

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
 Data File : BF125983.D
 Acq On : 28 Oct 2021 11:30
 Operator : JU/CG
 Sample : M4358-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TH-FD

Quant Time: Oct 28 15:21:15 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)

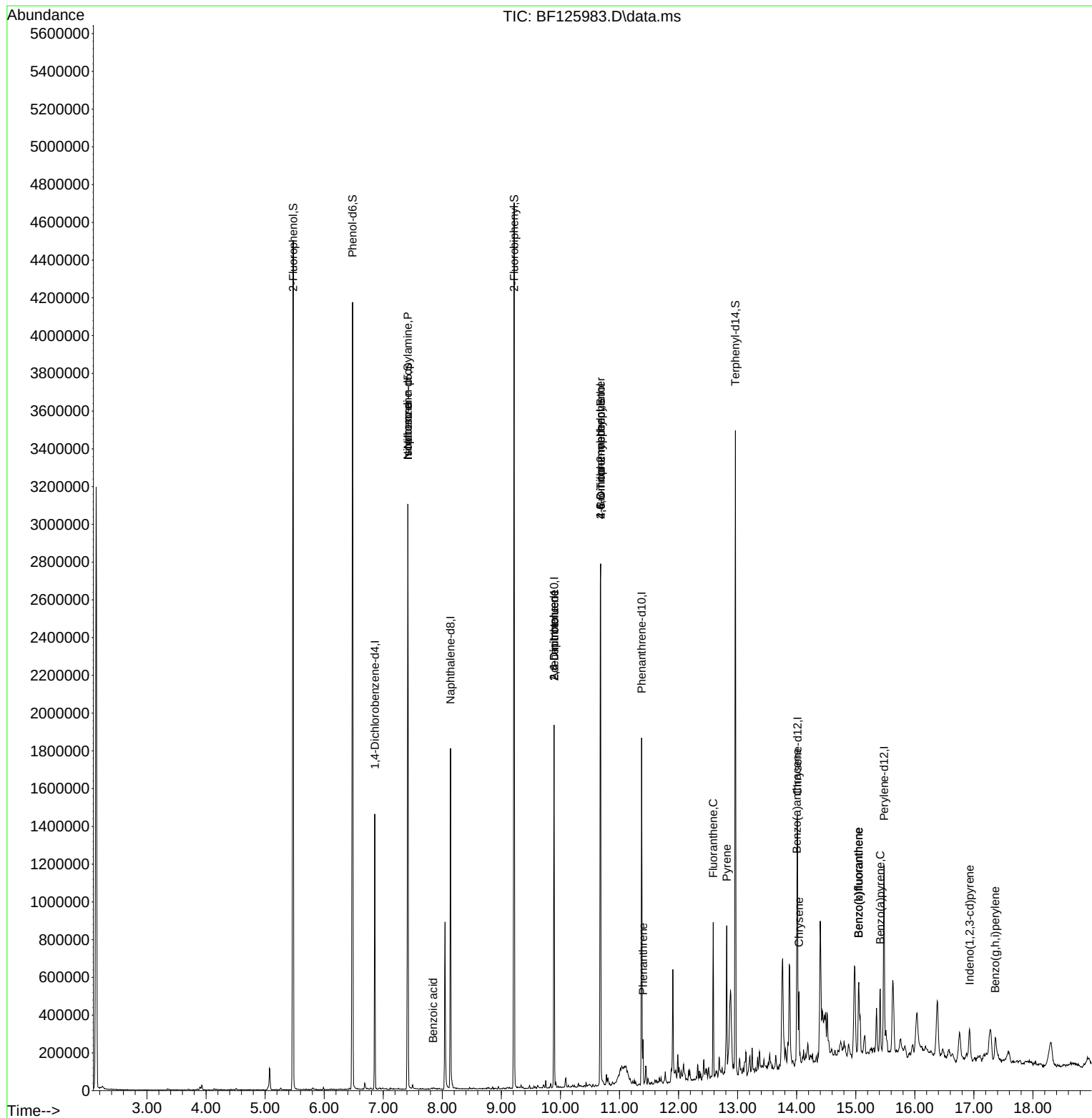
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	170049	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	675652	20.000	ng	# 0.00
39) Acenaphthene-d10	9.892	164	358166	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	608541	20.000	ng	# 0.00
76) Chrysene-d12	14.016	240	410613	20.000	ng	# 0.00
86) Perylene-d12	15.480	264	436069	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	1115431	97.705	ng	0.00
7) Phenol-d6	6.481	99	1420786	90.736	ng	0.00
23) Nitrobenzene-d5	7.416	82	930377	71.127	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	309211	99.033	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	1336554	65.992	ng	0.00
79) Terphenyl-d14	12.963	244	1080281	43.034	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	124192	13.882	ng	# 64
25) Isophorone	7.416	82	926260	37.184	ng	# 59
32) Benzoic acid	7.845	122	136	4.188	ng	# 47
51) 2,6-Dinitrotoluene	9.892	165	47281	10.804	ng	# 28
57) 2,4-Dinitrotoluene	9.892	165	47281	8.796	ng	# 20
58) Fluorene	10.439	166	5999	Below Cal		86
65) 4,6-Dinitro-2-methylph...	10.680	198	478	6.222	ng	# 1
67) 4-Bromophenyl-phenylether	10.680	248	21250	3.269	ng	# 1
71) Phenanthrene	11.398	178	74421	2.357	ng	97
75) Fluoranthene	12.586	202	288231	9.055	ng	98
78) Pyrene	12.816	202	294920	7.718	ng	98
81) Benzo(a)anthracene	14.004	228	156084	5.648	ng	93
83) Chrysene	14.039	228	152613	5.458	ng	99
87) Indeno(1,2,3-cd)pyrene	16.927	276	99573	3.170	ng	# 93
88) Benzo(b)fluoranthene	15.051	252	292041	10.146	ng	97
89) Benzo(k)fluoranthene	15.051	252	292041	10.563	ng	# 97
90) Benzo(a)pyrene	15.415	252	165946	7.142	ng	98
92) Benzo(g,h,i)perylene	17.362	276	93827	3.529	ng	96

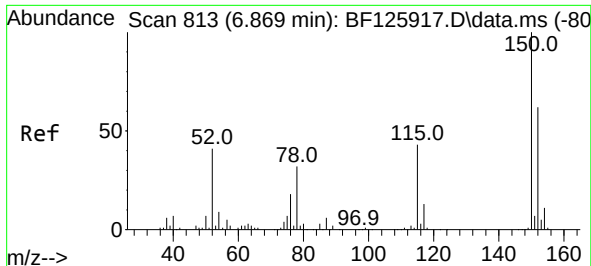
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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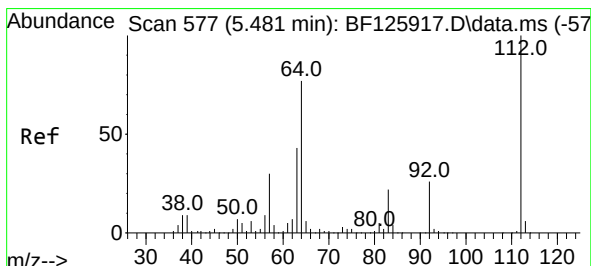
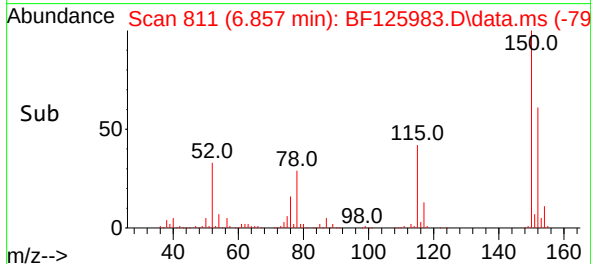
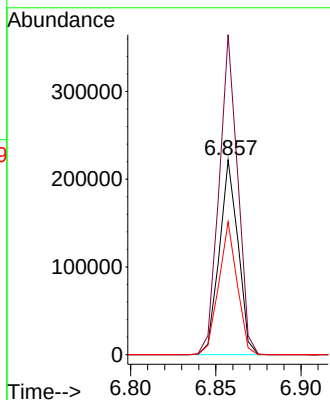
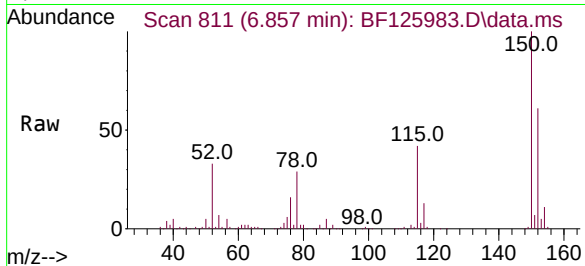




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

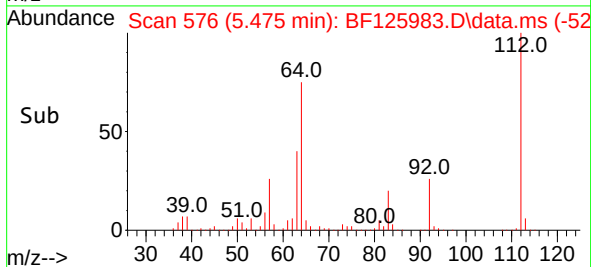
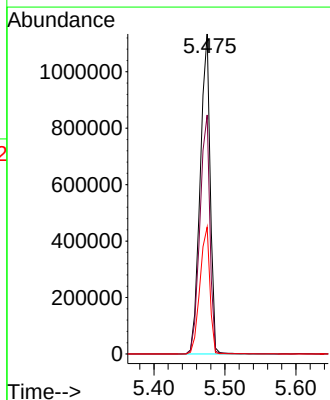
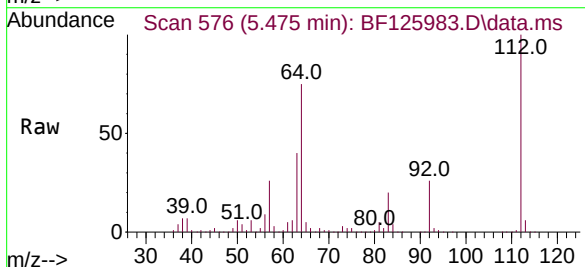
Instrument :
BNA_F
ClientSampleId :
TH-FD

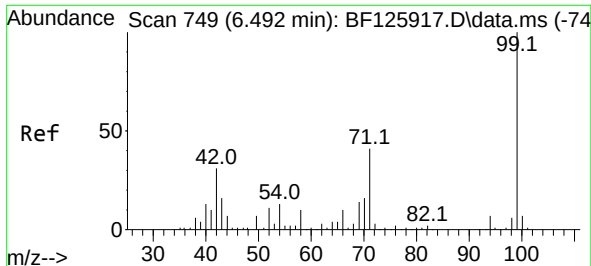
Tgt Ion:152 Resp: 170049
Ion Ratio Lower Upper
152 100
150 164.1 117.6 176.4
115 68.2 47.1 70.7



#5
2-Fluorophenol
Concen: 97.705 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.000 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

Tgt Ion:112 Resp: 1115431
Ion Ratio Lower Upper
112 100
64 74.7 44.2 66.2#
63 39.7 26.2 39.2#

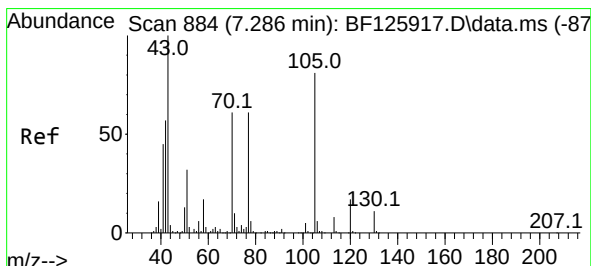
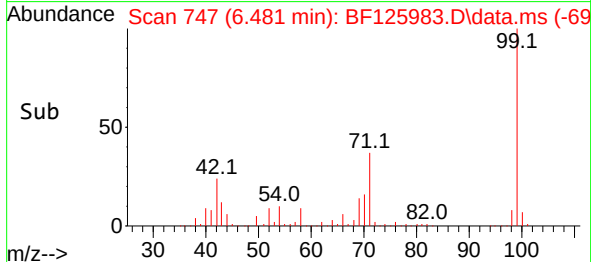
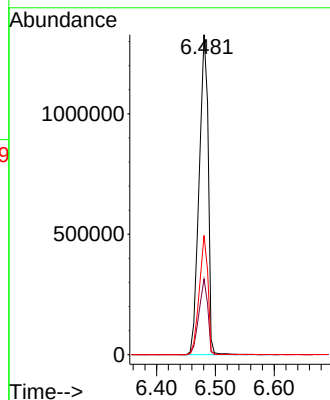
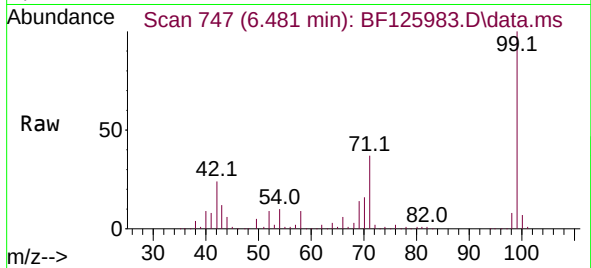




#7
Phenol-d6
Concen: 90.736 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

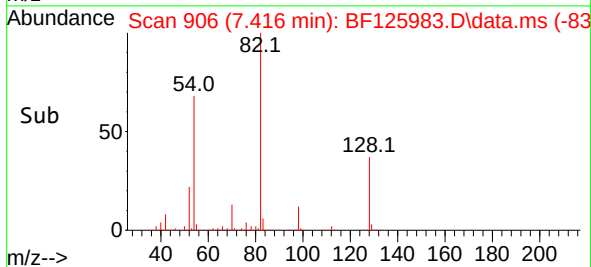
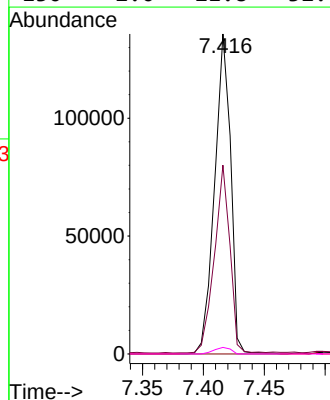
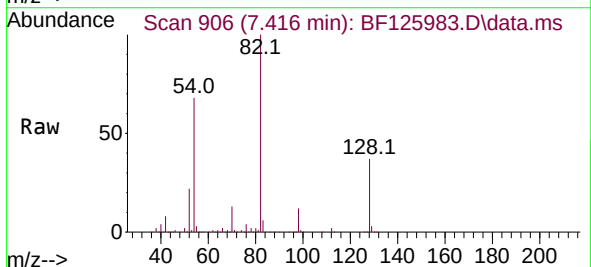
Instrument :
BNA_F
ClientSampleId :
TH-FD

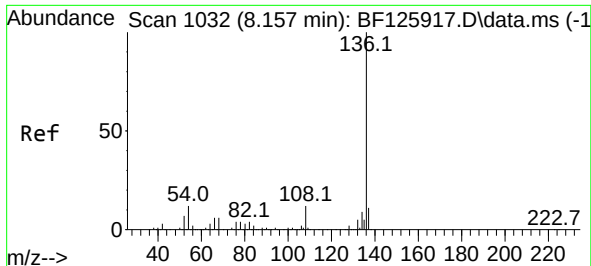
Tgt Ion: 99 Resp: 1420786
Ion Ratio Lower Upper
99 100
42 23.7 23.5 35.3
71 37.2 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 13.882 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.135 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

Tgt Ion: 70 Resp: 124192
Ion Ratio Lower Upper
70 100
42 59.0 72.2 108.2#
101 0.0 7.8 11.8#
130 2.0 21.8 32.6#

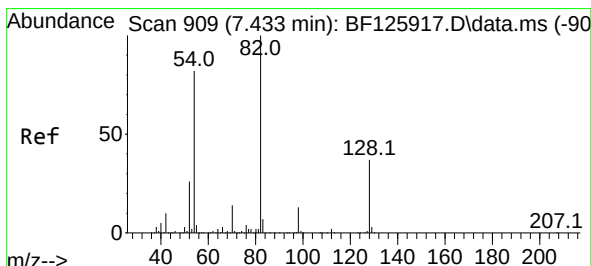
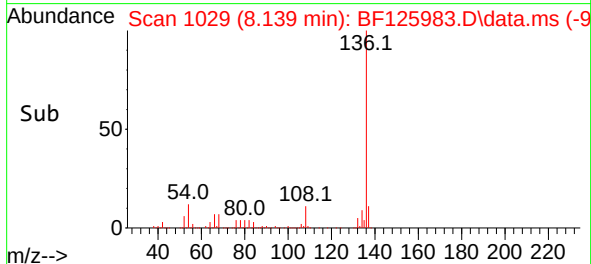
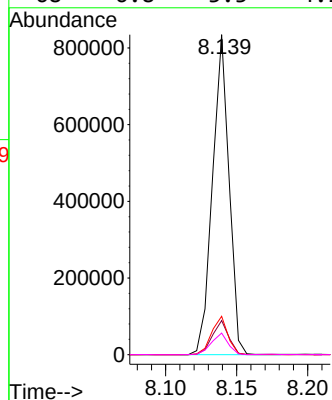
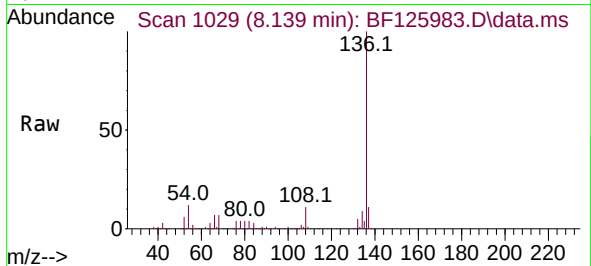




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

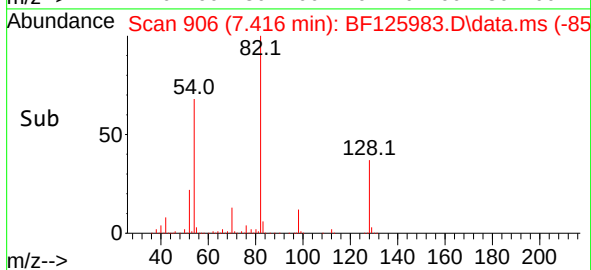
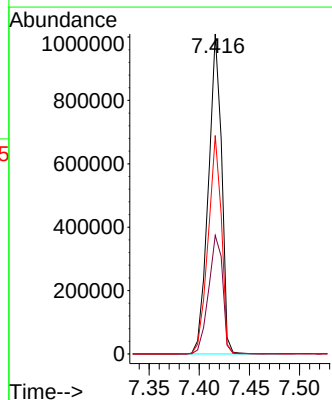
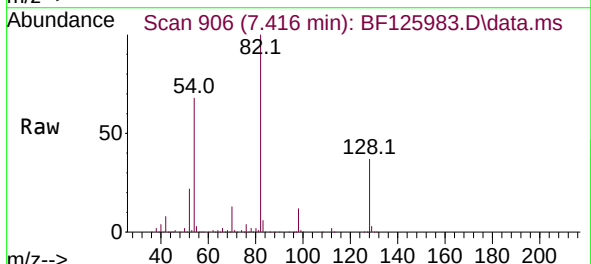
Instrument :
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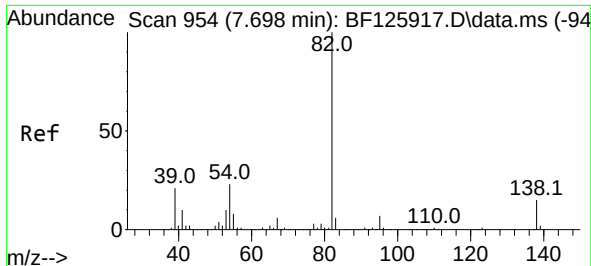
Tgt Ion:	136	Resp:	675652
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.8	14.6
54	12.0	6.4	9.6#
68	6.8	3.3	4.9#



#23
Nitrobenzene-d5
Concen: 71.127 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

Tgt Ion:	82	Resp:	930377
Ion	Ratio	Lower	Upper
82	100		
128	37.1	40.6	60.8#
54	68.2	49.6	74.4

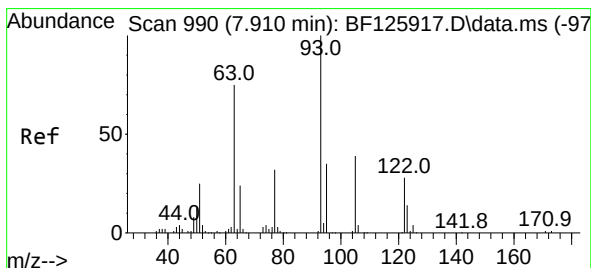
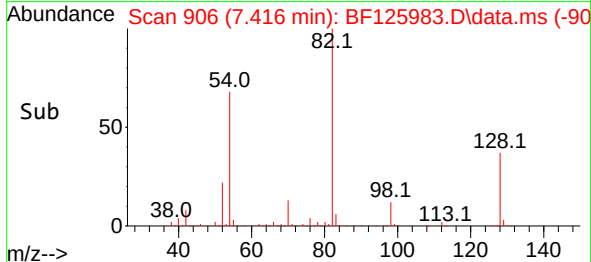
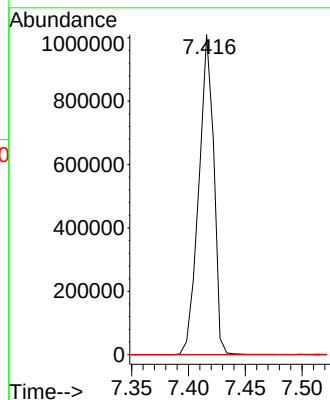
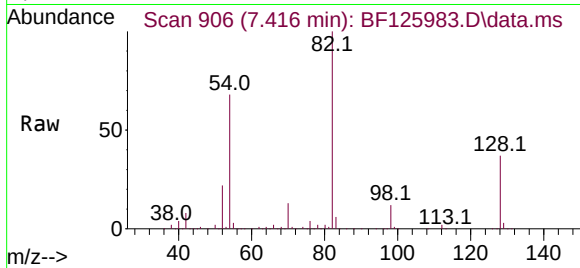




#25
Isophorone
Concen: 37.184 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.271 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

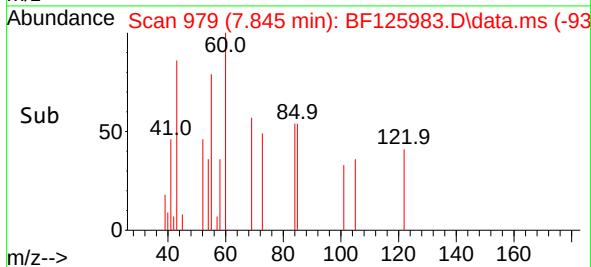
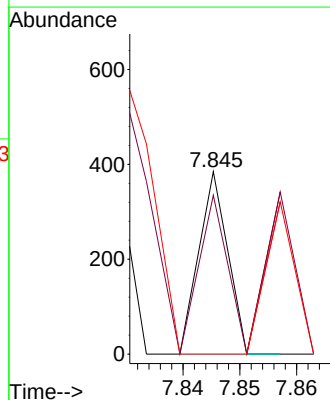
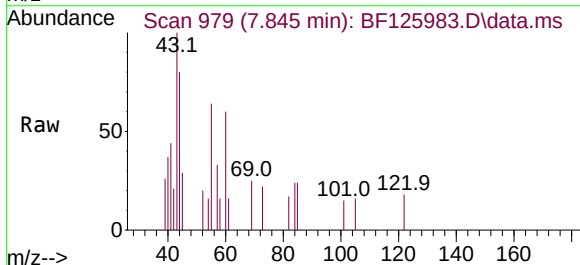
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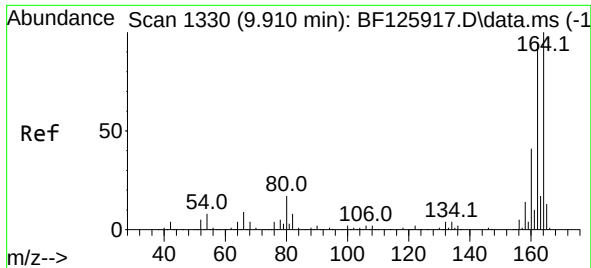
Tgt Ion: 82 Resp: 926260
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#32
Benzoic acid
Concen: 4.188 ng
RT: 7.845 min Scan# 979
Delta R.T. -0.065 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

Tgt Ion: 122 Resp: 136
Ion Ratio Lower Upper
122 100
105 87.0 97.6 137.6#
77 0.0 59.6 99.6#

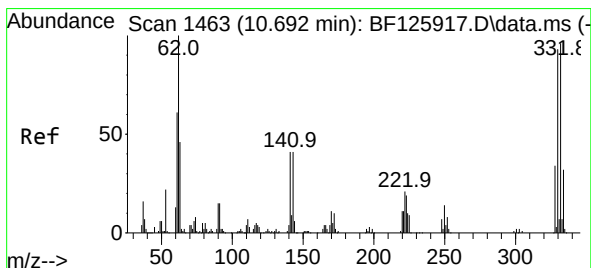
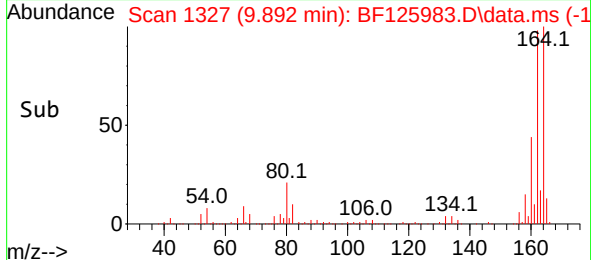
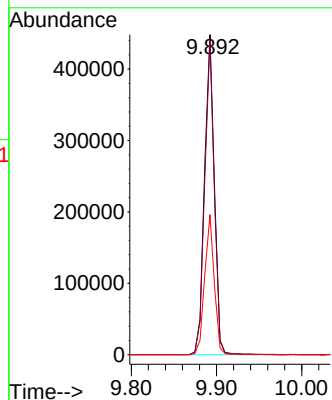
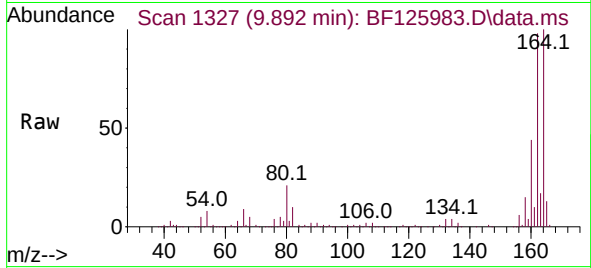




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

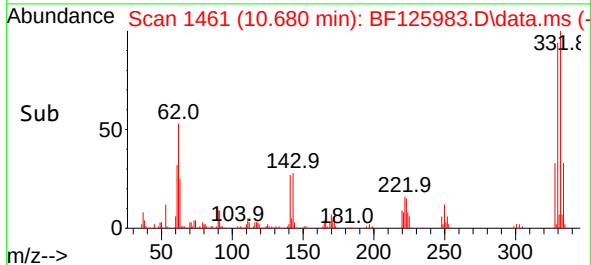
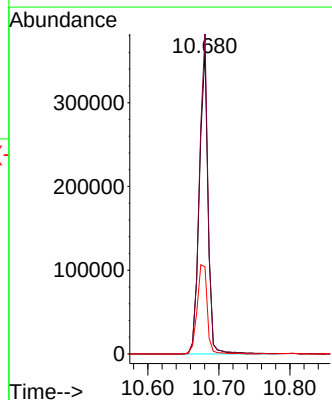
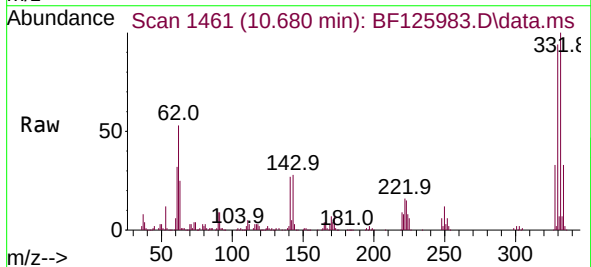
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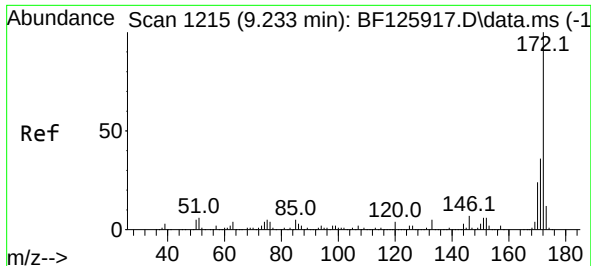
Tgt Ion:164 Resp: 358166
Ion Ratio Lower Upper
164 100
162 98.5 81.3 121.9
160 43.8 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 99.033 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

Tgt Ion:330 Resp: 309211
Ion Ratio Lower Upper
330 100
332 104.2 76.2 114.4
141 34.1 44.6 66.8#

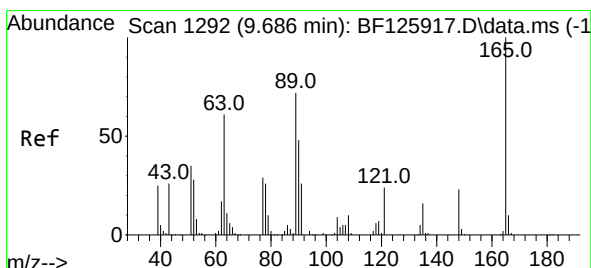
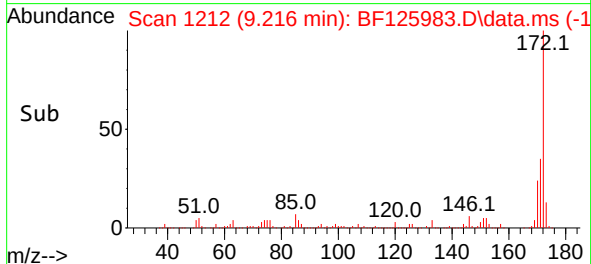
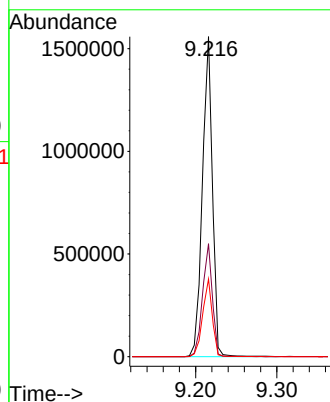
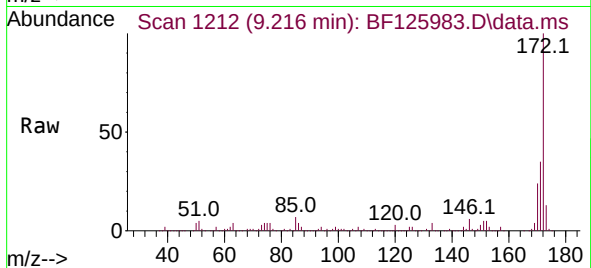




#45
2-Fluorobiphenyl
Concen: 65.992 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

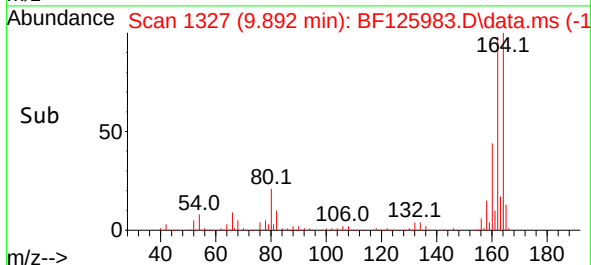
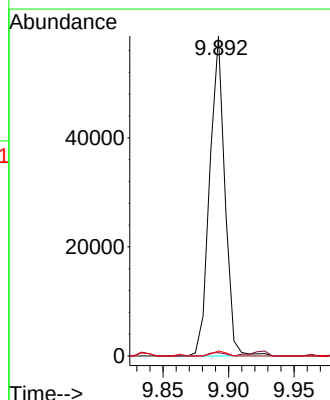
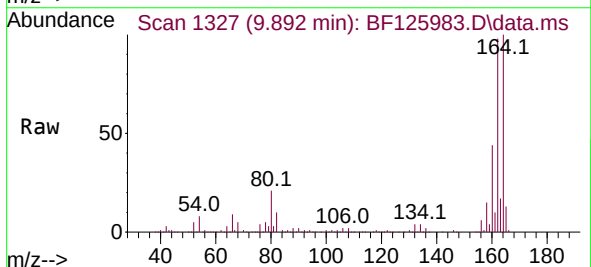
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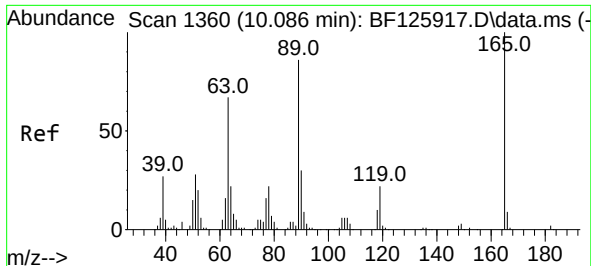
Tgt Ion:172 Resp: 1336554
Ion Ratio Lower Upper
172 100
171 35.3 26.5 39.7
170 24.2 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 10.804 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.212 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

Tgt Ion:165 Resp: 47281
Ion Ratio Lower Upper
165 100
63 1.0 42.6 63.8#
89 1.6 40.6 60.8#

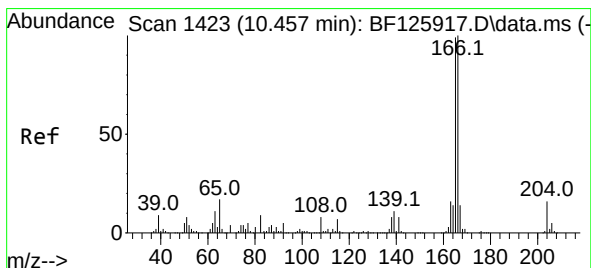
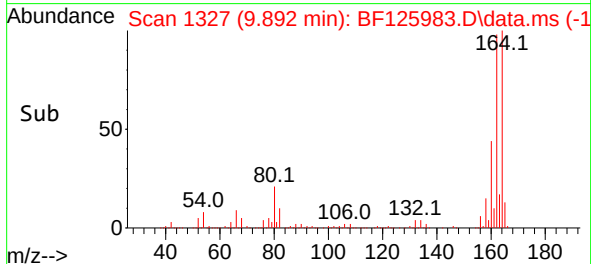
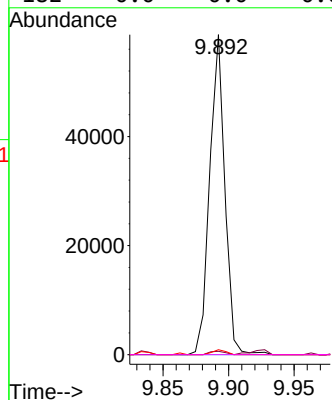
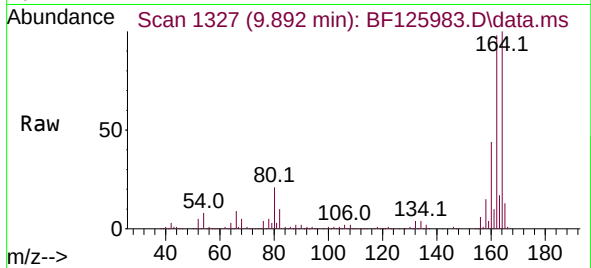




#57
2,4-Dinitrotoluene
Concen: 8.796 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.188 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

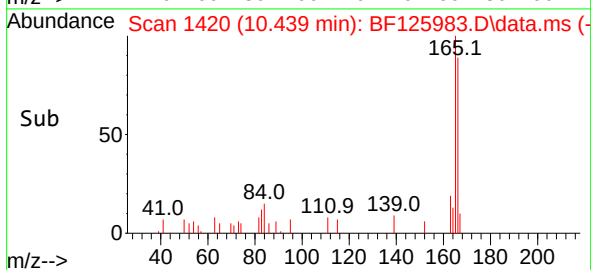
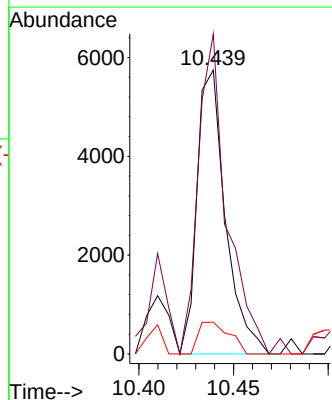
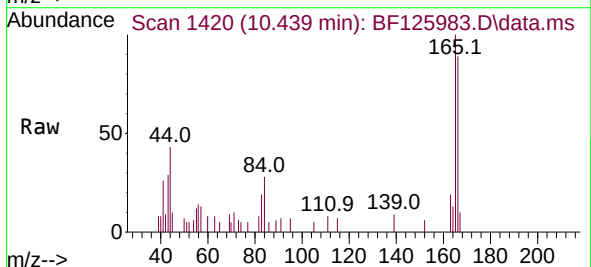
Instrument :
BNA_F
ClientSampleId :
TH-FD

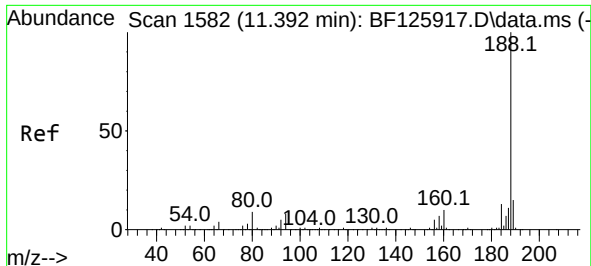
Tgt Ion:165	Resp:	47281
Ion Ratio	Lower	Upper
165	100	
63	1.0	40.9 61.3#
89	1.6	59.7 89.5#
182	0.0	0.0 0.0



#58
Fluorene
Concen: Below Cal
RT: 10.439 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

Tgt Ion:166	Resp:	5999
Ion Ratio	Lower	Upper
166	100	
165	112.7	78.1 117.1
167	11.2	11.1 16.7

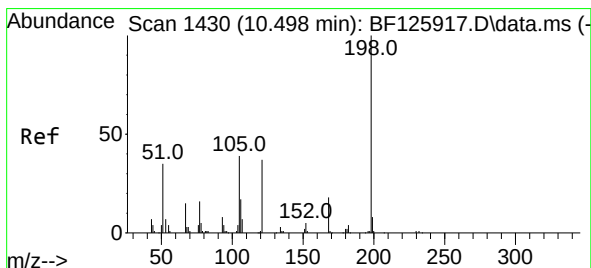
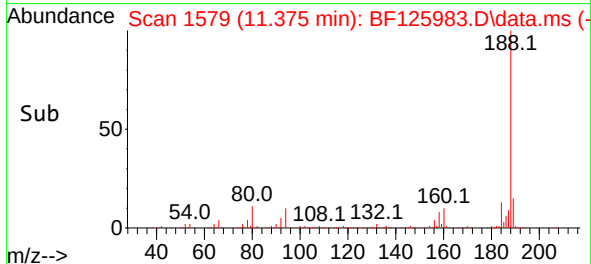
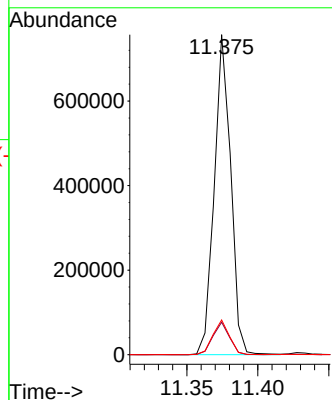
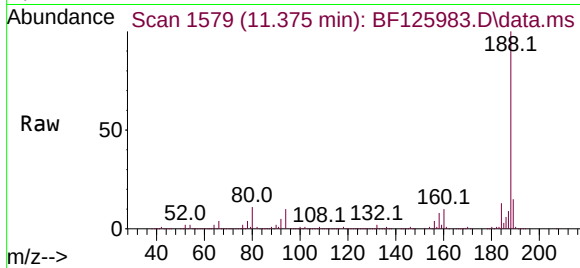




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

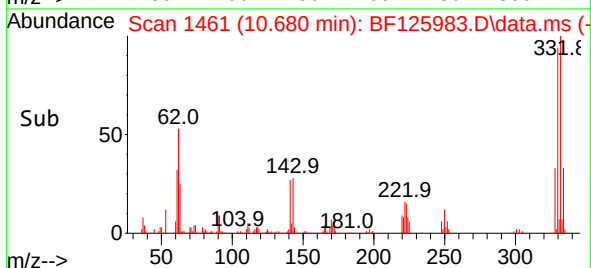
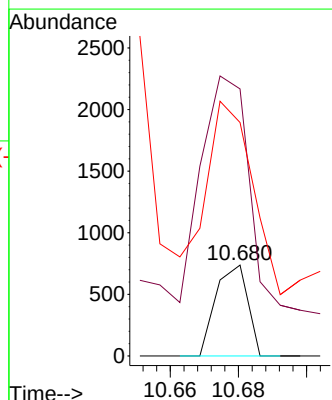
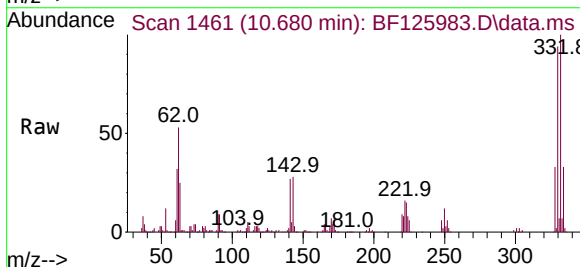
Instrument :
BNA_F
ClientSampleId :
TH-FD

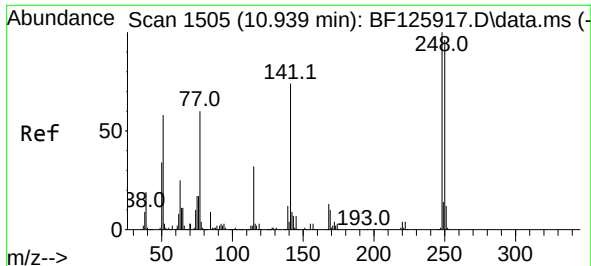
Tgt Ion:188 Resp: 608541
Ion Ratio Lower Upper
188 100
94 10.2 6.7 10.1#
80 10.8 7.5 11.3



#65
4,6-Dinitro-2-methylphenol
Concen: 6.222 ng
RT: 10.680 min Scan# 1461
Delta R.T. 0.194 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

Tgt Ion:198 Resp: 478
Ion Ratio Lower Upper
198 100
51 294.0 45.3 85.3#
105 257.1 30.6 70.6#

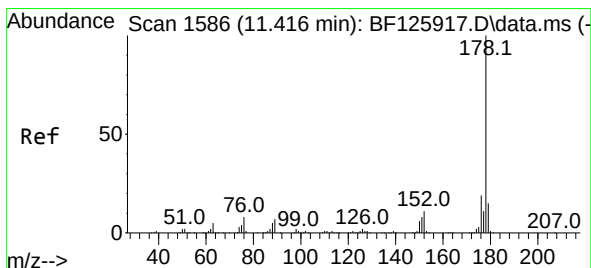
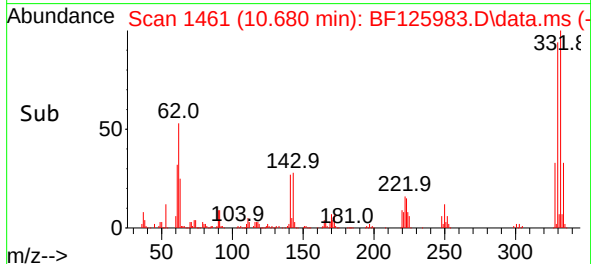
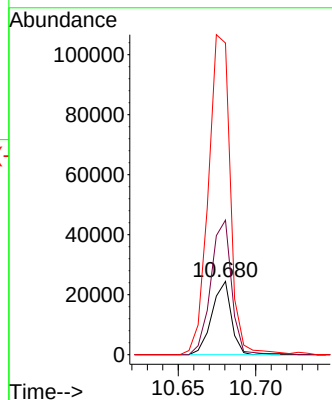
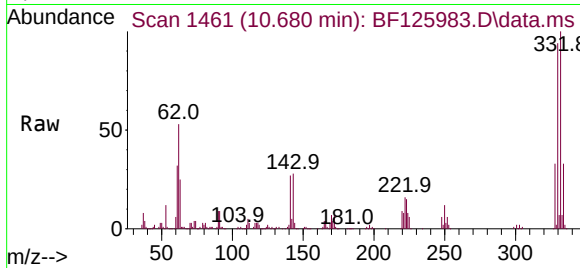




#67
4-Bromophenyl-phenylether
Concen: 3.269 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.247 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

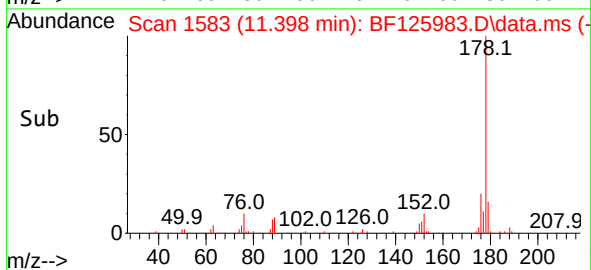
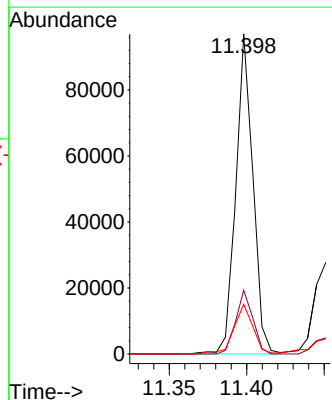
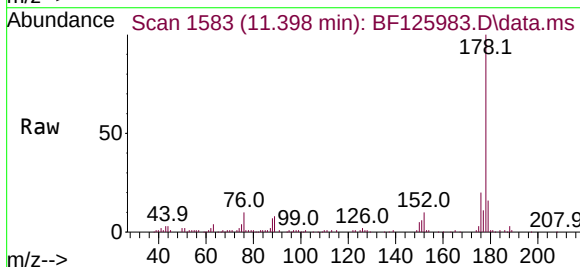
Instrument :
BNA_F
ClientSampleId :
TH-FD

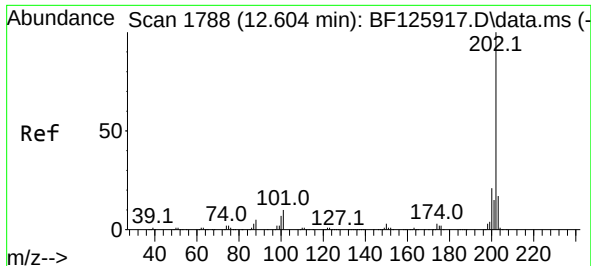
Tgt Ion:248 Resp: 21250
Ion Ratio Lower Upper
248 100
250 183.6 74.2 111.4#
141 425.4 60.4 90.6#



#71
Phenanthrene
Concen: 2.357 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

Tgt Ion:178 Resp: 74421
Ion Ratio Lower Upper
178 100
176 19.9 14.7 22.1
179 15.6 11.5 17.3

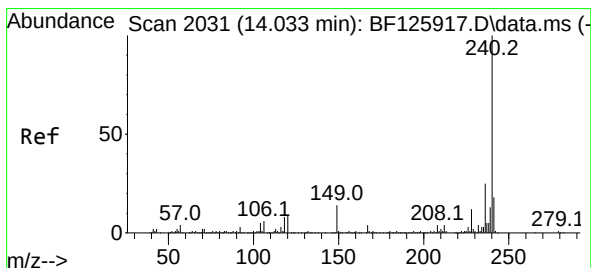
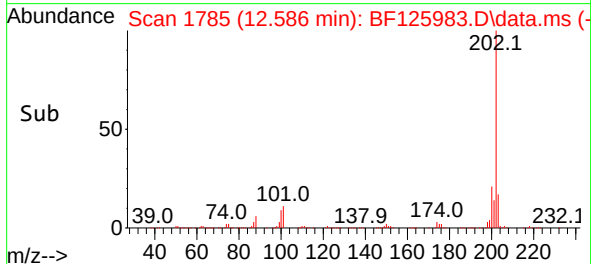
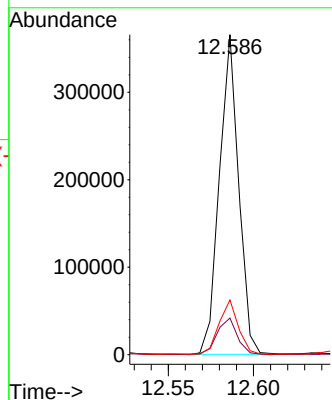
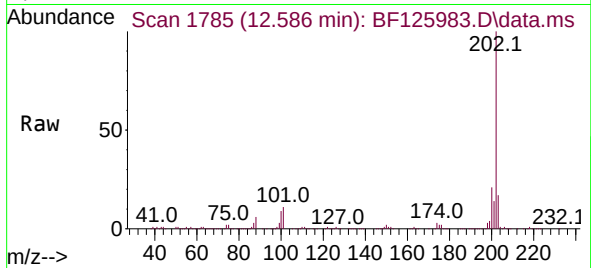




#75
Fluoranthene
Concen: 9.055 ng
RT: 12.586 min Scan# 1785
Delta R.T. -0.006 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

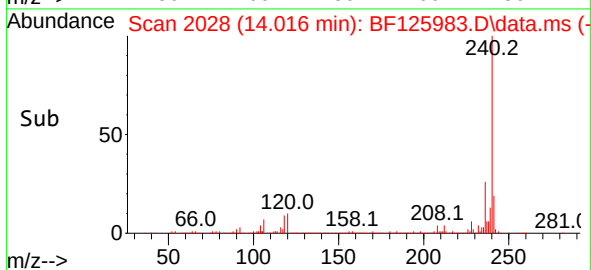
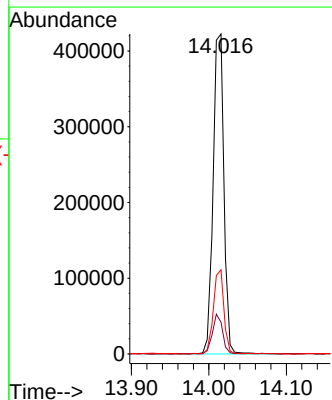
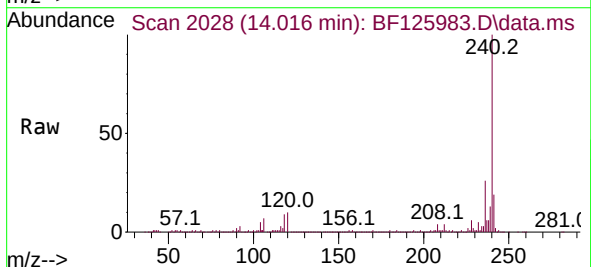
Instrument :
BNA_F
ClientSampleId :
TH-FD

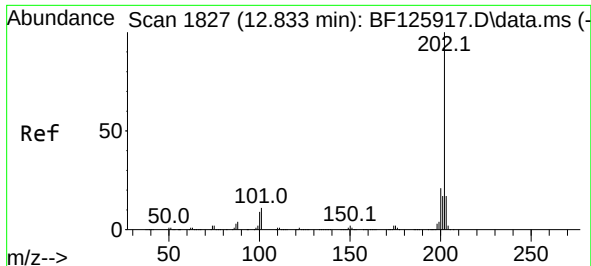
Tgt Ion:202 Resp: 288231
Ion Ratio Lower Upper
202 100
101 11.4 0.0 30.7
203 17.1 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

Tgt Ion:240 Resp: 410613
Ion Ratio Lower Upper
240 100
120 9.9 10.8 16.2#
236 26.3 21.6 32.4

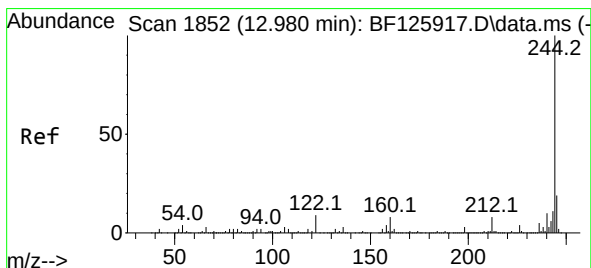
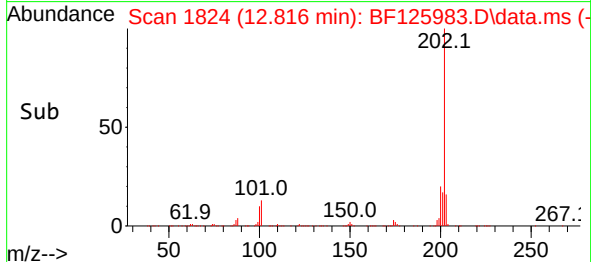
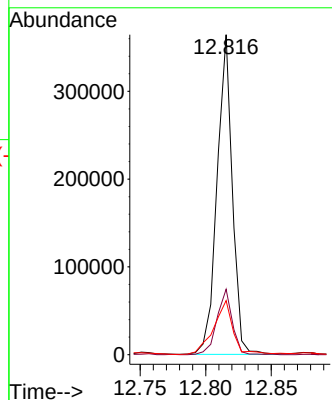
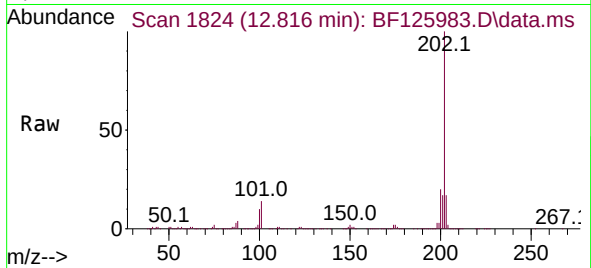




#78
Pyrene
Concen: 7.718 ng
RT: 12.816 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

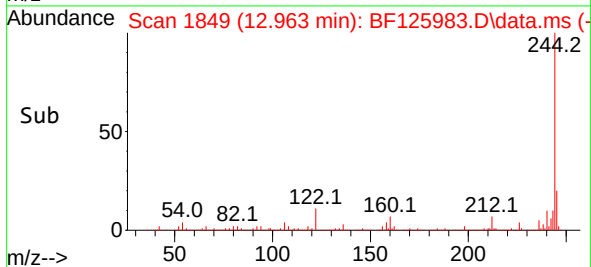
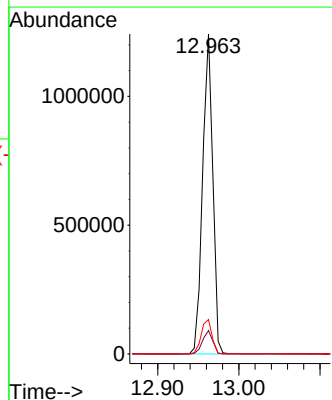
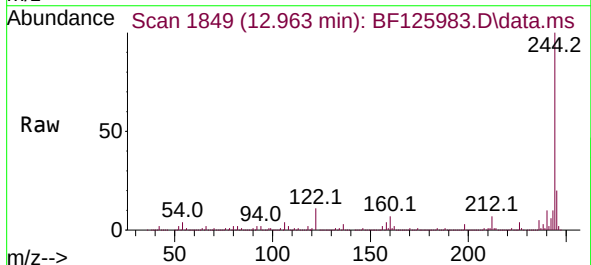
Instrument :
BNA_F
ClientSampleId :
TH-FD

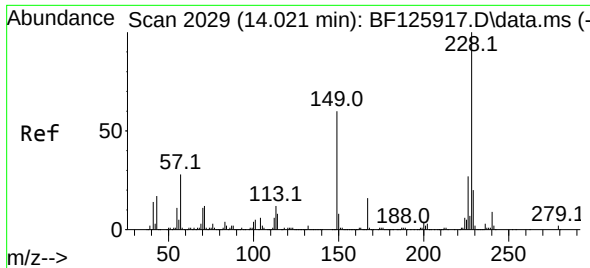
Tgt Ion:202 Resp: 294920
Ion Ratio Lower Upper
202 100
200 20.5 15.3 22.9
203 16.9 13.4 20.0



#79
Terphenyl-d14
Concen: 43.034 ng
RT: 12.963 min Scan# 1849
Delta R.T. -0.006 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

Tgt Ion:244 Resp: 1080281
Ion Ratio Lower Upper
244 100
212 7.3 5.9 8.9
122 10.8 9.0 13.4

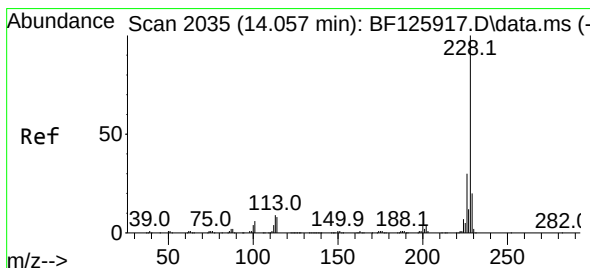
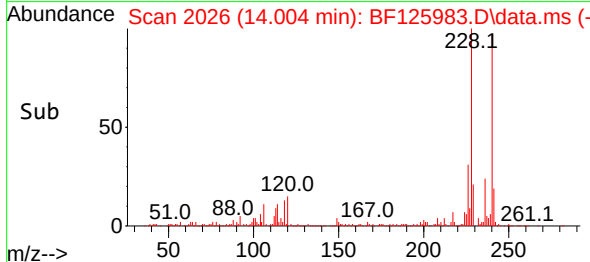
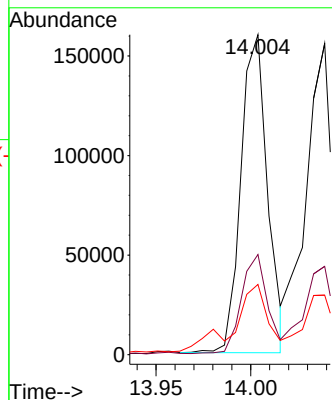
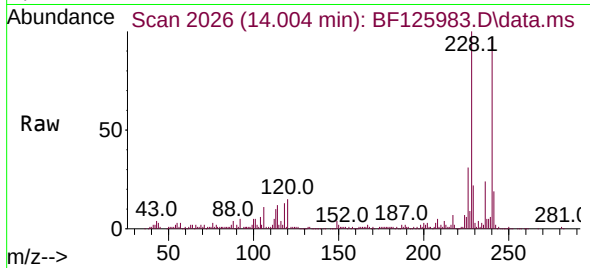




#81
Benzo(a)anthracene
Concen: 5.648 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

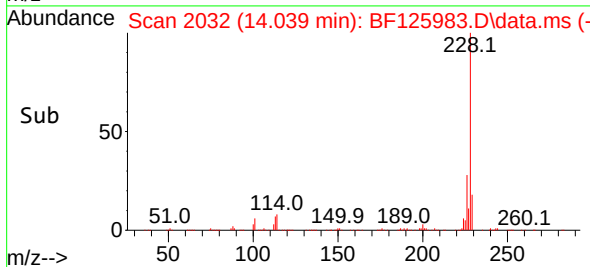
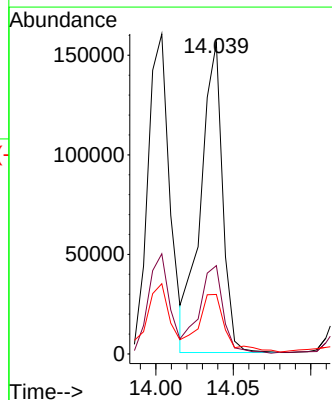
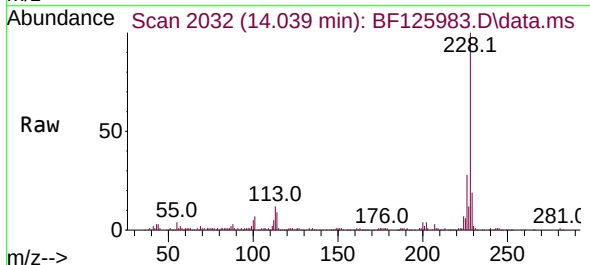
Instrument :
BNA_F
ClientSampleId :
TH-FD

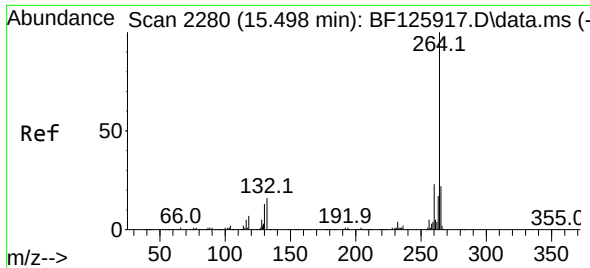
Tgt Ion:228 Resp: 156084
Ion Ratio Lower Upper
228 100
226 31.3 21.6 32.4
229 22.0 15.6 23.4



#83
Chrysene
Concen: 5.458 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

Tgt Ion:228 Resp: 152613
Ion Ratio Lower Upper
228 100
226 28.4 22.6 34.0
229 19.1 15.9 23.9

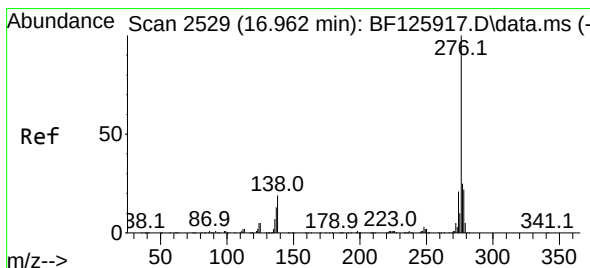
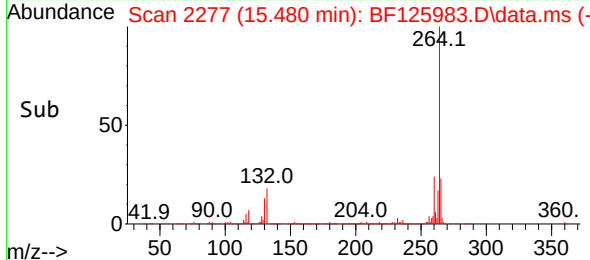
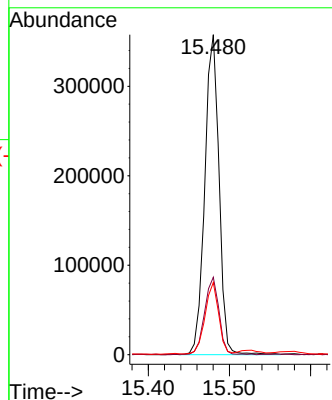
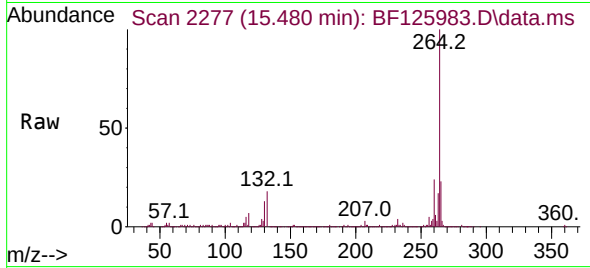




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2277
Delta R.T. -0.000 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

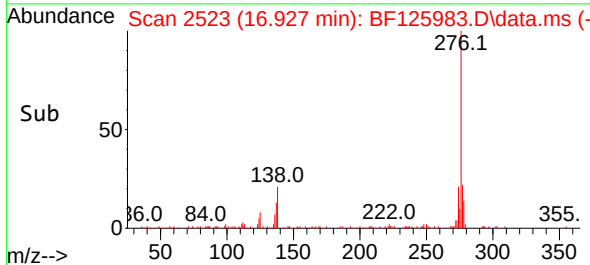
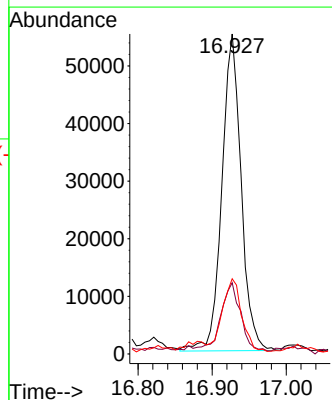
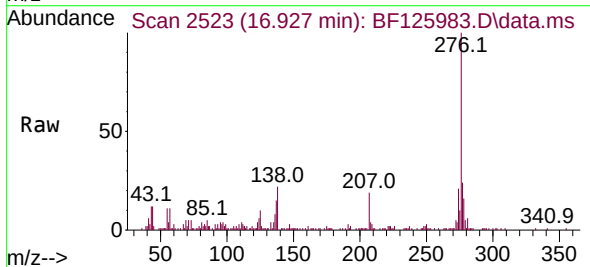
Instrument :
BNA_F
ClientSampleId :
TH-FD

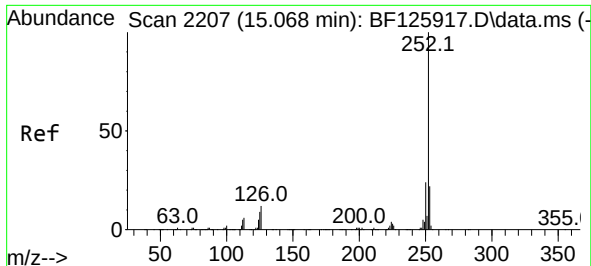
Tgt Ion:264 Resp: 436069
Ion Ratio Lower Upper
264 100
260 24.2 19.6 29.4
265 22.6 17.2 25.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.170 ng
RT: 16.927 min Scan# 2523
Delta R.T. -0.018 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

Tgt Ion:276 Resp: 99573
Ion Ratio Lower Upper
276 100
138 23.7 24.1 36.1#
277 24.4 18.8 28.2

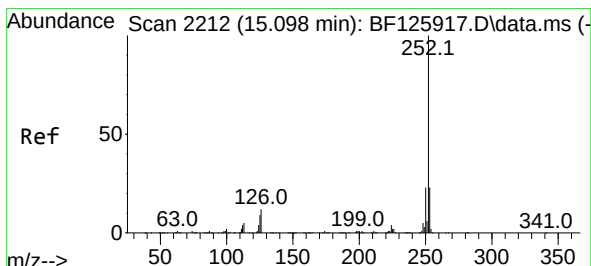
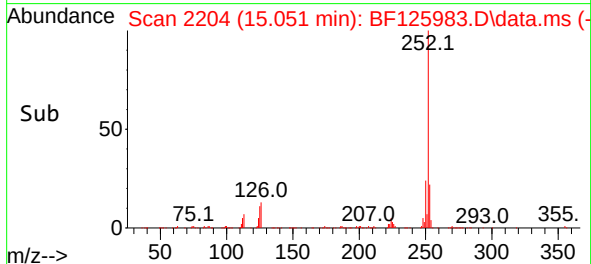
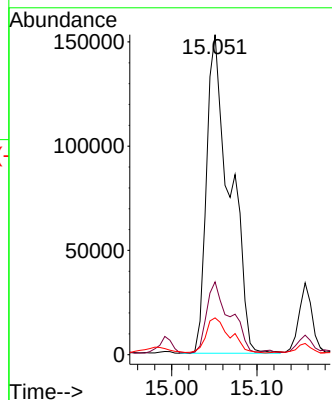
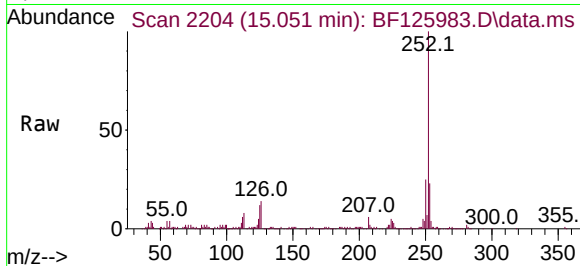




#88
Benzo(b)fluoranthene
Concen: 10.146 ng
RT: 15.051 min Scan# 2204
Delta R.T. -0.006 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

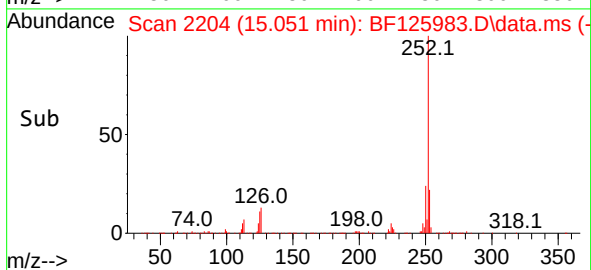
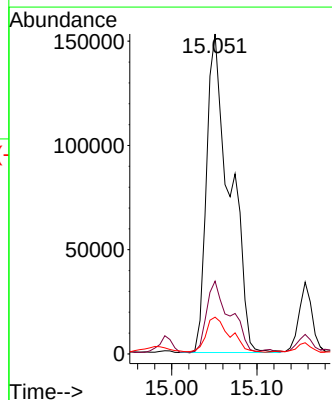
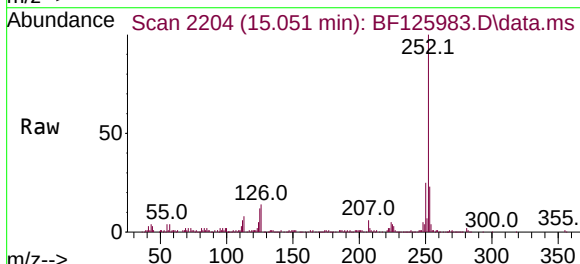
Instrument :
BNA_F
ClientSampled :
TH-FD

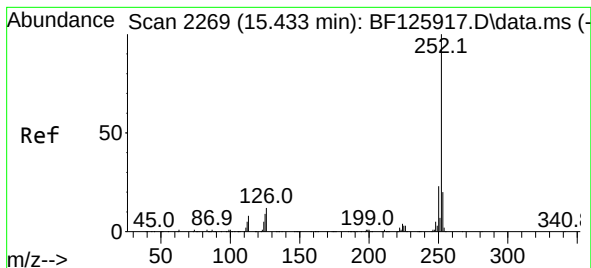
Tgt Ion:252 Resp: 292041
Ion Ratio Lower Upper
252 100
253 22.8 16.8 25.2
125 11.5 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 10.563 ng
RT: 15.051 min Scan# 2204
Delta R.T. -0.035 min
Lab File: BF125983.D
Acq: 28 Oct 2021 11:30

Tgt Ion:252 Resp: 292041
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 11.5 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 7.142 ng

RT: 15.415 min Scan# 2266

Delta R.T. -0.006 min

Lab File: BF125983.D

Acq: 28 Oct 2021 11:30

Instrument :

BNA_F

ClientSampleId :

TH-FD

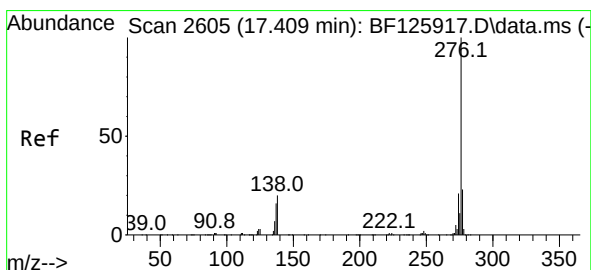
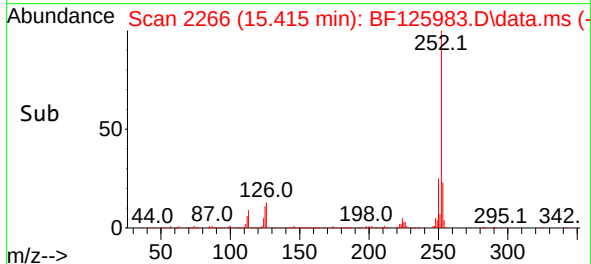
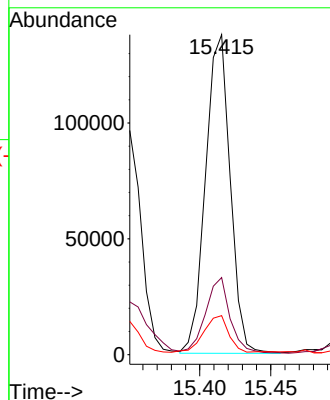
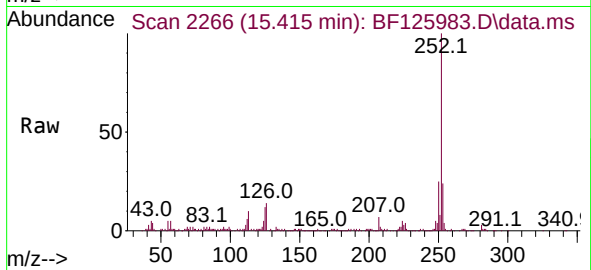
Tgt Ion:252 Resp: 165946

Ion Ratio Lower Upper

252 100

253 24.1 18.4 27.6

125 12.2 9.9 14.9



#92

Benzo(g,h,i)perylene

Concen: 3.529 ng

RT: 17.362 min Scan# 2597

Delta R.T. -0.024 min

Lab File: BF125983.D

Acq: 28 Oct 2021 11:30

Tgt Ion:276 Resp: 93827

Ion Ratio Lower Upper

276 100

277 26.3 22.0 33.0

138 24.4 22.2 33.4

