

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102721\
 Data File : BF125973.D
 Acq On : 27 Oct 2021 20:21
 Operator : JU/CG
 Sample : M4348-04RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 358

Quant Time: Oct 28 09:00:37 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 25 18:49:16 2021
 Response via : Initial Calibration

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

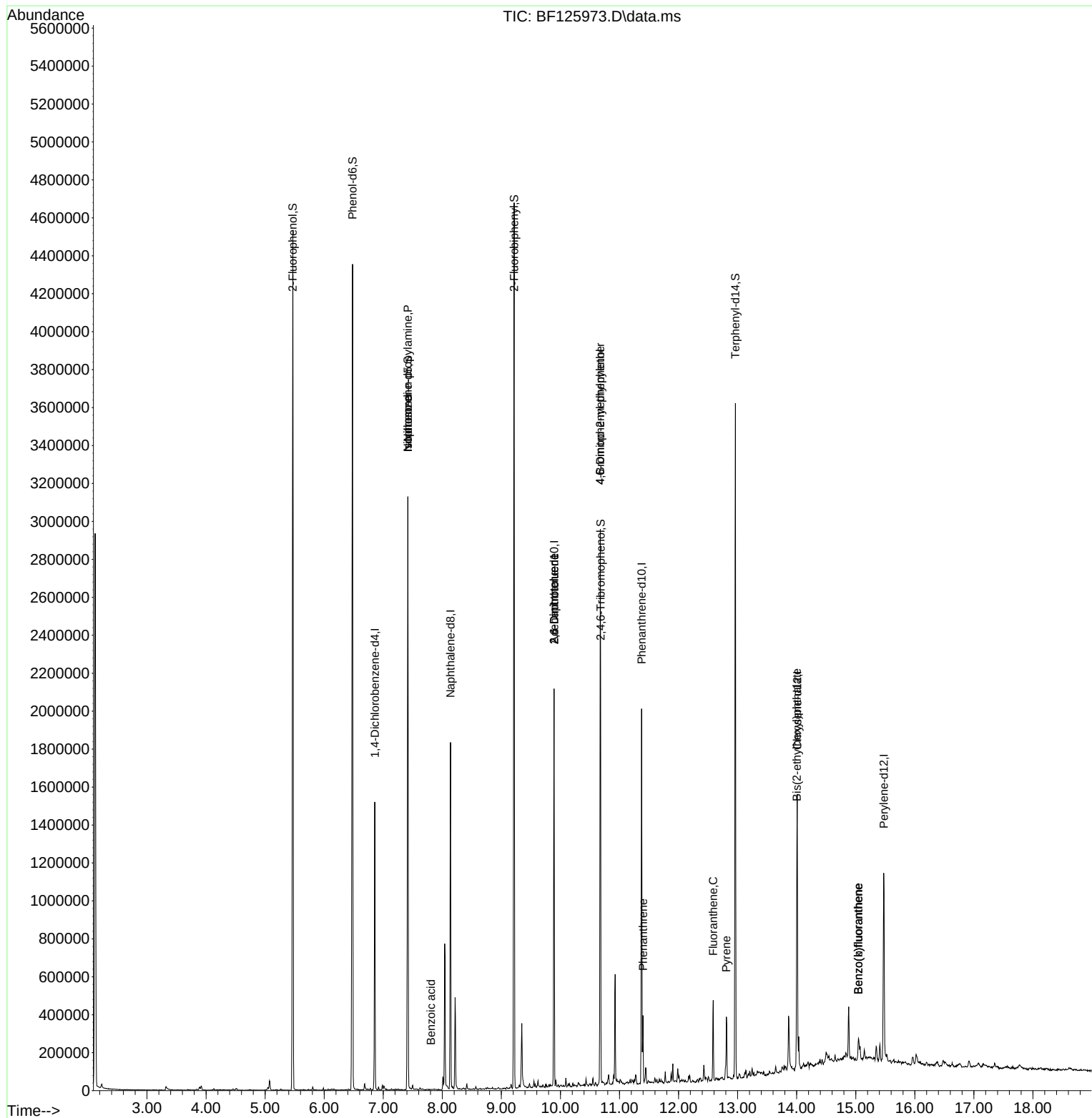
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	176201	20.000	ng	-0.01
21) Naphthalene-d8	8.139	136	709369	20.000	ng	#-0.02
39) Acenaphthene-d10	9.892	164	388622	20.000	ng	-0.02
64) Phenanthrene-d10	11.375	188	656487	20.000	ng	-0.02
76) Chrysene-d12	14.010	240	409594	20.000	ng	-0.02
86) Perylene-d12	15.474	264	439221	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	1102307	93.184	ng	-0.01
7) Phenol-d6	6.481	99	1389561	85.644	ng	-0.01
23) Nitrobenzene-d5	7.416	82	911825	66.396	ng	-0.02
42) 2,4,6-Tribromophenol	10.680	330	284273	83.911	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	1345879	61.244	ng	-0.02
79) Terphenyl-d14	12.963	244	1106881	44.204	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	122398	13.204	ng	# 63
25) Isophorone	7.416	82	909369	34.771	ng	# 59
32) Benzoic acid	7.810	122	346	4.213	ng	# 62
51) 2,6-Dinitrotoluene	9.892	165	50762	10.691	ng	# 28
57) 2,4-Dinitrotoluene	9.892	165	50762	8.704	ng	# 20
58) Fluorene	10.433	166	7759	Below Cal	#	96
65) 4,6-Dinitro-2-methylph...	10.675	198	562	6.236	ng	# 1
67) 4-Bromophenyl-phenylether	10.675	248	20139	2.872	ng	# 1
71) Phenanthrene	11.398	178	119648	3.512	ng	99
75) Fluoranthene	12.586	202	156217	4.549	ng	96
78) Pyrene	12.810	202	129798	3.405	ng	96
84) Bis(2-ethylhexyl)phtha...	14.004	149	84547	6.294	ng	# 95
88) Benzo(b)fluoranthene	15.045	252	85675	2.955	ng	99
89) Benzo(k)fluoranthene	15.045	252	85675	3.077	ng	# 96

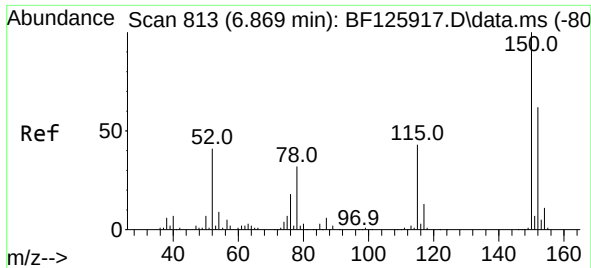
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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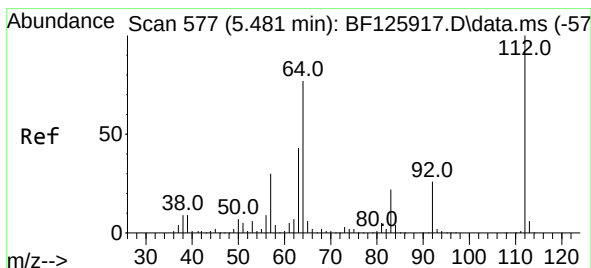
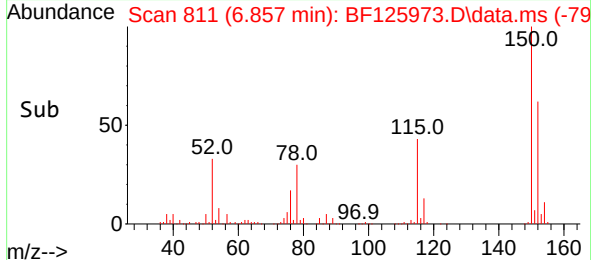
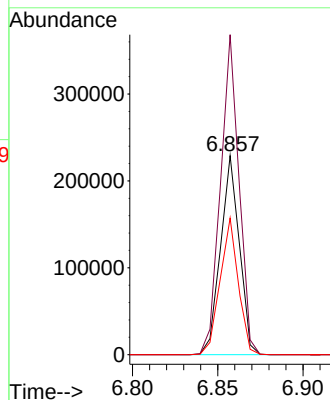
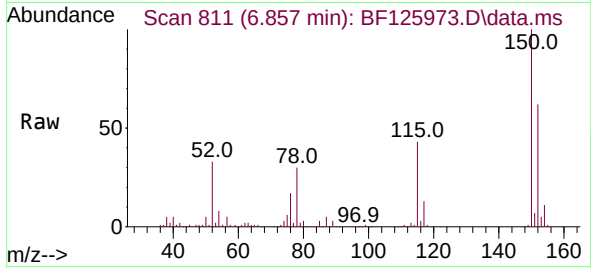




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.012 min
Lab File: BF125973.D
Acq: 27 Oct 2021 20:21

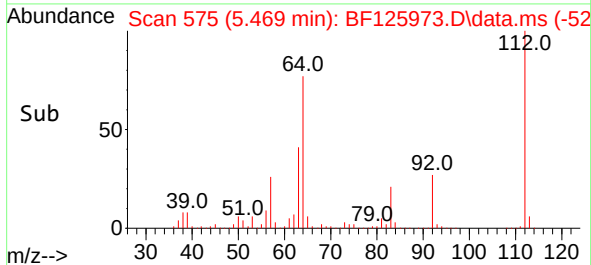
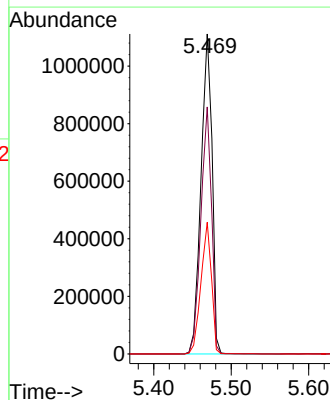
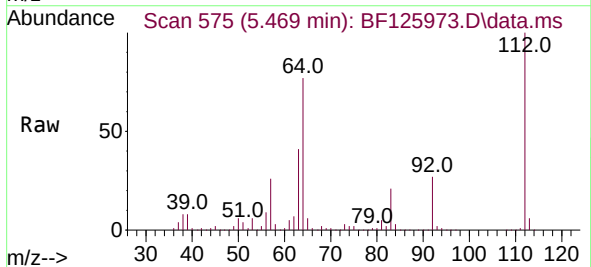
Instrument :
BNA_F
ClientSampleId :
358

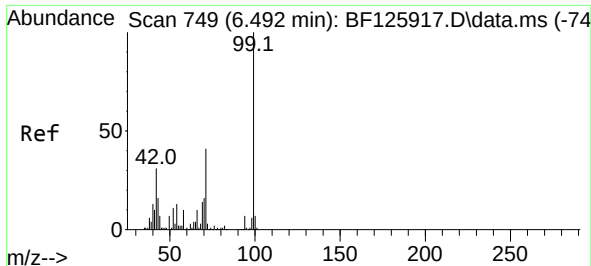
Tgt Ion:152 Resp: 176201
Ion Ratio Lower Upper
152 100
150 160.8 117.6 176.4
115 68.7 47.1 70.7



#5
2-Fluorophenol
Concen: 93.184 ng
RT: 5.469 min Scan# 575
Delta R.T. -0.012 min
Lab File: BF125973.D
Acq: 27 Oct 2021 20:21

Tgt Ion:112 Resp: 1102307
Ion Ratio Lower Upper
112 100
64 77.2 44.2 66.2#
63 41.2 26.2 39.2#

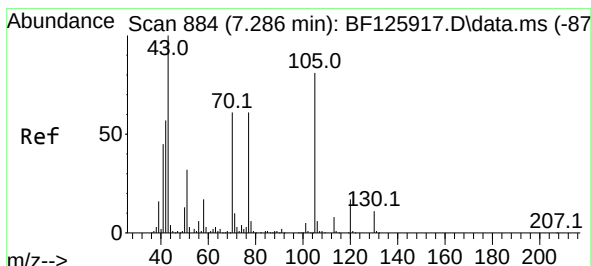
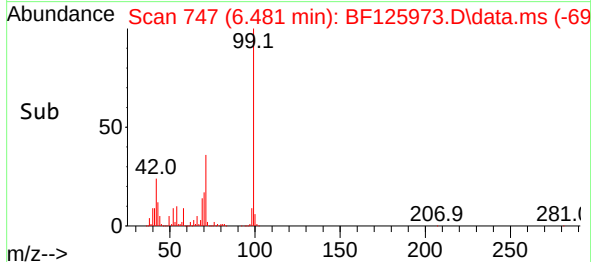
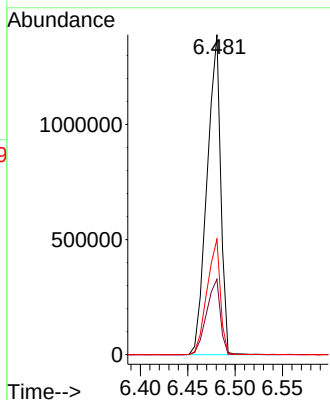
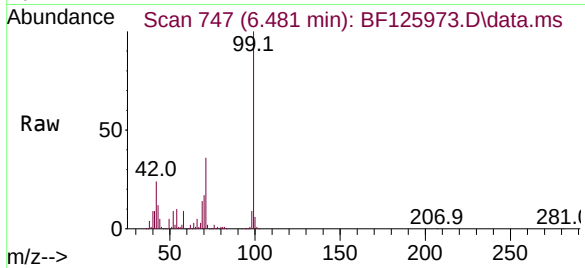




#7
Phenol-d6
Concen: 85.644 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF125973.D
Acq: 27 Oct 2021 20:21

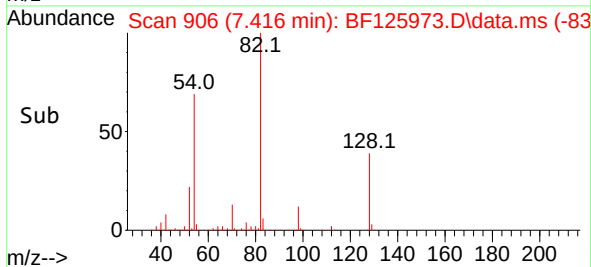
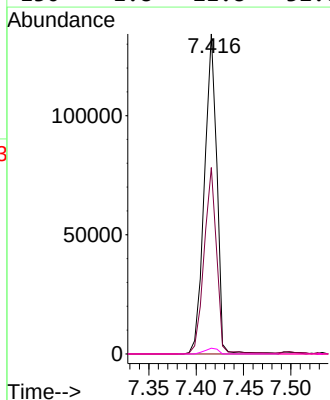
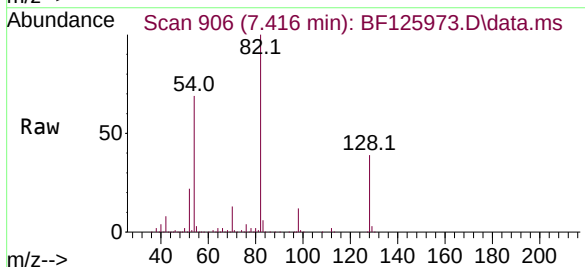
Instrument :
BNA_F
ClientSampleId :
358

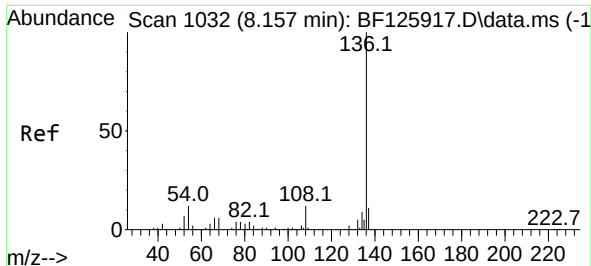
Tgt Ion: 99 Resp: 1389561
Ion Ratio Lower Upper
99 100
42 23.6 23.5 35.3
71 36.0 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 13.204 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.130 min
Lab File: BF125973.D
Acq: 27 Oct 2021 20:21

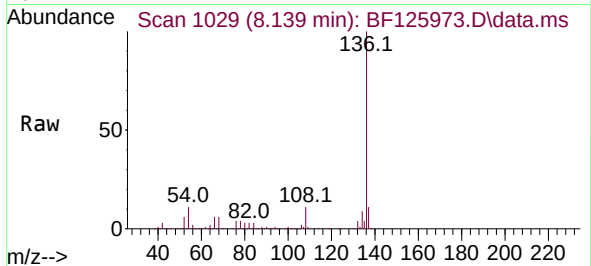
Tgt Ion: 70 Resp: 122398
Ion Ratio Lower Upper
70 100
42 58.3 72.2 108.2#
101 0.0 7.8 11.8#
130 1.8 21.8 32.6#



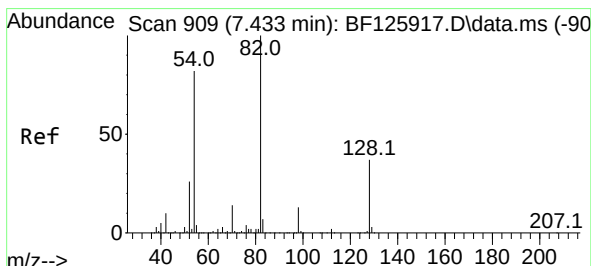
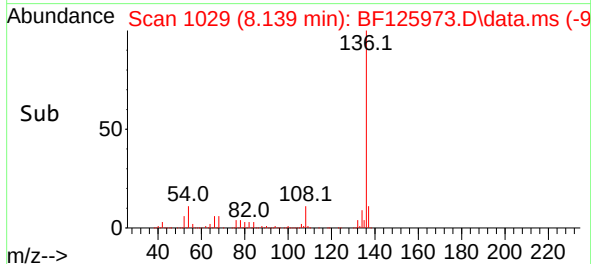
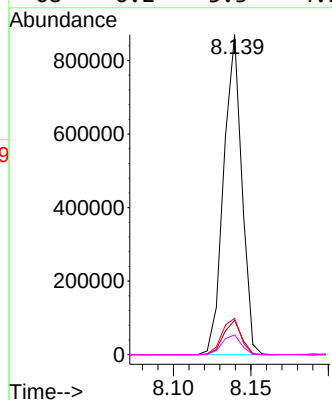


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.018 min
Lab File: BF125973.D
Acq: 27 Oct 2021 20:21

Instrument :
BNA_F
ClientSampleId :
358

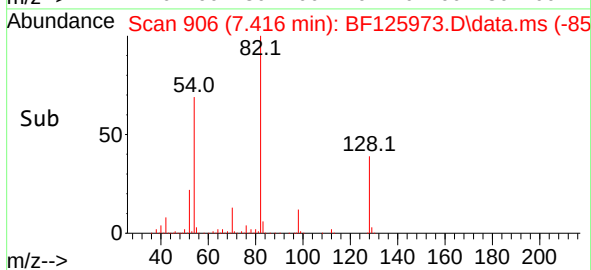
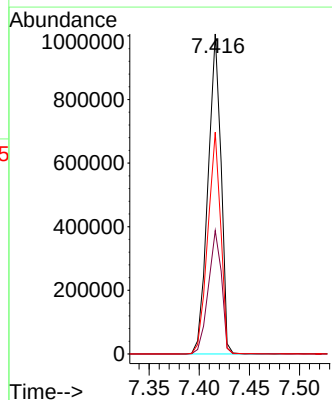
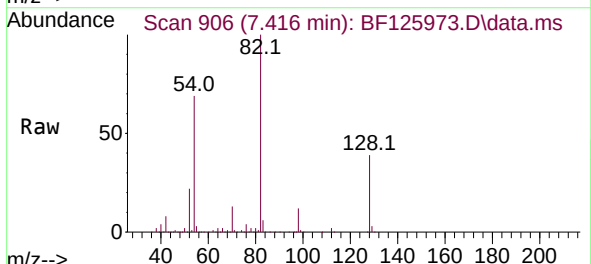


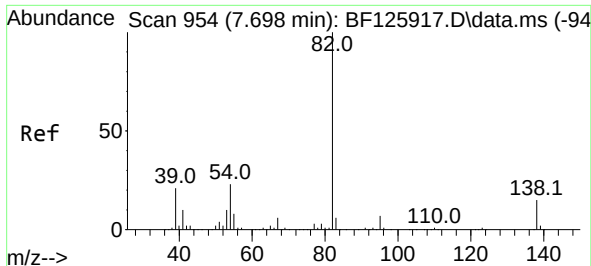
Tgt Ion:	136	Resp:	709369
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.8	14.6
54	11.3	6.4	9.6#
68	6.2	3.3	4.9#



#23
Nitrobenzene-d5
Concen: 66.396 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.017 min
Lab File: BF125973.D
Acq: 27 Oct 2021 20:21

Tgt Ion:	82	Resp:	911825
Ion	Ratio	Lower	Upper
82	100		
128	38.6	40.6	60.8#
54	69.3	49.6	74.4

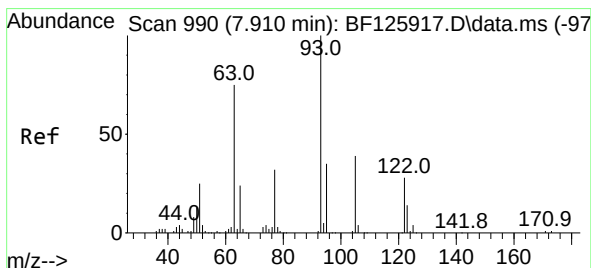
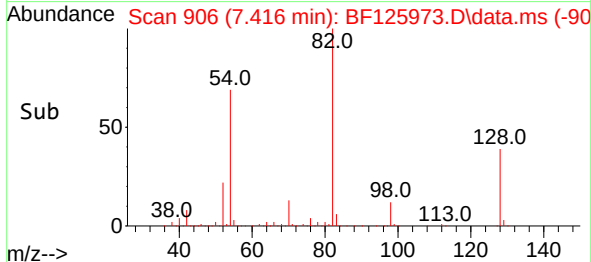
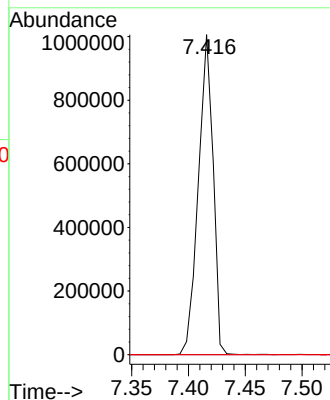
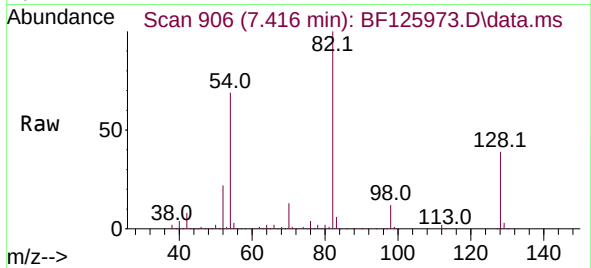




#25
Isophorone
Concen: 34.771 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.282 min
Lab File: BF125973.D
Acq: 27 Oct 2021 20:21

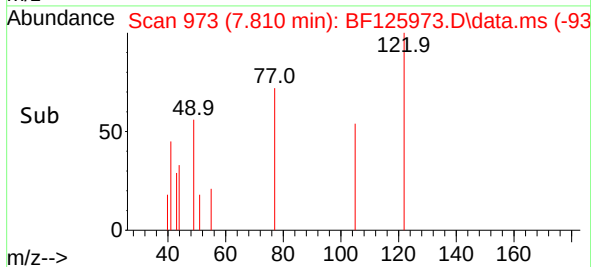
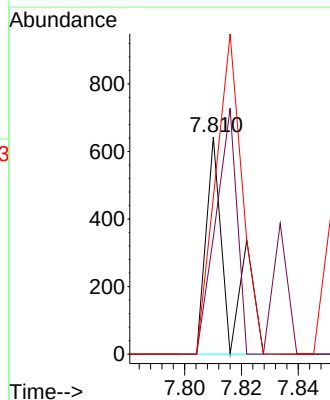
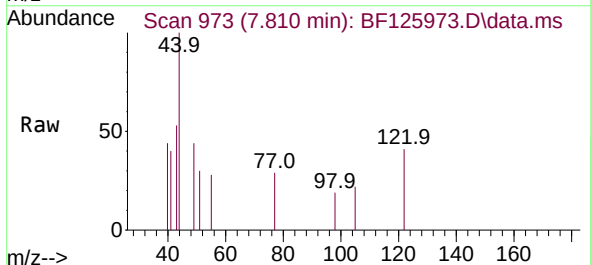
Instrument :
BNA_F
ClientSampleId :
358

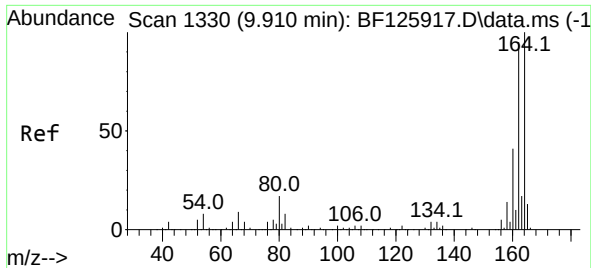
Tgt Ion: 82 Resp: 909369
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#32
Benzoic acid
Concen: 4.213 ng
RT: 7.810 min Scan# 973
Delta R.T. -0.100 min
Lab File: BF125973.D
Acq: 27 Oct 2021 20:21

Tgt Ion: 122 Resp: 346
Ion Ratio Lower Upper
122 100
105 53.8 97.6 137.6#
77 72.0 59.6 99.6

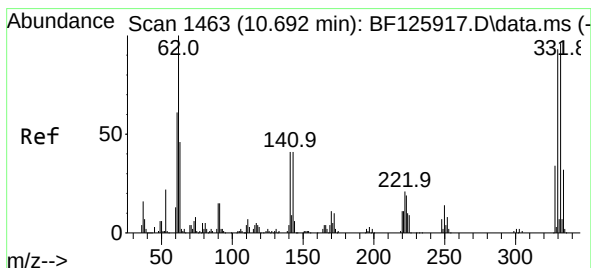
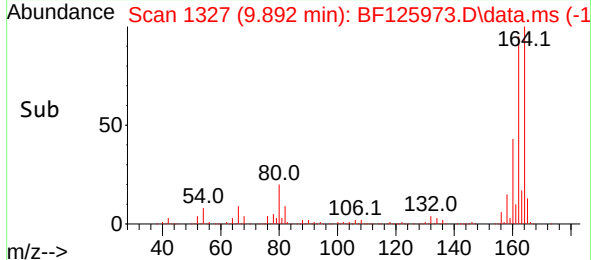
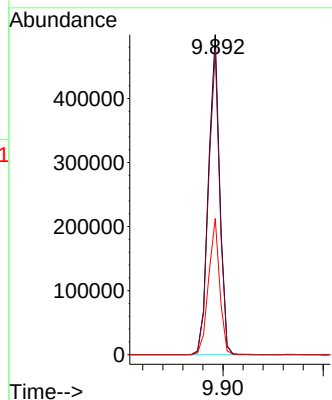
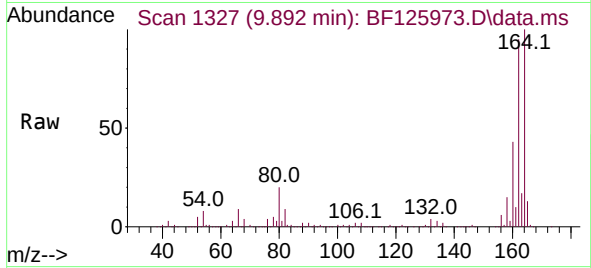




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.018 min
Lab File: BF125973.D
Acq: 27 Oct 2021 20:21

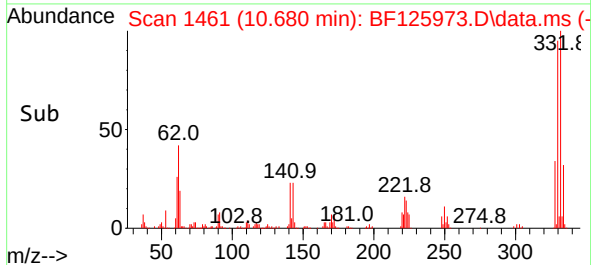
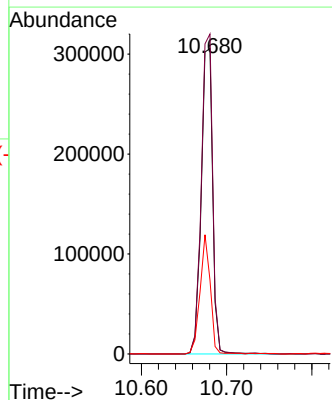
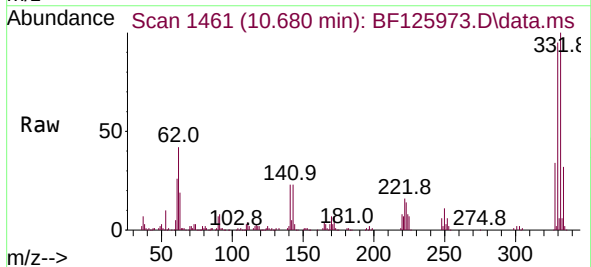
Instrument :
BNA_F
ClientSampled :
358

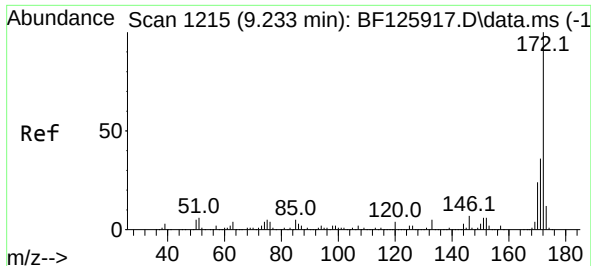
Tgt Ion:164 Resp: 388622
Ion Ratio Lower Upper
164 100
162 95.2 81.3 121.9
160 42.6 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 83.911 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF125973.D
Acq: 27 Oct 2021 20:21

Tgt Ion:330 Resp: 284273
Ion Ratio Lower Upper
330 100
332 104.1 76.2 114.4
141 35.1 44.6 66.8#

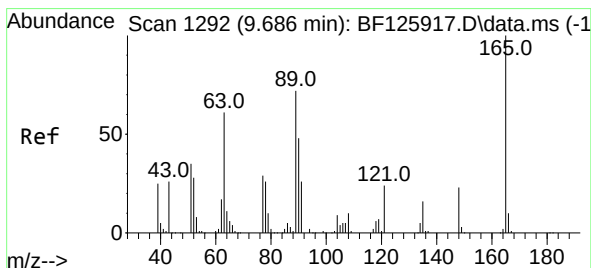
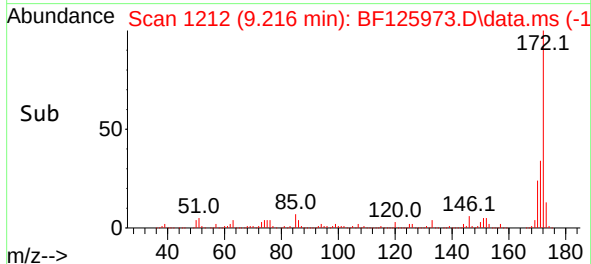
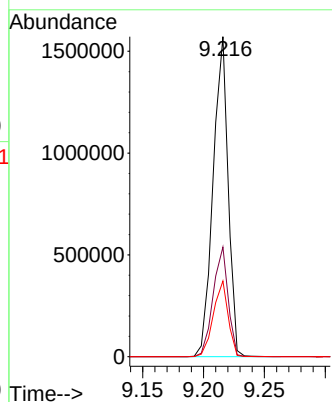
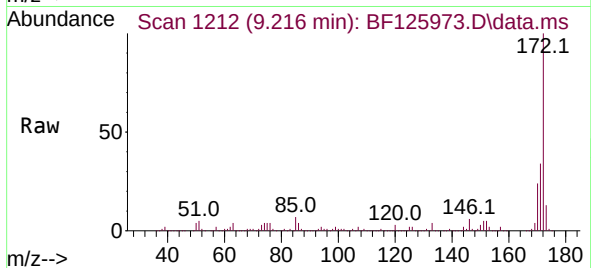




#45
2-Fluorobiphenyl
Concen: 61.244 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.017 min
Lab File: BF125973.D
Acq: 27 Oct 2021 20:21

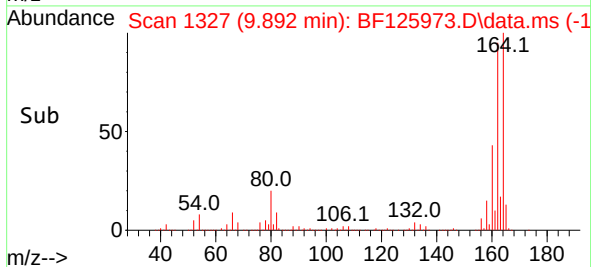
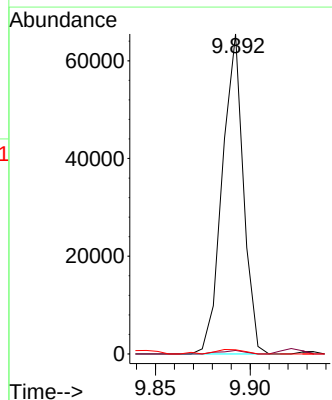
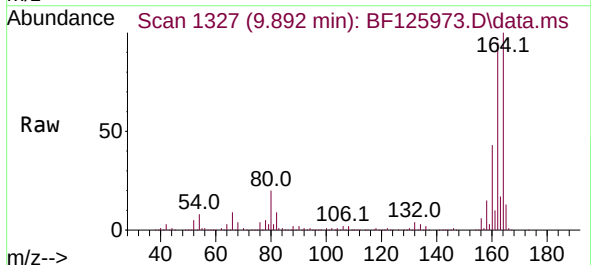
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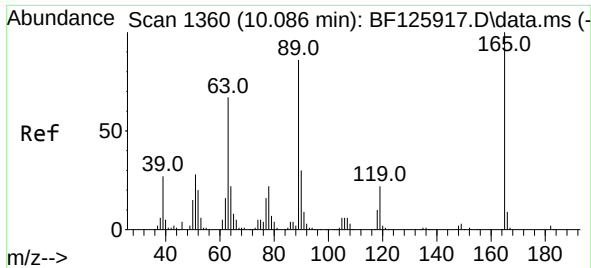
Tgt Ion:172 Resp: 1345879
Ion Ratio Lower Upper
172 100
171 34.2 26.5 39.7
170 23.6 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 10.691 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.206 min
Lab File: BF125973.D
Acq: 27 Oct 2021 20:21

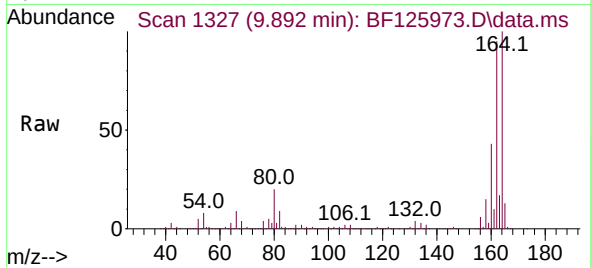
Tgt Ion:165 Resp: 50762
Ion Ratio Lower Upper
165 100
63 1.1 42.6 63.8#
89 1.3 40.6 60.8#



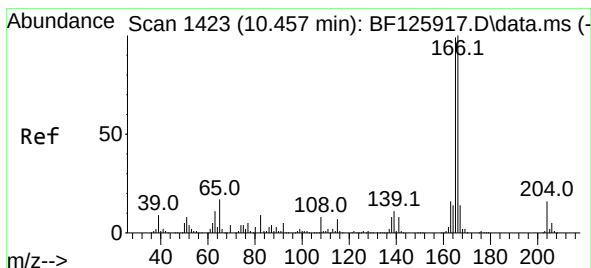
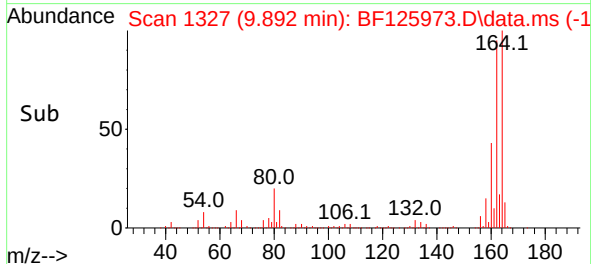
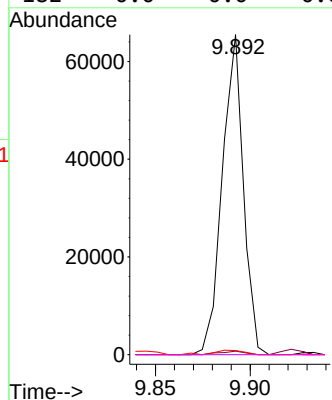


#57
2,4-Dinitrotoluene
Concen: 8.704 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.194 min
Lab File: BF125973.D
Acq: 27 Oct 2021 20:21

Instrument :
BNA_F
ClientSampleId :
358

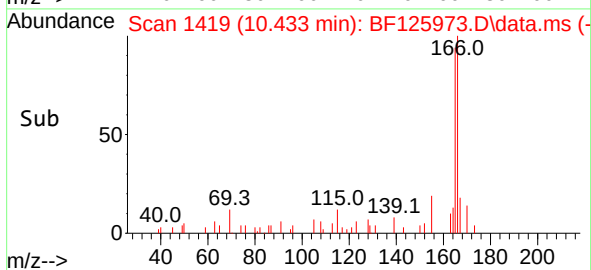
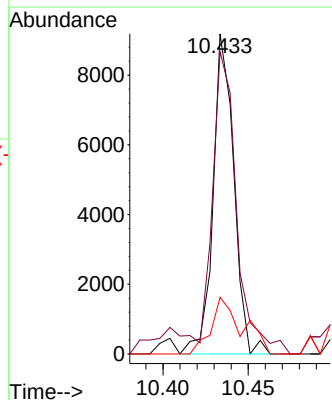
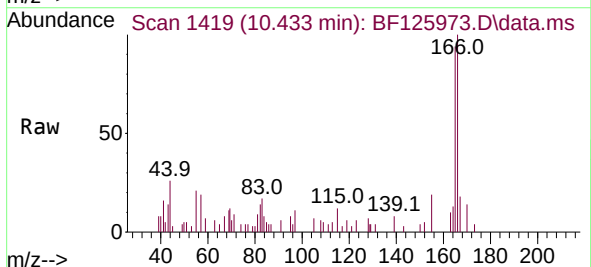


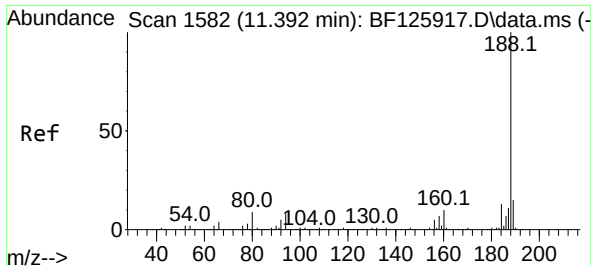
Tgt Ion:165 Resp: 50762
Ion Ratio Lower Upper
165 100
63 1.1 40.9 61.3#
89 1.3 59.7 89.5#
182 0.0 0.0 0.0



#58
Fluorene
Concen: Below Cal
RT: 10.433 min Scan# 1419
Delta R.T. -0.024 min
Lab File: BF125973.D
Acq: 27 Oct 2021 20:21

Tgt Ion:166 Resp: 7759
Ion Ratio Lower Upper
166 100
165 94.4 78.1 117.1
167 17.7 11.1 16.7#

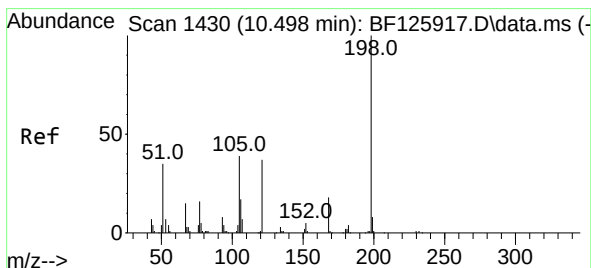
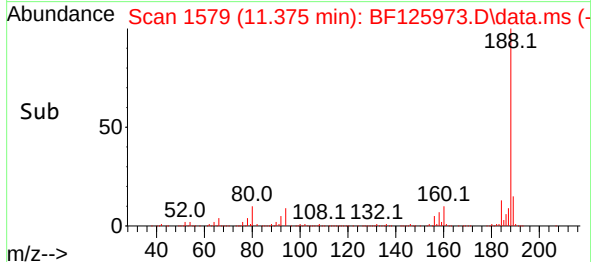
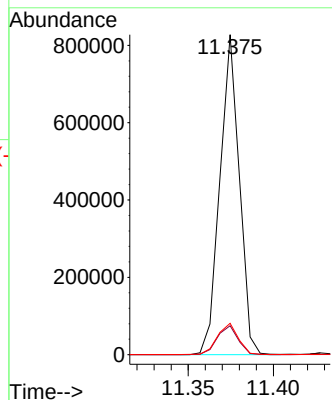
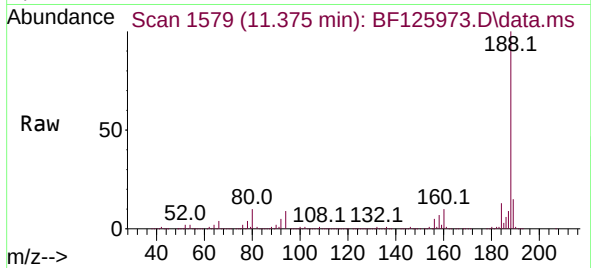




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1579
Delta R.T. -0.017 min
Lab File: BF125973.D
Acq: 27 Oct 2021 20:21

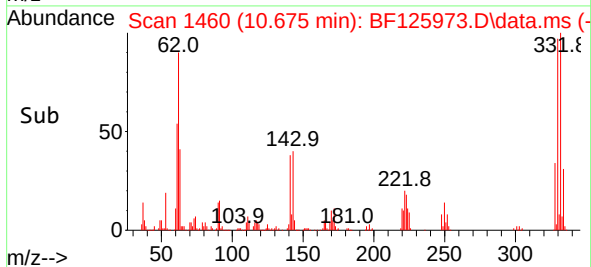
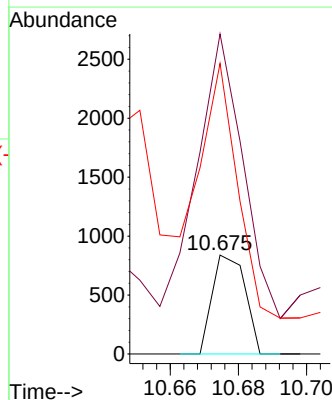
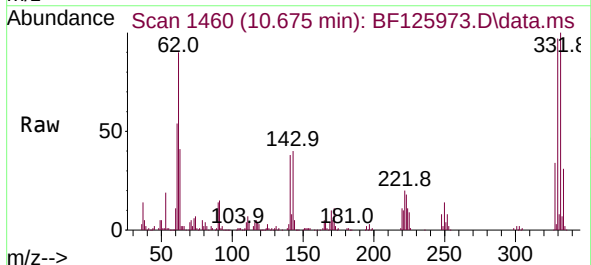
Instrument :
BNA_F
ClientSampleId :
358

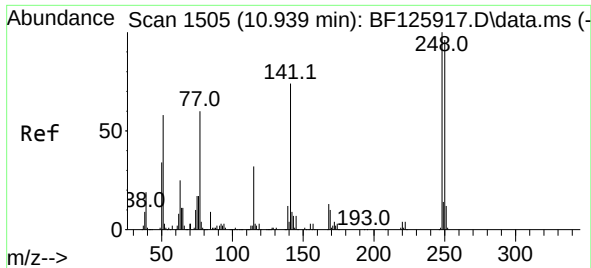
Tgt Ion:188 Resp: 656487
Ion Ratio Lower Upper
188 100
94 9.1 6.7 10.1
80 9.8 7.5 11.3



#65
4,6-Dinitro-2-methylphenol
Concen: 6.236 ng
RT: 10.675 min Scan# 1460
Delta R.T. 0.177 min
Lab File: BF125973.D
Acq: 27 Oct 2021 20:21

Tgt Ion:198 Resp: 562
Ion Ratio Lower Upper
198 100
51 323.6 45.3 85.3#
105 293.8 30.6 70.6#

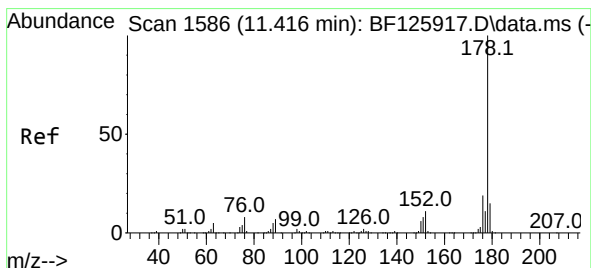
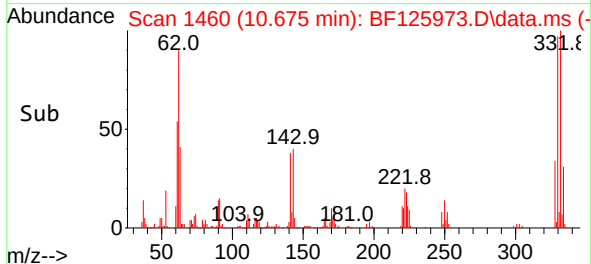
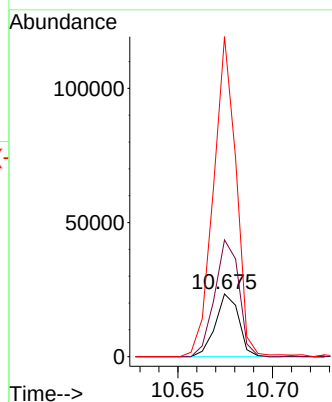
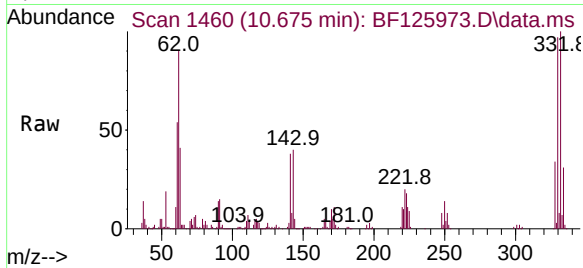




#67
4-Bromophenyl-phenylether
Concen: 2.872 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.265 min
Lab File: BF125973.D
Acq: 27 Oct 2021 20:21

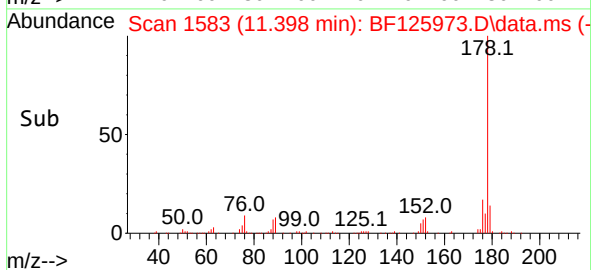
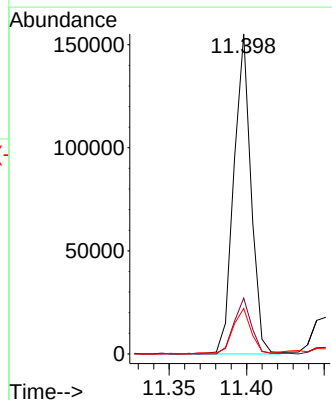
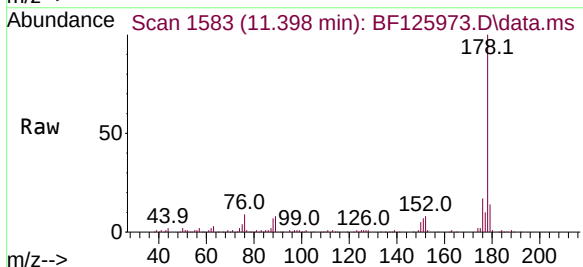
Instrument :
BNA_F
ClientSampled :
358

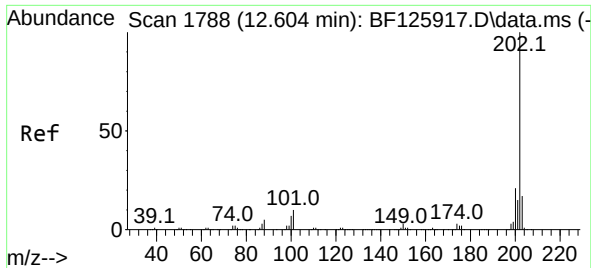
Tgt Ion:248 Resp: 20139
Ion Ratio Lower Upper
248 100
250 186.1 74.2 111.4#
141 509.9 60.4 90.6#



#71
Phenanthrene
Concen: 3.512 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.018 min
Lab File: BF125973.D
Acq: 27 Oct 2021 20:21

Tgt Ion:178 Resp: 119648
Ion Ratio Lower Upper
178 100
176 17.5 14.7 22.1
179 14.2 11.5 17.3

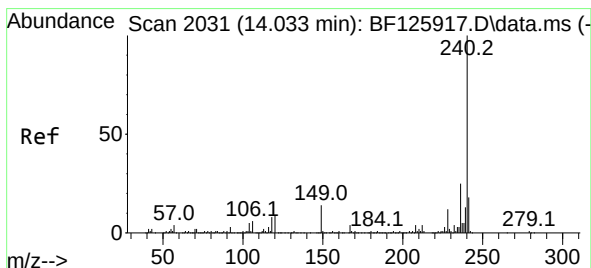
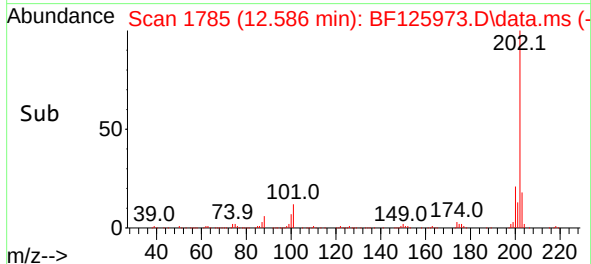
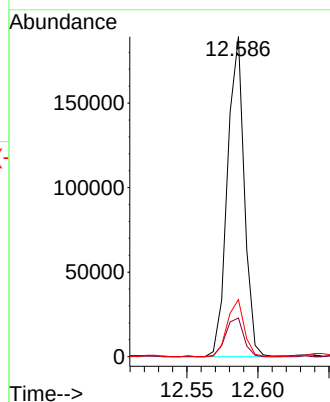
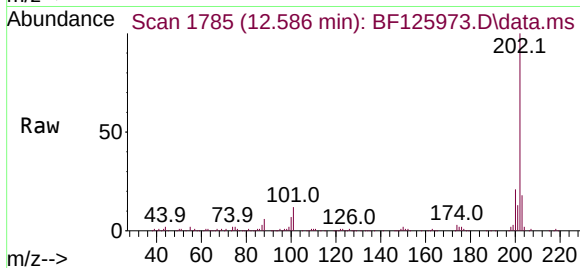




#75
Fluoranthene
Concen: 4.549 ng
RT: 12.586 min Scan# 1785
Delta R.T. -0.017 min
Lab File: BF125973.D
Acq: 27 Oct 2021 20:21

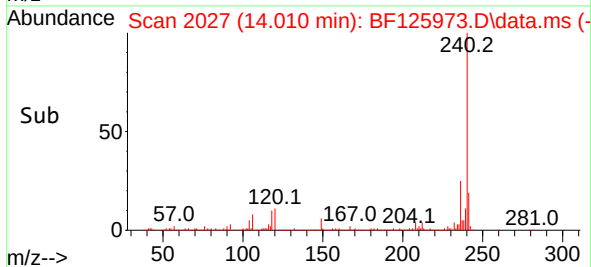
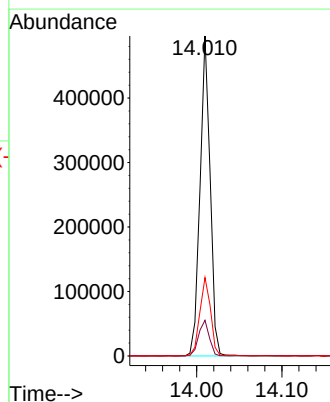
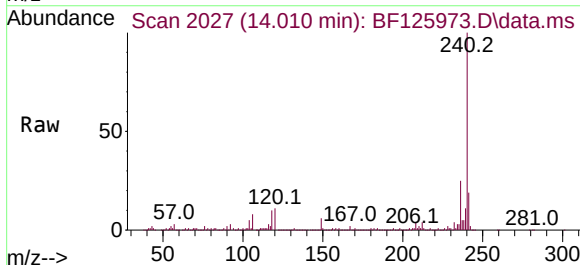
Instrument :
BNA_F
ClientSampleId :
358

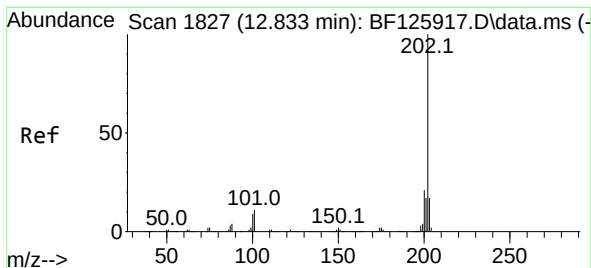
Tgt Ion:202 Resp: 156217
Ion Ratio Lower Upper
202 100
101 12.1 0.0 30.7
203 17.9 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.023 min
Lab File: BF125973.D
Acq: 27 Oct 2021 20:21

Tgt Ion:240 Resp: 409594
Ion Ratio Lower Upper
240 100
120 11.2 10.8 16.2
236 24.5 21.6 32.4





#78

Pyrene

Concen: 3.405 ng

RT: 12.810 min Scan# 1823

Delta R.T. -0.023 min

Lab File: BF125973.D

Acq: 27 Oct 2021 20:21

Tgt Ion:202 Resp: 129798

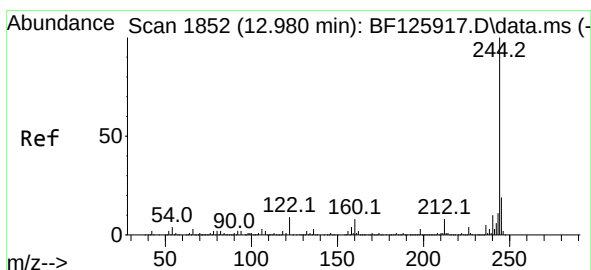
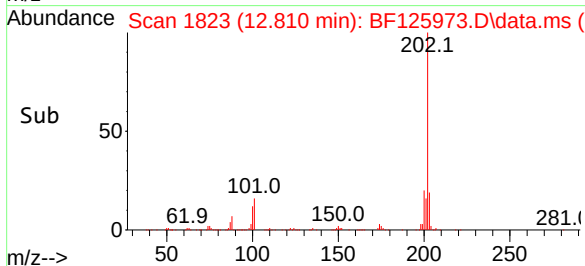
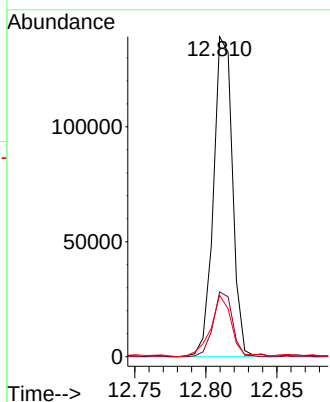
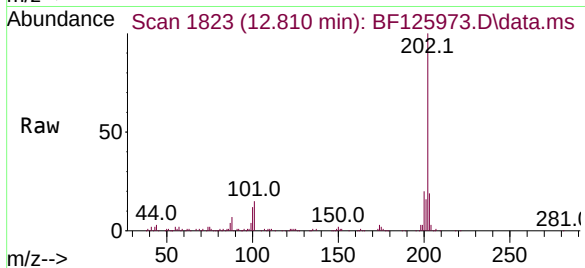
Ion	Ratio	Lower	Upper
202	100		
200	20.2	15.3	22.9
203	19.2	13.4	20.0

Instrument :

BNA_F

ClientSampleId :

358



#79

Terphenyl-d14

Concen: 44.204 ng

RT: 12.963 min Scan# 1849

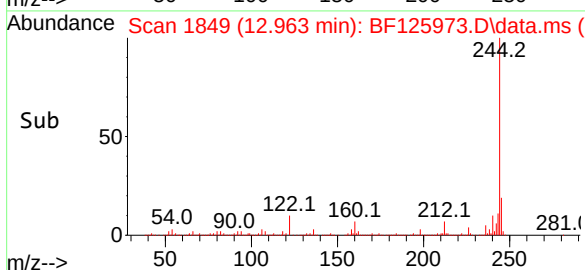
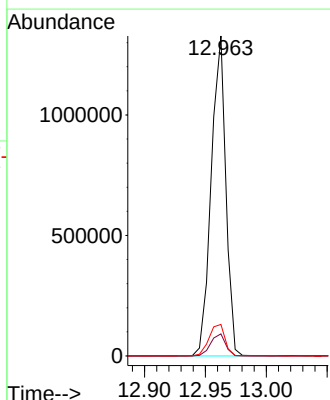
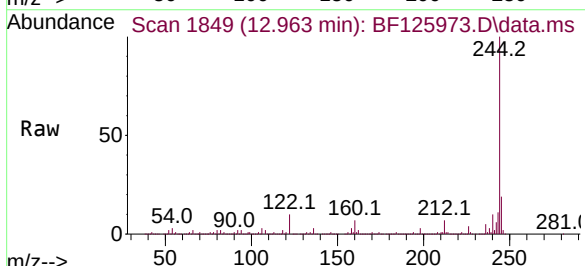
Delta R.T. -0.017 min

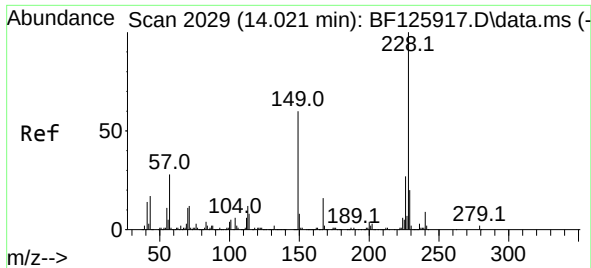
Lab File: BF125973.D

Acq: 27 Oct 2021 20:21

Tgt Ion:244 Resp: 1106881

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.9	8.9
122	9.9	9.0	13.4

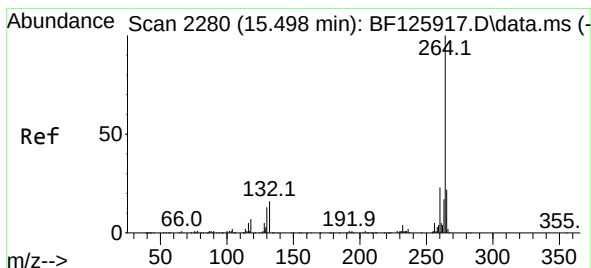
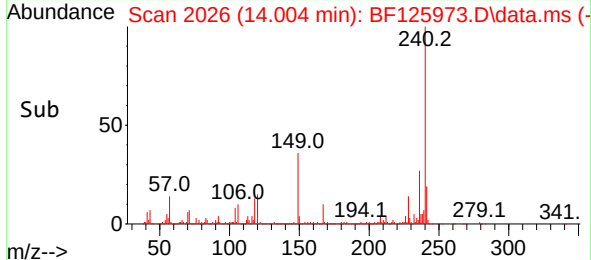
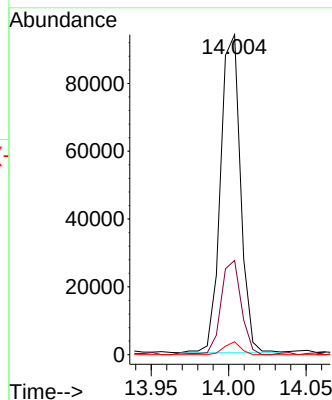
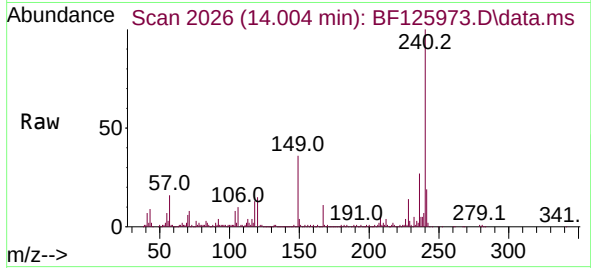




#84
Bis(2-ethylhexyl)phthalate
Concen: 6.294 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.018 min
Lab File: BF125973.D
Acq: 27 Oct 2021 20:21

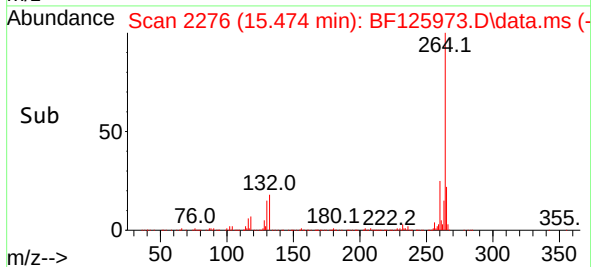
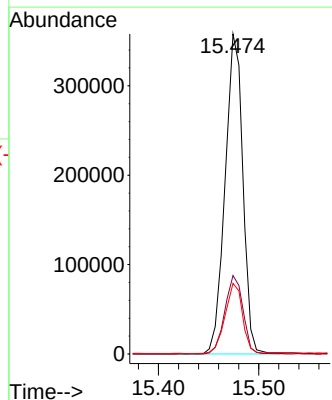
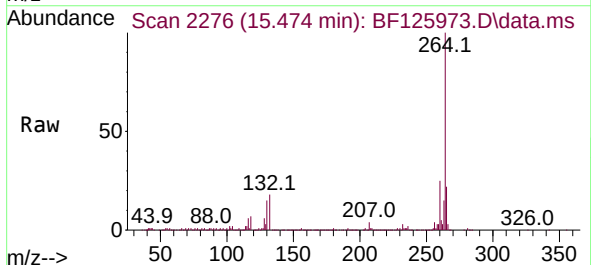
Instrument :
BNA_F
ClientSampled :
358

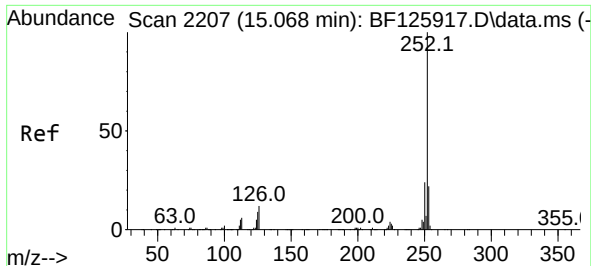
Tgt Ion:149 Resp: 84547
Ion Ratio Lower Upper
149 100
167 29.4 21.4 32.0
279 4.0 2.6 4.0#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 2276
Delta R.T. -0.023 min
Lab File: BF125973.D
Acq: 27 Oct 2021 20:21

Tgt Ion:264 Resp: 439221
Ion Ratio Lower Upper
264 100
260 24.5 19.6 29.4
265 22.1 17.2 25.8

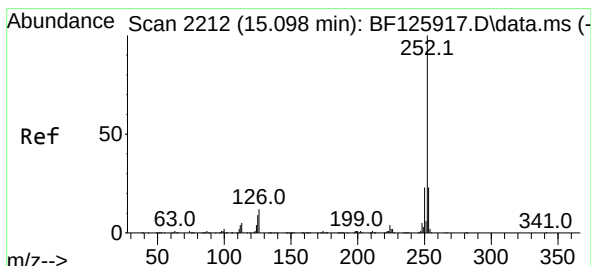
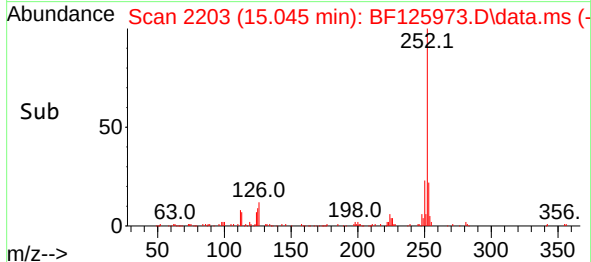
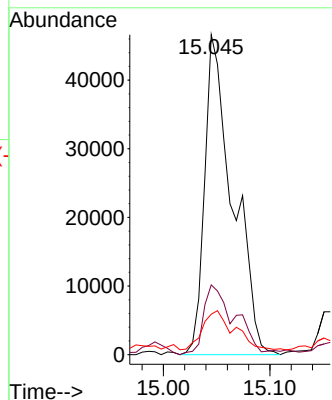
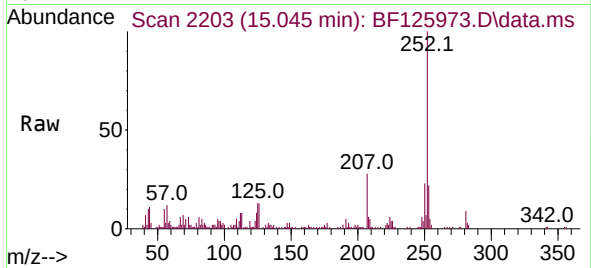




#88
Benzo(b)fluoranthene
Concen: 2.955 ng
RT: 15.045 min Scan# 2203
Delta R.T. -0.023 min
Lab File: BF125973.D
Acq: 27 Oct 2021 20:21

Instrument :
BNA_F
ClientSampled :
358

Tgt Ion:252 Resp: 85675
Ion Ratio Lower Upper
252 100
253 21.8 16.8 25.2
125 12.7 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 3.077 ng
RT: 15.045 min Scan# 2203
Delta R.T. -0.053 min
Lab File: BF125973.D
Acq: 27 Oct 2021 20:21

Tgt Ion:252 Resp: 85675
Ion Ratio Lower Upper
252 100
253 21.8 17.8 26.8
125 12.7 7.2 10.8#

