

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
 Data File : BF126116.D
 Acq On : 10 Nov 2021 19:53
 Operator : JU/CG
 Sample : M4601-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AS-RO-COMP

Quant Time: Nov 11 09:32:06 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 03 17:21:25 2021
 Response via : Initial Calibration

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

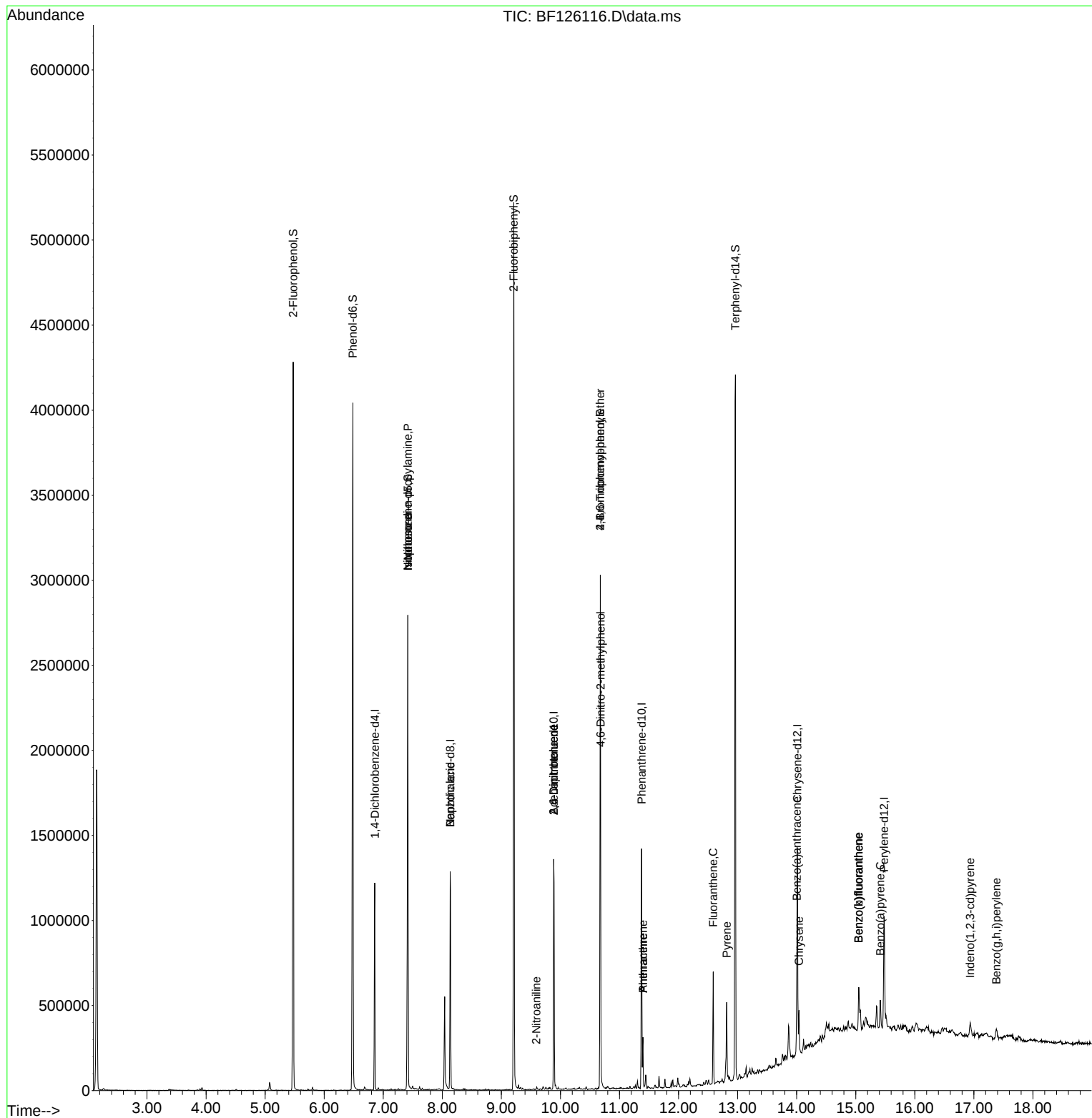
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	159365	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	531936	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	276287	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	468636	20.000	ng	0.00
76) Chrysene-d12	14.010	240	376874	20.000	ng	# 0.00
86) Perylene-d12	15.480	264	312726	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	948935	102.255	ng	0.01
7) Phenol-d6	6.487	99	1174081	89.749	ng	0.00
23) Nitrobenzene-d5	7.416	82	827885	73.399	ng	0.00
42) 2,4,6-Tribromophenol	10.674	330	303460	95.842	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	1472389	72.017	ng	0.00
79) Terphenyl-d14	12.963	244	1428709	61.131	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.487	77	2615	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.416	70	120074	13.923	ng	# 61
25) Isophorone	7.416	82	827868	40.766	ng	# 59
32) Benzoic acid	8.133	122	123	9.164	ng	# 1
48) 2-Nitroaniline	9.592	65	108	2.868	ng	# 1
51) 2,6-Dinitrotoluene	9.886	165	36276	10.521	ng	# 28
57) 2,4-Dinitrotoluene	9.886	165	36276	9.987	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.680	198	644	8.553	ng	# 47
67) 4-Bromophenyl-phenylether	10.674	248	21563	3.799	ng	# 1
71) Phenanthrene	11.398	178	101916	4.010	ng	97
72) Anthracene	11.398	178	101916	4.017	ng	97
75) Fluoranthene	12.586	202	236369	8.352	ng	94
78) Pyrene	12.816	202	186778	6.180	ng	98
81) Benzo(a)anthracene	14.004	228	97875	3.780	ng	98
83) Chrysene	14.039	228	104211	4.326	ng	96
87) Indeno(1,2,3-cd)pyrene	16.939	276	52174	2.819	ng	# 84
88) Benzo(b)fluoranthene	15.051	252	170030	8.359	ng	# 93
89) Benzo(k)fluoranthene	15.051	252	170030	8.617	ng	98
90) Benzo(a)pyrene	15.415	252	78828	4.919	ng	94
92) Benzo(g,h,i)perylene	17.380	276	52814	3.622	ng	# 84

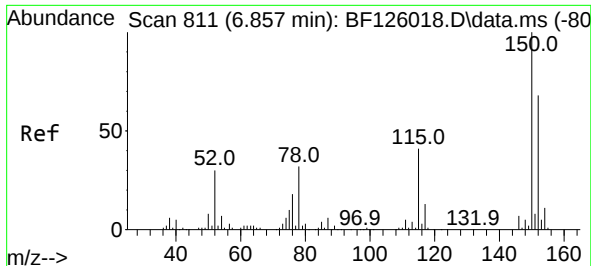
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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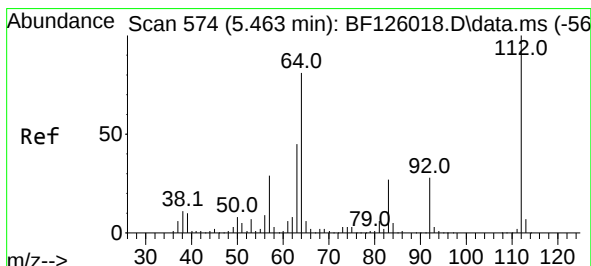
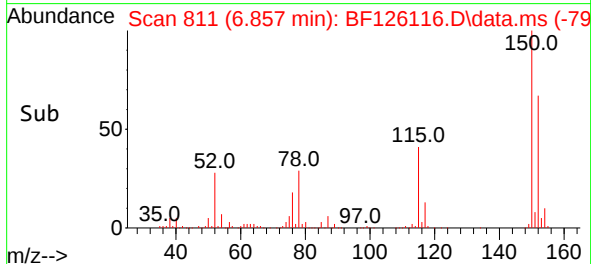
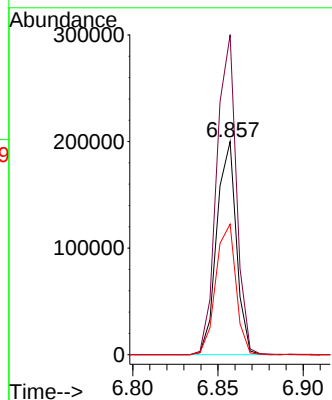
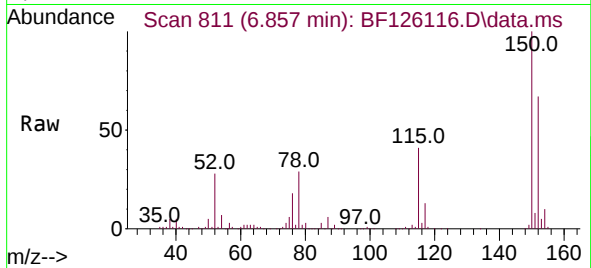




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

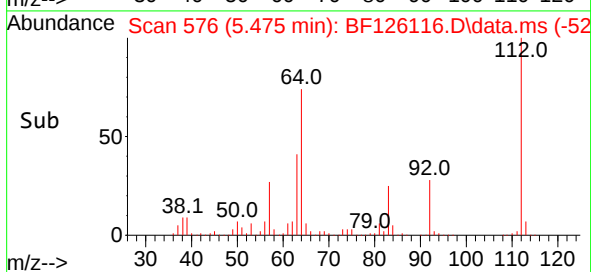
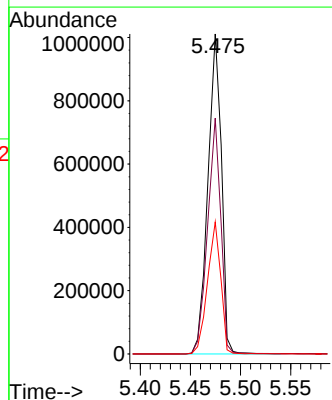
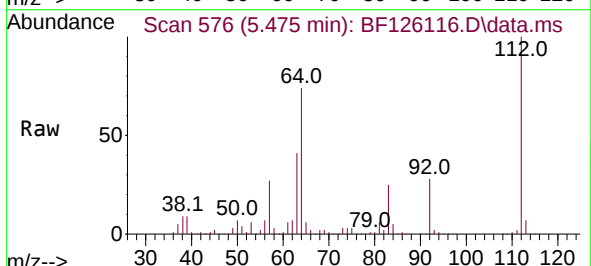
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BNA_F
ClientSampleId :
AS-RO-COMP

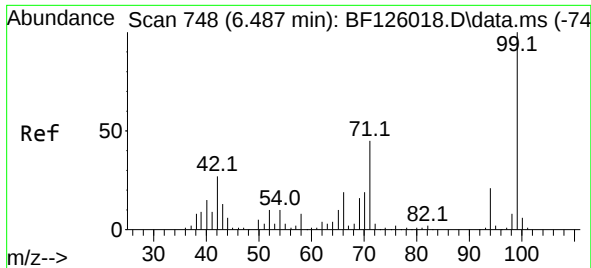
Tgt Ion:152 Resp: 159365
Ion Ratio Lower Upper
152 100
150 150.1 117.6 176.4
115 61.3 47.1 70.7



#5
2-Fluorophenol
Concen: 102.255 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.012 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

Tgt Ion:112 Resp: 948935
Ion Ratio Lower Upper
112 100
64 73.7 44.2 66.2#
63 41.3 26.2 39.2#

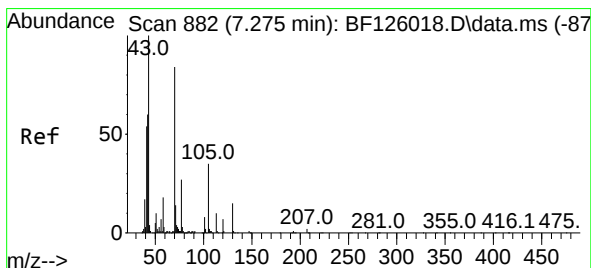
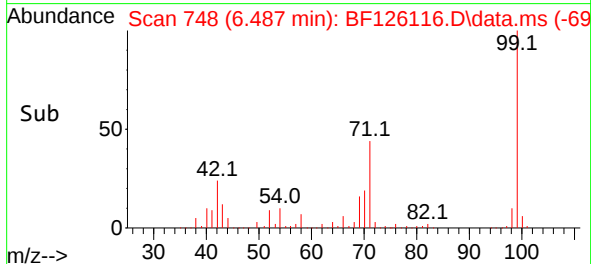
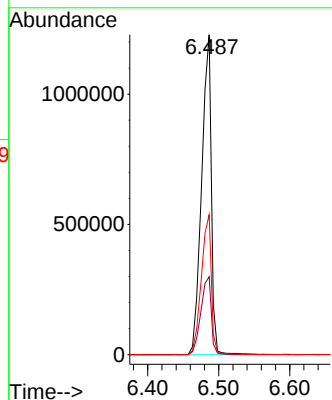
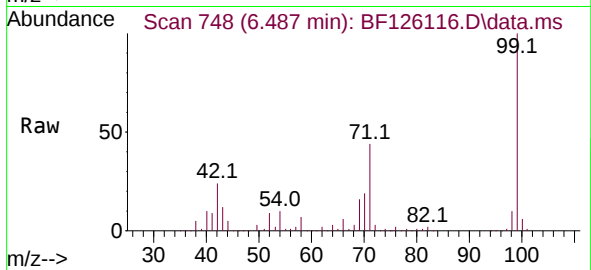




#7
Phenol-d6
Concen: 89.749 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

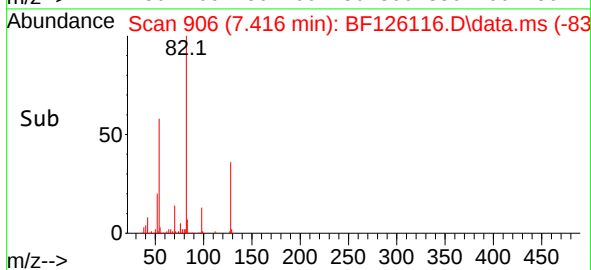
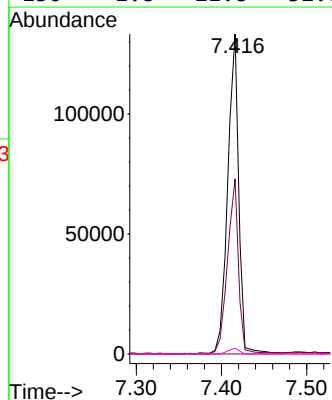
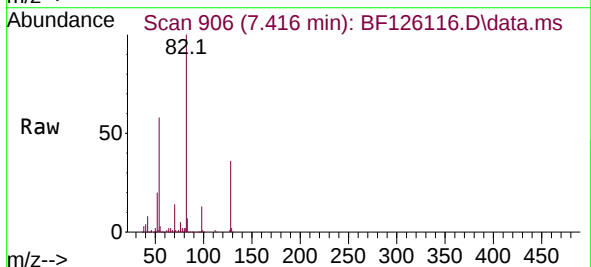
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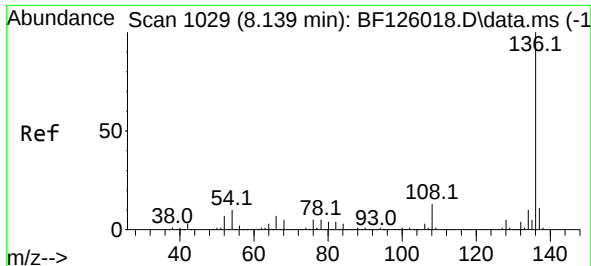
Tgt Ion: 99 Resp: 1174081
Ion Ratio Lower Upper
99 100
42 24.4 23.5 35.3
71 43.8 25.6 38.4#



#19
n-Nitroso-di-n-propylamine
Concen: 13.923 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.141 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

Tgt Ion: 70 Resp: 120074
Ion Ratio Lower Upper
70 100
42 54.7 72.2 108.2#
101 0.0 7.8 11.8#
130 1.8 21.8 32.6#

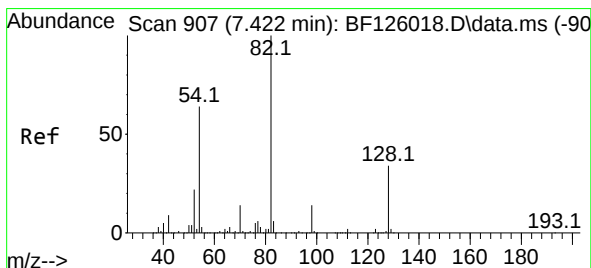
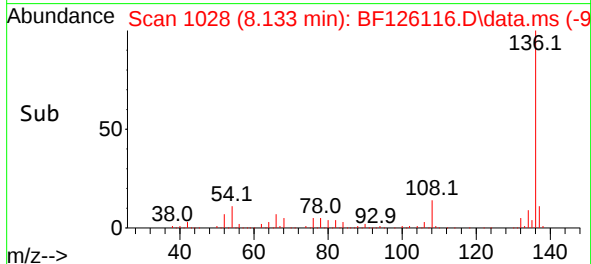
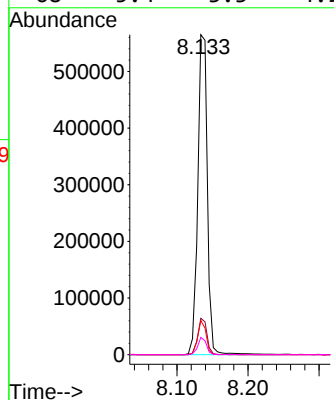
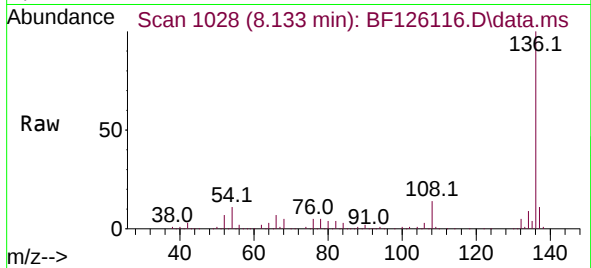




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.133 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

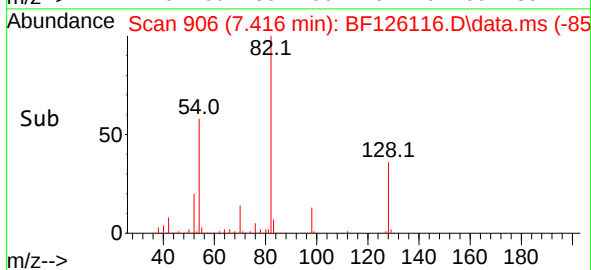
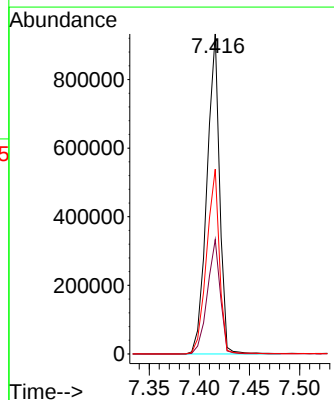
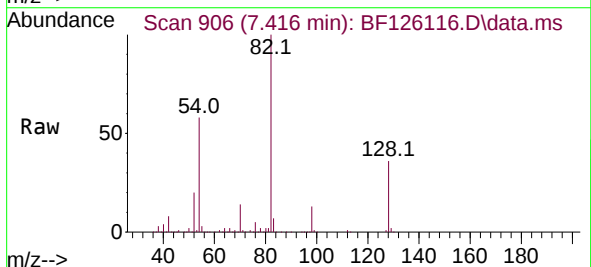
Instrument :
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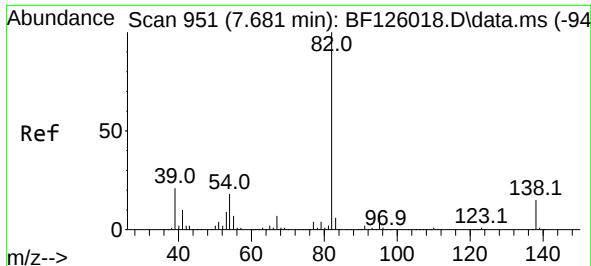
Tgt Ion:	136	Resp:	531936
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.8	14.6
54	10.6	6.4	9.6#
68	5.4	3.3	4.9#



#23
Nitrobenzene-d5
Concen: 73.399 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

Tgt Ion:	82	Resp:	827885
Ion Ratio	Lower	Upper	
82	100		
128	35.7	40.6	60.8#
54	57.7	49.6	74.4

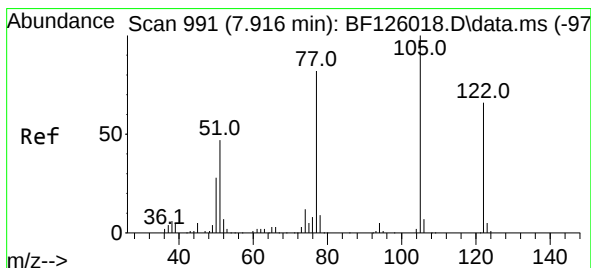
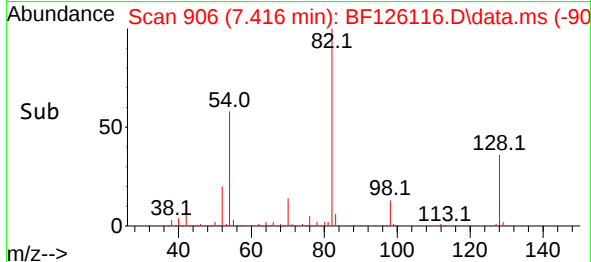
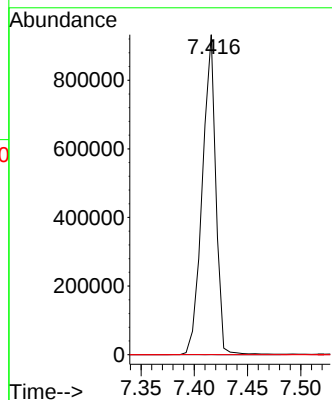
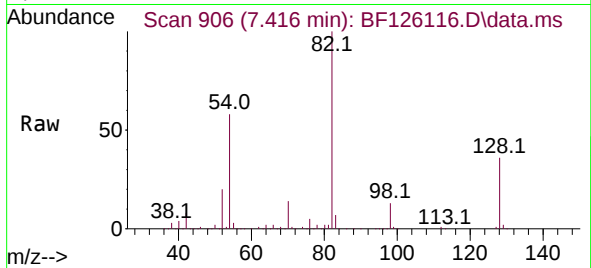




#25
Isophorone
Concen: 40.766 ng
RT: 7.416 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

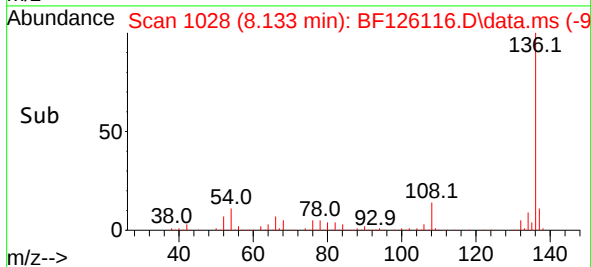
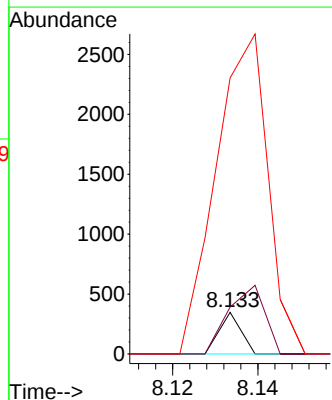
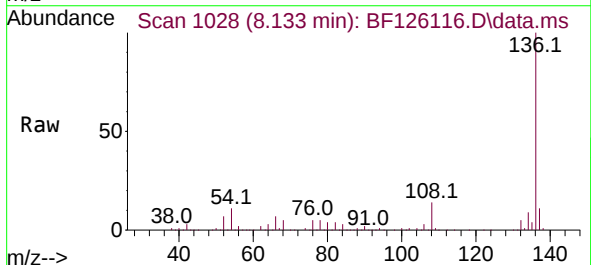
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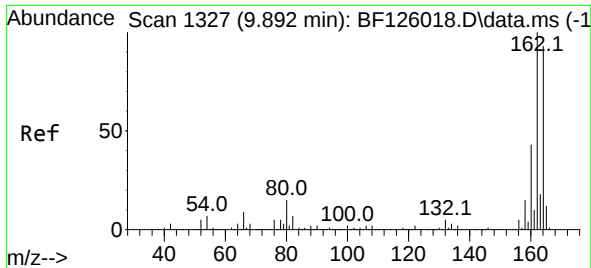
Tgt Ion: 82 Resp: 827868
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#32
Benzoic acid
Concen: 9.164 ng
RT: 8.133 min Scan# 1028
Delta R.T. 0.217 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

Tgt Ion: 122 Resp: 123
Ion Ratio Lower Upper
122 100
105 112.4 97.6 137.6
77 662.1 59.6 99.6#

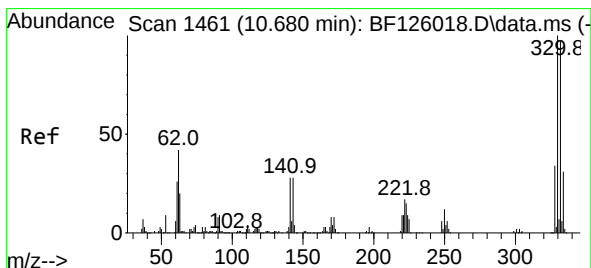
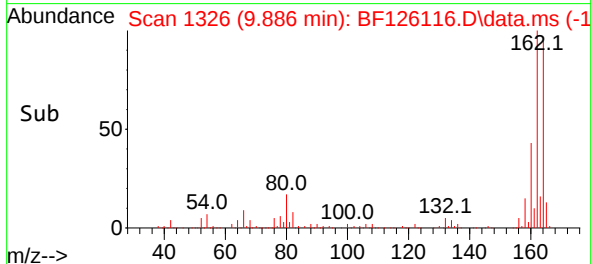
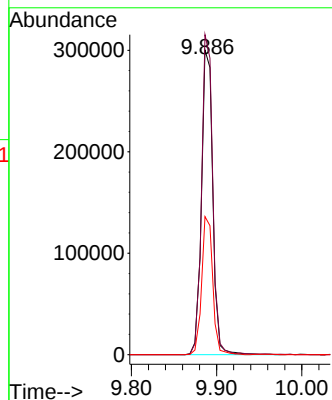
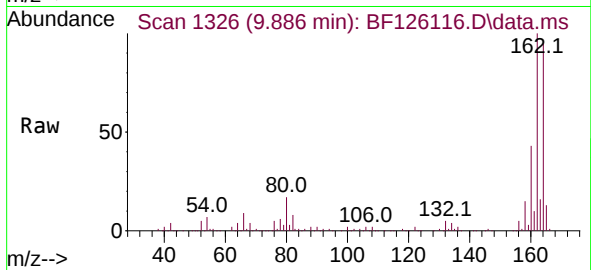




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

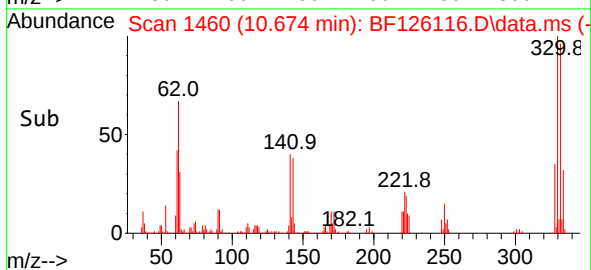
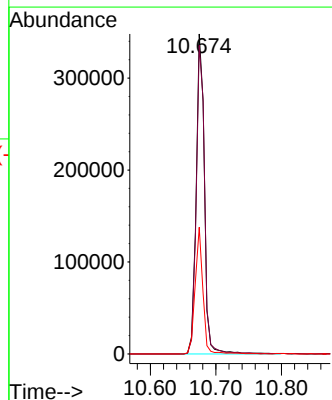
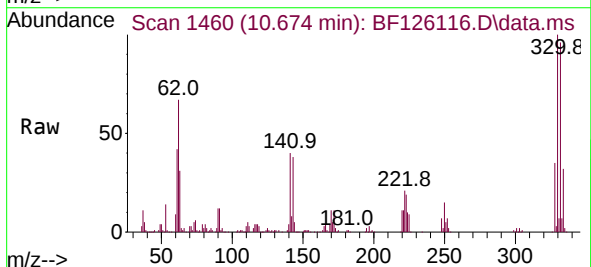
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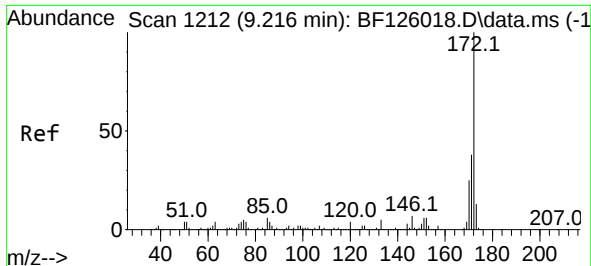
Tgt Ion:164 Resp: 276287
Ion Ratio Lower Upper
164 100
162 105.0 81.3 121.9
160 45.3 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 95.842 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

Tgt Ion:330 Resp: 303460
Ion Ratio Lower Upper
330 100
332 97.8 76.2 114.4
141 37.6 44.6 66.8#

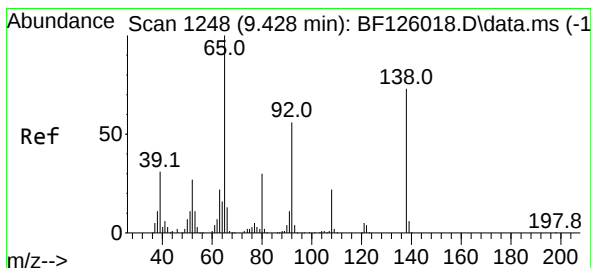
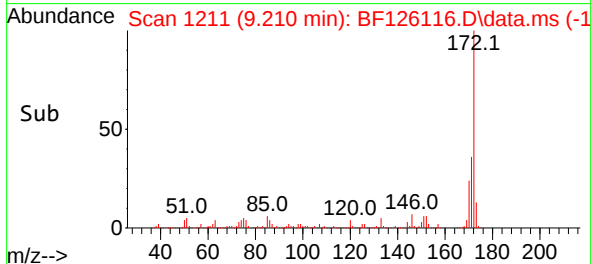
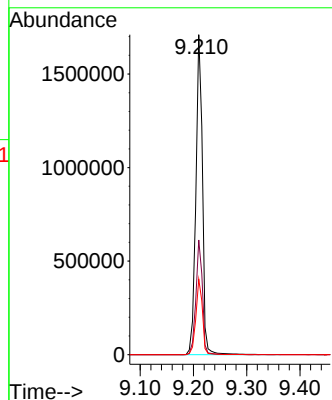
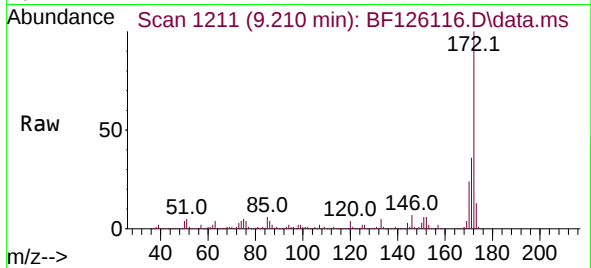




#45
2-Fluorobiphenyl
Concen: 72.017 ng
RT: 9.210 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

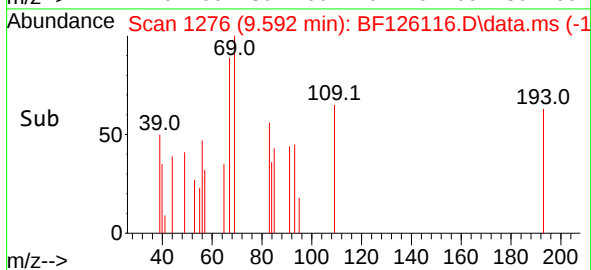
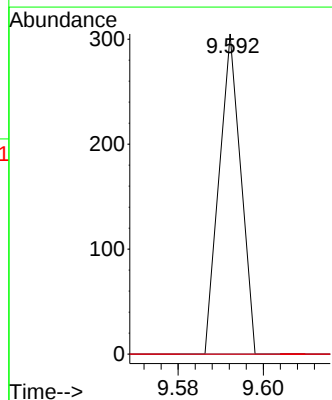
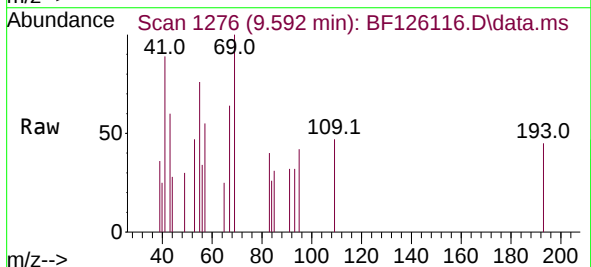
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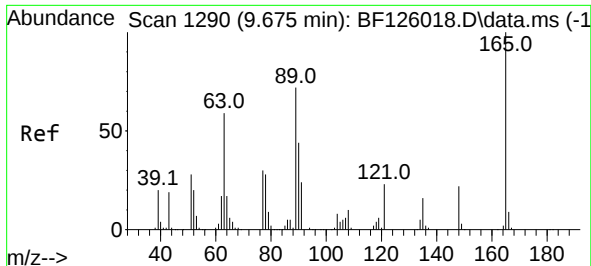
Tgt Ion:172 Resp: 1472389
Ion Ratio Lower Upper
172 100
171 35.8 26.5 39.7
170 23.6 18.8 28.2



#48
2-Nitroaniline
Concen: 2.868 ng
RT: 9.592 min Scan# 1276
Delta R.T. 0.164 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

Tgt Ion: 65 Resp: 108
Ion Ratio Lower Upper
65 100
92 0.0 55.5 83.3#
138 0.0 93.5 140.3#

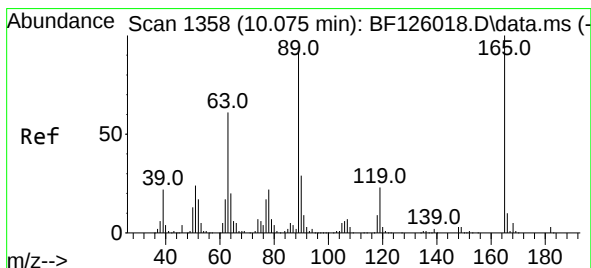
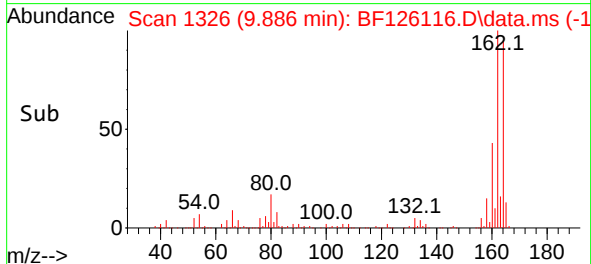
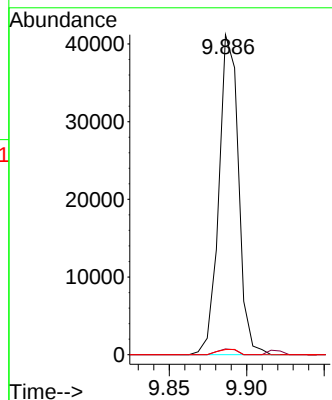
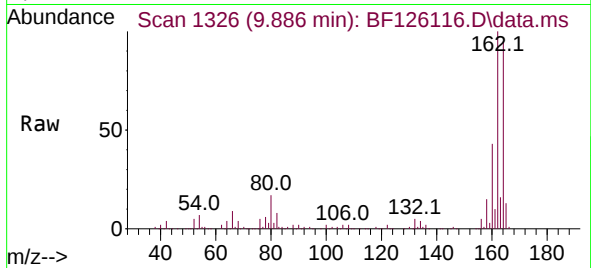




#51
2,6-Dinitrotoluene
Concen: 10.521 ng
RT: 9.886 min Scan# 11
Delta R.T. 0.211 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

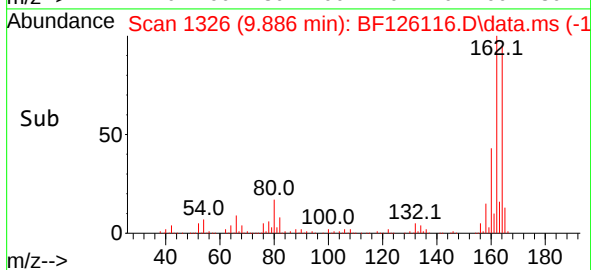
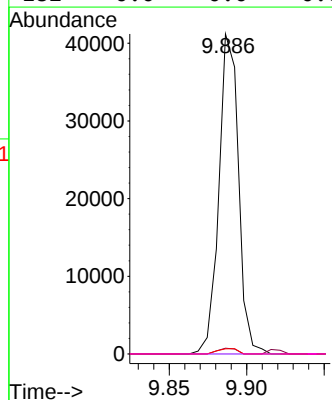
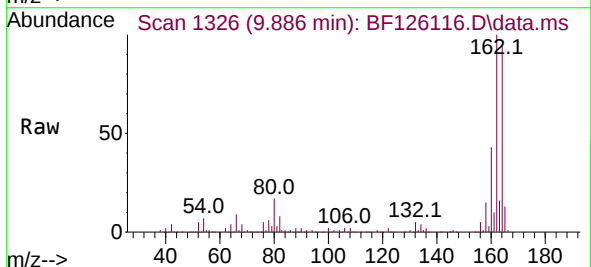
Instrument :
BNA_F
ClientSampleId :
AS-RO-COMP

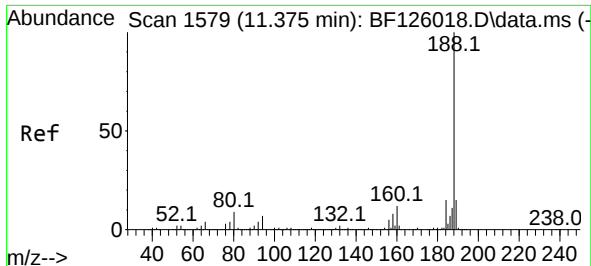
Tgt Ion:165 Resp: 36276
Ion Ratio Lower Upper
165 100
63 1.8 42.6 63.8#
89 1.6 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 9.987 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.189 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

Tgt Ion:165 Resp: 36276
Ion Ratio Lower Upper
165 100
63 1.8 40.9 61.3#
89 1.6 59.7 89.5#
182 0.0 0.0 0.0

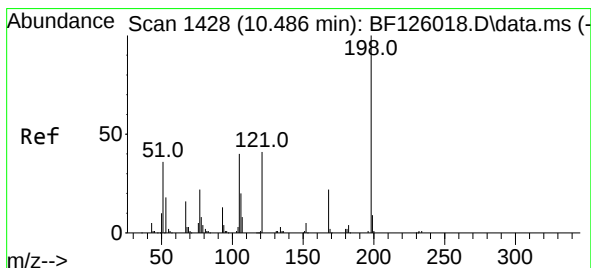
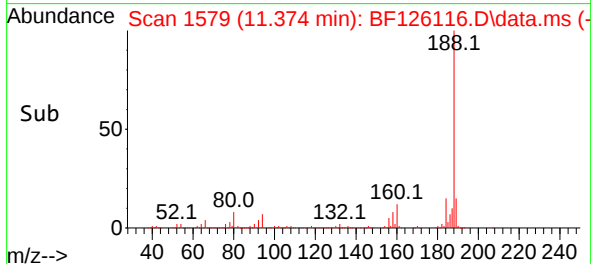
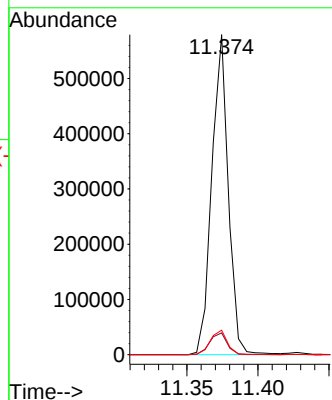
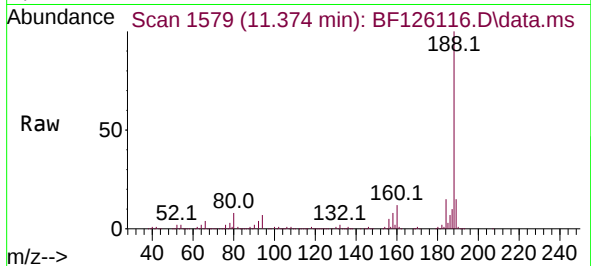




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.001 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

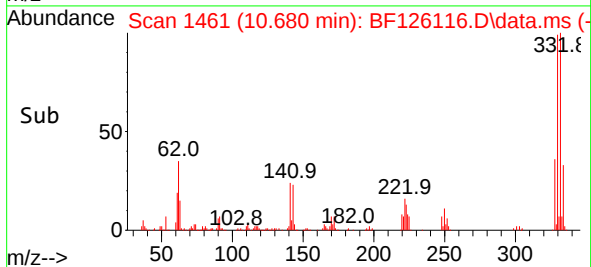
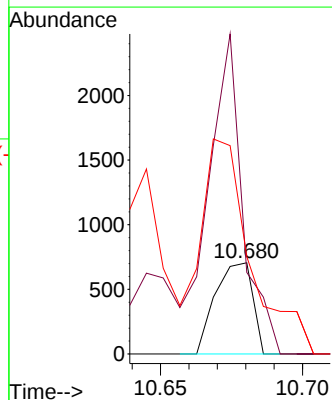
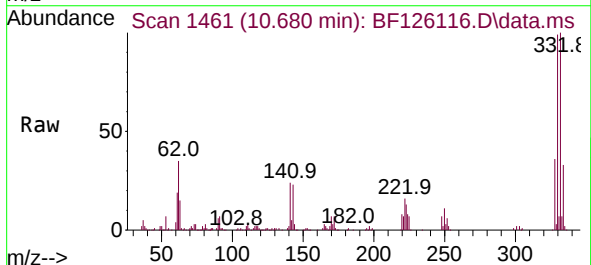
Instrument :
BNA_F
ClientSampleId :
AS-RO-COMP

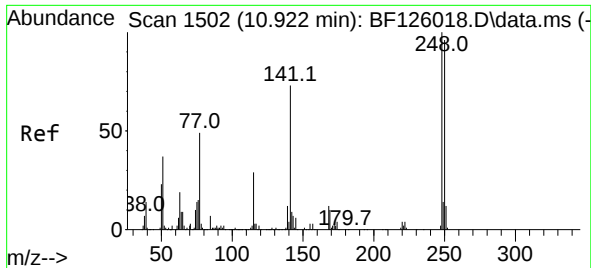
Tgt Ion:188 Resp: 468636
Ion Ratio Lower Upper
188 100
94 6.8 6.7 10.1
80 7.7 7.5 11.3



#65
4,6-Dinitro-2-methylphenol
Concen: 8.553 ng
RT: 10.680 min Scan# 1461
Delta R.T. 0.194 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

Tgt Ion:198 Resp: 644
Ion Ratio Lower Upper
198 100
51 89.5 45.3 85.3#
105 106.8 30.6 70.6#

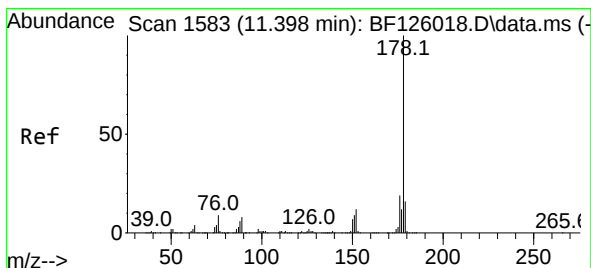
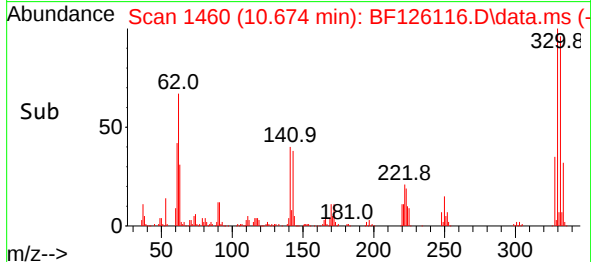
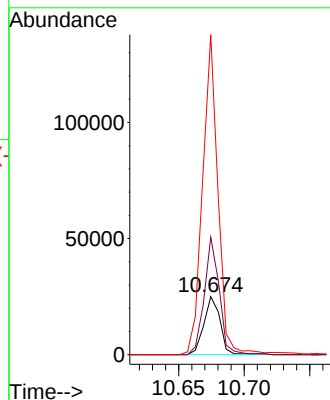
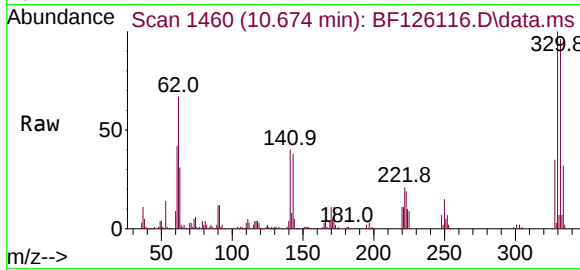




#67
4-Bromophenyl-phenylether
Concen: 3.799 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.248 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

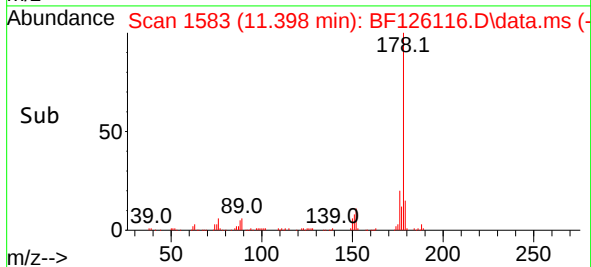
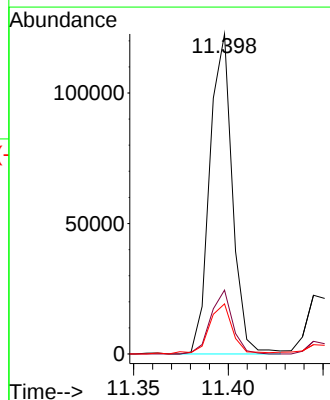
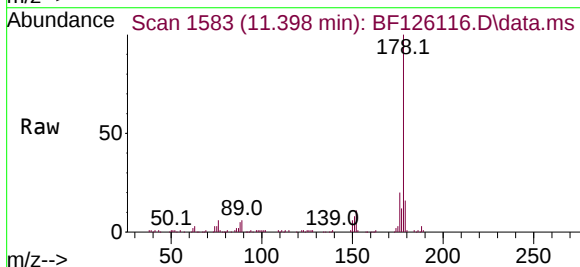
Instrument :
BNA_F
ClientSampleId :
AS-RO-COMP

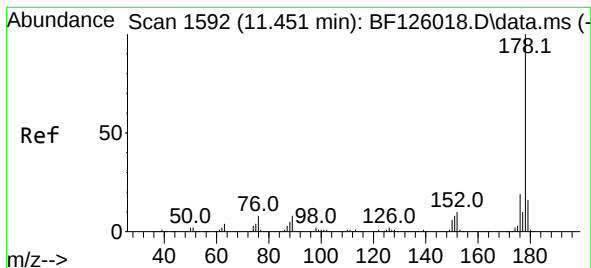
Tgt Ion:248 Resp: 21563
Ion Ratio Lower Upper
248 100
250 202.3 74.2 111.4#
141 551.5 60.4 90.6#



#71
Phenanthrene
Concen: 4.010 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

Tgt Ion:178 Resp: 101916
Ion Ratio Lower Upper
178 100
176 19.9 14.7 22.1
179 15.7 11.5 17.3





#72

Anthracene

Concen: 4.017 ng

RT: 11.398 min Scan# 1583

Delta R.T. -0.053 min

Lab File: BF126116.D

Acq: 10 Nov 2021 19:53

Instrument :

BNA_F

ClientSampleId :

AS-RO-COMP

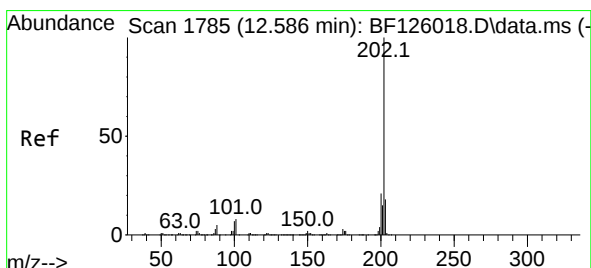
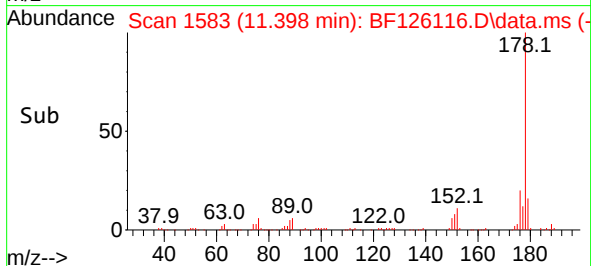
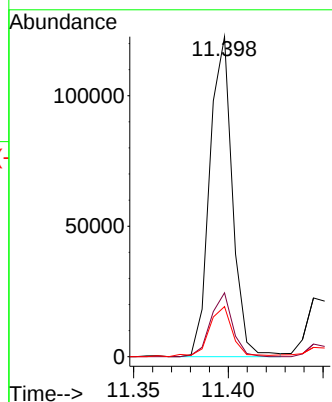
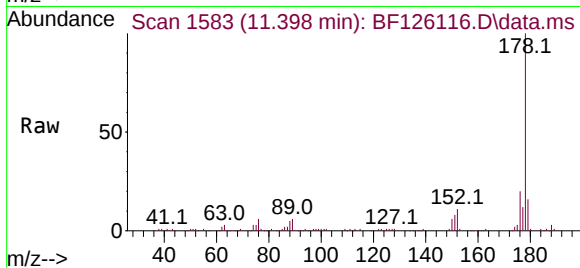
Tgt Ion:178 Resp: 101916

Ion Ratio Lower Upper

178 100

176 19.9 14.3 21.5

179 15.7 12.2 18.4



#75

Fluoranthene

Concen: 8.352 ng

RT: 12.586 min Scan# 1785

Delta R.T. 0.000 min

Lab File: BF126116.D

Acq: 10 Nov 2021 19:53

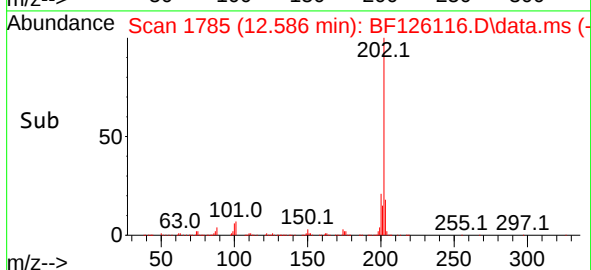
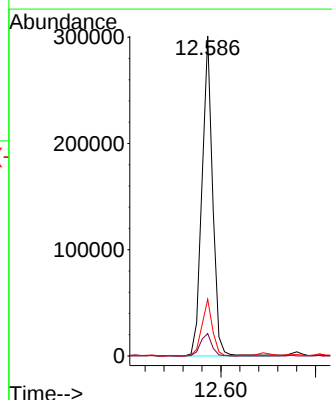
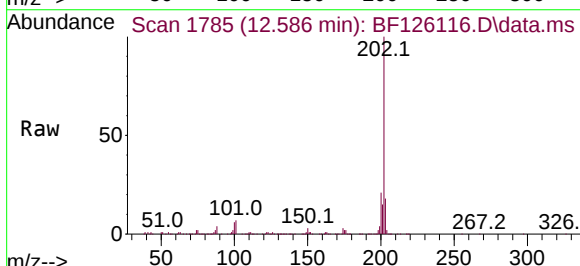
Tgt Ion:202 Resp: 236369

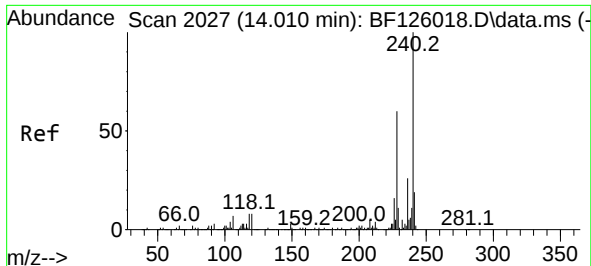
Ion Ratio Lower Upper

202 100

101 7.0 0.0 30.7

203 17.7 0.0 36.3

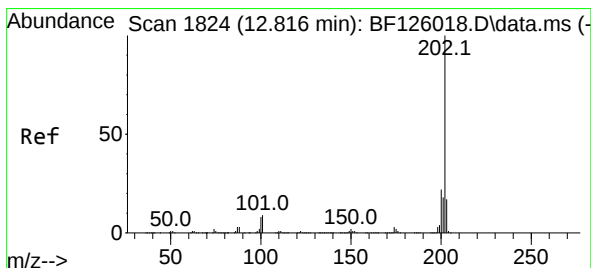
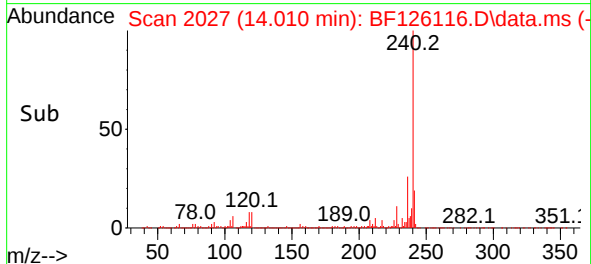
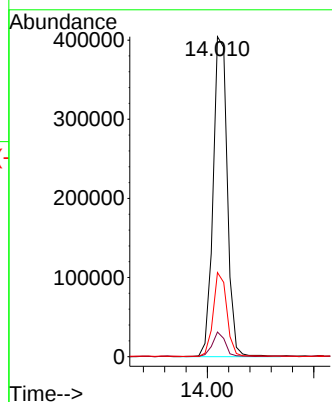
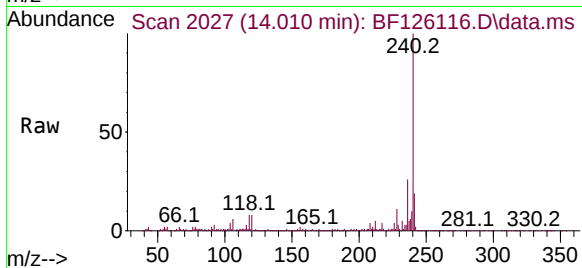




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

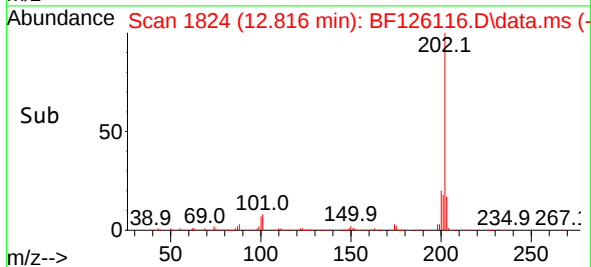
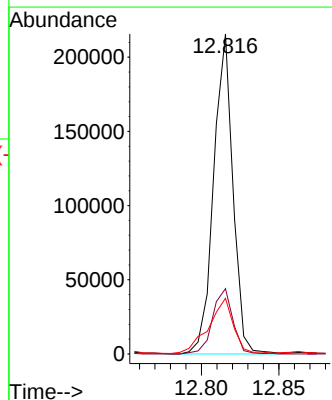
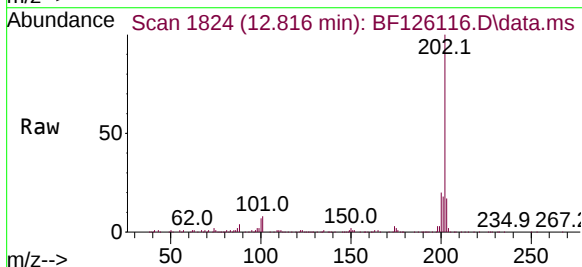
Instrument :
BNA_F
ClientSampleId :
AS-RO-COMP

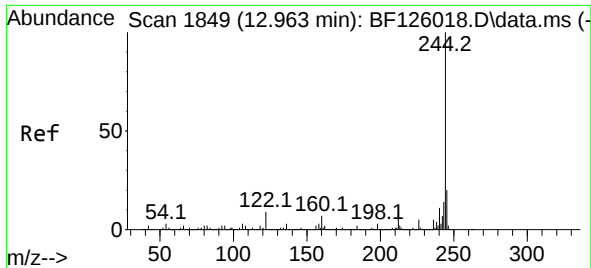
Tgt Ion:240 Resp: 376874
Ion Ratio Lower Upper
240 100
120 7.7 10.8 16.2#
236 26.3 21.6 32.4



#78
Pyrene
Concen: 6.180 ng
RT: 12.816 min Scan# 1824
Delta R.T. -0.001 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

Tgt Ion:202 Resp: 186778
Ion Ratio Lower Upper
202 100
200 20.4 15.3 22.9
203 17.4 13.4 20.0

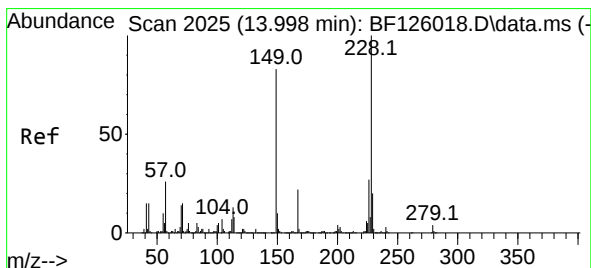
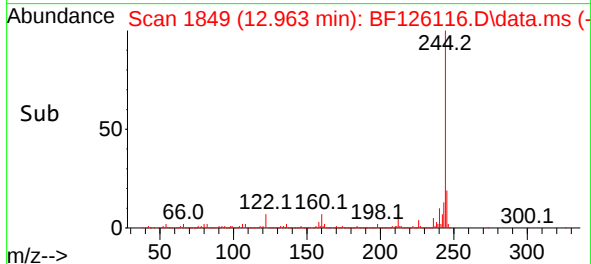
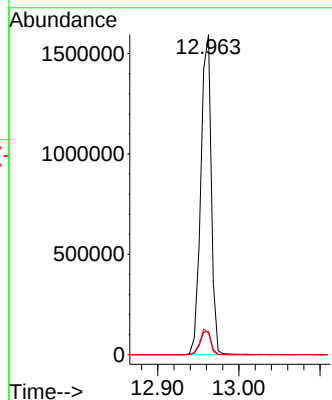
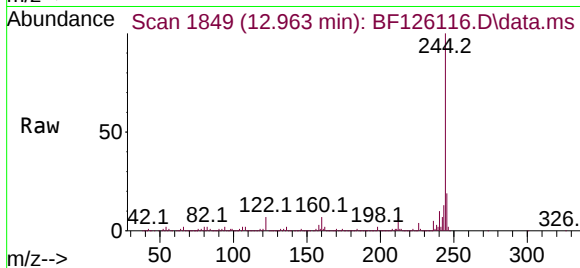




#79
 Terphenyl-d14
 Concen: 61.131 ng
 RT: 12.963 min Scan# 1849
 Delta R.T. -0.000 min
 Lab File: BF126116.D
 Acq: 10 Nov 2021 19:53

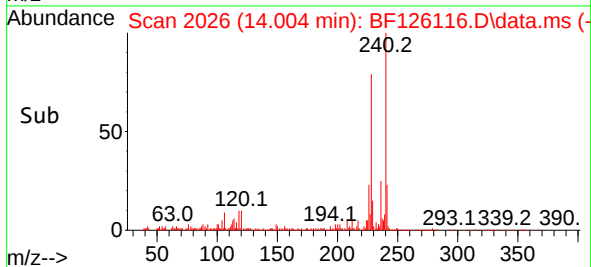
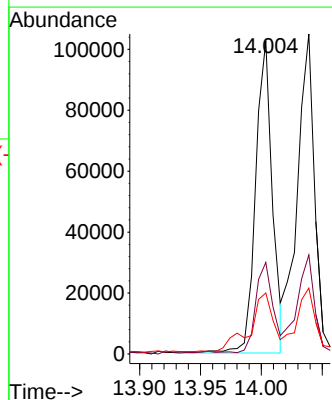
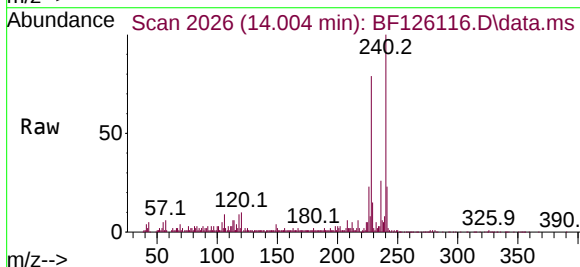
Instrument :
 BNA_F
 ClientSampleId :
 AS-RO-COMP

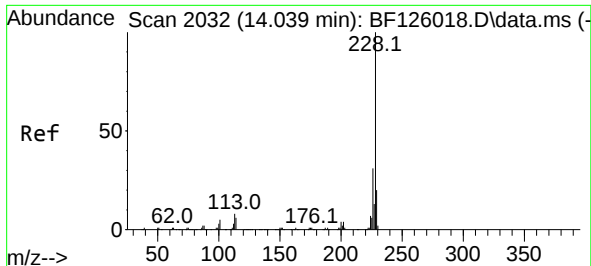
Tgt Ion:244 Resp: 1428709
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.9 8.9
 122 6.8 9.0 13.4#



#81
 Benzo(a)anthracene
 Concen: 3.780 ng
 RT: 14.004 min Scan# 2026
 Delta R.T. 0.006 min
 Lab File: BF126116.D
 Acq: 10 Nov 2021 19:53

Tgt Ion:228 Resp: 97875
 Ion Ratio Lower Upper
 228 100
 226 29.2 21.6 32.4
 229 19.5 15.6 23.4

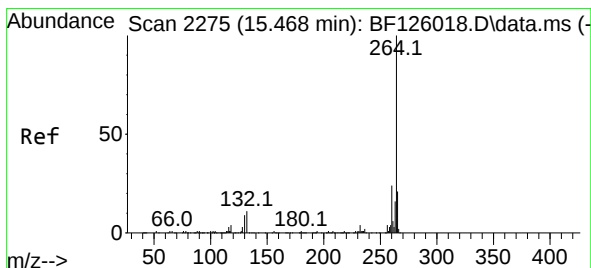
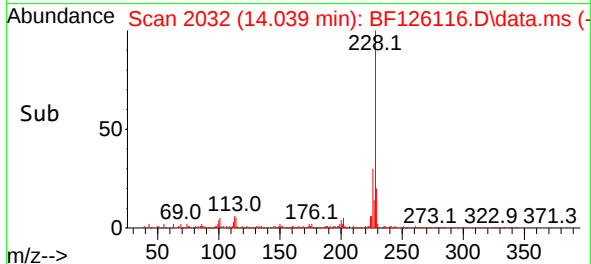
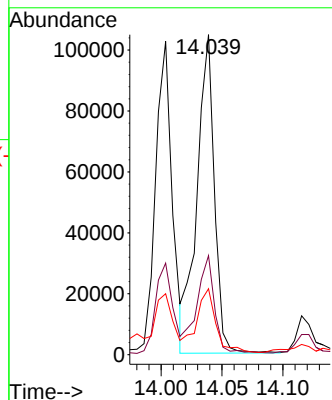
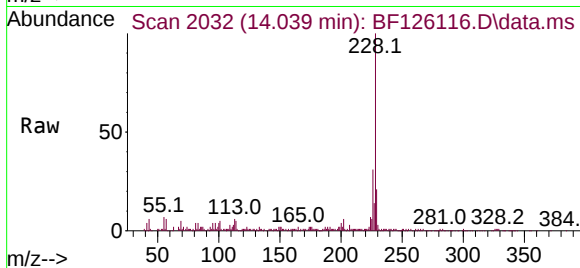




#83
Chrysene
Concen: 4.326 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

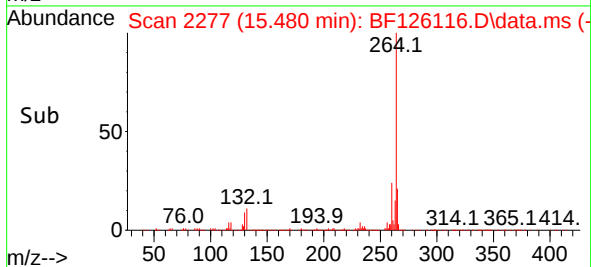
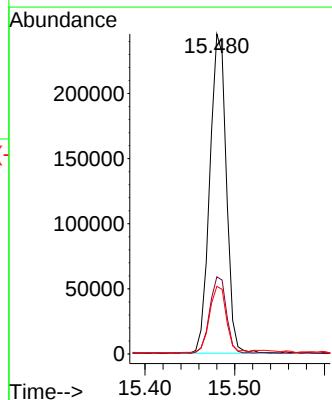
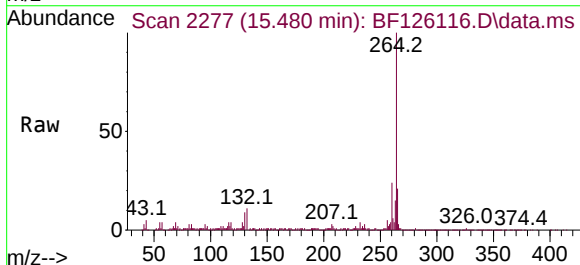
Instrument :
BNA_F
ClientSampleId :
AS-RO-COMP

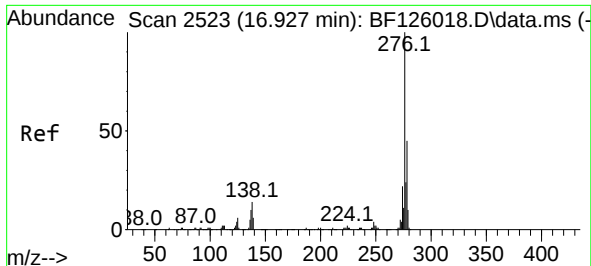
Tgt Ion:228 Resp: 104211
Ion Ratio Lower Upper
228 100
226 31.0 22.6 34.0
229 20.6 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2277
Delta R.T. 0.012 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

Tgt Ion:264 Resp: 312726
Ion Ratio Lower Upper
264 100
260 24.1 19.6 29.4
265 21.1 17.2 25.8

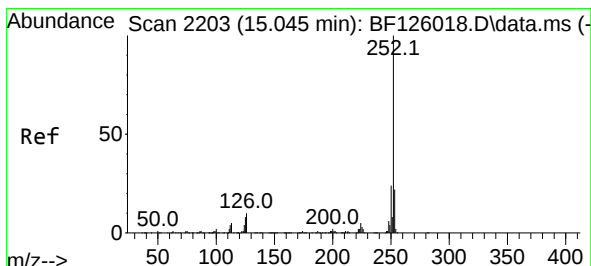
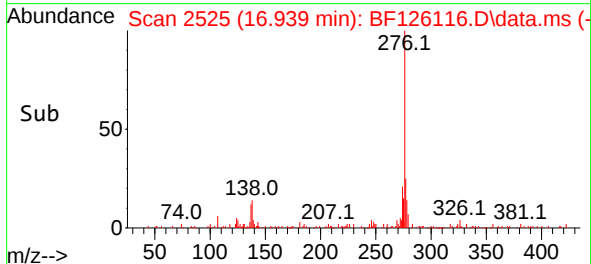
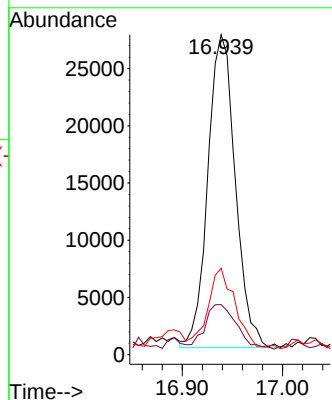
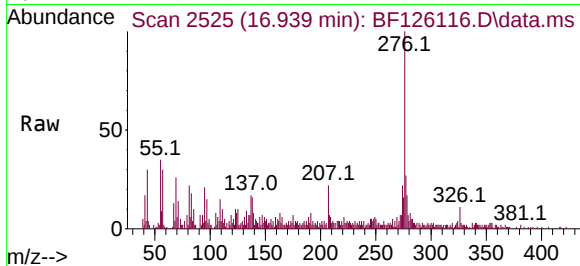




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.819 ng
RT: 16.939 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

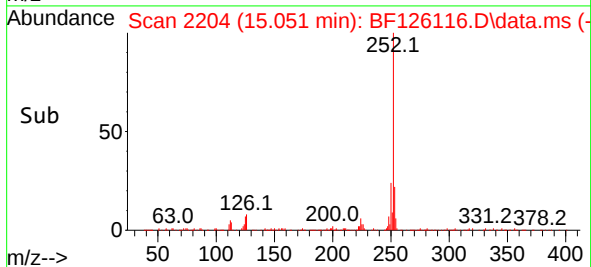
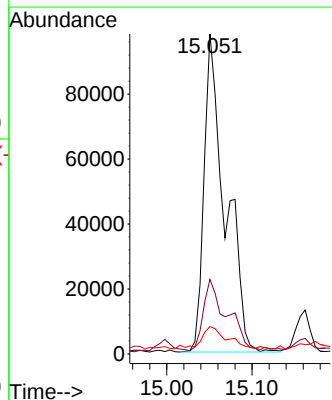
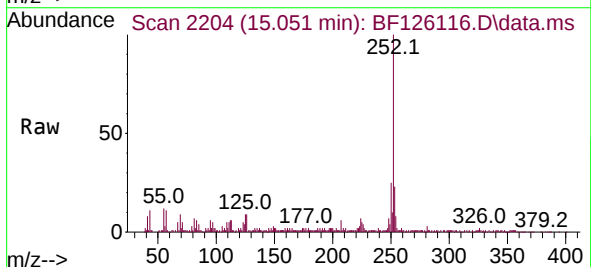
Instrument :
BNA_F
ClientSampleId :
AS-RO-COMP

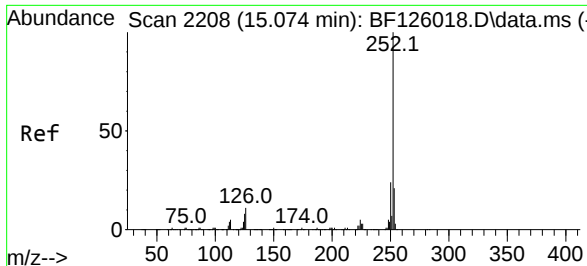
Tgt Ion:276 Resp: 52174
Ion Ratio Lower Upper
276 100
138 16.4 24.1 36.1#
277 25.9 18.8 28.2



#88
Benzo(b)fluoranthene
Concen: 8.359 ng
RT: 15.051 min Scan# 2204
Delta R.T. 0.006 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

Tgt Ion:252 Resp: 170030
Ion Ratio Lower Upper
252 100
253 23.3 16.8 25.2
125 8.6 9.8 14.8#

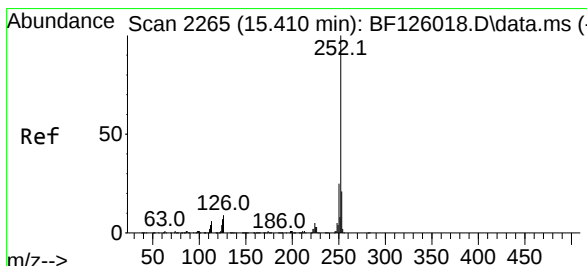
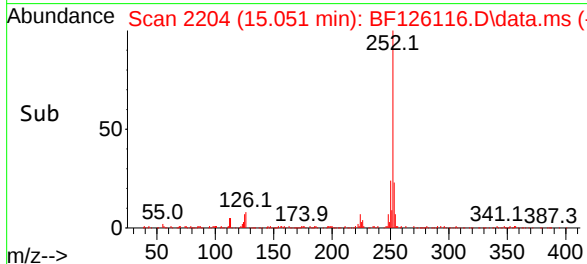
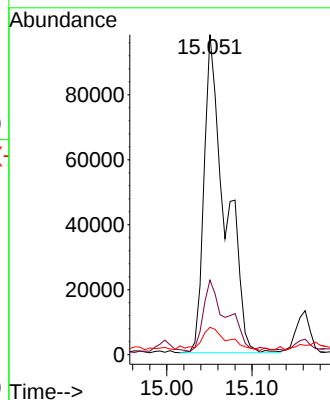
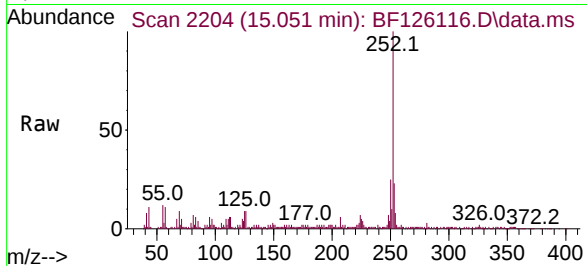




#89
Benzo(k)fluoranthene
Concen: 8.617 ng
RT: 15.051 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

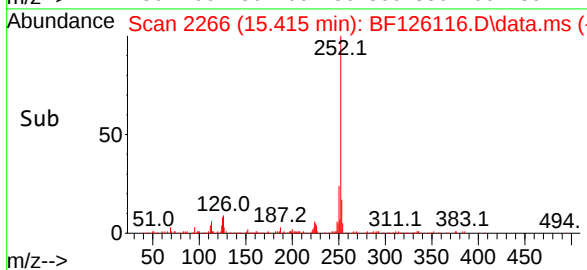
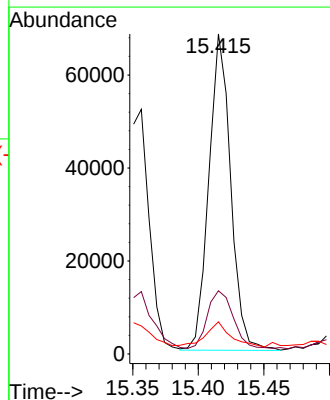
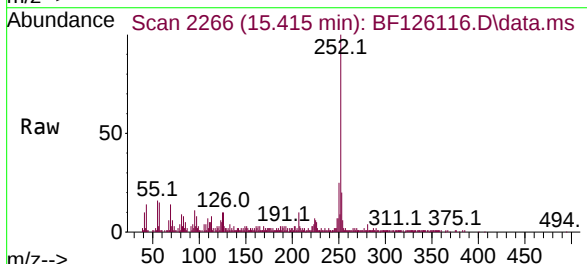
Instrument :
BNA_F
ClientSampleId :
AS-RO-COMP

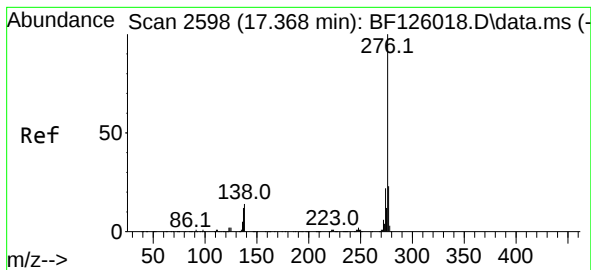
Tgt Ion:252 Resp: 170030
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 8.6 7.2 10.8



#90
Benzo(a)pyrene
Concen: 4.919 ng
RT: 15.415 min Scan# 2266
Delta R.T. 0.005 min
Lab File: BF126116.D
Acq: 10 Nov 2021 19:53

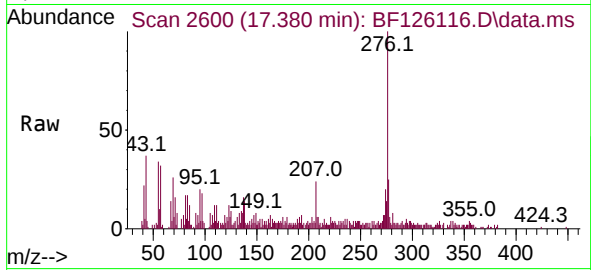
Tgt Ion:252 Resp: 78828
Ion Ratio Lower Upper
252 100
253 19.8 18.4 27.6
125 10.1 9.9 14.9





#92
 Benzo(g,h,i)perylene
 Concen: 3.622 ng
 RT: 17.380 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: BF126116.D
 Acq: 10 Nov 2021 19:53

Instrument :
 BNA_F
 ClientSampleId :
 AS-RO-COMP



Tgt Ion:	276	Resp:	52814
Ion Ratio	Lower	Upper	
276	100		
277	25.2	22.0	33.0
138	13.8	22.2	33.4#

