

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101321\
 Data File : BF125834.D
 Acq On : 13 Oct 2021 19:21
 Operator : JU/CG
 Sample : M4041-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 N-1

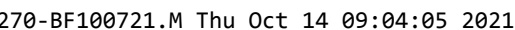
Quant Time: Oct 14 09:03:59 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 13 13:23:32 2021
 Response via : Initial Calibration

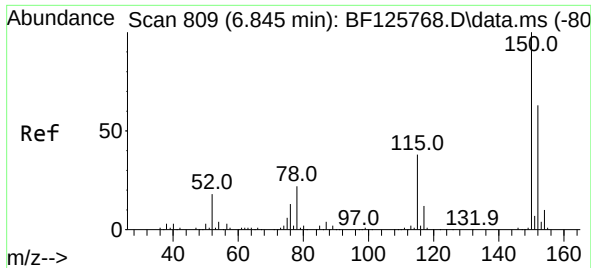
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	207161	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	749396	20.000	ng	# 0.00
39) Acenaphthene-d10	9.881	164	336064	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	490965	20.000	ng	# 0.00
76) Chrysene-d12	14.027	240	243488	20.000	ng	# 0.03
86) Perylene-d12	15.486	264	248155	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	92107	7.263	ng	-0.01
7) Phenol-d6	6.463	99	203808	12.485	ng	-0.01
23) Nitrobenzene-d5	7.398	82	141958	11.775	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	9063	2.731	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	289358	14.851	ng	0.00
79) Terphenyl-d14	12.969	244	180424	11.287	ng	0.02
Target Compounds						Qvalue
25) Isophorone	7.398	82	139962	6.553	ng	# 59
57) 2,4-Dinitrotoluene	9.881	165	45026	7.964	ng	# 20
71) Phenanthrene	11.386	178	116954	4.452	ng	# 81
74) Di-n-butylphthalate	11.933	149	68239	2.531	ng	# 68
75) Fluoranthene	12.592	202	90670	3.825	ng	72
78) Pyrene	12.822	202	76546	3.094	ng	# 71
80) Butylbenzylphthalate	13.439	149	21199	2.674	ng	# 54
83) Chrysene	14.051	228	49614	3.177	ng	# 60
84) Bis(2-ethylhexyl)phtha...	13.998	149	148715	17.237	ng	# 85
88) Benzo(b)fluoranthene	15.057	252	33449	2.387	ng	# 1
89) Benzo(k)fluoranthene	15.057	252	33449	2.325	ng	# 1

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

Quant Time: Oct 14 09:03:59 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 13 13:23:32 2021
Response via : Initial Calibration

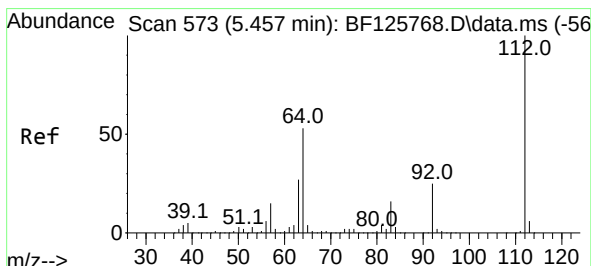
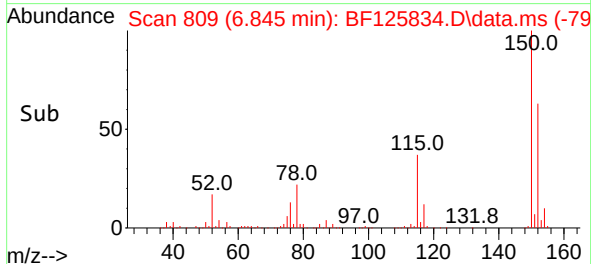
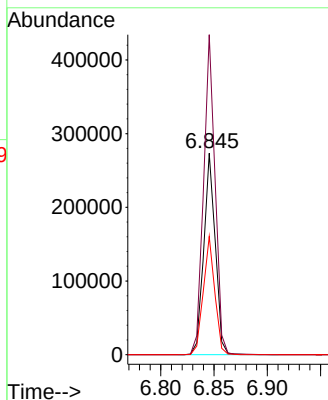
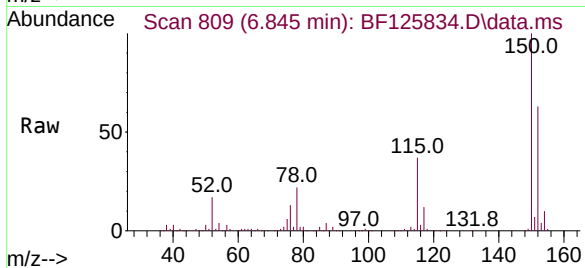




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF125834.D
Acq: 13 Oct 2021 19:21

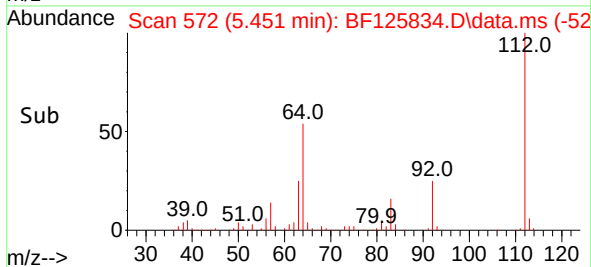
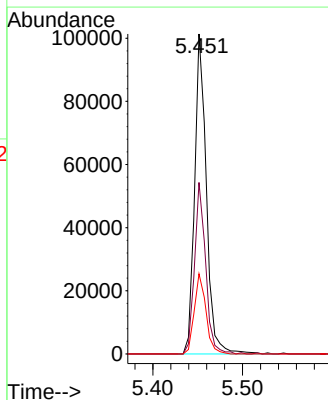
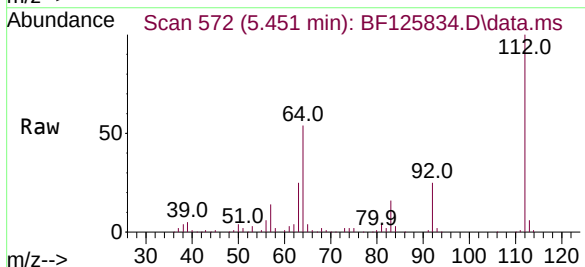
Instrument :
BNA_F
ClientSampled :
N-1

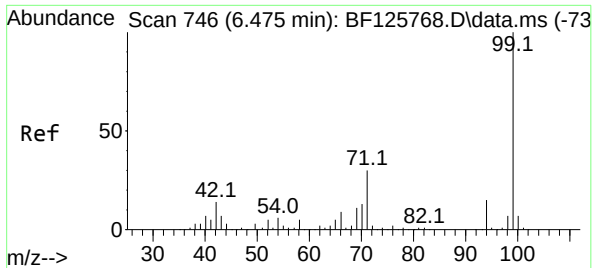
Tgt Ion:152 Resp: 207161
Ion Ratio Lower Upper
152 100
150 158.9 117.6 176.4
115 58.7 47.1 70.7



#5
2-Fluorophenol
Concen: 7.263 ng
RT: 5.451 min Scan# 572
Delta R.T. -0.012 min
Lab File: BF125834.D
Acq: 13 Oct 2021 19:21

Tgt Ion:112 Resp: 92107
Ion Ratio Lower Upper
112 100
64 53.6 44.2 66.2
63 25.1 26.2 39.2#

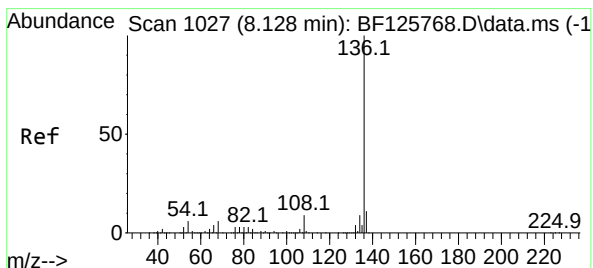
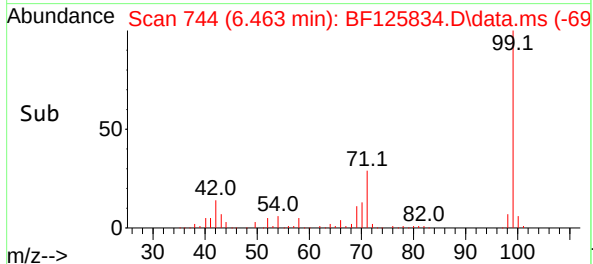
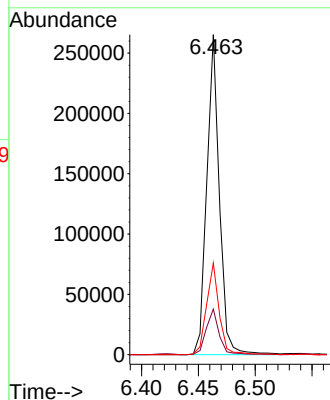
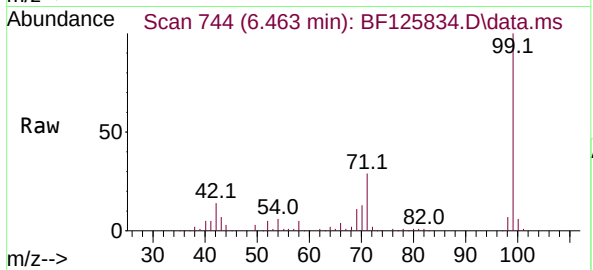




#7
Phenol-d6
Concen: 12.485 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.012 min
Lab File: BF125834.D
Acq: 13 Oct 2021 19:21

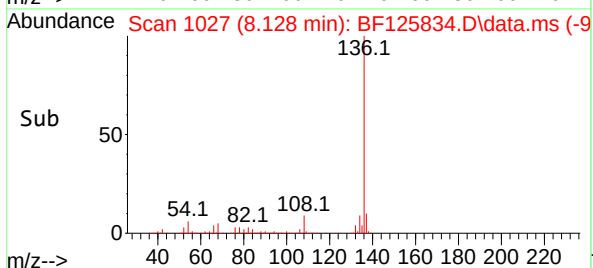
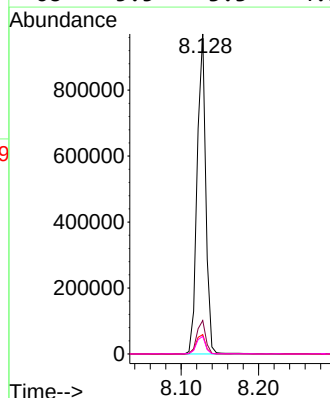
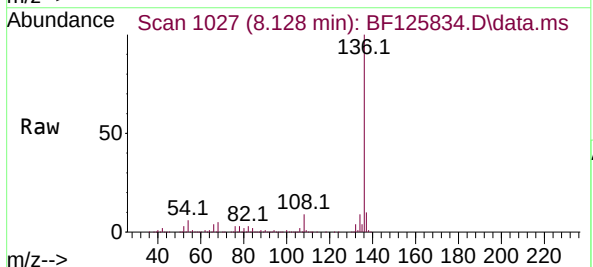
Instrument :
BNA_F
ClientSampled :
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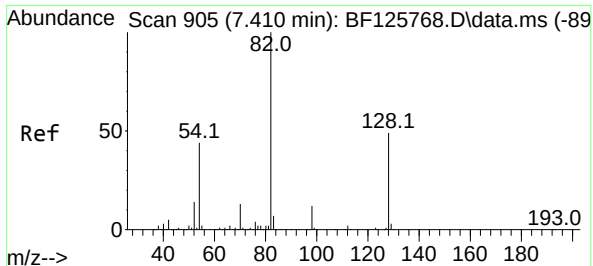
Tgt Ion: 99 Resp: 203808
Ion Ratio Lower Upper
99 100
42 14.3 23.5 35.3#
71 28.7 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF125834.D
Acq: 13 Oct 2021 19:21

Tgt Ion: 136 Resp: 749396
Ion Ratio Lower Upper
136 100
137 10.5 9.8 14.6
54 6.1 6.4 9.6#
68 5.5 3.3 4.9#





#23

Nitrobenzene-d5

Concen: 11.775 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.012 min

Lab File: BF125834.D

Acq: 13 Oct 2021 19:21

Instrument :

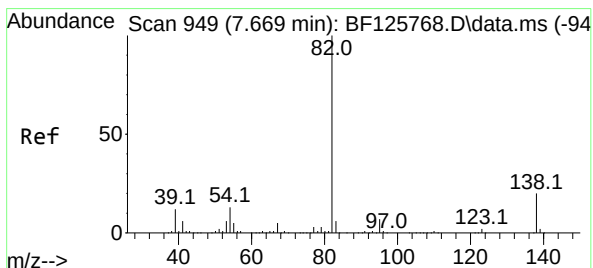
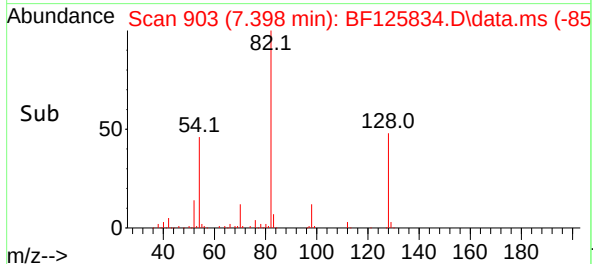
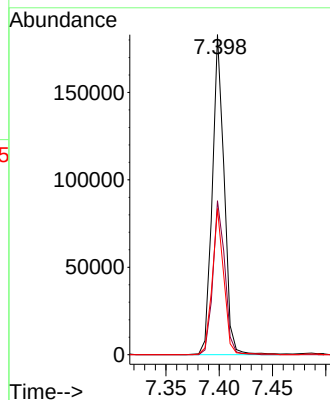
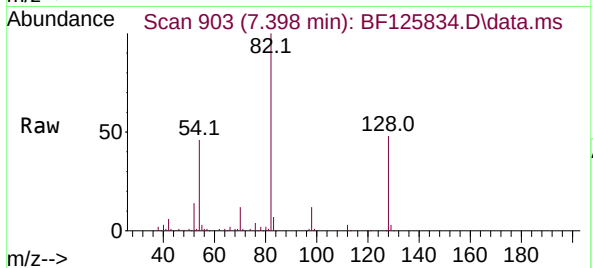
BNA_F

ClientSampled :

N-1

Tgt Ion: 82 Resp: 141958

Ion	Ratio	Lower	Upper
82	100		
128	48.1	40.6	60.8
54	45.7	49.6	74.4#



#25

Isophorone

Concen: 6.553 ng

RT: 7.398 min Scan# 903

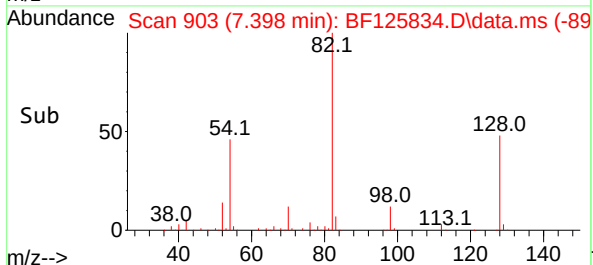
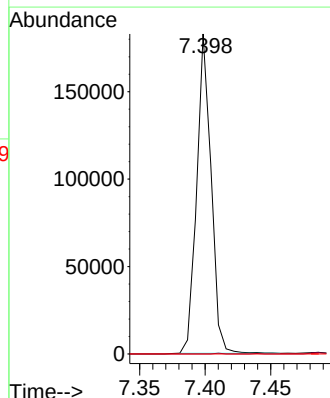
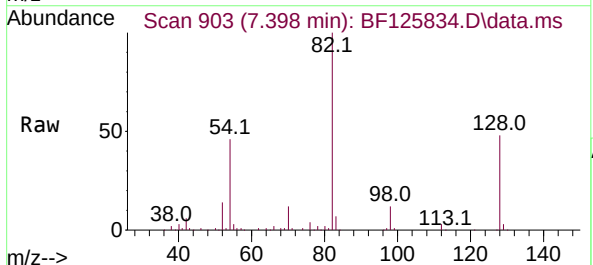
Delta R.T. -0.271 min

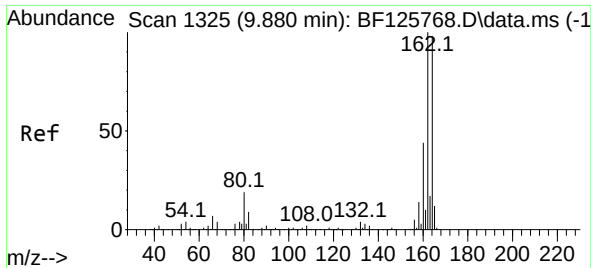
Lab File: BF125834.D

Acq: 13 Oct 2021 19:21

Tgt Ion: 82 Resp: 139962

Ion	Ratio	Lower	Upper
82	100		
95	0.0	6.5	9.7#
138	0.0	18.4	27.6#

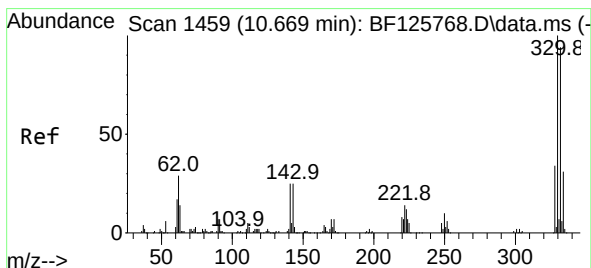
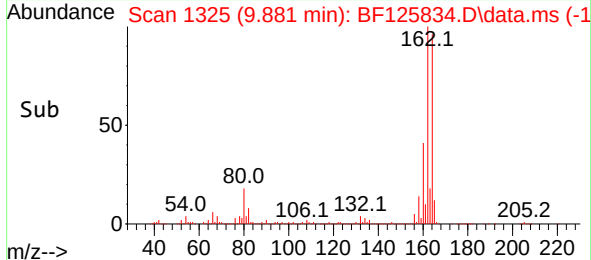
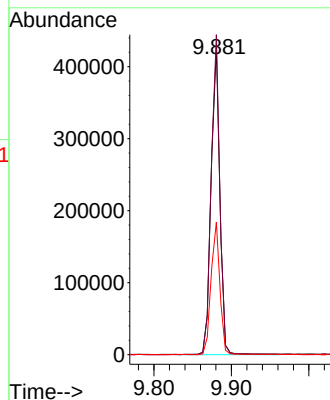
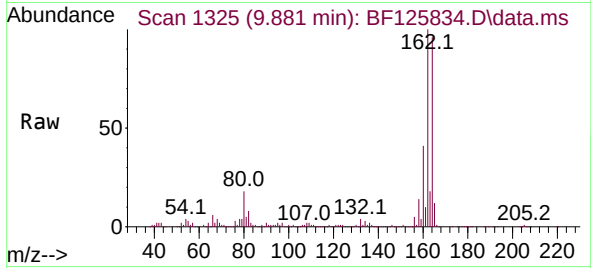




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1325
Delta R.T. 0.000 min
Lab File: BF125834.D
Acq: 13 Oct 2021 19:21

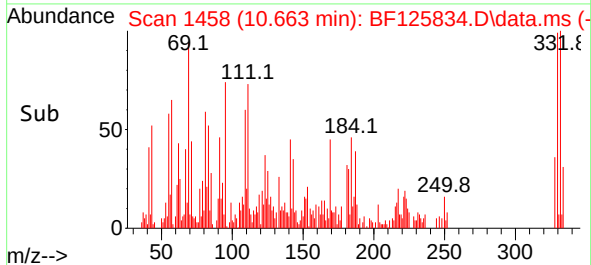
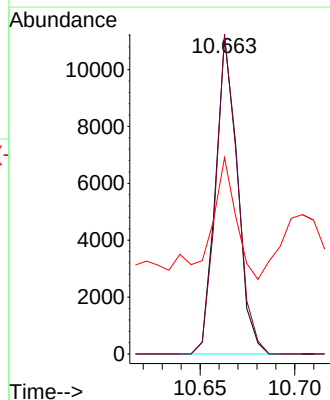
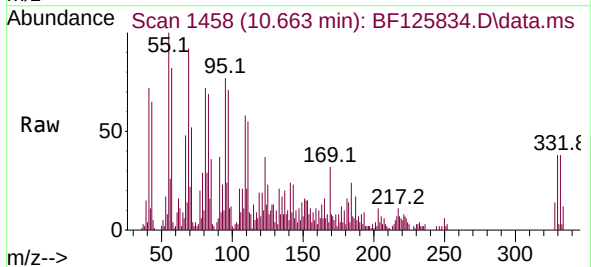
Instrument :
BNA_F
ClientSampled :
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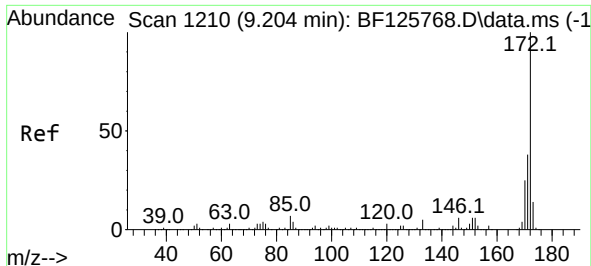
Tgt Ion:164 Resp: 336064
Ion Ratio Lower Upper
164 100
162 104.3 81.3 121.9
160 43.2 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 2.731 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.006 min
Lab File: BF125834.D
Acq: 13 Oct 2021 19:21

Tgt Ion:330 Resp: 9063
Ion Ratio Lower Upper
330 100
332 99.7 76.2 114.4
141 38.0 44.6 66.8#

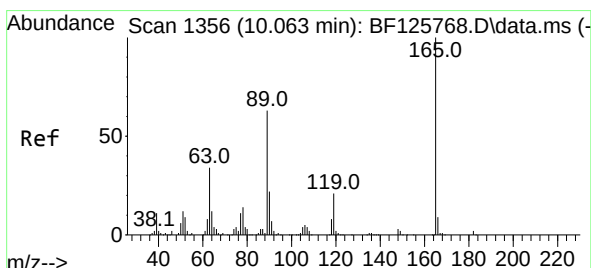
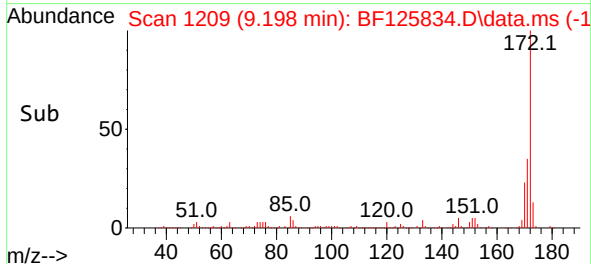
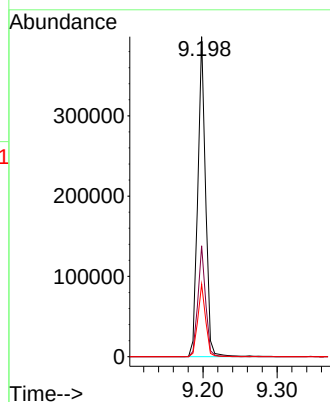
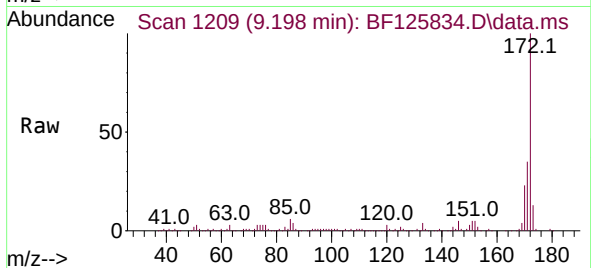




#45
2-Fluorobiphenyl
Concen: 14.851 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF125834.D
Acq: 13 Oct 2021 19:21

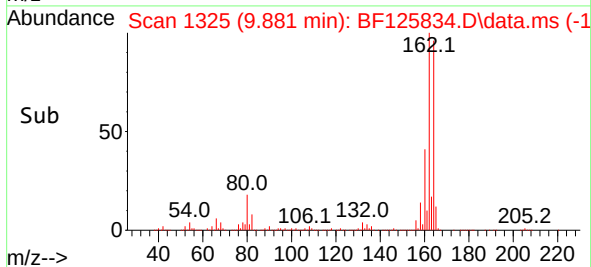
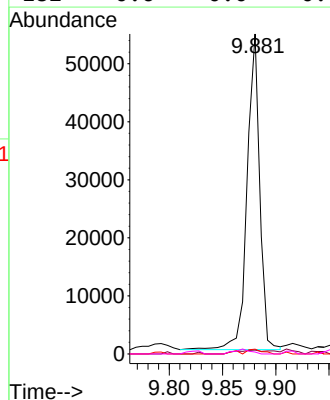
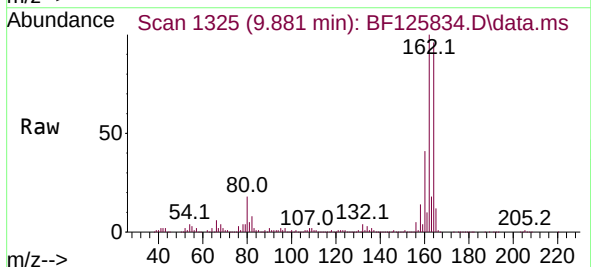
Instrument :
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ClientSampled :
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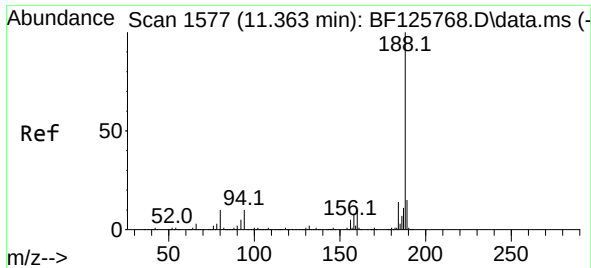
Tgt Ion:172 Resp: 289358
Ion Ratio Lower Upper
172 100
171 34.7 26.5 39.7
170 22.6 18.8 28.2



#57
2,4-Dinitrotoluene
Concen: 7.964 ng
RT: 9.881 min Scan# 1325
Delta R.T. -0.182 min
Lab File: BF125834.D
Acq: 13 Oct 2021 19:21

Tgt Ion:165 Resp: 45026
Ion Ratio Lower Upper
165 100
63 1.2 40.9 61.3#
89 1.5 59.7 89.5#
182 0.6 0.0 0.0#

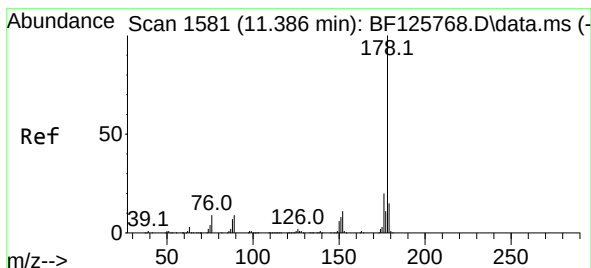
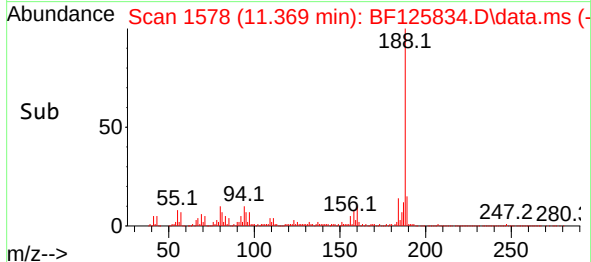
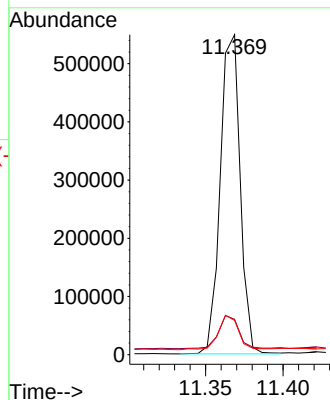
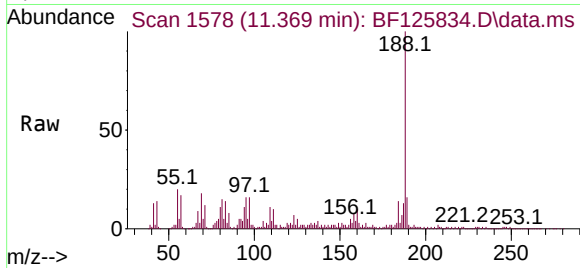




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1578
Delta R.T. 0.006 min
Lab File: BF125834.D
Acq: 13 Oct 2021 19:21

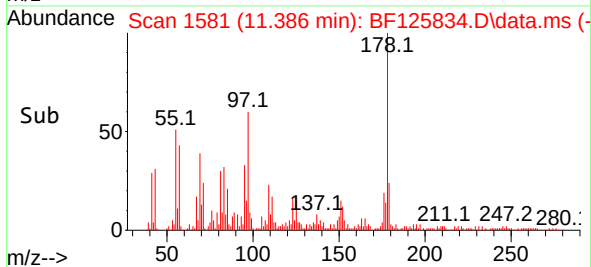
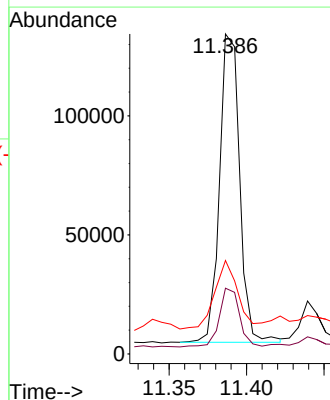
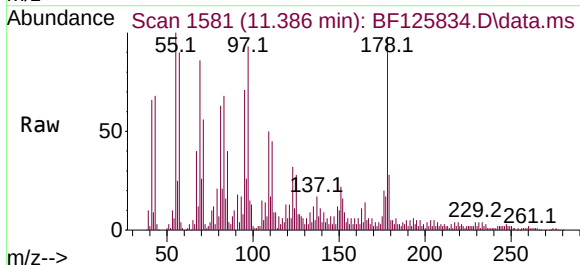
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ClientSampled :
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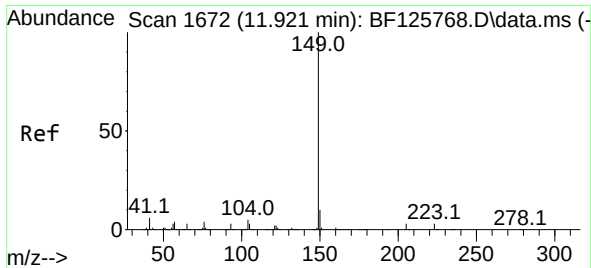
Tgt Ion:188 Resp: 490965
Ion Ratio Lower Upper
188 100
94 11.1 6.7 10.1#
80 10.7 7.5 11.3



#71
Phenanthrene
Concen: 4.452 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF125834.D
Acq: 13 Oct 2021 19:21

Tgt Ion:178 Resp: 116954
Ion Ratio Lower Upper
178 100
176 20.5 14.7 22.1
179 29.2 11.5 17.3#

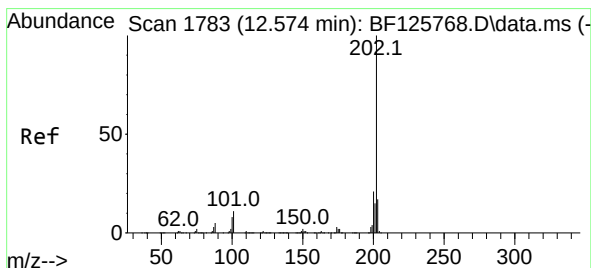
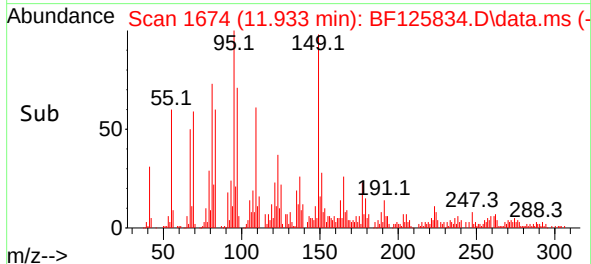
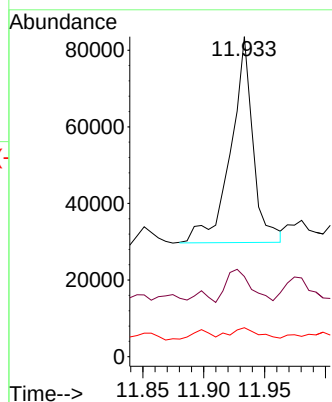
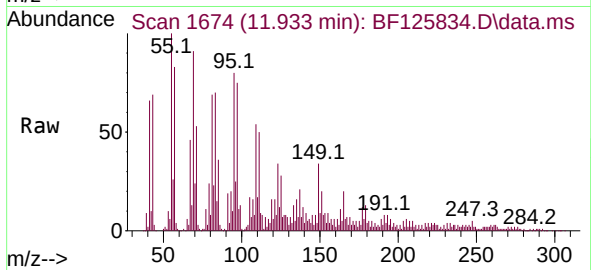




#74
Di-n-butylphthalate
Concen: 2.531 ng
RT: 11.933 min Scan# 1674
Delta R.T. 0.006 min
Lab File: BF125834.D
Acq: 13 Oct 2021 19:21

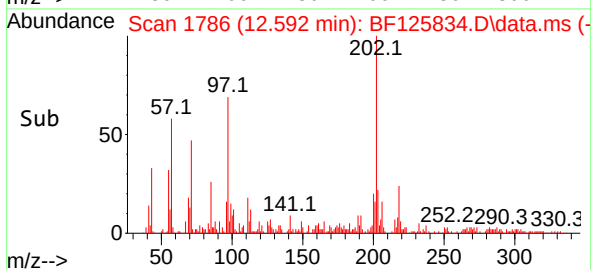
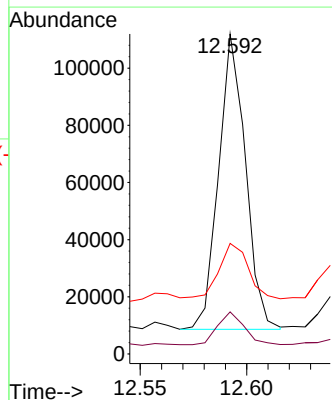
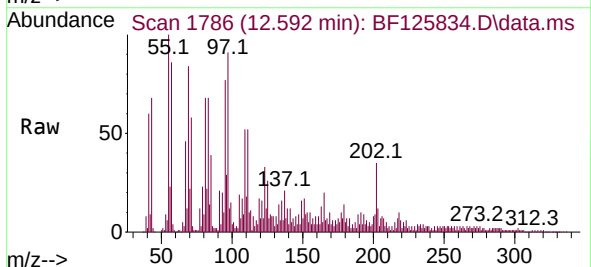
Instrument :
BNA_F
ClientSampled :
N-1

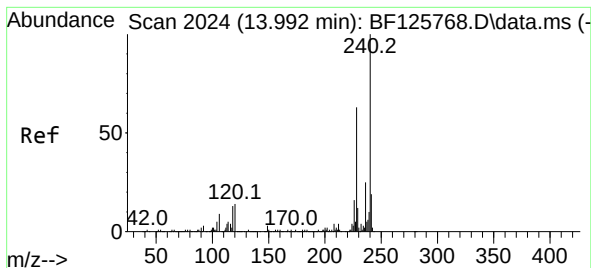
Tgt Ion:149 Resp: 68239
Ion Ratio Lower Upper
149 100
150 25.1 7.4 11.2#
104 9.1 4.1 6.1#



#75
Fluoranthene
Concen: 3.825 ng
RT: 12.592 min Scan# 1786
Delta R.T. 0.018 min
Lab File: BF125834.D
Acq: 13 Oct 2021 19:21

Tgt Ion:202 Resp: 90670
Ion Ratio Lower Upper
202 100
101 13.2 0.0 30.7
203 34.6 0.0 36.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2030

Delta R.T. 0.029 min

Lab File: BF125834.D

Acq: 13 Oct 2021 19:21

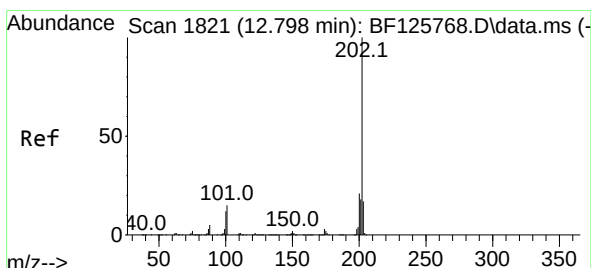
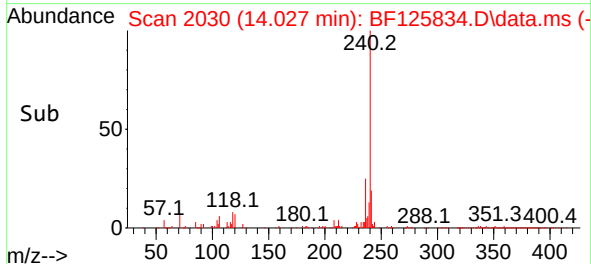
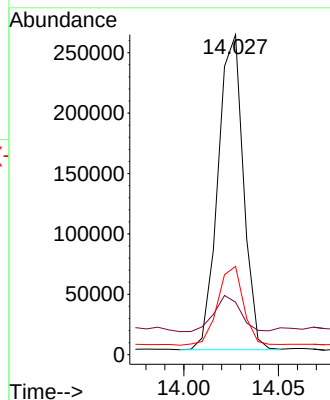
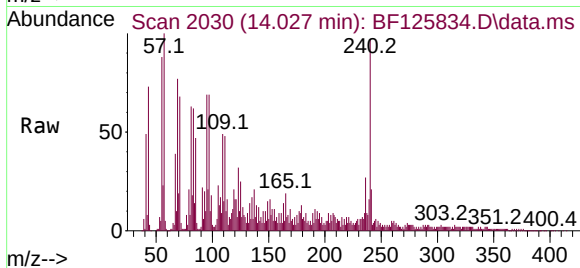
Tgt Ion:	240	Resp:	243488
Ion Ratio	Lower	Upper	
240	100		
120	16.4	10.8	16.2#
236	27.6	21.6	32.4

Instrument :

BNA_F

ClientSampled :

N-1



#78

Pyrene

Concen: 3.094 ng

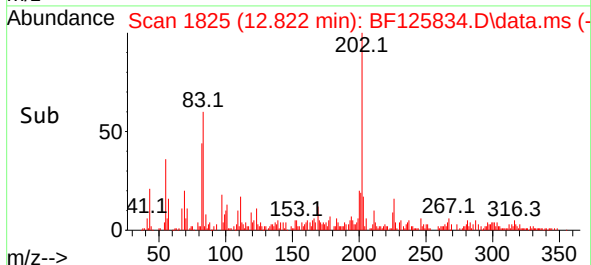
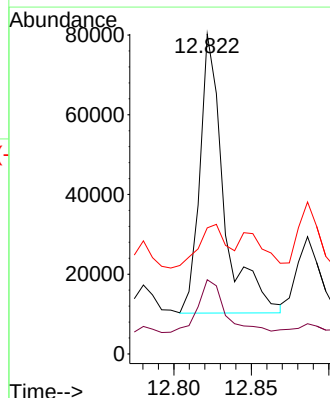
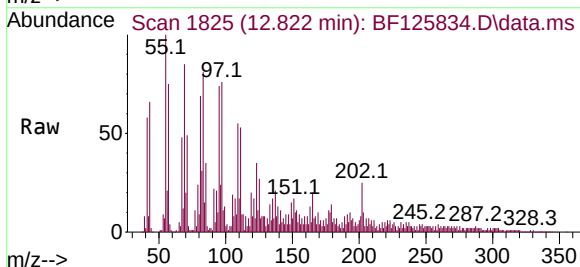
RT: 12.822 min Scan# 1825

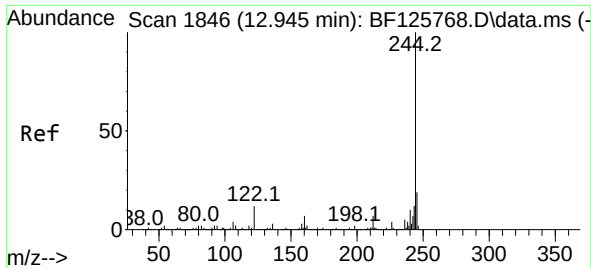
Delta R.T. 0.018 min

Lab File: BF125834.D

Acq: 13 Oct 2021 19:21

Tgt Ion:	202	Resp:	76546
Ion Ratio	Lower	Upper	
202	100		
200	23.2	15.3	22.9#
203	39.4	13.4	20.0#

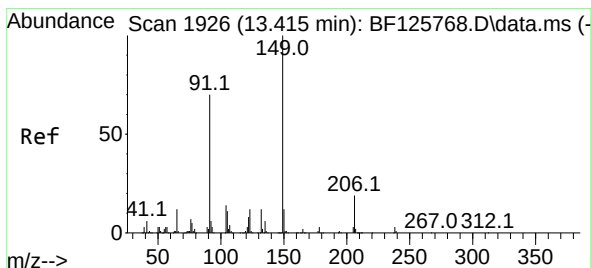
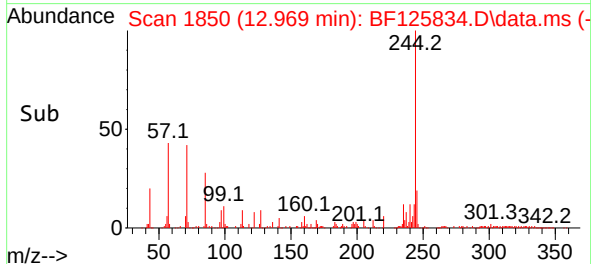
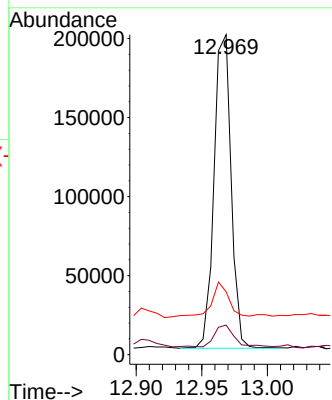
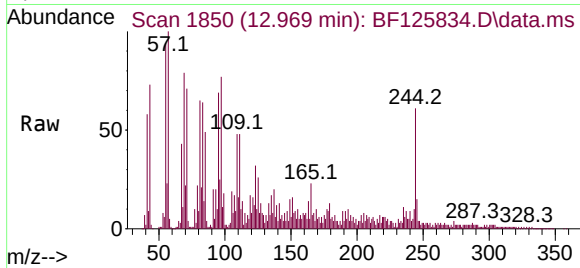




#79
Terphenyl-d14
Concen: 11.287 ng
RT: 12.969 min Scan# 1850
Delta R.T. 0.024 min
Lab File: BF125834.D
Acq: 13 Oct 2021 19:21

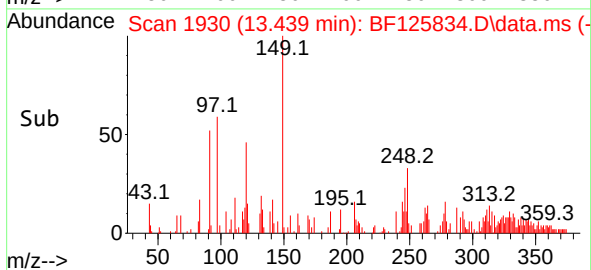
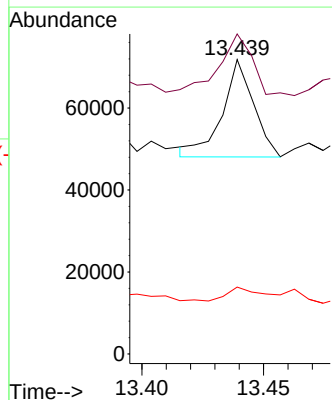
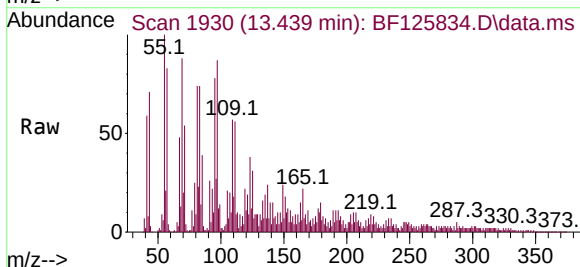
Instrument :
BNA_F
ClientSampled :
N-1

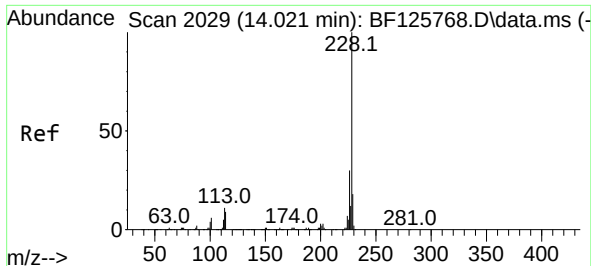
Tgt Ion:244 Resp: 180424
Ion Ratio Lower Upper
244 100
212 9.2 5.9 8.9#
122 19.7 9.0 13.4#



#80
Butylbenzylphthalate
Concen: 2.674 ng
RT: 13.439 min Scan# 1930
Delta R.T. 0.018 min
Lab File: BF125834.D
Acq: 13 Oct 2021 19:21

Tgt Ion:149 Resp: 21199
Ion Ratio Lower Upper
149 100
91 108.7 51.8 77.8#
206 22.7 14.5 21.7#

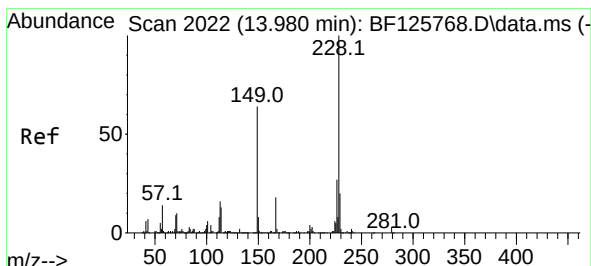
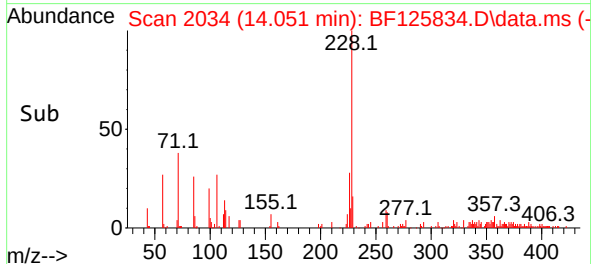
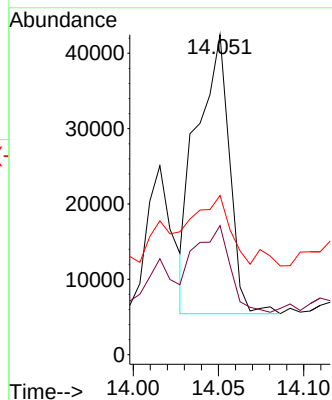
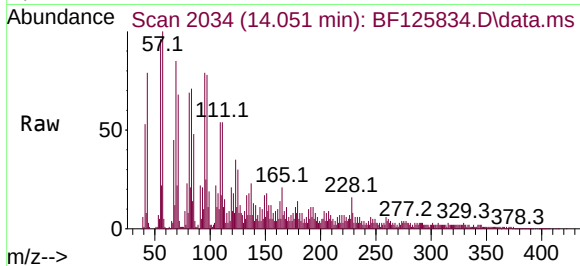




#83
Chrysene
Concen: 3.177 ng
RT: 14.051 min Scan# 2034
Delta R.T. 0.024 min
Lab File: BF125834.D
Acq: 13 Oct 2021 19:21

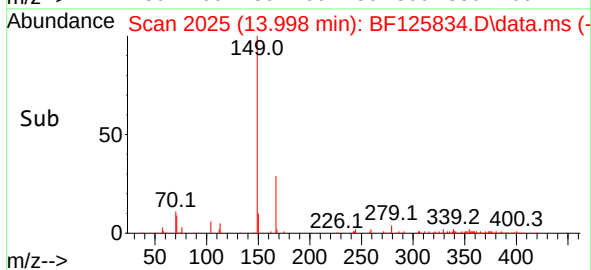
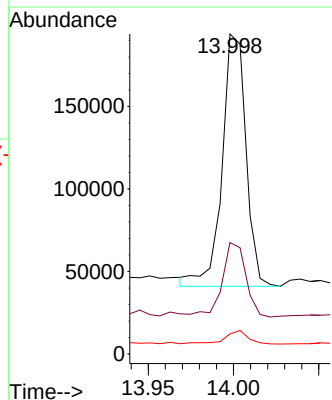
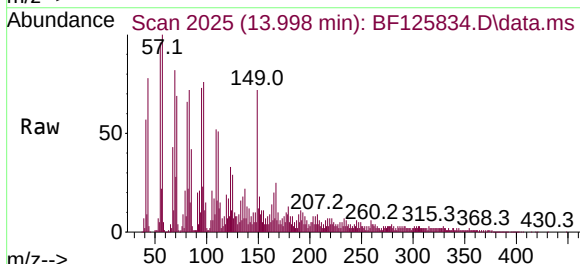
Instrument :
BNA_F
ClientSampled :
N-1

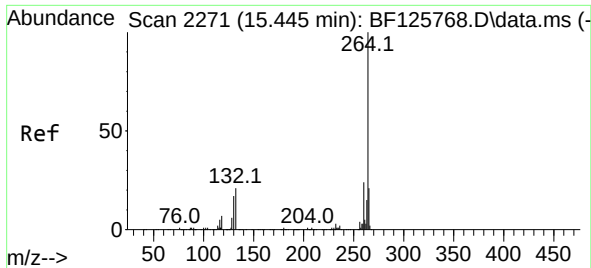
Tgt Ion:228 Resp: 49614
Ion Ratio Lower Upper
228 100
226 40.3 22.6 34.0#
229 49.7 15.9 23.9#



#84
Bis(2-ethylhexyl)phthalate
Concen: 17.237 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.018 min
Lab File: BF125834.D
Acq: 13 Oct 2021 19:21

Tgt Ion:149 Resp: 148715
Ion Ratio Lower Upper
149 100
167 34.8 21.4 32.0#
279 6.2 2.6 4.0#

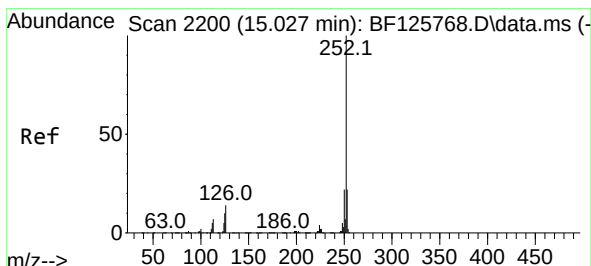
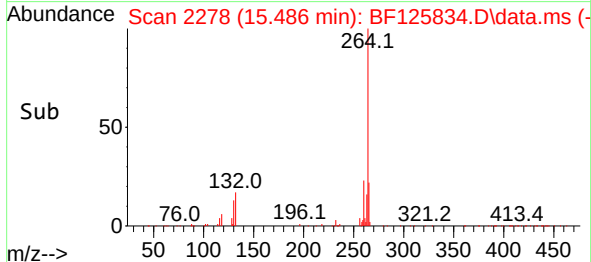
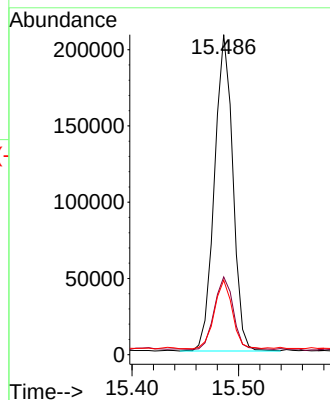
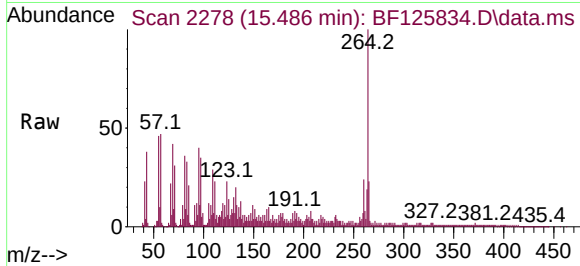




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.486 min Scan# 2278
Delta R.T. 0.035 min
Lab File: BF125834.D
Acq: 13 Oct 2021 19:21

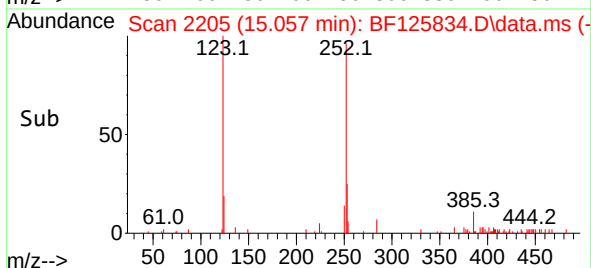
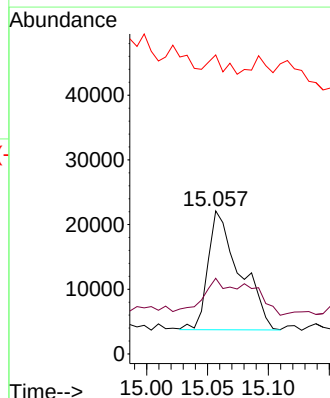
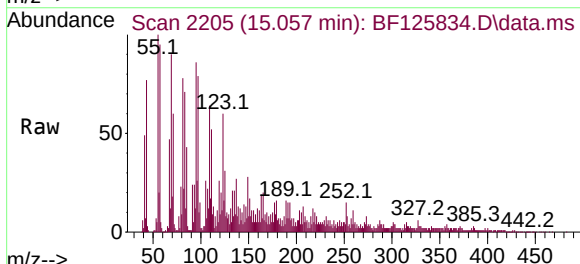
Instrument :
BNA_F
ClientSampled :
N-1

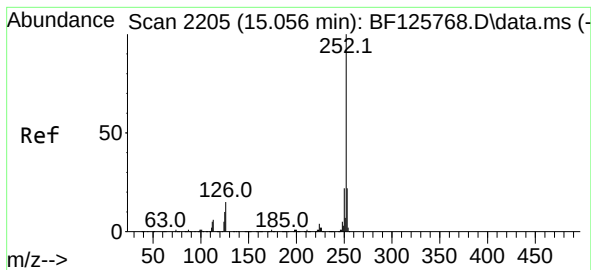
Tgt Ion:264	Resp:	248155
Ion Ratio	Lower	Upper
264	100	
260	24.3	19.6 29.4
265	23.3	17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 2.387 ng
RT: 15.057 min Scan# 2205
Delta R.T. 0.029 min
Lab File: BF125834.D
Acq: 13 Oct 2021 19:21

Tgt Ion:252	Resp:	33449
Ion Ratio	Lower	Upper
252	100	
253	52.9	16.8 25.2#
125	209.0	9.8 14.8#





#89
Benzo(k)fluoranthene
Concen: 2.325 ng
RT: 15.057 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BF125834.D
Acq: 13 Oct 2021 19:21

Instrument :
BNA_F
ClientSampleId :
N-1

Tgt Ion:252 Resp: 33449
Ion Ratio Lower Upper
252 100
253 52.9 17.8 26.8#
125 209.0 7.2 10.8#

