

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
 Data File : BF125985.D
 Acq On : 28 Oct 2021 13:08
 Operator : JU/CG
 Sample : M4336-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C3

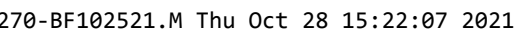
Quant Time: Oct 28 15:21:57 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 28 12:01:54 2021
 Response via : Initial Calibration

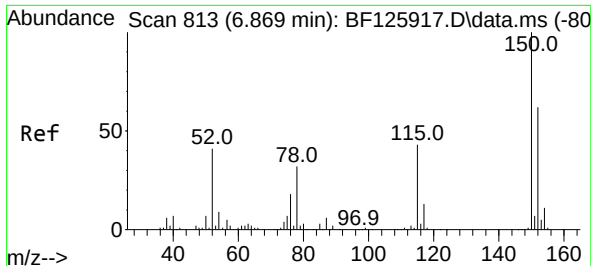
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	168379	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	655387	20.000	ng	# 0.00
39) Acenaphthene-d10	9.892	164	328860	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	515877	20.000	ng	# 0.00
76) Chrysene-d12	14.027	240	349026	20.000	ng	0.00
86) Perylene-d12	15.492	264	331470	20.000	ng	# 0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	1157957	102.436	ng	0.00
7) Phenol-d6	6.481	99	1494718	96.405	ng	0.00
23) Nitrobenzene-d5	7.416	82	975957	76.919	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	291842	101.800	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	1469930	79.045	ng	0.00
79) Terphenyl-d14	12.968	244	1236767	57.962	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	131182	14.809	ng	# 61
25) Isophorone	7.416	82	972909	40.265	ng	# 59
32) Benzoic acid	7.822	122	476	4.233	ng	# 80
52) Acenaphthene	9.922	154	53027	2.974	ng	98
54) 2,4-Dinitrophenol	10.151	184	110	7.181	ng	# 1
58) Fluorene	10.439	166	34392	Below Cal		97
65) 4,6-Dinitro-2-methylph...	10.463	198	135	6.117	ng	# 1
71) Phenanthrene	11.404	178	1177261	43.980	ng	98
72) Anthracene	11.451	178	335988	12.571	ng	99
75) Fluoranthene	12.598	202	2219870	82.263	ng	96
78) Pyrene	12.598	202	2219870	68.344	ng	95
81) Benzo(a)anthracene	14.015	228	2095639	89.210	ng	96
83) Chrysene	14.051	228	1782559	75.000	ng	96
84) Bis(2-ethylhexyl)phtha...	14.004	149	25419	2.221	ng	# 82
85) Di-n-octyl phthalate	14.657	149	294872	16.628	ng	# 41
87) Indeno(1,2,3-cd)pyrene	16.951	276	530489	22.215	ng	# 91
88) Benzo(b)fluoranthene	15.068	252	2104573	96.191	ng	97
89) Benzo(k)fluoranthene	15.068	252	2104573	100.142	ng	# 98
90) Benzo(a)pyrene	15.433	252	1182934	66.973	ng	97
91) Dibenzo(a,h)anthracene	17.027	278	64539	3.336	ng	96

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 28 12:01:54 2021
Response via : Initial Calibration

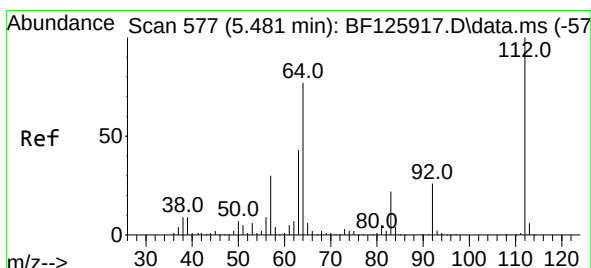
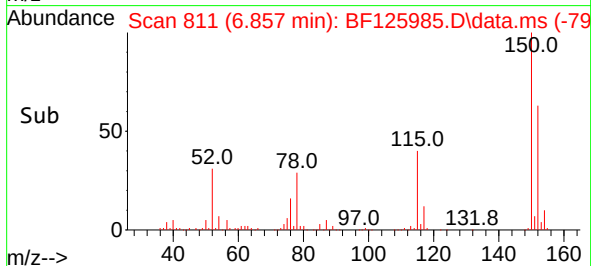
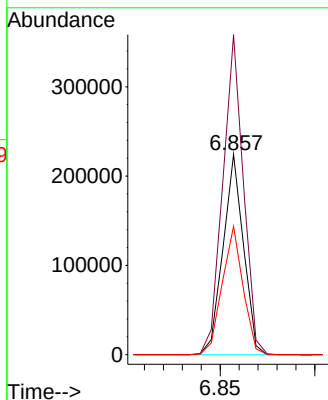
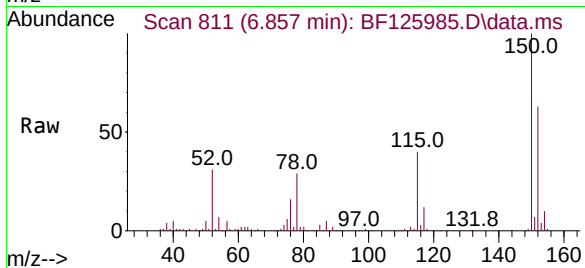




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF125985.D
Acq: 28 Oct 2021 13:08

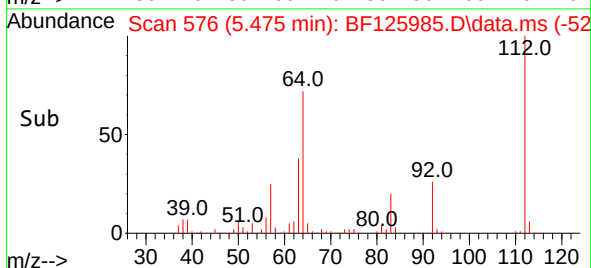
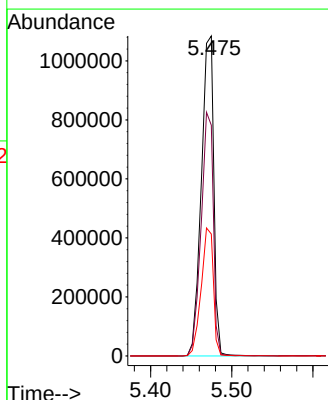
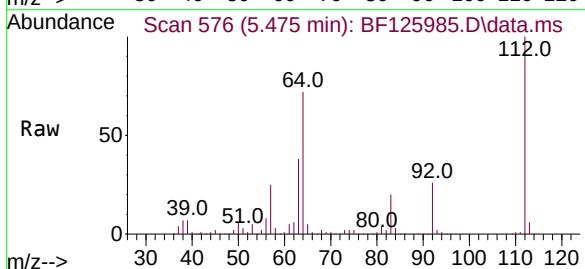
Instrument :
BNA_F
ClientSampleId :
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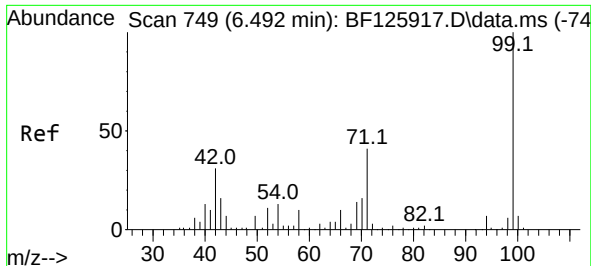
Tgt Ion:152 Resp: 168379
Ion Ratio Lower Upper
152 100
150 159.7 117.6 176.4
115 64.1 47.1 70.7



#5
2-Fluorophenol
Concen: 102.436 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.000 min
Lab File: BF125985.D
Acq: 28 Oct 2021 13:08

Tgt Ion:112 Resp: 1157957
Ion Ratio Lower Upper
112 100
64 72.1 44.2 66.2#
63 38.1 26.2 39.2

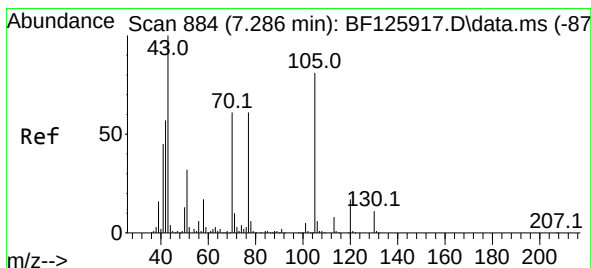
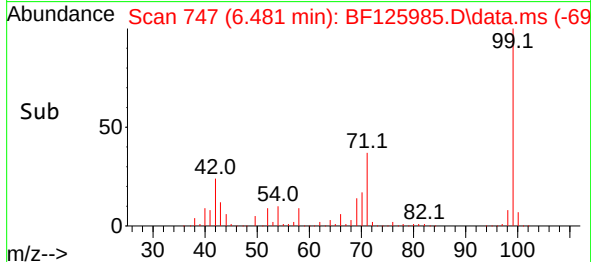
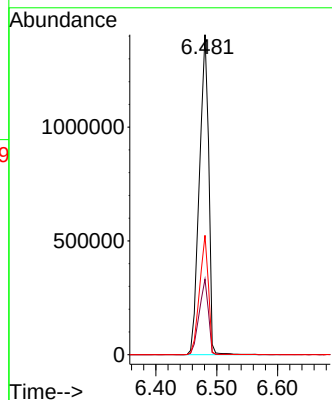
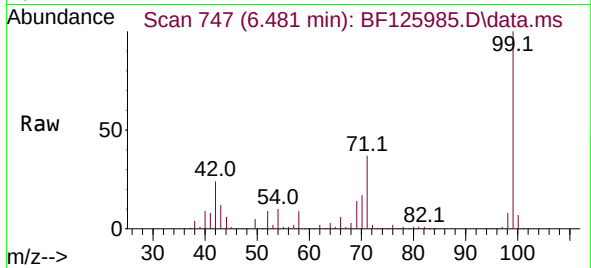




#7
Phenol-d6
Concen: 96.405 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF125985.D
Acq: 28 Oct 2021 13:08

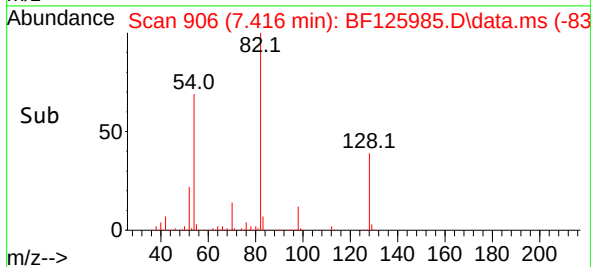
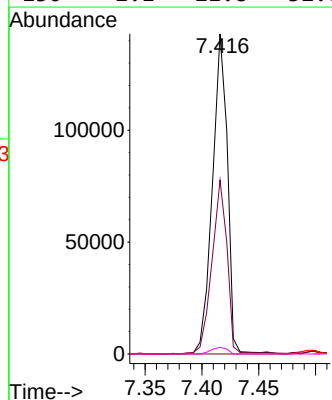
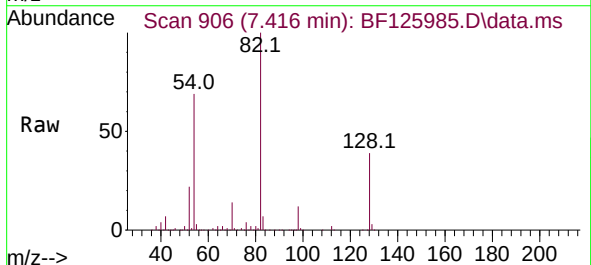
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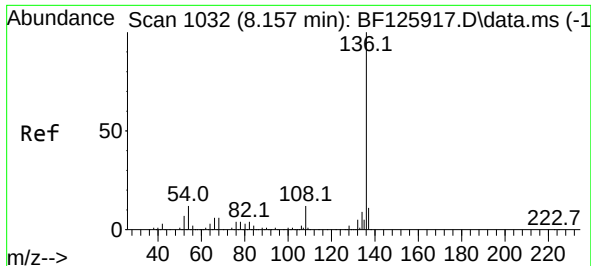
Tgt Ion: 99 Resp: 1494718
Ion Ratio Lower Upper
99 100
42 23.6 23.5 35.3
71 37.3 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 14.809 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.135 min
Lab File: BF125985.D
Acq: 28 Oct 2021 13:08

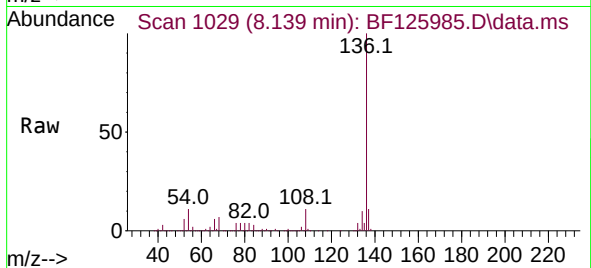
Tgt Ion: 70 Resp: 131182
Ion Ratio Lower Upper
70 100
42 54.3 72.2 108.2#
101 0.0 7.8 11.8#
130 2.1 21.8 32.6#



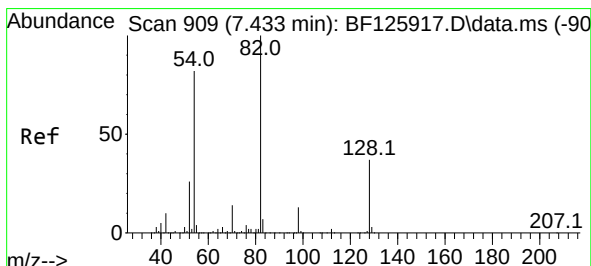
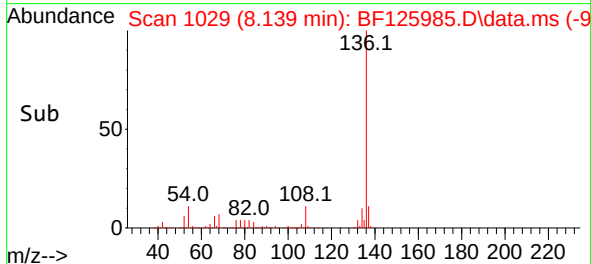
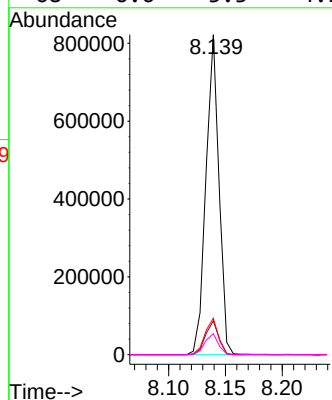


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF125985.D
Acq: 28 Oct 2021 13:08

Instrument :
BNA_F
ClientSampleId :
C3

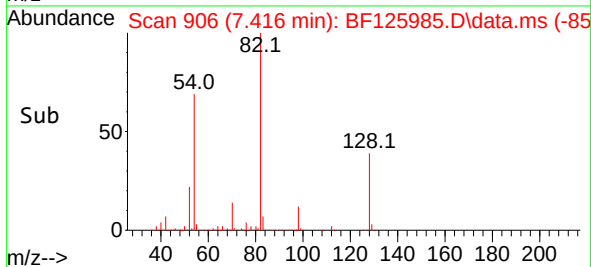
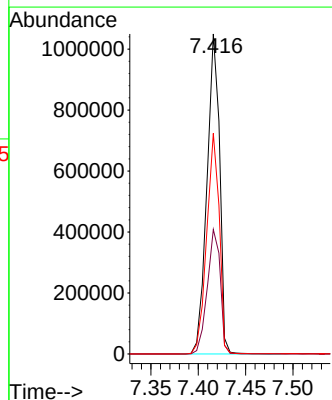
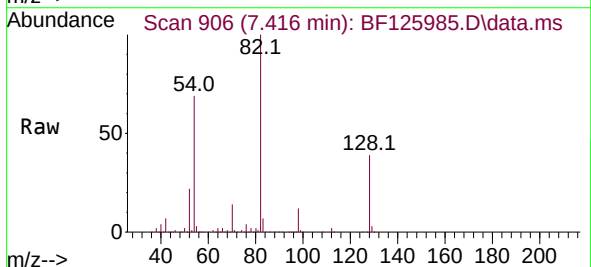


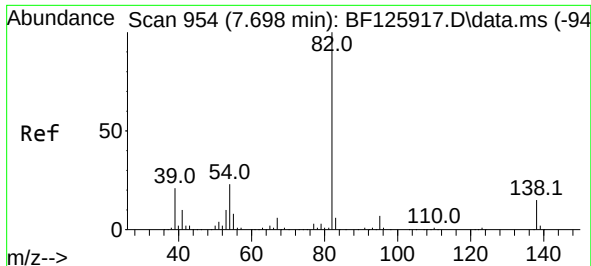
Tgt Ion:136 Resp: 655387
Ion Ratio Lower Upper
136 100
137 10.5 9.8 14.6
54 11.4 6.4 9.6#
68 6.6 3.3 4.9#



#23
Nitrobenzene-d5
Concen: 76.919 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF125985.D
Acq: 28 Oct 2021 13:08

Tgt Ion: 82 Resp: 975957
Ion Ratio Lower Upper
82 100
128 38.9 40.6 60.8#
54 68.9 49.6 74.4

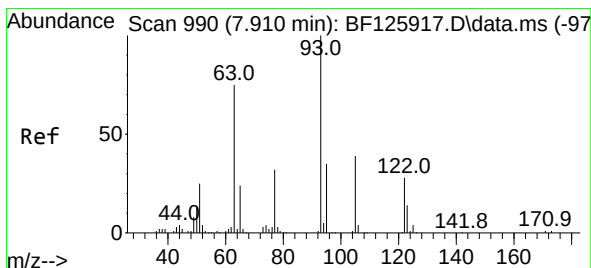
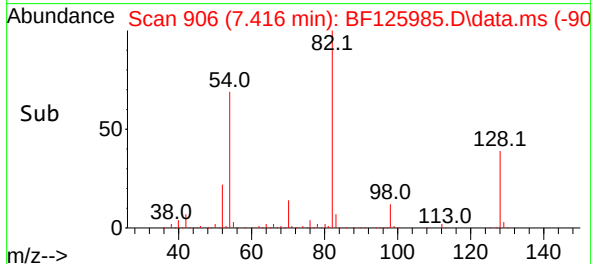
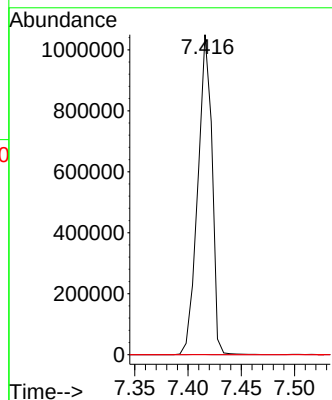
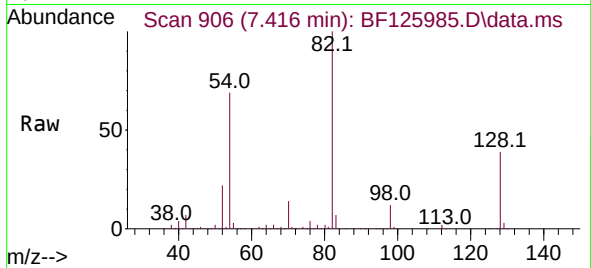




#25
Isophorone
Concen: 40.265 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.271 min
Lab File: BF125985.D
Acq: 28 Oct 2021 13:08

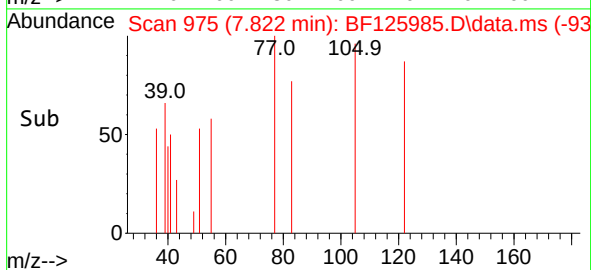
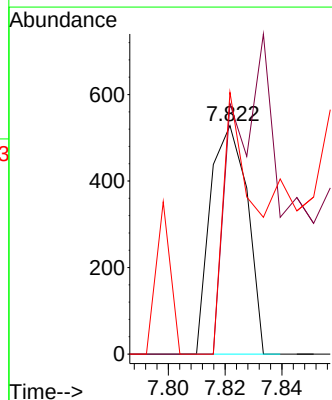
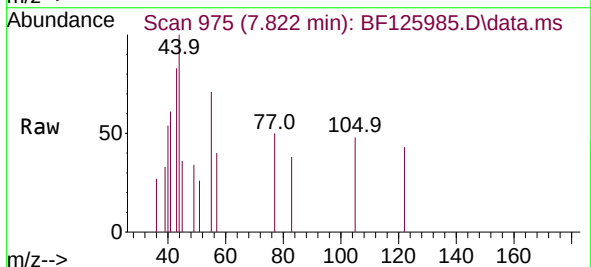
Instrument :
BNA_F
ClientSampled :
C3

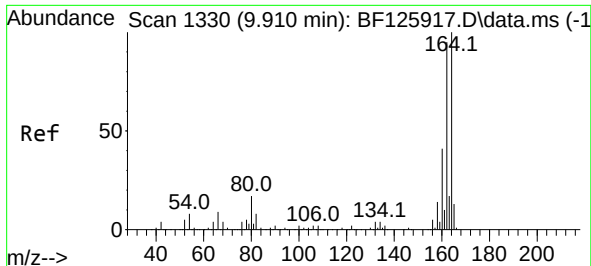
Tgt Ion: 82 Resp: 972909
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#32
Benzoic acid
Concen: 4.233 ng
RT: 7.822 min Scan# 975
Delta R.T. -0.088 min
Lab File: BF125985.D
Acq: 28 Oct 2021 13:08

Tgt Ion: 122 Resp: 476
Ion Ratio Lower Upper
122 100
105 109.7 97.6 137.6
77 114.6 59.6 99.6#

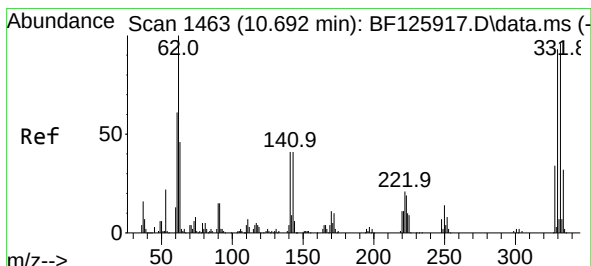
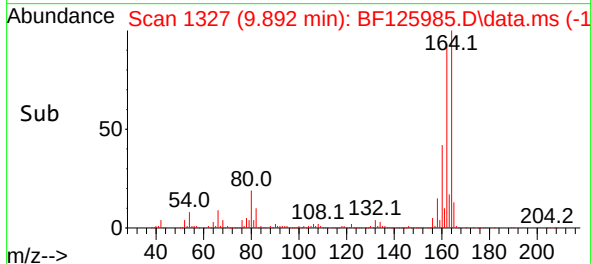
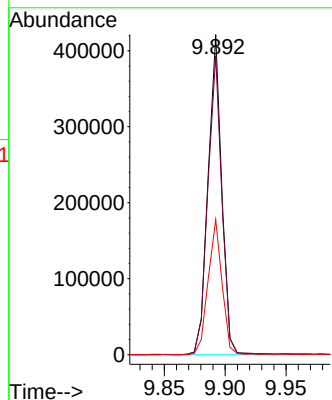
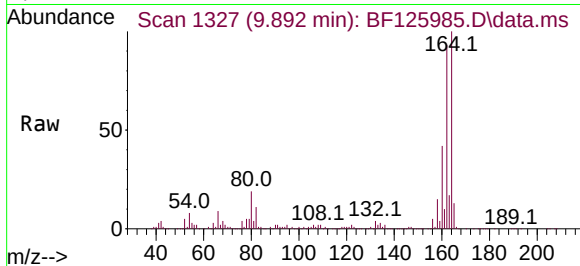




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF125985.D
Acq: 28 Oct 2021 13:08

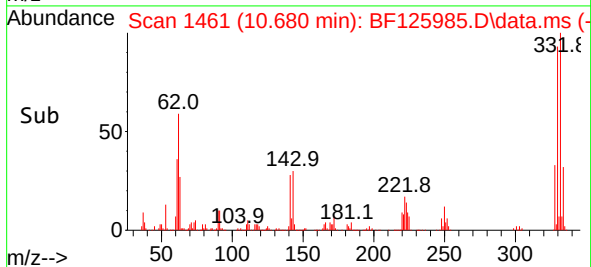
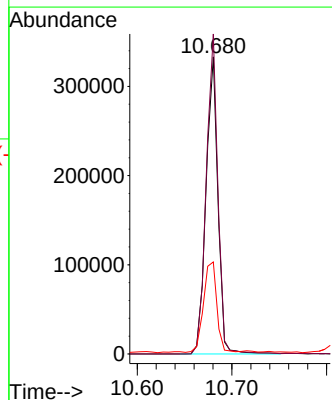
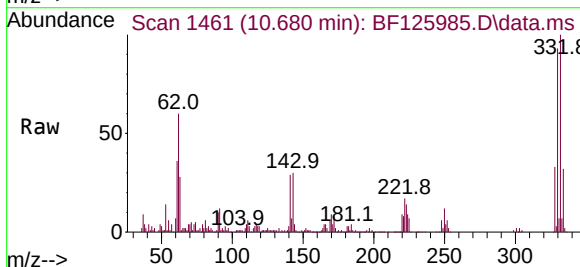
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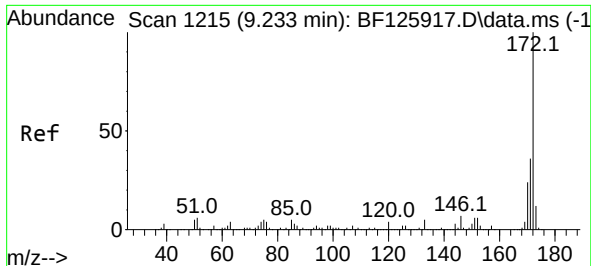
Tgt Ion:164 Resp: 328860
Ion Ratio Lower Upper
164 100
162 93.5 81.3 121.9
160 42.2 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 101.800 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF125985.D
Acq: 28 Oct 2021 13:08

Tgt Ion:330 Resp: 291842
Ion Ratio Lower Upper
330 100
332 105.3 76.2 114.4
141 34.7 44.6 66.8#

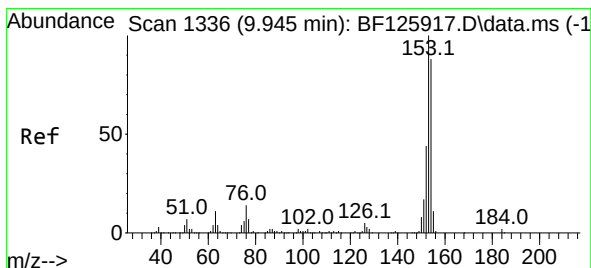
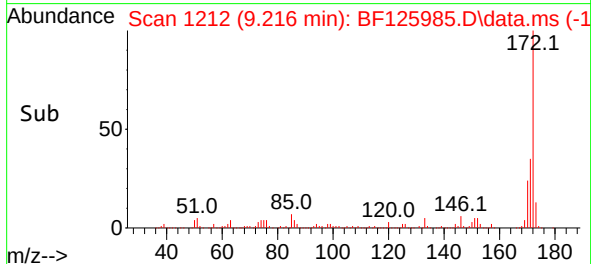
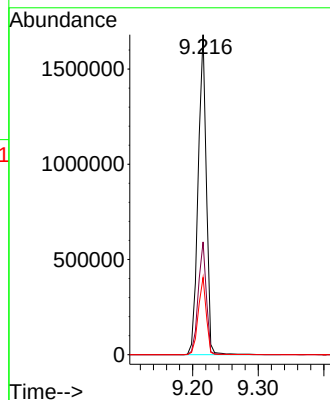
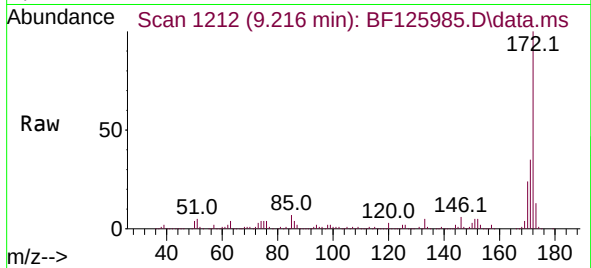




#45
2-Fluorobiphenyl
Concen: 79.045 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF125985.D
Acq: 28 Oct 2021 13:08

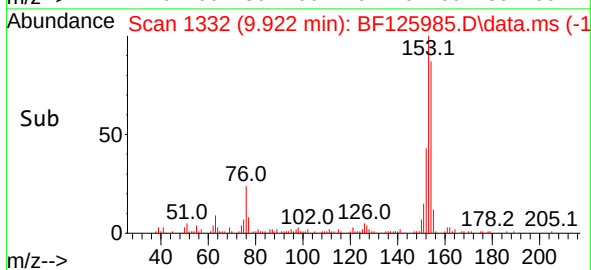
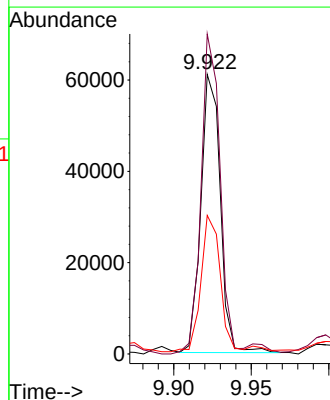
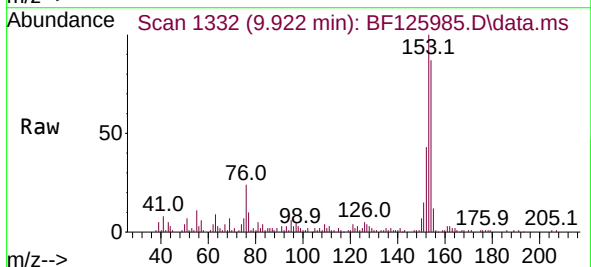
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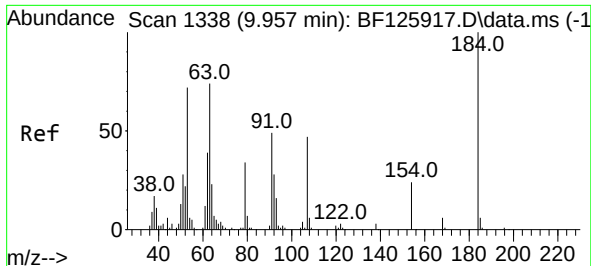
Tgt Ion:172 Resp: 1469930
Ion Ratio Lower Upper
172 100
171 35.3 26.5 39.7
170 24.2 18.8 28.2



#52
Acenaphthene
Concen: 2.974 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.012 min
Lab File: BF125985.D
Acq: 28 Oct 2021 13:08

Tgt Ion:154 Resp: 53027
Ion Ratio Lower Upper
154 100
153 114.5 89.4 134.2
152 49.6 40.5 60.7

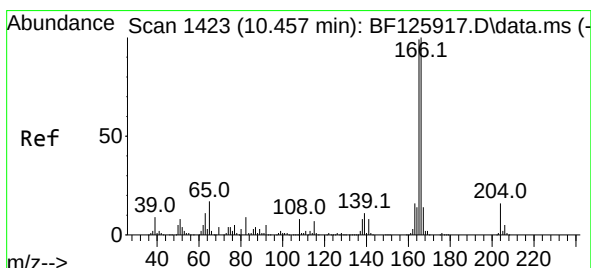
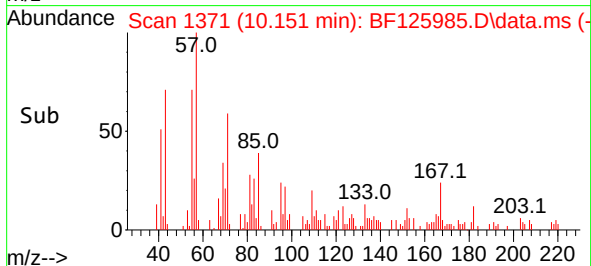
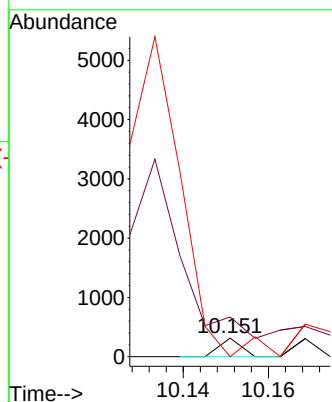
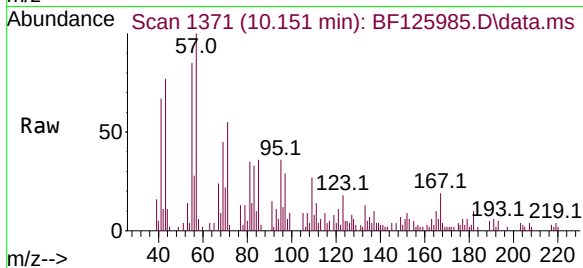




#54
2,4-Dinitrophenol
Concen: 7.181 ng
RT: 10.151 min Scan# 1371
Delta R.T. 0.200 min
Lab File: BF125985.D
Acq: 28 Oct 2021 13:08

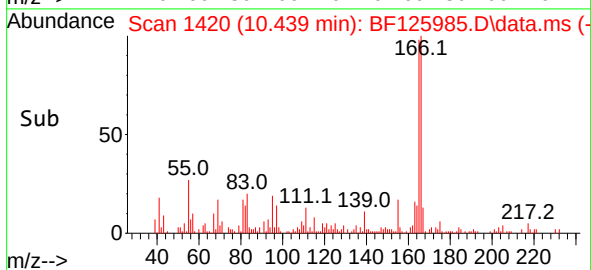
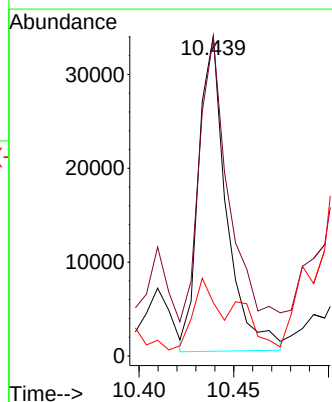
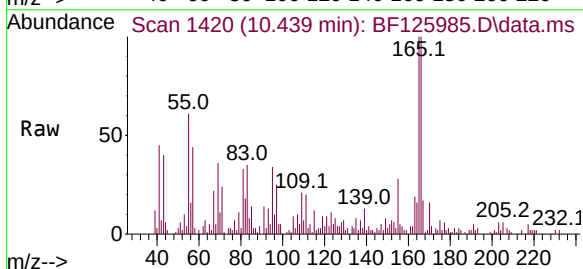
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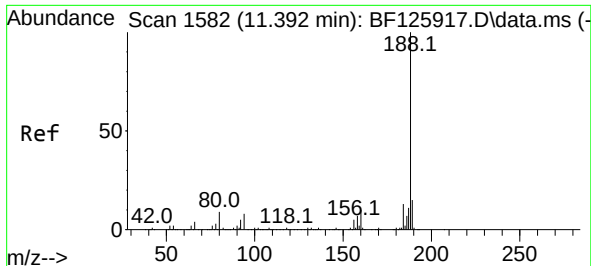
Tgt Ion:184 Resp: 110
Ion Ratio Lower Upper
184 100
63 214.7 59.3 88.9#
154 0.0 68.6 102.8#



#58
Fluorene
Concen: Below Cal
RT: 10.439 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF125985.D
Acq: 28 Oct 2021 13:08

Tgt Ion:166 Resp: 34392
Ion Ratio Lower Upper
166 100
165 99.5 78.1 117.1
167 16.7 11.1 16.7

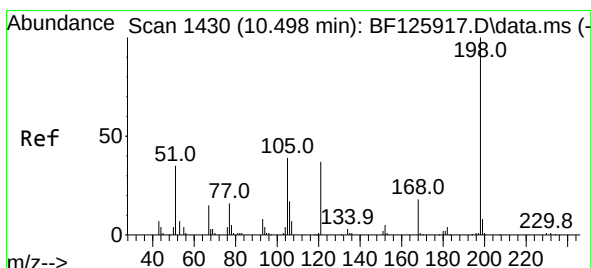
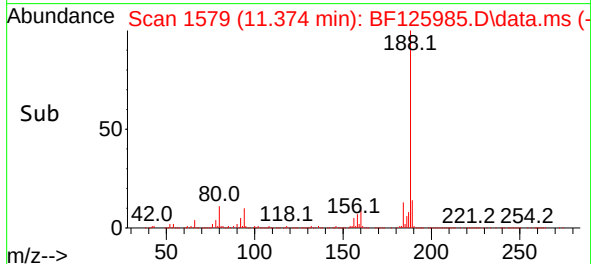
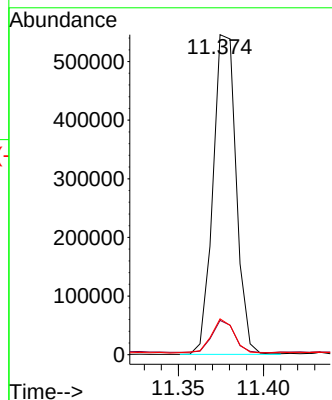
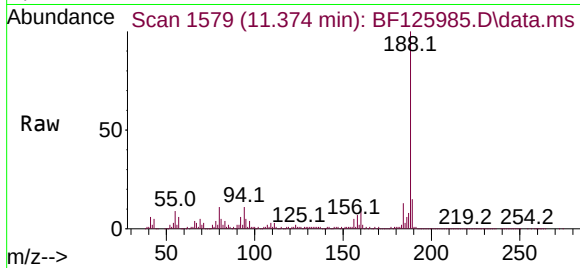




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF125985.D
Acq: 28 Oct 2021 13:08

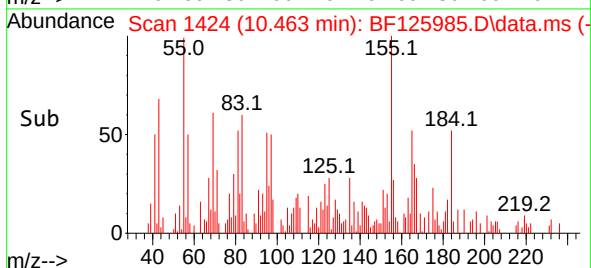
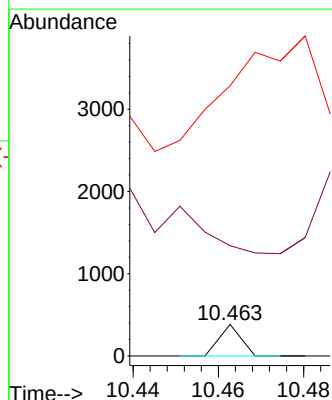
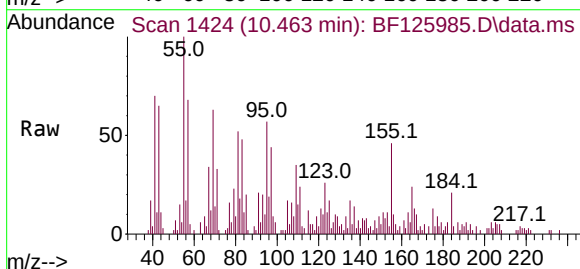
Instrument :
BNA_F
ClientSampled :
C3

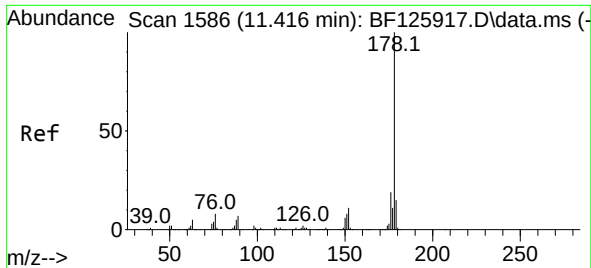
Tgt Ion:188 Resp: 515877
Ion Ratio Lower Upper
188 100
94 10.7 6.7 10.1#
80 11.2 7.5 11.3



#65
4,6-Dinitro-2-methylphenol
Concen: 6.117 ng
RT: 10.463 min Scan# 1424
Delta R.T. -0.024 min
Lab File: BF125985.D
Acq: 28 Oct 2021 13:08

Tgt Ion:198 Resp: 135
Ion Ratio Lower Upper
198 100
51 349.9 45.3 85.3#
105 858.0 30.6 70.6#

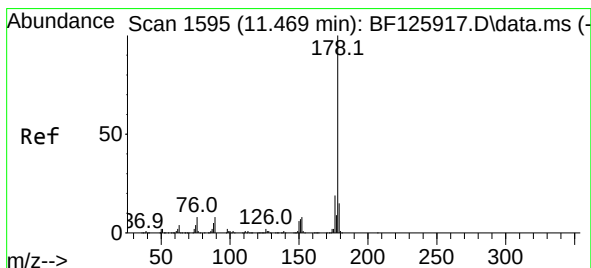
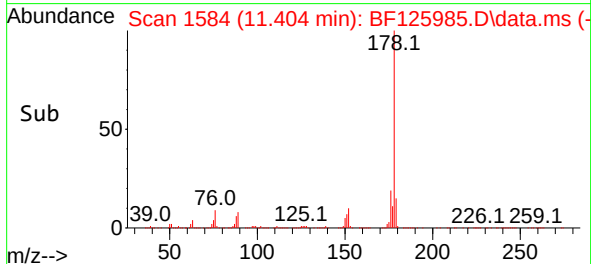
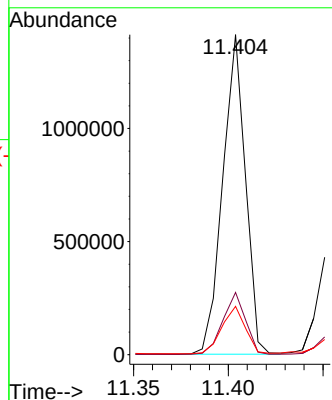
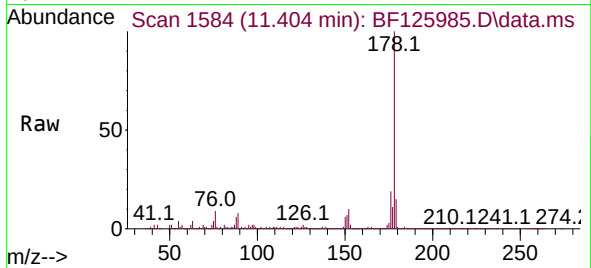




#71
Phenanthrene
Concen: 43.980 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF125985.D
Acq: 28 Oct 2021 13:08

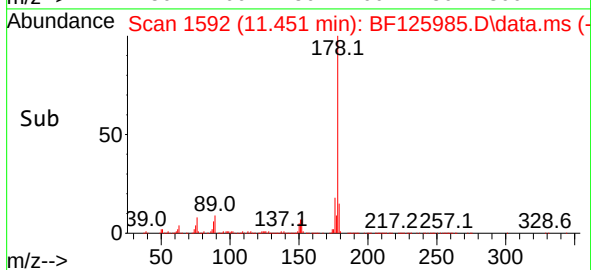
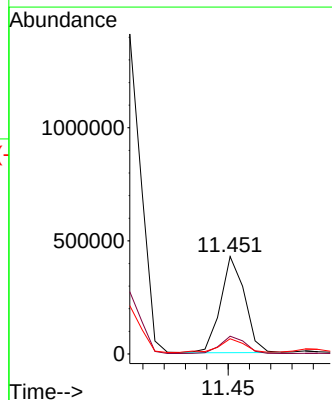
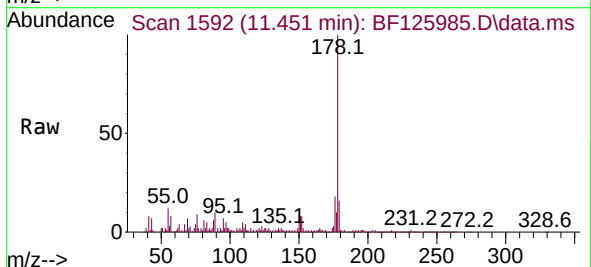
Instrument :
BNA_F
ClientSampled :
C3

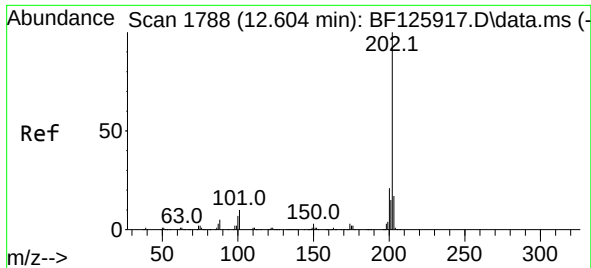
Tgt Ion:178 Resp: 1177261
Ion Ratio Lower Upper
178 100
176 19.5 14.7 22.1
179 15.1 11.5 17.3



#72
Anthracene
Concen: 12.571 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF125985.D
Acq: 28 Oct 2021 13:08

Tgt Ion:178 Resp: 335988
Ion Ratio Lower Upper
178 100
176 18.2 14.3 21.5
179 15.5 12.2 18.4

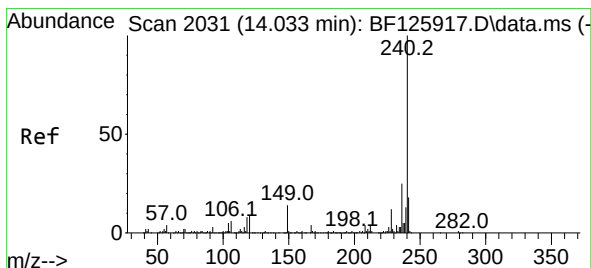
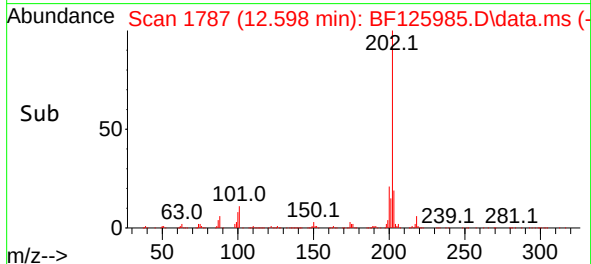
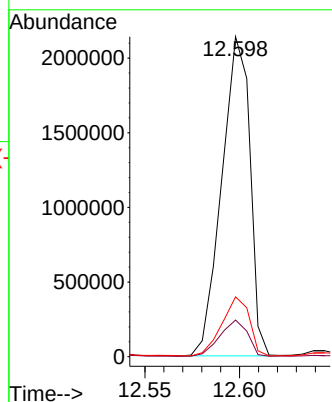
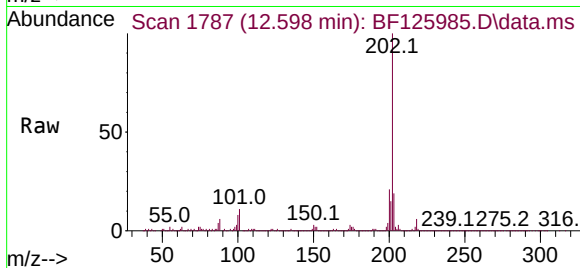




#75
Fluoranthene
Concen: 82.263 ng
RT: 12.598 min Scan# 1787
Delta R.T. 0.006 min
Lab File: BF125985.D
Acq: 28 Oct 2021 13:08

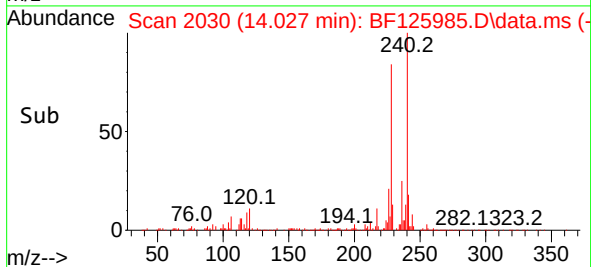
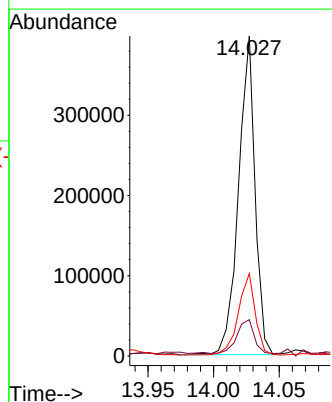
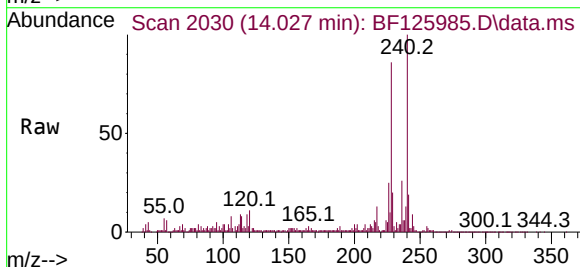
Instrument :
BNA_F
ClientSampled :
C3

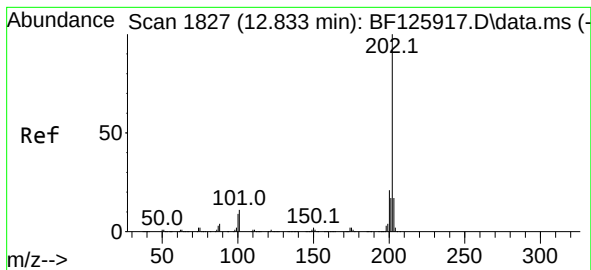
Tgt Ion:202 Resp: 2219870
Ion Ratio Lower Upper
202 100
101 11.5 0.0 30.7
203 18.7 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BF125985.D
Acq: 28 Oct 2021 13:08

Tgt Ion:240 Resp: 349026
Ion Ratio Lower Upper
240 100
120 11.4 10.8 16.2
236 25.7 21.6 32.4

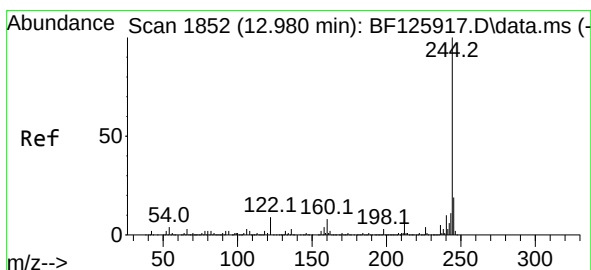
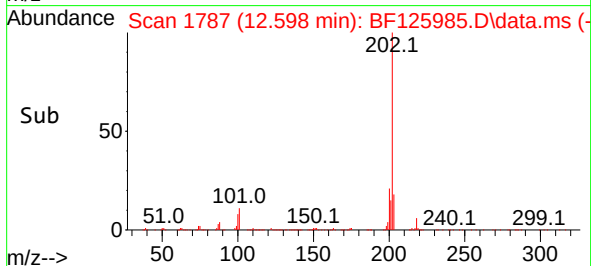
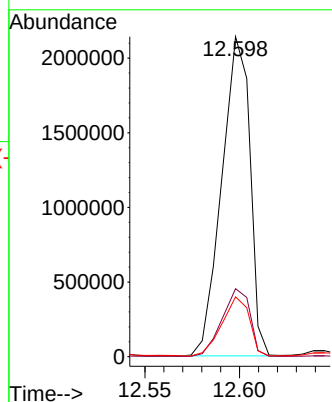
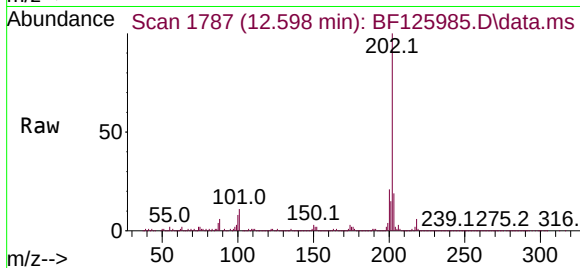




#78
Pyrene
Concen: 68.344 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.224 min
Lab File: BF125985.D
Acq: 28 Oct 2021 13:08

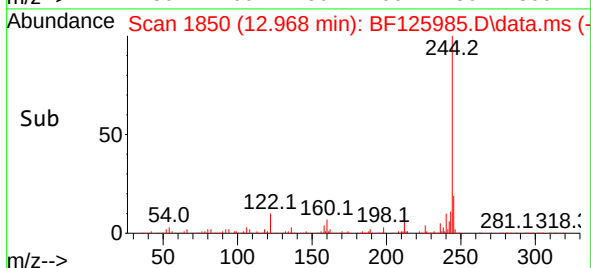
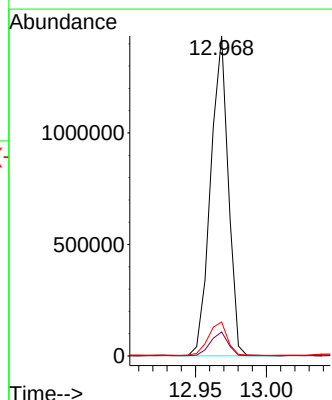
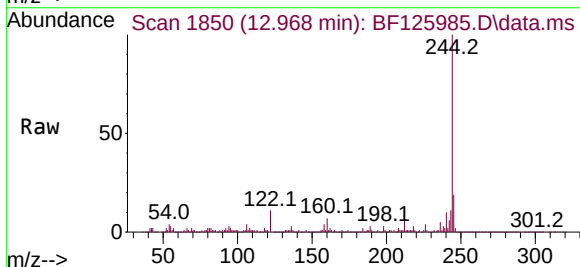
Instrument :
BNA_F
ClientSampled :
C3

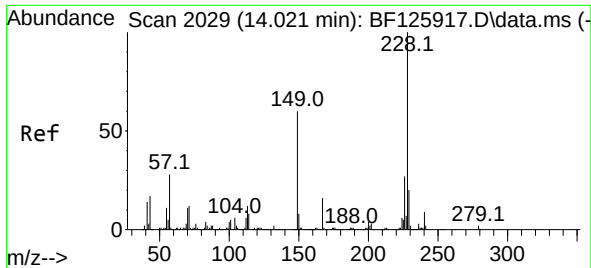
Tgt Ion:202 Resp: 2219870
Ion Ratio Lower Upper
202 100
200 21.3 15.3 22.9
203 18.7 13.4 20.0



#79
Terphenyl-d14
Concen: 57.962 ng
RT: 12.968 min Scan# 1850
Delta R.T. -0.000 min
Lab File: BF125985.D
Acq: 28 Oct 2021 13:08

Tgt Ion:244 Resp: 1236767
Ion Ratio Lower Upper
244 100
212 7.5 5.9 8.9
122 10.6 9.0 13.4

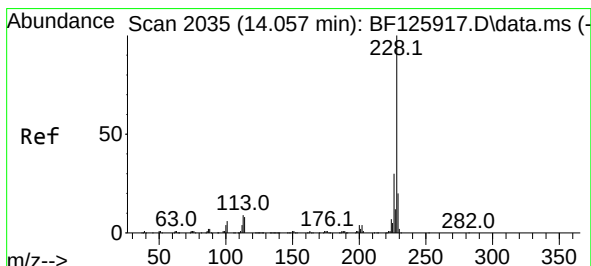
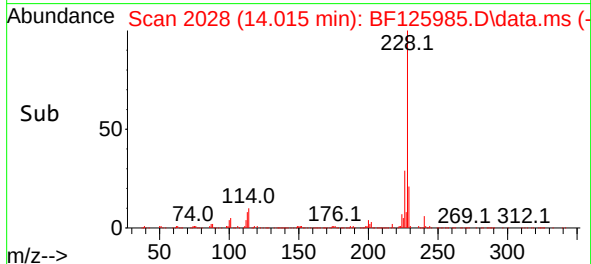
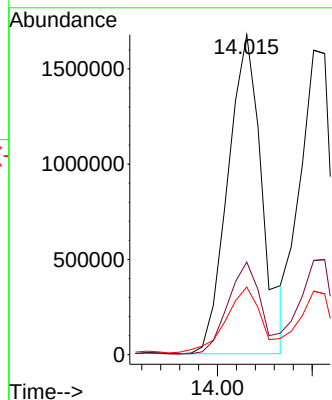
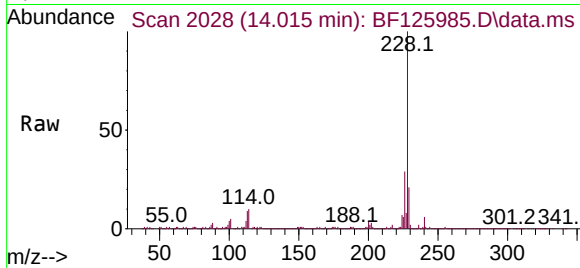




#81
Benzo(a)anthracene
Concen: 89.210 ng
RT: 14.015 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF125985.D
Acq: 28 Oct 2021 13:08

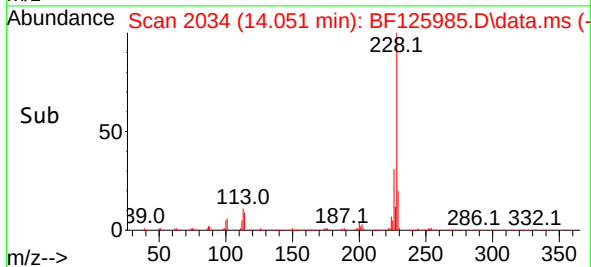
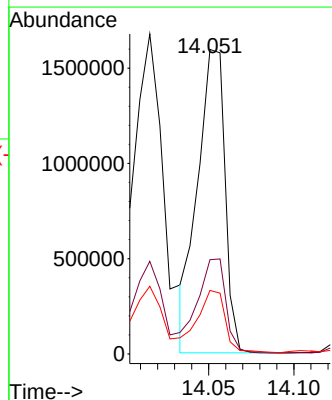
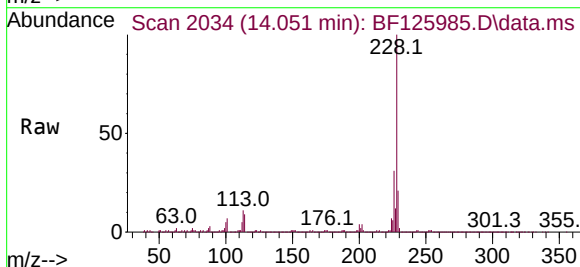
Instrument :
BNA_F
ClientSampled :
C3

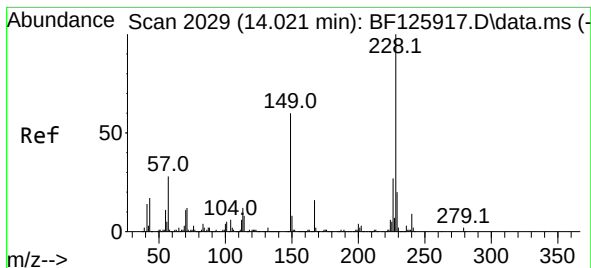
Tgt Ion:228 Resp: 2095639
Ion Ratio Lower Upper
228 100
226 29.0 21.6 32.4
229 21.2 15.6 23.4



#83
Chrysene
Concen: 75.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF125985.D
Acq: 28 Oct 2021 13:08

Tgt Ion:228 Resp: 1782559
Ion Ratio Lower Upper
228 100
226 30.9 22.6 34.0
229 20.9 15.9 23.9

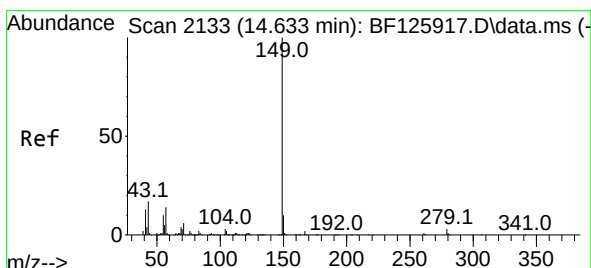
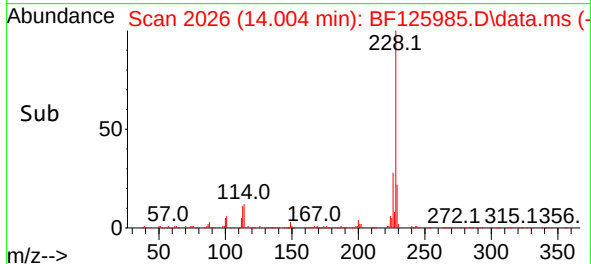
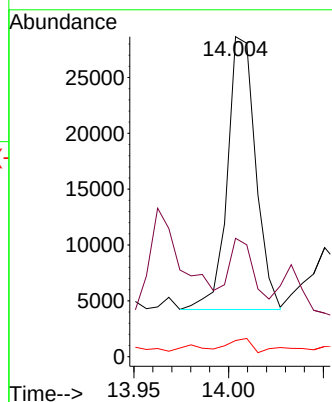
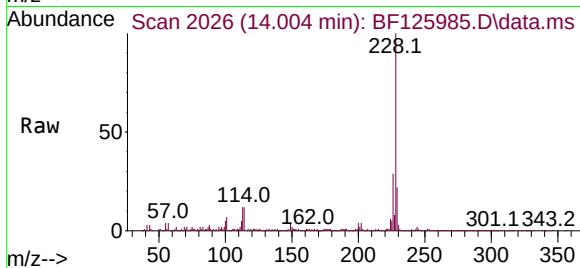




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.221 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF125985.D
Acq: 28 Oct 2021 13:08

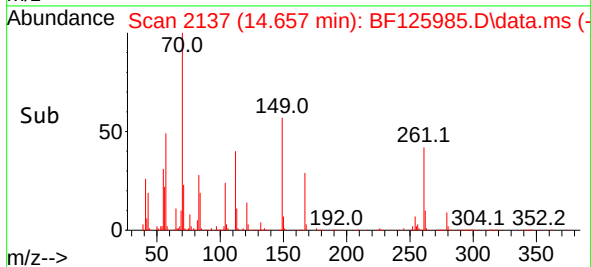
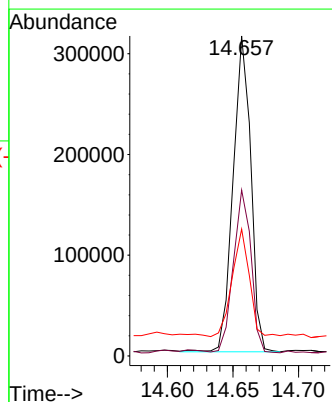
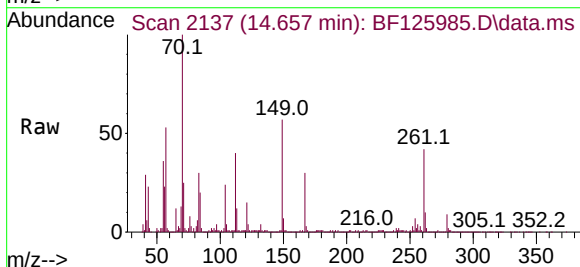
Instrument :
BNA_F
ClientSampled :
C3

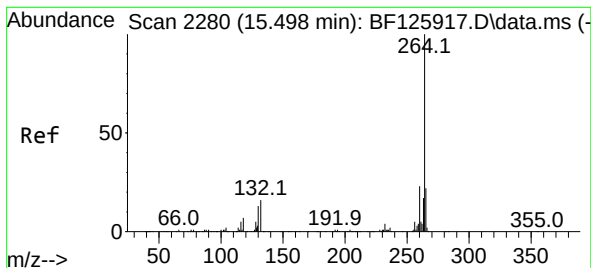
Tgt Ion:149 Resp: 25419
Ion Ratio Lower Upper
149 100
167 37.0 21.4 32.0#
279 5.1 2.6 4.0#



#85
Di-n-octyl phthalate
Concen: 16.628 ng
RT: 14.657 min Scan# 2137
Delta R.T. 0.041 min
Lab File: BF125985.D
Acq: 28 Oct 2021 13:08

Tgt Ion:149 Resp: 294872
Ion Ratio Lower Upper
149 100
167 51.4 1.0 1.6#
43 33.0 9.9 14.9#

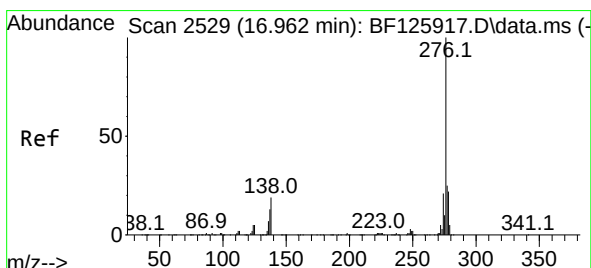
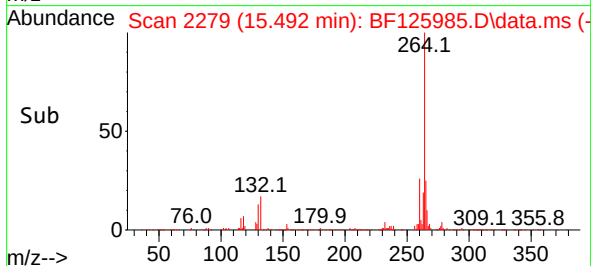
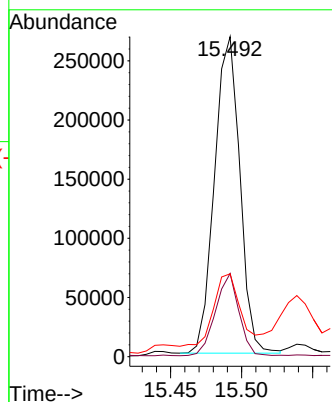
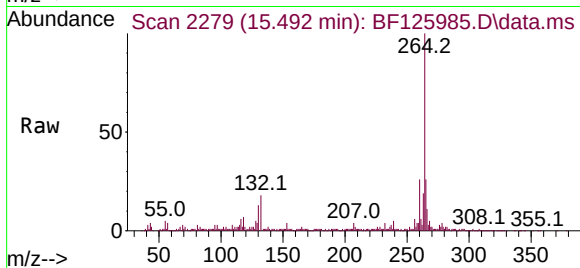




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2279
Delta R.T. 0.012 min
Lab File: BF125985.D
Acq: 28 Oct 2021 13:08

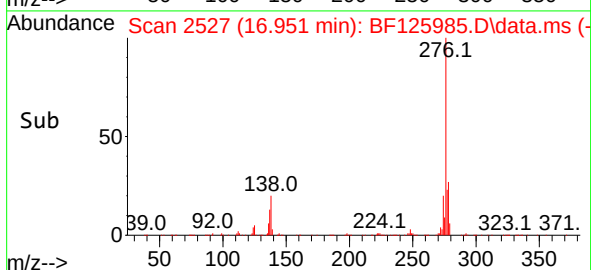
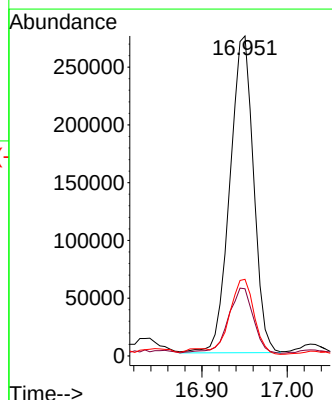
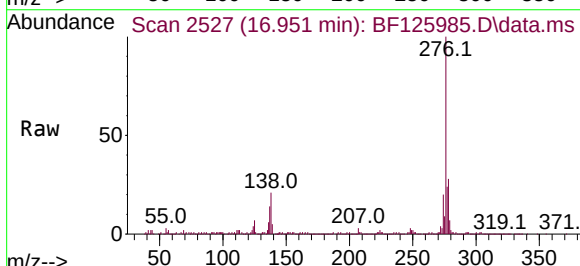
Instrument :
BNA_F
ClientSampled :
C3

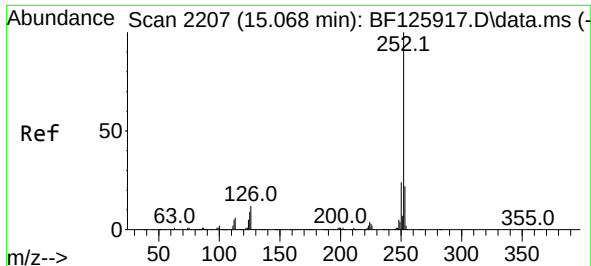
Tgt Ion:264 Resp: 331470
Ion Ratio Lower Upper
264 100
260 26.0 19.6 29.4
265 25.9 17.2 25.8#



#87
Indeno(1,2,3-cd)pyrene
Concen: 22.215 ng
RT: 16.951 min Scan# 2527
Delta R.T. 0.006 min
Lab File: BF125985.D
Acq: 28 Oct 2021 13:08

Tgt Ion:276 Resp: 530489
Ion Ratio Lower Upper
276 100
138 21.7 24.1 36.1#
277 24.1 18.8 28.2

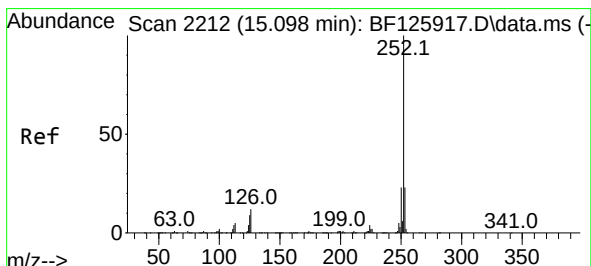
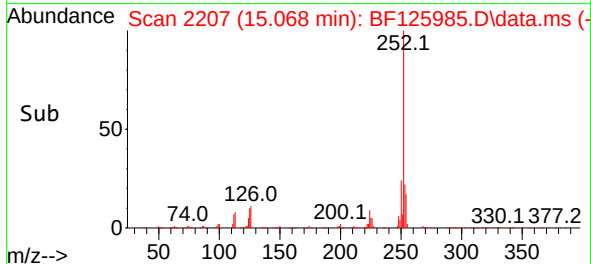
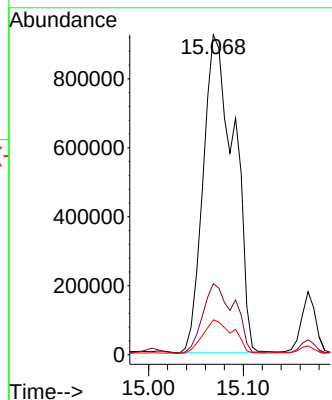
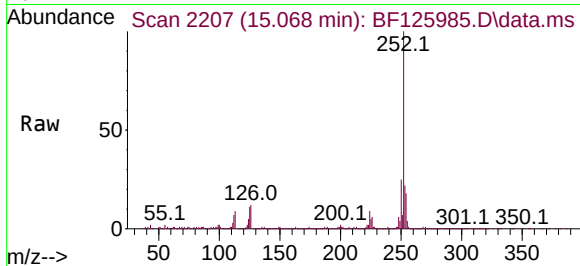




#88
Benzo(b)fluoranthene
Concen: 96.191 ng
RT: 15.068 min Scan# 2207
Delta R.T. 0.012 min
Lab File: BF125985.D
Acq: 28 Oct 2021 13:08

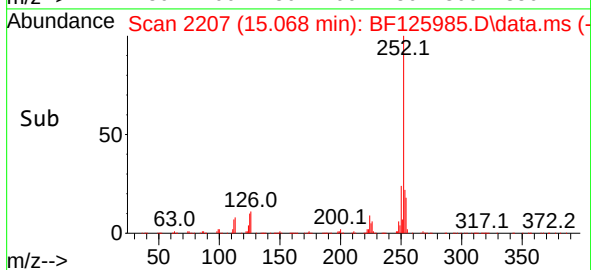
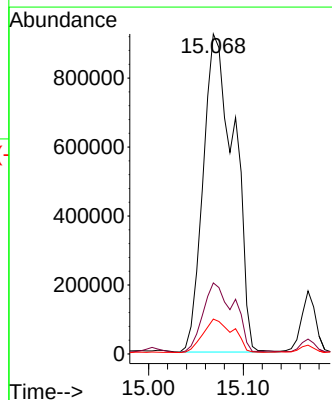
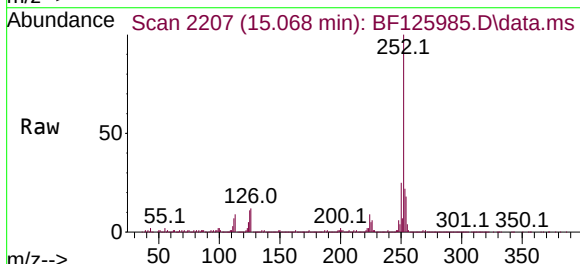
Instrument :
BNA_F
ClientSampled :
C3

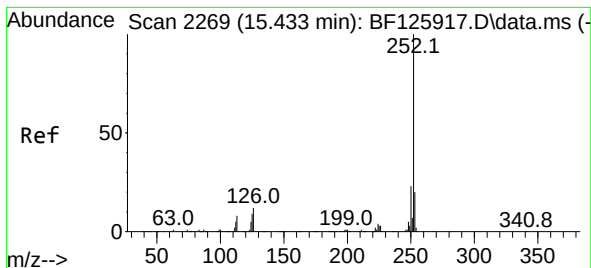
Tgt Ion:252 Resp: 2104573
Ion Ratio Lower Upper
252 100
253 22.2 16.8 25.2
125 10.9 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 100.142 ng
RT: 15.068 min Scan# 2207
Delta R.T. -0.018 min
Lab File: BF125985.D
Acq: 28 Oct 2021 13:08

Tgt Ion:252 Resp: 2104573
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 10.9 7.2 10.8#

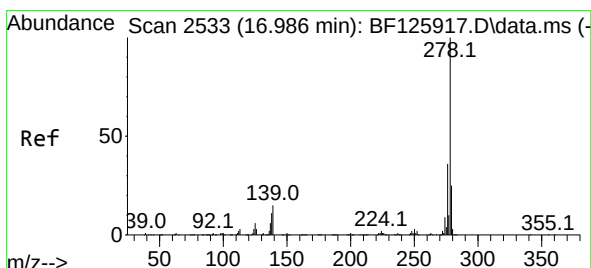
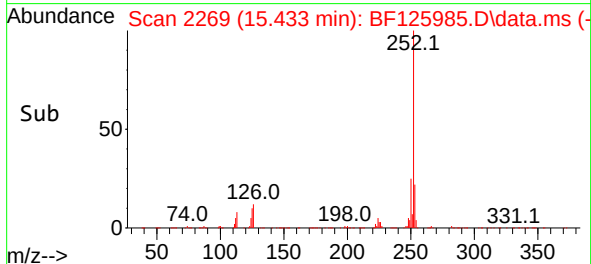
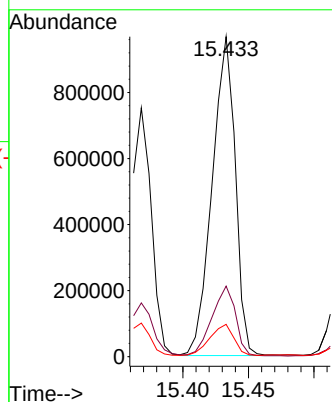
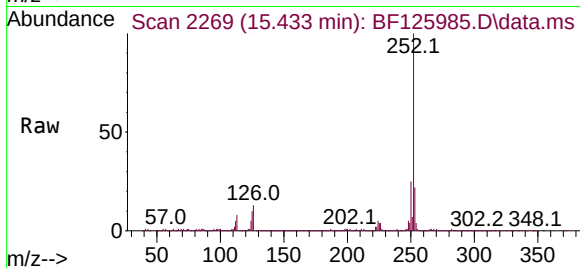




#90
Benzo(a)pyrene
Concen: 66.973 ng
RT: 15.433 min Scan# 2269
Delta R.T. 0.012 min
Lab File: BF125985.D
Acq: 28 Oct 2021 13:08

Instrument :
BNA_F
ClientSampled :
C3

Tgt Ion:252 Resp: 1182934
Ion Ratio Lower Upper
252 100
253 22.1 18.4 27.6
125 10.1 9.9 14.9



#91
Dibenzo(a,h)anthracene
Concen: 3.336 ng
RT: 17.027 min Scan# 2540
Delta R.T. 0.065 min
Lab File: BF125985.D
Acq: 28 Oct 2021 13:08

Tgt Ion:278 Resp: 64539
Ion Ratio Lower Upper
278 100
139 21.7 14.9 22.3
279 25.7 19.7 29.5

