

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022221\
 Data File : BF123269.D
 Acq On : 22 Feb 2021 20:53
 Operator : JU/CG
 Sample : M1452-09
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Time: Feb 23 03:51:33 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 19 16:08:53 2021
 Response via : Initial Calibration

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

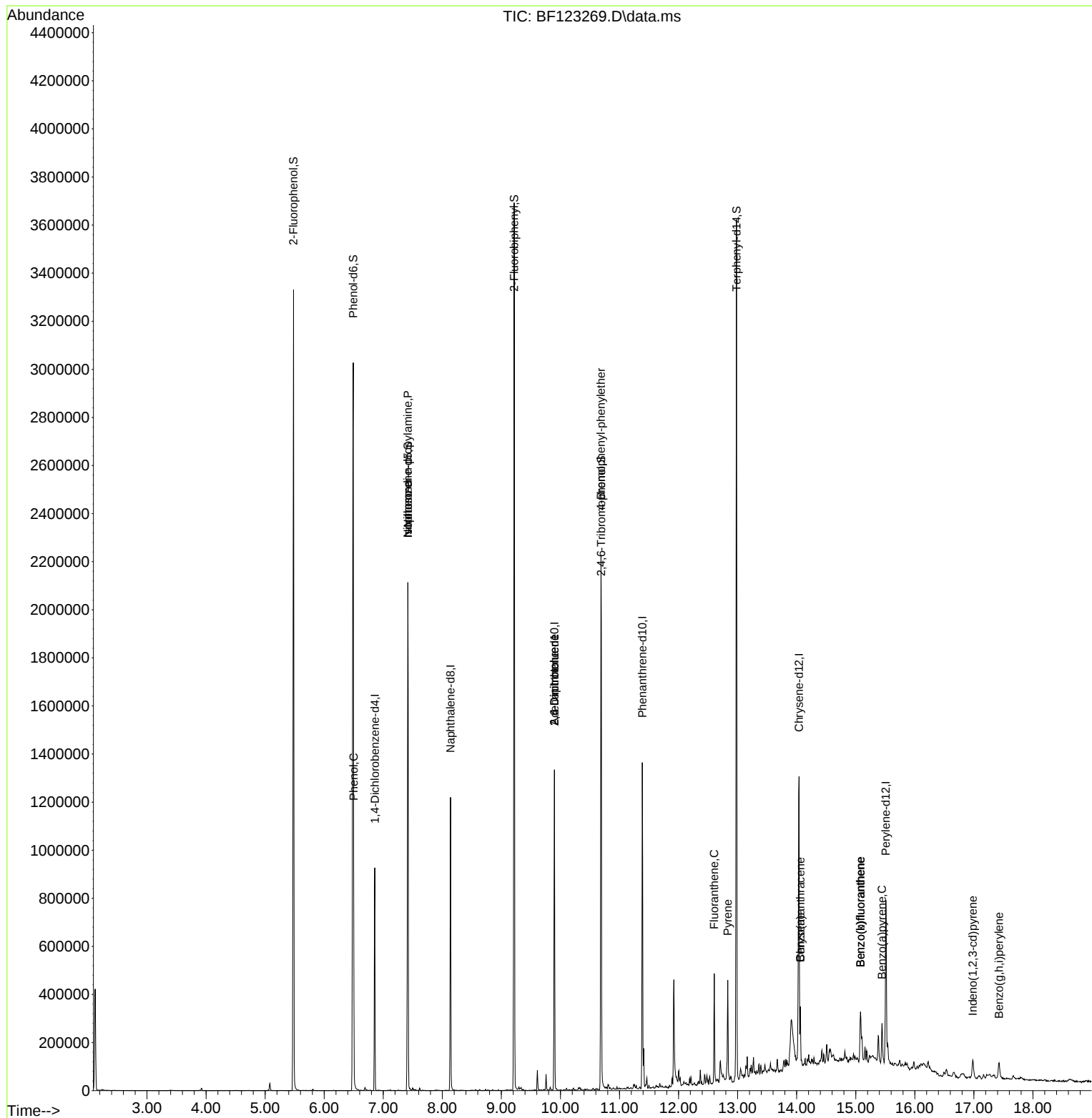
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	117406	20.00	ng	0.00
21) Naphthalene-d8	8.139	136	468823	20.00	ng	0.00
39) Acenaphthene-d10	9.898	164	238780	20.00	ng	0.00
64) Phenanthrene-d10	11.386	188	448914	20.00	ng	0.00
76) Chrysene-d12	14.039	240	360386	20.00	ng	0.00
86) Perylene-d12	15.510	264	280573	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	820448	100.59	ng	0.00
7) Phenol-d6	6.492	99	1067618	96.35	ng	0.00
23) Nitrobenzene-d5	7.416	82	713826	69.70	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	245606	101.02	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	1062401	63.91	ng	0.00
79) Terphenyl-d14	12.980	244	1010530	53.92	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.410	77	109	Below Cal	#	1
10) Phenol	6.498	94	111640	9.24	ng	94
19) n-Nitroso-di-n-propyla...	7.416	70	95646	14.51	ng	# 80
25) Isophorone	7.416	82	707603	36.95	ng	# 65
51) 2,6-Dinitrotoluene	9.898	165	31054	7.55	ng	# 32
57) 2,4-Dinitrotoluene	9.898	165	31054	5.61	ng	# 26
67) 4-Bromophenyl-phenylether	10.686	248	17911	3.66	ng	# 1
75) Fluoranthene	12.604	202	158282	5.63	ng	97
78) Pyrene	12.833	202	154399	5.49	ng	98
81) Benzo(a)anthracene	14.063	228	86501	3.53	ng	99
83) Chrysene	14.063	228	86501	3.60	ng	98
87) Indeno(1,2,3-cd)pyrene	16.980	276	48485	2.50	ng	100
88) Benzo(b)fluoranthene	15.080	252	130561	6.63	ng	# 96
89) Benzo(k)fluoranthene	15.080	252	130561	7.31	ng	# 97
90) Benzo(a)pyrene	15.445	252	68060	3.87	ng	# 90
92) Benzo(g,h,i)perylene	17.427	276	52855	3.45	ng	96

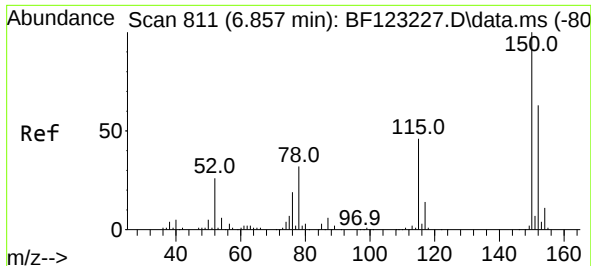
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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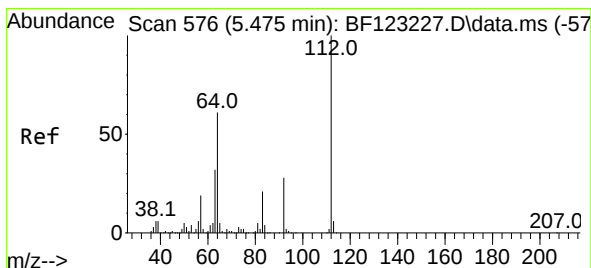
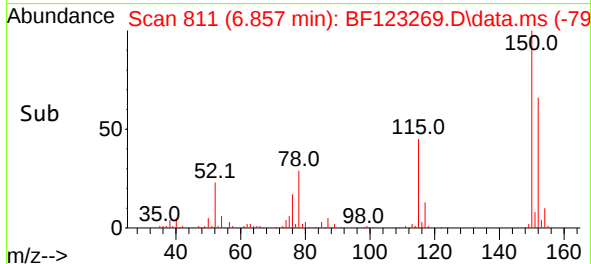
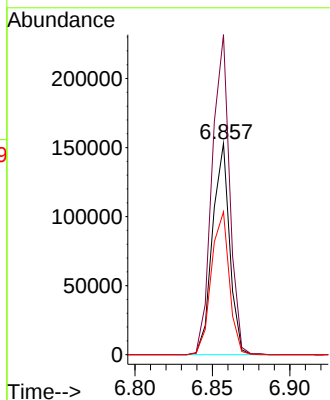
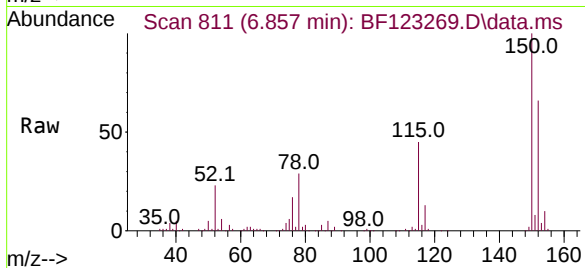




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF123269.D
Acq: 22 Feb 2021 20:53

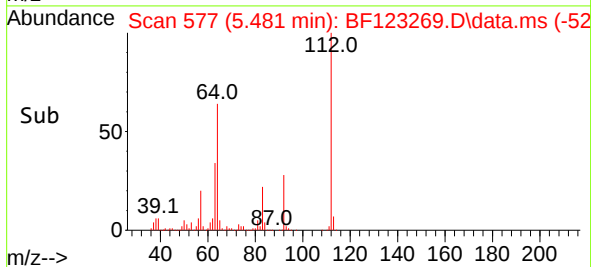
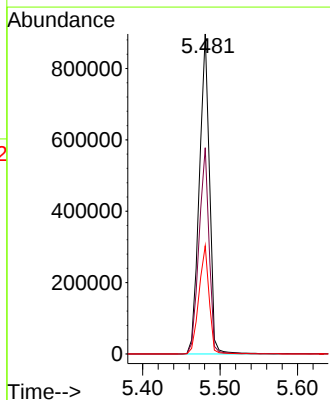
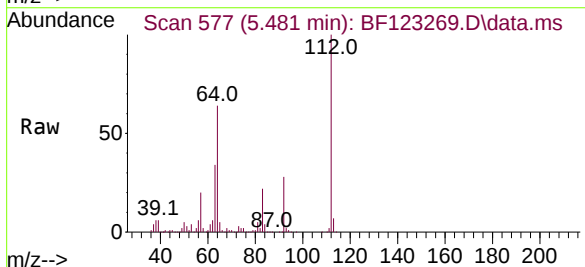
Instrument :
BNA_F
ClientSampleId :
TP-3

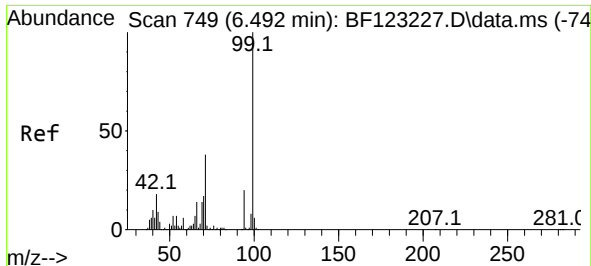
Tgt Ion:152 Resp: 117406
Ion Ratio Lower Upper
152 100
150 151.4 125.8 188.6
115 67.6 49.3 73.9



#5
2-Fluorophenol
Concen: 100.59 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.006 min
Lab File: BF123269.D
Acq: 22 Feb 2021 20:53

Tgt Ion:112 Resp: 820448
Ion Ratio Lower Upper
112 100
64 64.5 46.9 70.3
63 33.8 24.5 36.7

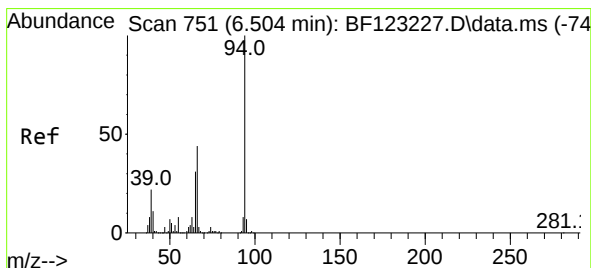
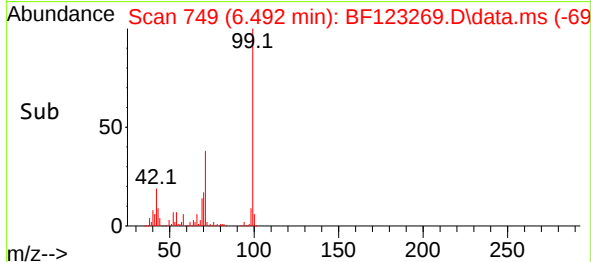
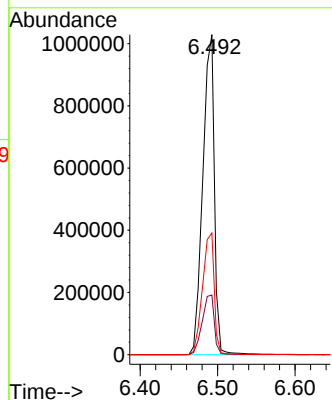
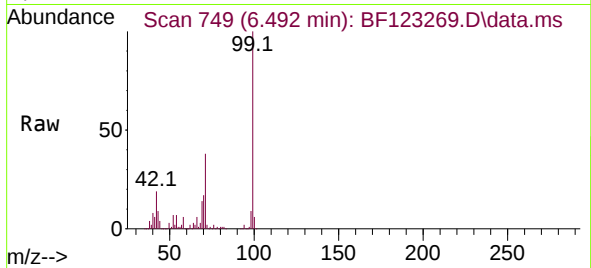




#7
Phenol-d6
Concen: 96.35 ng
RT: 6.492 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF123269.D
Acq: 22 Feb 2021 20:53

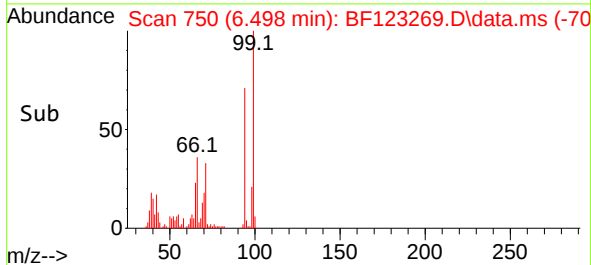
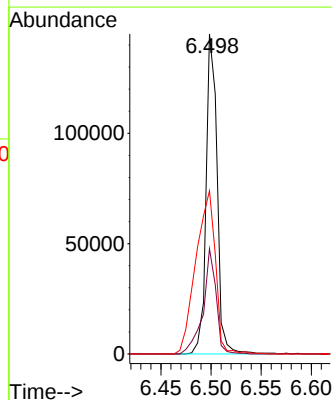
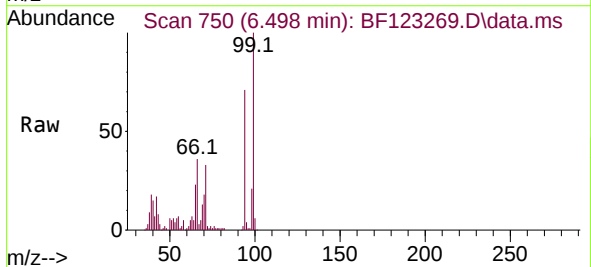
Instrument :
BNA_F
ClientSampleId :
TP-3

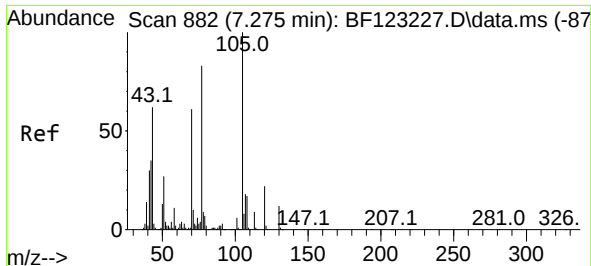
Tgt Ion: 99 Resp: 1067618
Ion Ratio Lower Upper
99 100
42 18.6 13.8 20.6
71 38.0 26.9 40.3



#10
Phenol
Concen: 9.24 ng
RT: 6.498 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF123269.D
Acq: 22 Feb 2021 20:53

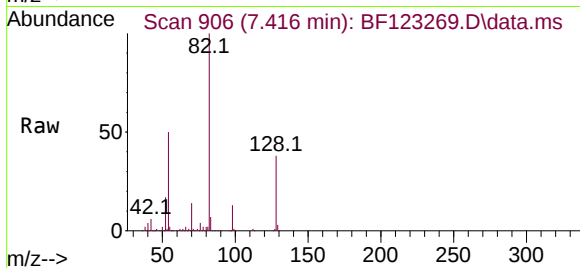
Tgt Ion: 94 Resp: 111640
Ion Ratio Lower Upper
94 100
65 32.9 11.2 51.2
66 51.0 25.8 65.8



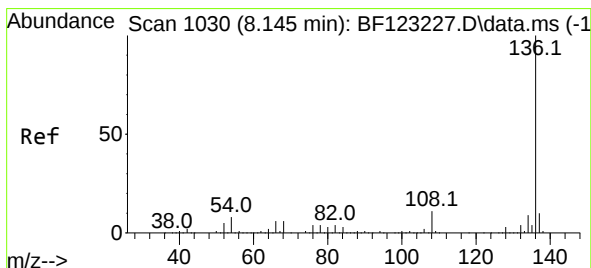
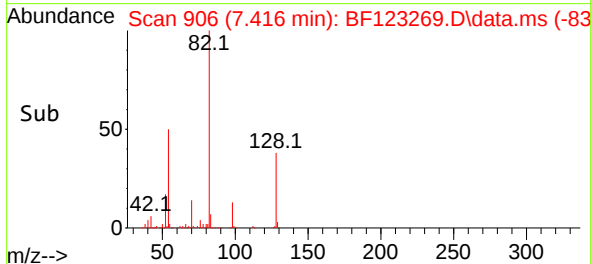
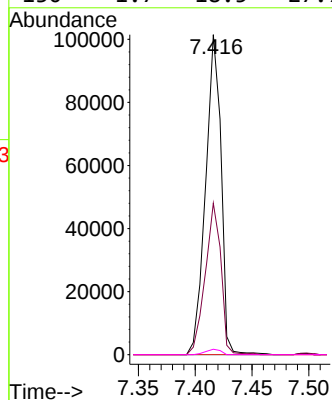


#19
n-Nitroso-di-n-propylamine
Concen: 14.51 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.141 min
Lab File: BF123269.D
Acq: 22 Feb 2021 20:53

Instrument :
BNA_F
ClientSampled :
TP-3

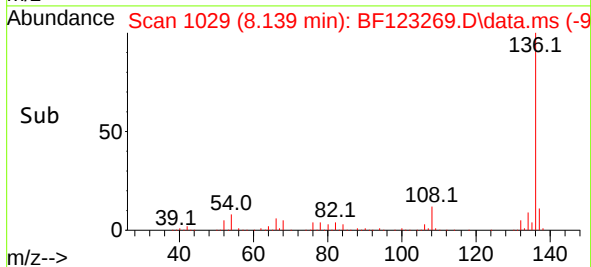
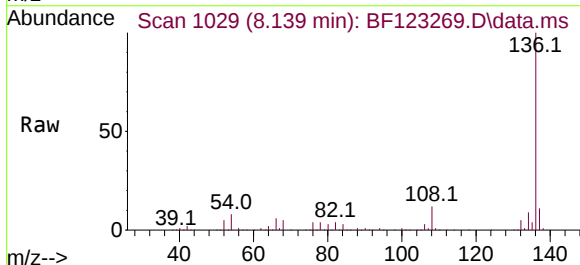
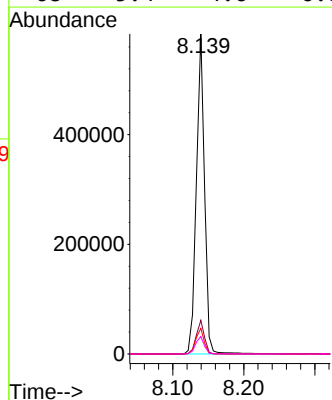


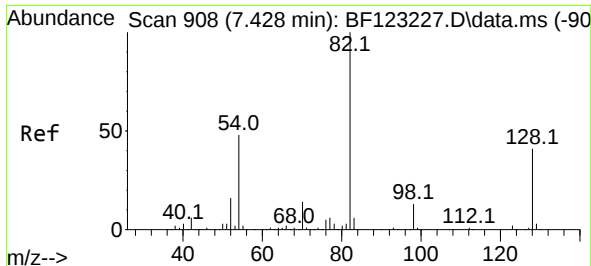
Tgt Ion: 70 Resp: 95646
Ion Ratio Lower Upper
70 100
42 47.4 43.0 64.4
101 0.0 7.9 11.9#
130 1.7 18.5 27.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF123269.D
Acq: 22 Feb 2021 20:53

Tgt Ion: 136 Resp: 468823
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 8.0 5.5 8.3
68 5.4 4.6 6.8





#23

Nitrobenzene-d5

Concen: 69.70 ng

RT: 7.416 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF123269.D

Acq: 22 Feb 2021 20:53

Tgt Ion: 82 Resp: 713826

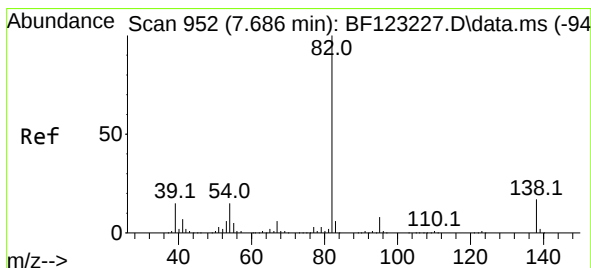
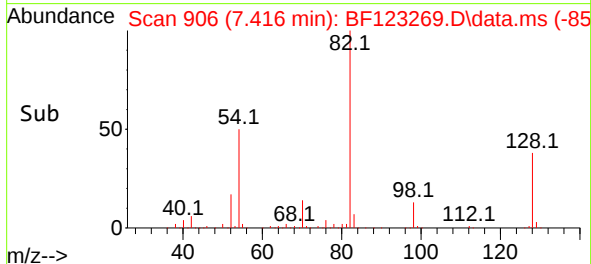
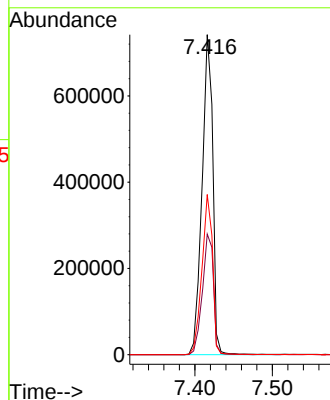
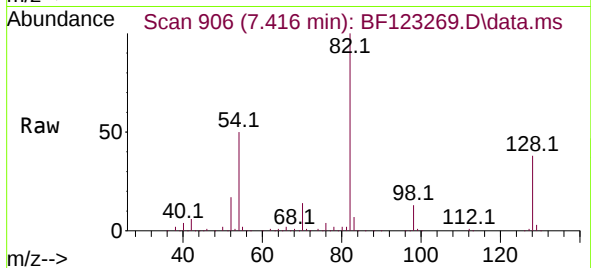
Ion	Ratio	Lower	Upper
82	100		
128	37.7	37.0	55.4
54	50.1	38.4	57.6

Instrument :

BNA_F

ClientSampleId :

TP-3



#25

Isophorone

Concen: 36.95 ng

RT: 7.416 min Scan# 906

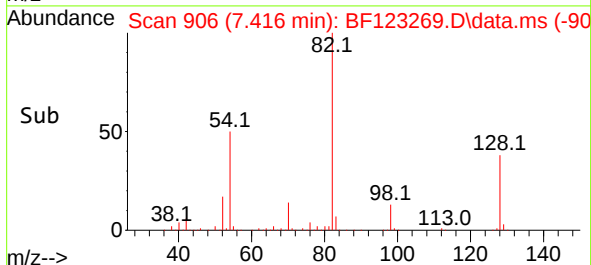
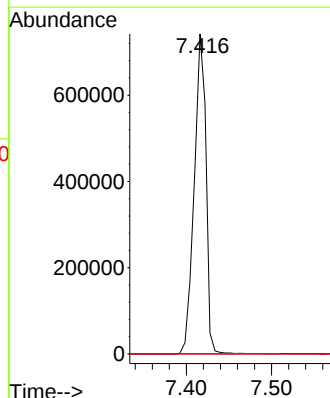
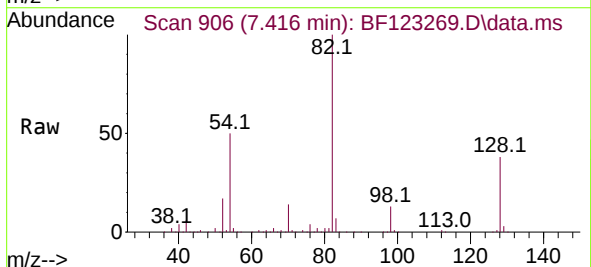
Delta R.T. -0.271 min

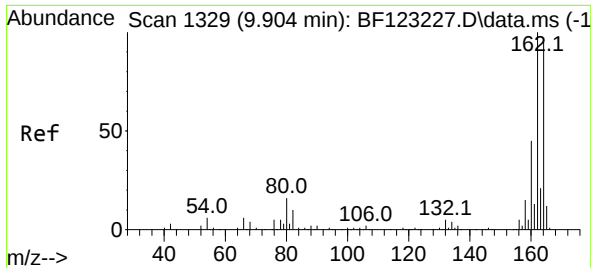
Lab File: BF123269.D

Acq: 22 Feb 2021 20:53

Tgt Ion: 82 Resp: 707603

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.6#
138	0.0	14.6	21.8#

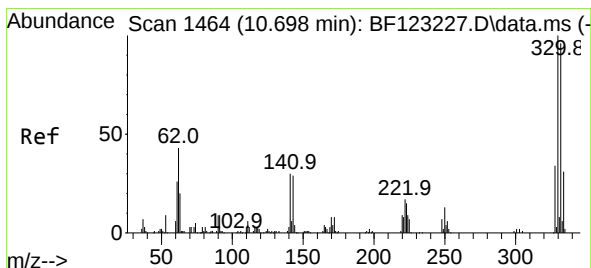
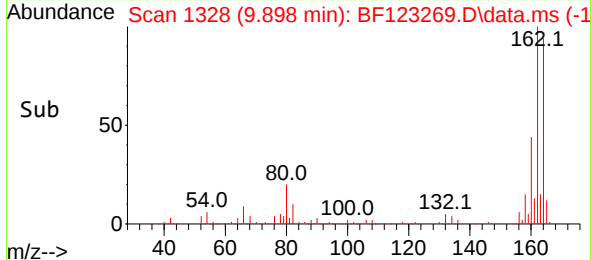
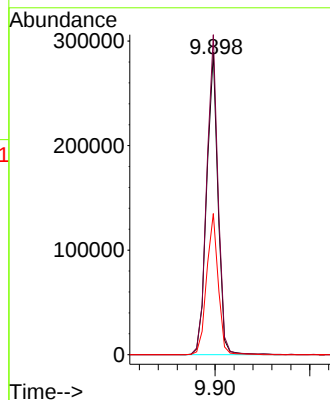
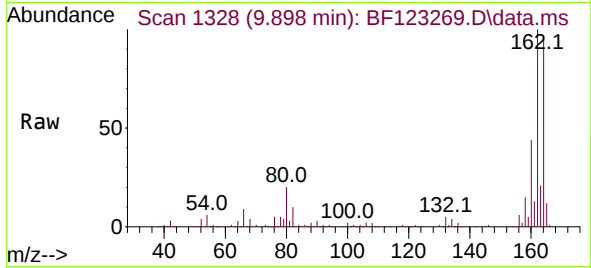




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF123269.D
Acq: 22 Feb 2021 20:53

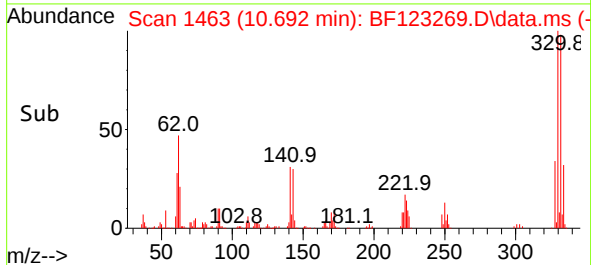
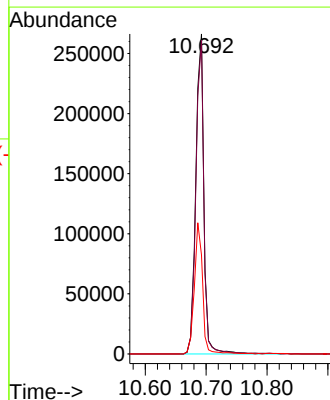
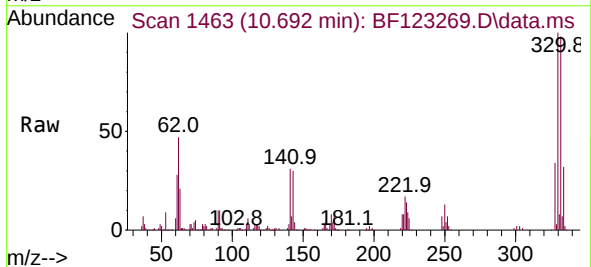
Instrument :
BNA_F
ClientSampleId :
TP-3

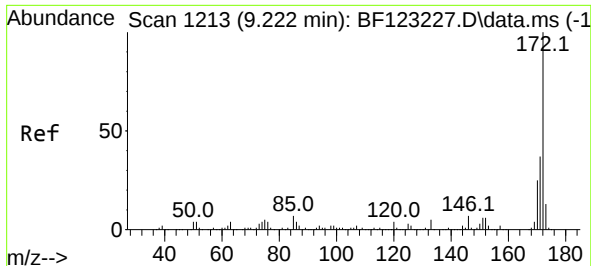
Tgt Ion:164 Resp: 238780
Ion Ratio Lower Upper
164 100
162 105.8 80.8 121.2
160 46.7 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 101.02 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF123269.D
Acq: 22 Feb 2021 20:53

Tgt Ion:330 Resp: 245606
Ion Ratio Lower Upper
330 100
332 96.6 77.5 116.3
141 41.6 23.8 35.8#

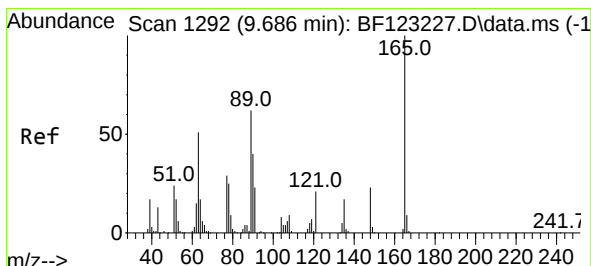
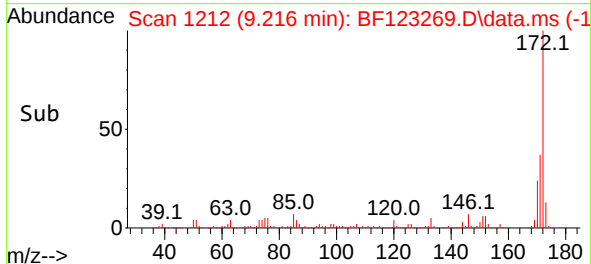
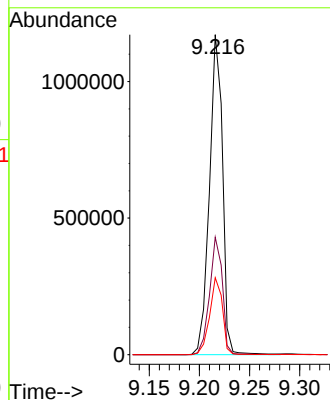
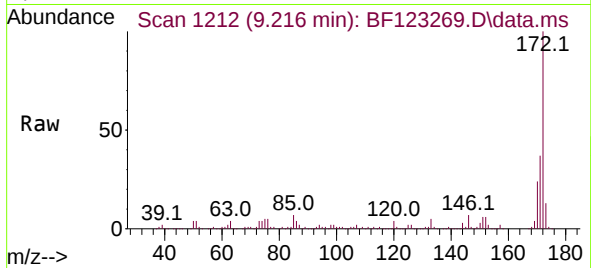




#45
2-Fluorobiphenyl
Concen: 63.91 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF123269.D
Acq: 22 Feb 2021 20:53

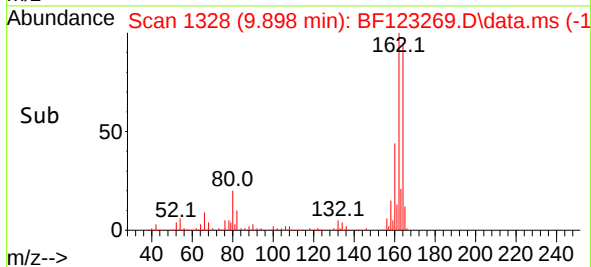
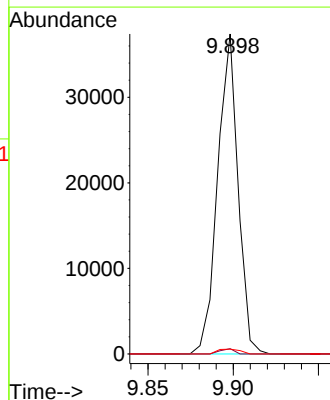
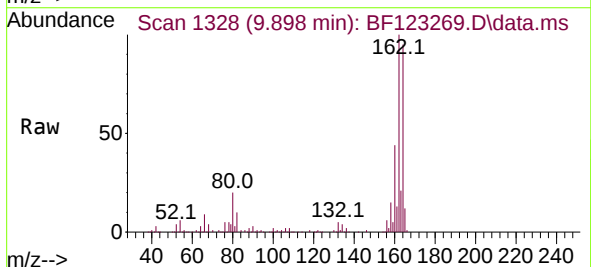
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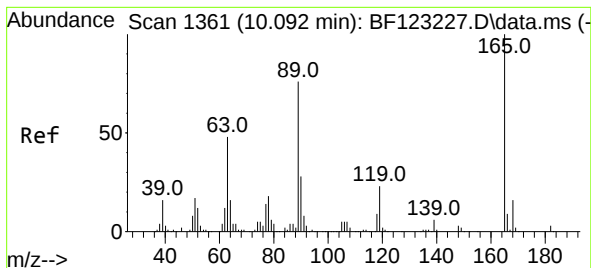
Tgt Ion:172 Resp: 1062401
Ion Ratio Lower Upper
172 100
171 36.7 29.6 44.4
170 24.1 19.5 29.3



#51
2,6-Dinitrotoluene
Concen: 7.55 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.212 min
Lab File: BF123269.D
Acq: 22 Feb 2021 20:53

Tgt Ion:165 Resp: 31054
Ion Ratio Lower Upper
165 100
63 1.6 36.6 55.0#
89 1.5 39.4 59.0#

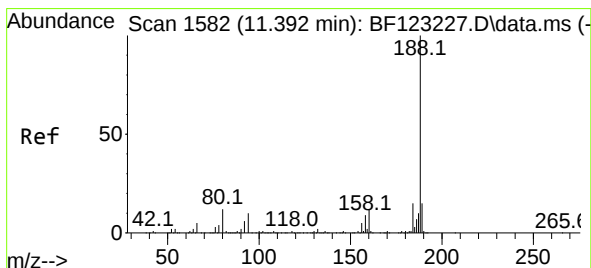
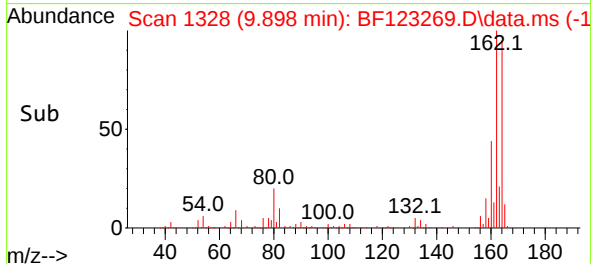
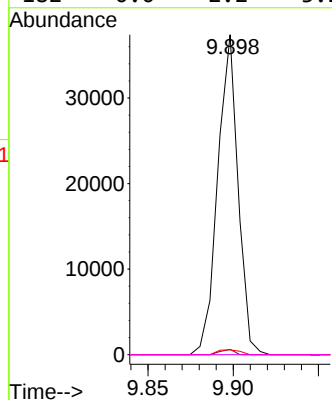
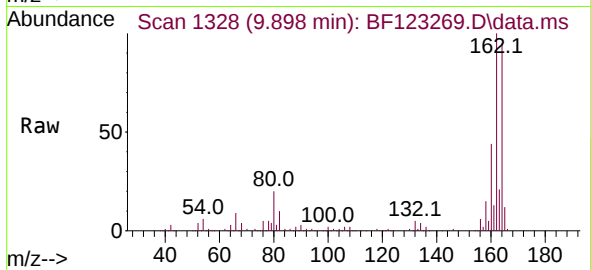




#57
2,4-Dinitrotoluene
Concen: 5.61 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.194 min
Lab File: BF123269.D
Acq: 22 Feb 2021 20:53

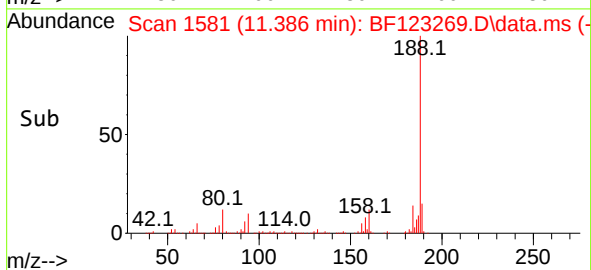
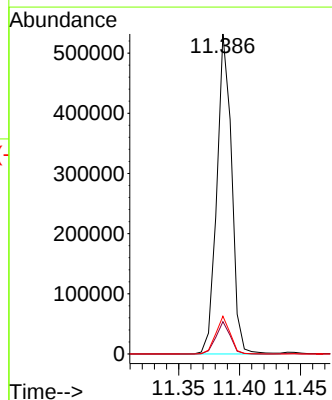
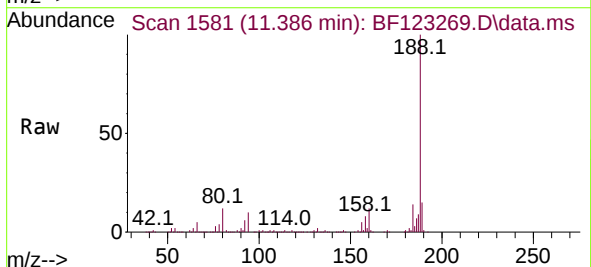
Instrument :
BNA_F
ClientSampleId :
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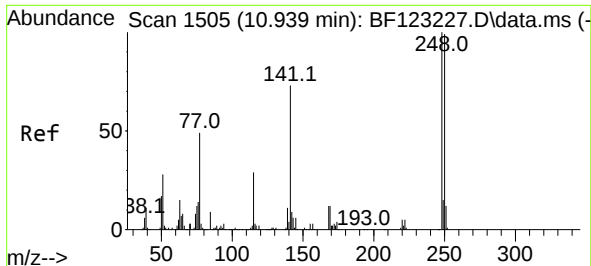
Tgt Ion:	165	Resp:	31054
Ion Ratio	Lower	Upper	
165	100		
63	1.6	34.3	51.5#
89	1.5	55.2	82.8#
182	0.0	2.2	3.2#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF123269.D
Acq: 22 Feb 2021 20:53

Tgt Ion:	188	Resp:	448914
Ion Ratio	Lower	Upper	
188	100		
94	10.1	7.4	11.2
80	11.8	8.2	12.4

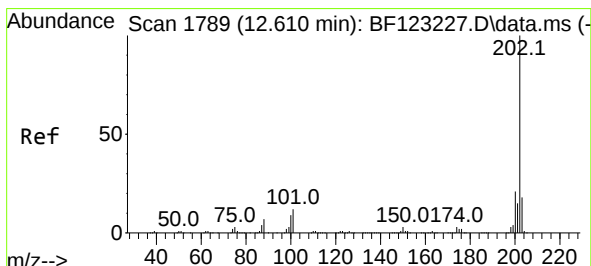
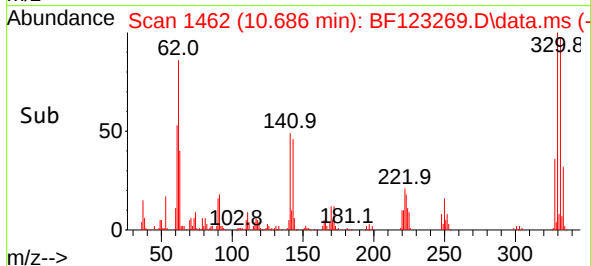
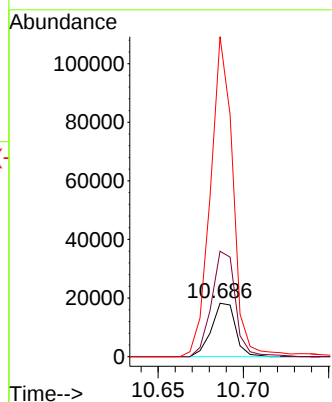
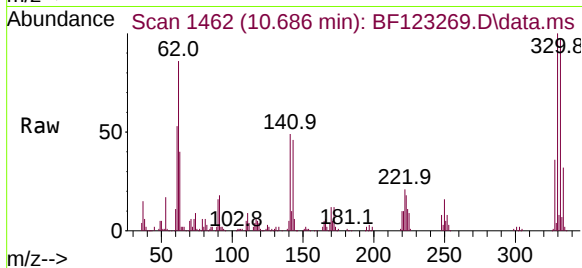




#67
4-Bromophenyl-phenylether
Concen: 3.66 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.253 min
Lab File: BF123269.D
Acq: 22 Feb 2021 20:53

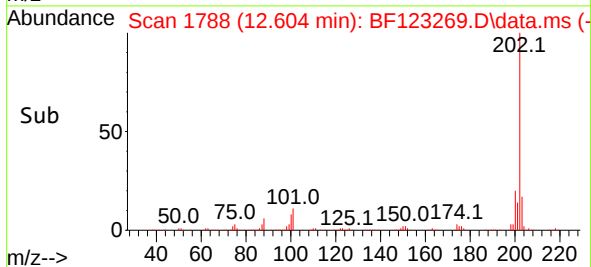
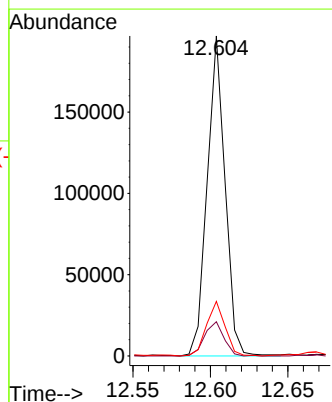
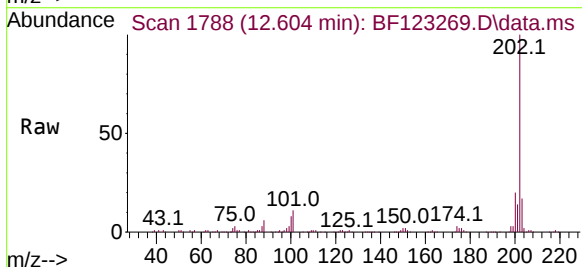
Instrument :
BNA_F
ClientSampled :
TP-3

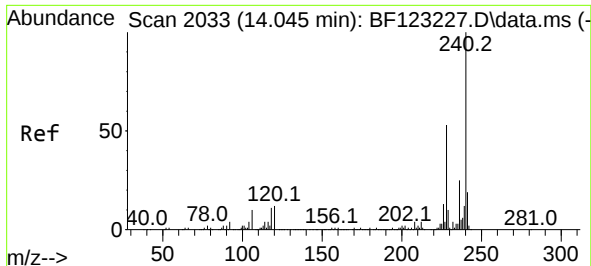
Tgt Ion:248 Resp: 17911
Ion Ratio Lower Upper
248 100
250 197.4 76.8 115.2#
141 599.5 59.8 89.8#



#75
Fluoranthene
Concen: 5.63 ng
RT: 12.604 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF123269.D
Acq: 22 Feb 2021 20:53

Tgt Ion:202 Resp: 158282
Ion Ratio Lower Upper
202 100
101 10.7 0.0 32.2
203 17.0 0.0 38.1

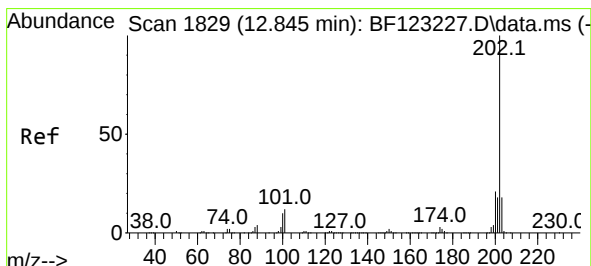
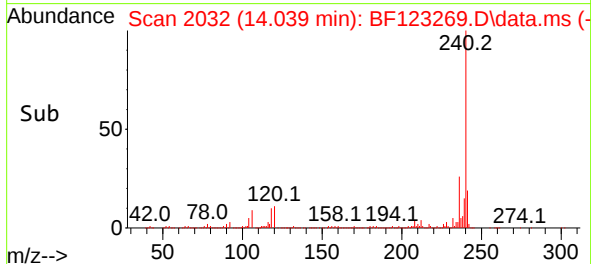
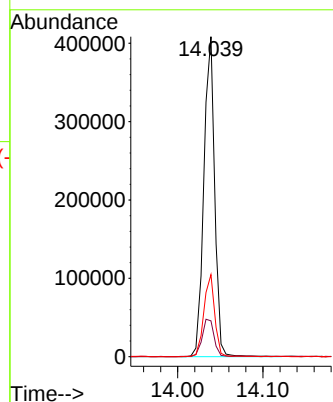
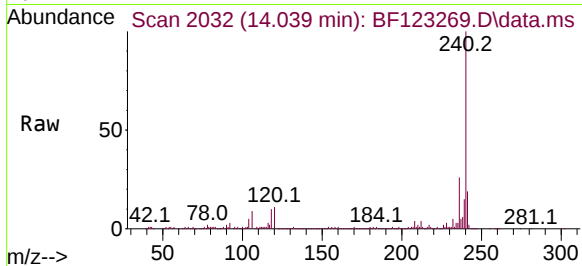




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF123269.D
Acq: 22 Feb 2021 20:53

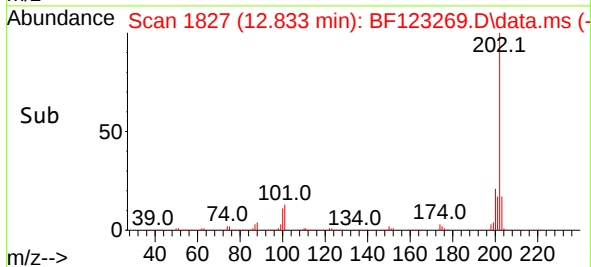
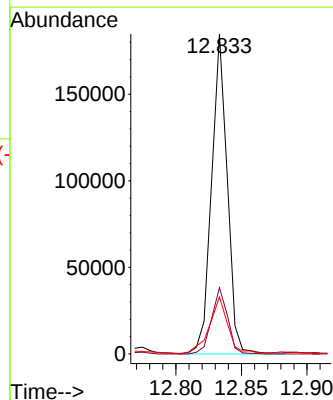
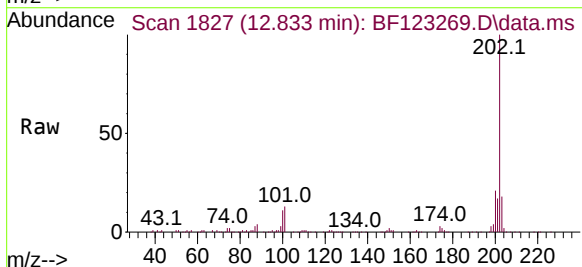
Instrument :
BNA_F
ClientSampleId :
TP-3

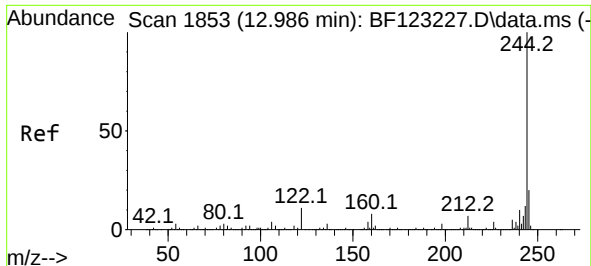
Tgt Ion:240 Resp: 360386
Ion Ratio Lower Upper
240 100
120 11.2 8.6 12.8
236 25.7 20.3 30.5



#78
Pyrene
Concen: 5.49 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.012 min
Lab File: BF123269.D
Acq: 22 Feb 2021 20:53

Tgt Ion:202 Resp: 154399
Ion Ratio Lower Upper
202 100
200 20.7 17.6 26.4
203 17.8 14.6 21.8

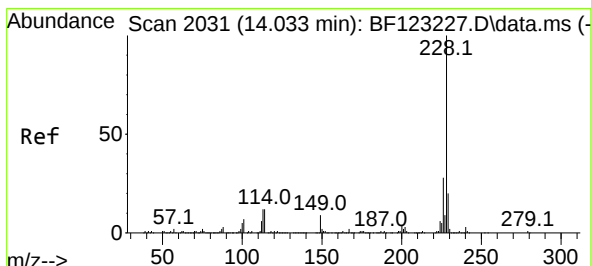
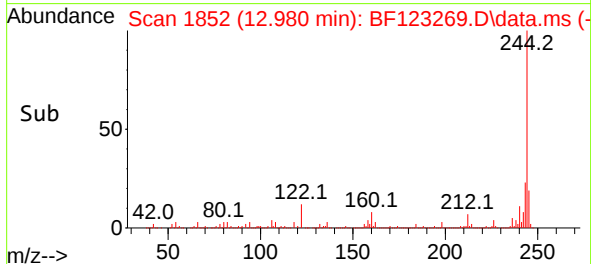
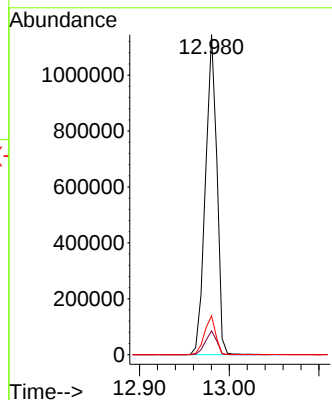
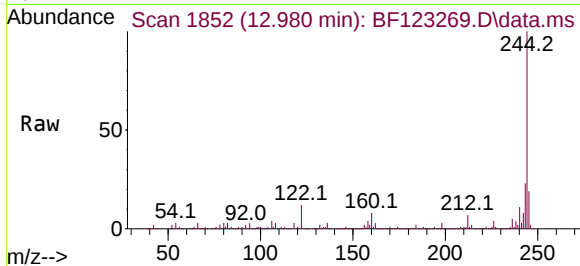




#79
Terphenyl-d14
Concen: 53.92 ng
RT: 12.980 min Scan# 1852
Delta R.T. -0.006 min
Lab File: BF123269.D
Acq: 22 Feb 2021 20:53

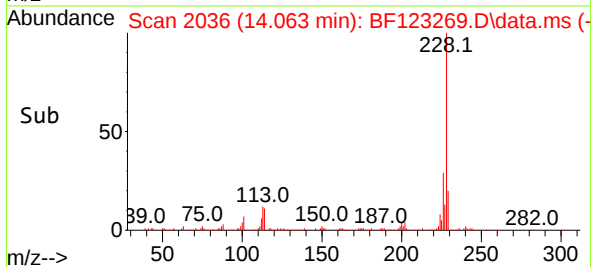
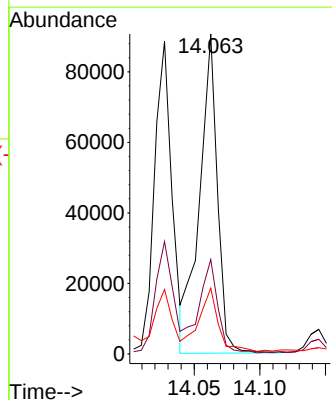
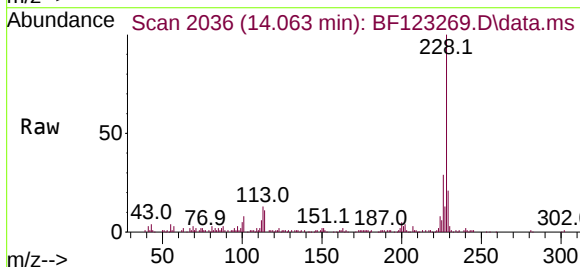
Instrument :
BNA_F
ClientSampleId :
TP-3

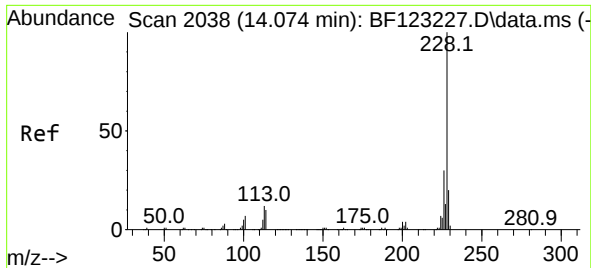
Tgt Ion:244 Resp: 1010530
Ion Ratio Lower Upper
244 100
212 7.4 5.7 8.5
122 12.2 8.3 12.5



#81
Benzo(a)anthracene
Concen: 3.53 ng
RT: 14.063 min Scan# 2036
Delta R.T. 0.029 min
Lab File: BF123269.D
Acq: 22 Feb 2021 20:53

Tgt Ion:228 Resp: 86501
Ion Ratio Lower Upper
228 100
226 29.5 23.0 34.4
229 20.6 16.6 24.8

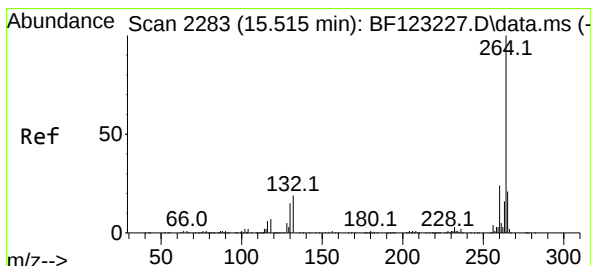
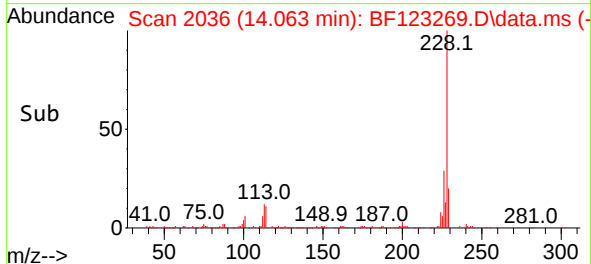
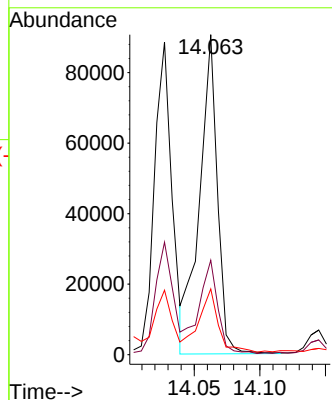
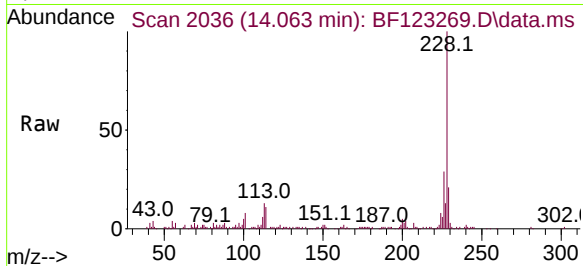




#83
Chrysene
Concen: 3.60 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF123269.D
Acq: 22 Feb 2021 20:53

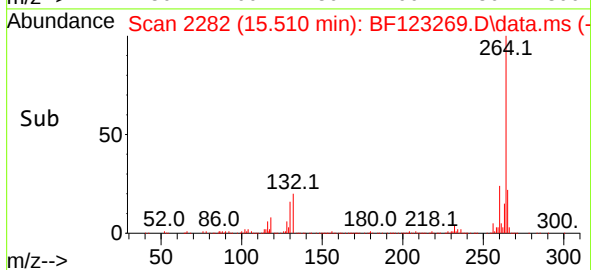
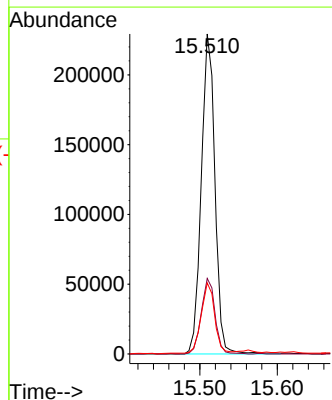
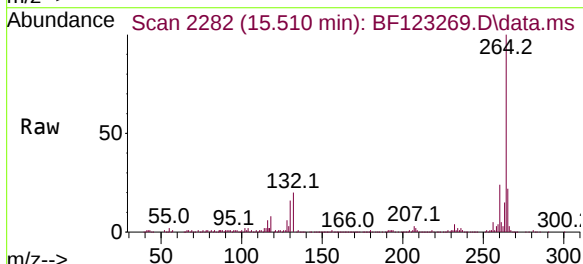
Instrument :
BNA_F
ClientSampled :
TP-3

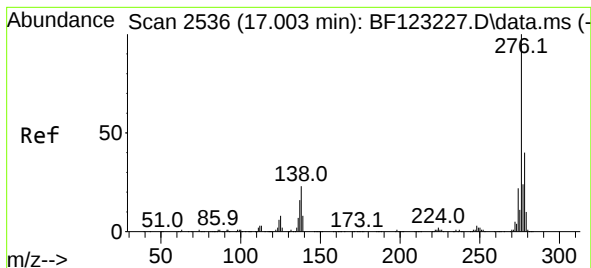
Tgt Ion:228	Resp:	86501
Ion Ratio	Lower	Upper
228	100	
226	29.5	24.6 36.8
229	20.6	15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.510 min Scan# 2282
Delta R.T. -0.006 min
Lab File: BF123269.D
Acq: 22 Feb 2021 20:53

Tgt Ion:264	Resp:	280573
Ion Ratio	Lower	Upper
264	100	
260	23.6	18.6 28.0
265	22.2	17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.50 ng

RT: 16.980 min Scan# 2532

Delta R.T. -0.023 min

Lab File: BF123269.D

Acq: 22 Feb 2021 20:53

Tgt Ion:276 Resp: 48485

Ion Ratio Lower Upper

276 100

138 23.5 18.7 28.1

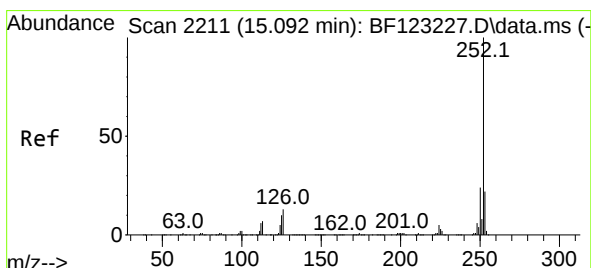
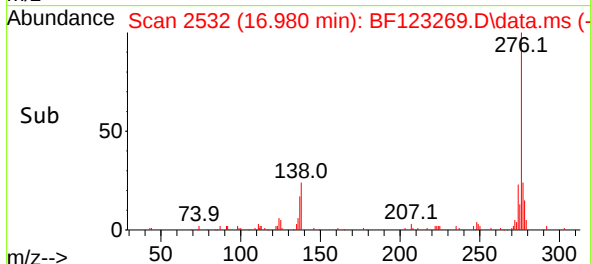
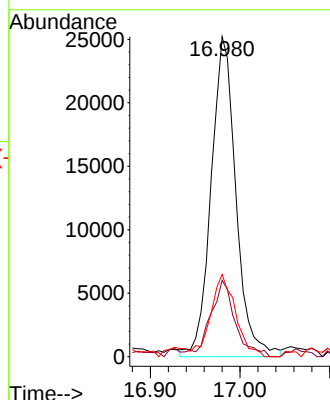
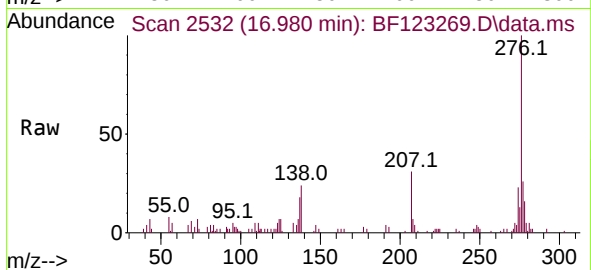
277 25.6 20.2 30.4

Instrument :

BNA_F

ClientSampleId :

TP-3



#88

Benzo(b)fluoranthene

Concen: 6.63 ng

RT: 15.080 min Scan# 2209

Delta R.T. -0.012 min

Lab File: BF123269.D

Acq: 22 Feb 2021 20:53

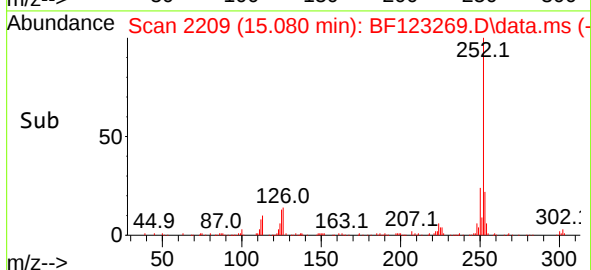
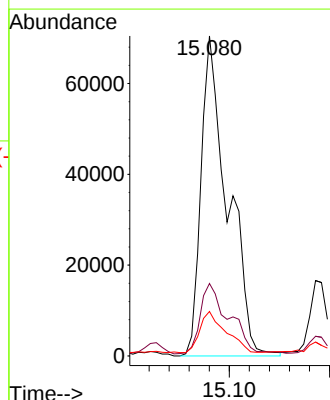
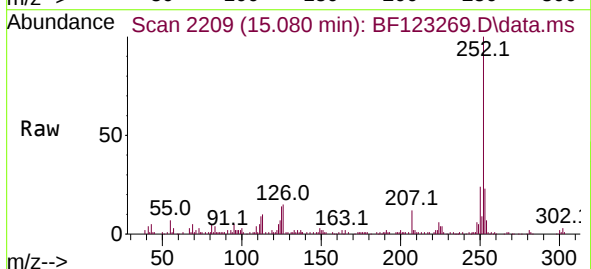
Tgt Ion:252 Resp: 130561

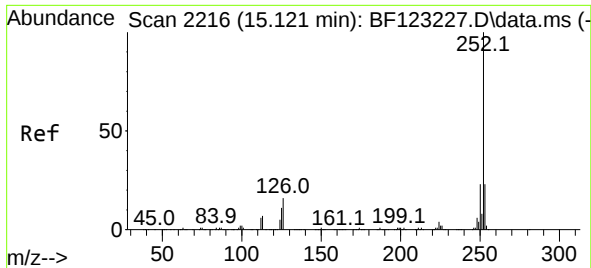
Ion Ratio Lower Upper

252 100

253 22.6 18.3 27.5

125 13.9 8.1 12.1#





#89

Benzo(k)fluoranthene

Concen: 7.31 ng

RT: 15.080 min Scan# 2209

Delta R.T. -0.041 min

Lab File: BF123269.D

Acq: 22 Feb 2021 20:53

Tgt Ion:252 Resp: 130561

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.8

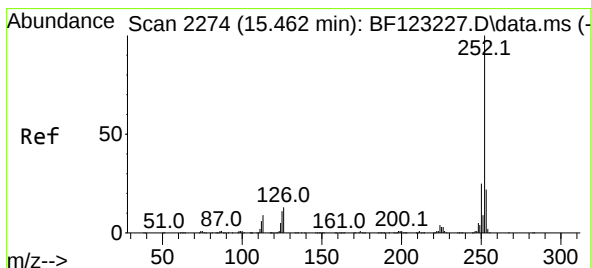
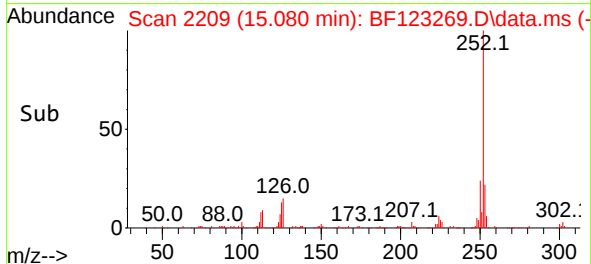
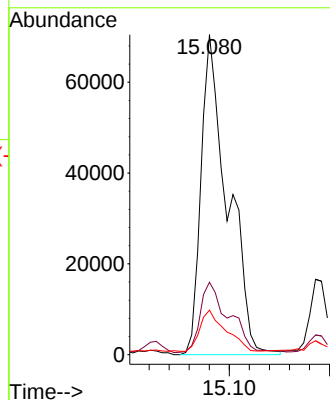
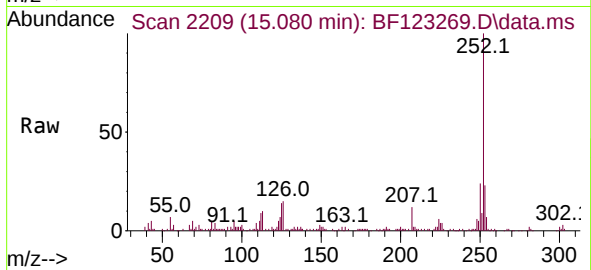
125 13.9 8.4 12.6#

Instrument :

BNA_F

ClientSampleId :

TP-3



#90

Benzo(a)pyrene

Concen: 3.87 ng

RT: 15.445 min Scan# 2271

Delta R.T. -0.018 min

Lab File: BF123269.D

Acq: 22 Feb 2021 20:53

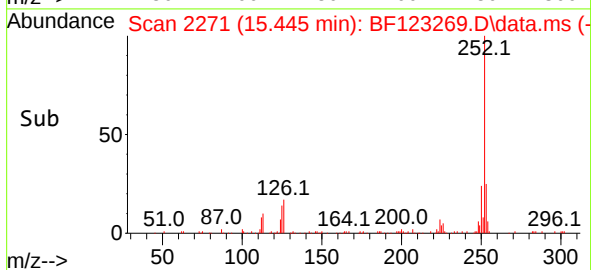
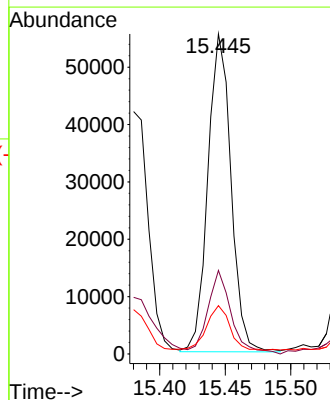
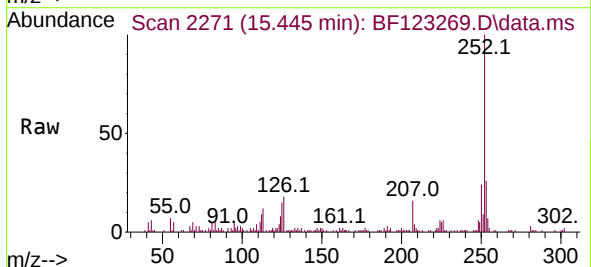
Tgt Ion:252 Resp: 68060

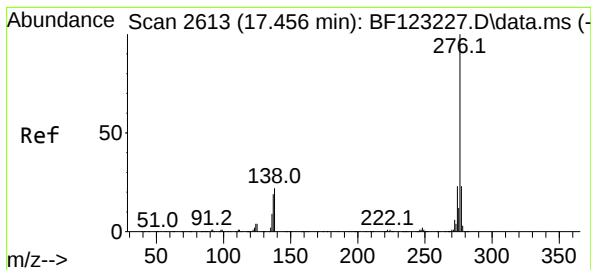
Ion Ratio Lower Upper

252 100

253 26.1 17.5 26.3

125 15.1 8.6 12.8#





#92

Benzo(g,h,i)perylene

Concen: 3.45 ng

RT: 17.427 min Scan# 2608

Delta R.T. -0.029 min

Lab File: BF123269.D

Acq: 22 Feb 2021 20:53

Tgt Ion: 276 Resp: 52855

Ion Ratio Lower Upper

276 100

277 26.6 19.3 28.9

138 22.1 16.6 24.8

