

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
 Data File : BF125991.D
 Acq On : 28 Oct 2021 16:21
 Operator : JU/CG
 Sample : M4388-01 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-12002

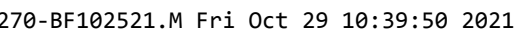
Quant Time: Oct 29 10:39:38 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 28 12:01:54 2021
 Response via : Initial Calibration

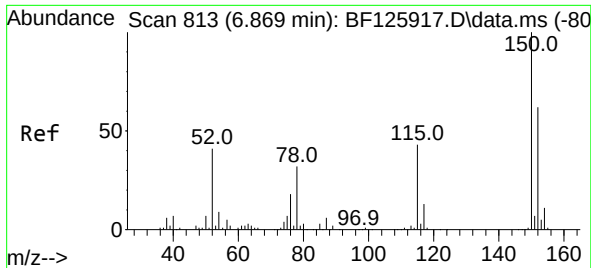
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	182016	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	688180	20.000	ng	# 0.00
39) Acenaphthene-d10	9.892	164	347941	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	571081	20.000	ng	0.00
76) Chrysene-d12	14.021	240	364633	20.000	ng	0.00
86) Perylene-d12	15.486	264	281909	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	294001	24.060	ng	-0.01
7) Phenol-d6	6.475	99	374836	22.364	ng	-0.01
23) Nitrobenzene-d5	7.416	82	215573	16.181	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	66137	21.805	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	386973	19.668	ng	0.00
79) Terphenyl-d14	12.963	244	364790	16.364	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	28398	2.966	ng	# 62
25) Isophorone	7.416	82	215571	8.496	ng	# 59
32) Benzoic acid	7.834	122	1036	4.301	ng	85
52) Acenaphthene	9.928	154	56859	3.014	ng	97
54) 2,4-Dinitrophenol	10.216	184	174	7.211	ng	# 14
58) Fluorene	10.439	166	56657	Below Cal		97
65) 4,6-Dinitro-2-methylph...	10.469	198	109	6.103	ng	# 1
71) Phenanthrene	11.404	178	1350866	45.587	ng	97
72) Anthracene	11.457	178	201805	6.821	ng	99
73) Carbazole	11.604	167	145757	5.182	ng	99
75) Fluoranthene	12.604	202	2357530	78.920	ng	98
78) Pyrene	12.827	202	2102591	61.963	ng	95
81) Benzo(a)anthracene	14.010	228	846255	34.483	ng	96
83) Chrysene	14.051	228	930403	37.470	ng	98
84) Bis(2-ethylhexyl)phtha...	14.004	149	43217	3.614	ng	# 99
87) Indeno(1,2,3-cd)pyrene	16.786	276	67623	3.330	ng	93
88) Benzo(b)fluoranthene	15.063	252	1256512	67.526	ng	97
89) Benzo(k)fluoranthene	15.063	252	1256512	70.300	ng	98
90) Benzo(a)pyrene	15.427	252	574702	38.258	ng	98
91) Dibenzo(a,h)anthracene	16.956	278	88853	5.400	ng	91
92) Benzo(g,h,i)perylene	17.392	276	366406	21.315	ng	# 89

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

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QLast Update : Thu Oct 28 12:01:54 2021
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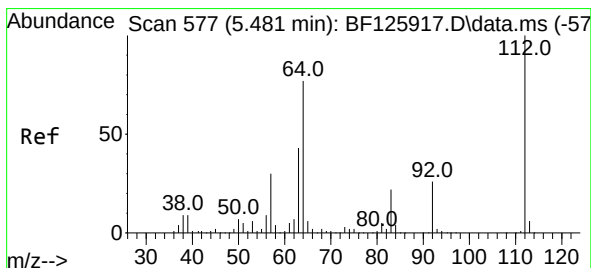
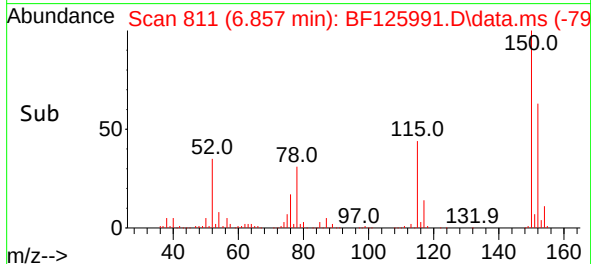
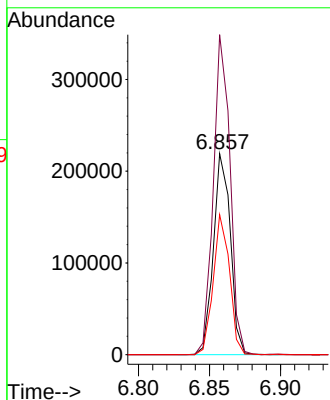
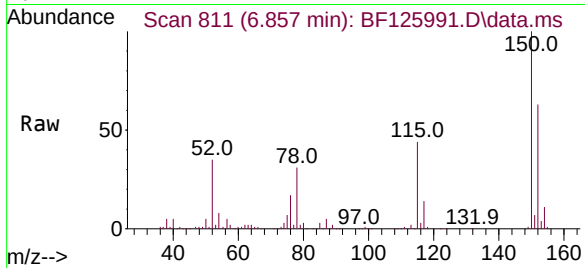




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF125991.D
Acq: 28 Oct 2021 16:21

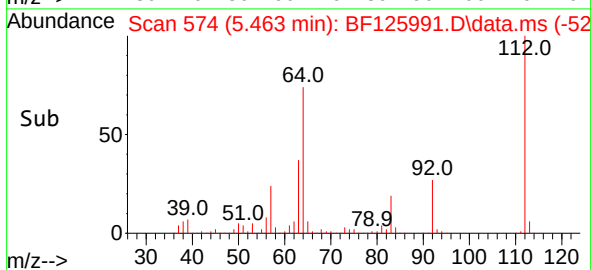
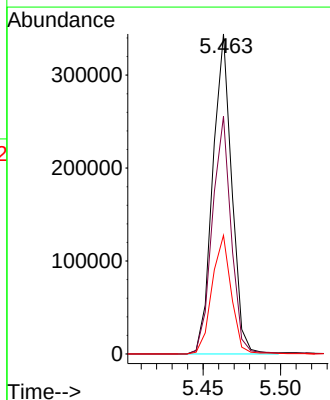
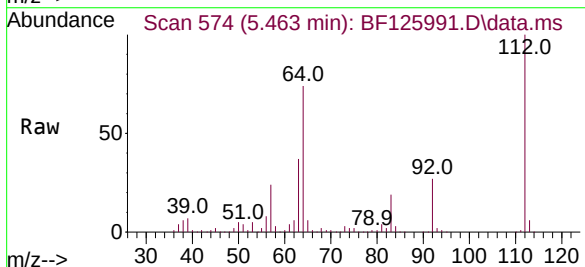
Instrument :
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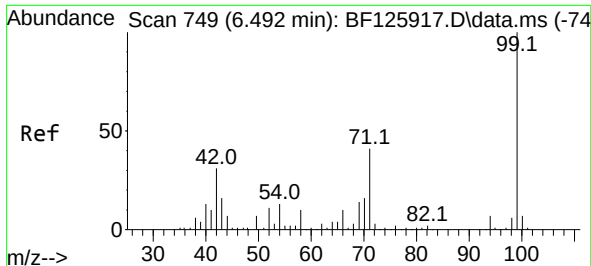
Tgt Ion:152 Resp: 182016
Ion Ratio Lower Upper
152 100
150 159.2 117.6 176.4
115 69.7 47.1 70.7



#5
2-Fluorophenol
Concen: 24.060 ng
RT: 5.463 min Scan# 574
Delta R.T. -0.012 min
Lab File: BF125991.D
Acq: 28 Oct 2021 16:21

Tgt Ion:112 Resp: 294001
Ion Ratio Lower Upper
112 100
64 74.3 44.2 66.2#
63 37.0 26.2 39.2

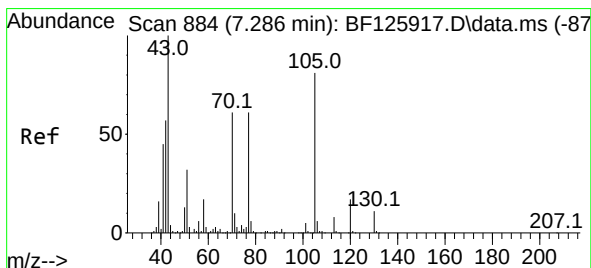
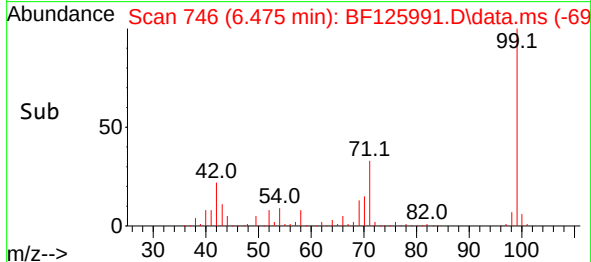
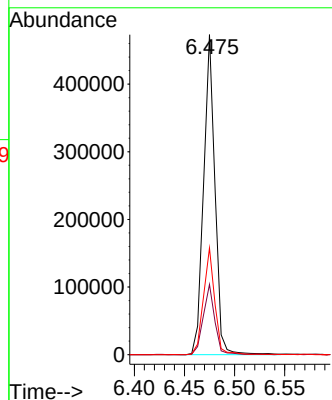
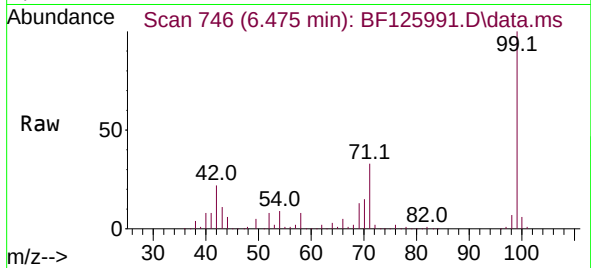




#7
Phenol-d6
Concen: 22.364 ng
RT: 6.475 min Scan# 746
Delta R.T. -0.012 min
Lab File: BF125991.D
Acq: 28 Oct 2021 16:21

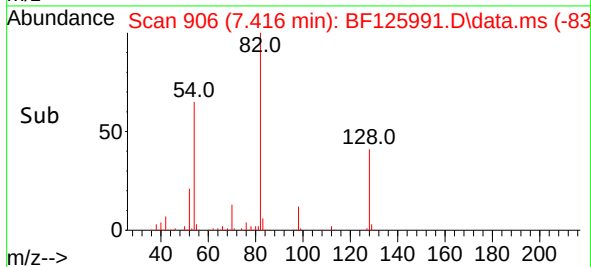
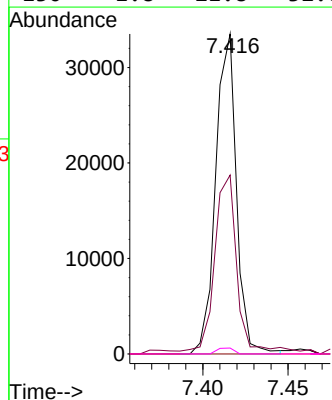
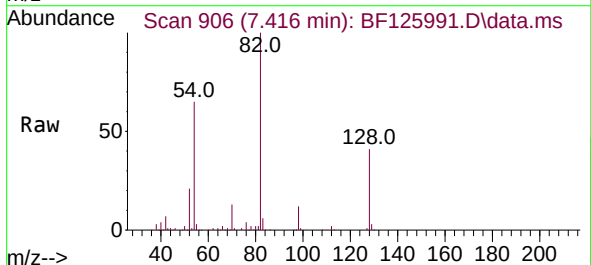
Instrument :
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ClientSampleId :
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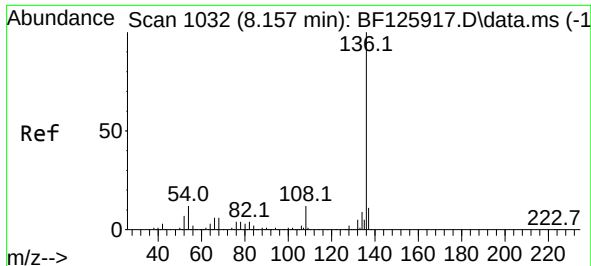
Tgt Ion: 99 Resp: 374836
Ion Ratio Lower Upper
99 100
42 22.0 23.5 35.3#
71 33.4 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 2.966 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.135 min
Lab File: BF125991.D
Acq: 28 Oct 2021 16:21

Tgt Ion: 70 Resp: 28398
Ion Ratio Lower Upper
70 100
42 55.9 72.2 108.2#
101 0.0 7.8 11.8#
130 1.8 21.8 32.6#

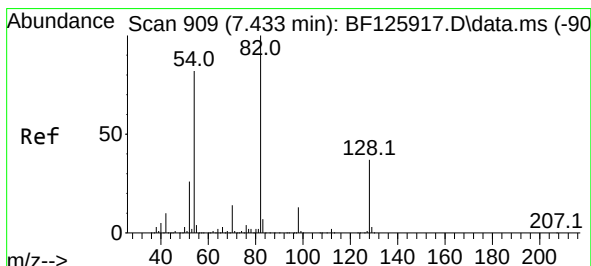
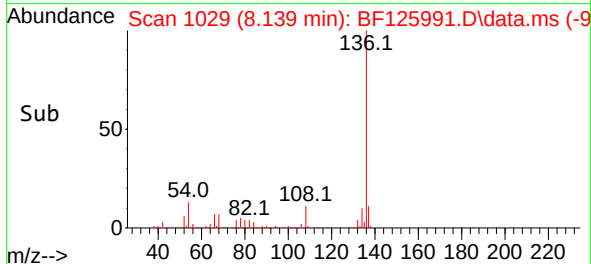
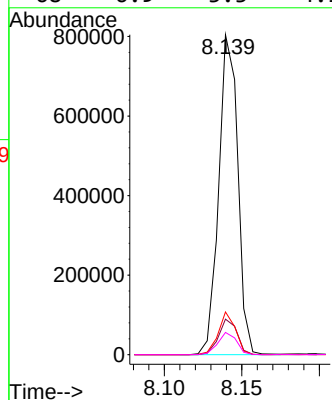
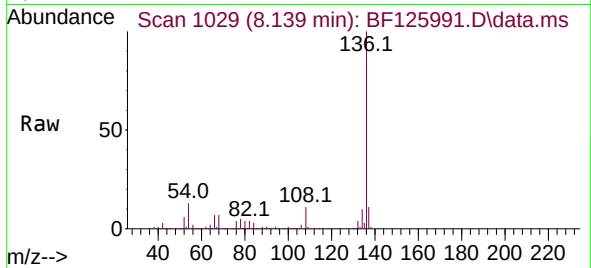




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF125991.D
Acq: 28 Oct 2021 16:21

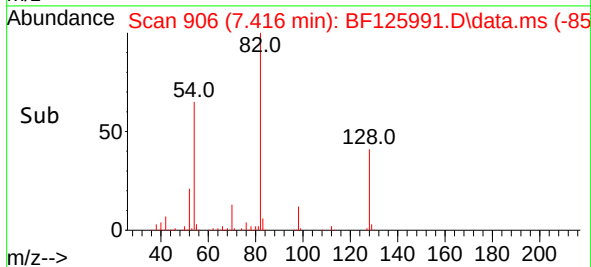
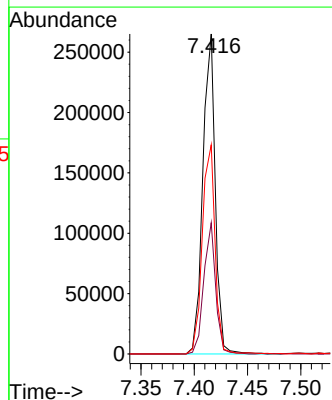
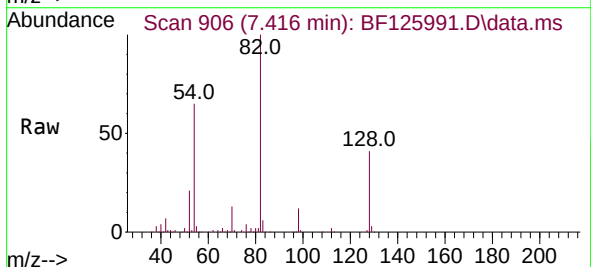
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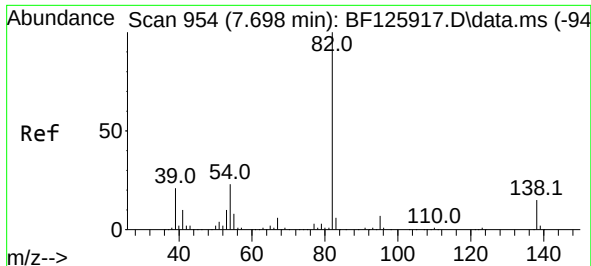
Tgt Ion:136	Resp: 688180
Ion Ratio	Lower Upper
136	100
137	11.1 9.8 14.6
54	13.3 6.4 9.6#
68	6.9 3.3 4.9#



#23
Nitrobenzene-d5
Concen: 16.181 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF125991.D
Acq: 28 Oct 2021 16:21

Tgt Ion: 82	Resp: 215573
Ion Ratio	Lower Upper
82	100
128	41.0 40.6 60.8
54	65.3 49.6 74.4

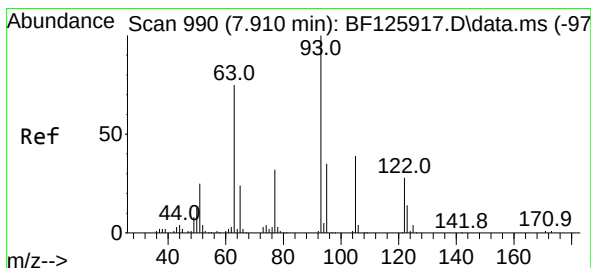
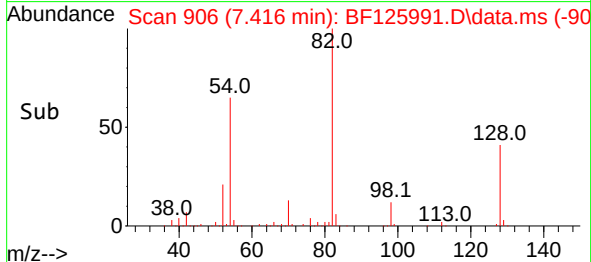
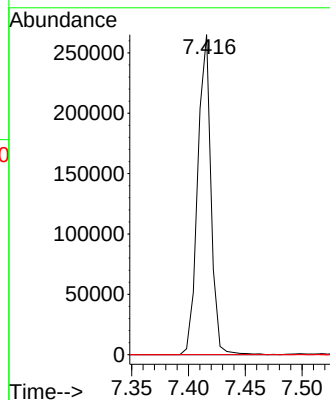
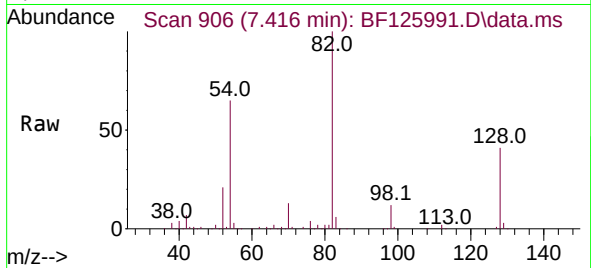




#25
Isophorone
Concen: 8.496 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.271 min
Lab File: BF125991.D
Acq: 28 Oct 2021 16:21

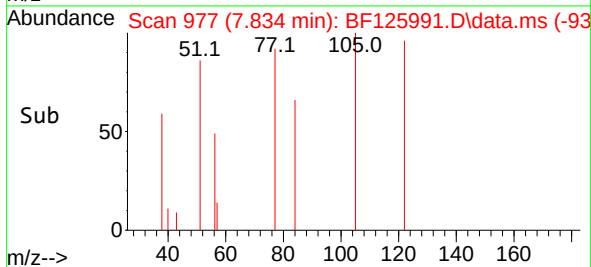
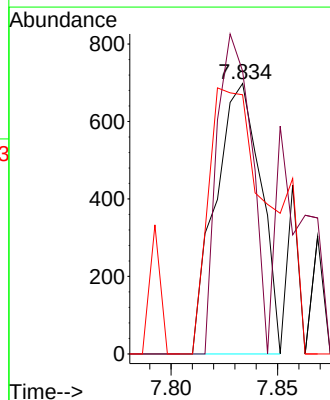
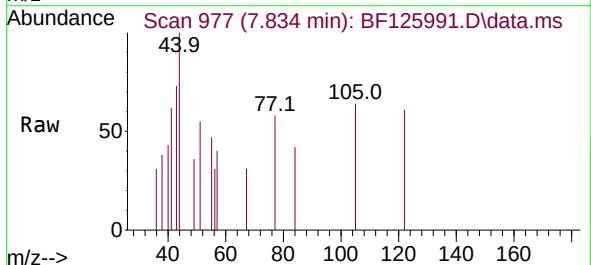
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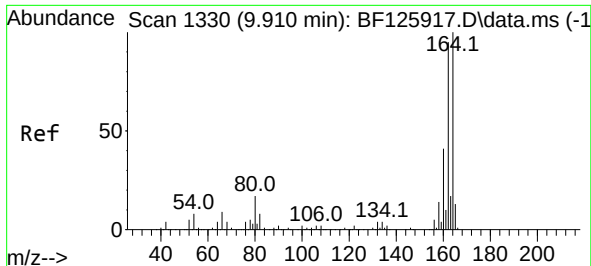
Tgt Ion: 82 Resp: 215571
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#32
Benzoic acid
Concen: 4.301 ng
RT: 7.834 min Scan# 977
Delta R.T. -0.076 min
Lab File: BF125991.D
Acq: 28 Oct 2021 16:21

Tgt Ion: 122 Resp: 1036
Ion Ratio Lower Upper
122 100
105 104.6 97.6 137.6
77 95.8 59.6 99.6

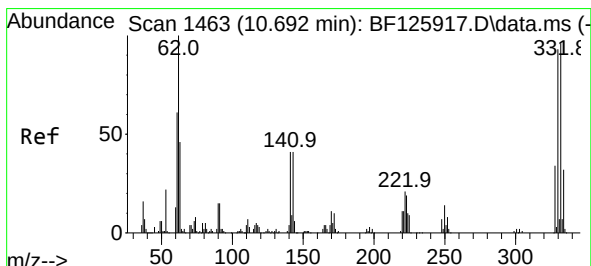
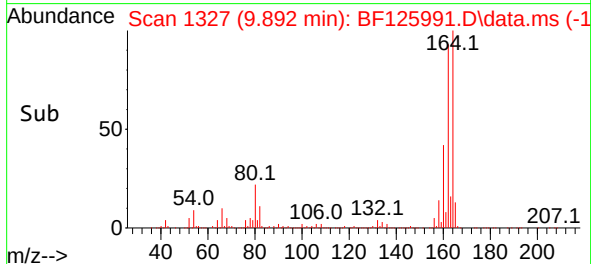
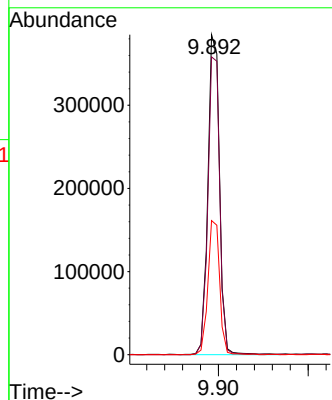
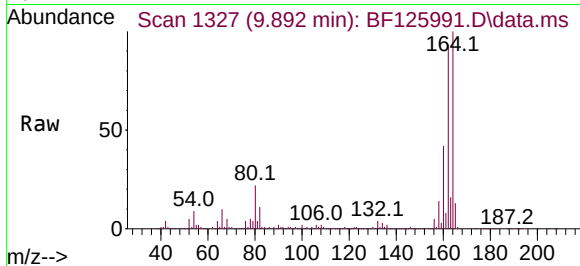




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF125991.D
Acq: 28 Oct 2021 16:21

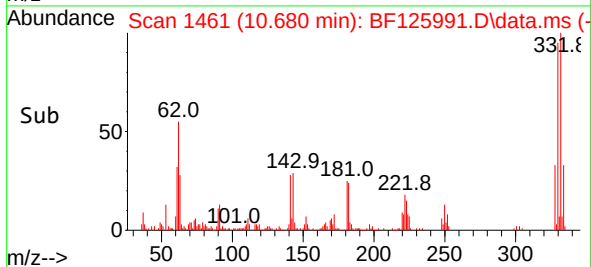
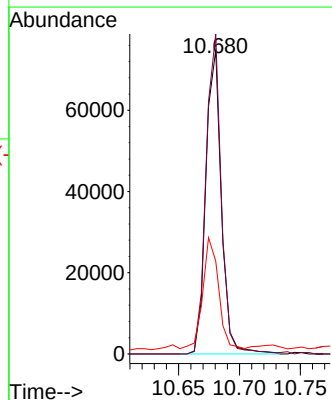
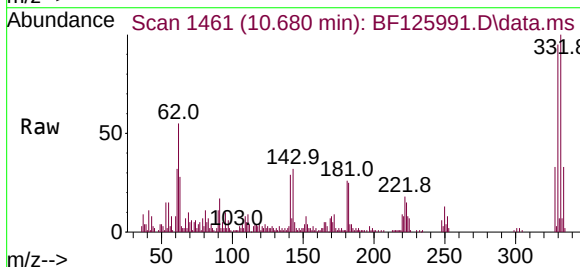
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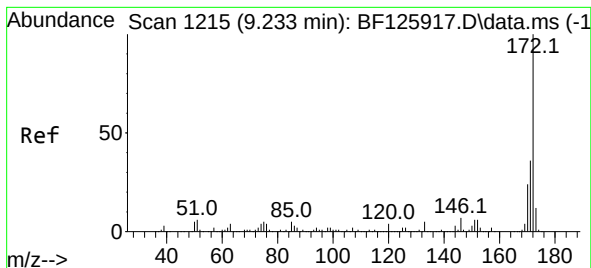
Tgt Ion:164 Resp: 347941
Ion Ratio Lower Upper
164 100
162 93.0 81.3 121.9
160 41.9 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 21.805 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF125991.D
Acq: 28 Oct 2021 16:21

Tgt Ion:330 Resp: 66137
Ion Ratio Lower Upper
330 100
332 104.3 76.2 114.4
141 37.4 44.6 66.8#

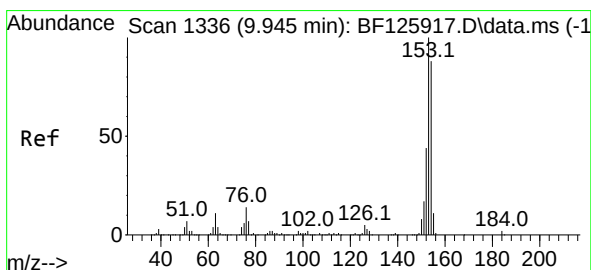
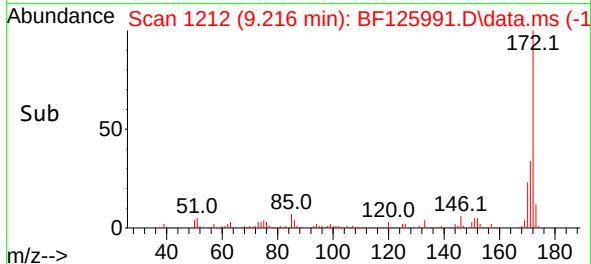
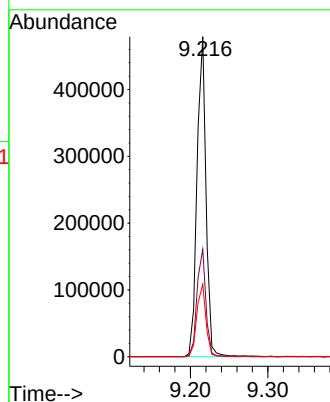
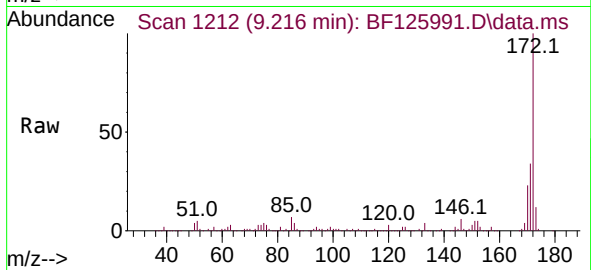




#45
2-Fluorobiphenyl
Concen: 19.668 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF125991.D
Acq: 28 Oct 2021 16:21

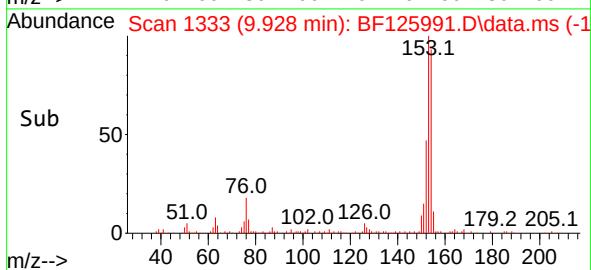
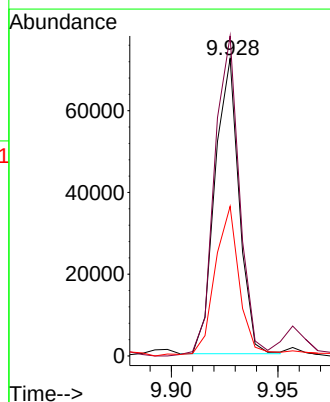
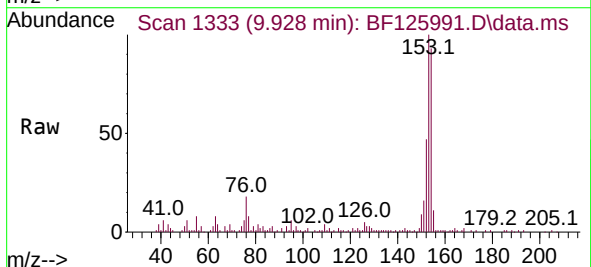
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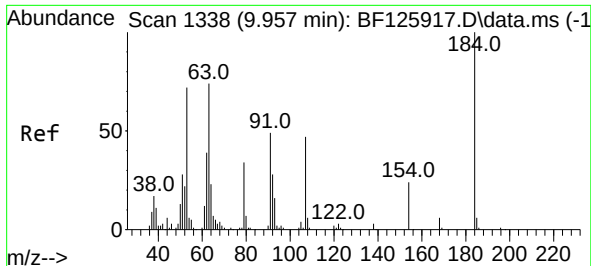
Tgt Ion:172 Resp: 386973
Ion Ratio Lower Upper
172 100
171 33.5 26.5 39.7
170 22.6 18.8 28.2



#52
Acenaphthene
Concen: 3.014 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF125991.D
Acq: 28 Oct 2021 16:21

Tgt Ion:154 Resp: 56859
Ion Ratio Lower Upper
154 100
153 107.5 89.4 134.2
152 50.3 40.5 60.7

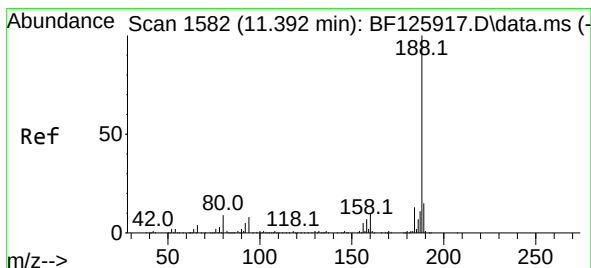
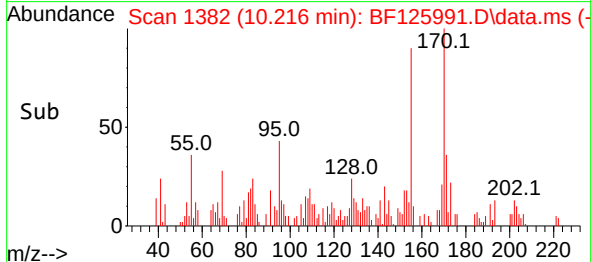
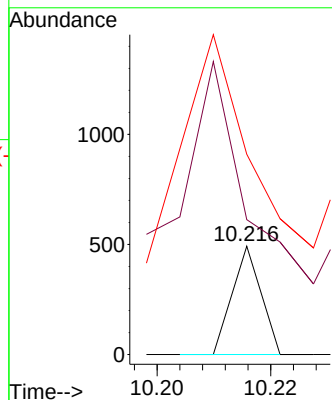
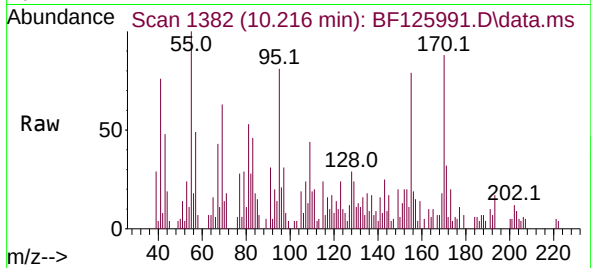




#54
2,4-Dinitrophenol
Concen: 7.211 ng
RT: 10.216 min Scan# 1382
Delta R.T. 0.265 min
Lab File: BF125991.D
Acq: 28 Oct 2021 16:21

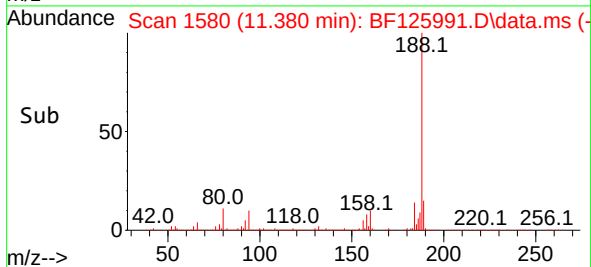
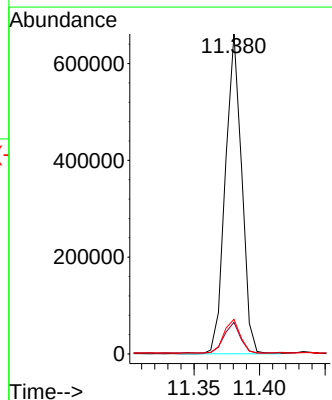
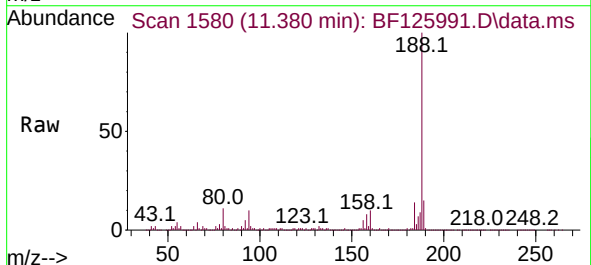
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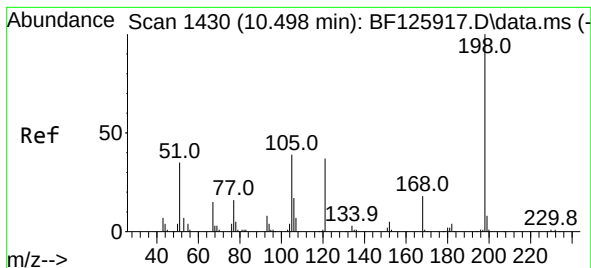
Tgt Ion:184 Resp: 174
Ion Ratio Lower Upper
184 100
63 124.6 59.3 88.9#
154 185.0 68.6 102.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF125991.D
Acq: 28 Oct 2021 16:21

Tgt Ion:188 Resp: 571081
Ion Ratio Lower Upper
188 100
94 9.9 6.7 10.1
80 10.8 7.5 11.3

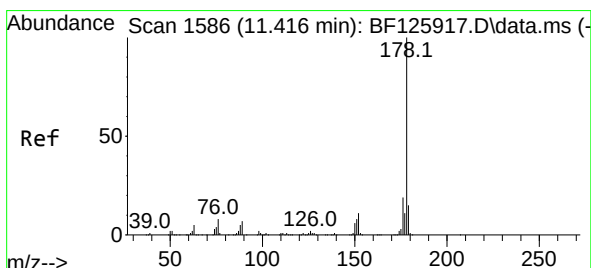
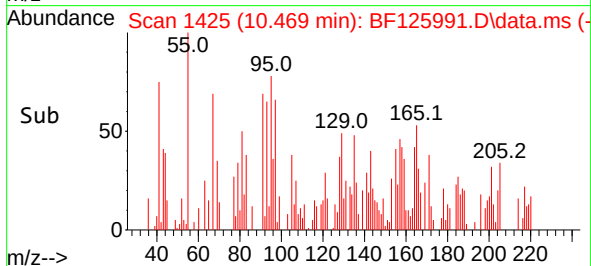
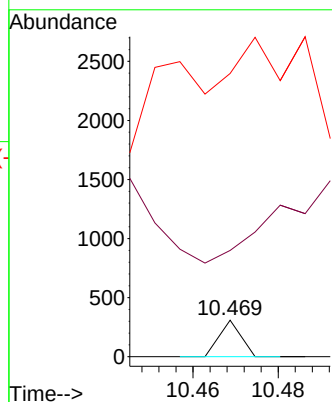
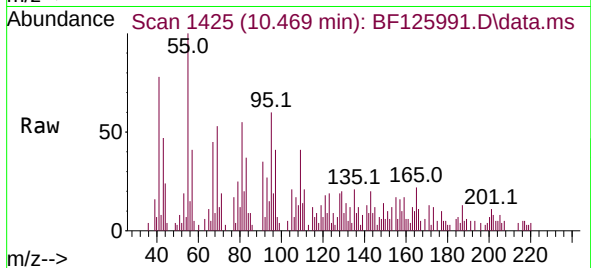




#65
4,6-Dinitro-2-methylphenol
Concen: 6.103 ng
RT: 10.469 min Scan# 1425
Delta R.T. -0.018 min
Lab File: BF125991.D
Acq: 28 Oct 2021 16:21

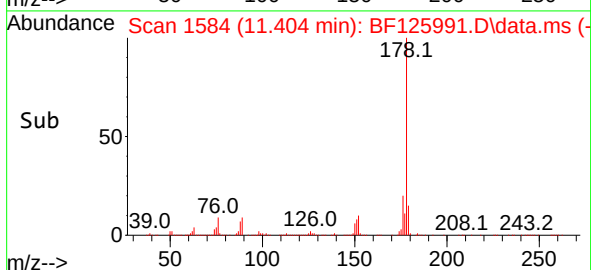
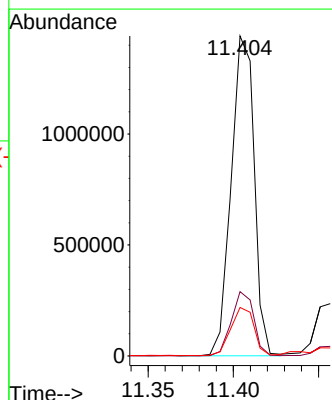
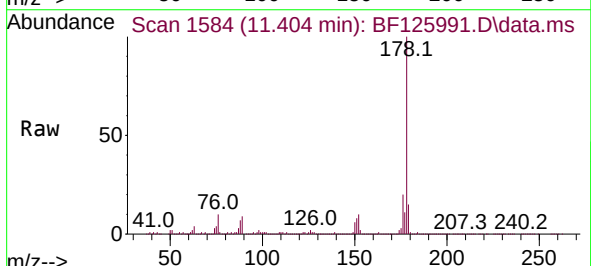
Instrument :
BNA_F
ClientSampled :
72-12002

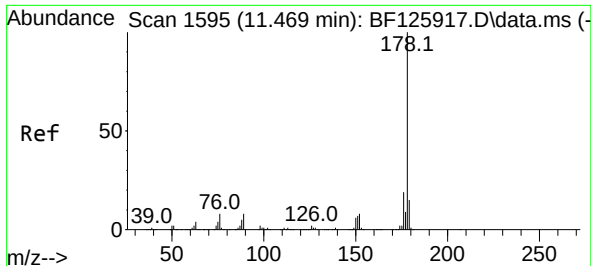
Tgt Ion:198 Resp: 109
Ion Ratio Lower Upper
198 100
51 290.9 45.3 85.3#
105 776.1 30.6 70.6#



#71
Phenanthrene
Concen: 45.587 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF125991.D
Acq: 28 Oct 2021 16:21

Tgt Ion:178 Resp: 1350866
Ion Ratio Lower Upper
178 100
176 20.1 14.7 22.1
179 15.2 11.5 17.3

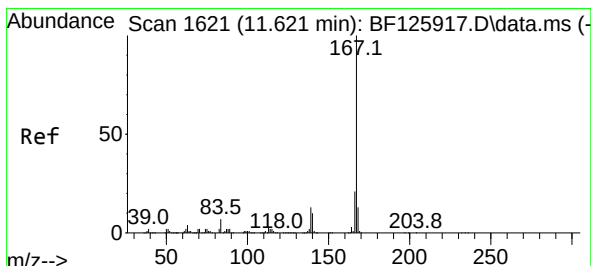
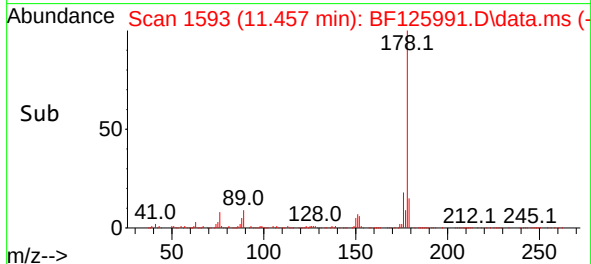
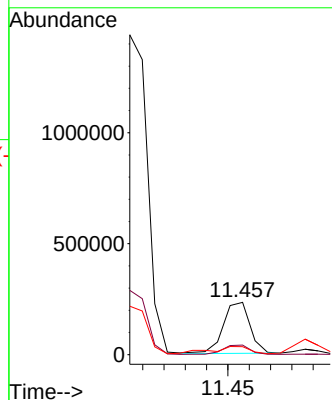
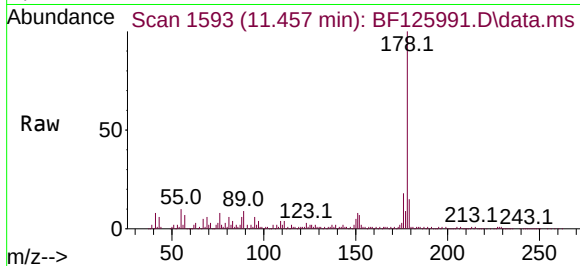




#72
 Anthracene
 Concen: 6.821 ng
 RT: 11.457 min Scan# 1593
 Delta R.T. -0.000 min
 Lab File: BF125991.D
 Acq: 28 Oct 2021 16:21

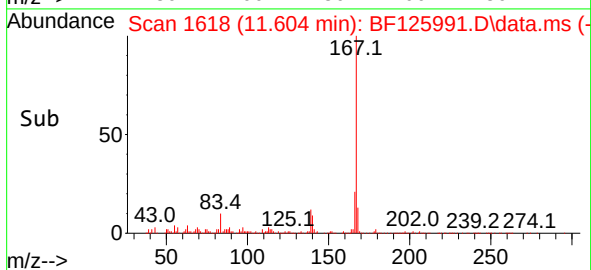
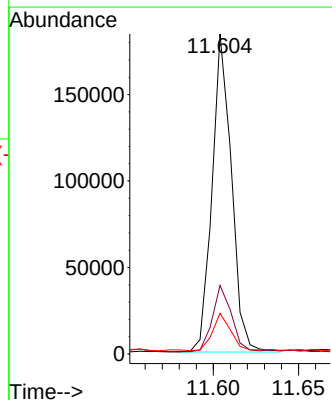
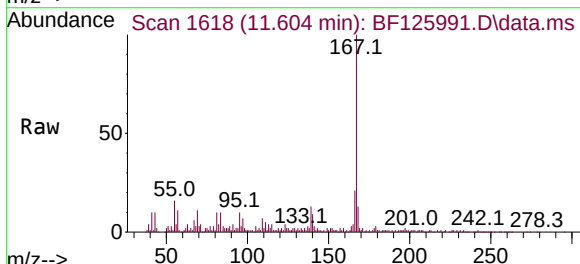
Instrument :
 BNA_F
 ClientSampleId :
 72-12002

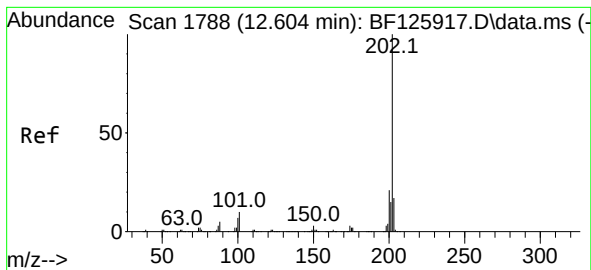
Tgt Ion:178 Resp: 201805
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.3 21.5
 179 15.4 12.2 18.4



#73
 Carbazole
 Concen: 5.182 ng
 RT: 11.604 min Scan# 1618
 Delta R.T. -0.006 min
 Lab File: BF125991.D
 Acq: 28 Oct 2021 16:21

Tgt Ion:167 Resp: 145757
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.4 26.0
 139 12.7 11.0 16.4

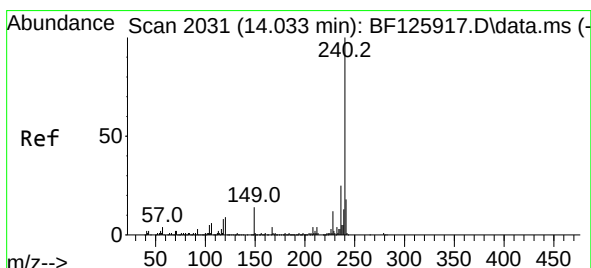
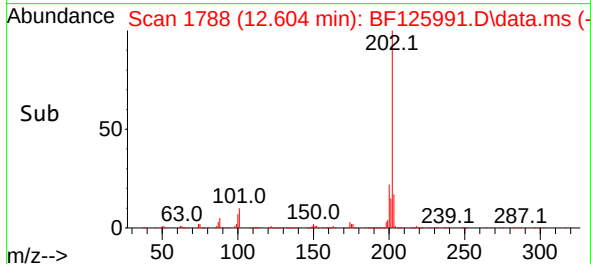
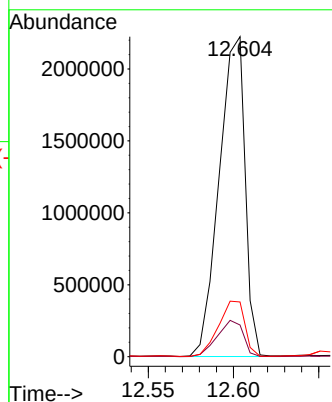
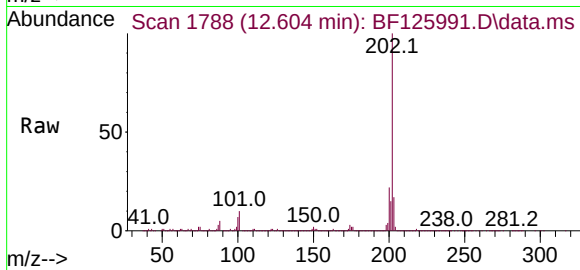




#75
Fluoranthene
Concen: 78.920 ng
RT: 12.604 min Scan# 1788
Delta R.T. 0.012 min
Lab File: BF125991.D
Acq: 28 Oct 2021 16:21

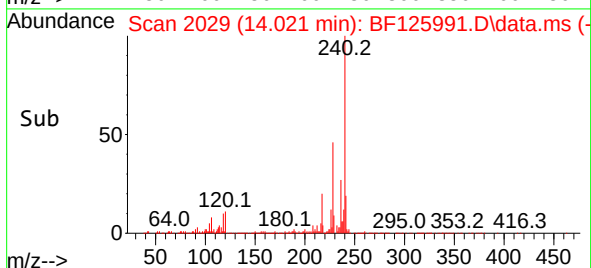
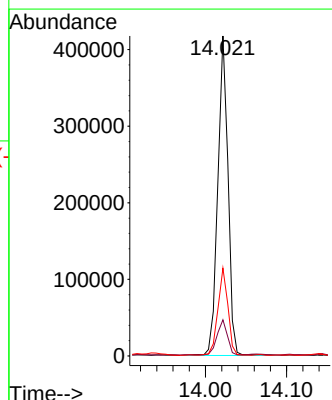
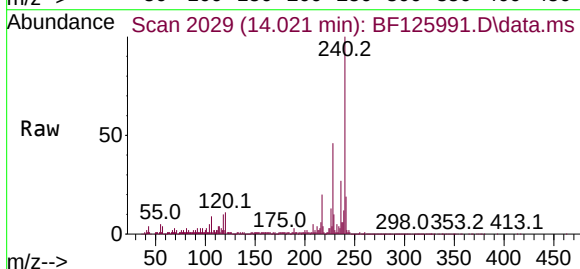
Instrument :
BNA_F
ClientSampleId :
72-12002

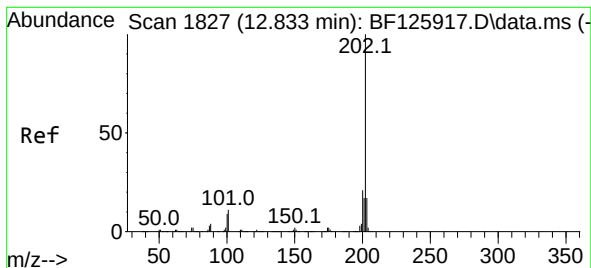
Tgt Ion:202 Resp: 2357530
Ion Ratio Lower Upper
202 100
101 9.9 0.0 30.7
203 17.1 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BF125991.D
Acq: 28 Oct 2021 16:21

Tgt Ion:240 Resp: 364633
Ion Ratio Lower Upper
240 100
120 11.3 10.8 16.2
236 27.5 21.6 32.4





#78

Pyrene

Concen: 61.963 ng

RT: 12.827 min Scan# 1826

Delta R.T. 0.006 min

Lab File: BF125991.D

Acq: 28 Oct 2021 16:21

Tgt Ion:202 Resp: 2102591

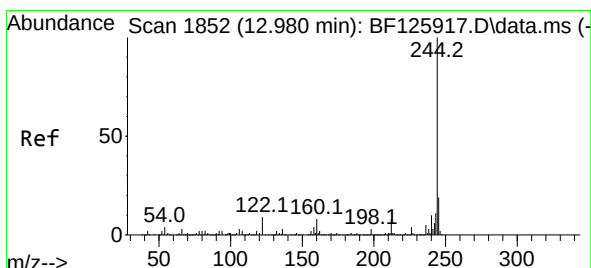
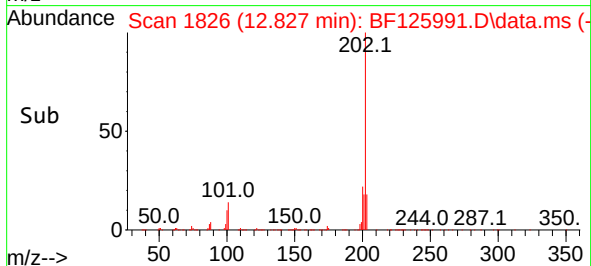
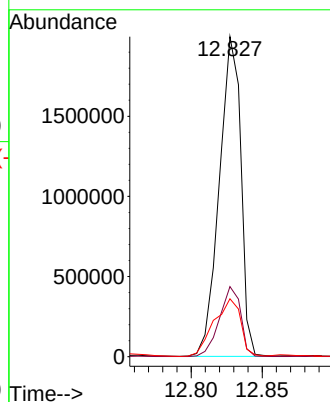
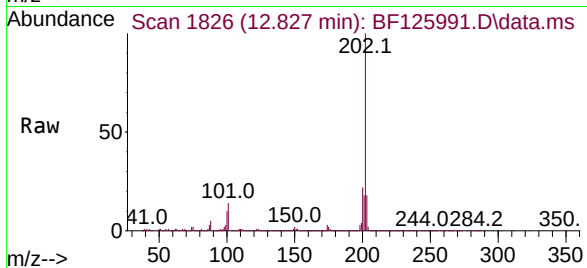
Ion	Ratio	Lower	Upper
202	100		
200	21.9	15.3	22.9
203	18.1	13.4	20.0

Instrument :

BNA_F

ClientSampleId :

72-12002



#79

Terphenyl-d14

Concen: 16.364 ng

RT: 12.963 min Scan# 1849

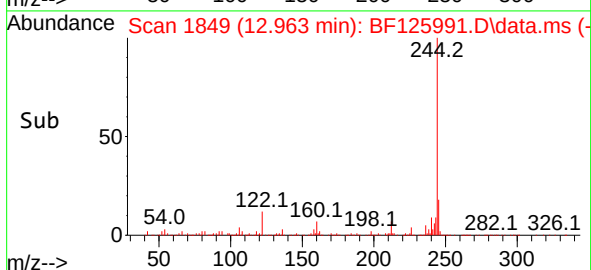
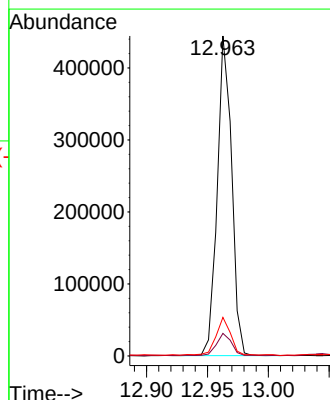
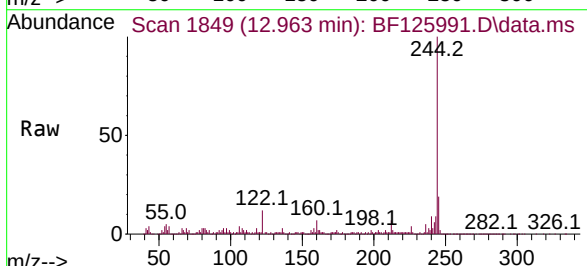
Delta R.T. -0.006 min

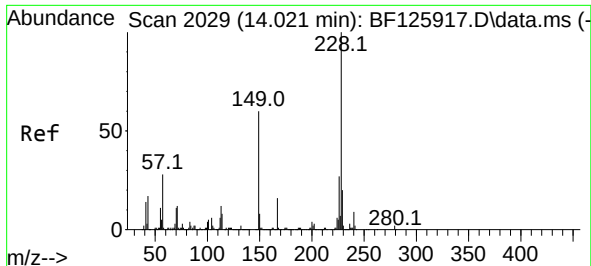
Lab File: BF125991.D

Acq: 28 Oct 2021 16:21

Tgt Ion:244 Resp: 364790

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.9	8.9
122	12.1	9.0	13.4

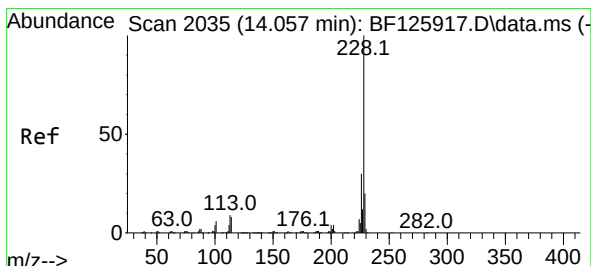
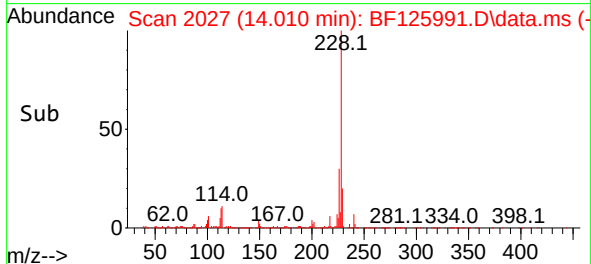
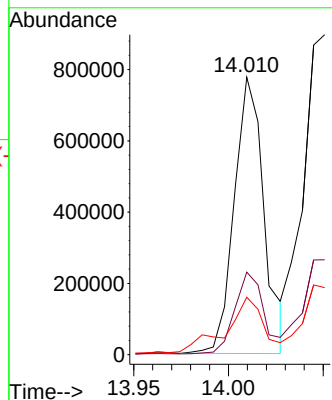
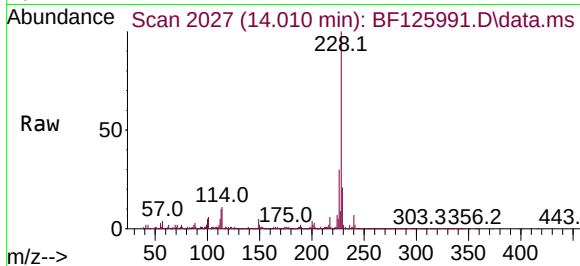




#81
Benzo(a)anthracene
Concen: 34.483 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF125991.D
Acq: 28 Oct 2021 16:21

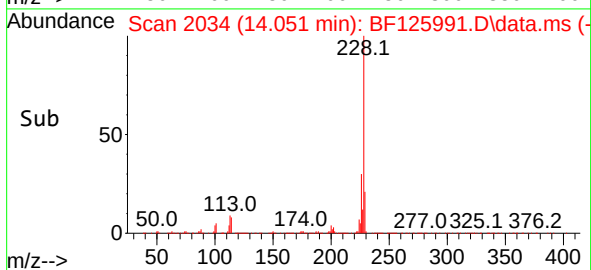
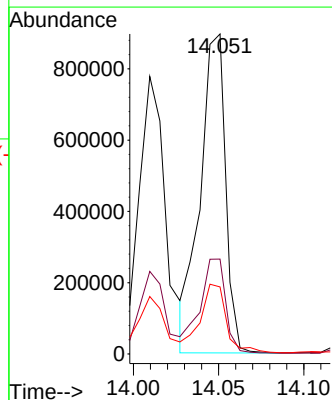
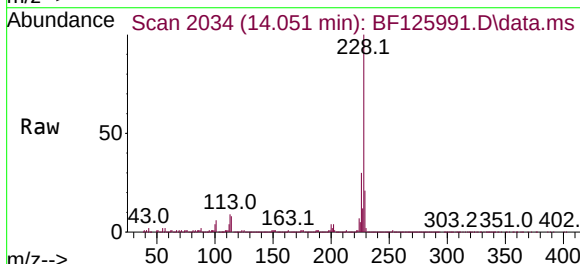
Instrument :
BNA_F
ClientSampleId :
72-12002

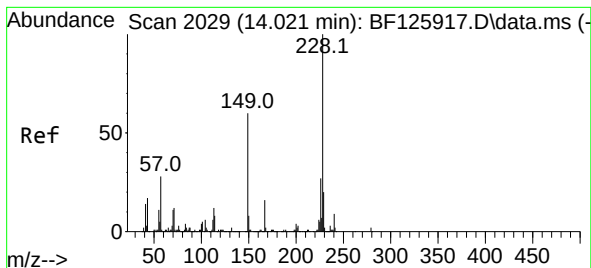
Tgt Ion:228 Resp: 846255
Ion Ratio Lower Upper
228 100
226 29.8 21.6 32.4
229 20.7 15.6 23.4



#83
Chrysene
Concen: 37.470 ng
RT: 14.051 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF125991.D
Acq: 28 Oct 2021 16:21

Tgt Ion:228 Resp: 930403
Ion Ratio Lower Upper
228 100
226 29.7 22.6 34.0
229 20.9 15.9 23.9

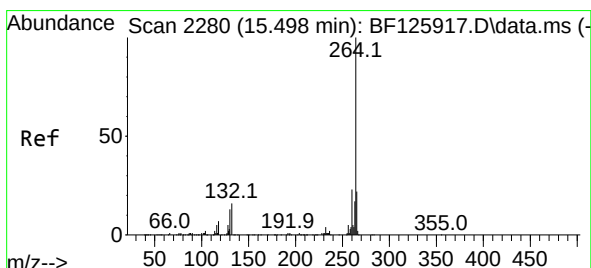
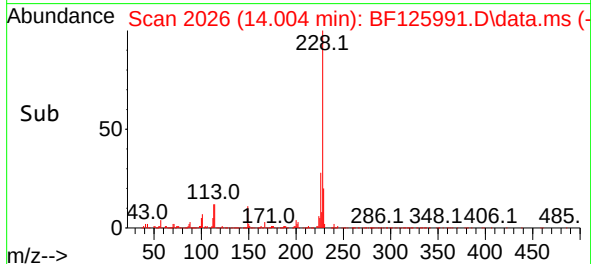
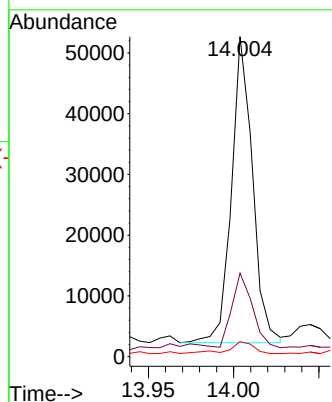
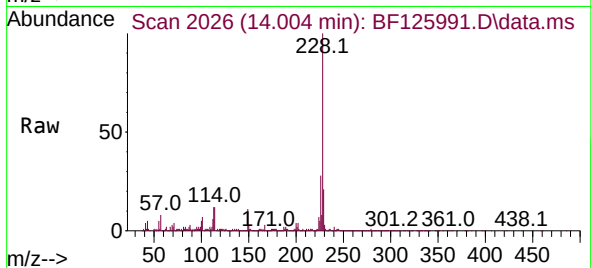




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.614 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF125991.D
Acq: 28 Oct 2021 16:21

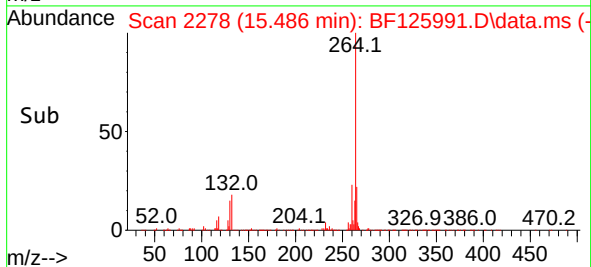
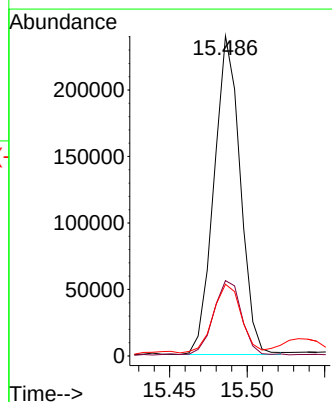
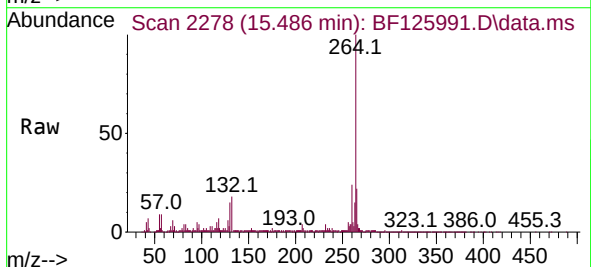
Instrument :
BNA_F
ClientSampled :
72-12002

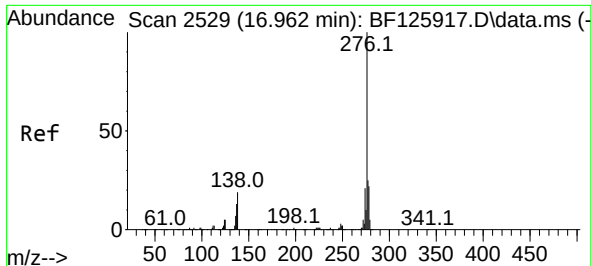
Tgt Ion:149 Resp: 43217
Ion Ratio Lower Upper
149 100
167 26.1 21.4 32.0
279 4.7 2.6 4.0#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.486 min Scan# 2278
Delta R.T. 0.006 min
Lab File: BF125991.D
Acq: 28 Oct 2021 16:21

Tgt Ion:264 Resp: 281909
Ion Ratio Lower Upper
264 100
260 23.5 19.6 29.4
265 22.4 17.2 25.8

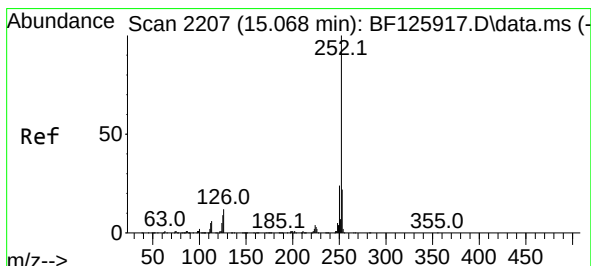
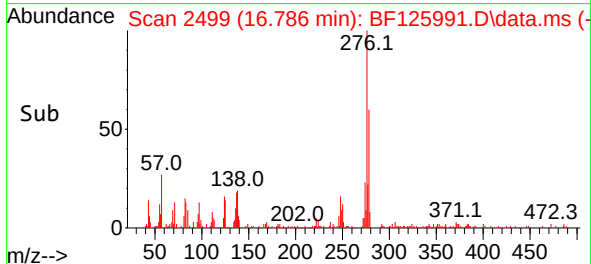
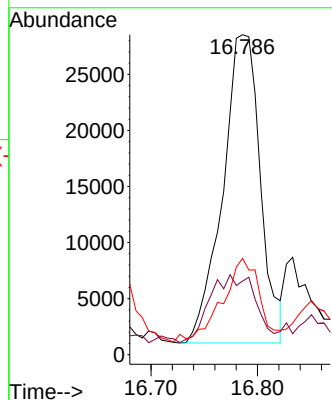
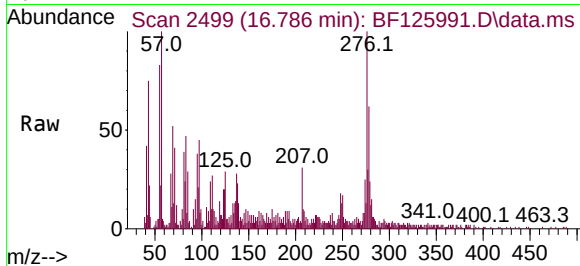




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.330 ng
RT: 16.786 min Scan# 2499
Delta R.T. -0.159 min
Lab File: BF125991.D
Acq: 28 Oct 2021 16:21

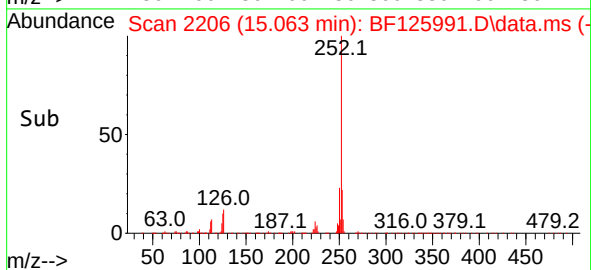
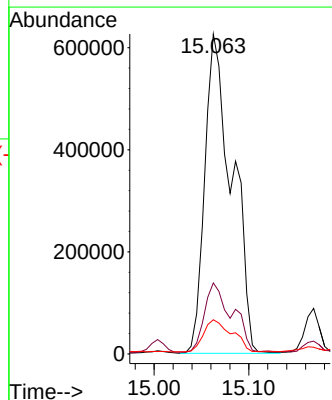
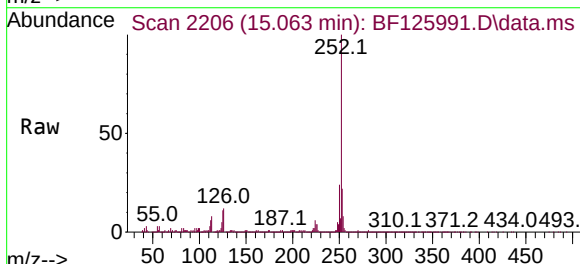
Instrument :
BNA_F
ClientSampleId :
72-12002

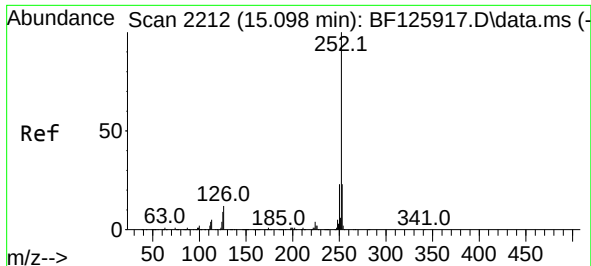
Tgt Ion:	276	Resp:	67623
Ion Ratio	Lower	Upper	
276	100		
138	26.4	24.1	36.1
277	27.0	18.8	28.2



#88
Benzo(b)fluoranthene
Concen: 67.526 ng
RT: 15.063 min Scan# 2206
Delta R.T. 0.006 min
Lab File: BF125991.D
Acq: 28 Oct 2021 16:21

Tgt Ion:	252	Resp:	1256512
Ion Ratio	Lower	Upper	
252	100		
253	22.2	16.8	25.2
125	10.7	9.8	14.8

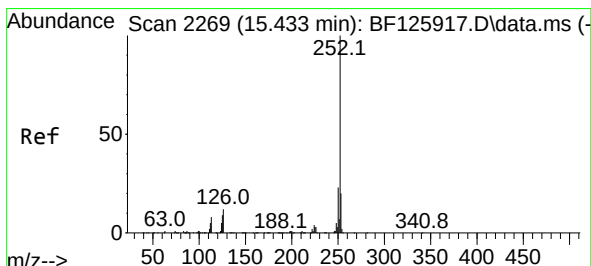
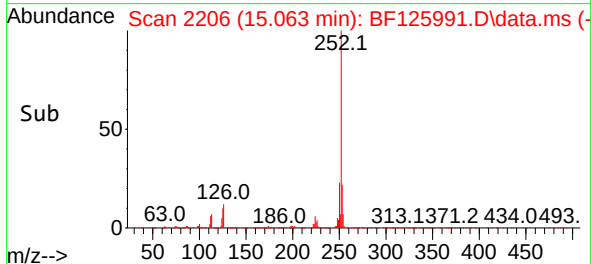
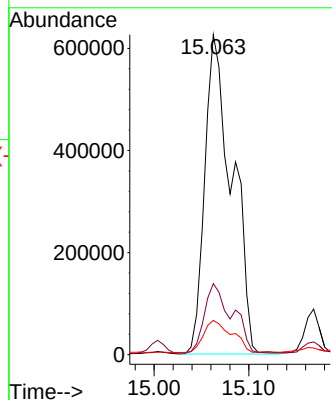
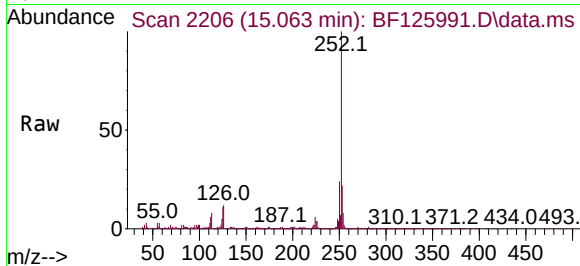




#89
Benzo(k)fluoranthene
Concen: 70.300 ng
RT: 15.063 min Scan# 2206
Delta R.T. -0.024 min
Lab File: BF125991.D
Acq: 28 Oct 2021 16:21

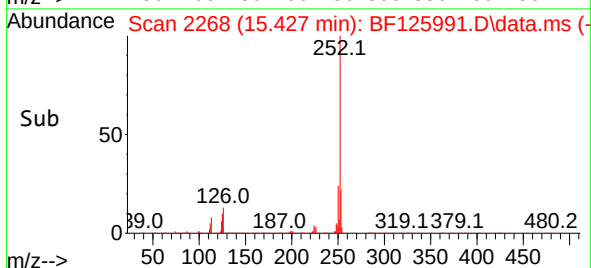
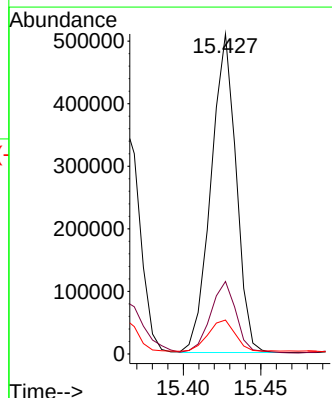
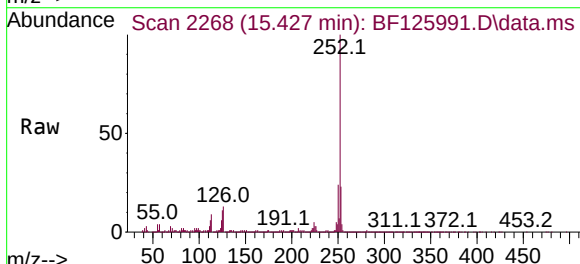
Instrument :
BNA_F
ClientSampleId :
72-12002

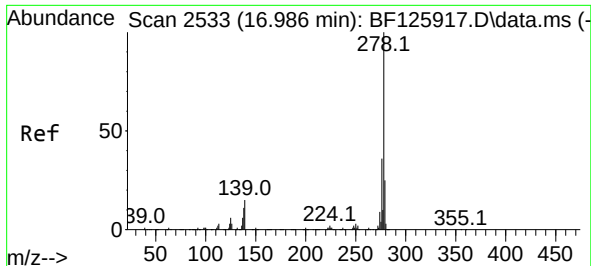
Tgt Ion:252 Resp: 1256512
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 10.7 7.2 10.8



#90
Benzo(a)pyrene
Concen: 38.258 ng
RT: 15.427 min Scan# 2268
Delta R.T. 0.006 min
Lab File: BF125991.D
Acq: 28 Oct 2021 16:21

Tgt Ion:252 Resp: 574702
Ion Ratio Lower Upper
252 100
253 22.7 18.4 27.6
125 10.6 9.9 14.9

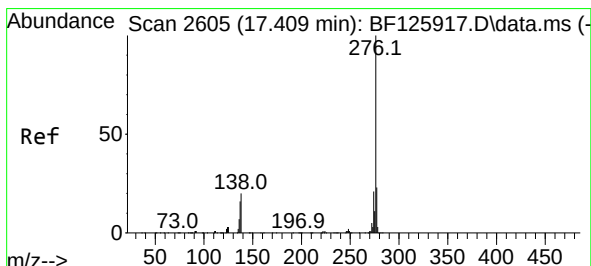
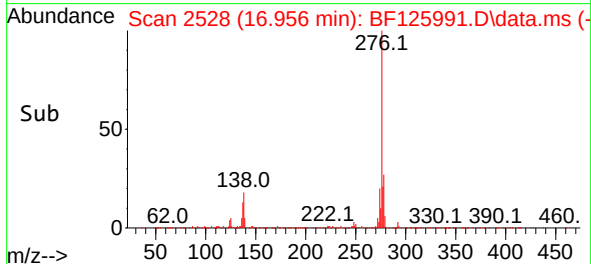
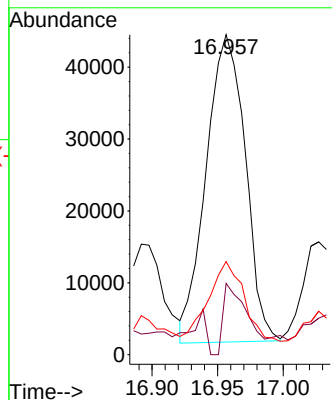
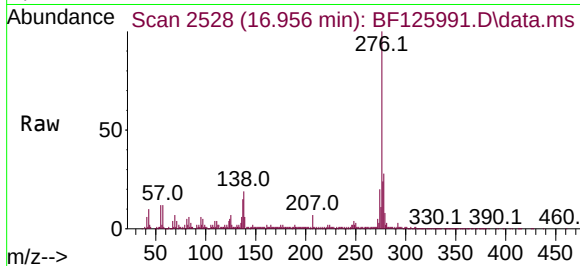




#91
Dibenzo(a,h)anthracene
Concen: 5.400 ng
RT: 16.956 min Scan# 2528
Delta R.T. -0.006 min
Lab File: BF125991.D
Acq: 28 Oct 2021 16:21

Instrument :
BNA_F
ClientSampleId :
72-12002

Tgt Ion:278 Resp: 88853
Ion Ratio Lower Upper
278 100
139 22.3 14.9 22.3
279 29.1 19.7 29.5



#92
Benzo(g,h,i)perylene
Concen: 21.315 ng
RT: 17.392 min Scan# 2602
Delta R.T. 0.006 min
Lab File: BF125991.D
Acq: 28 Oct 2021 16:21

Tgt Ion:276 Resp: 366406
Ion Ratio Lower Upper
276 100
277 23.4 22.0 33.0
138 20.7 22.2 33.4#

