

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022522\
 Data File : BF127087.D
 Acq On : 25 Feb 2022 22:53
 Operator : CG\JU
 Sample : N1670-01 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-022422

Quant Time: Feb 26 01:41:18 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 24 02:10:57 2022
 Response via : Initial Calibration

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

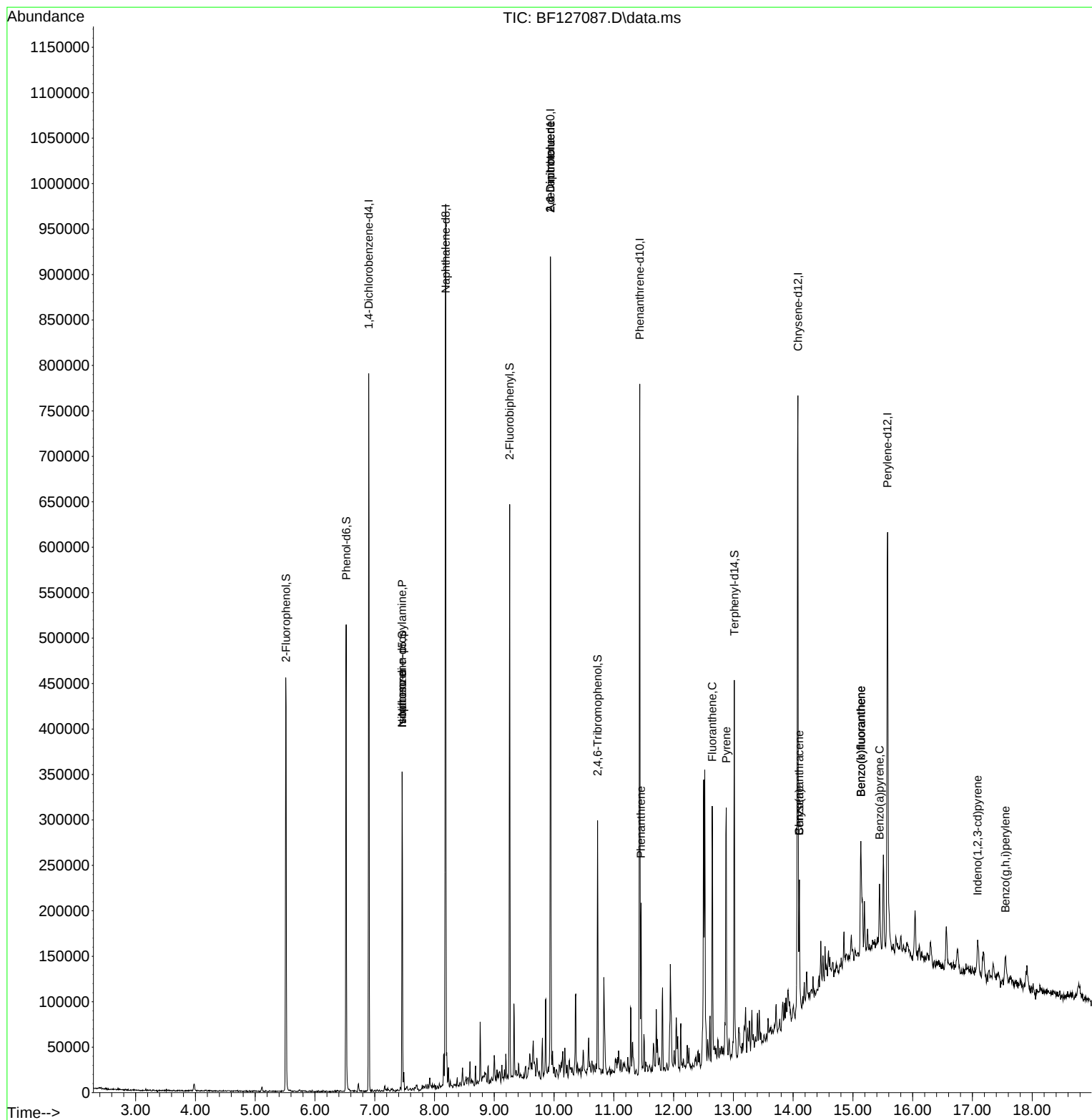
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	103956	20.000	ng	-0.01
21) Naphthalene-d8	8.187	136	395357	20.000	ng	# 0.00
39) Acenaphthene-d10	9.939	164	177598	20.000	ng	-0.01
64) Phenanthrene-d10	11.433	188	246967	20.000	ng	#-0.01
76) Chrysene-d12	14.080	240	197468	20.000	ng	# 0.00
86) Perylene-d12	15.580	264	186640	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	111116	16.520	ng	-0.01
7) Phenol-d6	6.522	99	148484	16.360	ng	-0.02
23) Nitrobenzene-d5	7.457	82	99255	11.332	ng	-0.02
42) 2,4,6-Tribromophenol	10.728	330	26203	12.814	ng	-0.02
45) 2-Fluorobiphenyl	9.257	172	156995	13.014	ng	-0.01
79) Terphenyl-d14	13.016	244	118279	8.805	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	13706	2.344	ng	# 78
25) Isophorone	7.457	82	98102	6.769	ng	# 69
51) 2,6-Dinitrotoluene	9.939	165	24134	9.344	ng	# 21
57) 2,4-Dinitrotoluene	9.939	165	24134	6.911	ng	# 15
71) Phenanthrene	11.457	178	61070	4.418	ng	97
75) Fluoranthene	12.645	202	91725	6.988	ng	97
78) Pyrene	12.880	202	98484	5.741	ng	99
81) Benzo(a)anthracene	14.104	228	53499	4.019	ng	96
83) Chrysene	14.104	228	53499	4.274	ng	100
87) Indeno(1,2,3-cd)pyrene	17.086	276	25564	2.089	ng	# 81
88) Benzo(b)fluoranthene	15.133	252	89685	7.155	ng	94
89) Benzo(k)fluoranthene	15.133	252	89685	7.418	ng	95
90) Benzo(a)pyrene	15.445	252	32523	3.322	ng	95
92) Benzo(g,h,i)perylene	17.551	276	23911	2.396	ng	# 84

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

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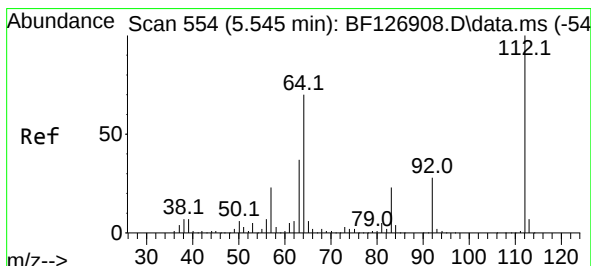
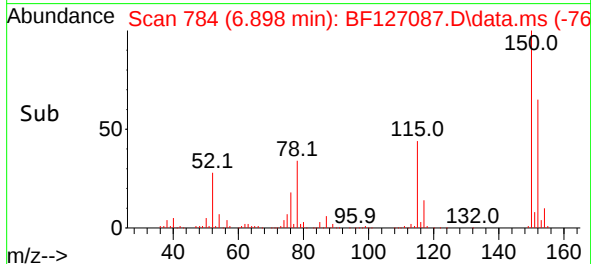
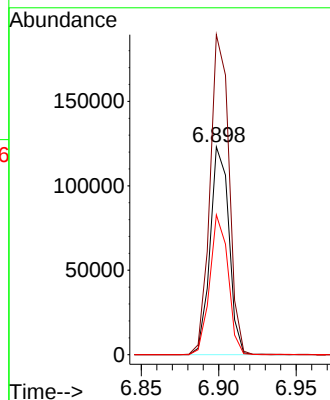
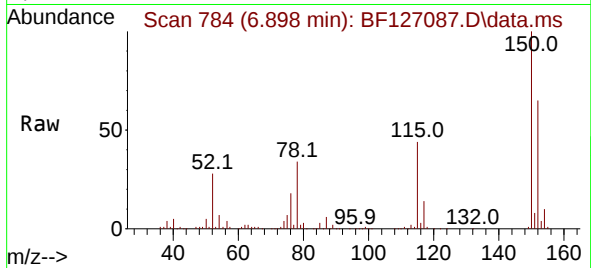




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF127087.D
Acq: 25 Feb 2022 22:53

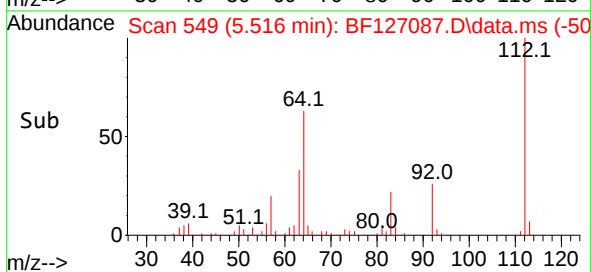
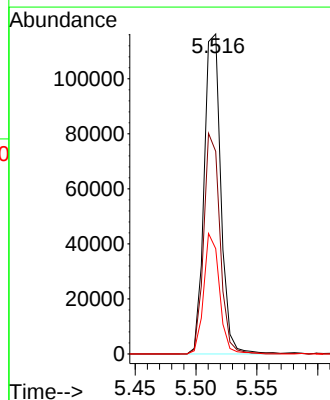
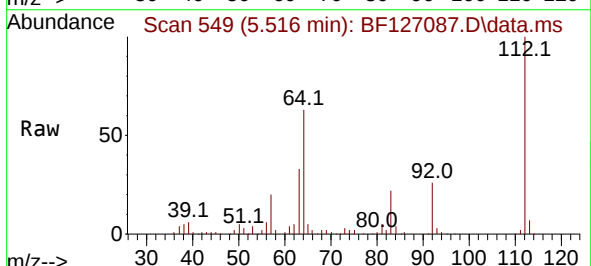
Instrument :
BNA_F
ClientSampleId :
OR-03-022422

Tgt Ion:152 Resp: 103956
Ion Ratio Lower Upper
152 100
150 153.9 128.1 192.1
115 67.3 56.7 85.1



#5
2-Fluorophenol
Concen: 16.520 ng
RT: 5.516 min Scan# 549
Delta R.T. -0.012 min
Lab File: BF127087.D
Acq: 25 Feb 2022 22:53

Tgt Ion:112 Resp: 111116
Ion Ratio Lower Upper
112 100
64 63.3 49.5 74.3
63 32.9 23.9 35.9

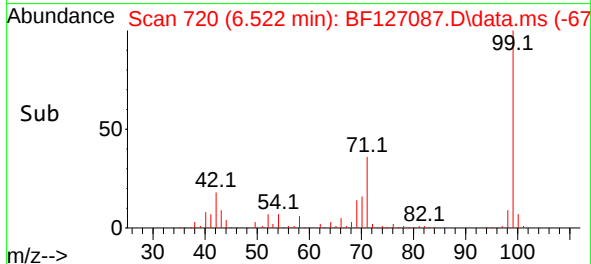
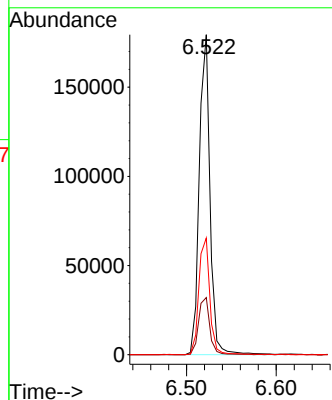
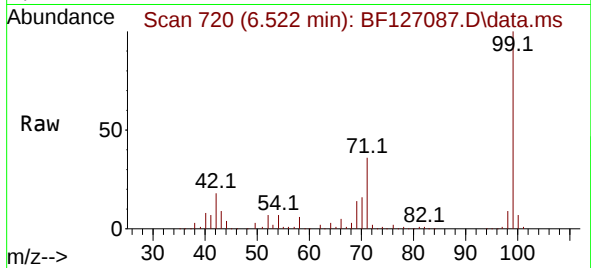




#7
Phenol-d6
Concen: 16.360 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF127087.D
Acq: 25 Feb 2022 22:53

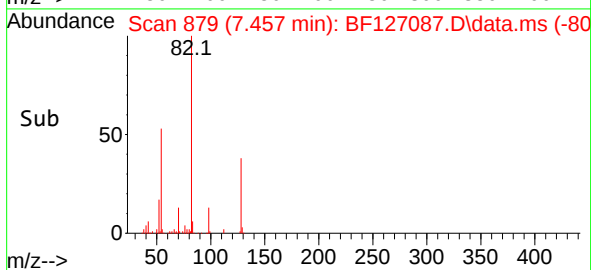
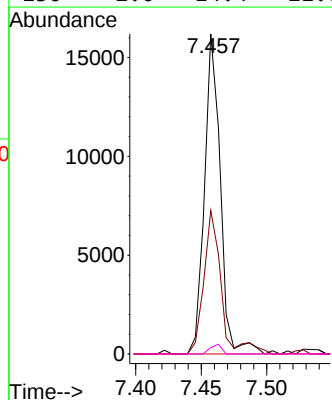
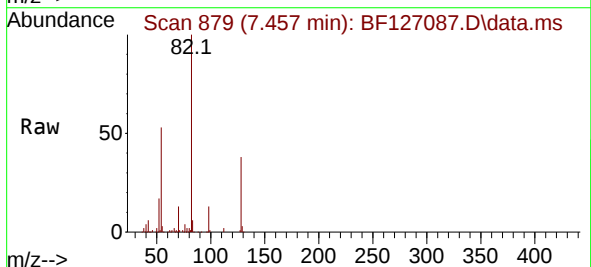
Instrument :
BNA_F
ClientSampleId :
OR-03-022422

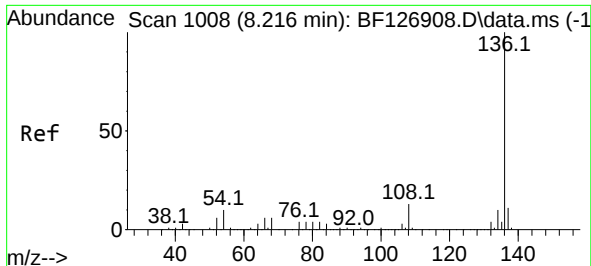
Tgt Ion: 99 Resp: 148484
Ion Ratio Lower Upper
99 100
42 17.8 14.2 21.4
71 36.5 24.3 36.5



#19
n-Nitroso-di-n-propylamine
Concen: 2.344 ng
RT: 7.457 min Scan# 879
Delta R.T. 0.135 min
Lab File: BF127087.D
Acq: 25 Feb 2022 22:53

Tgt Ion: 70 Resp: 13706
Ion Ratio Lower Upper
70 100
42 44.9 45.8 68.8#
101 0.0 6.9 10.3#
130 2.0 14.4 21.6#

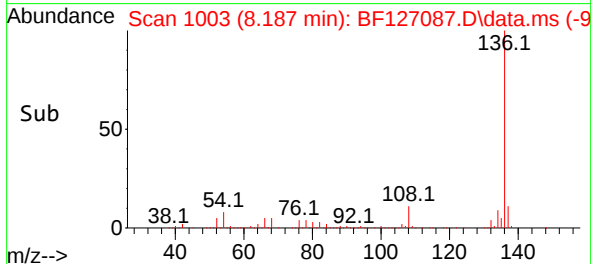
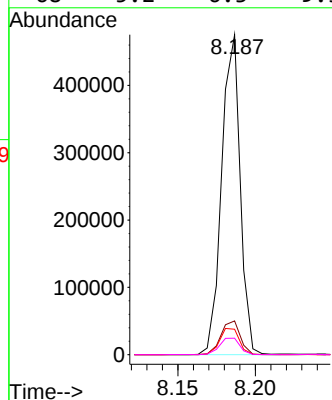
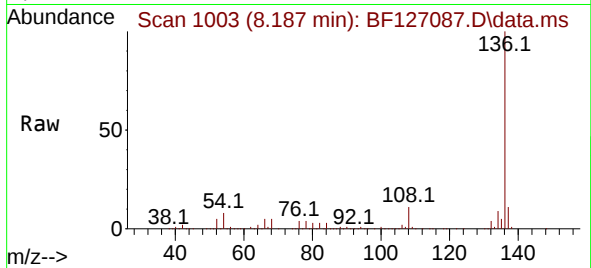




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF127087.D
Acq: 25 Feb 2022 22:53

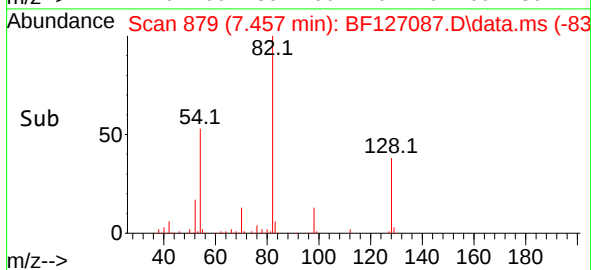
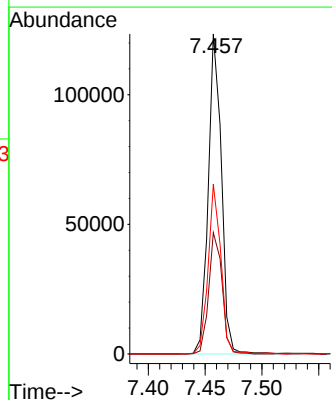
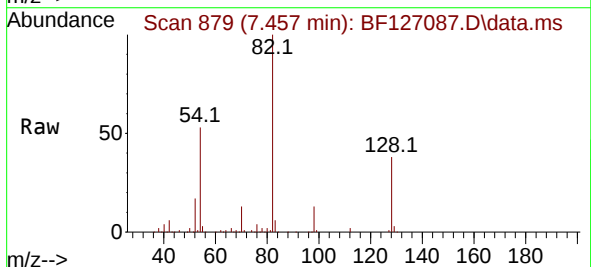
Instrument :
BNA_F
ClientSampleId :
OR-03-022422

Tgt Ion:136 Resp: 395357
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 8.0 7.8 11.6
68 5.2 6.3 9.5#



#23
Nitrobenzene-d5
Concen: 11.332 ng
RT: 7.457 min Scan# 879
Delta R.T. -0.017 min
Lab File: BF127087.D
Acq: 25 Feb 2022 22:53

Tgt Ion: 82 Resp: 99255
Ion Ratio Lower Upper
82 100
128 37.9 32.7 49.1
54 53.0 41.7 62.5

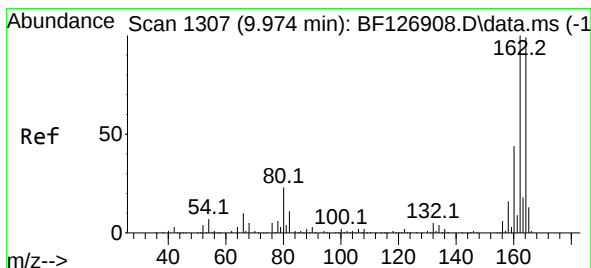
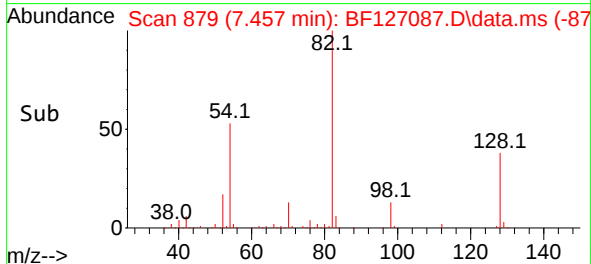
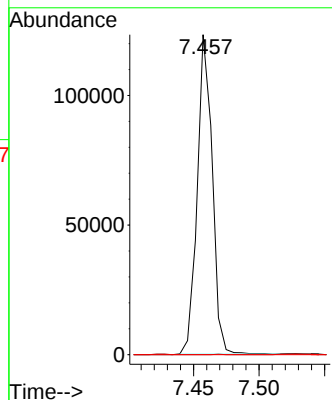
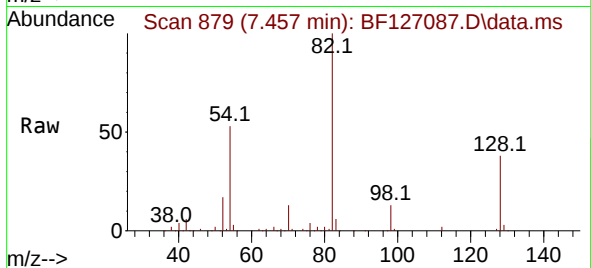




#25
Isophorone
Concen: 6.769 ng
RT: 7.457 min Scan# 81
Delta R.T. -0.276 min
Lab File: BF127087.D
Acq: 25 Feb 2022 22:53

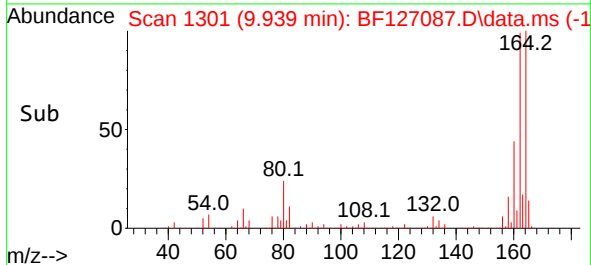
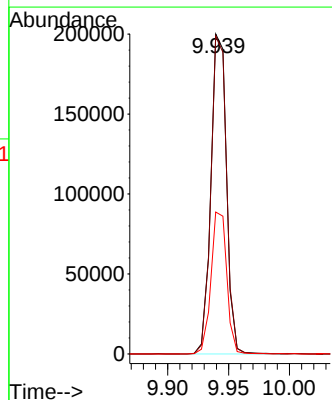
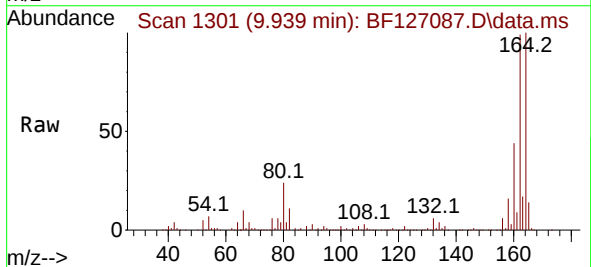
Instrument :
BNA_F
ClientSampleId :
OR-03-022422

Tgt Ion: 82 Resp: 98102
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1301
Delta R.T. -0.012 min
Lab File: BF127087.D
Acq: 25 Feb 2022 22:53

Tgt Ion:164 Resp: 177598
Ion Ratio Lower Upper
164 100
162 99.4 81.4 122.0
160 44.3 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 12.814 ng

RT: 10.728 min Scan# 1442

Delta R.T. -0.017 min

Lab File: BF127087.D

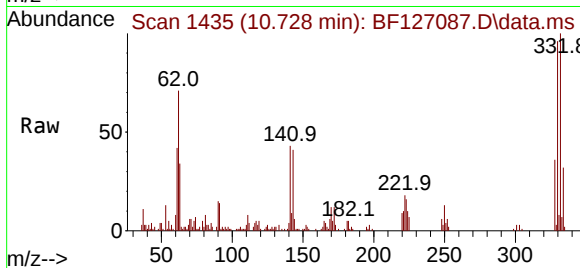
Acq: 25 Feb 2022 22:53

Instrument :

BNA_F

ClientSampleId :

OR-03-022422



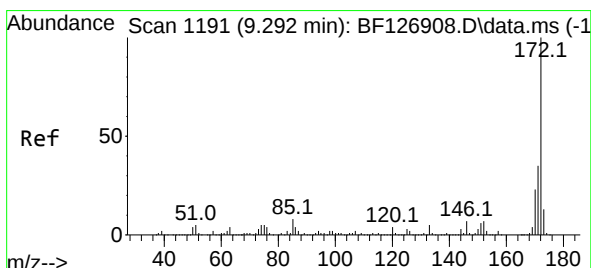
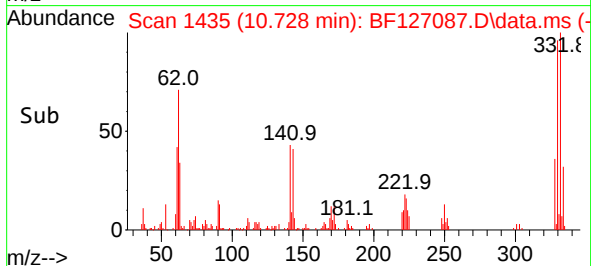
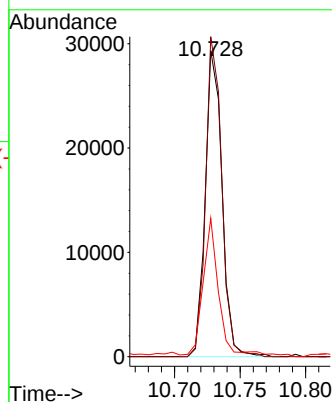
Tgt Ion:330 Resp: 26203

Ion Ratio Lower Upper

330 100

332 100.5 76.0 114.0

141 43.3 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 13.014 ng

RT: 9.257 min Scan# 1185

Delta R.T. -0.012 min

Lab File: BF127087.D

Acq: 25 Feb 2022 22:53

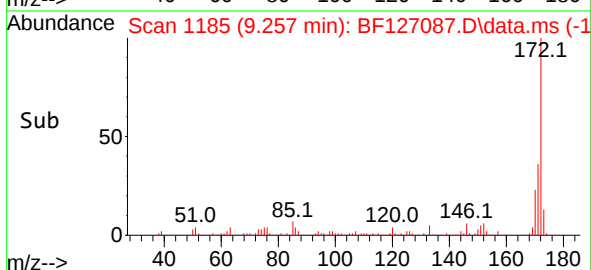
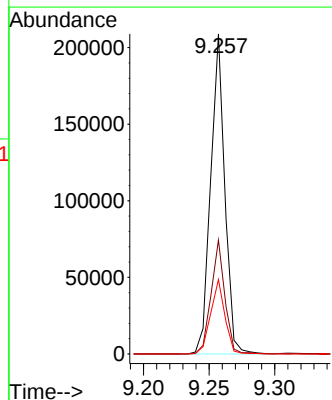
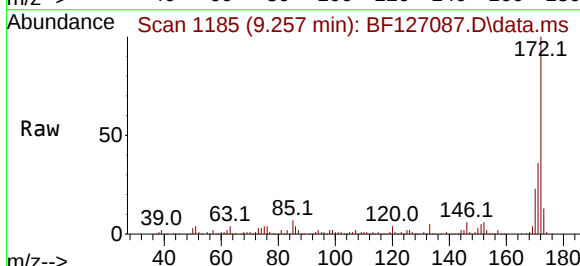
Tgt Ion:172 Resp: 156995

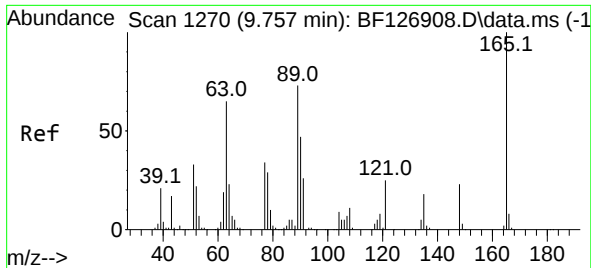
Ion Ratio Lower Upper

172 100

171 35.6 28.3 42.5

170 23.3 19.0 28.6

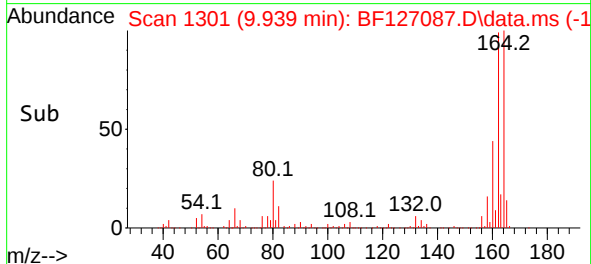
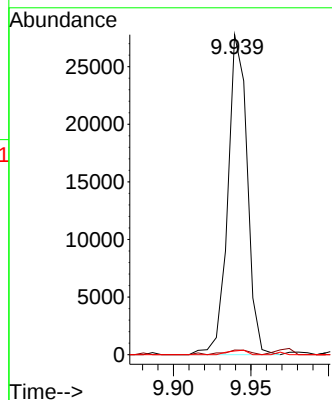
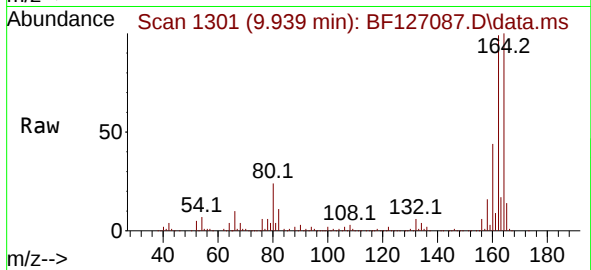




#51
2,6-Dinitrotoluene
Concen: 9.344 ng
RT: 9.939 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF127087.D
Acq: 25 Feb 2022 22:53

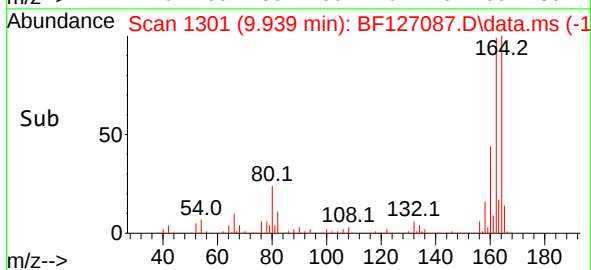
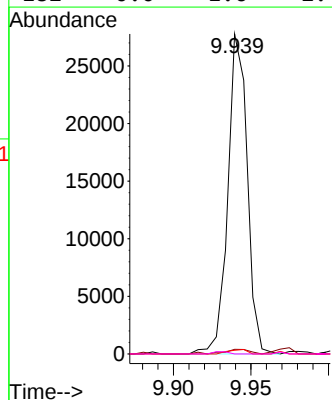
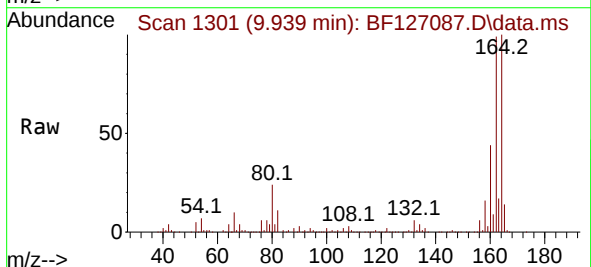
Instrument :
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Tgt Ion:165 Resp: 24134
Ion Ratio Lower Upper
165 100
63 1.5 48.4 72.6#
89 1.2 50.5 75.7#



#57
2,4-Dinitrotoluene
Concen: 6.911 ng
RT: 9.939 min Scan# 1301
Delta R.T. -0.200 min
Lab File: BF127087.D
Acq: 25 Feb 2022 22:53

Tgt Ion:165 Resp: 24134
Ion Ratio Lower Upper
165 100
63 1.5 43.0 64.6#
89 1.2 71.0 106.4#
182 0.0 1.6 2.4#

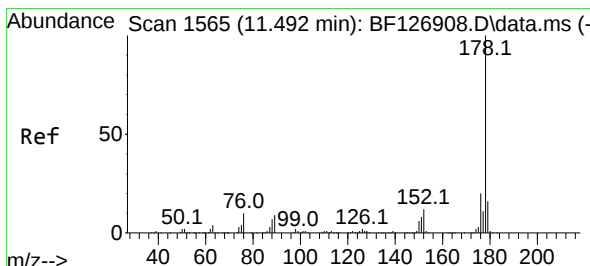
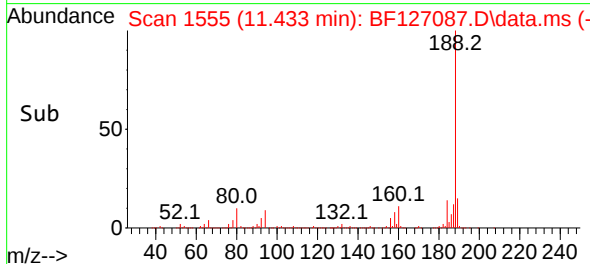
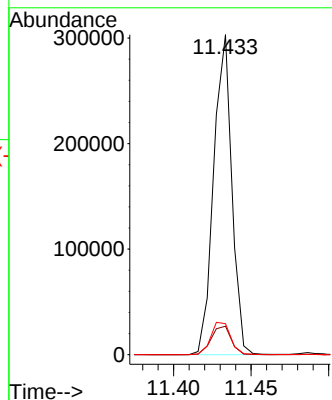
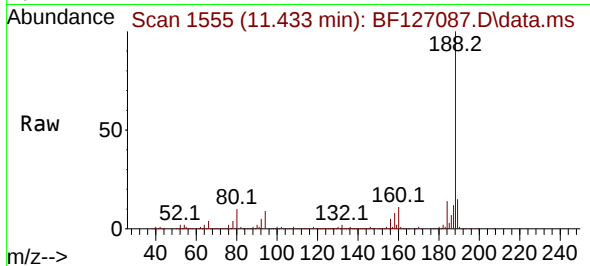




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF127087.D
Acq: 25 Feb 2022 22:53

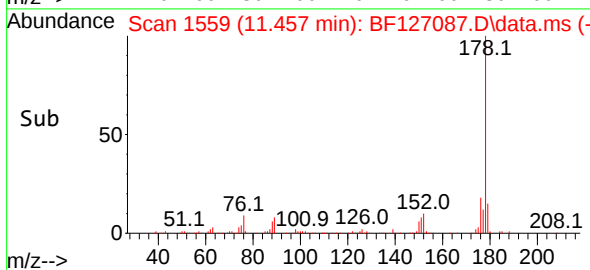
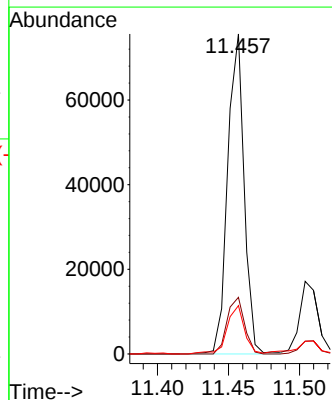
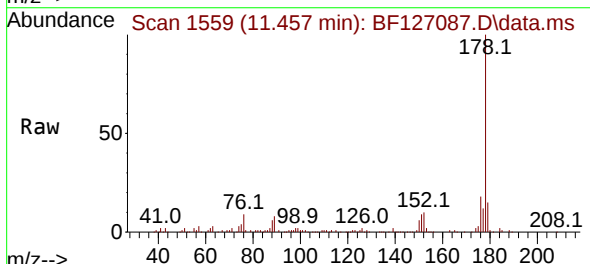
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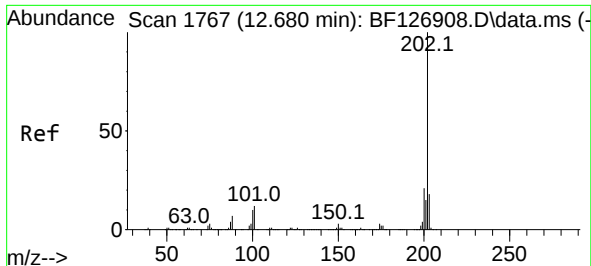
Tgt Ion:188 Resp: 246967
Ion Ratio Lower Upper
188 100
94 8.9 10.1 15.1#
80 9.7 11.8 17.6#



#71
Phenanthrene
Concen: 4.418 ng
RT: 11.457 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BF127087.D
Acq: 25 Feb 2022 22:53

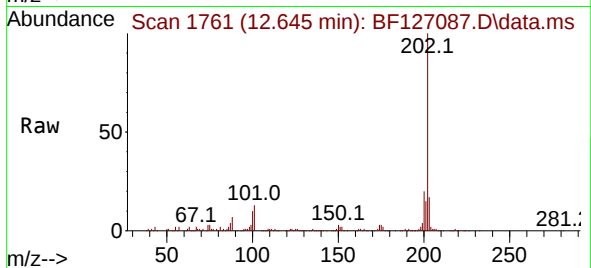
Tgt Ion:178 Resp: 61070
Ion Ratio Lower Upper
178 100
176 17.7 15.7 23.5
179 15.1 12.3 18.5



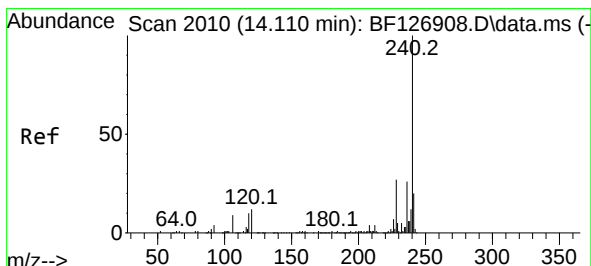
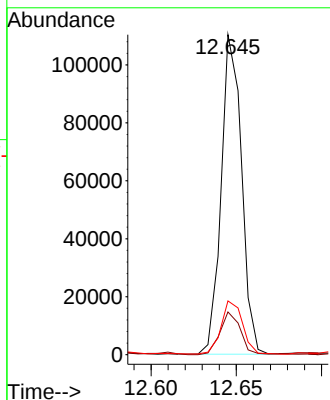
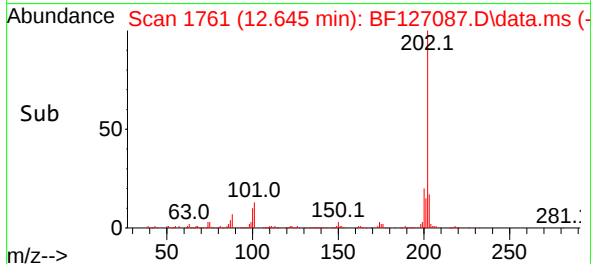


#75
Fluoranthene
Concen: 6.988 ng
RT: 12.645 min Scan# 1761
Delta R.T. -0.012 min
Lab File: BF127087.D
Acq: 25 Feb 2022 22:53

Instrument :
BNA_F
ClientSampleId :
OR-03-022422

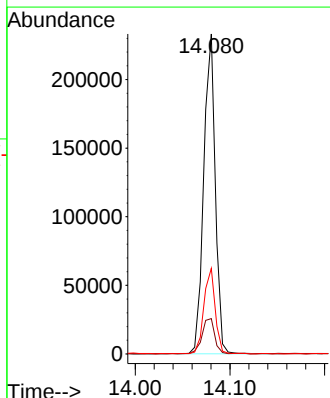
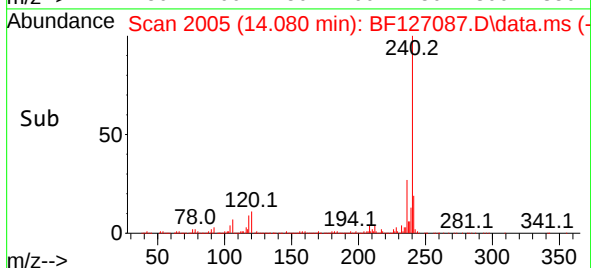
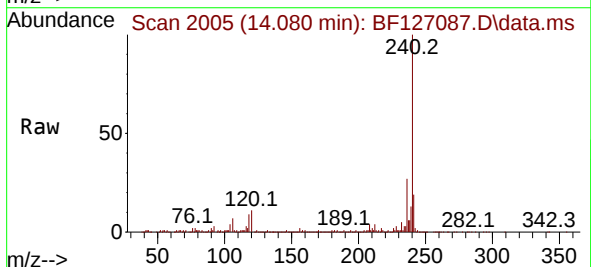


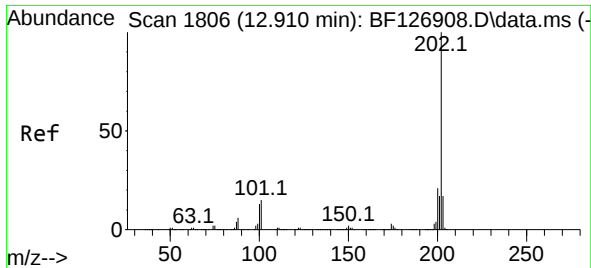
Tgt Ion:202 Resp: 91725
Ion Ratio Lower Upper
202 100
101 13.4 0.0 35.7
203 16.8 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2005
Delta R.T. -0.006 min
Lab File: BF127087.D
Acq: 25 Feb 2022 22:53

Tgt Ion:240 Resp: 197468
Ion Ratio Lower Upper
240 100
120 11.0 14.4 21.6#
236 26.7 20.5 30.7

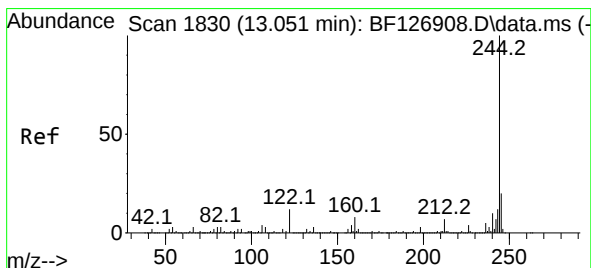
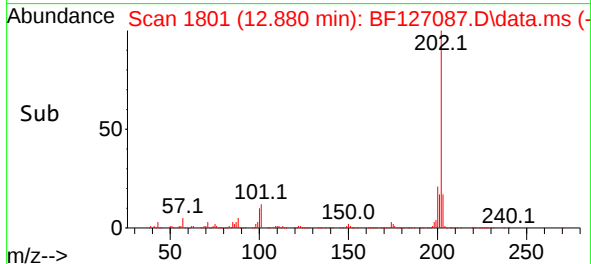
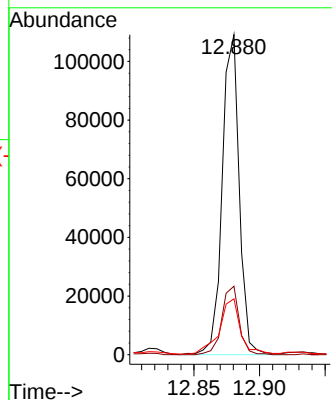
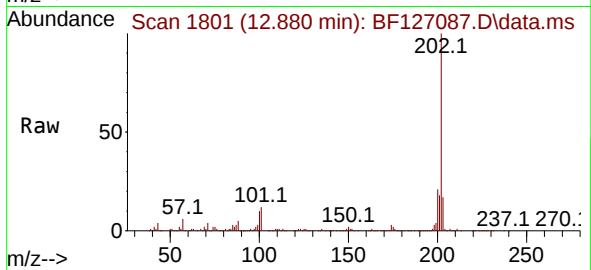




#78
 Pyrene
 Concen: 5.741 ng
 RT: 12.880 min Scan# 1801
 Delta R.T. -0.012 min
 Lab File: BF127087.D
 Acq: 25 Feb 2022 22:53

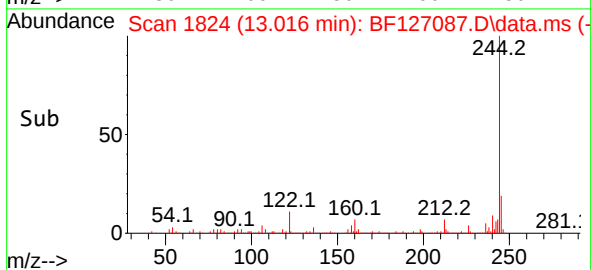
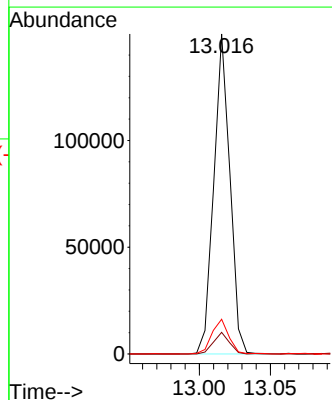
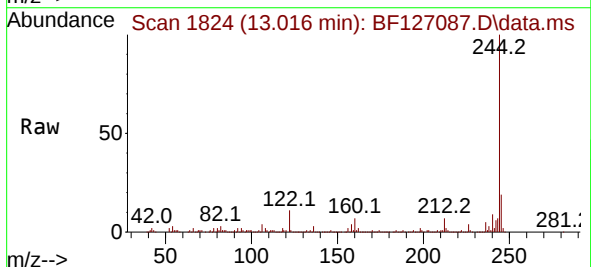
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-022422

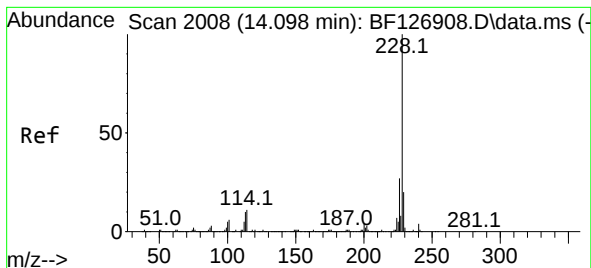
Tgt Ion:202	Resp:	98484
Ion Ratio	Lower	Upper
202	100	
200	21.4	16.6 24.8
203	17.5	13.8 20.8



#79
 Terphenyl-d14
 Concen: 8.805 ng
 RT: 13.016 min Scan# 1824
 Delta R.T. -0.012 min
 Lab File: BF127087.D
 Acq: 25 Feb 2022 22:53

Tgt Ion:244	Resp:	118279
Ion Ratio	Lower	Upper
244	100	
212	6.8	5.0 7.4
122	10.9	13.3 19.9





#81

Benzo(a)anthracene

Concen: 4.019 ng

RT: 14.104 min Scan# 2009

Delta R.T. 0.024 min

Lab File: BF127087.D

Acq: 25 Feb 2022 22:53

Instrument :

BNA_F

ClientSampleId :

OR-03-022422

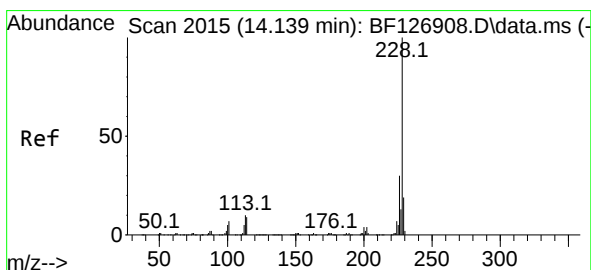
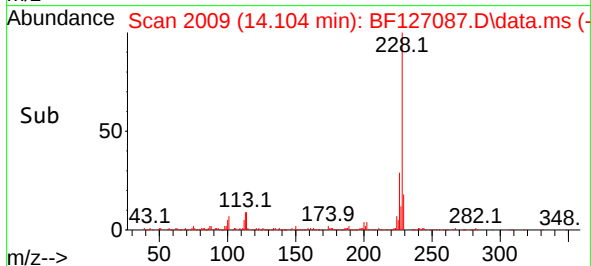
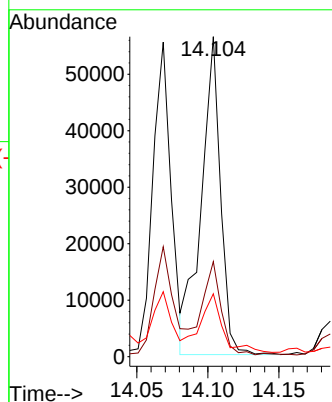
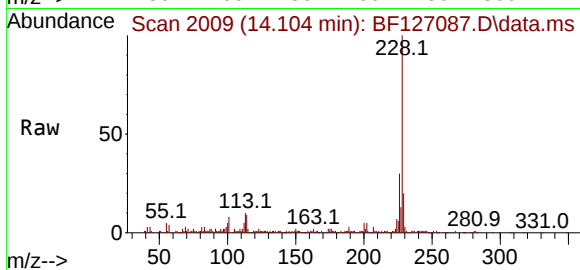
Tgt Ion:228 Resp: 53499

Ion Ratio Lower Upper

228 100

226 29.7 21.4 32.0

229 19.7 15.4 23.2



#83

Chrysene

Concen: 4.274 ng

RT: 14.104 min Scan# 2009

Delta R.T. -0.012 min

Lab File: BF127087.D

Acq: 25 Feb 2022 22:53

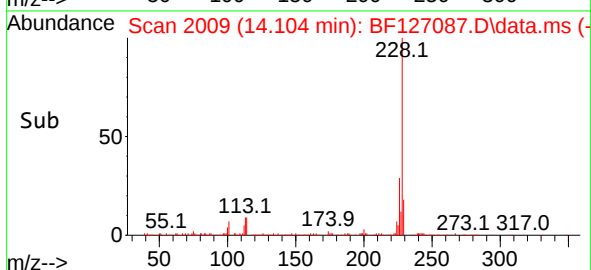
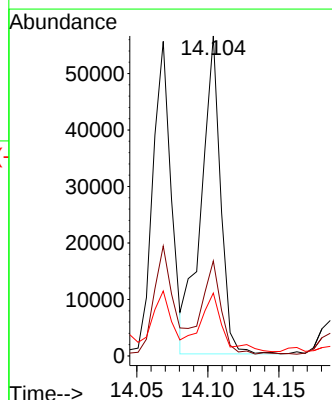
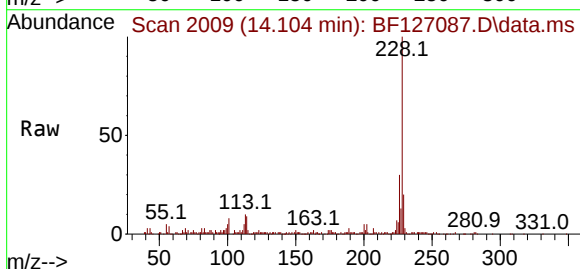
Tgt Ion:228 Resp: 53499

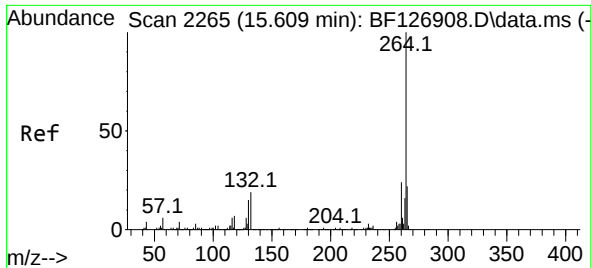
Ion Ratio Lower Upper

228 100

226 29.7 23.7 35.5

229 19.7 15.5 23.3

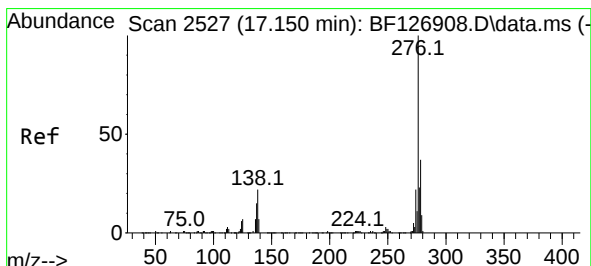
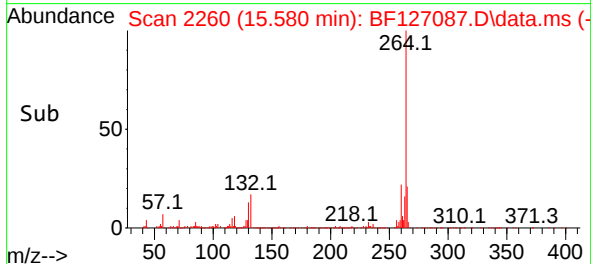
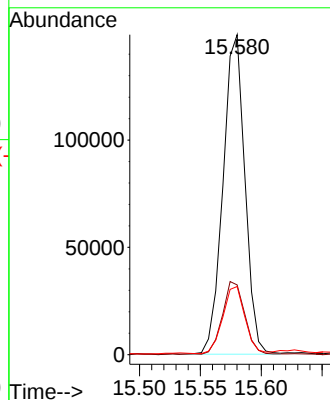
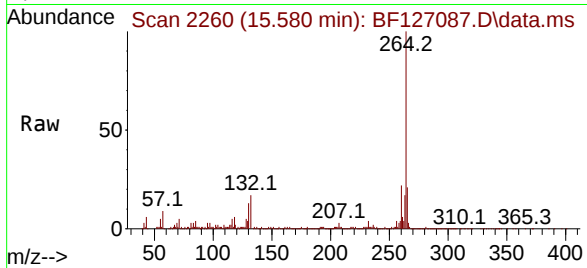




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF127087.D
Acq: 25 Feb 2022 22:53

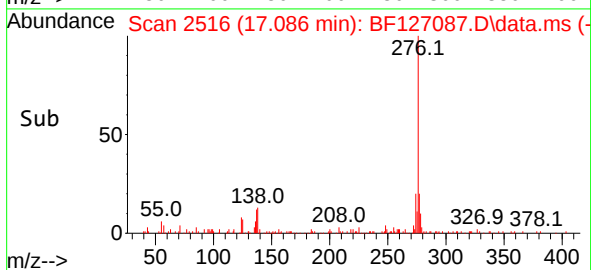
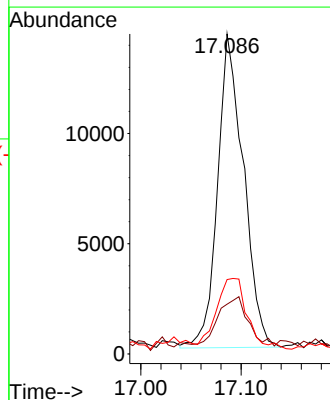
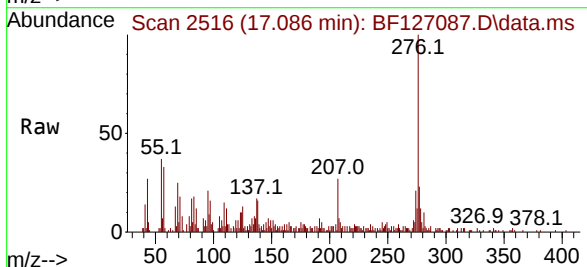
Instrument :
BNA_F
ClientSampleId :
OR-03-022422

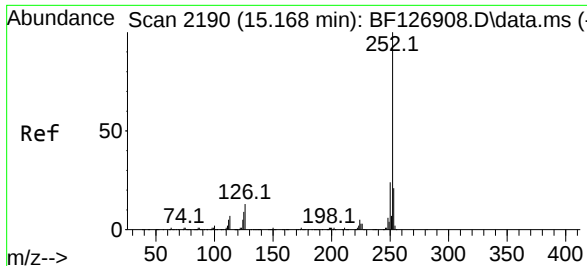
Tgt Ion:264 Resp: 186640
Ion Ratio Lower Upper
264 100
260 21.8 19.2 28.8
265 21.3 17.4 26.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.089 ng
RT: 17.086 min Scan# 2516
Delta R.T. -0.029 min
Lab File: BF127087.D
Acq: 25 Feb 2022 22:53

Tgt Ion:276 Resp: 25564
Ion Ratio Lower Upper
276 100
138 19.0 29.2 43.8#
277 26.8 19.8 29.8

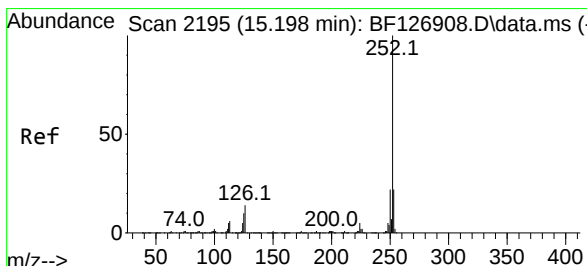
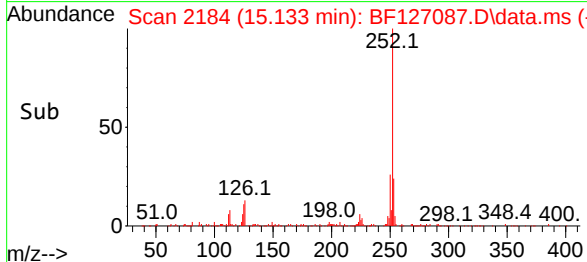
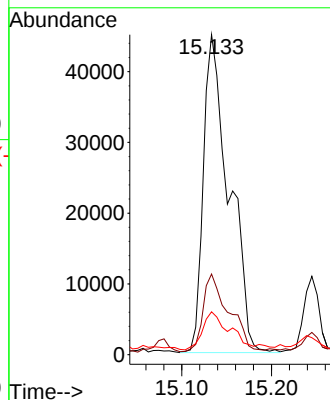
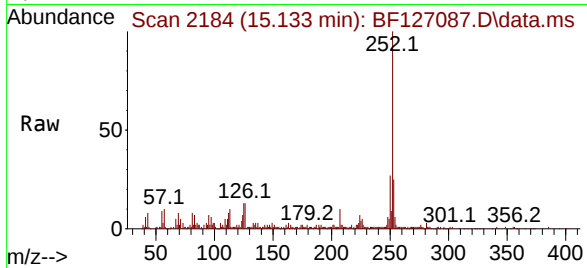




#88
Benzo(b)fluoranthene
Concen: 7.155 ng
RT: 15.133 min Scan# 2190
Delta R.T. -0.012 min
Lab File: BF127087.D
Acq: 25 Feb 2022 22:53

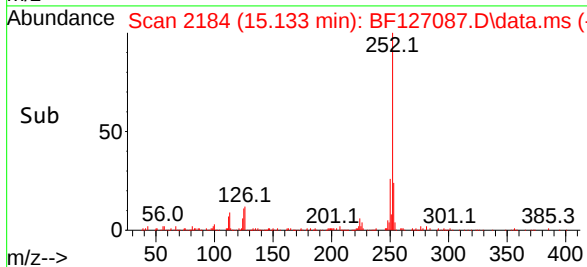
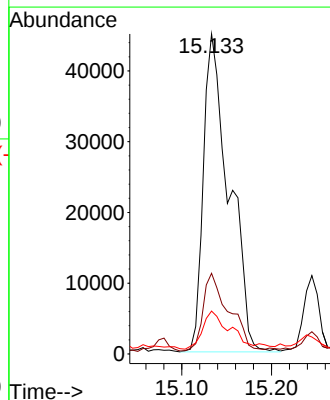
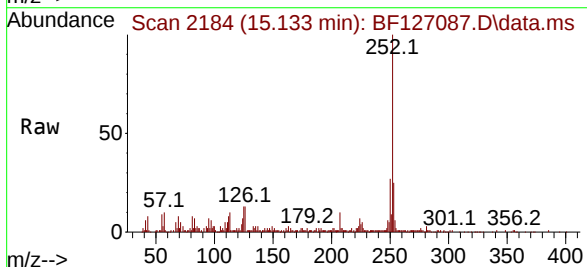
Instrument :
BNA_F
ClientSampleId :
OR-03-022422

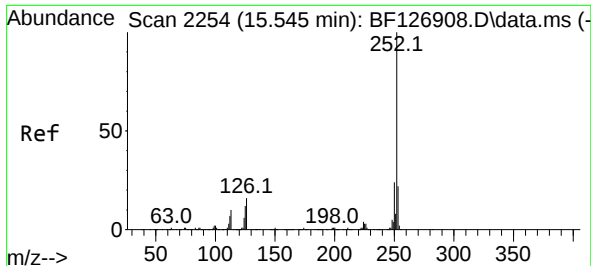
Tgt Ion:252 Resp: 89685
Ion Ratio Lower Upper
252 100
253 25.2 17.8 26.8
125 13.4 12.4 18.6



#89
Benzo(k)fluoranthene
Concen: 7.418 ng
RT: 15.133 min Scan# 2184
Delta R.T. -0.041 min
Lab File: BF127087.D
Acq: 25 Feb 2022 22:53

Tgt Ion:252 Resp: 89685
Ion Ratio Lower Upper
252 100
253 25.2 17.5 26.3
125 13.4 11.8 17.6

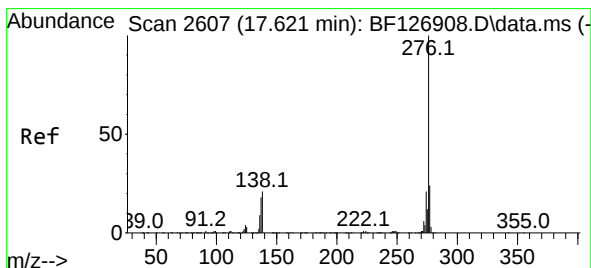
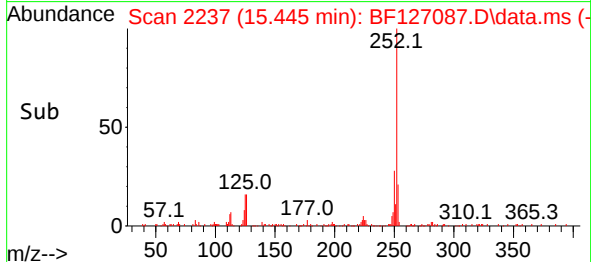
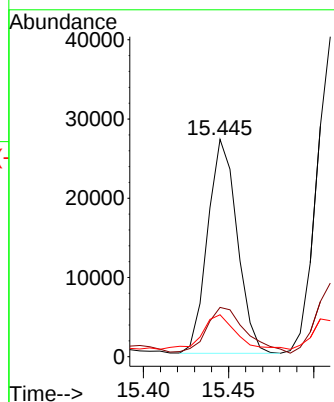
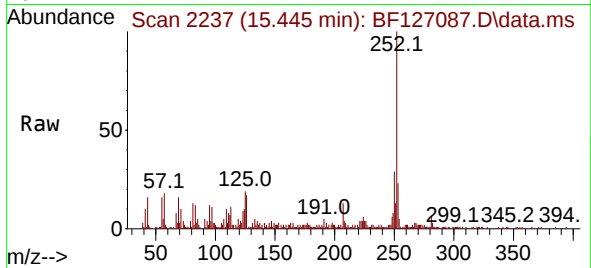




#90
Benzo(a)pyrene
Concen: 3.322 ng
RT: 15.445 min Scan# 21
Delta R.T. -0.076 min
Lab File: BF127087.D
Acq: 25 Feb 2022 22:53

Instrument :
BNA_F
ClientSampleId :
OR-03-022422

Tgt Ion:252	Resp:	32523
Ion Ratio	Lower	Upper
252	100	
253	22.7	17.1 25.7
125	19.3	13.0 19.6



#92
Benzo(g,h,i)perylene
Concen: 2.396 ng
RT: 17.551 min Scan# 2595
Delta R.T. -0.029 min
Lab File: BF127087.D
Acq: 25 Feb 2022 22:53

Tgt Ion:276	Resp:	23911
Ion Ratio	Lower	Upper
276	100	
277	28.5	18.5 27.7#
138	21.7	25.9 38.9#

