

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121821\
 Data File : BF126260.D
 Acq On : 18 Dec 2021 18:17
 Operator : JU/CG
 Sample : M5168-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 20 08:03:37 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 16 12:22:48 2021
 Response via : Initial Calibration

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

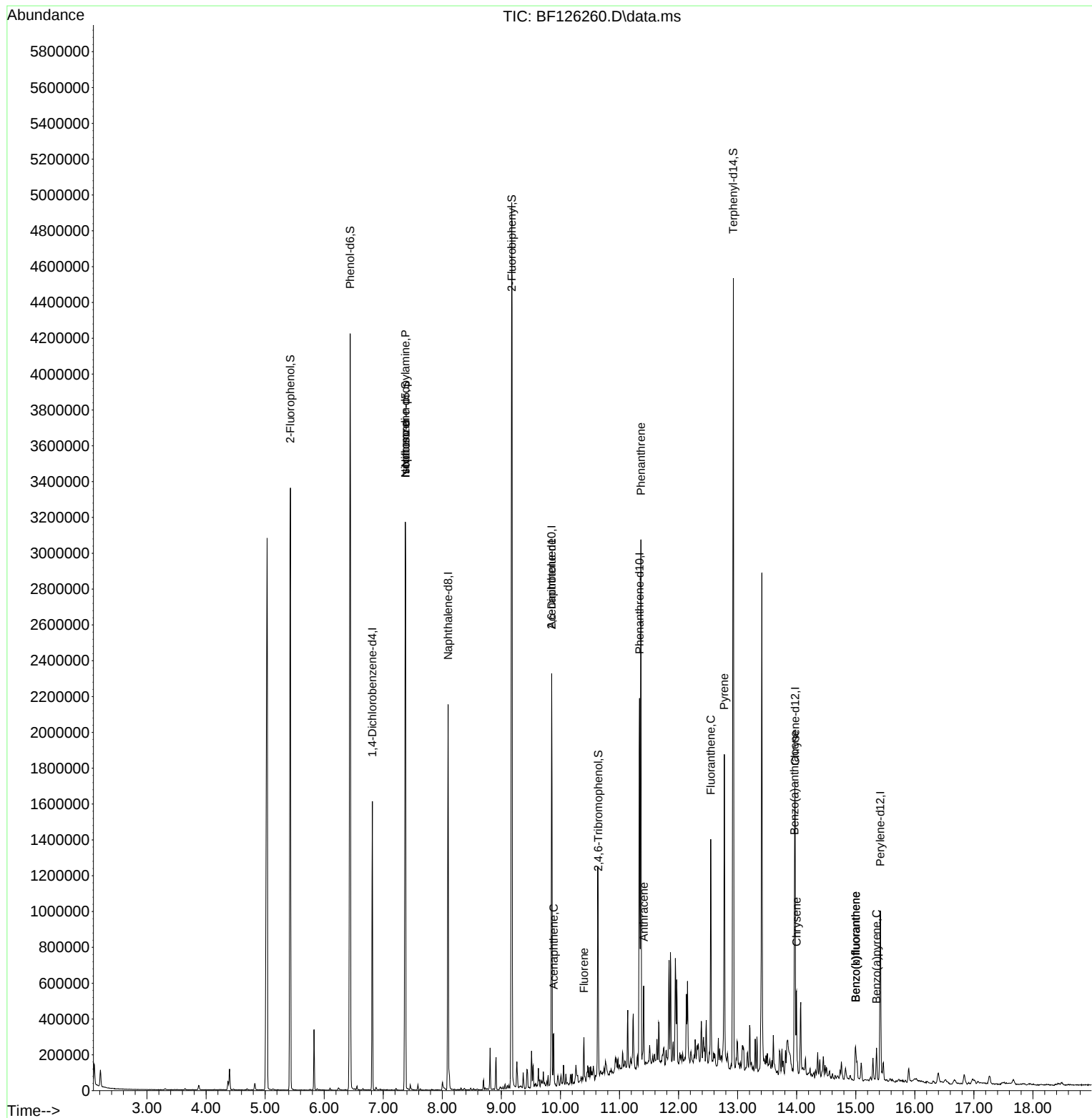
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	221394	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	942507	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	467490	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	771617	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	480882	20.000	ng	0.00
86) Perylene-d12	15.415	264	381542	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	958307	63.744	ng	0.00
7) Phenol-d6	6.439	99	1856962	97.279	ng	0.00
23) Nitrobenzene-d5	7.375	82	1285094	73.845	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	122590	32.630	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	1735770	65.121	ng	0.00
79) Terphenyl-d14	12.927	244	1524343	55.096	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.375	70	166264	14.188	ng	# 55
25) Isophorone	7.375	82	1225534	37.292	ng	# 59
51) 2,6-Dinitrotoluene	9.851	165	62987	9.827	ng	# 28
52) Acenaphthene	9.886	154	60774	2.358	ng	98
58) Fluorene	10.398	166	58012	2.284	ng	97
71) Phenanthrene	11.363	178	981894	24.655	ng	97
72) Anthracene	11.410	178	146534	3.666	ng	98
75) Fluoranthene	12.545	202	429895	11.981	ng	90
78) Pyrene	12.774	202	636589	14.409	ng	97
81) Benzo(a)anthracene	13.962	228	178625	6.271	ng	100
83) Chrysene	13.998	228	173280	5.855	ng	99
88) Benzo(b)fluoranthene	14.998	252	130099	5.675	ng	# 94
89) Benzo(k)fluoranthene	14.998	252	130099	5.932	ng	# 94
90) Benzo(a)pyrene	15.351	252	75610	3.968	ng	# 94

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

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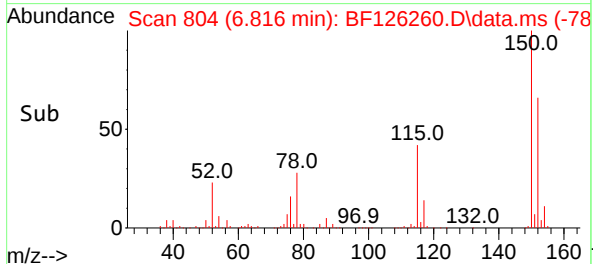
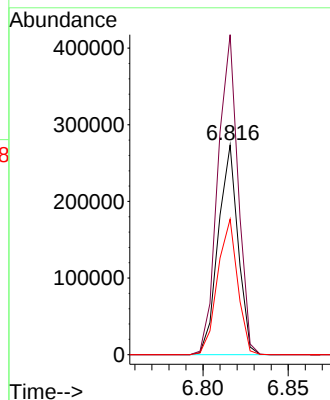
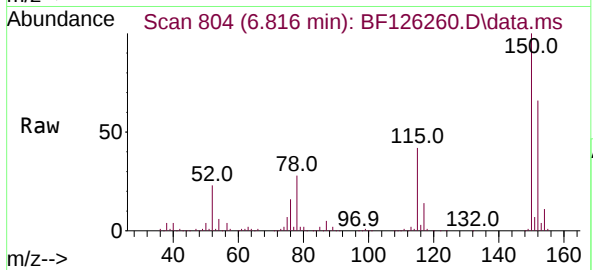




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.816 min Scan# 804
 Delta R.T. -0.000 min
 Lab File: BF126260.D
 Acq: 18 Dec 2021 18:17

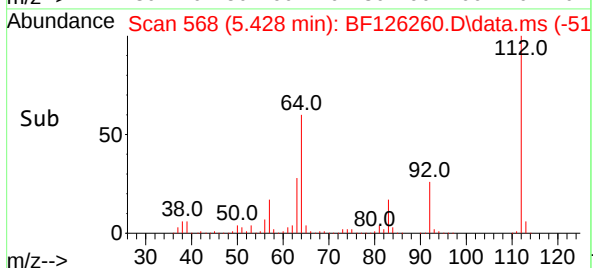
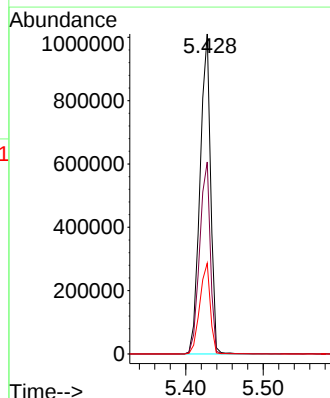
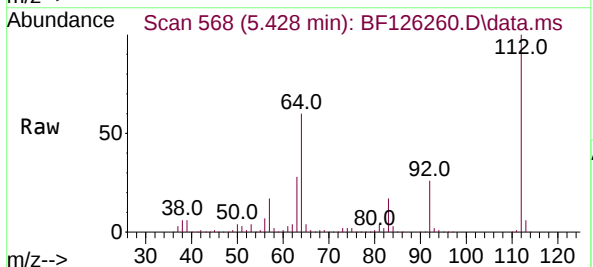
Instrument :
 BNA_F
 ClientSampleId :

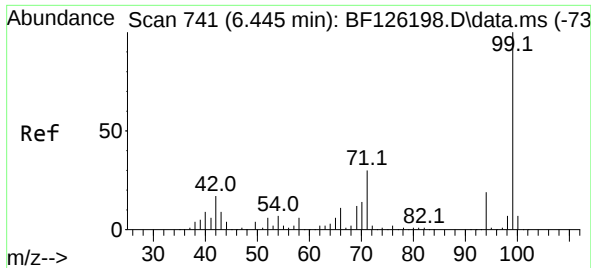
Tgt Ion:152 Resp: 221394
 Ion Ratio Lower Upper
 152 100
 150 152.7 117.6 176.4
 115 64.6 47.1 70.7



#5
 2-Fluorophenol
 Concen: 63.744 ng
 RT: 5.428 min Scan# 568
 Delta R.T. 0.006 min
 Lab File: BF126260.D
 Acq: 18 Dec 2021 18:17

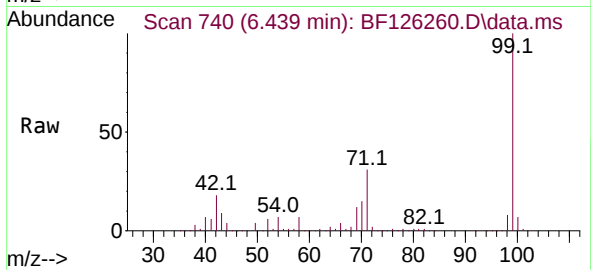
Tgt Ion:112 Resp: 958307
 Ion Ratio Lower Upper
 112 100
 64 60.0 44.2 66.2
 63 28.4 26.2 39.2





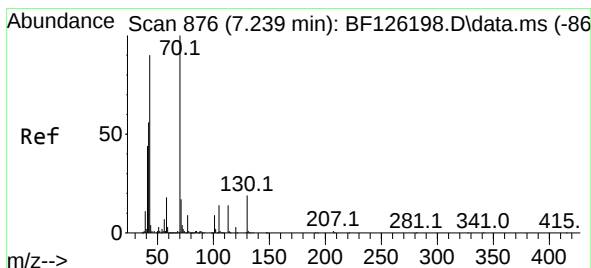
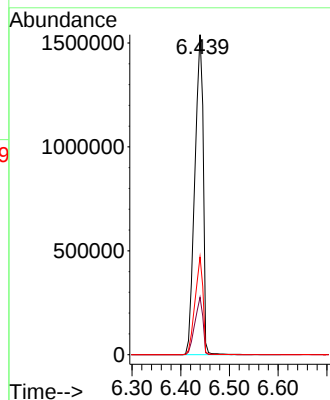
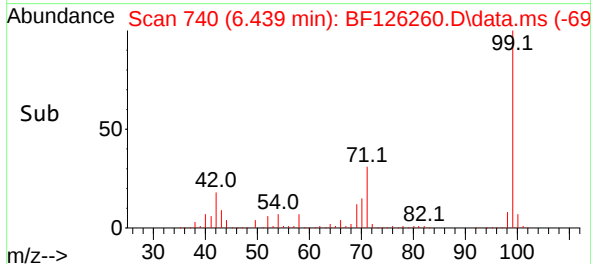
#7
Phenol-d6
Concen: 97.279 ng
RT: 6.439 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF126260.D
Acq: 18 Dec 2021 18:17

Instrument :
BNA_F
ClientSampleId :

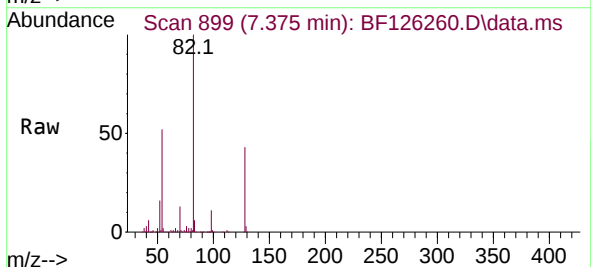


Tgt Ion: 99 Resp: 1856962

Ion	Ratio	Lower	Upper
99	100		
42	18.0	23.5	35.3#
71	30.6	25.6	38.4

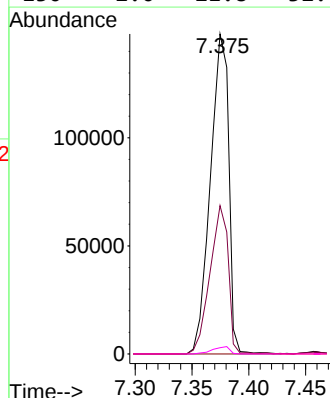
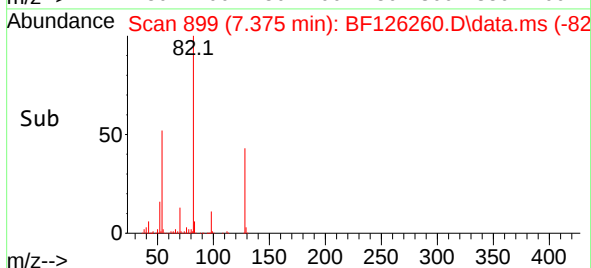


#19
n-Nitroso-di-n-propylamine
Concen: 14.188 ng
RT: 7.375 min Scan# 899
Delta R.T. 0.135 min
Lab File: BF126260.D
Acq: 18 Dec 2021 18:17



Tgt Ion: 70 Resp: 166264

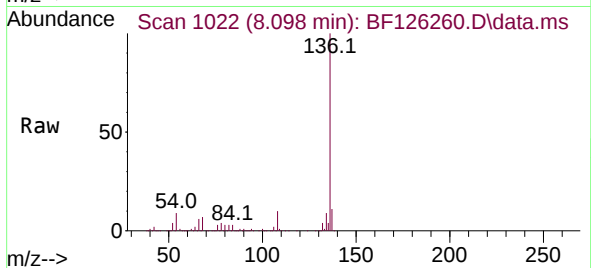
Ion	Ratio	Lower	Upper
70	100		
42	46.3	72.2	108.2#
101	0.0	7.8	11.8#
130	2.0	21.8	32.6#



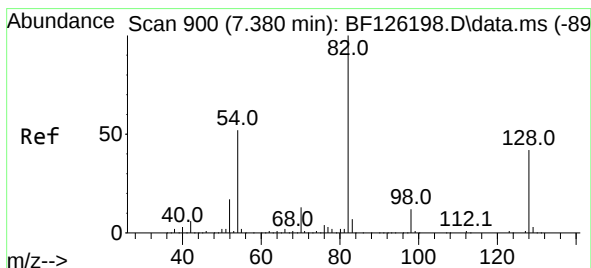
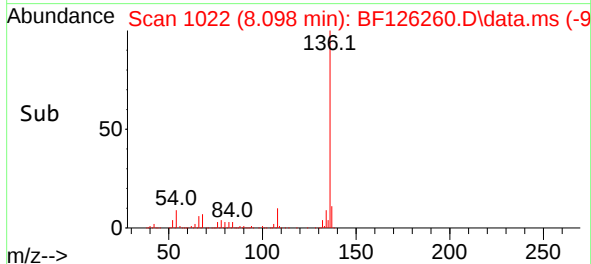
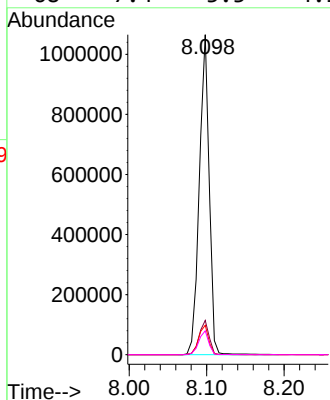


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF126260.D
Acq: 18 Dec 2021 18:17

Instrument :
BNA_F
ClientSampleId :

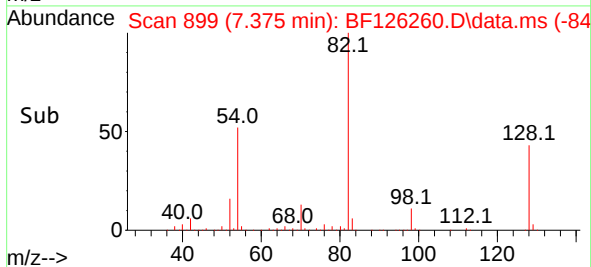
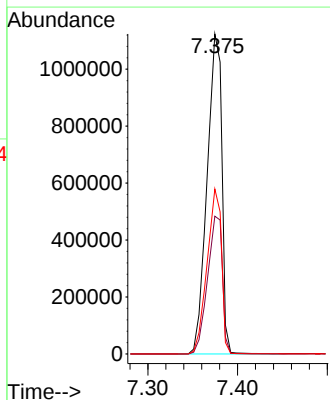
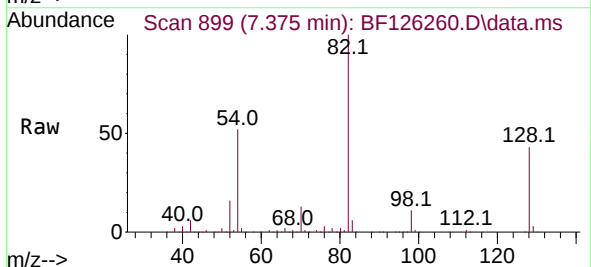


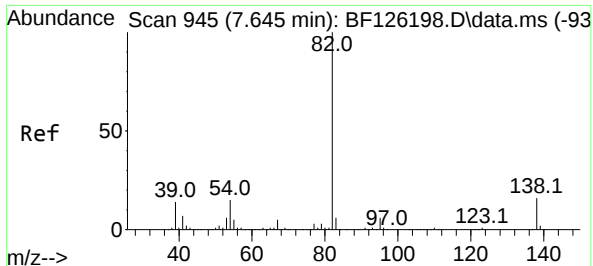
Tgt Ion:	136	Resp:	942507
Ion Ratio	Lower	Upper	
136	100		
137	10.7	9.8	14.6
54	9.2	6.4	9.6
68	7.4	3.3	4.9



#23
Nitrobenzene-d5
Concen: 73.845 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF126260.D
Acq: 18 Dec 2021 18:17

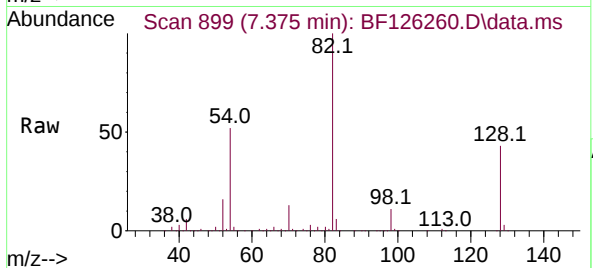
Tgt Ion:	82	Resp:	1285094
Ion Ratio	Lower	Upper	
82	100		
128	43.1	40.6	60.8
54	51.5	49.6	74.4



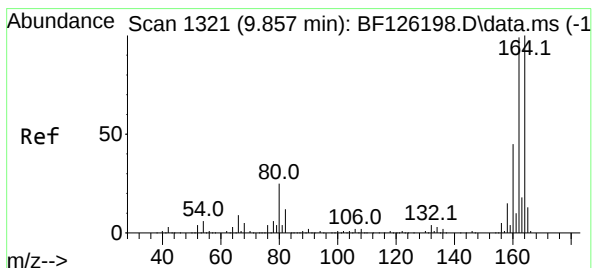
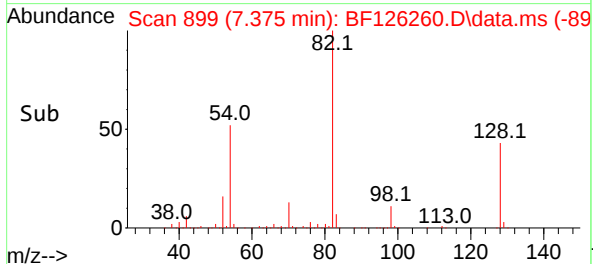
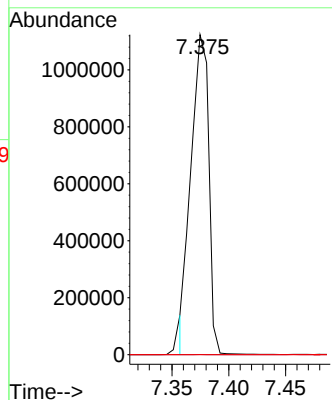


#25
Isophorone
Concen: 37.292 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.271 min
Lab File: BF126260.D
Acq: 18 Dec 2021 18:17

Instrument :
BNA_F
ClientSampleId :

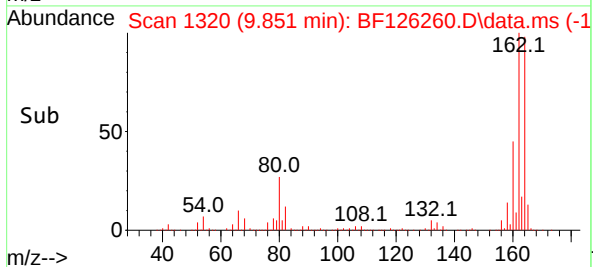
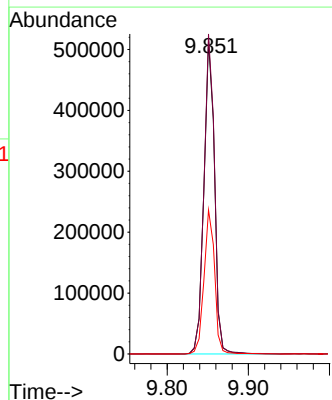
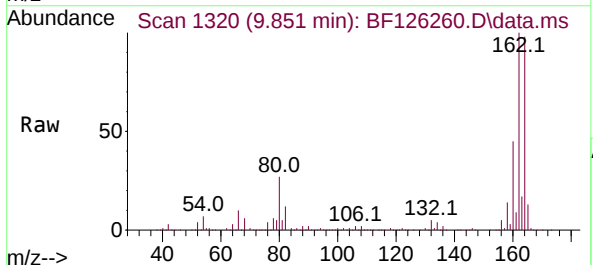


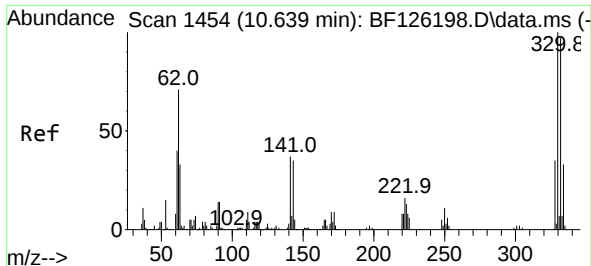
Tgt Ion: 82 Resp: 1225534
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF126260.D
Acq: 18 Dec 2021 18:17

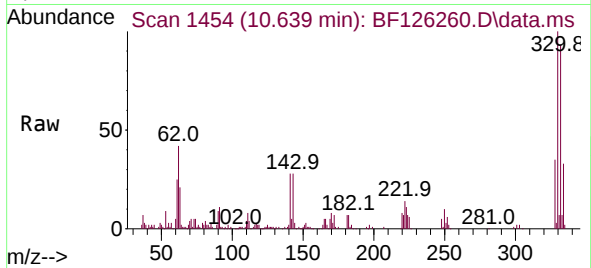
Tgt Ion:164 Resp: 467490
Ion Ratio Lower Upper
164 100
162 102.3 81.3 121.9
160 46.0 38.0 57.0



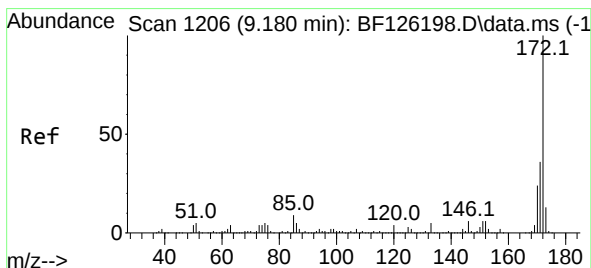
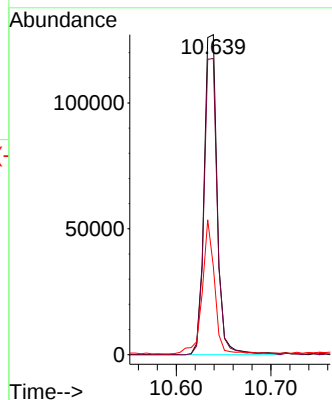
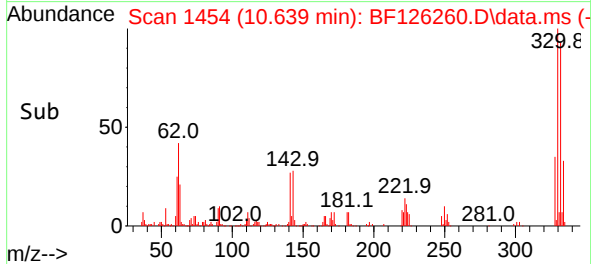


#42
2,4,6-Tribromophenol
Concen: 32.630 ng
RT: 10.639 min Scan# 1454
Delta R.T. 0.000 min
Lab File: BF126260.D
Acq: 18 Dec 2021 18:17

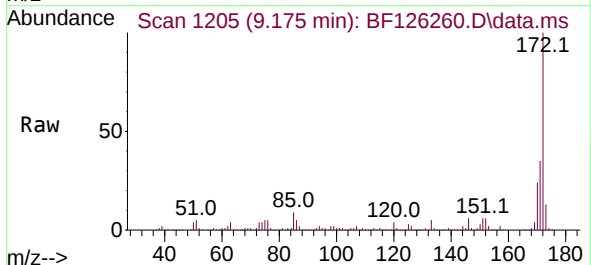
Instrument :
BNA_F
ClientSampleId :



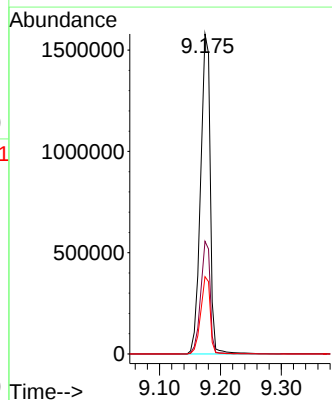
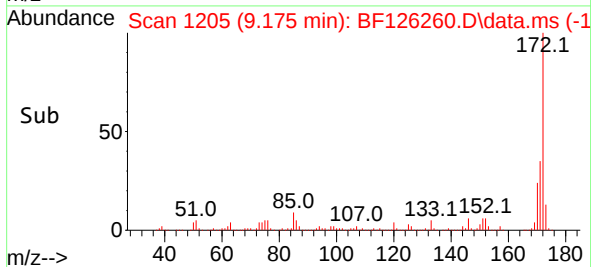
Tgt Ion:330 Resp: 122590
Ion Ratio Lower Upper
330 100
332 92.7 76.2 114.4
141 38.9 44.6 66.8#

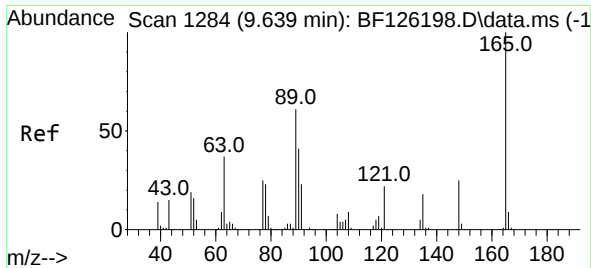


#45
2-Fluorobiphenyl
Concen: 65.121 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF126260.D
Acq: 18 Dec 2021 18:17



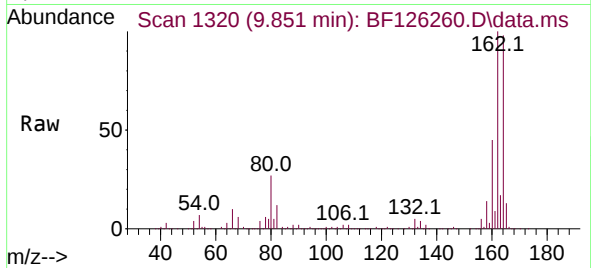
Tgt Ion:172 Resp: 1735770
Ion Ratio Lower Upper
172 100
171 35.2 26.5 39.7
170 24.1 18.8 28.2



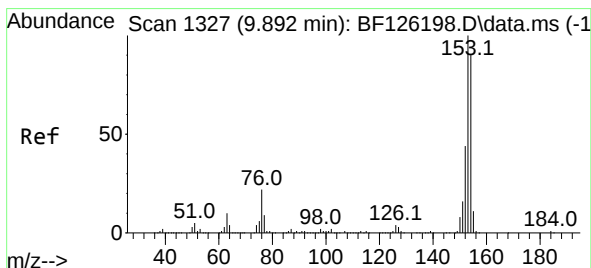
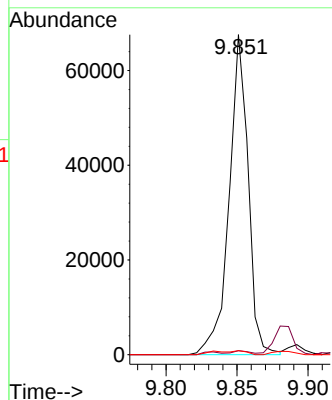
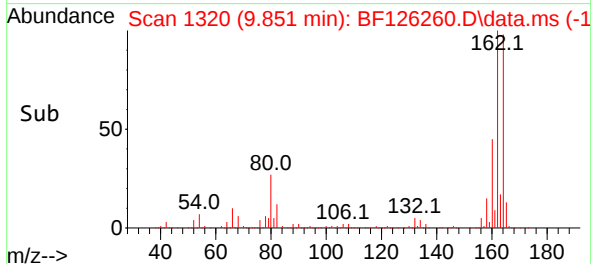


#51
2,6-Dinitrotoluene
Concen: 9.827 ng
RT: 9.851 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF126260.D
Acq: 18 Dec 2021 18:17

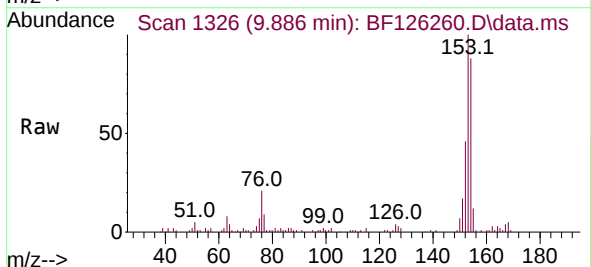
Instrument :
BNA_F
ClientSampleId :



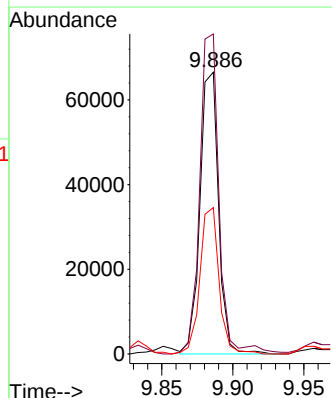
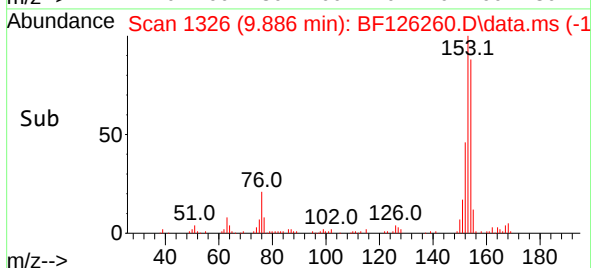
Tgt Ion:165 Resp: 62987
Ion Ratio Lower Upper
165 100
63 1.2 42.6 63.8#
89 1.3 40.6 60.8#

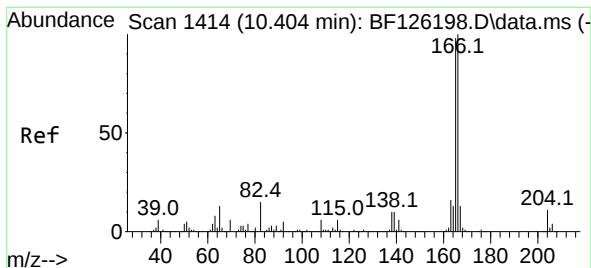


#52
Acenaphthene
Concen: 2.358 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF126260.D
Acq: 18 Dec 2021 18:17



Tgt Ion:154 Resp: 60774
Ion Ratio Lower Upper
154 100
153 113.6 89.4 134.2
152 51.9 40.5 60.7





#58

Fluorene

Concen: 2.284 ng

RT: 10.398 min Scan# 1414

Delta R.T. -0.006 min

Lab File: BF126260.D

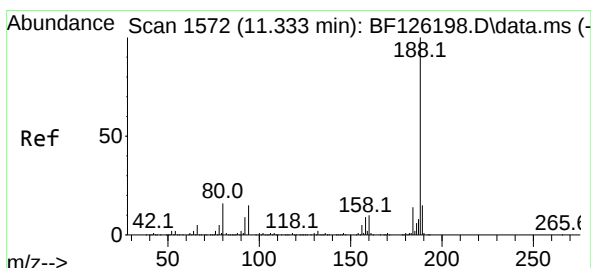
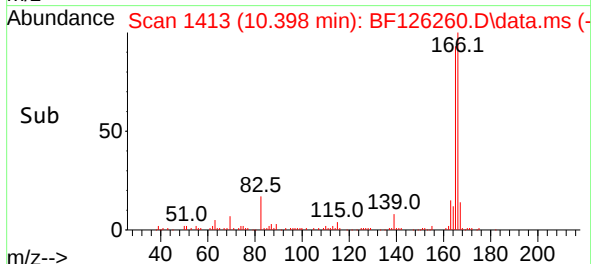
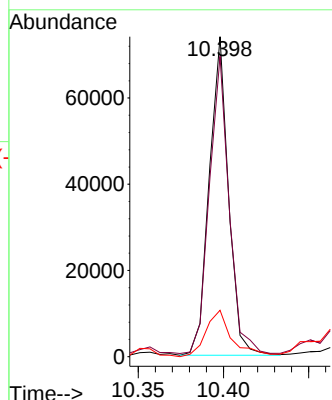
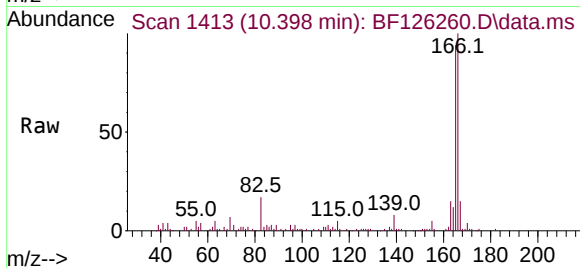
Acq: 18 Dec 2021 18:17

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:166	Resp:	58012
Ion Ratio	Lower	Upper
166	100	
165	93.9	78.1 117.1
167	14.5	11.1 16.7



#64

Phenanthrene-d10

Concen: 20.000 ng

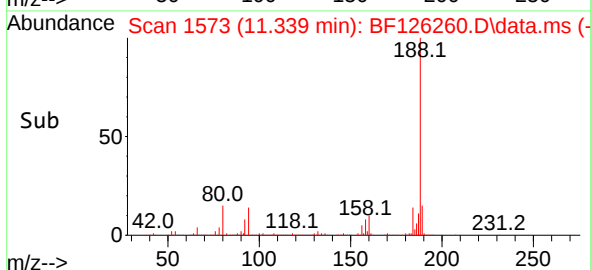
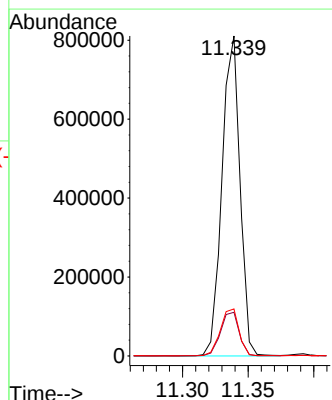
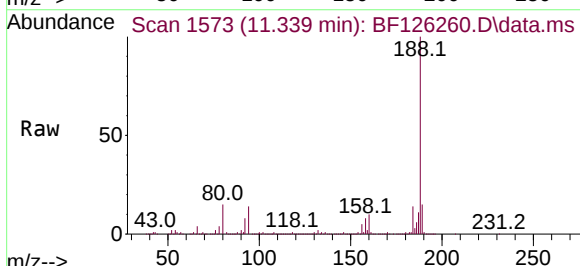
RT: 11.339 min Scan# 1573

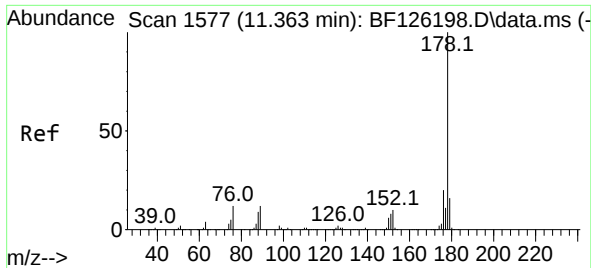
Delta R.T. 0.006 min

Lab File: BF126260.D

Acq: 18 Dec 2021 18:17

Tgt Ion:188	Resp:	771617
Ion Ratio	Lower	Upper
188	100	
94	13.7	6.7 10.1#
80	14.7	7.5 11.3#

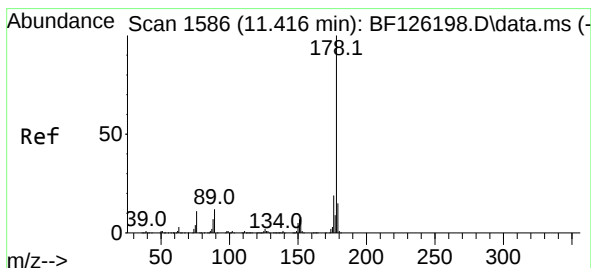
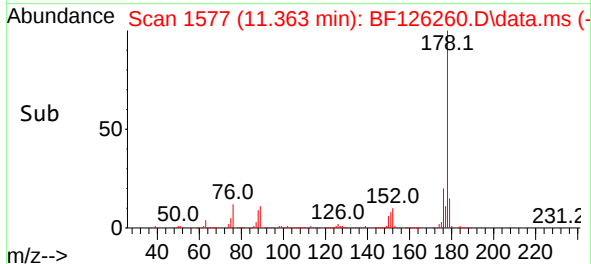
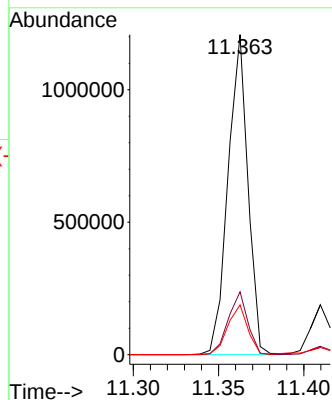
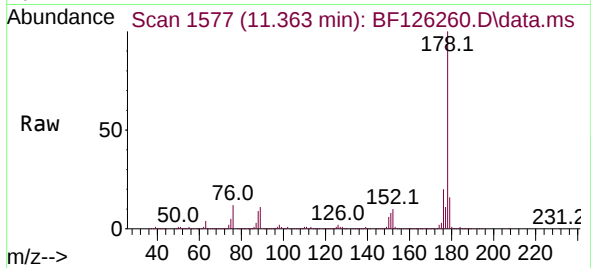




#71
Phenanthrene
Concen: 24.655 ng
RT: 11.363 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126260.D
Acq: 18 Dec 2021 18:17

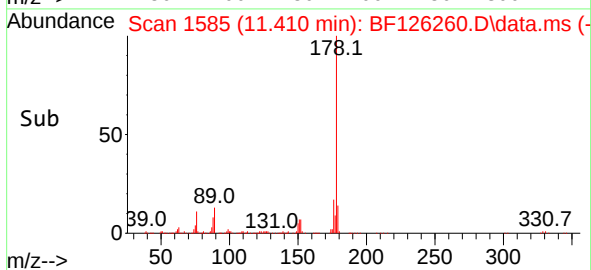
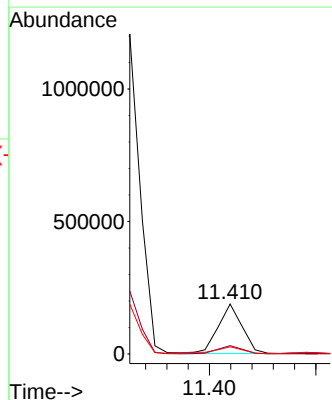
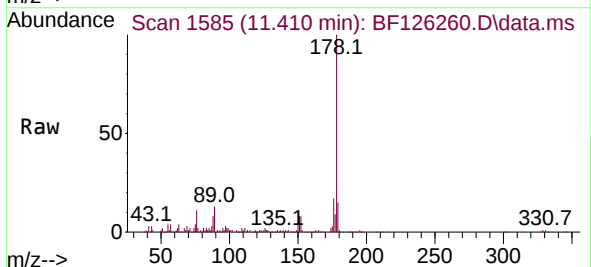
Instrument :
BNA_F
ClientSampleId :

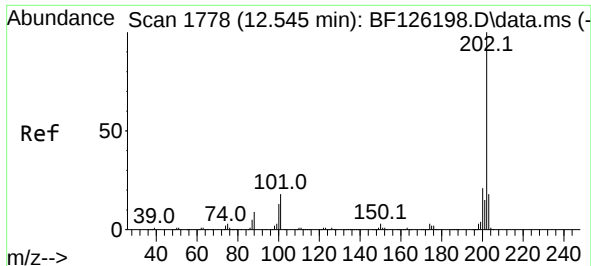
Tgt Ion:178 Resp: 981894
Ion Ratio Lower Upper
178 100
176 19.7 14.7 22.1
179 15.6 11.5 17.3



#72
Anthracene
Concen: 3.666 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF126260.D
Acq: 18 Dec 2021 18:17

Tgt Ion:178 Resp: 146534
Ion Ratio Lower Upper
178 100
176 16.6 14.3 21.5
179 14.6 12.2 18.4

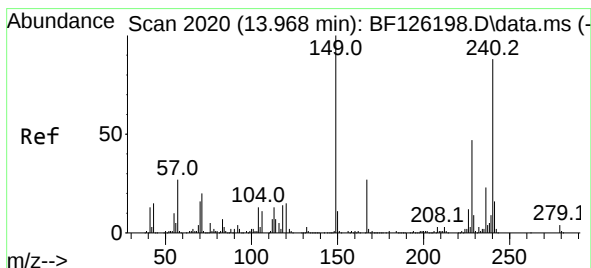
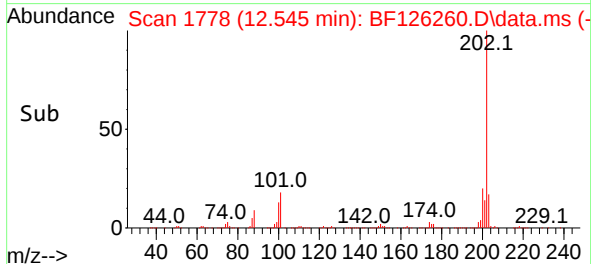
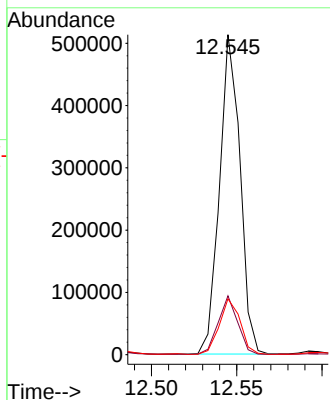
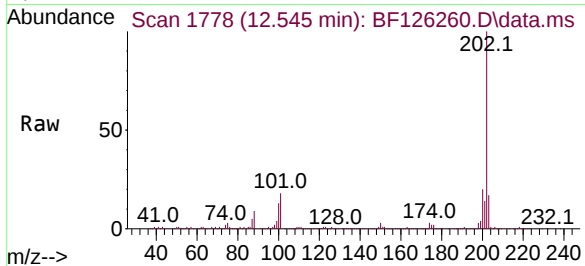




#75
Fluoranthene
Concen: 11.981 ng
RT: 12.545 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126260.D
Acq: 18 Dec 2021 18:17

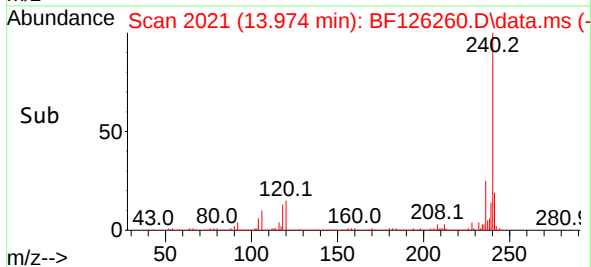
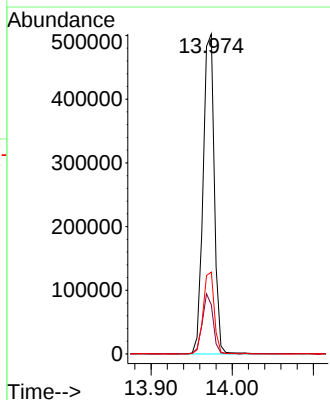
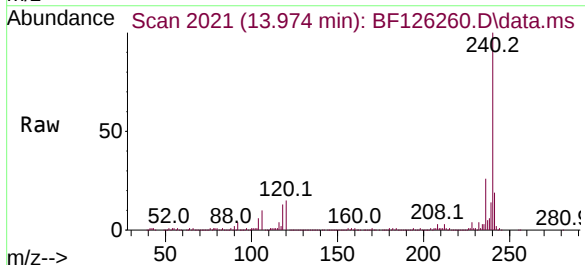
Instrument :
BNA_F
ClientSampleId :

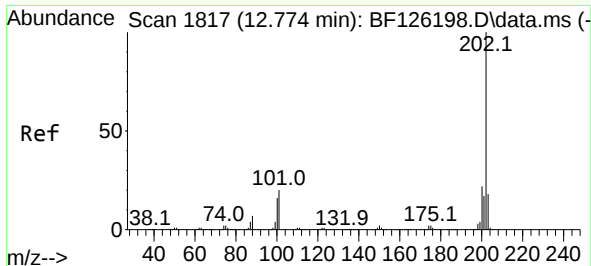
Tgt Ion:202 Resp: 429895
Ion Ratio Lower Upper
202 100
101 18.4 0.0 30.7
203 17.5 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF126260.D
Acq: 18 Dec 2021 18:17

Tgt Ion:240 Resp: 480882
Ion Ratio Lower Upper
240 100
120 15.3 10.8 16.2
236 25.6 21.6 32.4

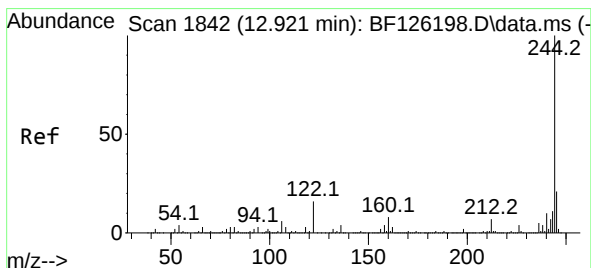
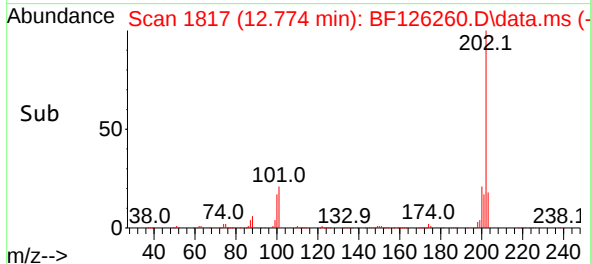
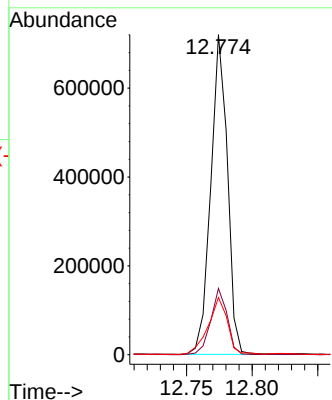
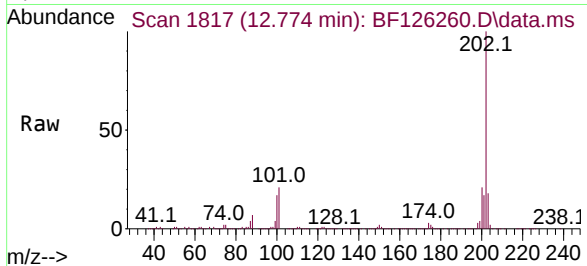




#78
Pyrene
Concen: 14.409 ng
RT: 12.774 min Scan# 1817
Delta R.T. 0.000 min
Lab File: BF126260.D
Acq: 18 Dec 2021 18:17

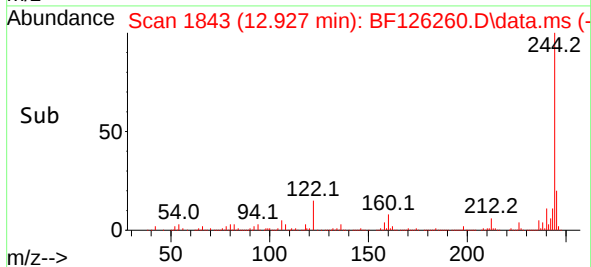
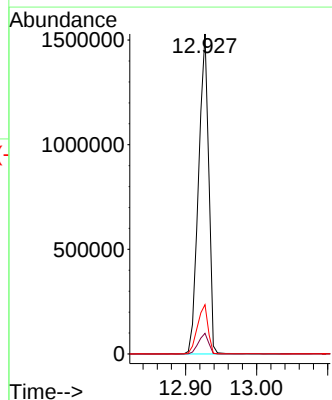
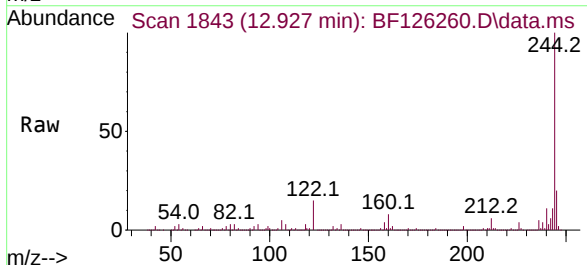
Instrument :
BNA_F
ClientSampleId :

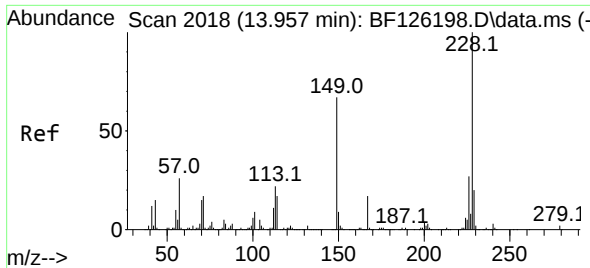
Tgt Ion:202 Resp: 636589
Ion Ratio Lower Upper
202 100
200 20.7 15.3 22.9
203 17.9 13.4 20.0



#79
Terphenyl-d14
Concen: 55.096 ng
RT: 12.927 min Scan# 1843
Delta R.T. 0.006 min
Lab File: BF126260.D
Acq: 18 Dec 2021 18:17

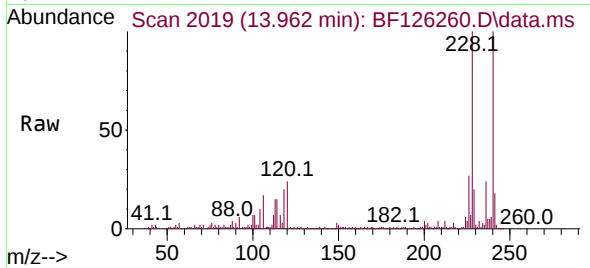
Tgt Ion:244 Resp: 1524343
Ion Ratio Lower Upper
244 100
212 6.5 5.9 8.9
122 15.4 9.0 13.4#



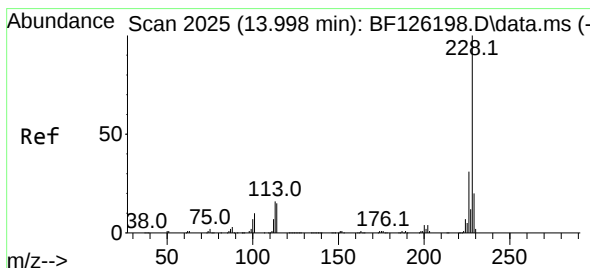
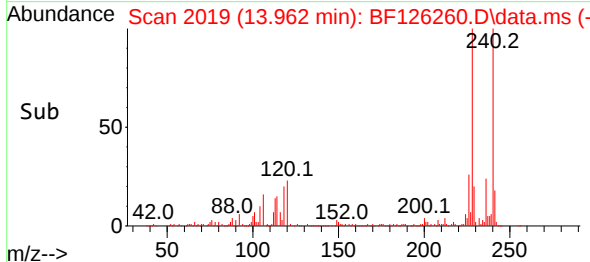
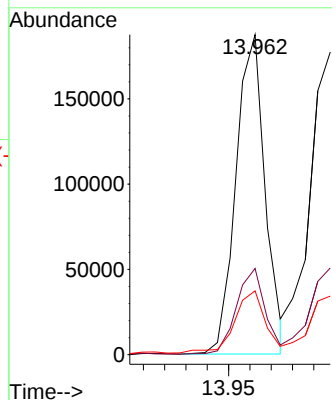


#81
Benzo(a)anthracene
Concen: 6.271 ng
RT: 13.962 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF126260.D
Acq: 18 Dec 2021 18:17

Instrument :
BNA_F
ClientSampleId :

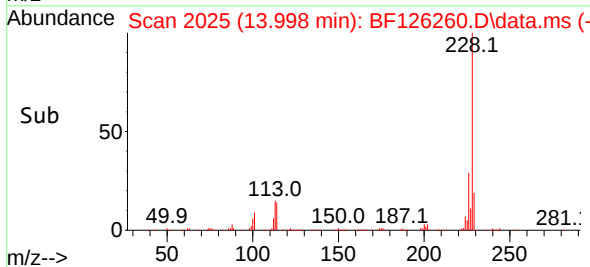
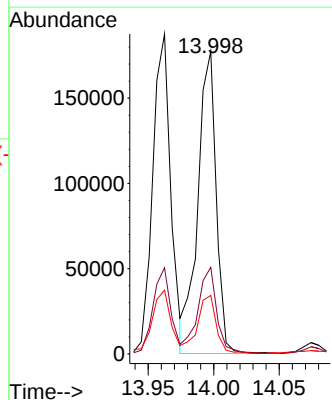
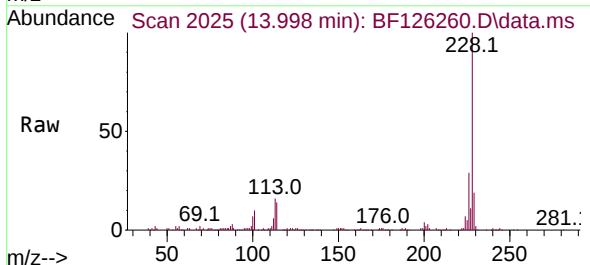


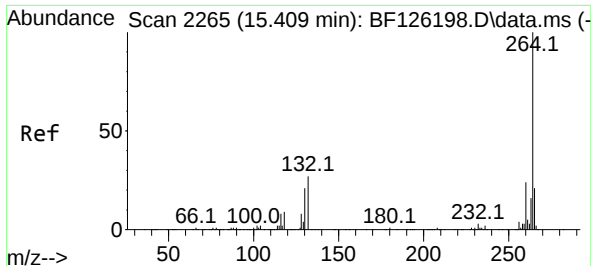
Tgt Ion:228 Resp: 178625
Ion Ratio Lower Upper
228 100
226 27.0 21.6 32.4
229 19.9 15.6 23.4



#83
Chrysene
Concen: 5.855 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF126260.D
Acq: 18 Dec 2021 18:17

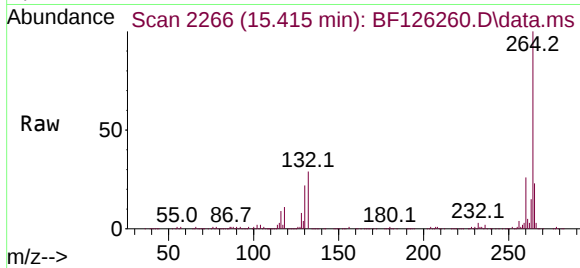
Tgt Ion:228 Resp: 173280
Ion Ratio Lower Upper
228 100
226 28.7 22.6 34.0
229 19.4 15.9 23.9



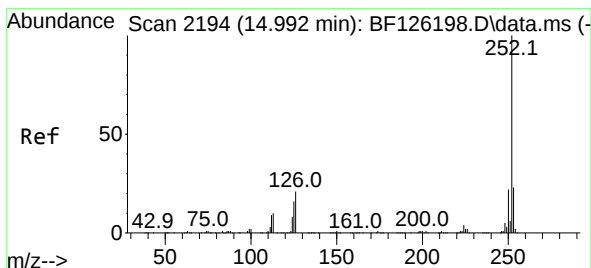
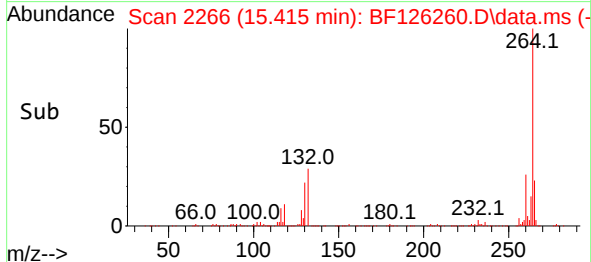
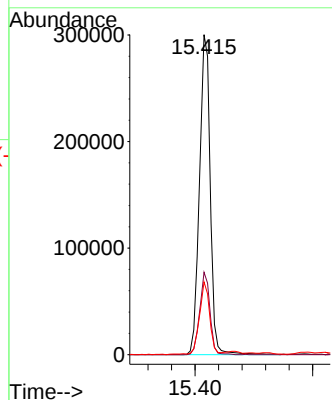


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2195
Delta R.T. 0.006 min
Lab File: BF126260.D
Acq: 18 Dec 2021 18:17

Instrument :
BNA_F
ClientSampleId :

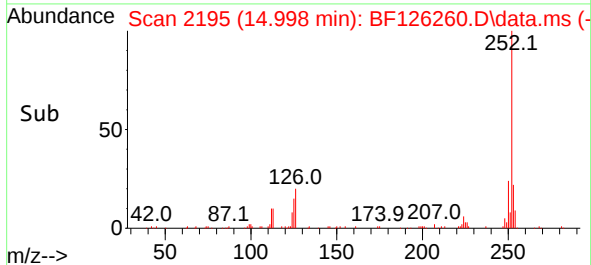
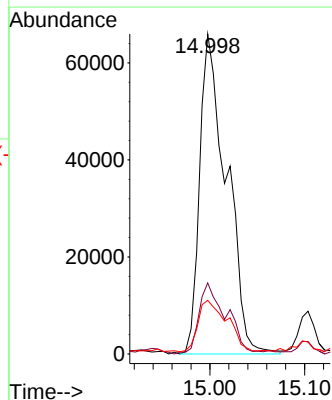
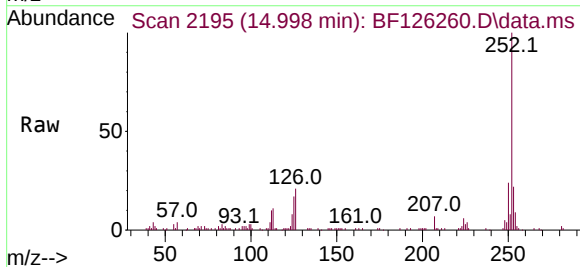


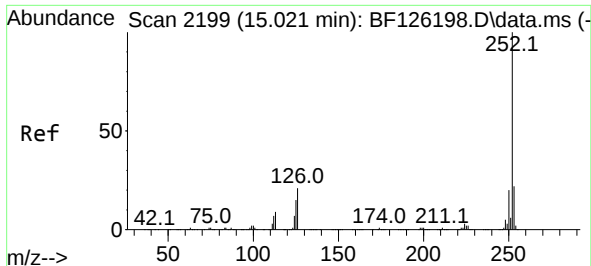
Tgt Ion:264 Resp: 381542
Ion Ratio Lower Upper
264 100
260 25.8 19.6 29.4
265 22.7 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 5.675 ng
RT: 14.998 min Scan# 2195
Delta R.T. 0.006 min
Lab File: BF126260.D
Acq: 18 Dec 2021 18:17

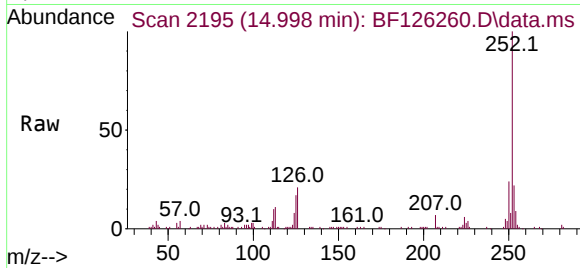
Tgt Ion:252 Resp: 130099
Ion Ratio Lower Upper
252 100
253 22.2 16.8 25.2
125 16.8 9.8 14.8#



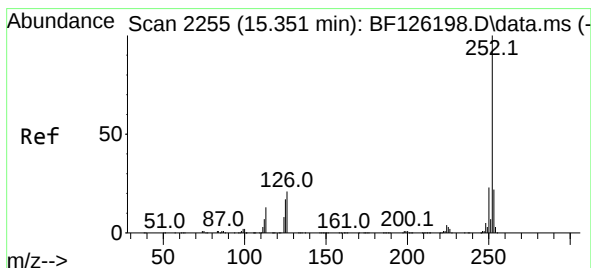
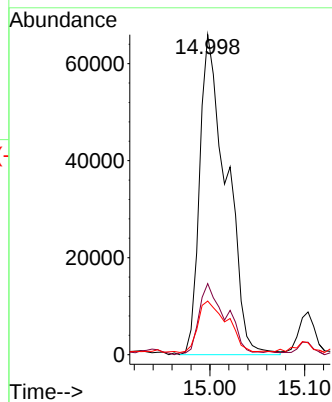
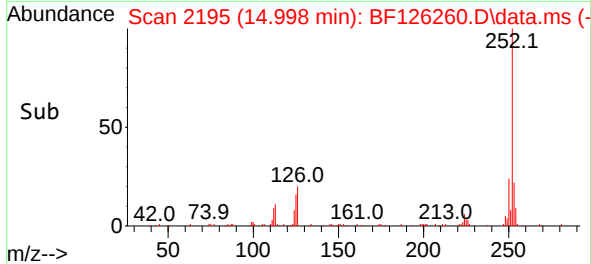


#89
Benzo(k)fluoranthene
Concen: 5.932 ng
RT: 14.998 min Scan# 2199
Delta R.T. -0.023 min
Lab File: BF126260.D
Acq: 18 Dec 2021 18:17

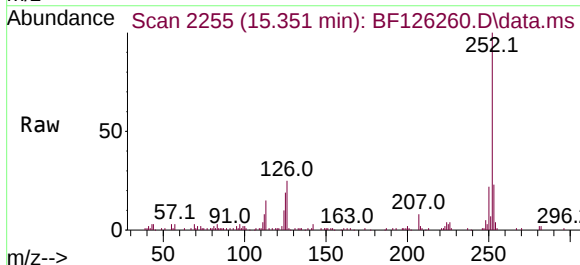
Instrument :
BNA_F
ClientSampleId :



Tgt Ion:252 Resp: 130099
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 16.8 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 3.968 ng
RT: 15.351 min Scan# 2255
Delta R.T. 0.000 min
Lab File: BF126260.D
Acq: 18 Dec 2021 18:17



Tgt Ion:252 Resp: 75610
Ion Ratio Lower Upper
252 100
253 22.9 18.4 27.6
125 18.8 9.9 14.9#

