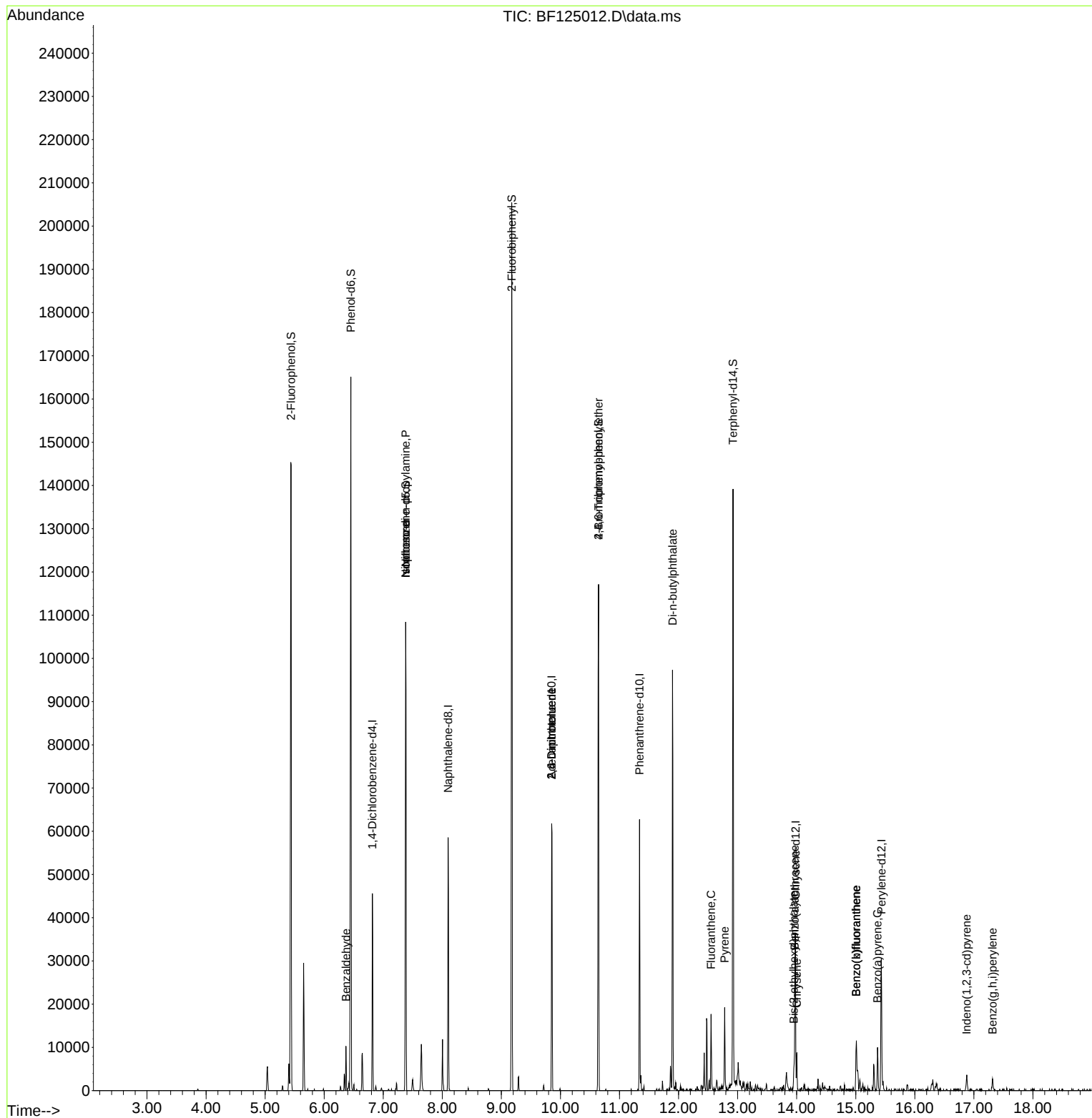
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	6470	20.00	ng	0.00
21) Naphthalene-d8	8.098	136	25395	20.00	ng	0.00
39) Acenaphthene-d10	9.851	164	13673	20.00	ng	-0.01
64) Phenanthrene-d10	11.339	188	20884	20.00	ng	0.00
76) Chrysene-d12	13.980	240	13263	20.00	ng	# 0.00
86) Perylene-d12	15.433	264	14306	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	41877	106.03	ng	0.00
7) Phenol-d6	6.451	99	49977	100.35	ng	0.00
23) Nitrobenzene-d5	7.381	82	34286	70.63	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	11614	95.08	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	59931	64.14	ng	0.00
79) Terphenyl-d14	12.922	244	42706	54.31	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.369	77	1667	6.15	ng	86
19) n-Nitroso-di-n-propyla...	7.381	70	4471	15.13	ng	# 67
25) Isophorone	7.381	82	34284	41.38	ng	# 59
51) 2,6-Dinitrotoluene	9.851	165	1852	8.98	ng	# 26
57) 2,4-Dinitrotoluene	9.851	165	1852	6.61	ng	# 18
67) 4-Bromophenyl-phenylether	10.645	248	711	3.11	ng	# 1
74) Di-n-butylphthalate	11.898	149	46816	35.34	ng	99
75) Fluoranthene	12.551	202	7486	6.39	ng	98
78) Pyrene	12.780	202	7989	7.65	ng	98
81) Benzo(a)anthracene	13.969	228	4849	5.61	ng	96
83) Chrysene	14.004	228	4705	5.63	ng	94
84) Bis(2-ethylhexyl)phtha...	13.951	149	1789	2.77	ng	# 89
87) Indeno(1,2,3-cd)pyrene	16.874	276	2930	3.44	ng	# 75
88) Benzo(b)fluoranthene	15.010	252	9851	9.81	ng	97
89) Benzo(k)fluoranthene	15.010	252	9851	10.78	ng	# 94
90) Benzo(a)pyrene	15.368	252	5226	6.11	ng	# 94
92) Benzo(g,h,i)perylene	17.315	276	2254	3.14	ng	# 92

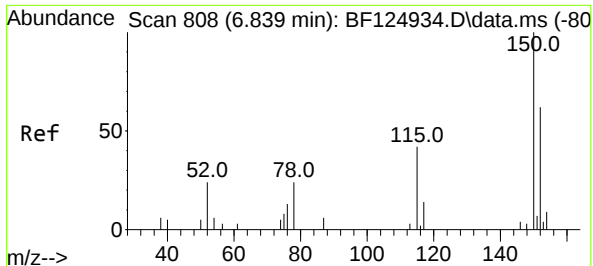
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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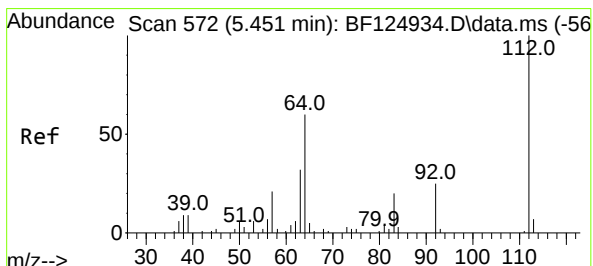
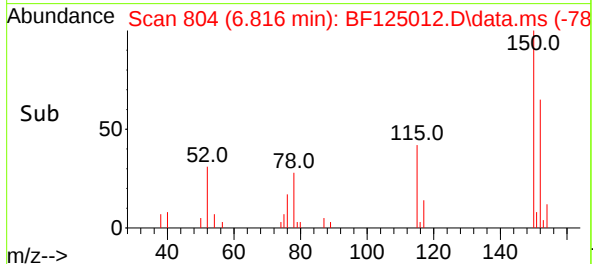
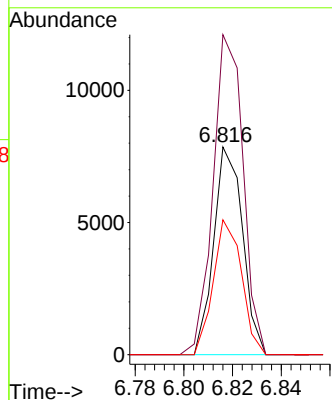
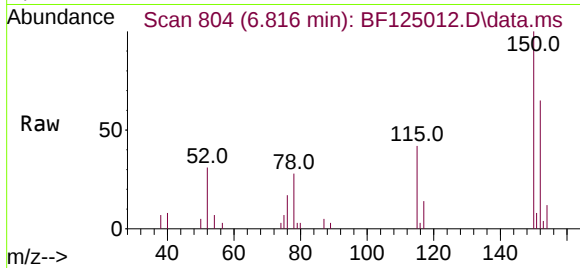




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF125012.D
Acq: 9 Aug 2021 21:01

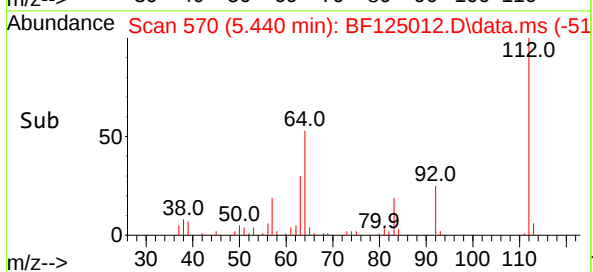
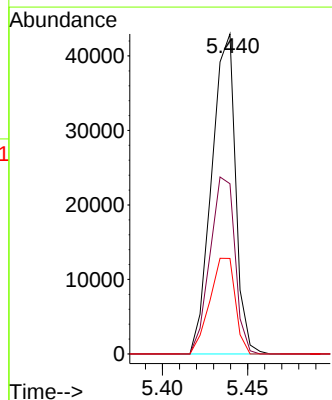
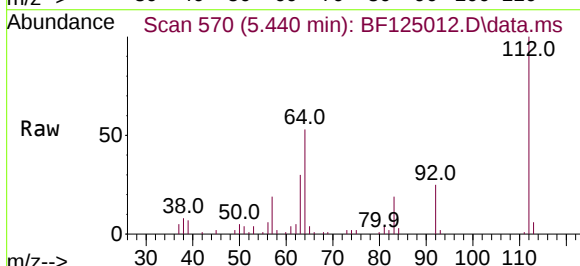
Instrument :
BNA_F
ClientSampleId :
VNJ219-367

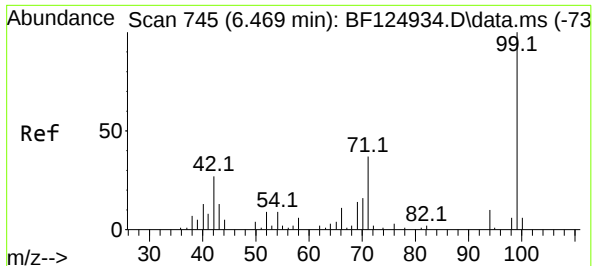
Tgt Ion:152 Resp: 6470
Ion Ratio Lower Upper
152 100
150 154.1 117.6 176.4
115 64.9 47.1 70.7



#5
2-Fluorophenol
Concen: 106.03 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.000 min
Lab File: BF125012.D
Acq: 9 Aug 2021 21:01

Tgt Ion:112 Resp: 41877
Ion Ratio Lower Upper
112 100
64 53.2 44.2 66.2
63 29.9 26.2 39.2

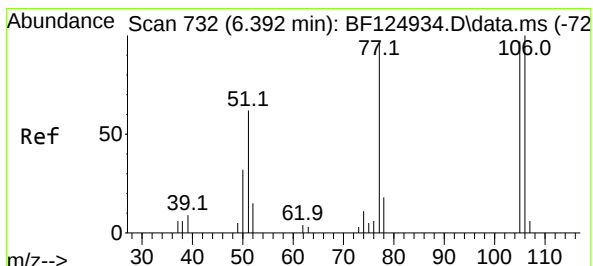
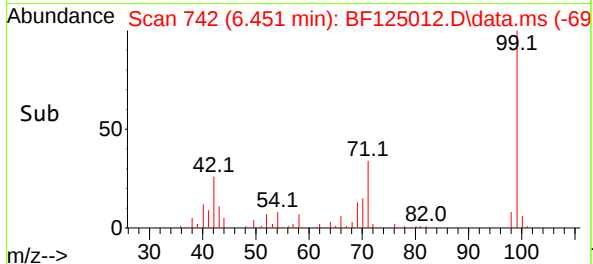
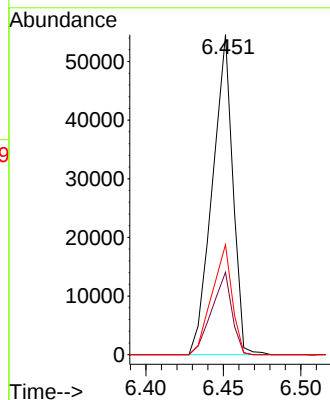
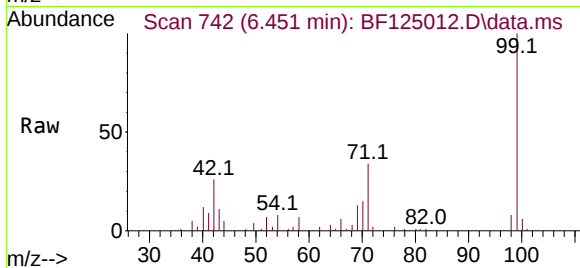




#7
Phenol-d6
Concen: 100.35 ng
RT: 6.451 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF125012.D
Acq: 9 Aug 2021 21:01

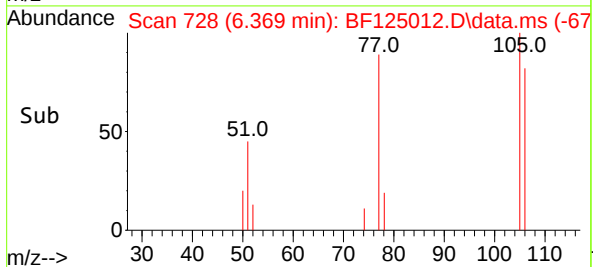
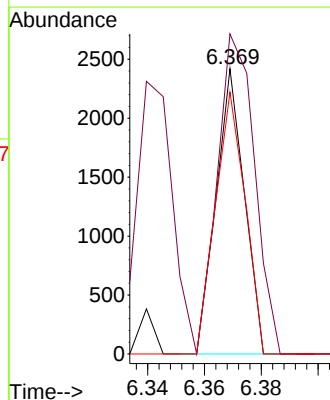
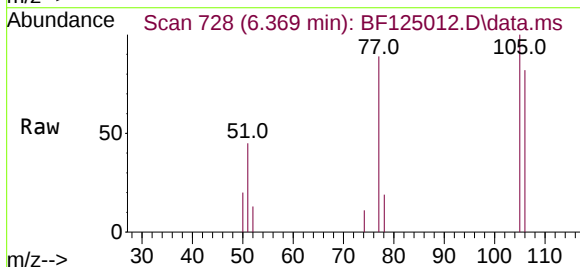
Instrument :
BNA_F
ClientSampleId :
VNJ219-367

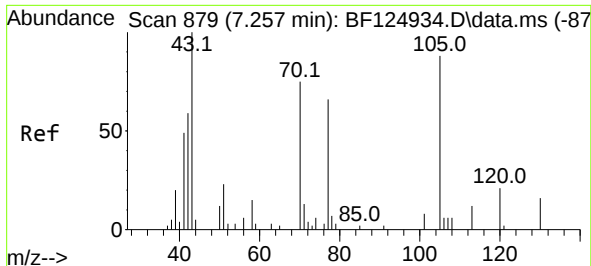
Tgt Ion:	99	Resp:	49977
Ion	Ratio	Lower	Upper
99	100		
42	25.8	23.5	35.3
71	34.4	25.6	38.4



#9
Benzaldehyde
Concen: 6.15 ng
RT: 6.369 min Scan# 728
Delta R.T. -0.006 min
Lab File: BF125012.D
Acq: 9 Aug 2021 21:01

Tgt Ion:	77	Resp:	1667
Ion	Ratio	Lower	Upper
77	100		
105	112.1	75.9	115.9
106	91.8	84.0	124.0





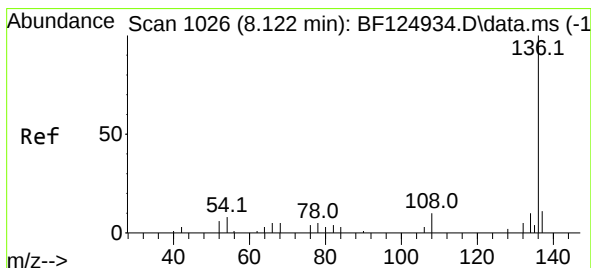
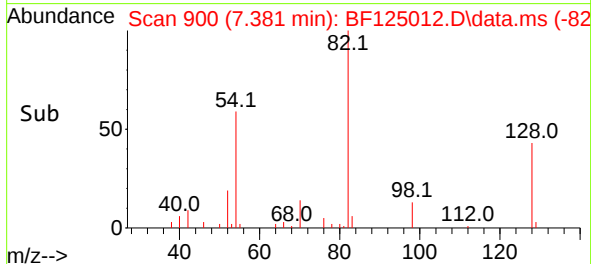
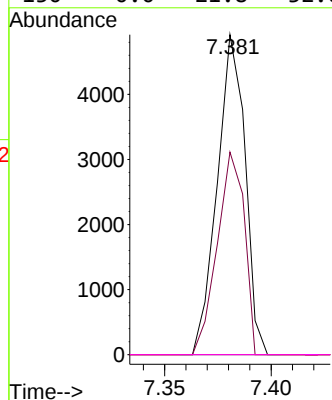
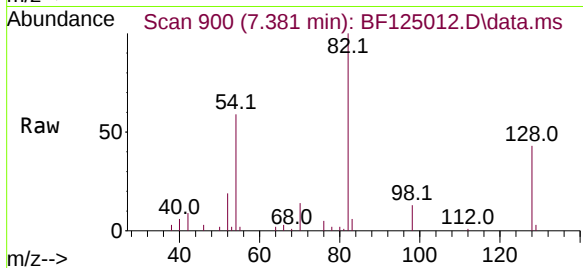
#19

n-Nitroso-di-n-propylamine
Concen: 15.13 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF125012.D
Acq: 9 Aug 2021 21:01

Instrument :
BNA_F
ClientSampleId :
VNJ219-367

Tgt Ion: 70 Resp: 4471

Ion	Ratio	Lower	Upper
70	100		
42	63.3	72.2	108.2#
101	0.0	7.8	11.8#
130	0.0	21.8	32.6#

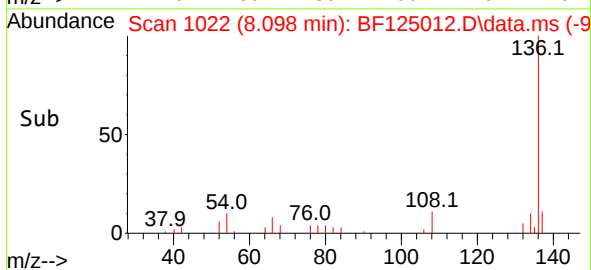
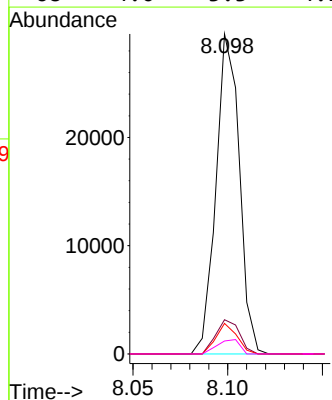
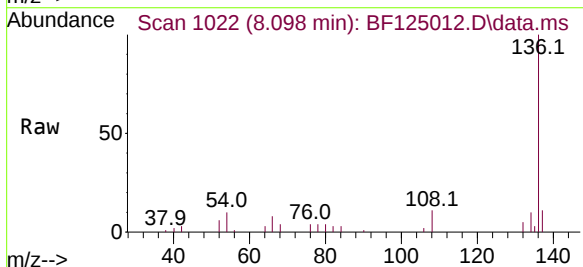


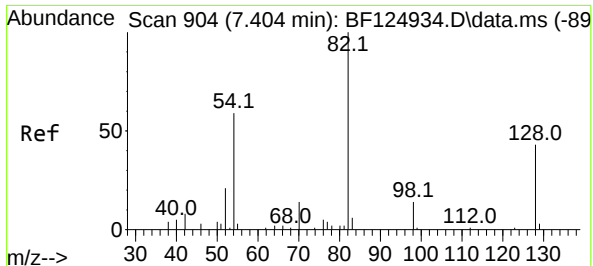
#21

Naphthalene-d8
Concen: 20.00 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF125012.D
Acq: 9 Aug 2021 21:01

Tgt Ion: 136 Resp: 25395

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.8	14.6
54	9.5	6.4	9.6
68	4.0	3.3	4.9





#23

Nitrobenzene-d5

Concen: 70.63 ng

RT: 7.381 min Scan# 900

Delta R.T. -0.012 min

Lab File: BF125012.D

Acq: 9 Aug 2021 21:01

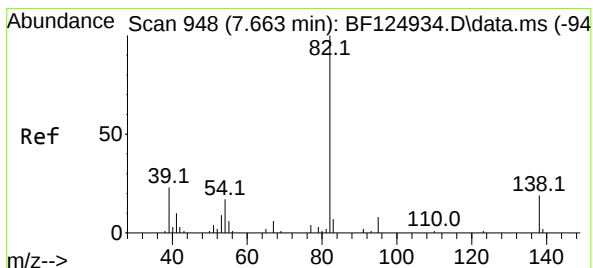
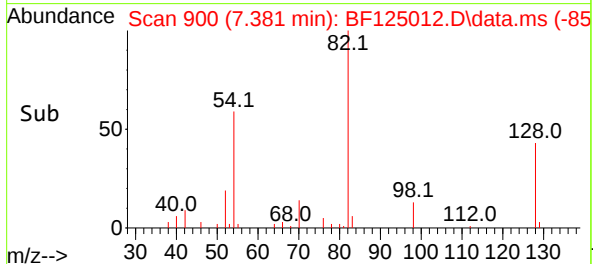
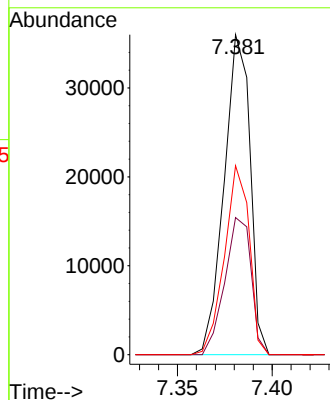
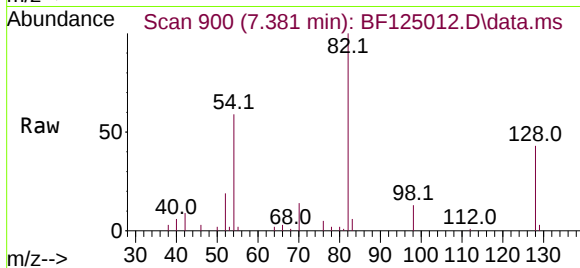
Tgt Ion: 82 Resp: 34286

Ion Ratio Lower Upper

82 100

128 42.8 40.6 60.8

54 59.0 49.6 74.4



#25

Isophorone

Concen: 41.38 ng

RT: 7.381 min Scan# 900

Delta R.T. -0.265 min

Lab File: BF125012.D

Acq: 9 Aug 2021 21:01

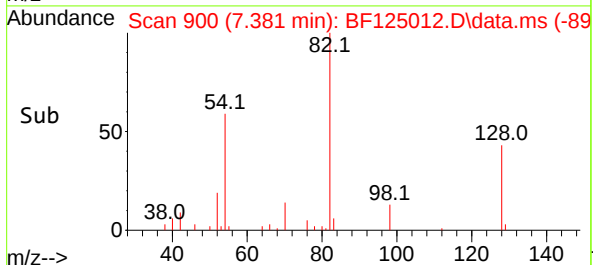
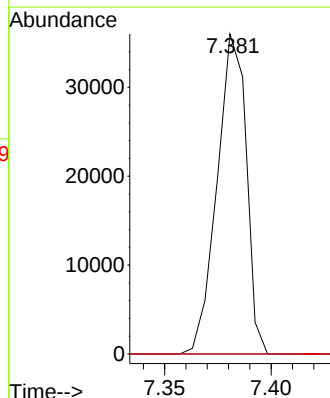
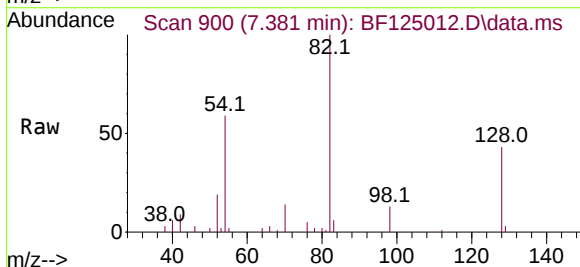
Tgt Ion: 82 Resp: 34284

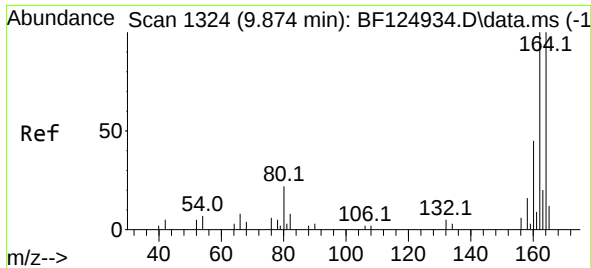
Ion Ratio Lower Upper

82 100

95 0.0 6.5 9.7#

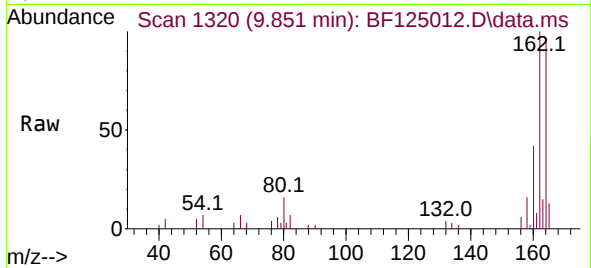
138 0.0 18.4 27.6#



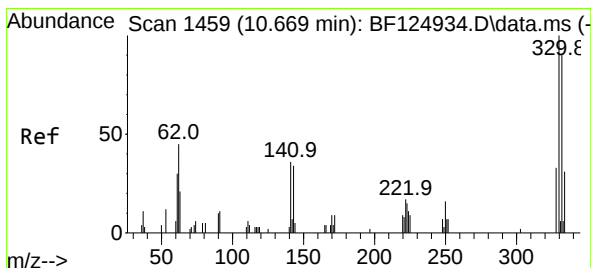
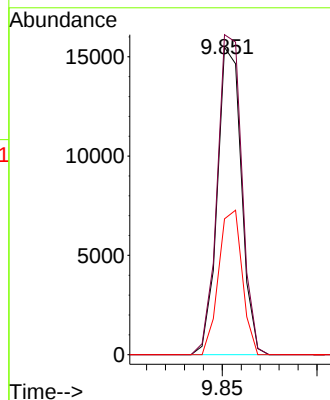
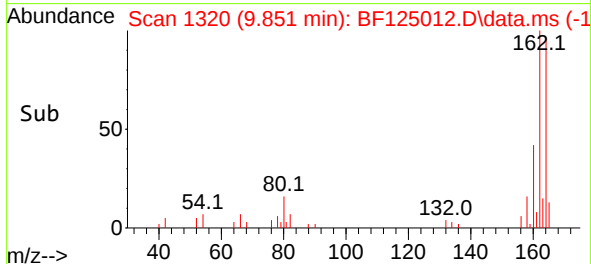


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF125012.D
Acq: 9 Aug 2021 21:01

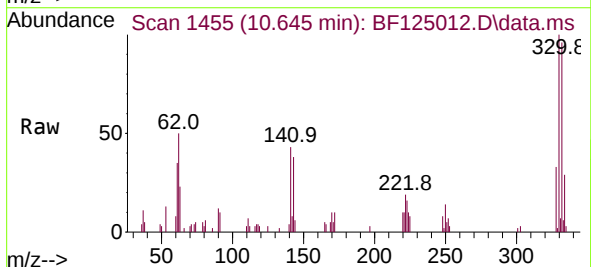
Instrument :
BNA_F
ClientSampleId :
VNJ219-367



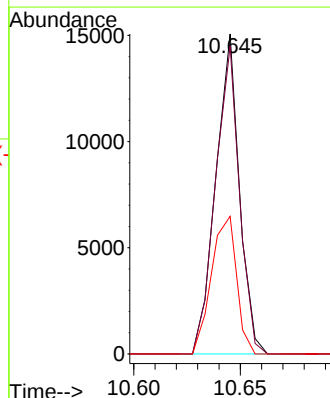
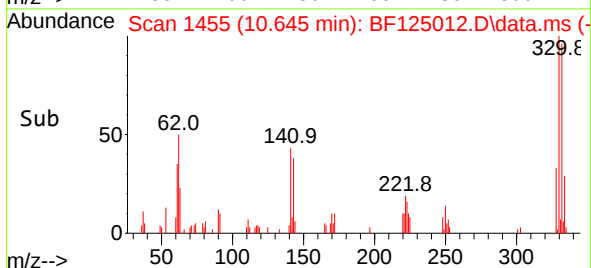
Tgt Ion:164 Resp: 13673
Ion Ratio Lower Upper
164 100
162 104.1 81.3 121.9
160 44.2 38.0 57.0

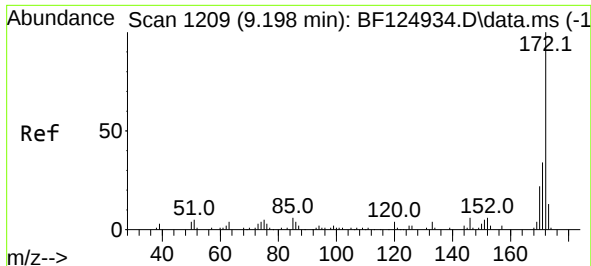


#42
2,4,6-Tribromophenol
Concen: 95.08 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF125012.D
Acq: 9 Aug 2021 21:01



Tgt Ion:330 Resp: 11614
Ion Ratio Lower Upper
330 100
332 97.4 76.2 114.4
141 45.8 44.6 66.8

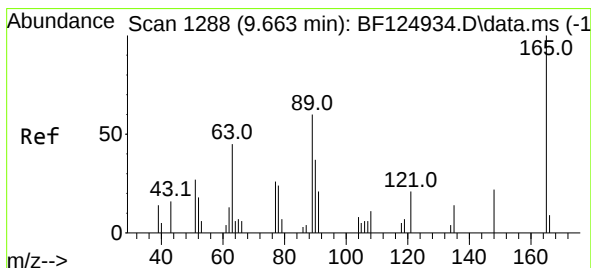
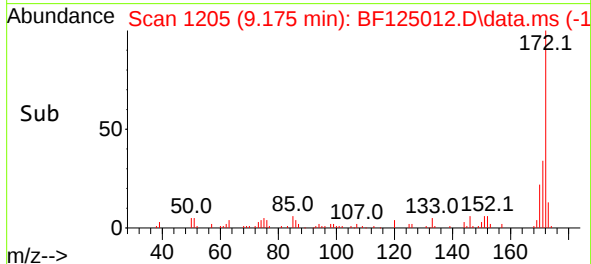
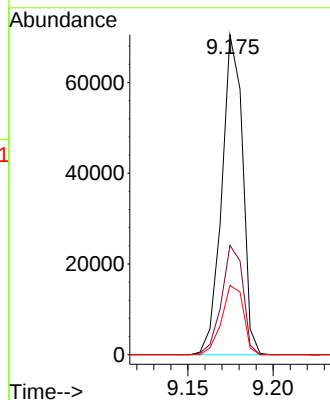
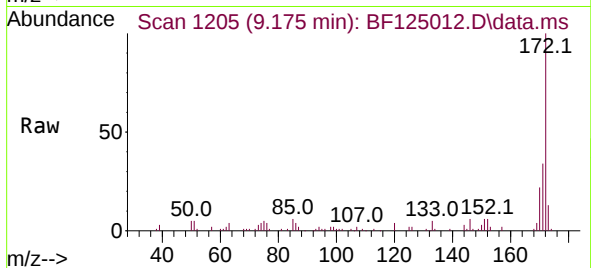




#45
2-Fluorobiphenyl
Concen: 64.14 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF125012.D
Acq: 9 Aug 2021 21:01

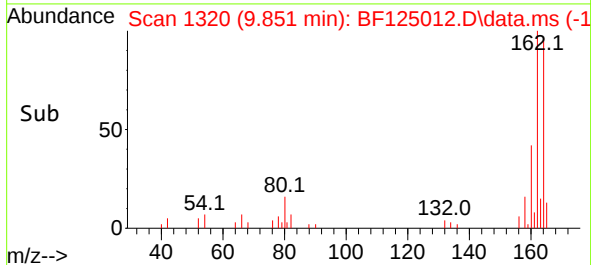
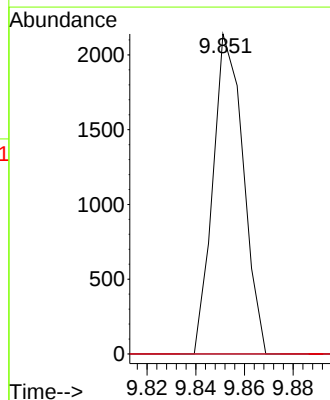
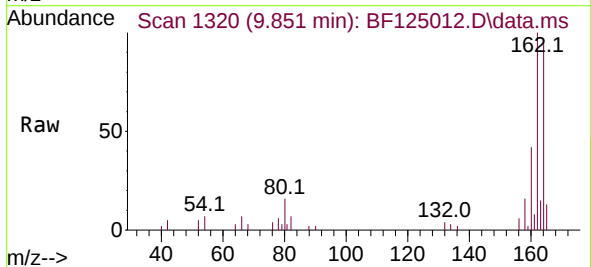
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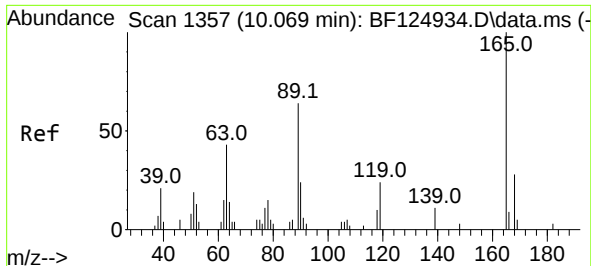
Tgt Ion:172	Resp:	59931
Ion Ratio	Lower	Upper
172	100	
171	34.1	26.5 39.7
170	21.6	18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 8.98 ng
RT: 9.851 min Scan# 1320
Delta R.T. 0.206 min
Lab File: BF125012.D
Acq: 9 Aug 2021 21:01

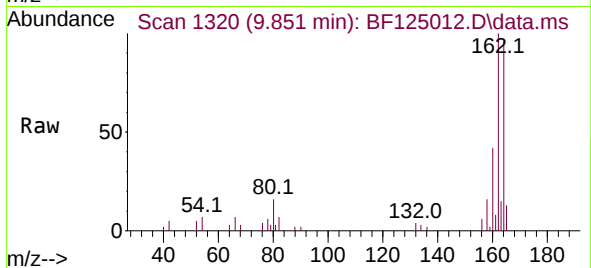
Tgt Ion:165	Resp:	1852
Ion Ratio	Lower	Upper
165	100	
63	0.0	42.6 63.8#
89	0.0	40.6 60.8#



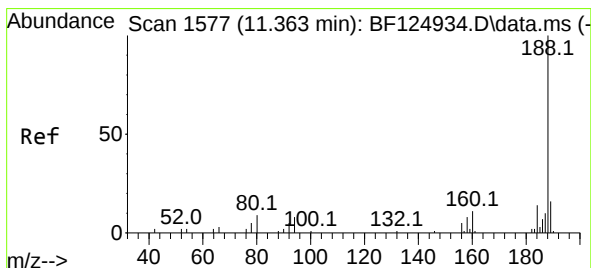
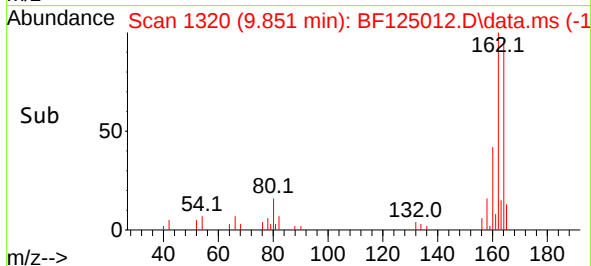
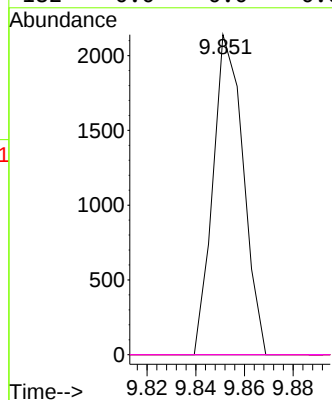


#57
2,4-Dinitrotoluene
Concen: 6.61 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.200 min
Lab File: BF125012.D
Acq: 9 Aug 2021 21:01

Instrument :
BNA_F
ClientSampleId :
VNJ219-367

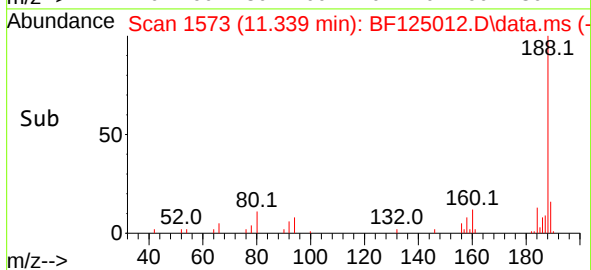
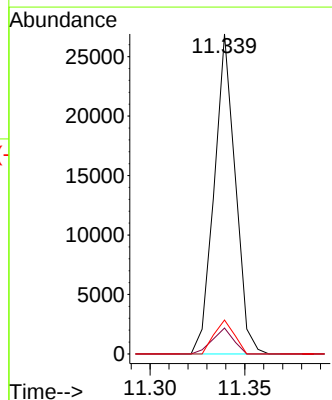
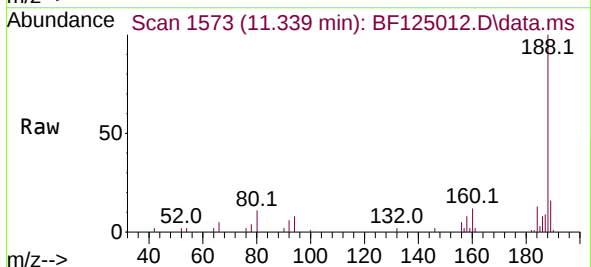


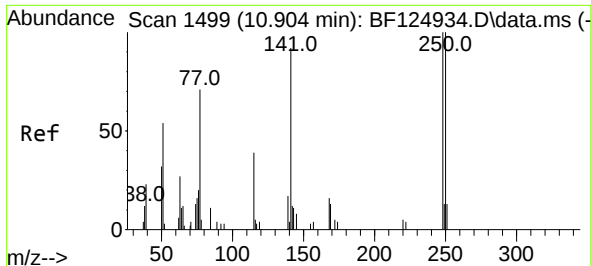
Tgt Ion:165 Resp: 1852
Ion Ratio Lower Upper
165 100
63 0.0 40.9 61.3#
89 0.0 59.7 89.5#
182 0.0 0.0 0.0



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF125012.D
Acq: 9 Aug 2021 21:01

Tgt Ion:188 Resp: 20884
Ion Ratio Lower Upper
188 100
94 8.1 6.7 10.1
80 10.6 7.5 11.3

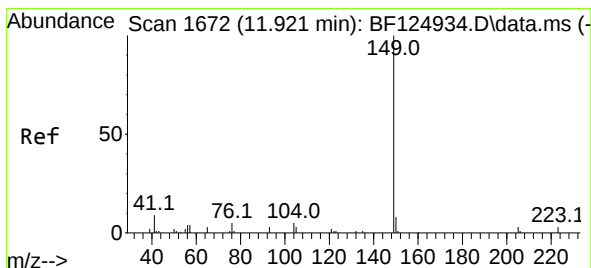
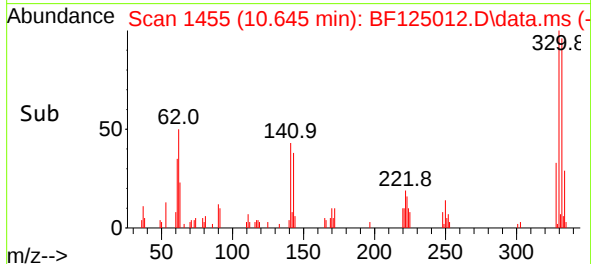
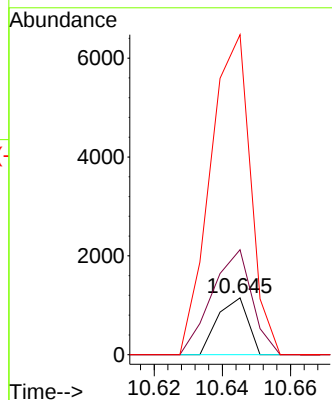
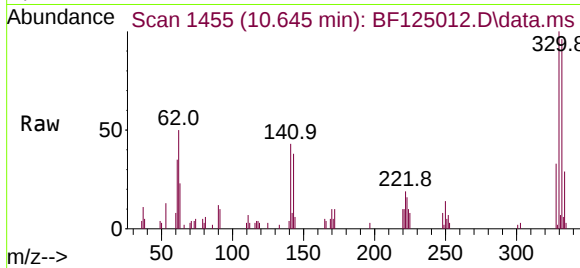




#67
4-Bromophenyl-phenylether
Concen: 3.11 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.241 min
Lab File: BF125012.D
Acq: 9 Aug 2021 21:01

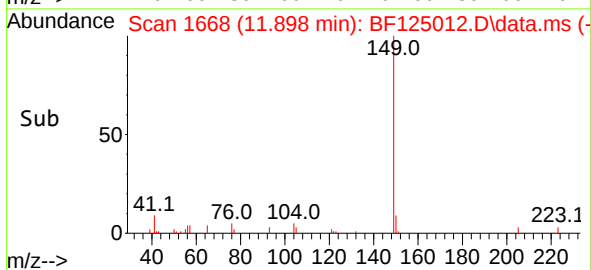
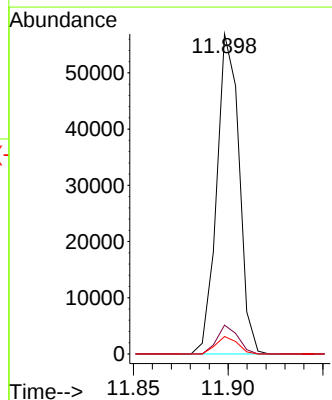
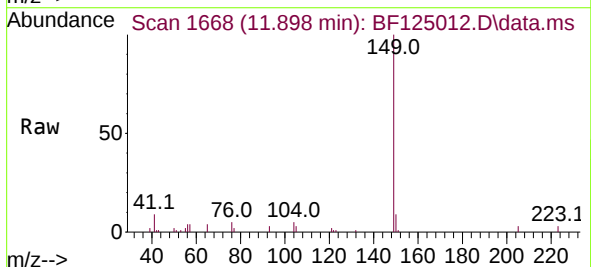
Instrument :
BNA_F
ClientSampleId :
VNJ219-367

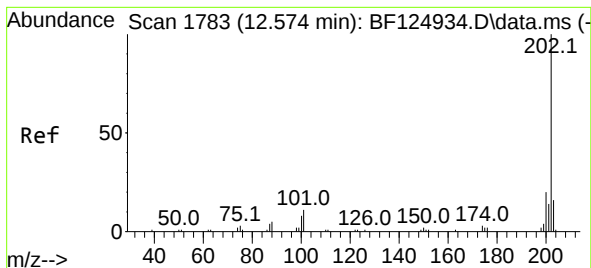
Tgt Ion:248 Resp: 711
Ion Ratio Lower Upper
248 100
250 184.4 74.2 111.4#
141 562.6 60.4 90.6#



#74
Di-n-butylphthalate
Concen: 35.34 ng
RT: 11.898 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BF125012.D
Acq: 9 Aug 2021 21:01

Tgt Ion:149 Resp: 46816
Ion Ratio Lower Upper
149 100
150 9.0 7.4 11.2
104 5.5 4.1 6.1

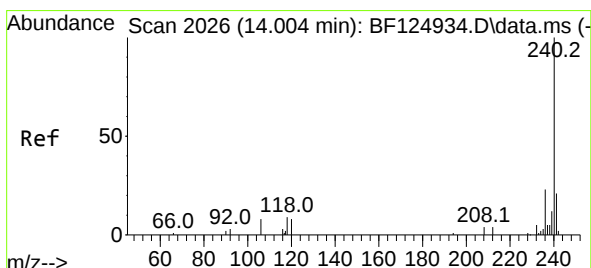
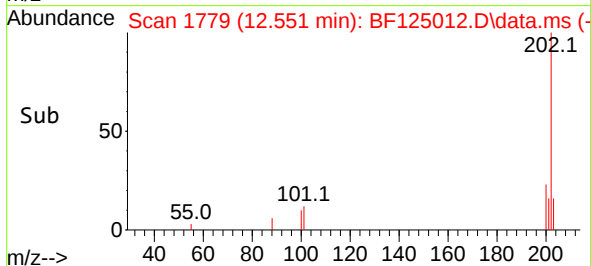
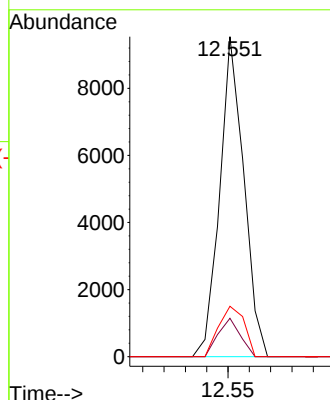
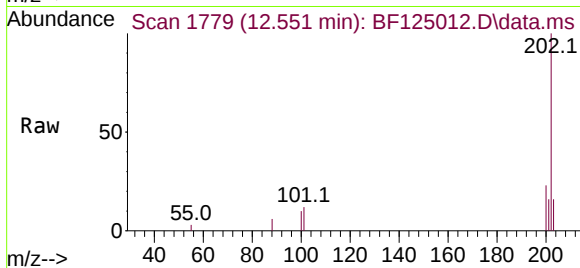




#75
Fluoranthene
Concen: 6.39 ng
RT: 12.551 min Scan# 1779
Delta R.T. -0.006 min
Lab File: BF125012.D
Acq: 9 Aug 2021 21:01

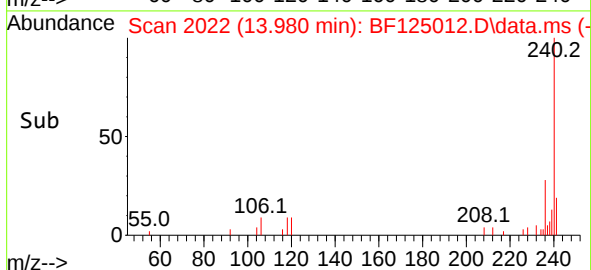
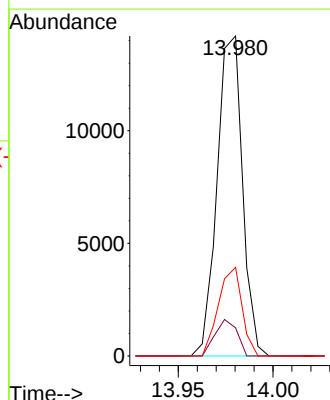
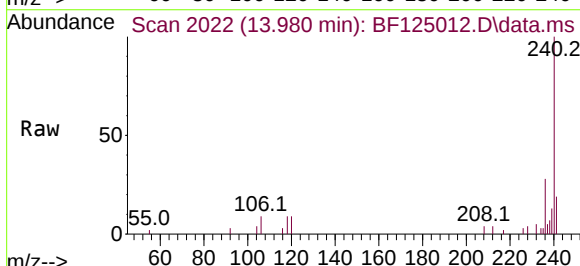
Instrument :
BNA_F
ClientSampleId :
VNJ219-367

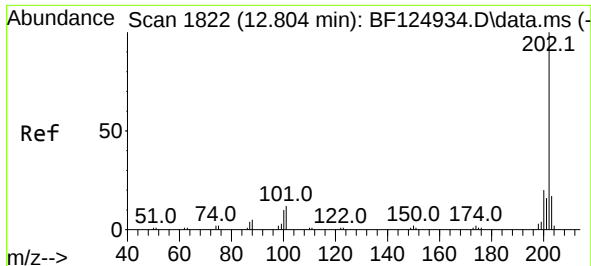
Tgt Ion:202	Resp:	7486
Ion Ratio	Lower	Upper
202	100	
101	12.0	0.0 30.7
203	15.7	0.0 36.3



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF125012.D
Acq: 9 Aug 2021 21:01

Tgt Ion:240	Resp:	13263
Ion Ratio	Lower	Upper
240	100	
120	8.8	10.8 16.2#
236	27.7	21.6 32.4

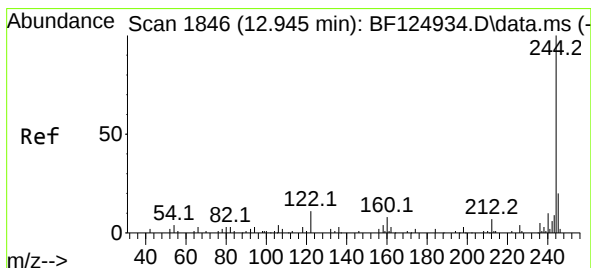
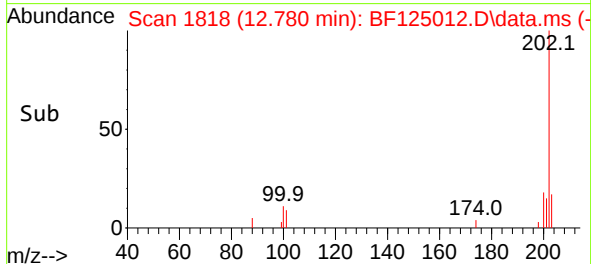
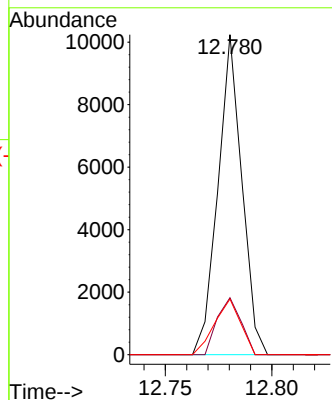
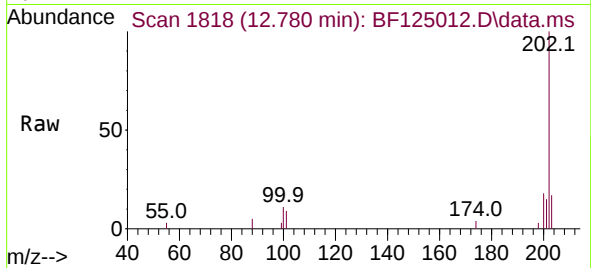




#78
Pyrene
Concen: 7.65 ng
RT: 12.780 min Scan# 1818
Delta R.T. -0.006 min
Lab File: BF125012.D
Acq: 9 Aug 2021 21:01

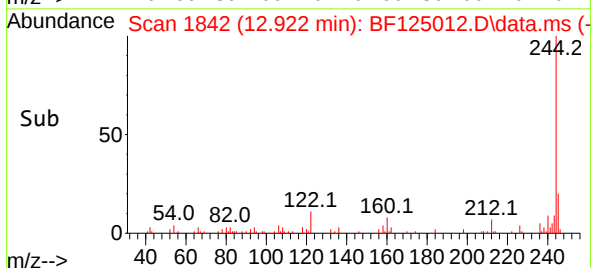
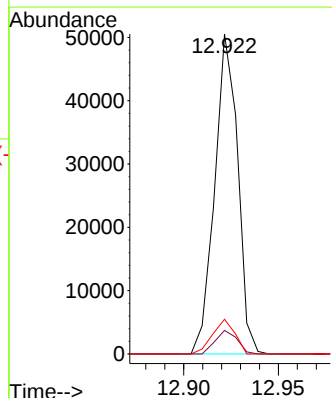
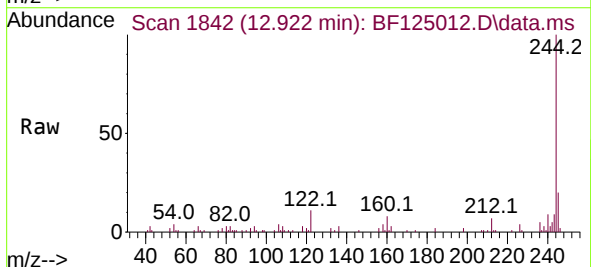
Instrument :
BNA_F
ClientSampleId :
VNJ219-367

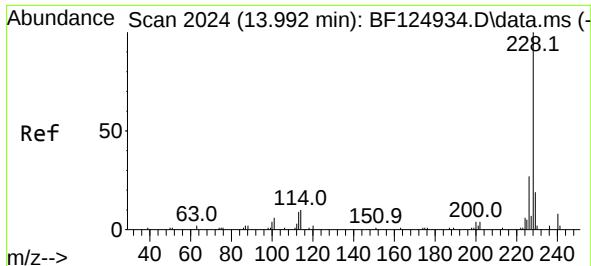
Tgt Ion:202 Resp: 7989
Ion Ratio Lower Upper
202 100
200 17.8 15.3 22.9
203 17.4 13.4 20.0



#79
Terphenyl-d14
Concen: 54.31 ng
RT: 12.922 min Scan# 1842
Delta R.T. -0.006 min
Lab File: BF125012.D
Acq: 9 Aug 2021 21:01

Tgt Ion:244 Resp: 42706
Ion Ratio Lower Upper
244 100
212 7.4 5.9 8.9
122 10.9 9.0 13.4

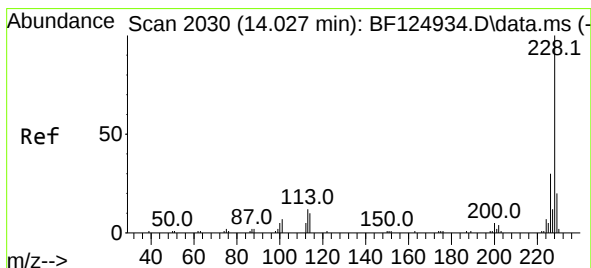
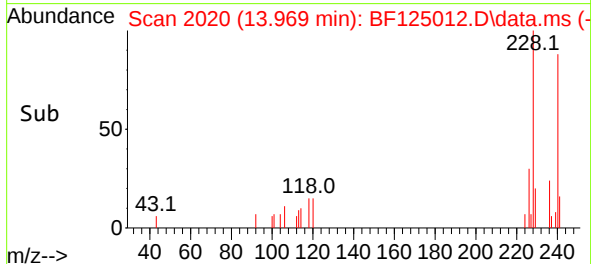
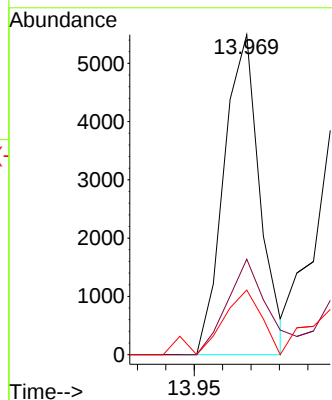
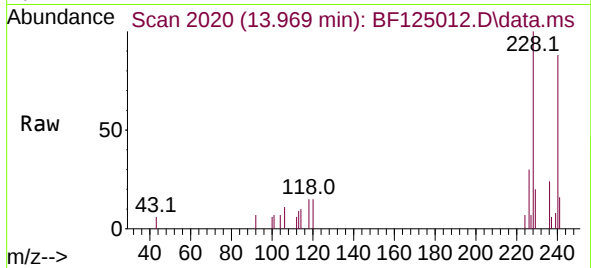




#81
Benzo(a)anthracene
Concen: 5.61 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF125012.D
Acq: 9 Aug 2021 21:01

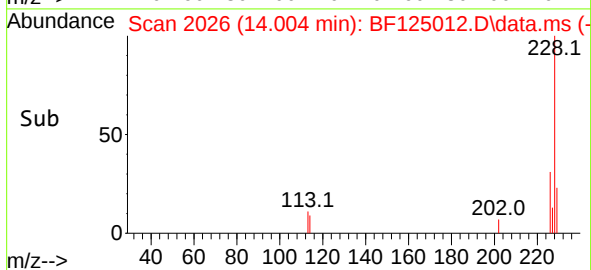
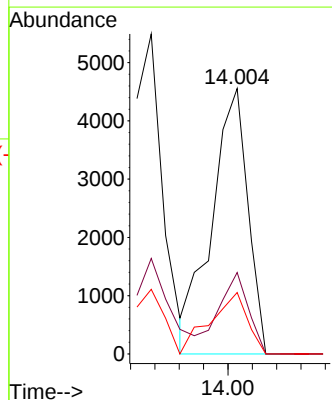
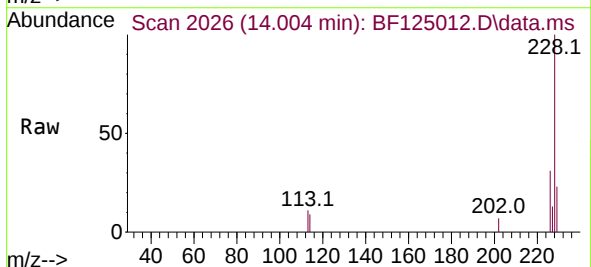
Instrument :
BNA_F
ClientSampleId :
VNJ219-367

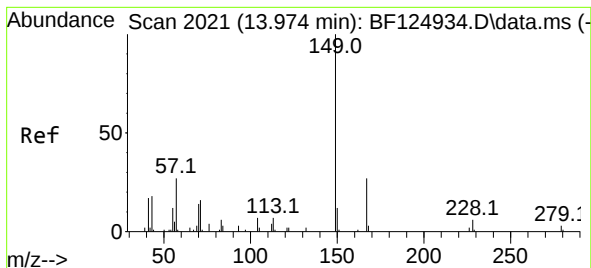
Tgt Ion:228 Resp: 4849
Ion Ratio Lower Upper
228 100
226 29.8 21.6 32.4
229 20.2 15.6 23.4



#83
Chrysene
Concen: 5.63 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF125012.D
Acq: 9 Aug 2021 21:01

Tgt Ion:228 Resp: 4705
Ion Ratio Lower Upper
228 100
226 30.7 22.6 34.0
229 23.2 15.9 23.9

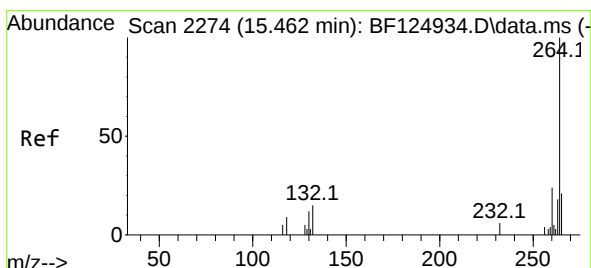
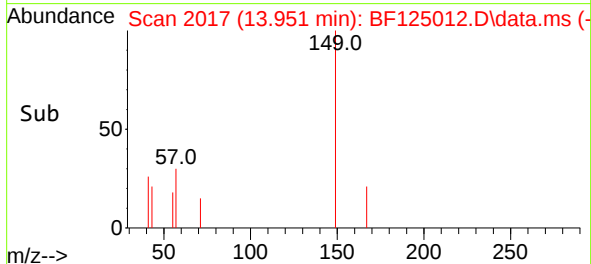
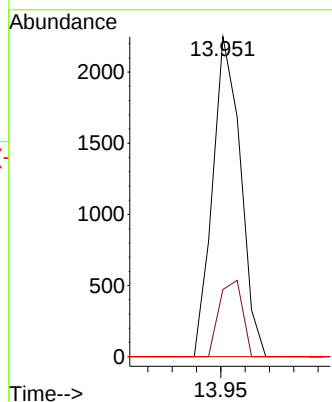
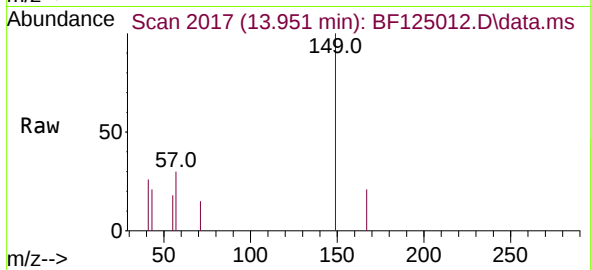




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.77 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF125012.D
Acq: 9 Aug 2021 21:01

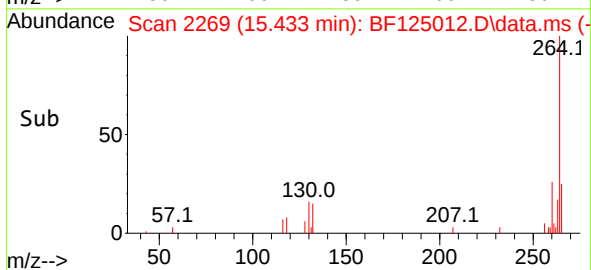
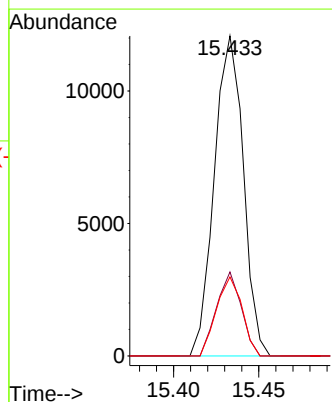
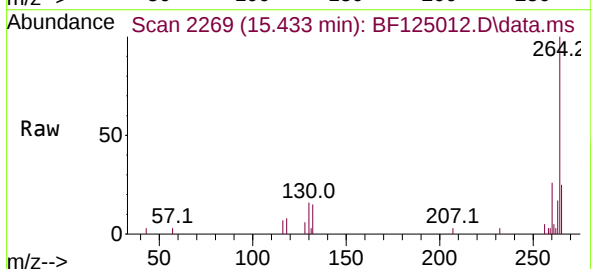
Instrument :
BNA_F
ClientSampleId :
VNJ219-367

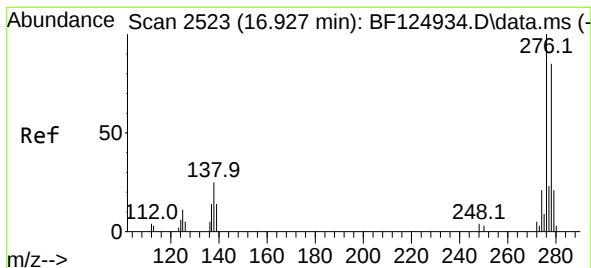
Tgt Ion:149 Resp: 1789
Ion Ratio Lower Upper
149 100
167 21.0 21.4 32.0#
279 0.0 2.6 4.0#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.433 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF125012.D
Acq: 9 Aug 2021 21:01

Tgt Ion:264 Resp: 14306
Ion Ratio Lower Upper
264 100
260 26.2 19.6 29.4
265 24.7 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.44 ng

RT: 16.874 min Scan# 2514

Delta R.T. -0.017 min

Lab File: BF125012.D

Acq: 9 Aug 2021 21:01

Tgt Ion:276 Resp: 2930

Ion Ratio Lower Upper

276 100

138 13.6 24.1 36.1#

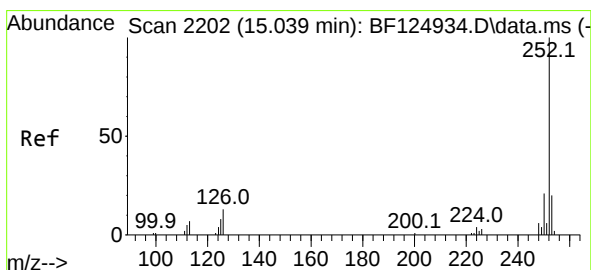
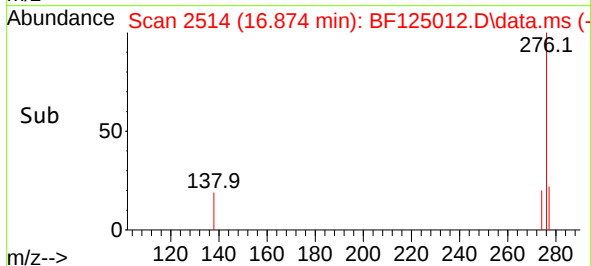
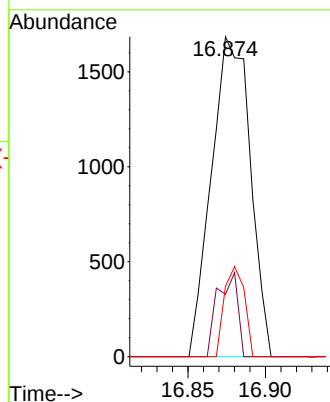
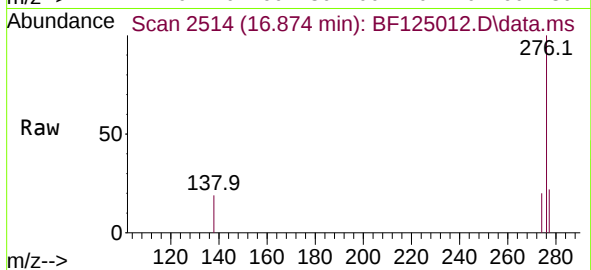
277 14.5 18.8 28.2#

Instrument :

BNA_F

ClientSampleId :

VNJ219-367



#88

Benzo(b)fluoranthene

Concen: 9.81 ng

RT: 15.010 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF125012.D

Acq: 9 Aug 2021 21:01

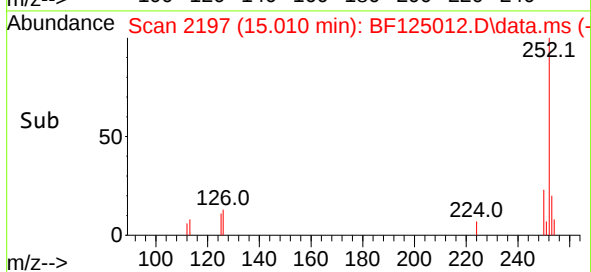
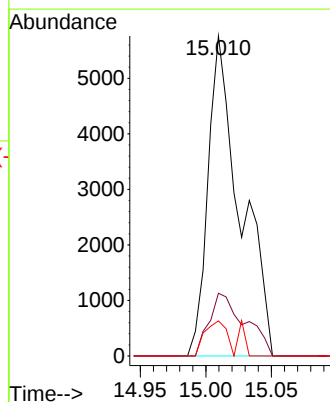
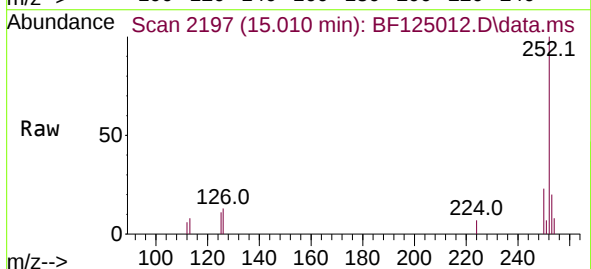
Tgt Ion:252 Resp: 9851

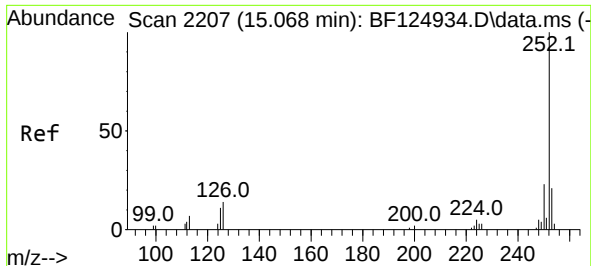
Ion Ratio Lower Upper

252 100

253 19.6 16.8 25.2

125 10.9 9.8 14.8





#89

Benzo(k)fluoranthene

Concen: 10.78 ng

RT: 15.010 min Scan# 2197

Delta R.T. -0.035 min

Lab File: BF125012.D

Acq: 9 Aug 2021 21:01

Tgt Ion:252 Resp: 9851

Ion Ratio Lower Upper

252 100

253 19.6 17.8 26.8

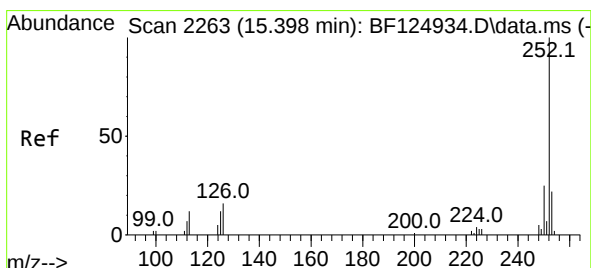
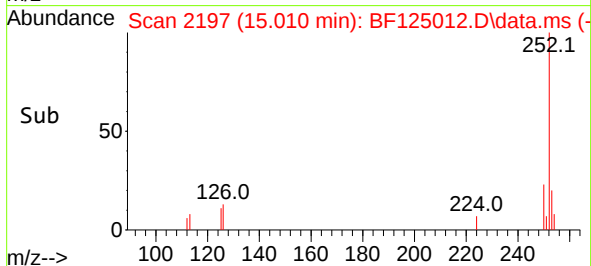
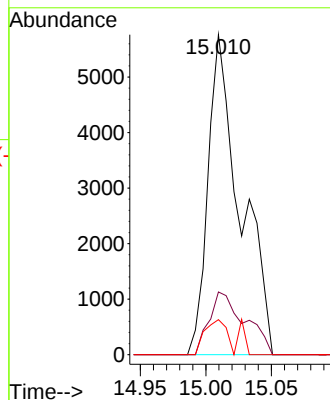
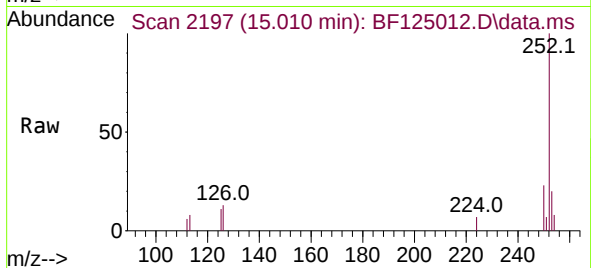
125 10.9 7.2 10.8#

Instrument :

BNA_F

ClientSampleId :

VNJ219-367



#90

Benzo(a)pyrene

Concen: 6.11 ng

RT: 15.368 min Scan# 2258

Delta R.T. -0.006 min

Lab File: BF125012.D

Acq: 9 Aug 2021 21:01

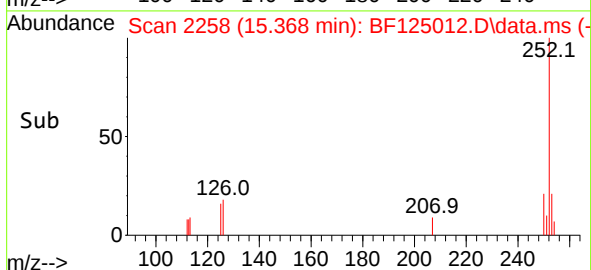
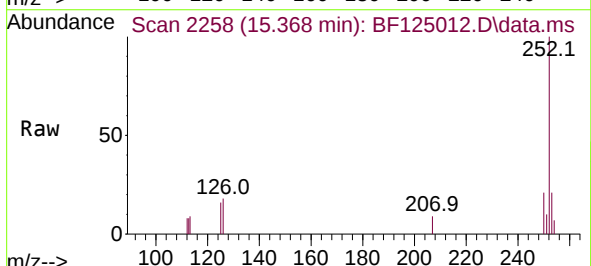
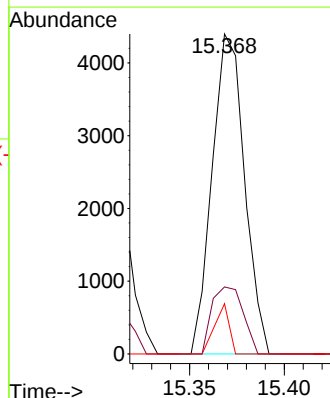
Tgt Ion:252 Resp: 5226

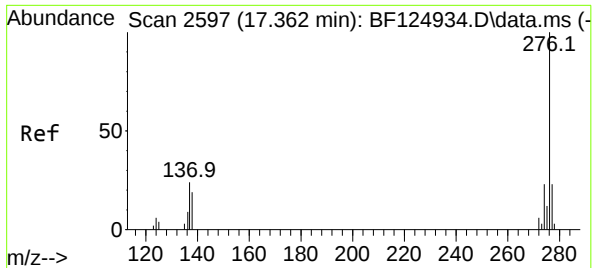
Ion Ratio Lower Upper

252 100

253 21.0 18.4 27.6

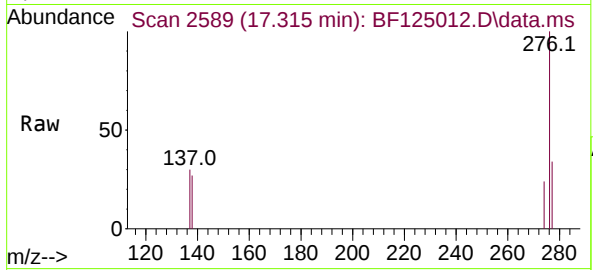
125 15.7 9.9 14.9#





#92
Benzo(g,h,i)perylene
Concen: 3.14 ng
RT: 17.315 min Scan# 2589
Delta R.T. -0.012 min
Lab File: BF125012.D
Acq: 9 Aug 2021 21:01

Instrument :
BNA_F
ClientSampleId :
VNJ219-367



Tgt Ion:276 Resp: 2254
Ion Ratio Lower Upper
276 100
277 34.5 22.0 33.0#
138 26.9 22.2 33.4

