

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101320\
 Data File : BF121948.D
 Acq On : 13 Oct 2020 20:21
 Operator : JU/CG
 Sample : L4372-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-HADLEY

Quant Time: Oct 14 02:07:55 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 12 16:22:33 2020
 Response via : Initial Calibration

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

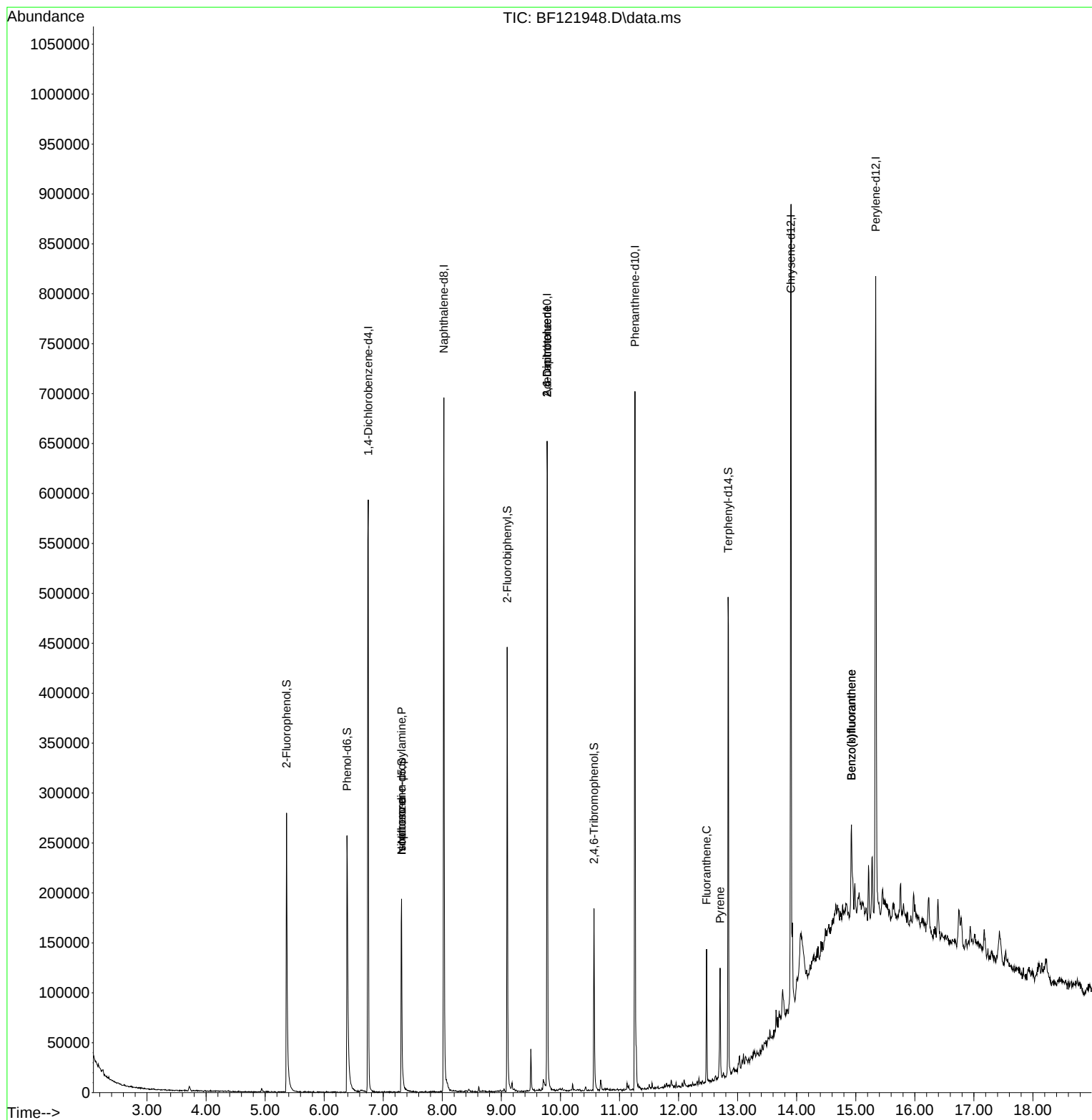
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	93840	20.00	ng	0.00
21) Naphthalene-d8	8.028	136	330074	20.00	ng	0.00
39) Acenaphthene-d10	9.775	164	141538	20.00	ng	-0.01
64) Phenanthrene-d10	11.263	188	252876	20.00	ng	-0.01
76) Chrysene-d12	13.904	240	274938	20.00	ng	-0.01
86) Perylene-d12	15.339	264	262049	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	102073	16.05	ng	0.00
7) Phenol-d6	6.387	99	126001	15.39	ng	-0.01
23) Nitrobenzene-d5	7.310	82	80163	12.46	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	23820	13.60	ng	-0.01
45) 2-Fluorobiphenyl	9.098	172	146721	15.25	ng	-0.01
79) Terphenyl-d14	12.839	244	145456	10.08	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.310	70	9881	2.12	ng	Qvalue # 77
25) Isophorone	7.310	82	80163	6.59	ng	# 67
51) 2,6-Dinitrotoluene	9.775	165	17959	7.91	ng	# 19
57) 2,4-Dinitrotoluene	9.775	165	17959	6.43	ng	# 18
75) Fluoranthene	12.474	202	48713	3.28	ng	97
78) Pyrene	12.704	202	44657	2.13	ng	97
88) Benzo(b)fluoranthene	14.927	252	57852	3.27	ng	# 93
89) Benzo(k)fluoranthene	14.927	252	57852	3.44	ng	# 92

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

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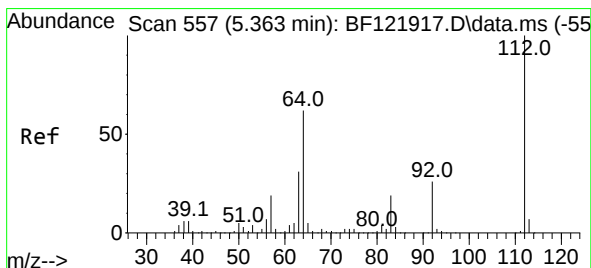
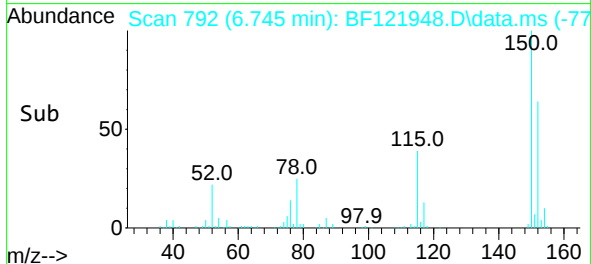
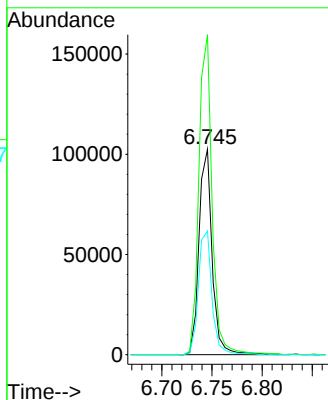
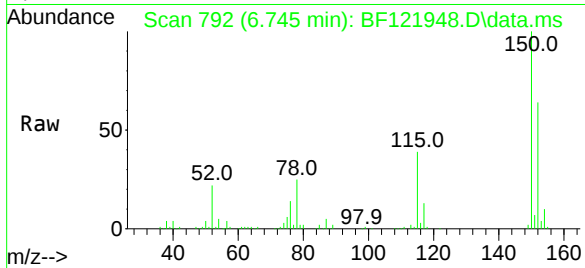




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.745 min Scan# 792
 Delta R.T. 0.000 min
 Lab File: BF121948.D
 Acq: 13 Oct 2020 20:21

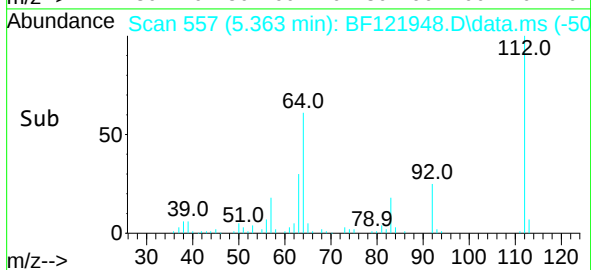
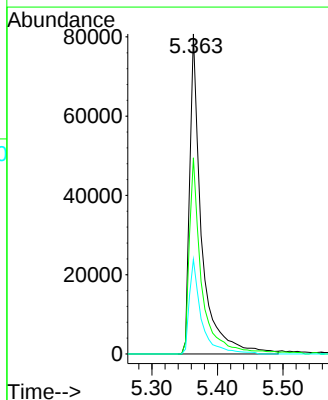
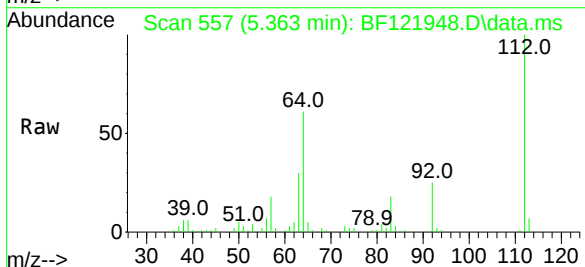
Instrument :
 BNA_F
 ClientSampleId :
 WC-HADLEY

Tgt Ion:152 Resp: 93840
 Ion Ratio Lower Upper
 152 100
 150 155.7 125.3 187.9
 115 60.3 51.9 77.9



#5
 2-Fluorophenol
 Concen: 16.05 ng
 RT: 5.363 min Scan# 557
 Delta R.T. 0.000 min
 Lab File: BF121948.D
 Acq: 13 Oct 2020 20:21

Tgt Ion:112 Resp: 102073
 Ion Ratio Lower Upper
 112 100
 64 61.3 50.4 75.6
 63 29.5 25.8 38.6

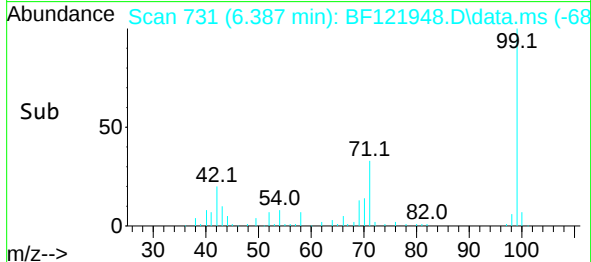
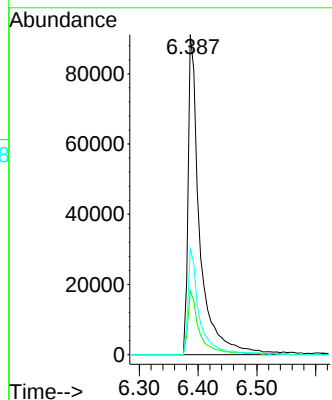
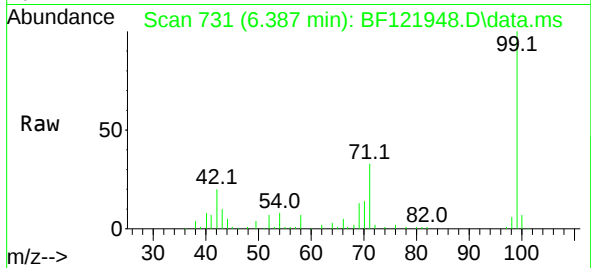




#7
Phenol-d6
Concen: 15.39 ng
RT: 6.387 min Scan# 731
Delta R.T. -0.012 min
Lab File: BF121948.D
Acq: 13 Oct 2020 20:21

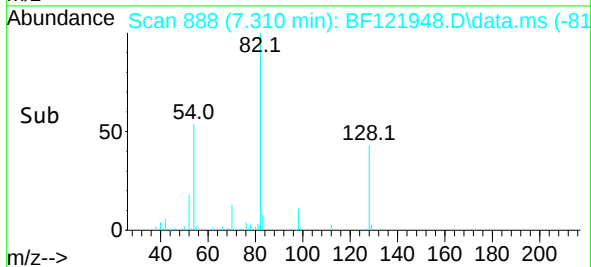
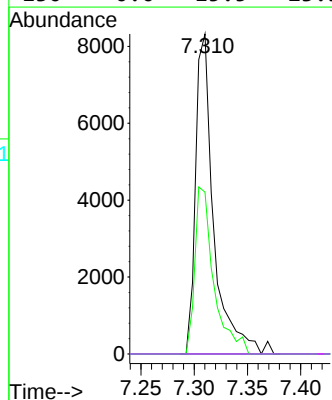
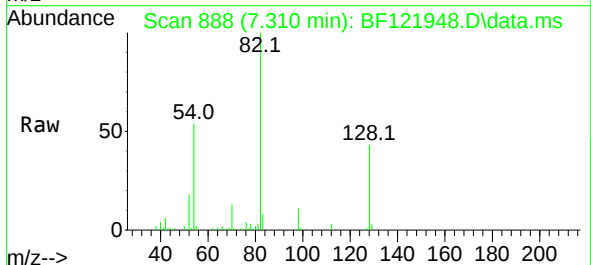
Instrument :
BNA_F
ClientSampleId :
WC-HADLEY

Tgt Ion: 99 Resp: 126001
Ion Ratio Lower Upper
99 100
42 19.9 15.9 23.9
71 33.0 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 2.12 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.141 min
Lab File: BF121948.D
Acq: 13 Oct 2020 20:21

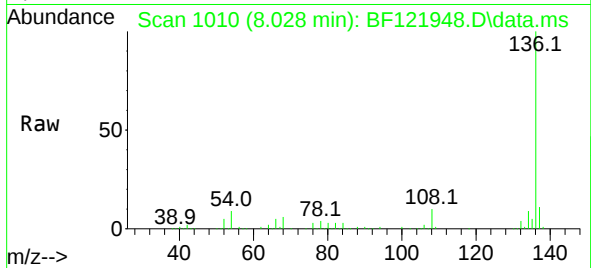
Tgt Ion: 70 Resp: 9881
Ion Ratio Lower Upper
70 100
42 50.5 50.2 75.4
101 0.0 7.5 11.3#
130 0.0 15.5 23.3#



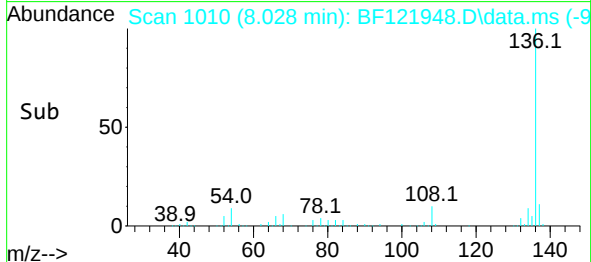
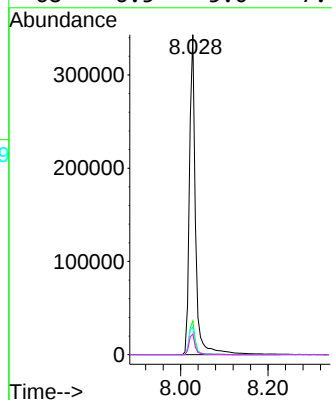


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.028 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BF121948.D
Acq: 13 Oct 2020 20:21

Instrument :
BNA_F
ClientSampleId :
WC-HADLEY

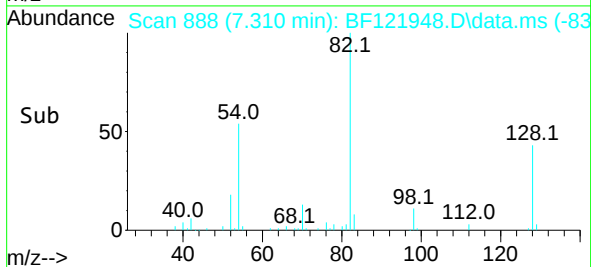
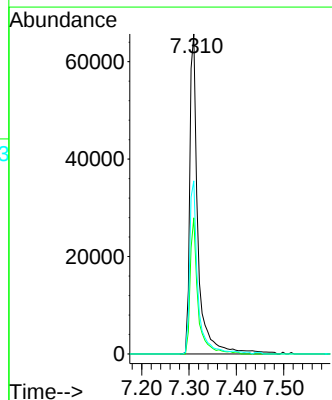
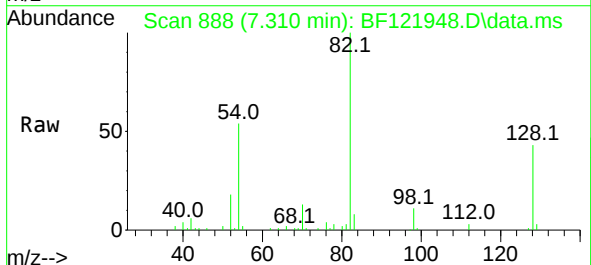


Tgt Ion:136 Resp: 330074
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 8.6 7.1 10.7
68 6.5 5.0 7.4



#23
Nitrobenzene-d5
Concen: 12.46 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.012 min
Lab File: BF121948.D
Acq: 13 Oct 2020 20:21

Tgt Ion: 82 Resp: 80163
Ion Ratio Lower Upper
82 100
128 42.6 35.0 52.4
54 54.1 43.9 65.9

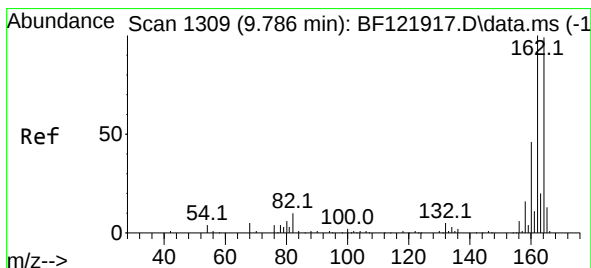
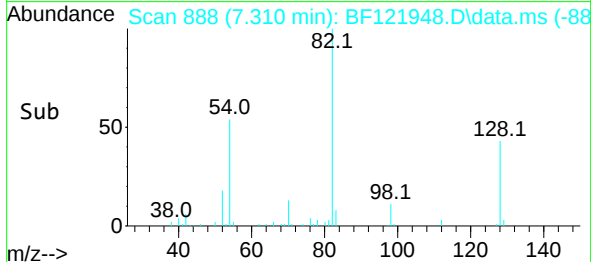
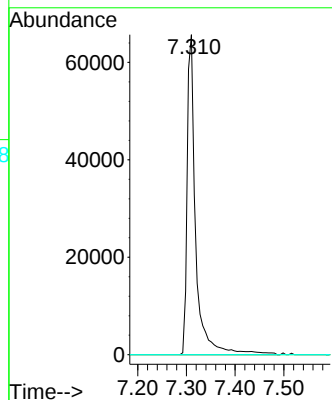
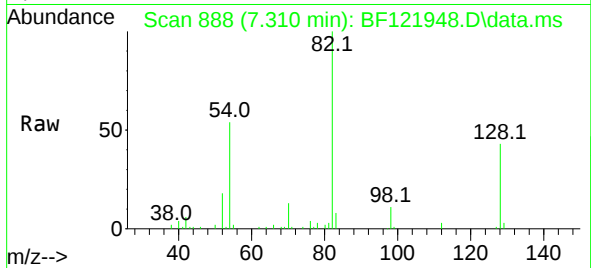




#25
Isophorone
Concen: 6.59 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.271 min
Lab File: BF121948.D
Acq: 13 Oct 2020 20:21

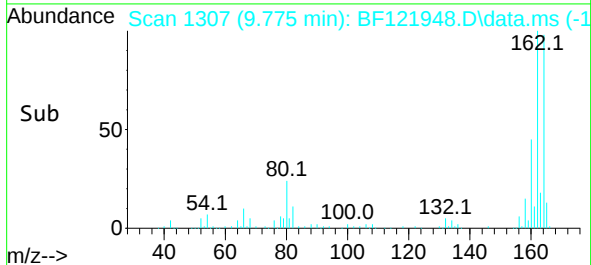
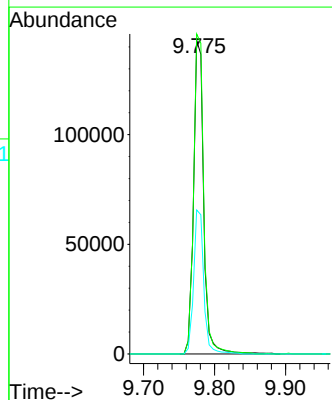
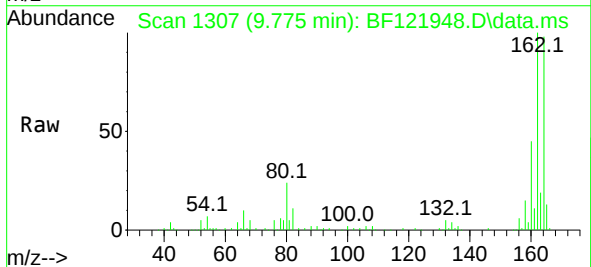
Instrument :
BNA_F
ClientSampleId :
WC-HADLEY

Tgt Ion: 82 Resp: 80163
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.011 min
Lab File: BF121948.D
Acq: 13 Oct 2020 20:21

Tgt Ion:164 Resp: 141538
Ion Ratio Lower Upper
164 100
162 102.0 83.2 124.8
160 45.9 37.5 56.3

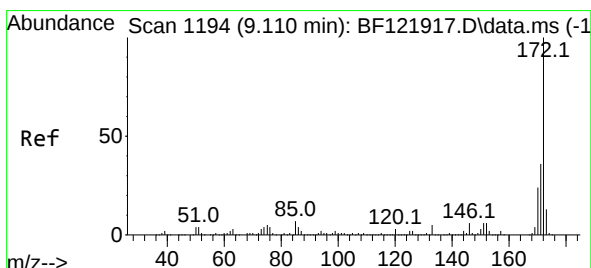
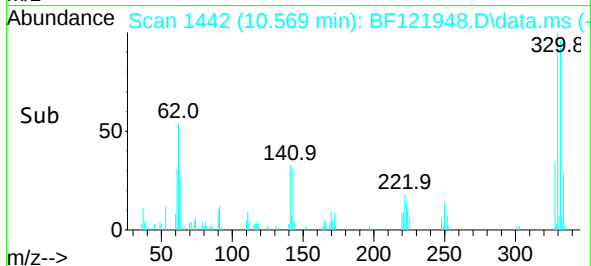
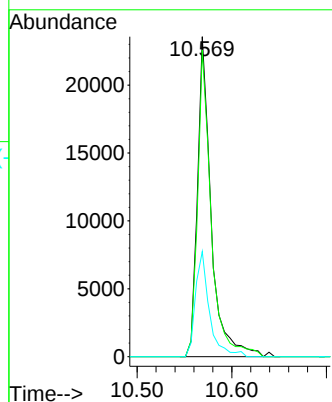
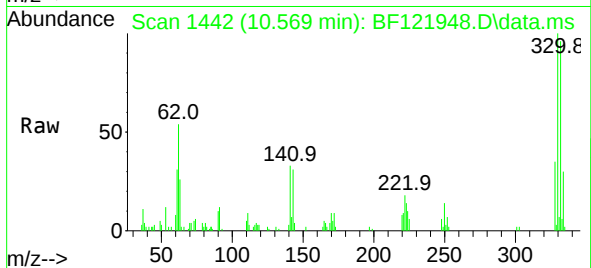




#42
2,4,6-Tribromophenol
Concen: 13.60 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.012 min
Lab File: BF121948.D
Acq: 13 Oct 2020 20:21

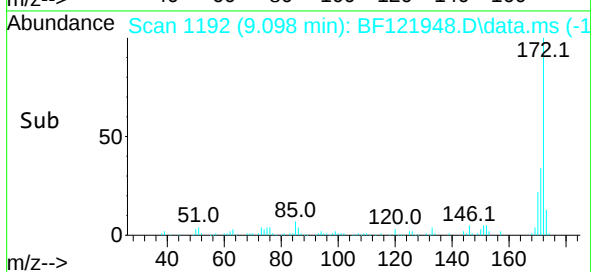
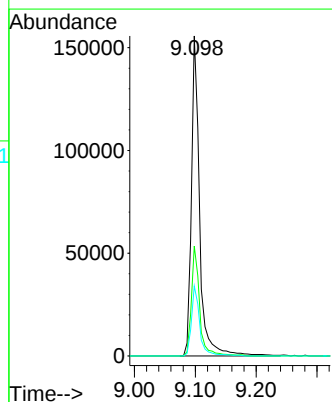
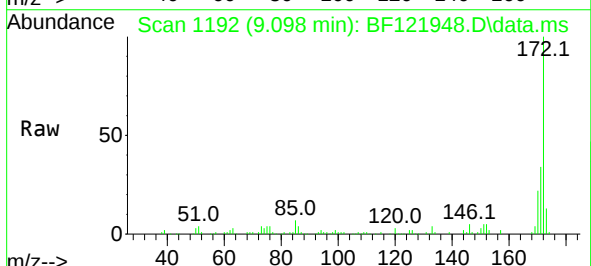
Instrument :
BNA_F
ClientSampleId :
WC-HADLEY

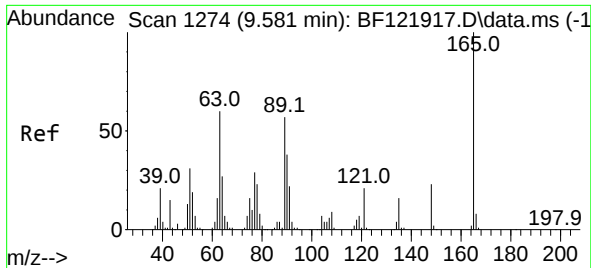
Tgt Ion: 330 Resp: 23820
Ion Ratio Lower Upper
330 100
332 94.8 77.3 115.9
141 33.3 22.3 33.5



#45
2-Fluorobiphenyl
Concen: 15.25 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.012 min
Lab File: BF121948.D
Acq: 13 Oct 2020 20:21

Tgt Ion: 172 Resp: 146721
Ion Ratio Lower Upper
172 100
171 34.4 29.1 43.7
170 21.8 19.8 29.6

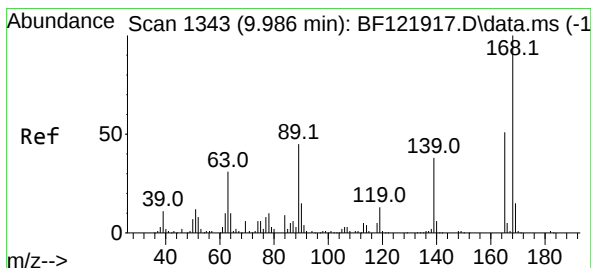
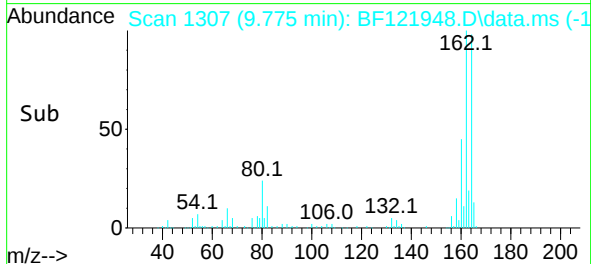
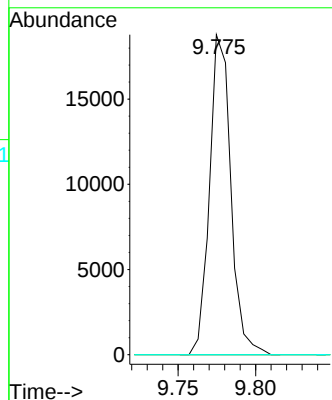
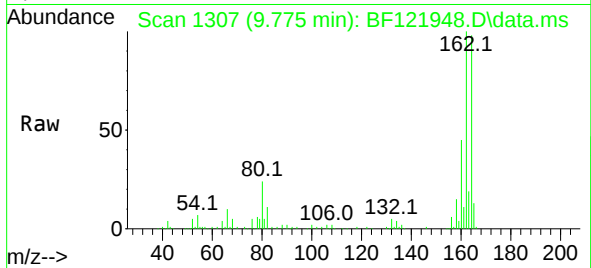




#51
2,6-Dinitrotoluene
Concen: 7.91 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.194 min
Lab File: BF121948.D
Acq: 13 Oct 2020 20:21

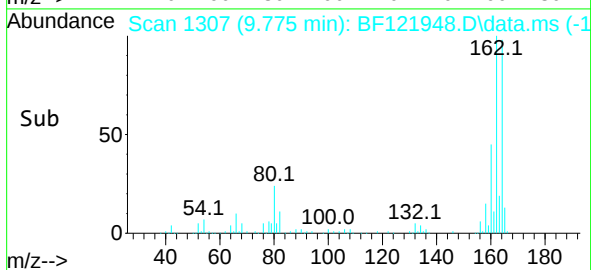
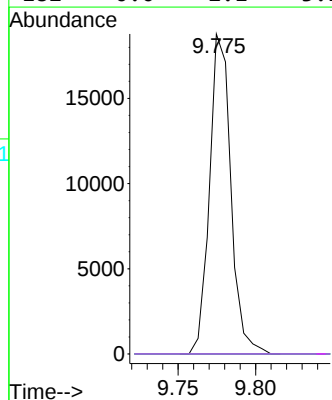
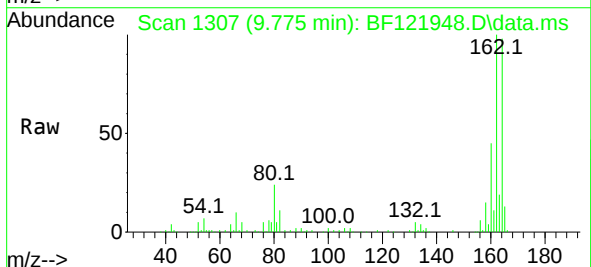
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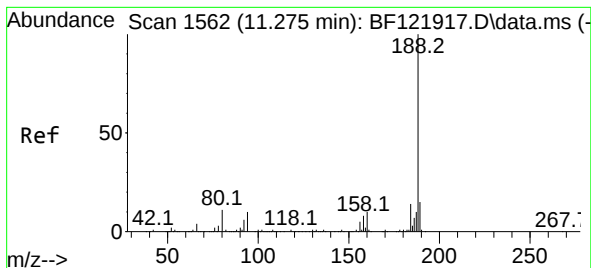
Tgt Ion:165 Resp: 17959
Ion Ratio Lower Upper
165 100
63 0.0 51.8 77.6#
89 0.0 49.0 73.6#



#57
2,4-Dinitrotoluene
Concen: 6.43 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.212 min
Lab File: BF121948.D
Acq: 13 Oct 2020 20:21

Tgt Ion:165 Resp: 17959
Ion Ratio Lower Upper
165 100
63 0.0 41.3 61.9#
89 0.0 61.8 92.8#
182 0.0 2.1 3.1#

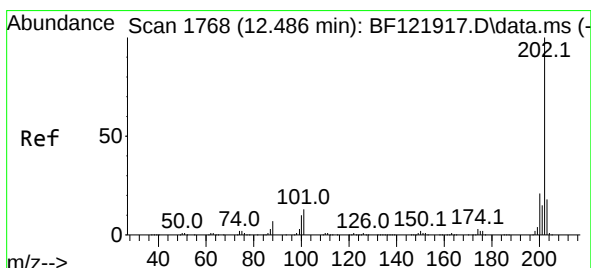
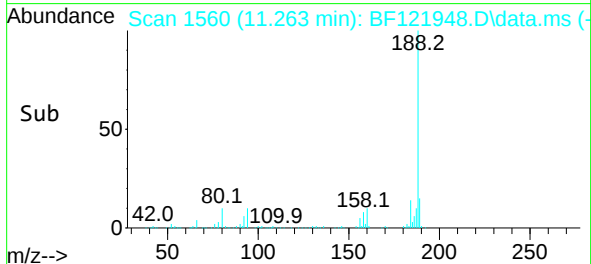
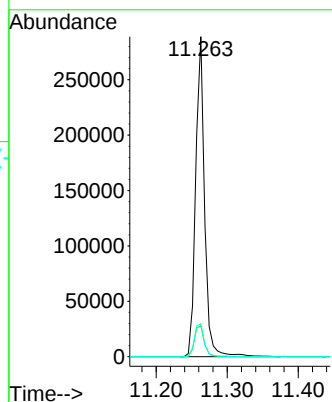
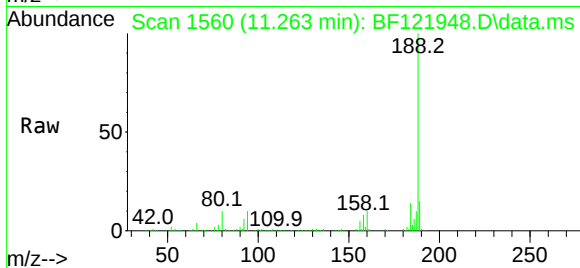




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BF121948.D
Acq: 13 Oct 2020 20:21

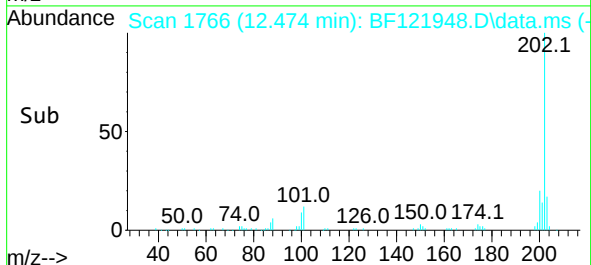
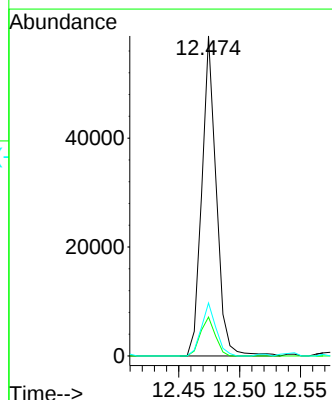
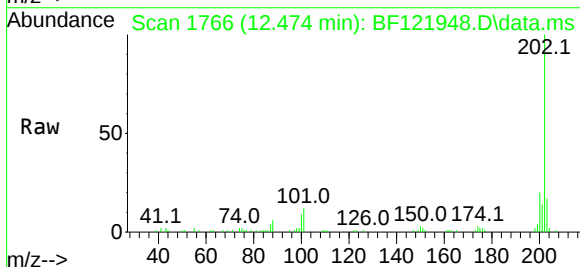
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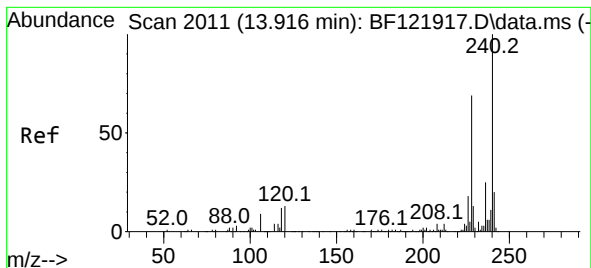
Tgt Ion:188 Resp: 252876
Ion Ratio Lower Upper
188 100
94 9.6 8.3 12.5
80 10.3 9.1 13.7



#75
Fluoranthene
Concen: 3.28 ng
RT: 12.474 min Scan# 1766
Delta R.T. -0.012 min
Lab File: BF121948.D
Acq: 13 Oct 2020 20:21

Tgt Ion:202 Resp: 48713
Ion Ratio Lower Upper
202 100
101 12.2 0.0 33.4
203 16.6 0.0 37.9

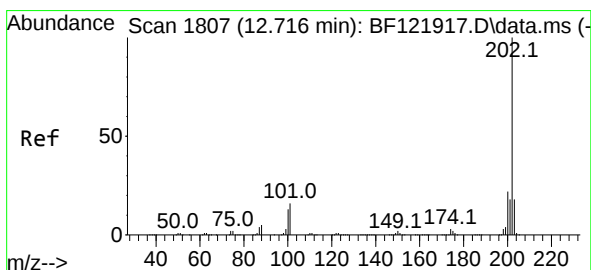
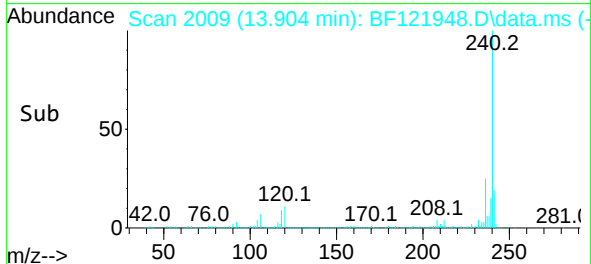
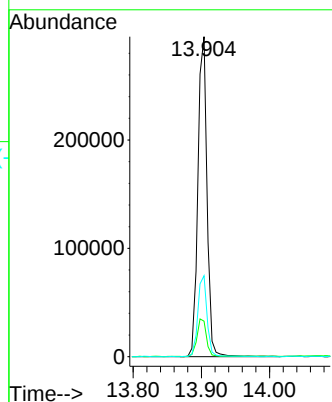
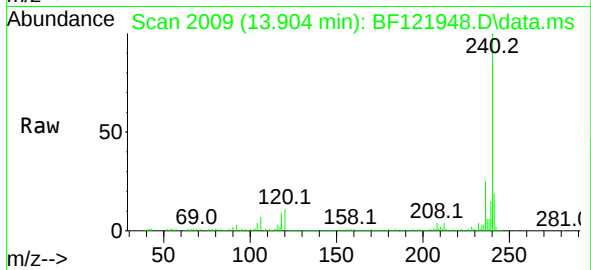




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.012 min
Lab File: BF121948.D
Acq: 13 Oct 2020 20:21

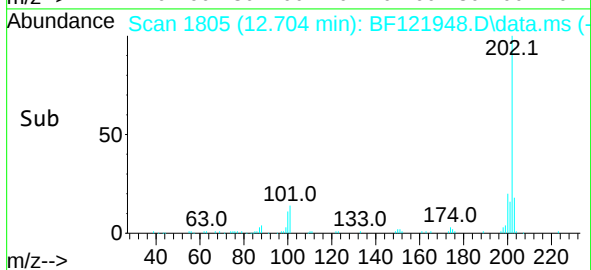
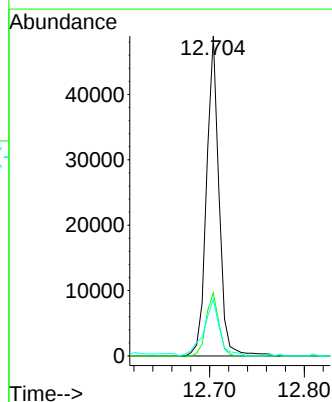
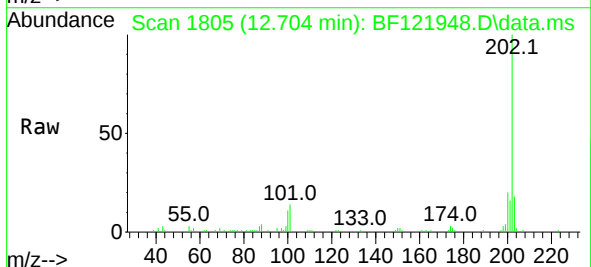
Instrument :
BNA_F
ClientSampleId :
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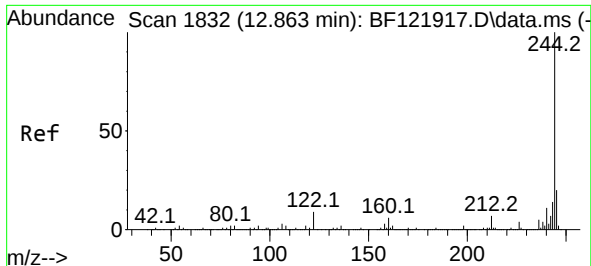
Tgt Ion:240 Resp: 274938
Ion Ratio Lower Upper
240 100
120 11.1 9.2 13.8
236 25.3 20.9 31.3



#78
Pyrene
Concen: 2.13 ng
RT: 12.704 min Scan# 1805
Delta R.T. -0.012 min
Lab File: BF121948.D
Acq: 13 Oct 2020 20:21

Tgt Ion:202 Resp: 44657
Ion Ratio Lower Upper
202 100
200 19.8 17.4 26.2
203 17.6 14.6 21.8

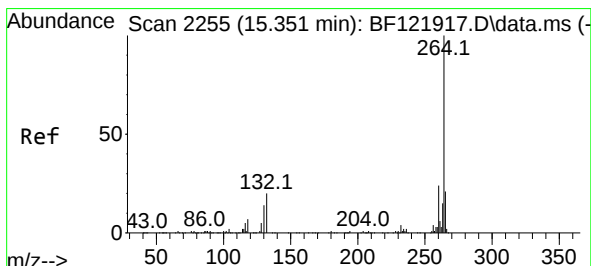
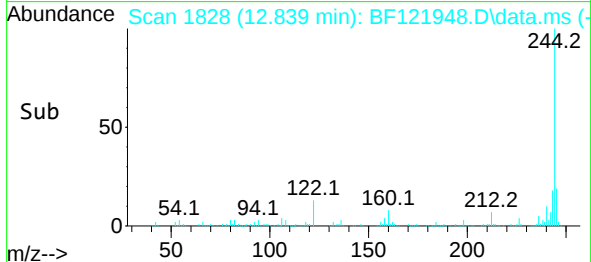
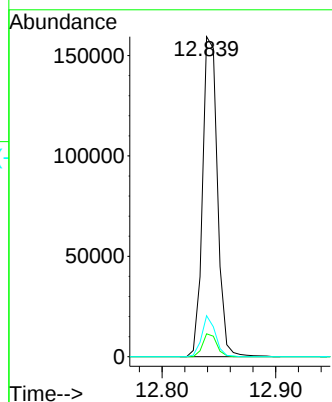
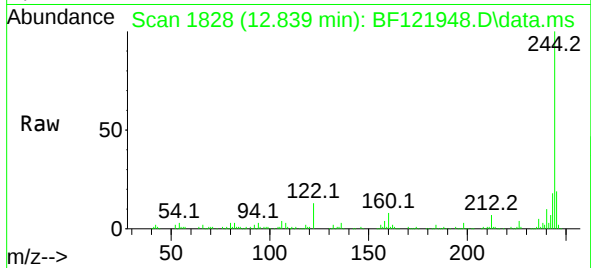




#79
 Terphenyl-d14
 Concen: 10.08 ng
 RT: 12.839 min Scan# 1828
 Delta R.T. -0.023 min
 Lab File: BF121948.D
 Acq: 13 Oct 2020 20:21

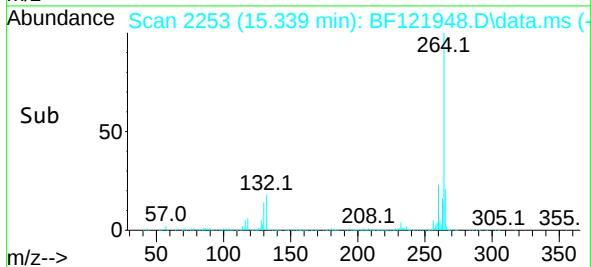
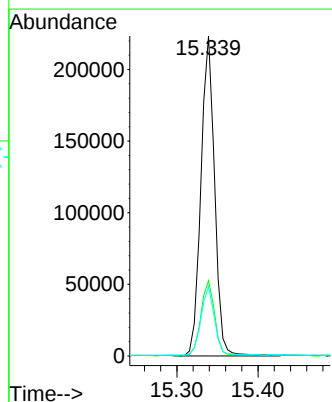
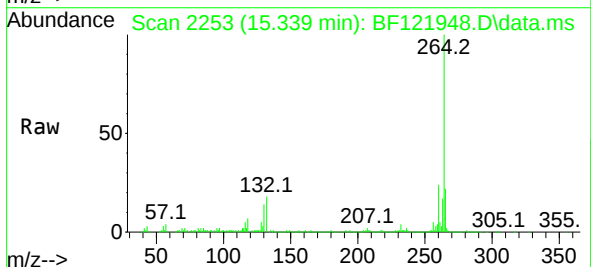
Instrument :
 BNA_F
 ClientSampleId :
 WC-HADLEY

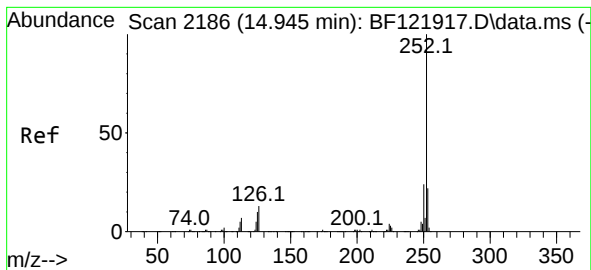
Tgt Ion:244 Resp: 145456
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.2
 122 12.8 8.1 12.1#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.339 min Scan# 2253
 Delta R.T. -0.012 min
 Lab File: BF121948.D
 Acq: 13 Oct 2020 20:21

Tgt Ion:264 Resp: 262049
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.7 28.1
 265 21.7 17.3 25.9





#88

Benzo(b)fluoranthene

Concen: 3.27 ng

RT: 14.927 min Scan# 2183

Delta R.T. -0.018 min

Lab File: BF121948.D

Acq: 13 Oct 2020 20:21

Tgt Ion:252 Resp: 57852

Ion Ratio Lower Upper

252 100

253 25.2 18.2 27.2

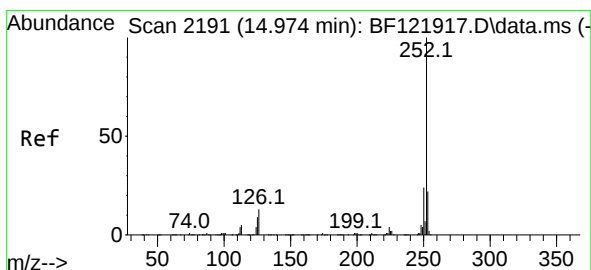
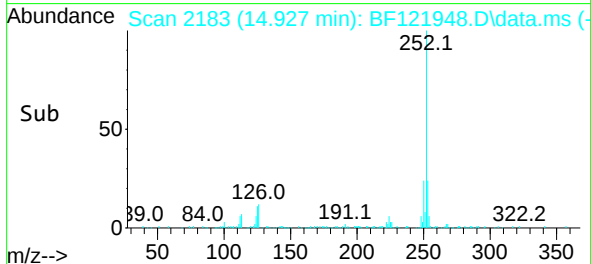
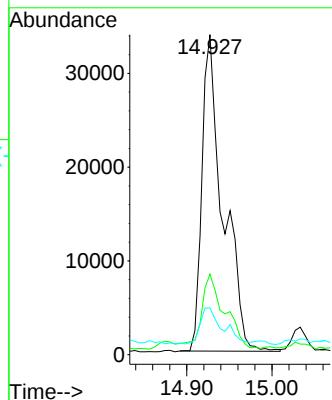
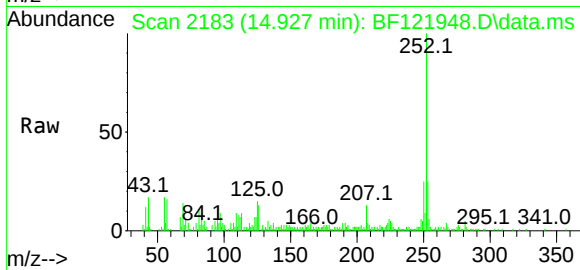
125 14.6 8.0 12.0#

Instrument :

BNA_F

ClientSampleId :

WC-HADLEY



#89

Benzo(k)fluoranthene

Concen: 3.44 ng

RT: 14.927 min Scan# 2183

Delta R.T. -0.047 min

Lab File: BF121948.D

Acq: 13 Oct 2020 20:21

Tgt Ion:252 Resp: 57852

Ion Ratio Lower Upper

252 100

253 25.2 17.8 26.6

125 14.6 7.7 11.5#

