

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
 Data File : BF126369.D
 Acq On : 27 Dec 2021 22:15
 Operator : JU/CG
 Sample : M5230-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PSC164718

Quant Time: Dec 28 06:00:56 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 22 13:00:11 2021
 Response via : Initial Calibration

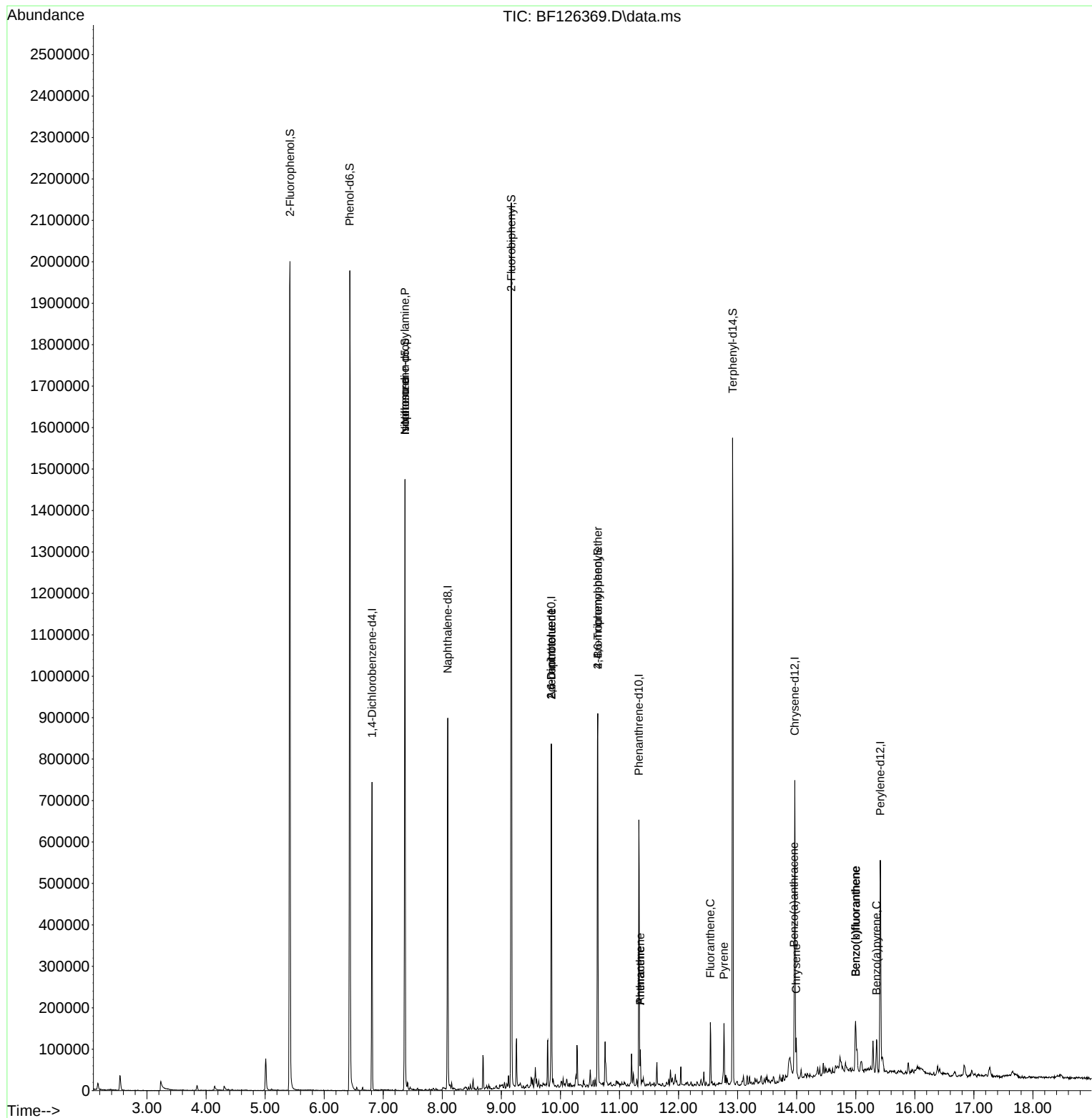
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	103901	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	397678	20.000	ng	#-0.01
39) Acenaphthene-d10	9.845	164	158474	20.000	ng	-0.01
64) Phenanthrene-d10	11.327	188	218473	20.000	ng	#-0.01
76) Chrysene-d12	13.968	240	214588	20.000	ng	-0.01
86) Perylene-d12	15.415	264	210470	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	628880	89.135	ng	0.00
7) Phenol-d6	6.434	99	760872	84.933	ng	-0.01
23) Nitrobenzene-d5	7.369	82	462829	63.032	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	110714	86.932	ng	-0.01
45) 2-Fluorobiphenyl	9.169	172	619428	68.554	ng	-0.01
79) Terphenyl-d14	12.916	244	507380	41.097	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.369	70	57452	10.447	ng	# 53
25) Isophorone	7.369	82	462824	33.378	ng	# 59
51) 2,6-Dinitrotoluene	9.845	165	20016	9.212	ng	# 26
57) 2,4-Dinitrotoluene	9.845	165	20016	7.222	ng	# 18
67) 4-Bromophenyl-phenylether	10.633	248	5846	2.851	ng	# 1
71) Phenanthrene	11.351	178	28153	2.497	ng	100
72) Anthracene	11.351	178	28153	2.487	ng	99
75) Fluoranthene	12.539	202	54672	5.381	ng	89
78) Pyrene	12.769	202	53635	2.721	ng	95
81) Benzo(a)anthracene	13.957	228	27205	2.140	ng	96
83) Chrysene	13.992	228	34095	2.582	ng	98
88) Benzo(b)fluoranthene	14.998	252	81051	6.409	ng	# 96
89) Benzo(k)fluoranthene	14.998	252	81051	6.700	ng	# 95
90) Benzo(a)pyrene	15.351	252	35950	3.420	ng	# 94

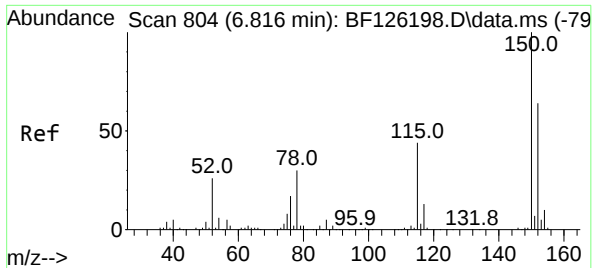
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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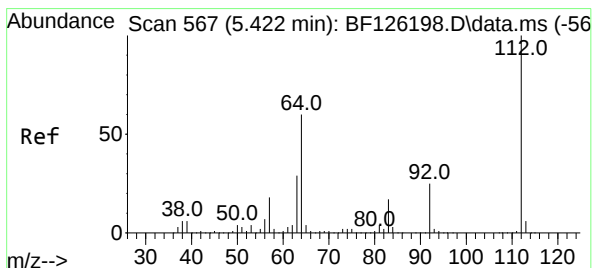
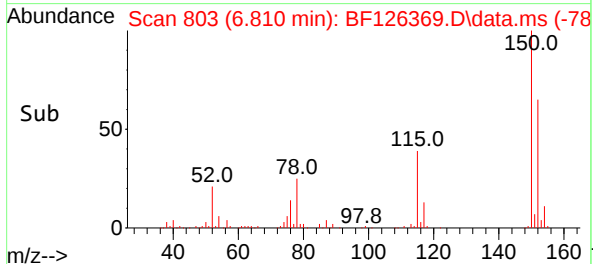
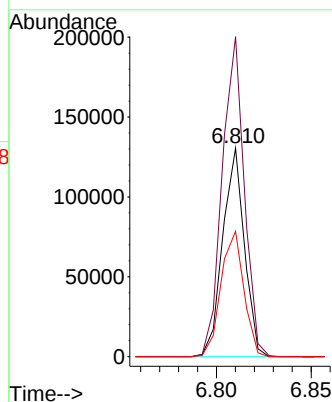
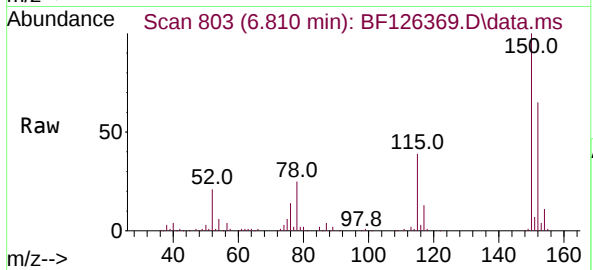




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF126369.D
Acq: 27 Dec 2021 22:15

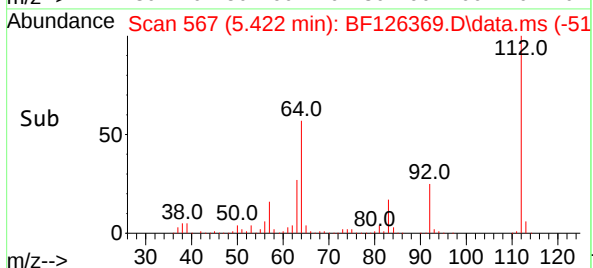
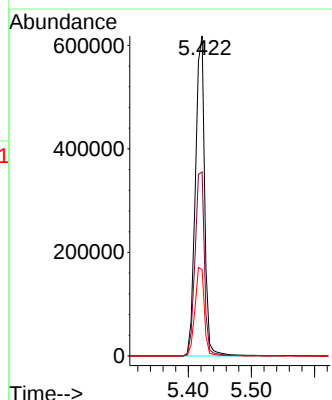
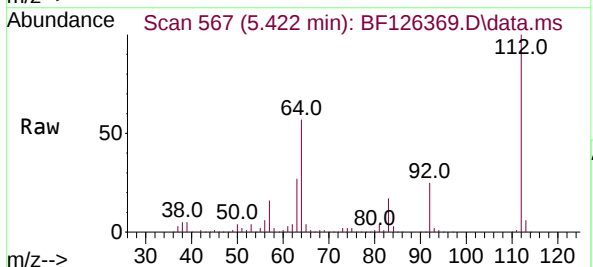
Instrument :
BNA_F
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PSC164718

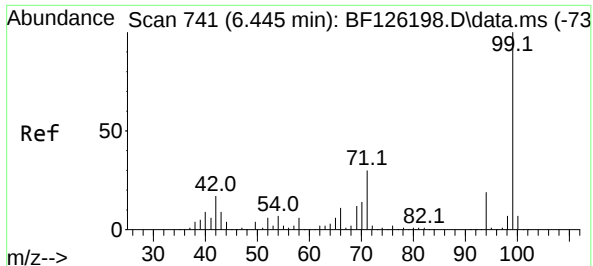
Tgt Ion:152 Resp: 103901
Ion Ratio Lower Upper
152 100
150 153.4 117.6 176.4
115 60.1 47.1 70.7



#5
2-Fluorophenol
Concen: 89.135 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF126369.D
Acq: 27 Dec 2021 22:15

Tgt Ion:112 Resp: 628880
Ion Ratio Lower Upper
112 100
64 57.5 44.2 66.2
63 27.0 26.2 39.2

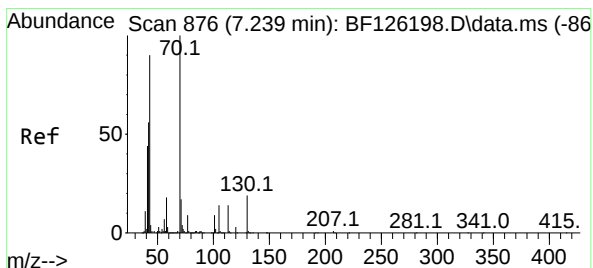
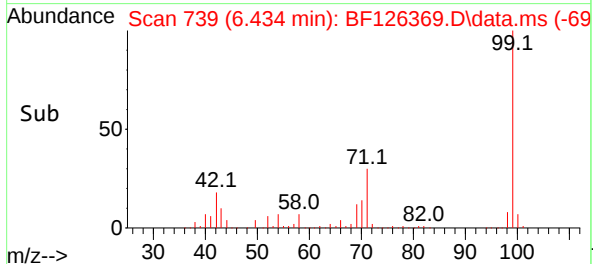
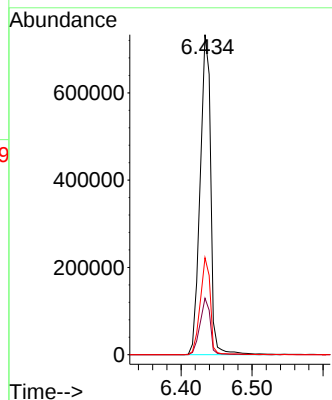
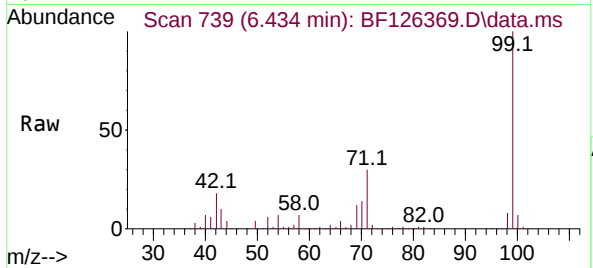




#7
Phenol-d6
Concen: 84.933 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF126369.D
Acq: 27 Dec 2021 22:15

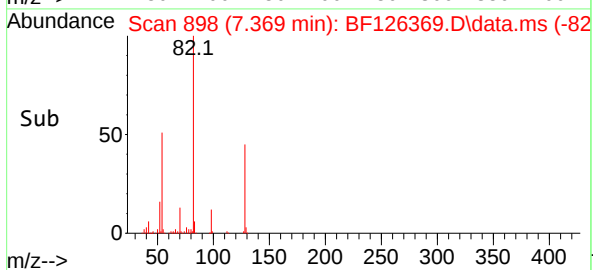
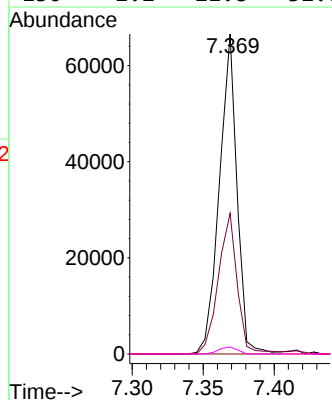
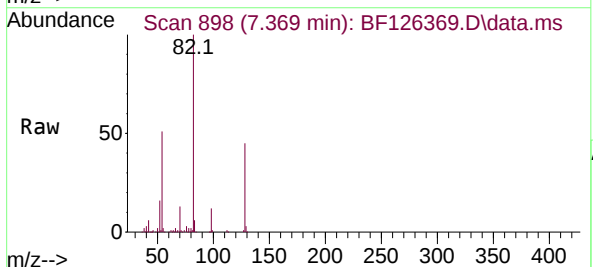
Instrument :
BNA_F
ClientSampleId :
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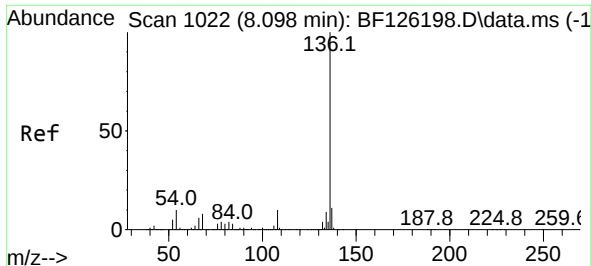
Tgt Ion: 99 Resp: 760872
Ion Ratio Lower Upper
99 100
42 17.7 23.5 35.3#
71 30.3 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.447 ng
RT: 7.369 min Scan# 898
Delta R.T. 0.135 min
Lab File: BF126369.D
Acq: 27 Dec 2021 22:15

Tgt Ion: 70 Resp: 57452
Ion Ratio Lower Upper
70 100
42 43.9 72.2 108.2#
101 0.0 7.8 11.8#
130 2.2 21.8 32.6#

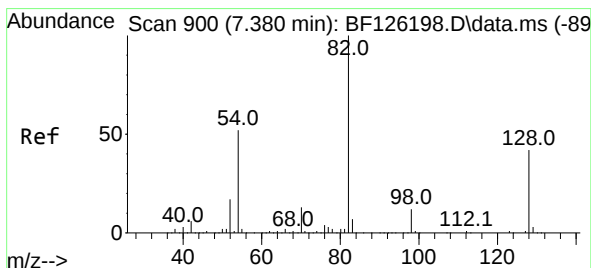
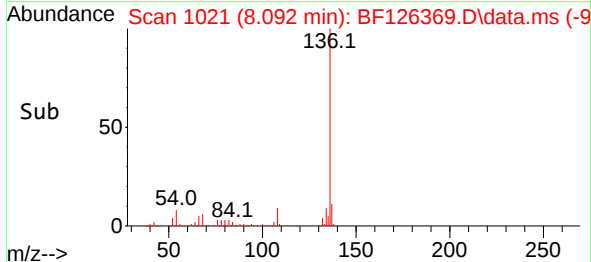
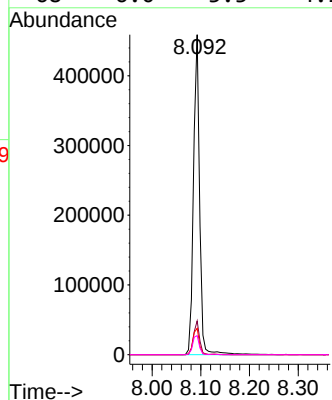
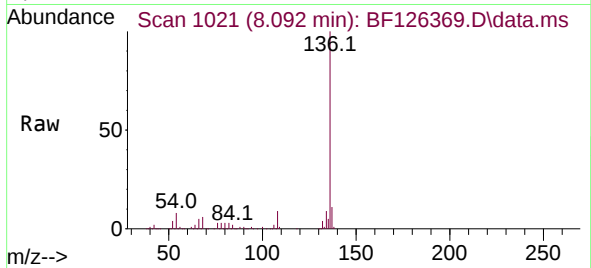




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 10
Delta R.T. -0.012 min
Lab File: BF126369.D
Acq: 27 Dec 2021 22:15

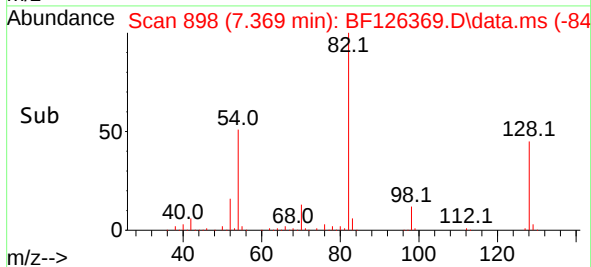
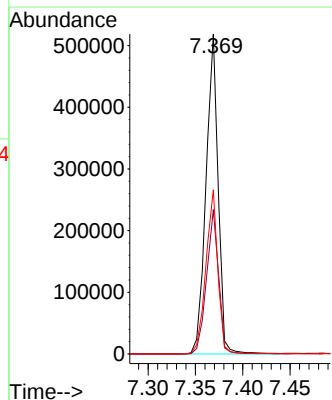
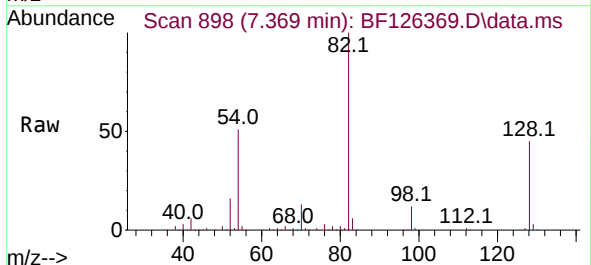
Instrument :
BNA_F
ClientSampleId :
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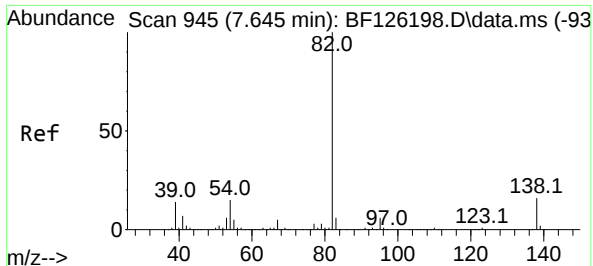
Tgt Ion:	136	Resp:	397678
Ion Ratio	Lower	Upper	
136	100		
137	10.6	9.8	14.6
54	8.2	6.4	9.6
68	6.0	3.3	4.9



#23
Nitrobenzene-d5
Concen: 63.032 ng
RT: 7.369 min Scan# 898
Delta R.T. -0.012 min
Lab File: BF126369.D
Acq: 27 Dec 2021 22:15

Tgt Ion:	82	Resp:	462829
Ion Ratio	Lower	Upper	
82	100		
128	45.1	40.6	60.8
54	51.3	49.6	74.4

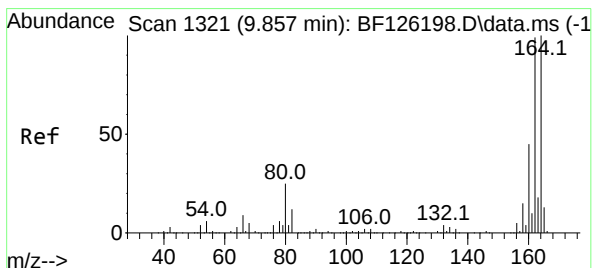
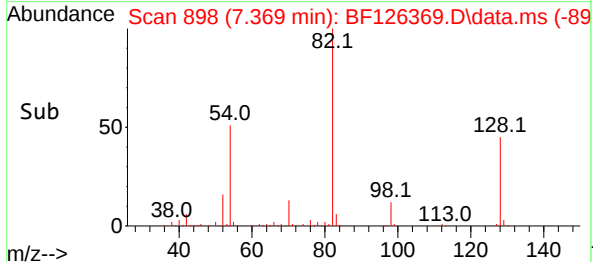
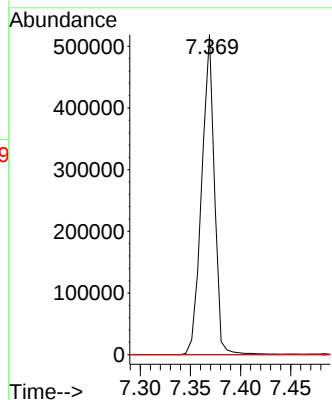
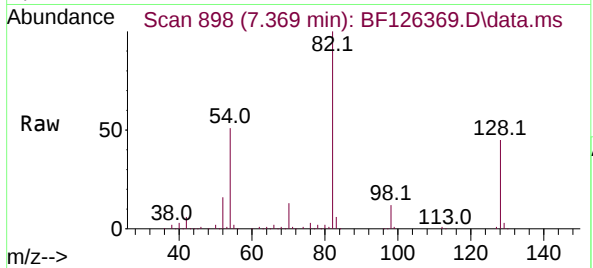




#25
Isophorone
Concen: 33.378 ng
RT: 7.369 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF126369.D
Acq: 27 Dec 2021 22:15

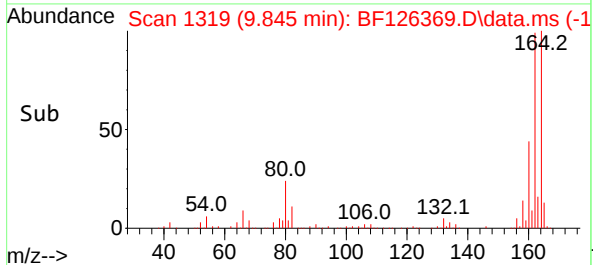
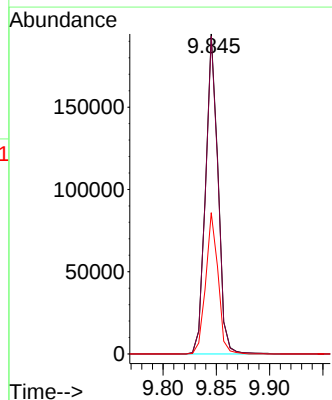
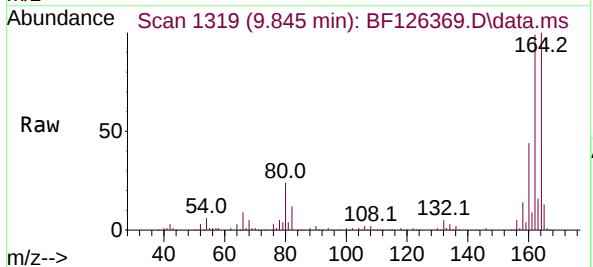
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ClientSampleId :
PSC164718

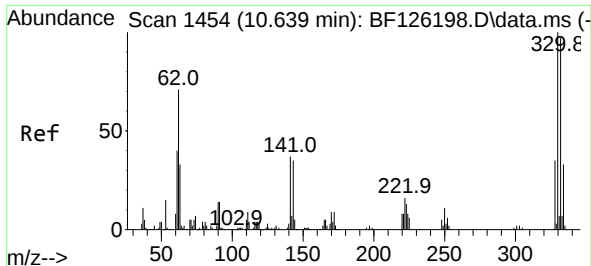
Tgt Ion: 82 Resp: 462824
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.012 min
Lab File: BF126369.D
Acq: 27 Dec 2021 22:15

Tgt Ion: 164 Resp: 158474
Ion Ratio Lower Upper
164 100
162 99.2 81.3 121.9
160 44.2 38.0 57.0





#42

2,4,6-Tribromophenol

Concen: 86.932 ng

RT: 10.633 min Scan# 1454

Delta R.T. -0.012 min

Lab File: BF126369.D

Acq: 27 Dec 2021 22:15

Instrument :

BNA_F

ClientSampleId :

PSC164718

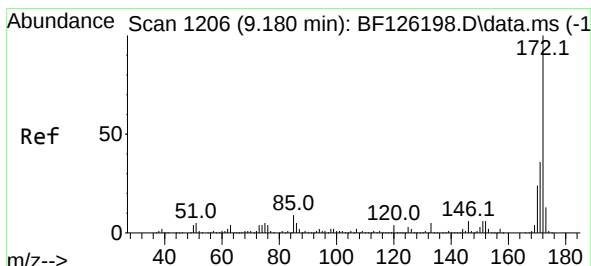
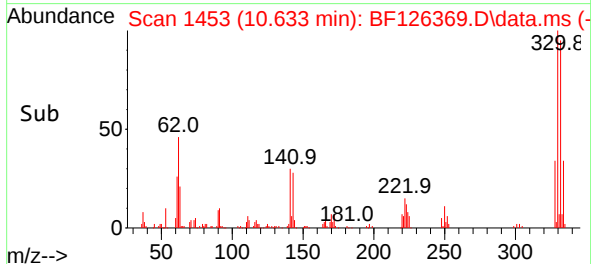
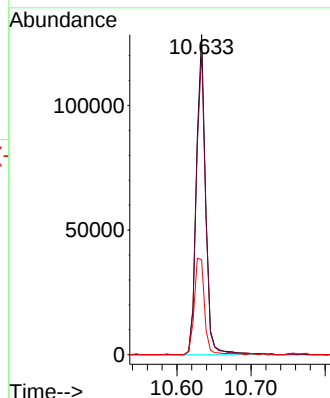
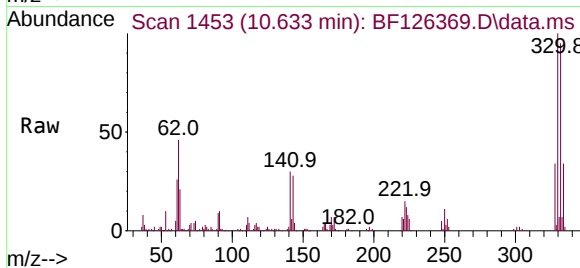
Tgt Ion:330 Resp: 110714

Ion Ratio Lower Upper

330 100

332 95.4 76.2 114.4

141 33.8 44.6 66.8#



#45

2-Fluorobiphenyl

Concen: 68.554 ng

RT: 9.169 min Scan# 1204

Delta R.T. -0.012 min

Lab File: BF126369.D

Acq: 27 Dec 2021 22:15

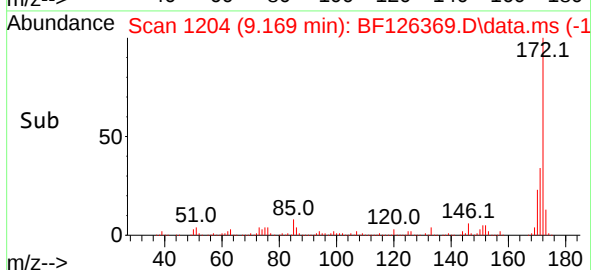
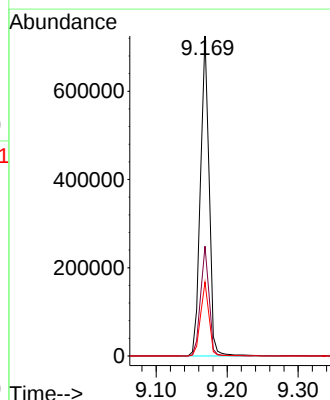
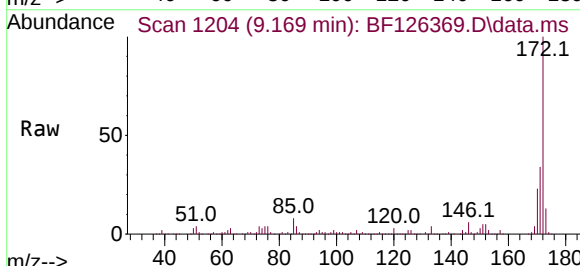
Tgt Ion:172 Resp: 619428

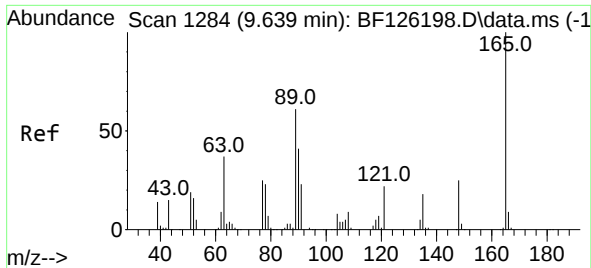
Ion Ratio Lower Upper

172 100

171 34.3 26.5 39.7

170 23.1 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 9.212 ng

RT: 9.845 min Scan# 1319

Delta R.T. 0.206 min

Lab File: BF126369.D

Acq: 27 Dec 2021 22:15

Instrument :

BNA_F

ClientSampleId :

PSC164718

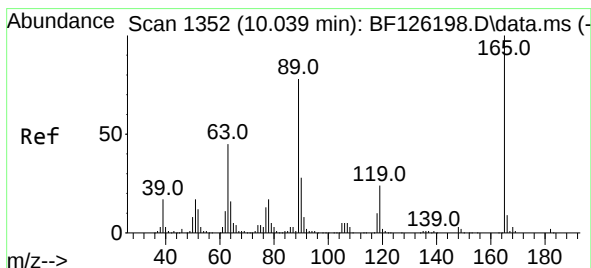
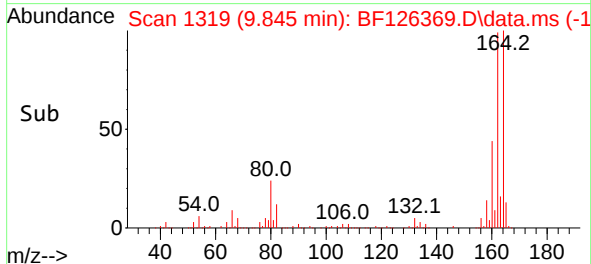
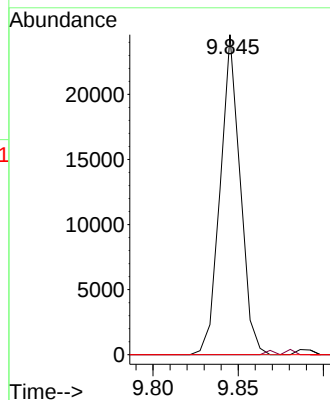
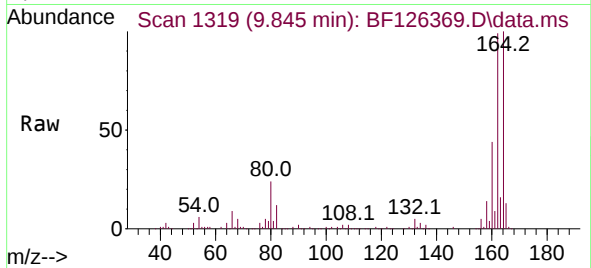
Tgt Ion:165 Resp: 20016

Ion Ratio Lower Upper

165 100

63 0.0 42.6 63.8#

89 0.0 40.6 60.8#



#57

2,4-Dinitrotoluene

Concen: 7.222 ng

RT: 9.845 min Scan# 1319

Delta R.T. -0.194 min

Lab File: BF126369.D

Acq: 27 Dec 2021 22:15

Tgt Ion:165 Resp: 20016

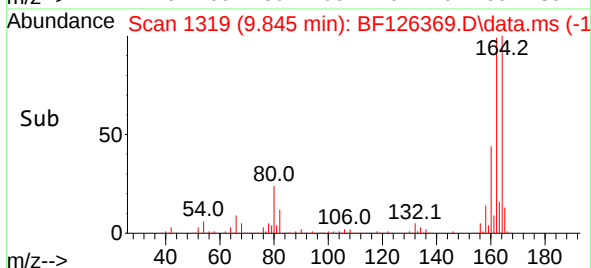
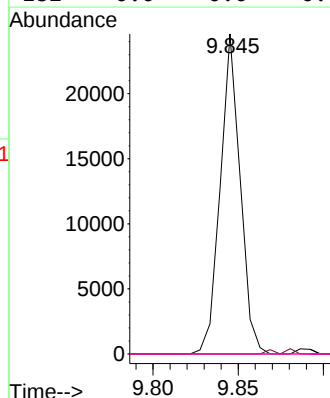
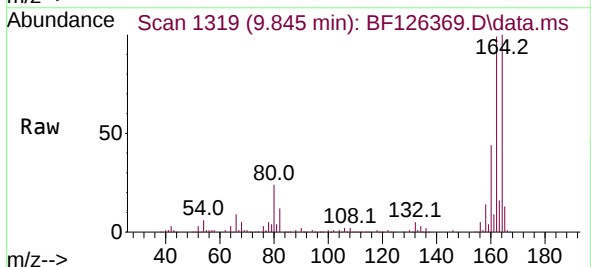
Ion Ratio Lower Upper

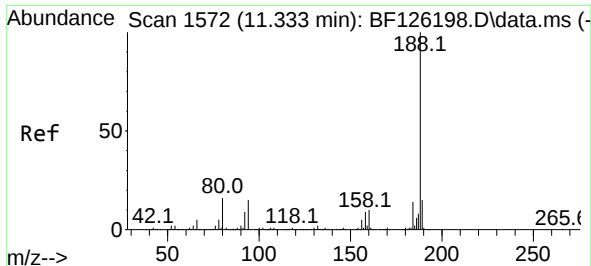
165 100

63 0.0 40.9 61.3#

89 0.0 59.7 89.5#

182 0.0 0.0 0.0

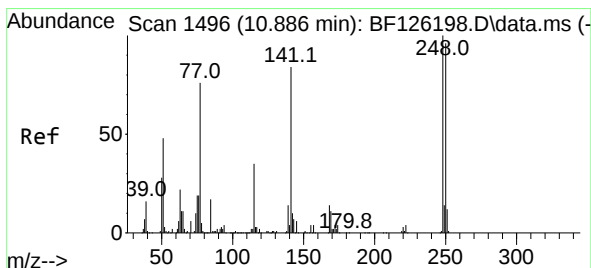
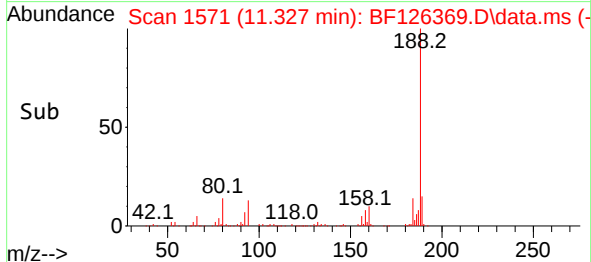
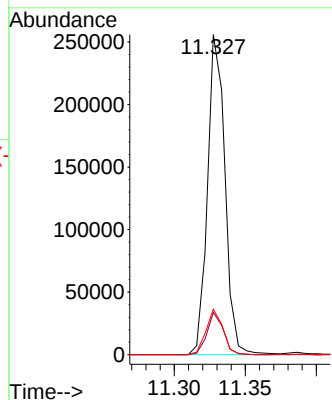
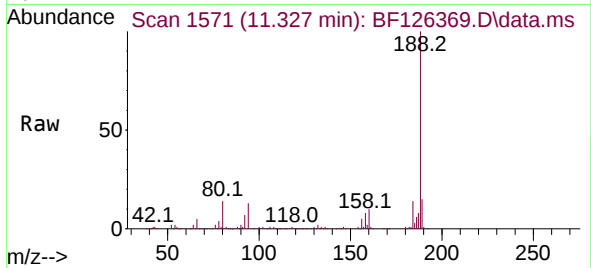




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126369.D
Acq: 27 Dec 2021 22:15

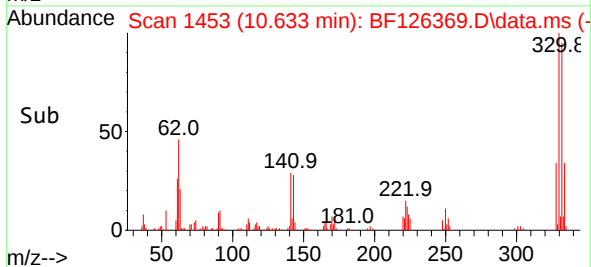
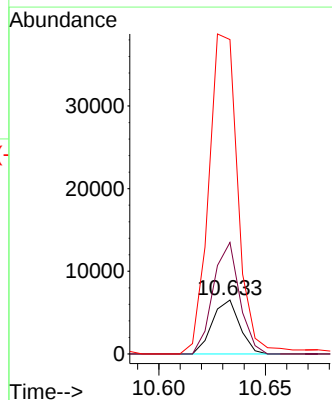
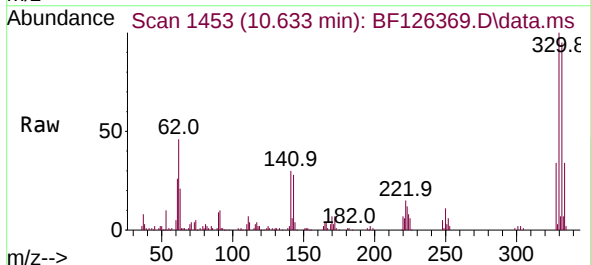
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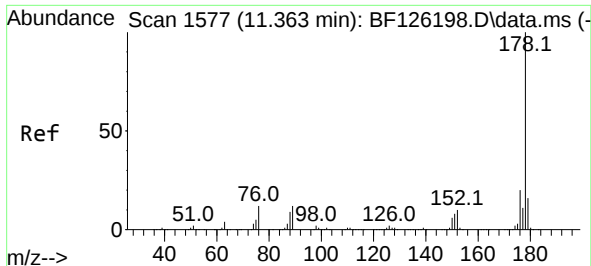
Tgt Ion:188 Resp: 218473
Ion Ratio Lower Upper
188 100
94 13.2 6.7 10.1#
80 14.2 7.5 11.3#



#67
4-Bromophenyl-phenylether
Concen: 2.851 ng
RT: 10.633 min Scan# 1453
Delta R.T. -0.253 min
Lab File: BF126369.D
Acq: 27 Dec 2021 22:15

Tgt Ion:248 Resp: 5846
Ion Ratio Lower Upper
248 100
250 206.9 74.2 111.4#
141 583.5 60.4 90.6#

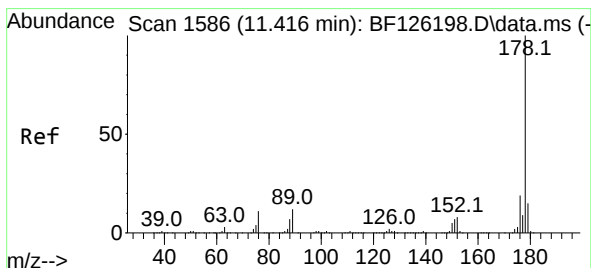
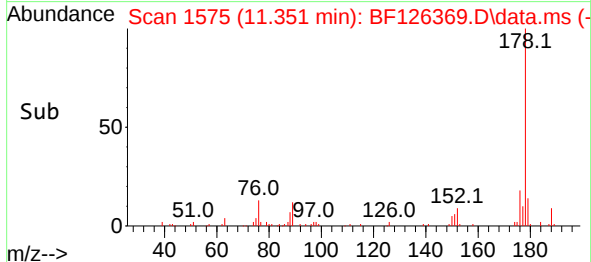
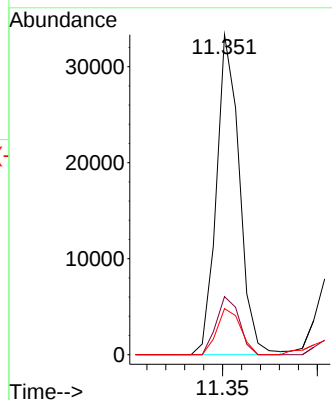
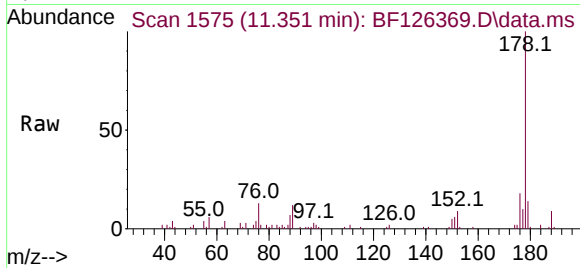




#71
Phenanthrene
Concen: 2.497 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF126369.D
Acq: 27 Dec 2021 22:15

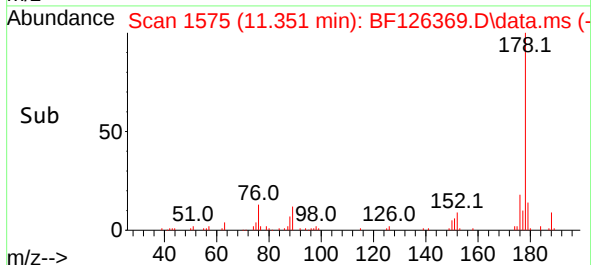
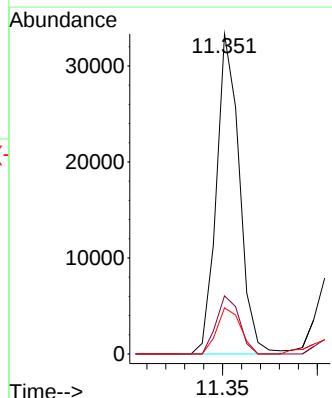
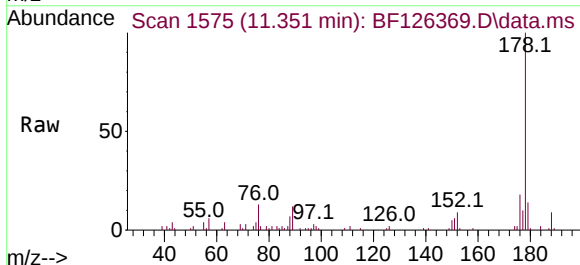
Instrument :
BNA_F
ClientSampleId :
PSC164718

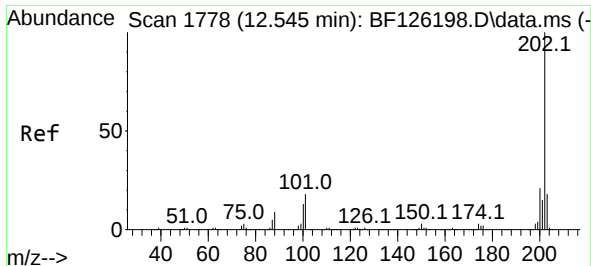
Tgt Ion:178 Resp: 28153
Ion Ratio Lower Upper
178 100
176 18.1 14.7 22.1
179 14.4 11.5 17.3



#72
Anthracene
Concen: 2.487 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.065 min
Lab File: BF126369.D
Acq: 27 Dec 2021 22:15

Tgt Ion:178 Resp: 28153
Ion Ratio Lower Upper
178 100
176 18.1 14.3 21.5
179 14.4 12.2 18.4

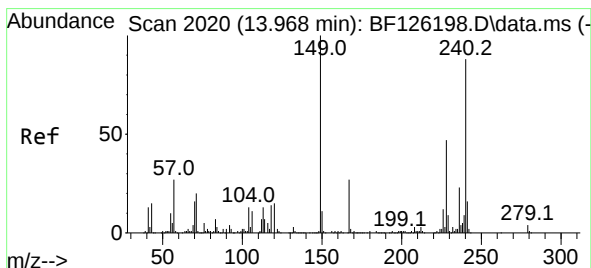
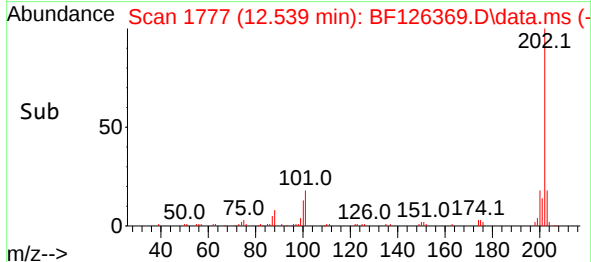
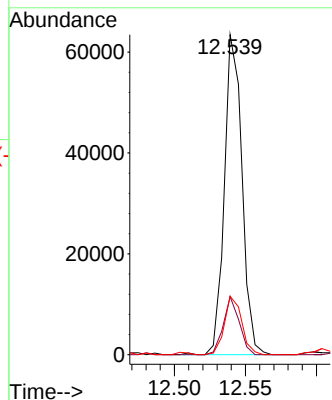
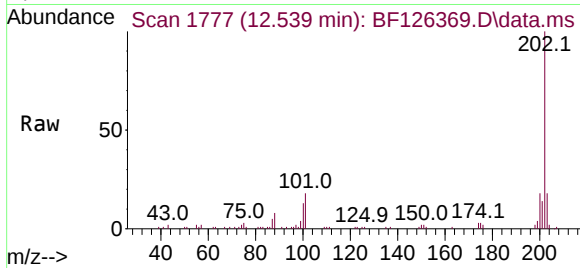




#75
Fluoranthene
Concen: 5.381 ng
RT: 12.539 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126369.D
Acq: 27 Dec 2021 22:15

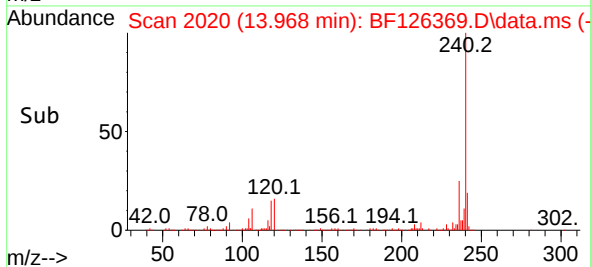
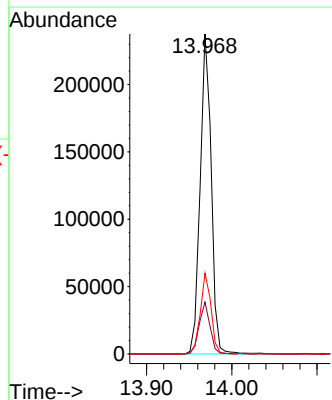
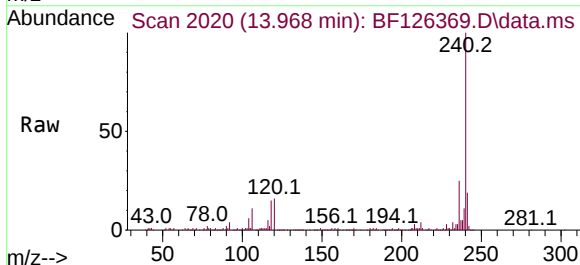
Instrument :
BNA_F
ClientSampleId :
PSC164718

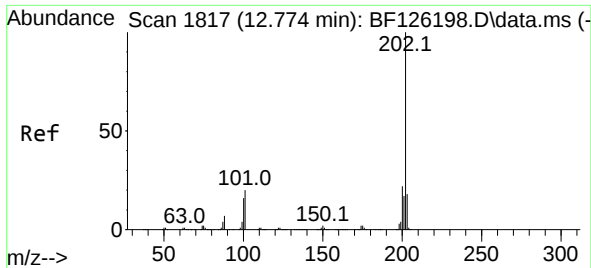
Tgt Ion:	202	Resp:	54672
Ion Ratio	Lower	Upper	
202	100		
101	18.2	0.0	30.7
203	18.3	0.0	36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF126369.D
Acq: 27 Dec 2021 22:15

Tgt Ion:	240	Resp:	214588
Ion Ratio	Lower	Upper	
240	100		
120	16.2	10.8	16.2
236	25.3	21.6	32.4

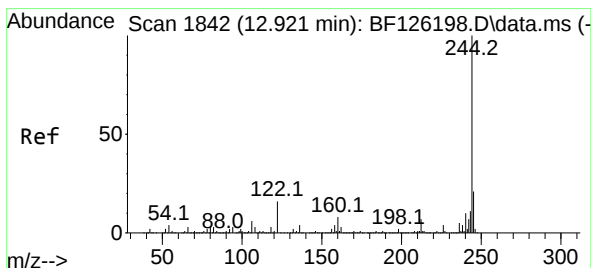
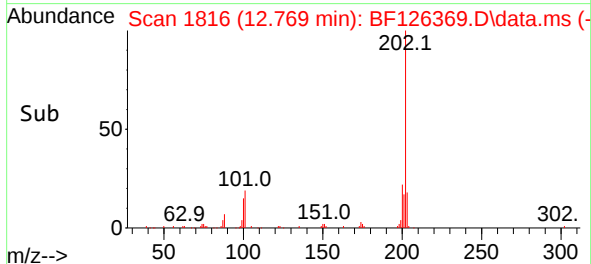
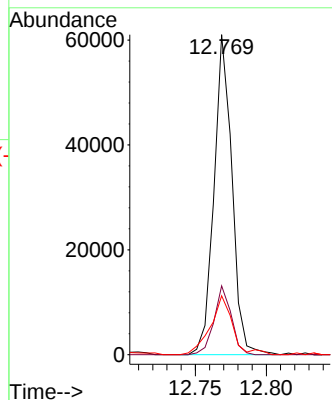
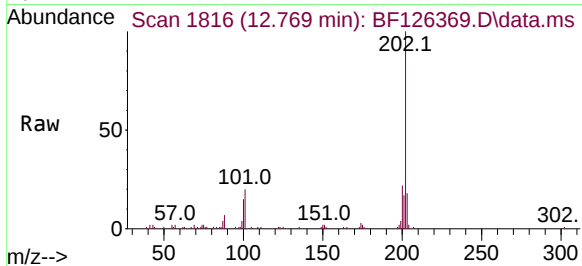




#78
Pyrene
Concen: 2.721 ng
RT: 12.769 min Scan# 1816
Delta R.T. -0.012 min
Lab File: BF126369.D
Acq: 27 Dec 2021 22:15

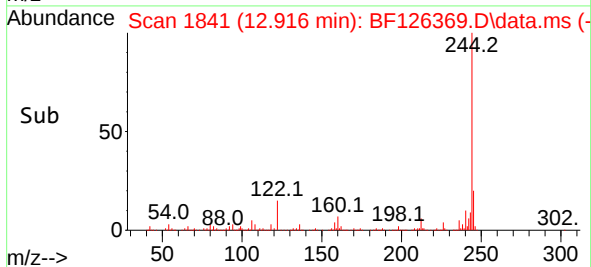
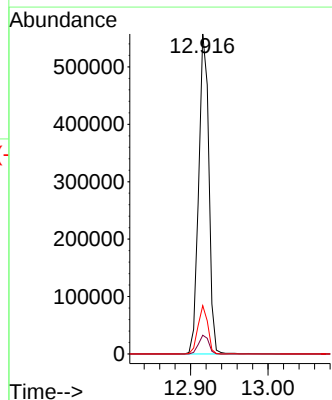
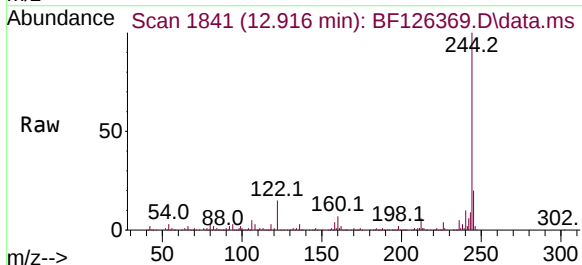
Instrument :
BNA_F
ClientSampleId :
PSC164718

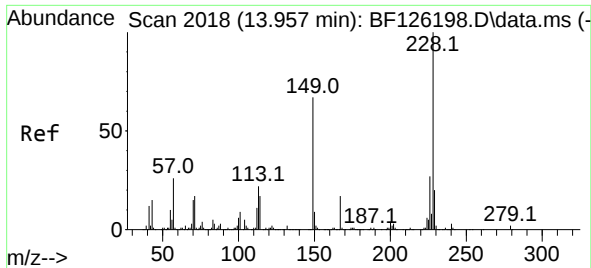
Tgt Ion:202 Resp: 53635
Ion Ratio Lower Upper
202 100
200 21.5 15.3 22.9
203 18.4 13.4 20.0



#79
Terphenyl-d14
Concen: 41.097 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.012 min
Lab File: BF126369.D
Acq: 27 Dec 2021 22:15

Tgt Ion:244 Resp: 507380
Ion Ratio Lower Upper
244 100
212 5.8 5.9 8.9#
122 15.1 9.0 13.4#

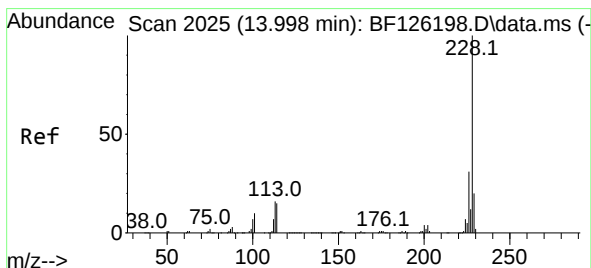
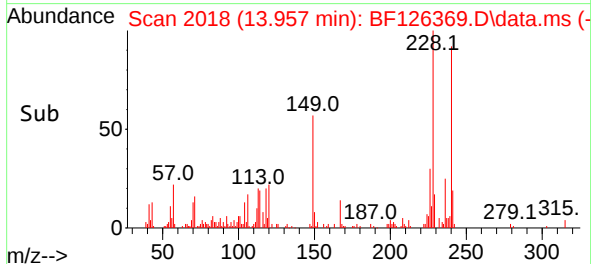
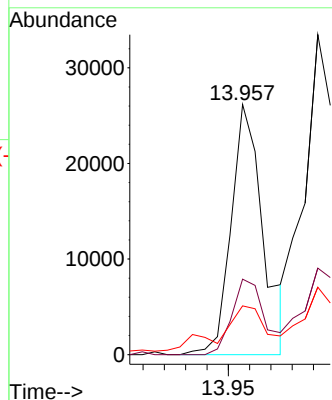
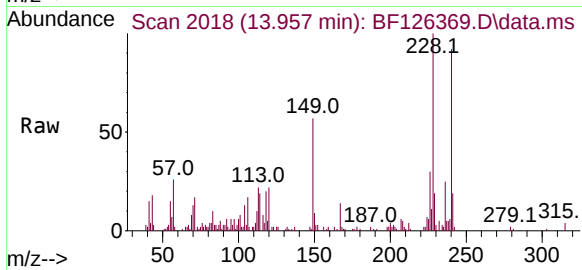




#81
Benzo(a)anthracene
Concen: 2.140 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF126369.D
Acq: 27 Dec 2021 22:15

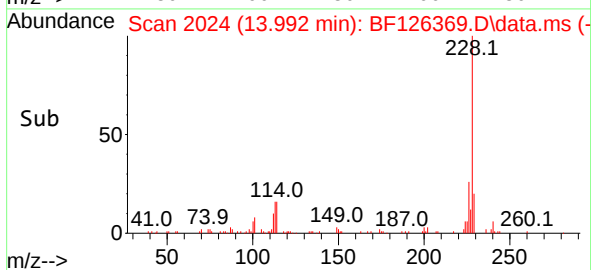
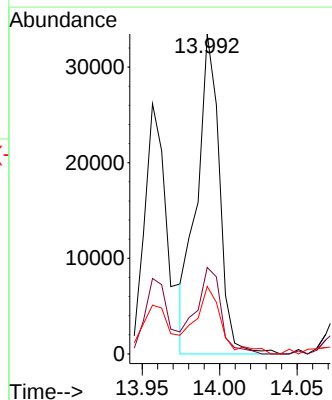
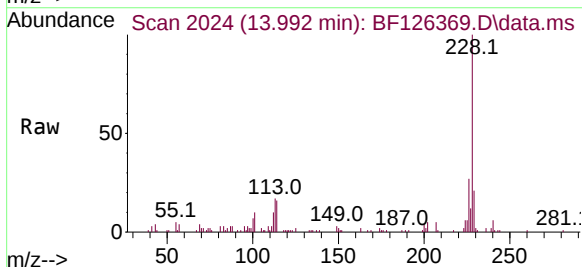
Instrument :
BNA_F
ClientSampleId :
PSC164718

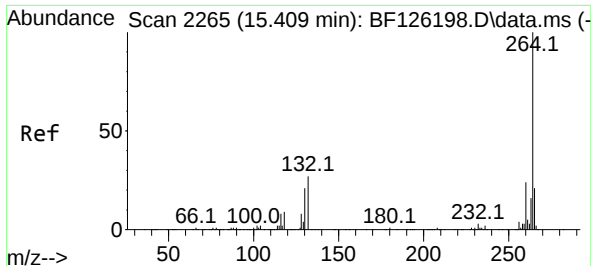
Tgt Ion:	228	Resp:	27205
Ion Ratio	Lower	Upper	
228	100		
226	30.2	21.6	32.4
229	19.5	15.6	23.4



#83
Chrysene
Concen: 2.582 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.012 min
Lab File: BF126369.D
Acq: 27 Dec 2021 22:15

Tgt Ion:	228	Resp:	34095
Ion Ratio	Lower	Upper	
228	100		
226	27.1	22.6	34.0
229	21.1	15.9	23.9

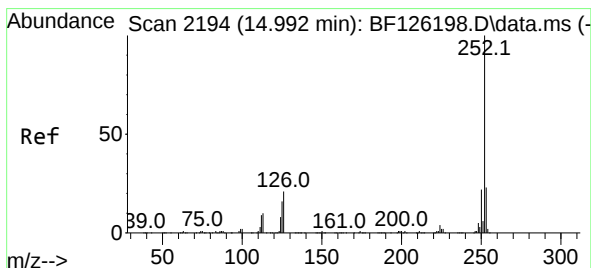
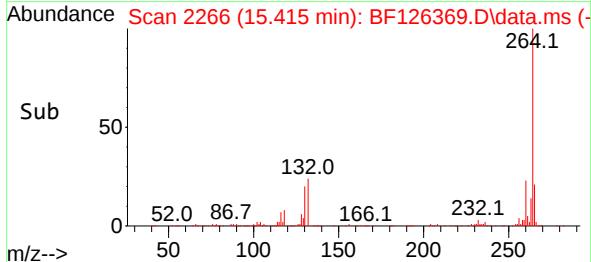
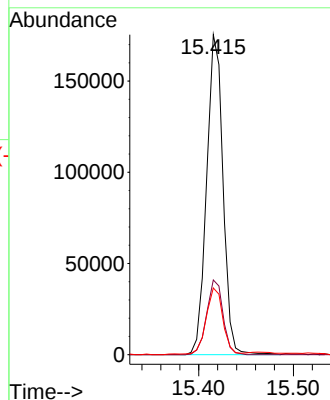
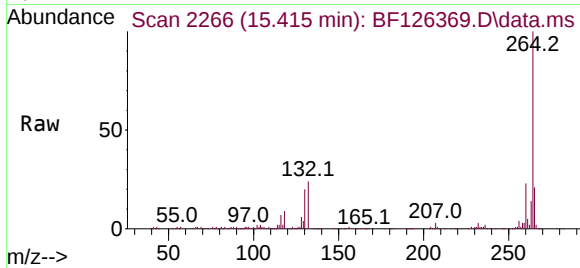




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 211
Delta R.T. -0.012 min
Lab File: BF126369.D
Acq: 27 Dec 2021 22:15

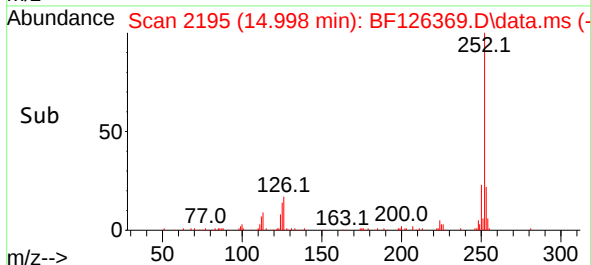
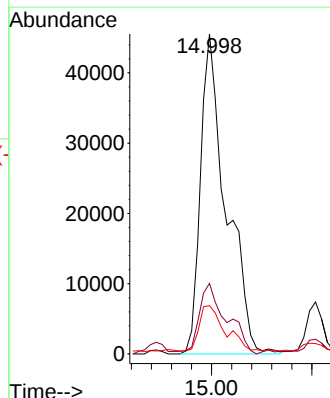
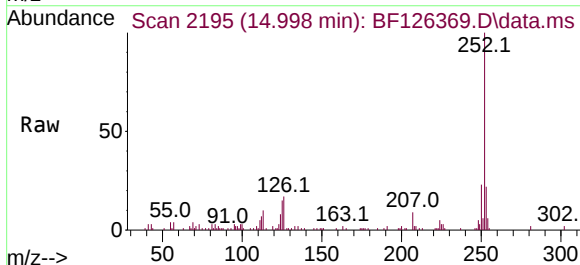
Instrument :
BNA_F
ClientSampleId :
PSC164718

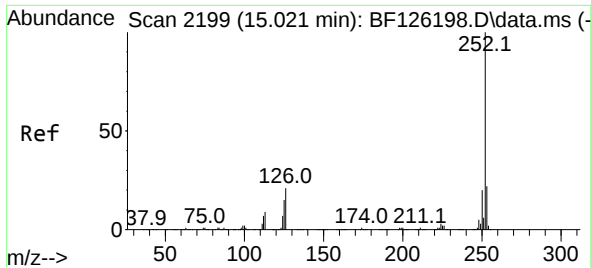
Tgt Ion:264 Resp: 210470
Ion Ratio Lower Upper
264 100
260 23.3 19.6 29.4
265 20.8 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 6.409 ng
RT: 14.998 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF126369.D
Acq: 27 Dec 2021 22:15

Tgt Ion:252 Resp: 81051
Ion Ratio Lower Upper
252 100
253 22.1 16.8 25.2
125 15.1 9.8 14.8#

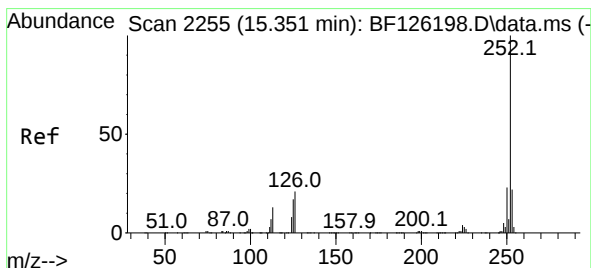
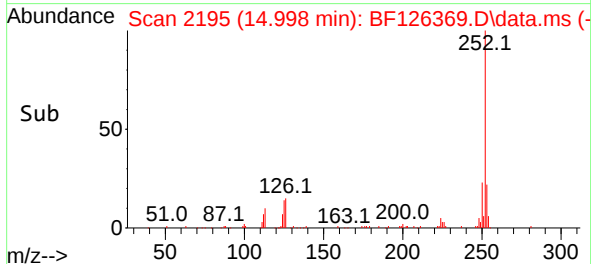
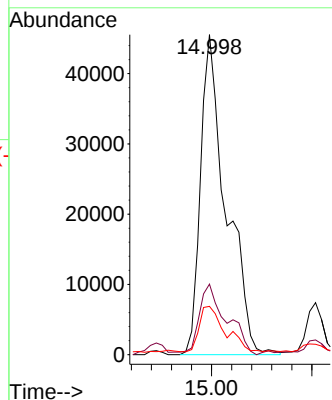
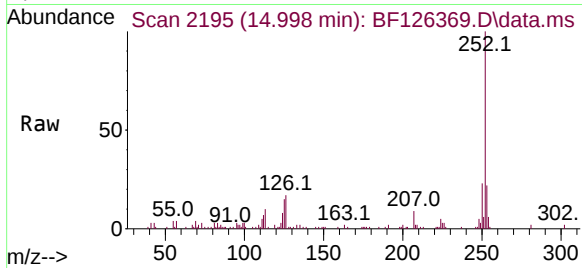




#89
Benzo(k)fluoranthene
Concen: 6.700 ng
RT: 14.998 min Scan# 2199
Delta R.T. -0.035 min
Lab File: BF126369.D
Acq: 27 Dec 2021 22:15

Instrument :
BNA_F
ClientSampleId :
PSC164718

Tgt Ion:252 Resp: 81051
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.8
125 15.1 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 3.420 ng
RT: 15.351 min Scan# 2255
Delta R.T. -0.012 min
Lab File: BF126369.D
Acq: 27 Dec 2021 22:15

Tgt Ion:252 Resp: 35950
Ion Ratio Lower Upper
252 100
253 23.1 18.4 27.6
125 18.5 9.9 14.9#

