

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122021\
 Data File : BF126289.D
 Acq On : 20 Dec 2021 20:51
 Operator : JU/CG
 Sample : M5083-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 21 05:12:18 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

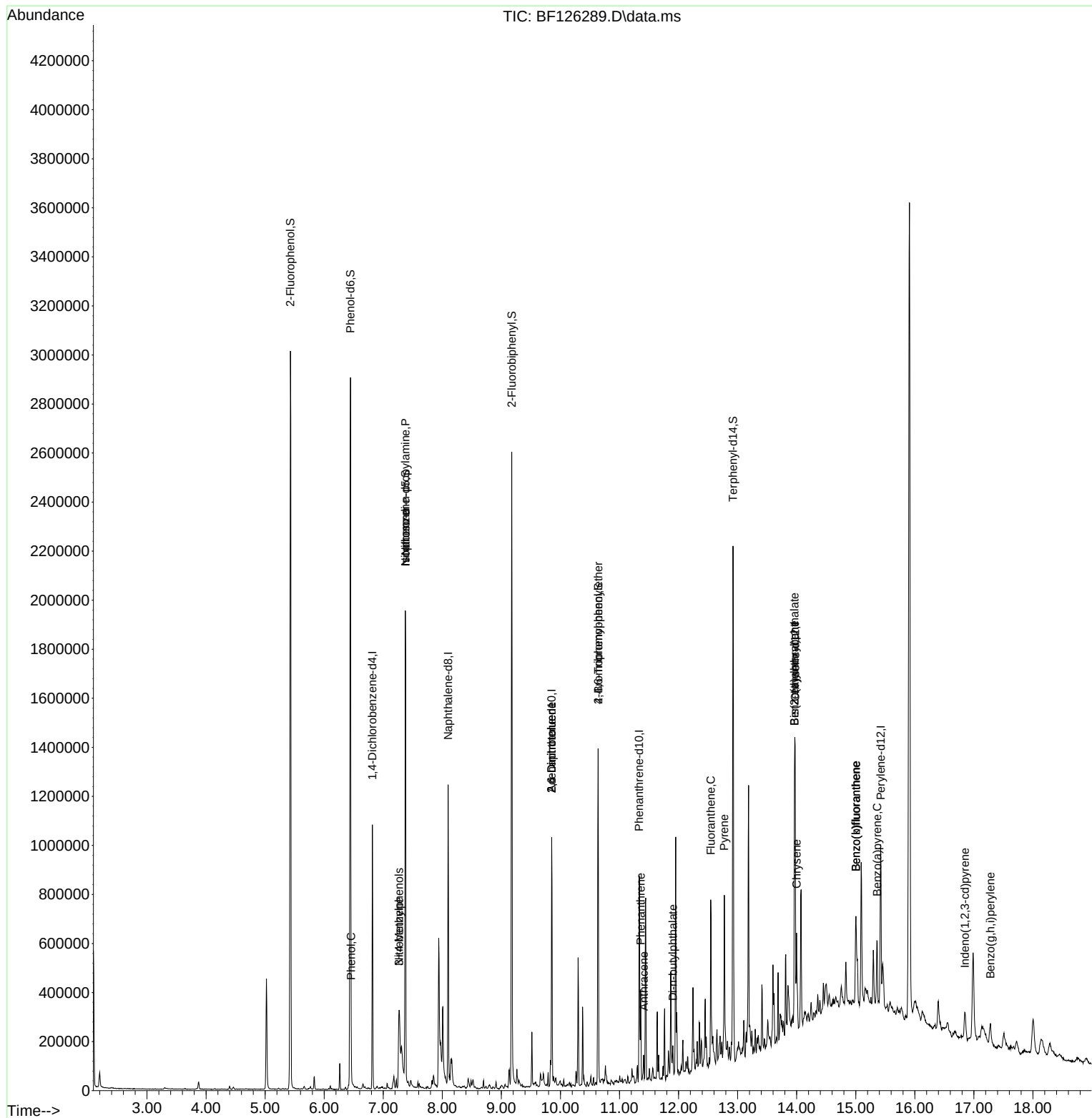
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	139868	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	495944	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	199575	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	309439	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	298390	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	293367	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	923361	97.219	ng	0.00
7) Phenol-d6	6.445	99	1074497	89.098	ng	0.00
23) Nitrobenzene-d5	7.375	82	659039	71.970	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	148857	92.811	ng	0.00
45) 2-Fluorobiphenyl	9.174	172	786548	69.122	ng	0.00
79) Terphenyl-d14	12.921	244	683756	39.829	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	6.457	94	54529	4.028	ng	88
19) n-Nitroso-di-n-propyla...	7.375	70	82306	11.117	ng	# 54
20) 3+4-Methylphenols	7.269	107	175992	17.644	ng	# 30
24) Nitrobenzene	7.269	77	38742	4.238	ng	# 42
25) Isophorone	7.375	82	646194	37.369	ng	# 59
51) 2,6-Dinitrotoluene	9.851	165	26022	9.510	ng	# 29
57) 2,4-Dinitrotoluene	9.851	165	26022	7.455	ng	# 21
67) 4-Bromophenyl-phenylether	10.639	248	8416	2.898	ng	# 1
71) Phenanthrene	11.357	178	115717	7.245	ng	99
72) Anthracene	11.410	178	35968	2.244	ng	97
74) Di-n-butylphthalate	11.904	149	44133	2.306	ng	99
75) Fluoranthene	12.545	202	256131	17.800	ng	91
78) Pyrene	12.774	202	231681	8.451	ng	98
81) Benzo(a)anthracene	13.962	228	142337	8.053	ng	95
83) Chrysene	13.998	228	131922	7.184	ng	98
84) Bis(2-ethylhexyl)phtha...	13.962	149	117344	8.140	ng	99
87) Indeno(1,2,3-cd)pyrene	16.850	276	69535	3.554	ng	97
88) Benzo(b)fluoranthene	15.004	252	261742	14.849	ng	# 93
89) Benzo(k)fluoranthene	15.004	252	261742	15.522	ng	# 93
90) Benzo(a)pyrene	15.362	252	122766	8.380	ng	# 93
92) Benzo(g,h,i)perylene	17.280	276	63779	3.875	ng	# 91

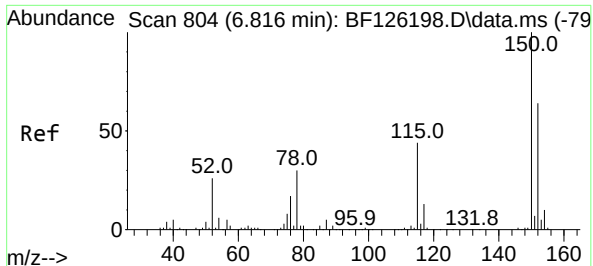
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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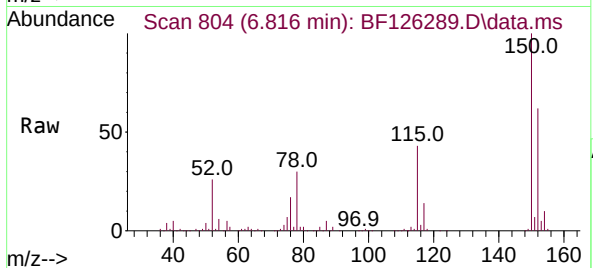
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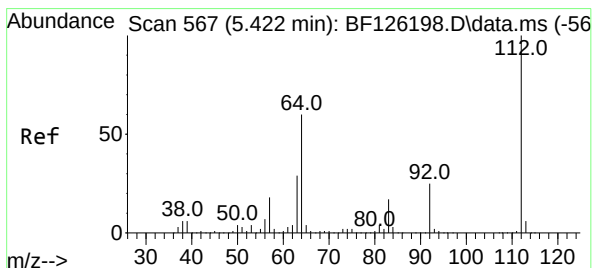
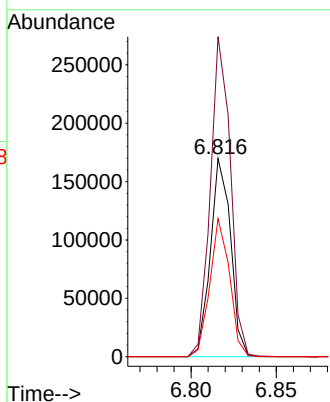
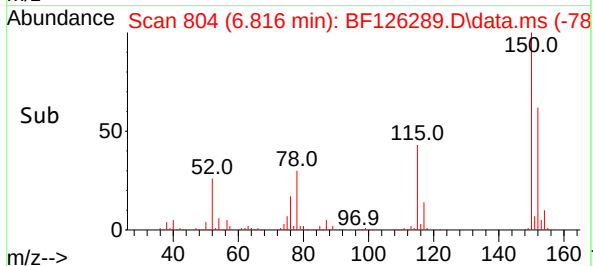


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51

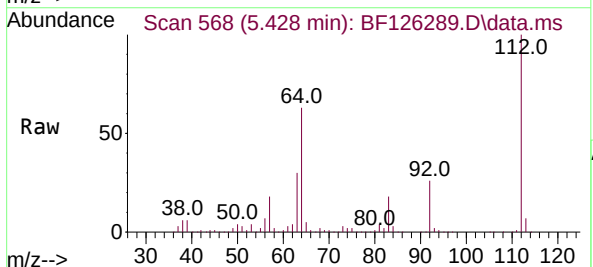
Instrument :
BNA_F
ClientSampleId :



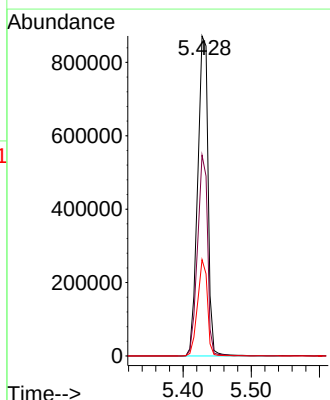
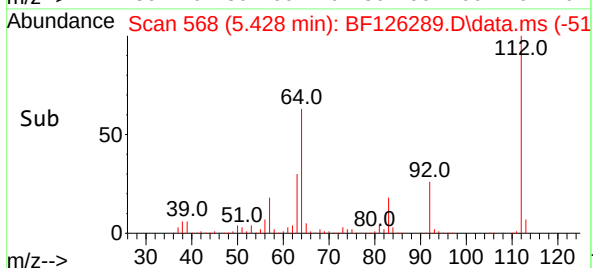
Tgt Ion:152 Resp: 139868
Ion Ratio Lower Upper
152 100
150 161.5 117.6 176.4
115 69.7 47.1 70.7

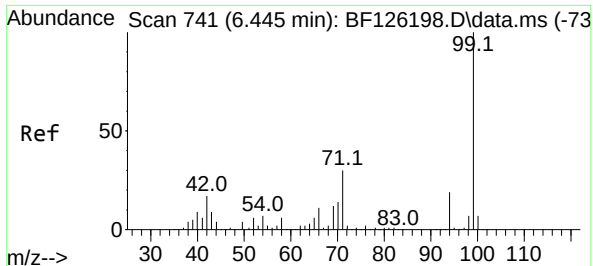


#5
2-Fluorophenol
Concen: 97.219 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.006 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51



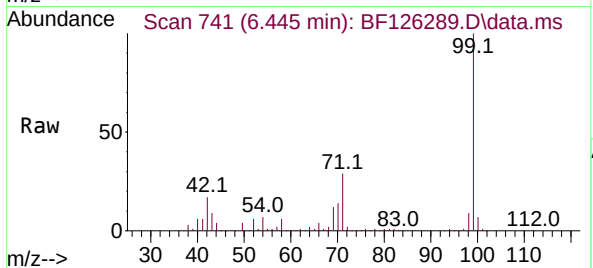
Tgt Ion:112 Resp: 923361
Ion Ratio Lower Upper
112 100
64 62.8 44.2 66.2
63 30.1 26.2 39.2



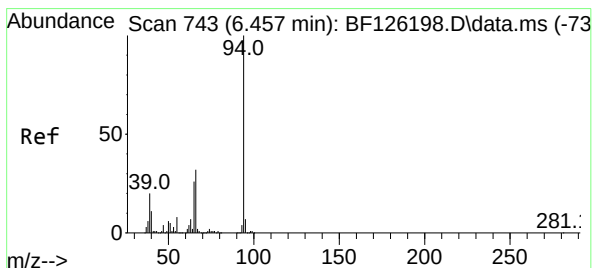
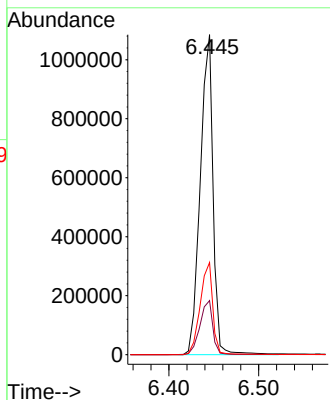
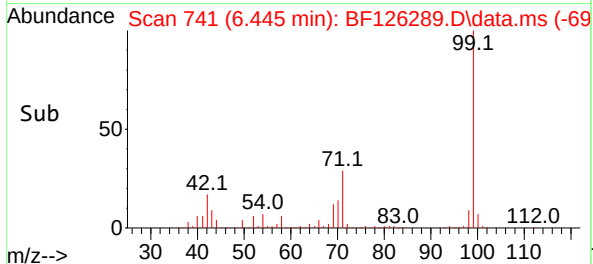


#7
Phenol-d6
Concen: 89.098 ng
RT: 6.445 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51

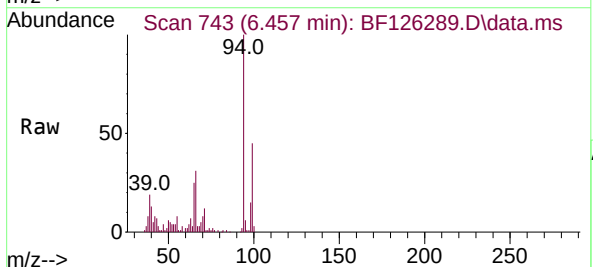
Instrument :
BNA_F
ClientSampleId :



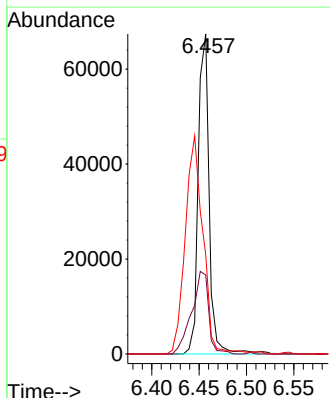
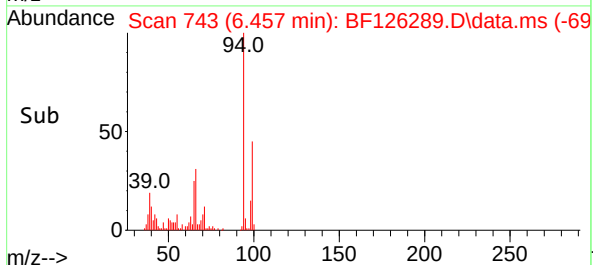
Tgt Ion: 99 Resp: 1074497
Ion Ratio Lower Upper
99 100
42 16.9 23.5 35.3#
71 28.8 25.6 38.4

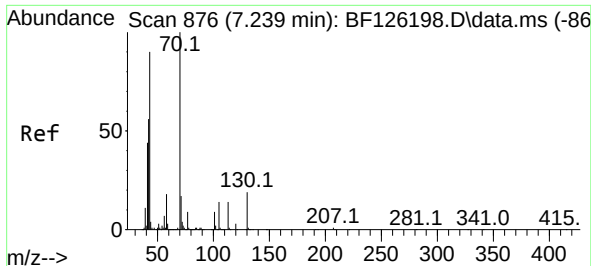


#10
Phenol
Concen: 4.028 ng
RT: 6.457 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51



Tgt Ion: 94 Resp: 54529
Ion Ratio Lower Upper
94 100
65 24.7 9.3 49.3
66 31.0 20.3 60.3





#19

n-Nitroso-di-n-propylamine

Concen: 11.117 ng

RT: 7.375 min Scan# 899

Delta R.T. 0.135 min

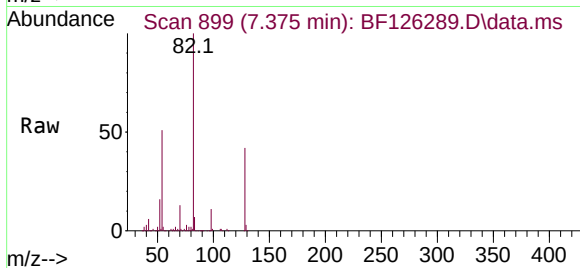
Lab File: BF126289.D

Acq: 20 Dec 2021 20:51

Instrument :

BNA_F

ClientSampleId :



Tgt Ion: 70 Resp: 82306

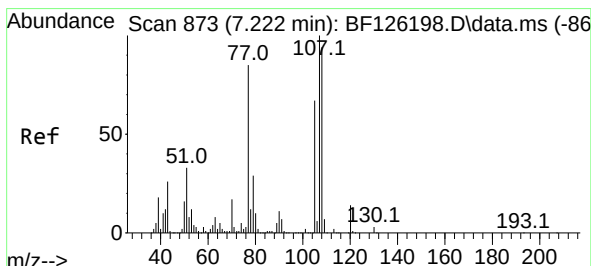
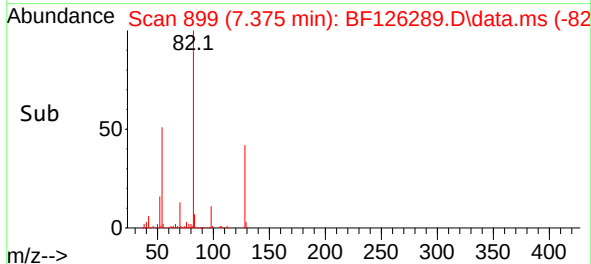
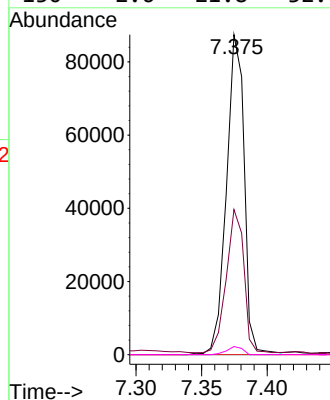
Ion Ratio Lower Upper

70 100

42 45.4 72.2 108.2#

101 0.0 7.8 11.8#

130 2.6 21.8 32.6#



#20

3+4-Methylphenols

Concen: 17.644 ng

RT: 7.269 min Scan# 881

Delta R.T. 0.047 min

Lab File: BF126289.D

Acq: 20 Dec 2021 20:51

Tgt Ion: 107 Resp: 175992

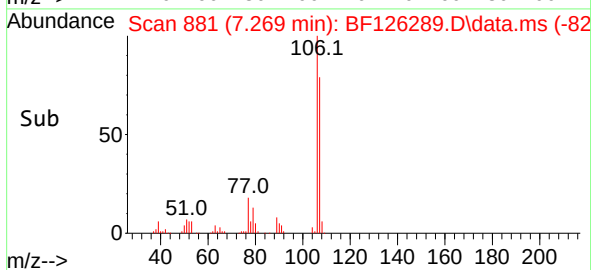
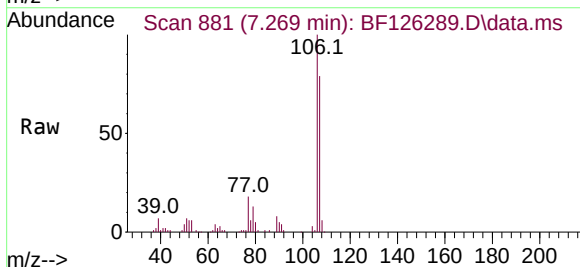
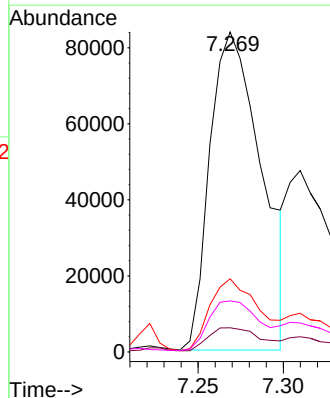
Ion Ratio Lower Upper

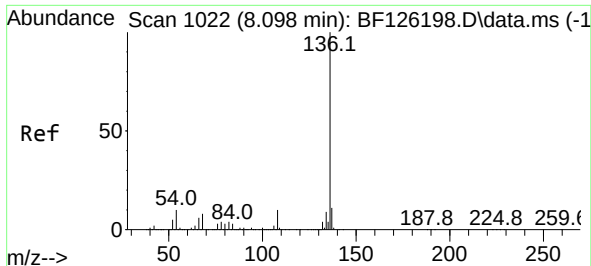
107 100

108 7.5 76.6 116.6#

77 22.9 53.3 93.3#

79 15.9 8.7 48.7

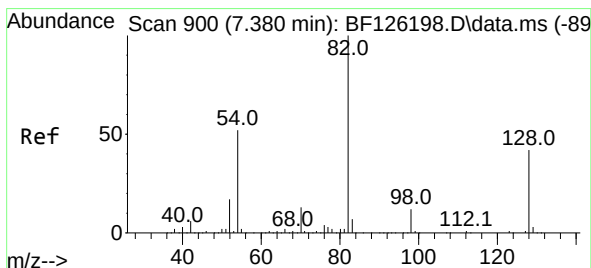
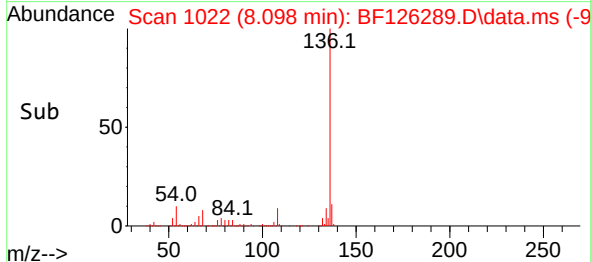
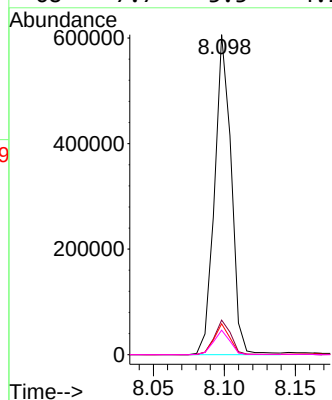
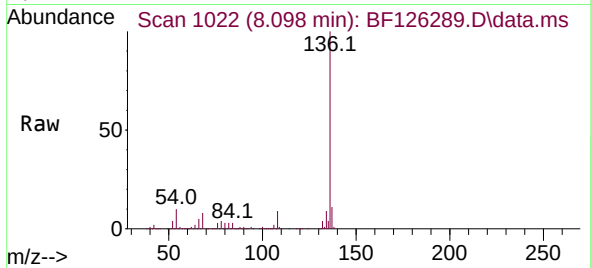




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51

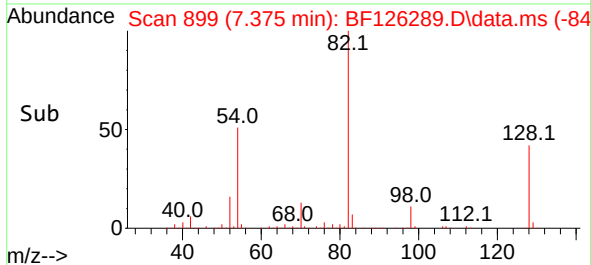
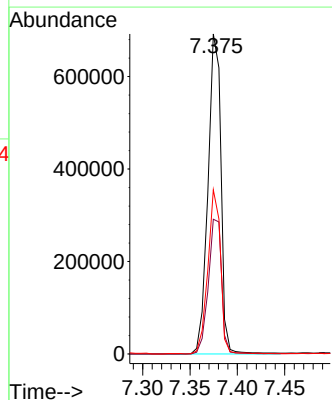
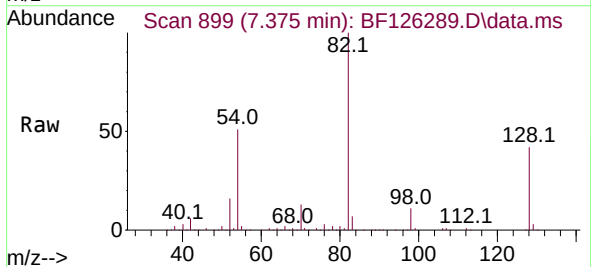
Instrument :
BNA_F
ClientSampleId :

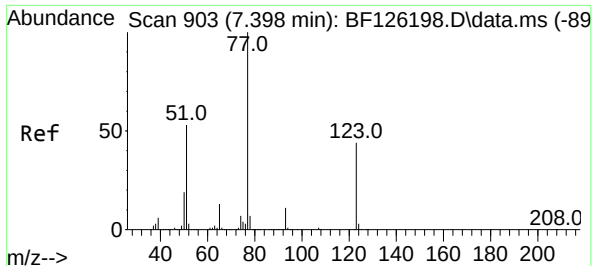
Tgt Ion:	136	Resp:	495944
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.8	14.6
54	9.7	6.4	9.6#
68	7.7	3.3	4.9#



#23
Nitrobenzene-d5
Concen: 71.970 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51

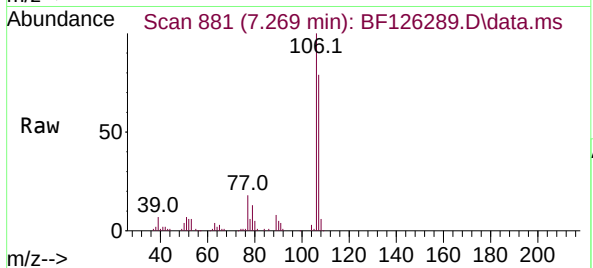
Tgt Ion:	82	Resp:	659039
Ion Ratio	Lower	Upper	
82	100		
128	42.1	40.6	60.8
54	51.3	49.6	74.4



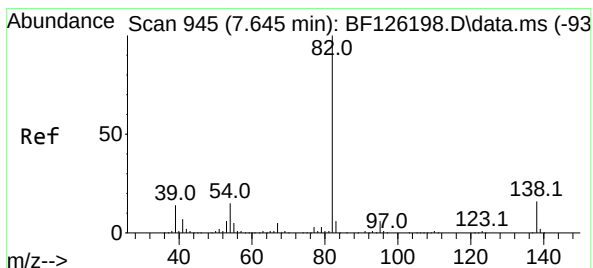
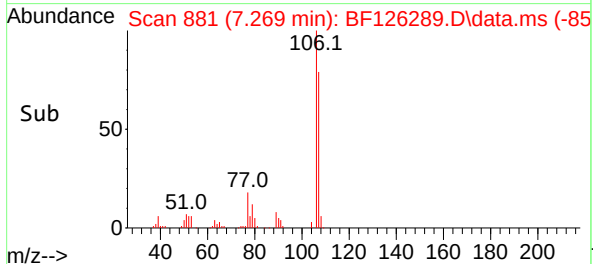
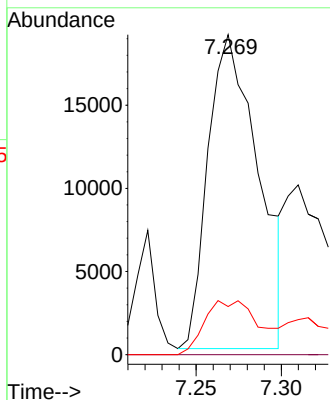


#24
Nitrobenzene
Concen: 4.238 ng
RT: 7.269 min Scan# 811
Delta R.T. -0.129 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51

Instrument :
BNA_F
ClientSampleId :

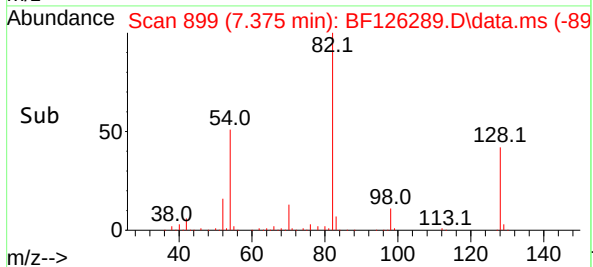
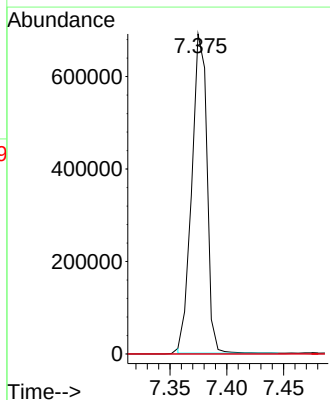
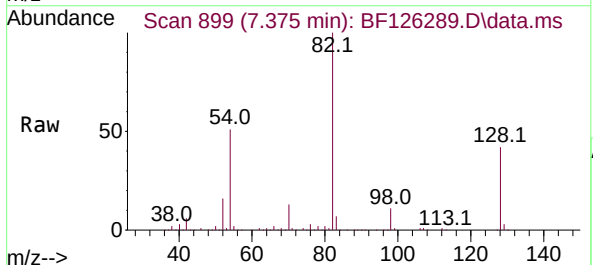


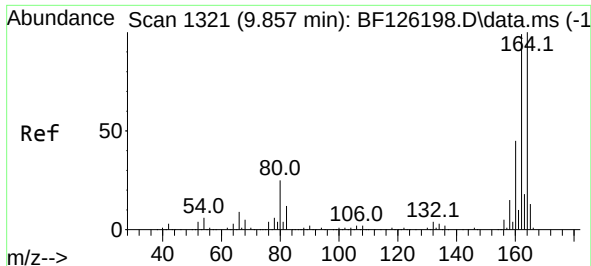
Tgt Ion: 77 Resp: 38742
Ion Ratio Lower Upper
77 100
123 0.0 42.3 63.5#
65 15.1 12.4 18.6



#25
Isophorone
Concen: 37.369 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.271 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51

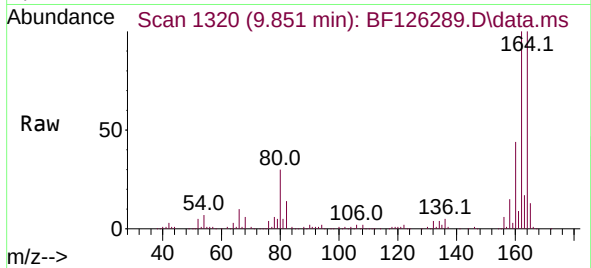
Tgt Ion: 82 Resp: 646194
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



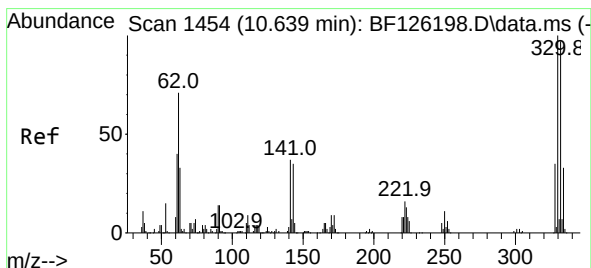
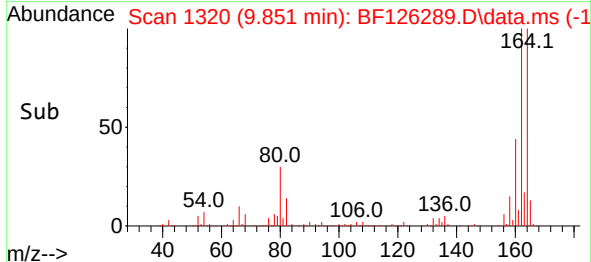
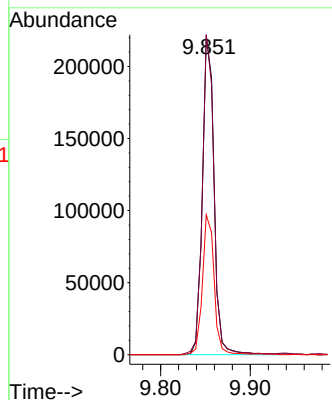


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51

Instrument :
BNA_F
ClientSampleId :

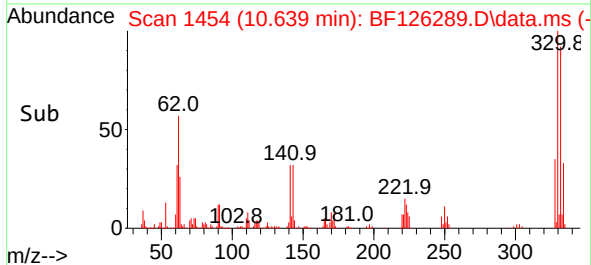
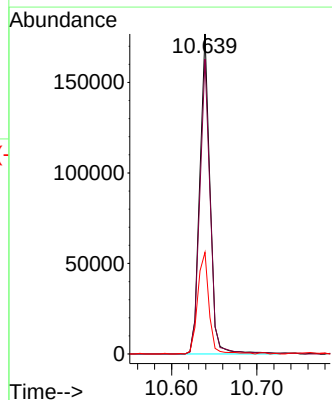
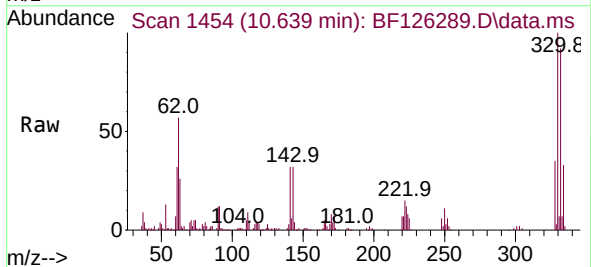


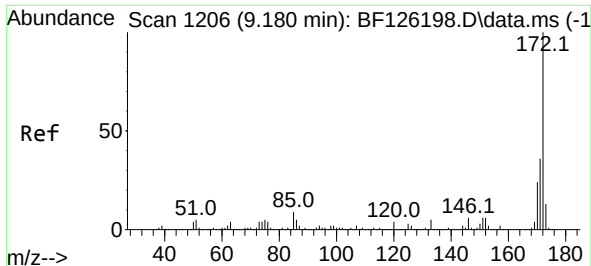
Tgt Ion:164 Resp: 199575
Ion Ratio Lower Upper
164 100
162 100.3 81.3 121.9
160 43.9 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 92.811 ng
RT: 10.639 min Scan# 1454
Delta R.T. 0.000 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51

Tgt Ion:330 Resp: 148857
Ion Ratio Lower Upper
330 100
332 93.7 76.2 114.4
141 34.9 44.6 66.8#





#45

2-Fluorobiphenyl

Concen: 69.122 ng

RT: 9.174 min Scan# 1

Delta R.T. -0.006 min

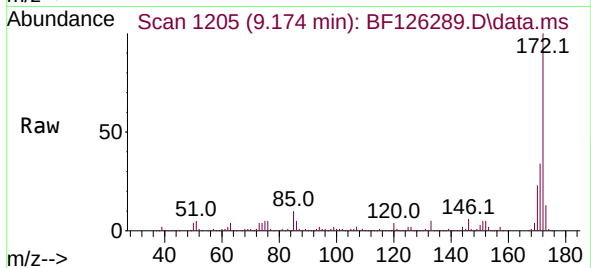
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Acq: 20 Dec 2021 20:51

Instrument :

BNA_F

ClientSampleId :



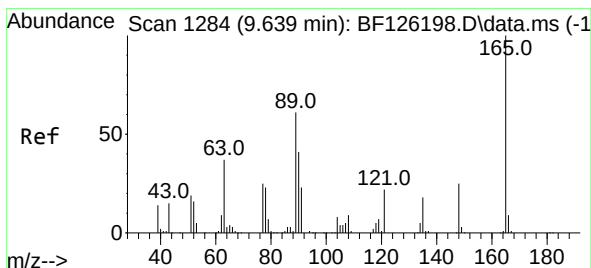
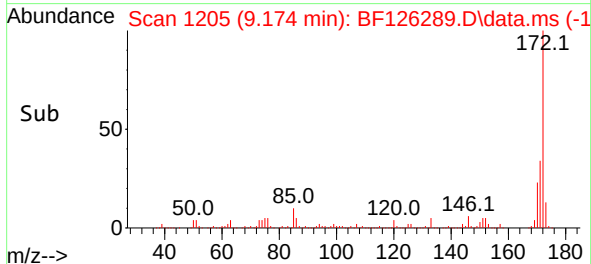
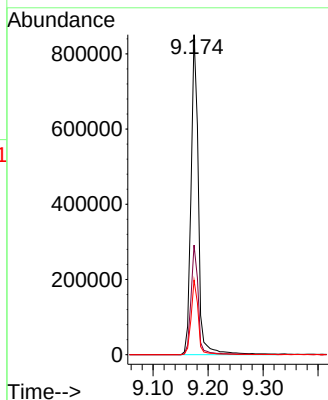
Tgt Ion:172 Resp: 786548

Ion Ratio Lower Upper

172 100

171 34.2 26.5 39.7

170 23.3 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 9.510 ng

RT: 9.851 min Scan# 1320

Delta R.T. 0.212 min

Lab File: BF126289.D

Acq: 20 Dec 2021 20:51

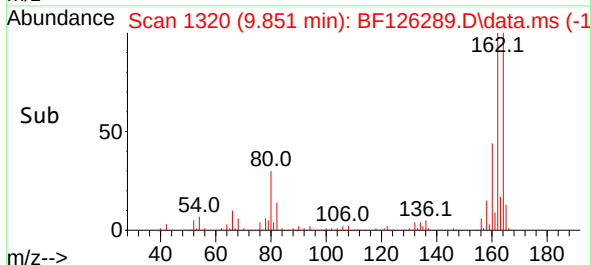
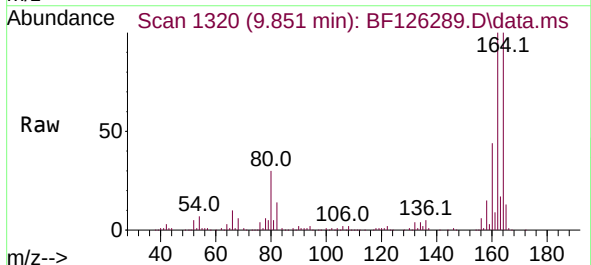
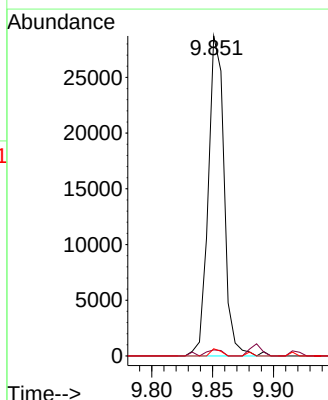
Tgt Ion:165 Resp: 26022

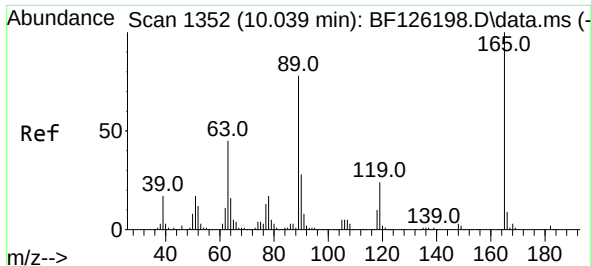
Ion Ratio Lower Upper

165 100

63 1.9 42.6 63.8#

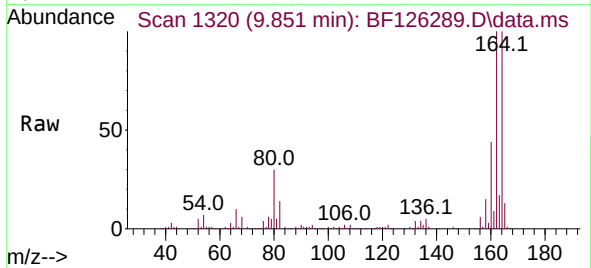
89 2.3 40.6 60.8#



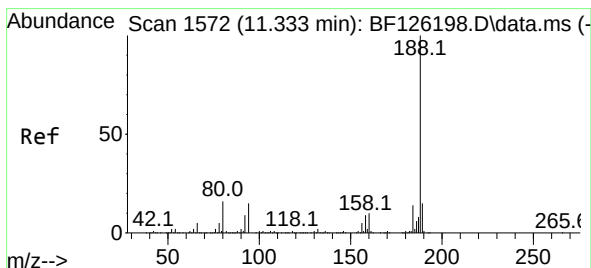
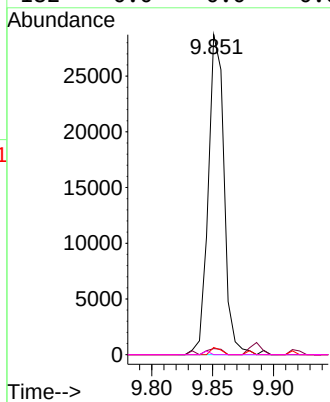
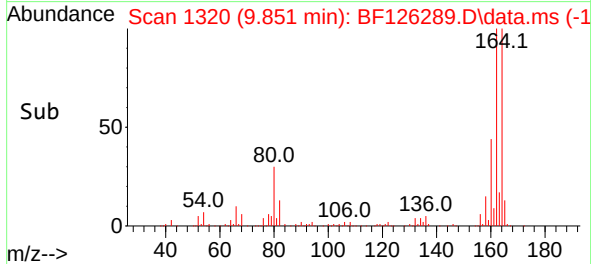


#57
2,4-Dinitrotoluene
Concen: 7.455 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51

Instrument :
BNA_F
ClientSampleId :

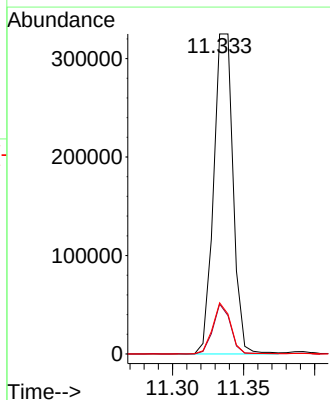
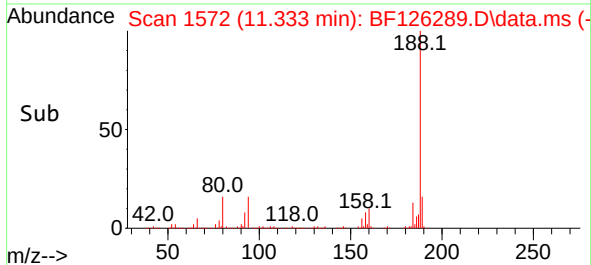
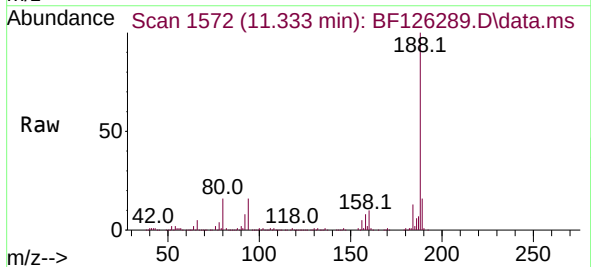


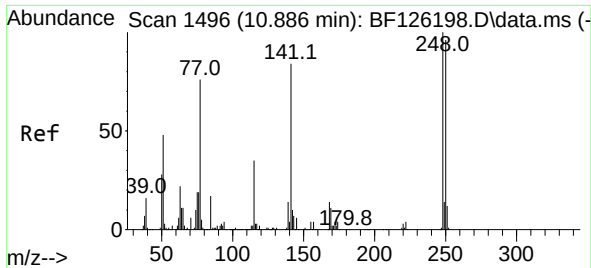
Tgt Ion:165 Resp: 26022
Ion Ratio Lower Upper
165 100
63 1.9 40.9 61.3#
89 2.3 59.7 89.5#
182 0.0 0.0 0.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51

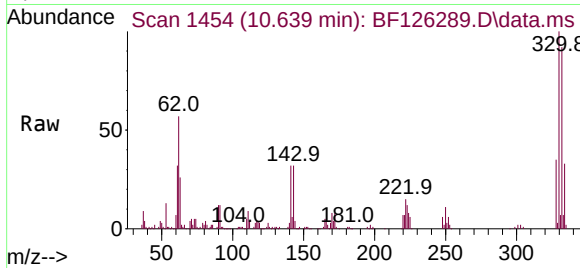
Tgt Ion:188 Resp: 309439
Ion Ratio Lower Upper
188 100
94 15.6 6.7 10.1#
80 16.0 7.5 11.3#



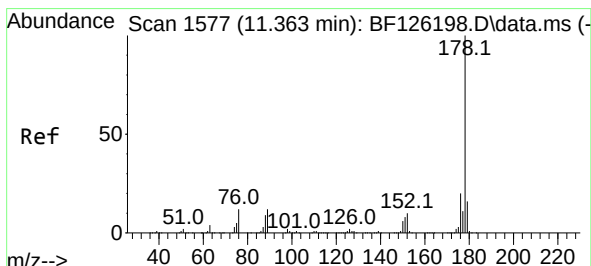
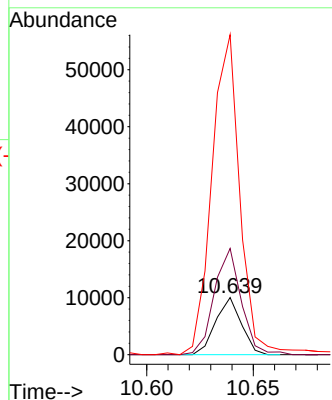
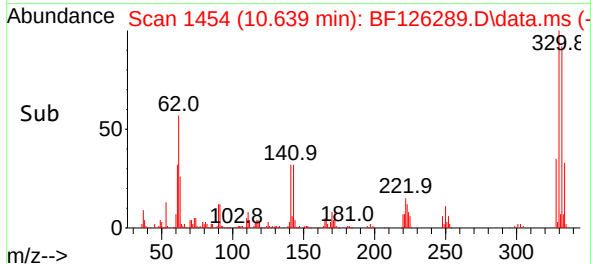


#67
4-Bromophenyl-phenylether
Concen: 2.898 ng
RT: 10.639 min Scan# 1496
Delta R.T. -0.247 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51

Instrument :
BNA_F
ClientSampleId :

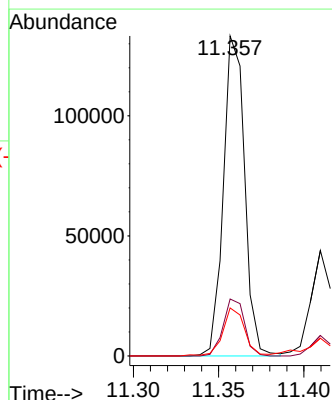
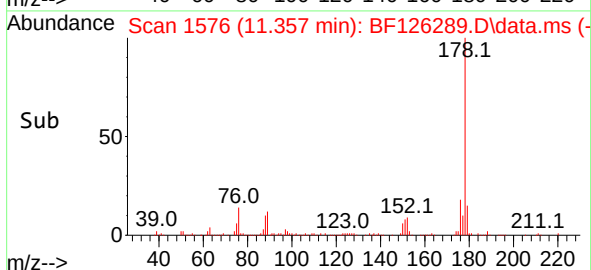
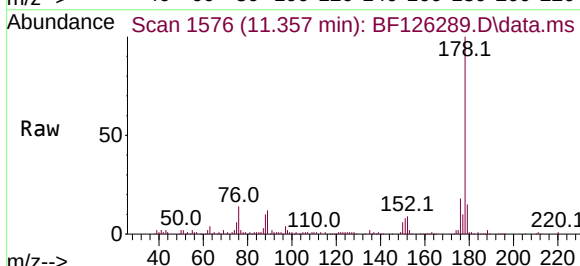


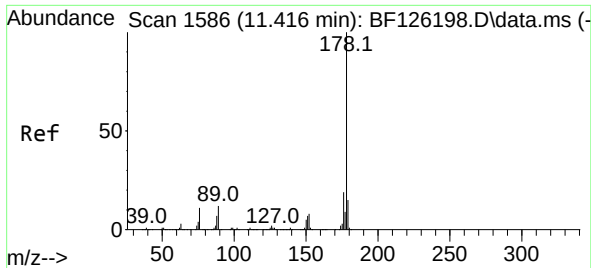
Tgt Ion:248 Resp: 8416
Ion Ratio Lower Upper
248 100
250 186.1 74.2 111.4#
141 560.5 60.4 90.6#



#71
Phenanthrene
Concen: 7.245 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51

Tgt Ion:178 Resp: 115717
Ion Ratio Lower Upper
178 100
176 17.8 14.7 22.1
179 15.0 11.5 17.3

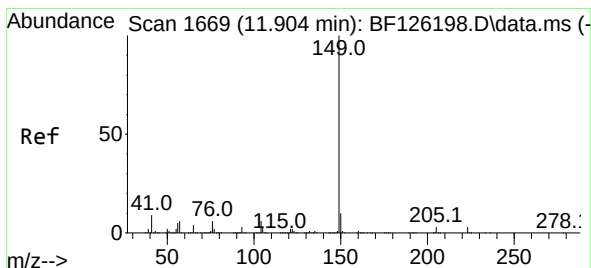
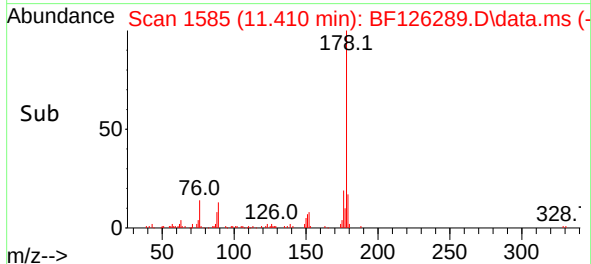
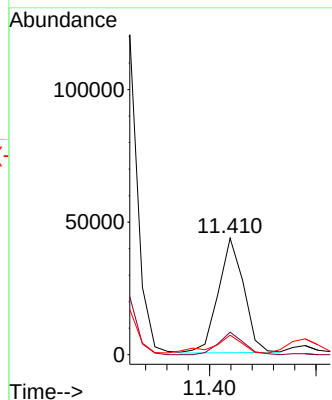
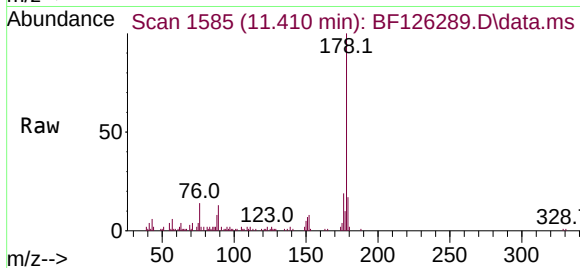




#72
 Anthracene
 Concen: 2.244 ng
 RT: 11.410 min Scan# 1586
 Delta R.T. -0.006 min
 Lab File: BF126289.D
 Acq: 20 Dec 2021 20:51

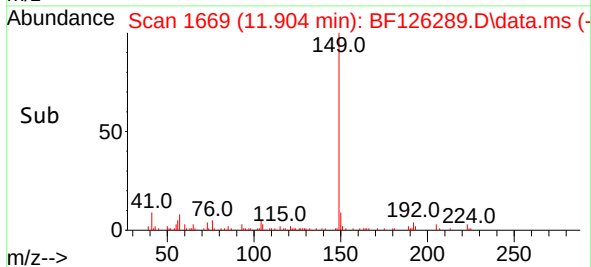
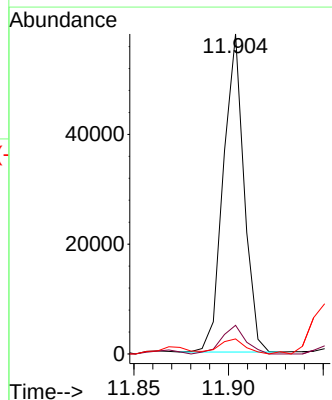
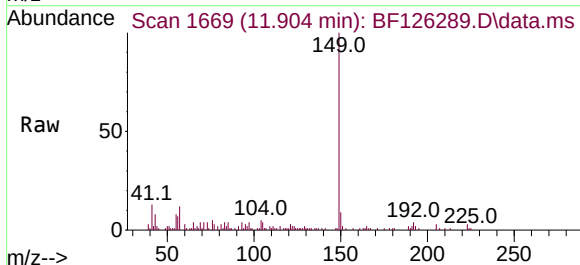
Instrument :
 BNA_F
 ClientSampleId :

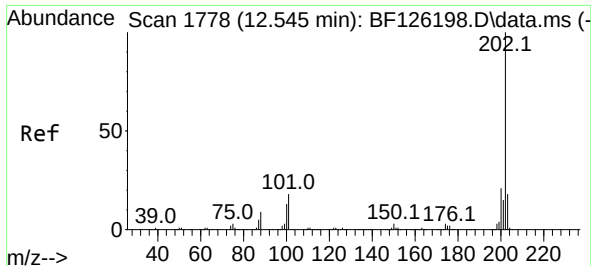
Tgt Ion:178 Resp: 35968
 Ion Ratio Lower Upper
 178 100
 176 19.4 14.3 21.5
 179 16.8 12.2 18.4



#74
 Di-n-butylphthalate
 Concen: 2.306 ng
 RT: 11.904 min Scan# 1669
 Delta R.T. 0.000 min
 Lab File: BF126289.D
 Acq: 20 Dec 2021 20:51

Tgt Ion:149 Resp: 44133
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.4 11.2
 104 4.7 4.1 6.1

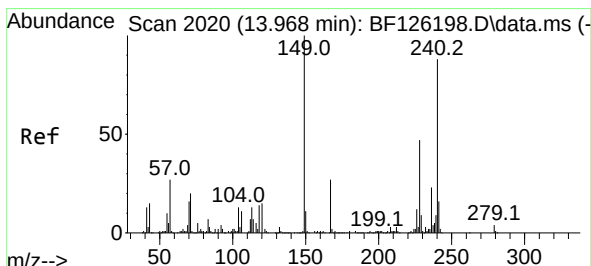
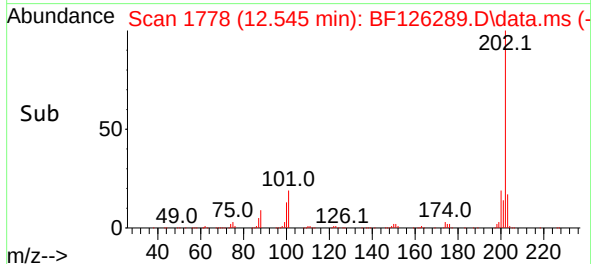
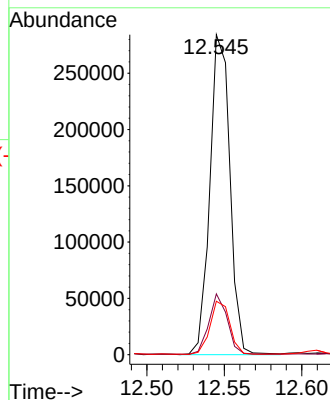
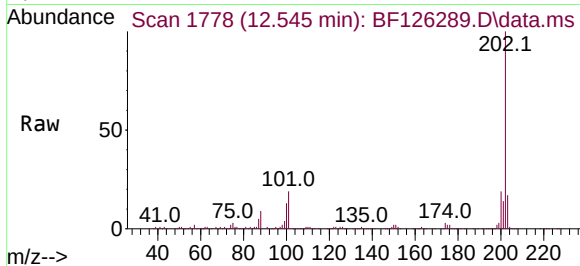




#75
Fluoranthene
Concen: 17.800 ng
RT: 12.545 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51

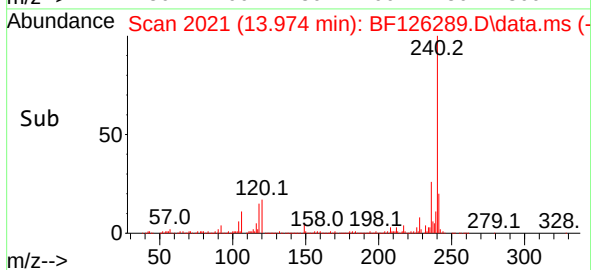
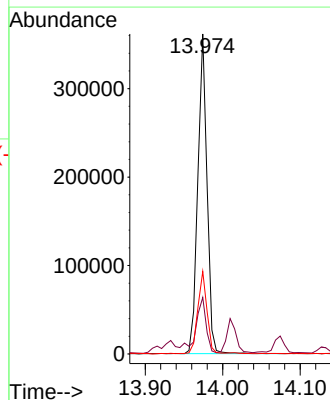
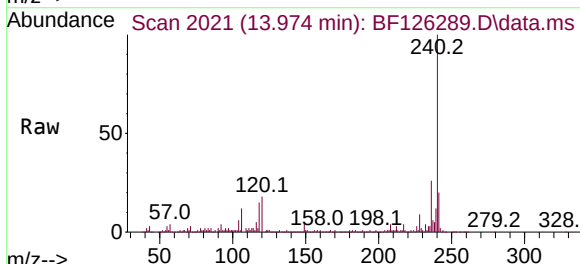
Instrument :
BNA_F
ClientSampleId :

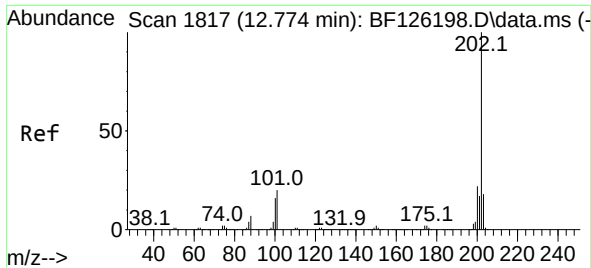
Tgt Ion:202 Resp: 256131
Ion Ratio Lower Upper
202 100
101 19.0 0.0 30.7
203 16.7 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51

Tgt Ion:240 Resp: 298390
Ion Ratio Lower Upper
240 100
120 17.6 10.8 16.2#
236 25.8 21.6 32.4

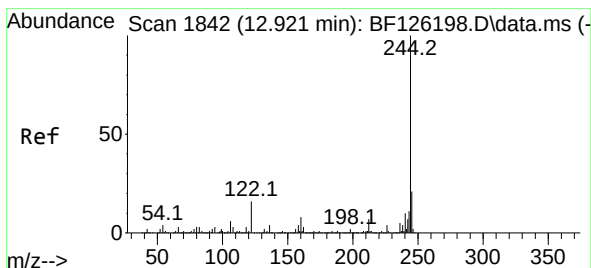
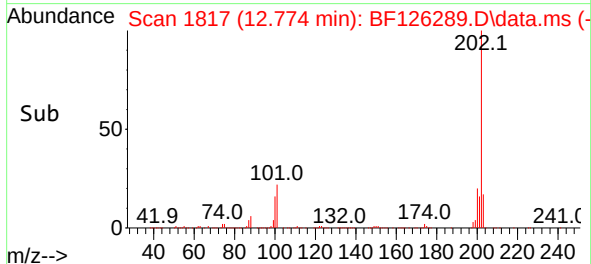
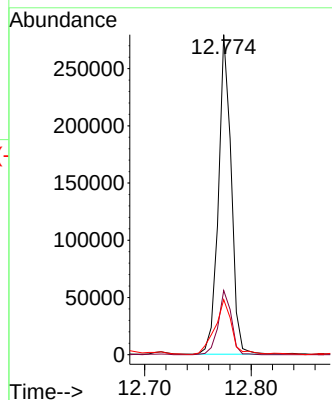
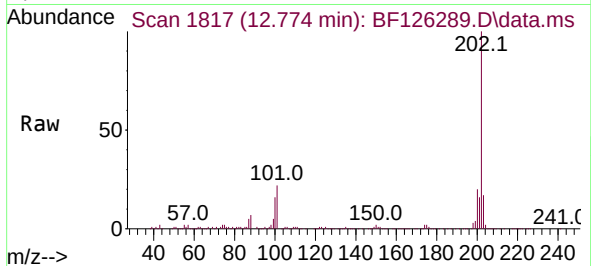




#78
Pyrene
Concen: 8.451 ng
RT: 12.774 min Scan# 1817
Delta R.T. 0.000 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51

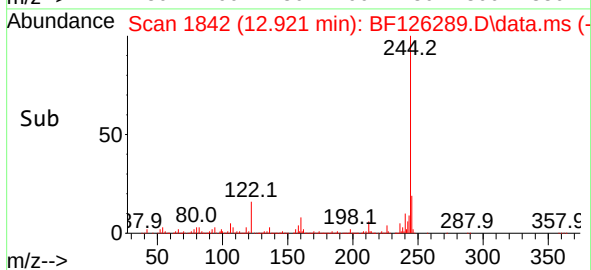
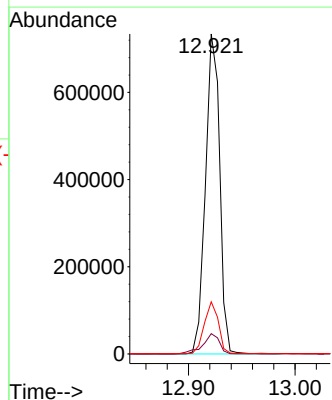
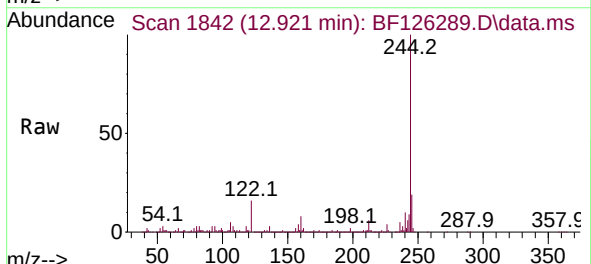
Instrument :
BNA_F
ClientSampleId :

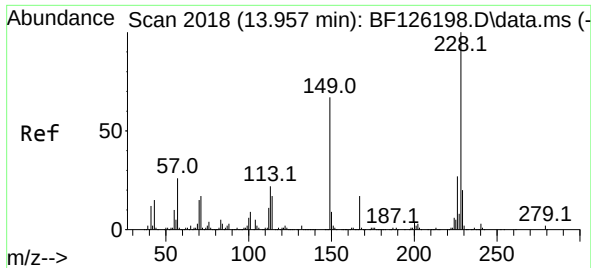
Tgt Ion:202 Resp: 231681
Ion Ratio Lower Upper
202 100
200 20.1 15.3 22.9
203 17.2 13.4 20.0



#79
Terphenyl-d14
Concen: 39.829 ng
RT: 12.921 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51

Tgt Ion:244 Resp: 683756
Ion Ratio Lower Upper
244 100
212 6.3 5.9 8.9
122 16.3 9.0 13.4#

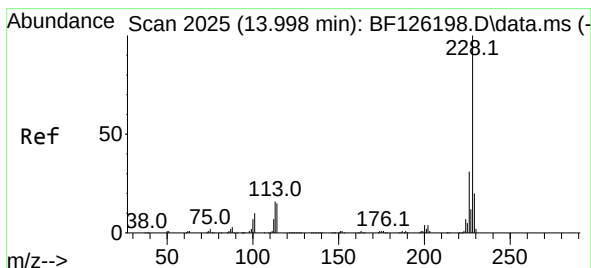
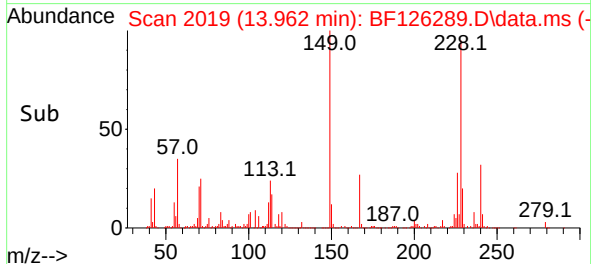
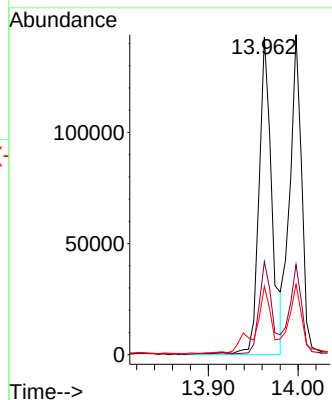
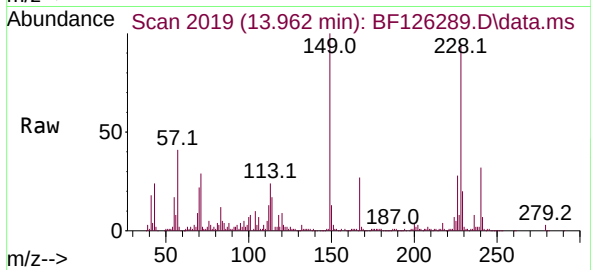




#81
Benzo(a)anthracene
Concen: 8.053 ng
RT: 13.962 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51

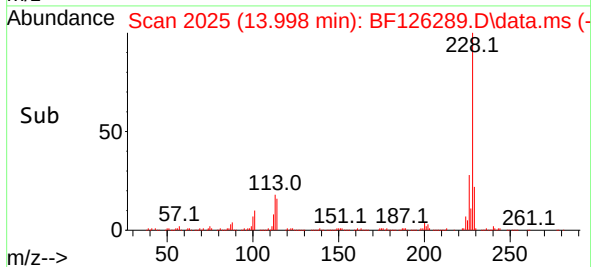
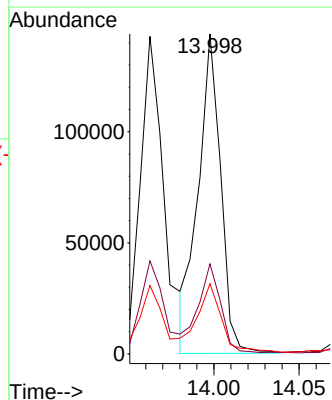
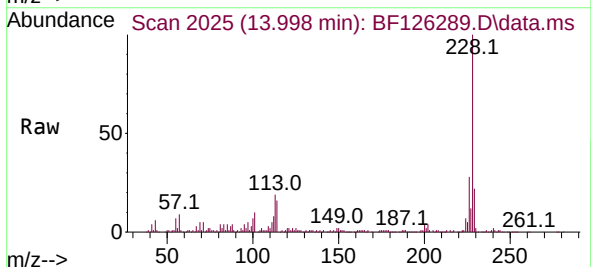
Instrument :
BNA_F
ClientSampleId :

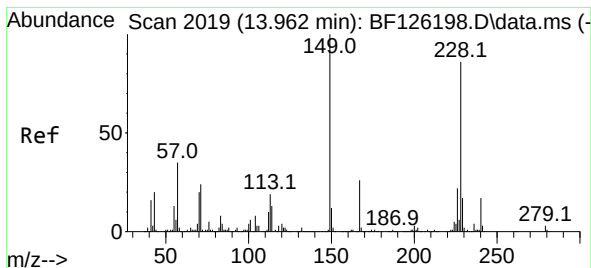
Tgt Ion:228 Resp: 142337
Ion Ratio Lower Upper
228 100
226 29.3 21.6 32.4
229 21.6 15.6 23.4



#83
Chrysene
Concen: 7.184 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51

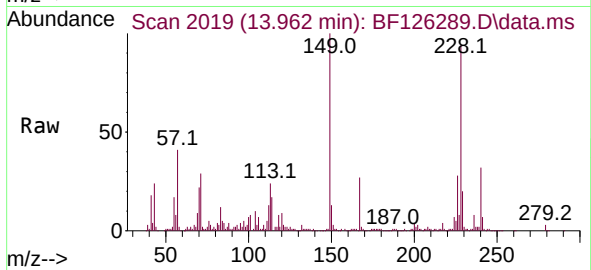
Tgt Ion:228 Resp: 131922
Ion Ratio Lower Upper
228 100
226 28.1 22.6 34.0
229 22.0 15.9 23.9



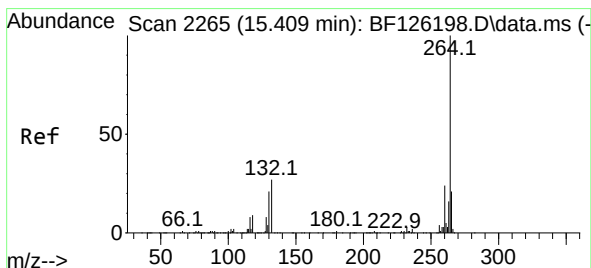
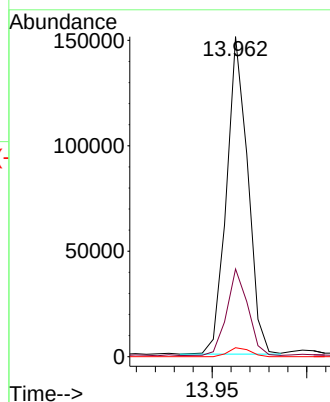
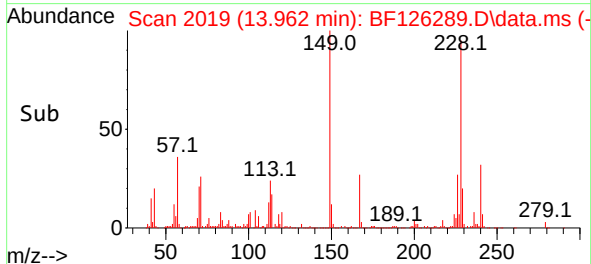


#84
Bis(2-ethylhexyl)phthalate
Concen: 8.140 ng
RT: 13.962 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51

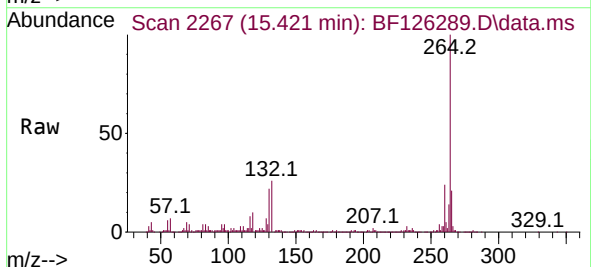
Instrument :
BNA_F
ClientSampleId :



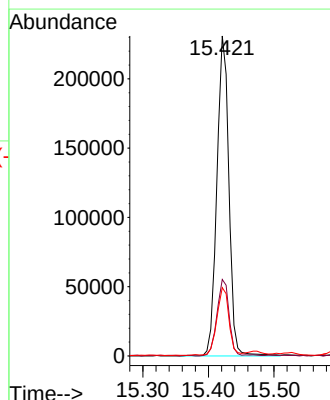
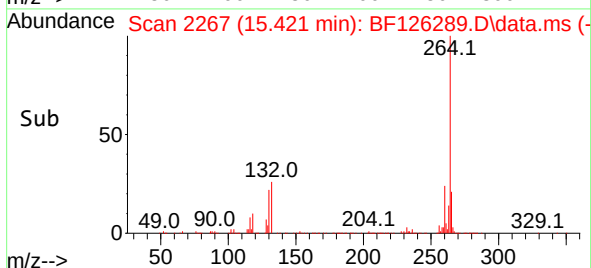
Tgt Ion:149 Resp: 117344
Ion Ratio Lower Upper
149 100
167 27.4 21.4 32.0
279 2.8 2.6 4.0

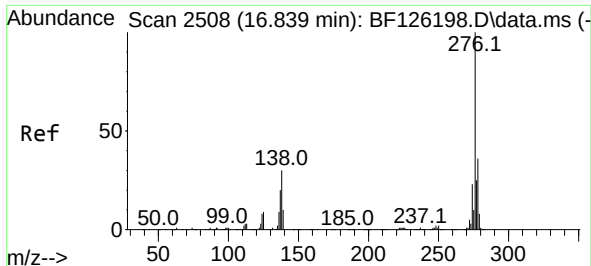


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2267
Delta R.T. 0.012 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51



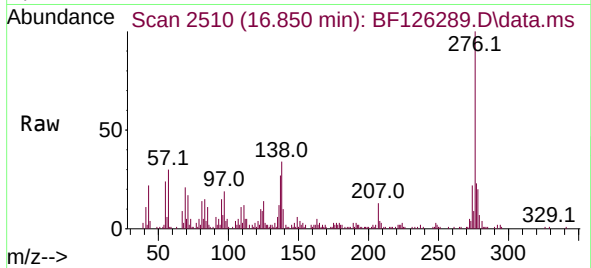
Tgt Ion:264 Resp: 293367
Ion Ratio Lower Upper
264 100
260 23.9 19.6 29.4
265 21.3 17.2 25.8



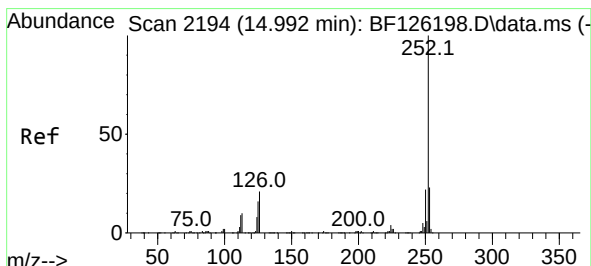
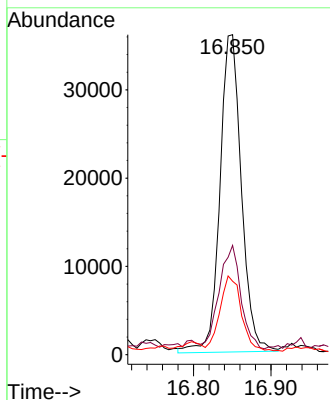
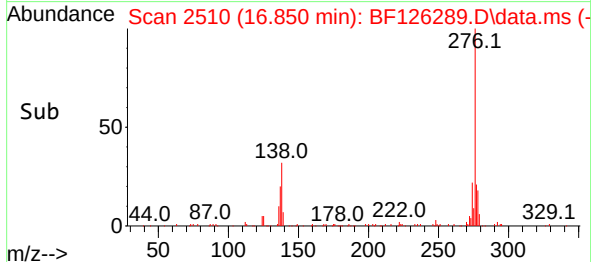


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.554 ng
 RT: 16.850 min Scan# 2196
 Delta R.T. 0.012 min
 Lab File: BF126289.D
 Acq: 20 Dec 2021 20:51

Instrument :
 BNA_F
 ClientSampleId :

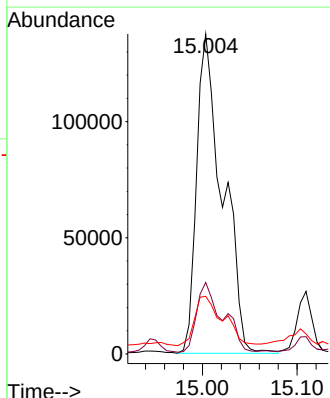
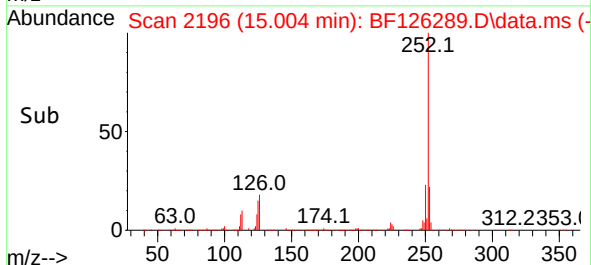
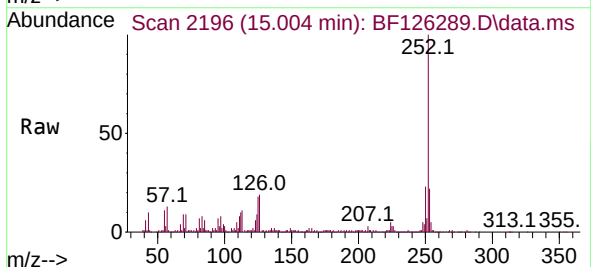


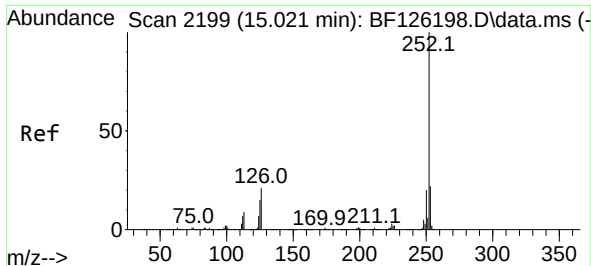
Tgt Ion:276 Resp: 69535
 Ion Ratio Lower Upper
 276 100
 138 32.7 24.1 36.1
 277 24.1 18.8 28.2



#88
 Benzo(b)fluoranthene
 Concen: 14.849 ng
 RT: 15.004 min Scan# 2196
 Delta R.T. 0.012 min
 Lab File: BF126289.D
 Acq: 20 Dec 2021 20:51

Tgt Ion:252 Resp: 261742
 Ion Ratio Lower Upper
 252 100
 253 22.4 16.8 25.2
 125 18.0 9.8 14.8#

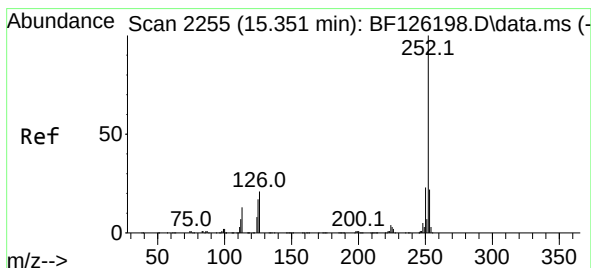
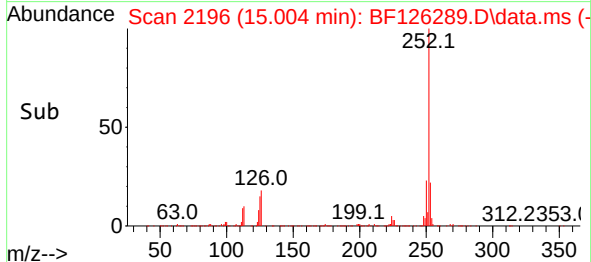
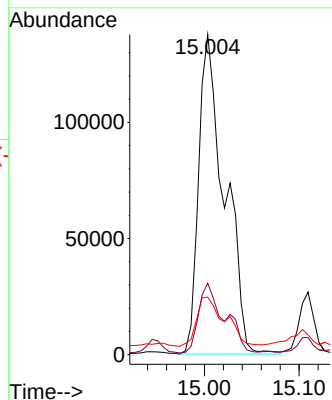
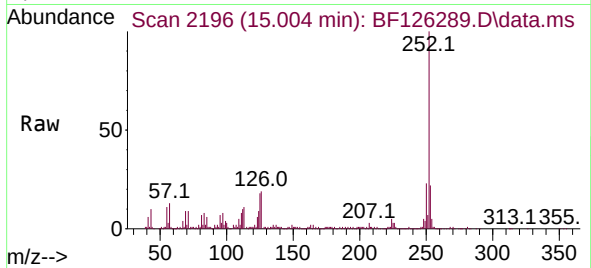




#89
Benzo(k)fluoranthene
Concen: 15.522 ng
RT: 15.004 min Scan# 2199
Delta R.T. -0.018 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51

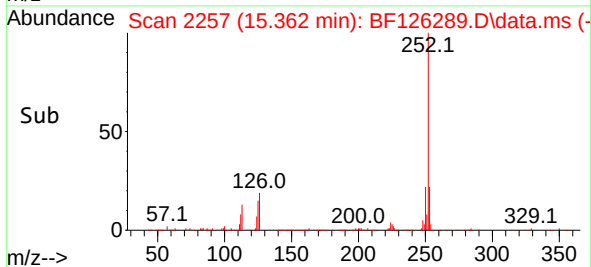
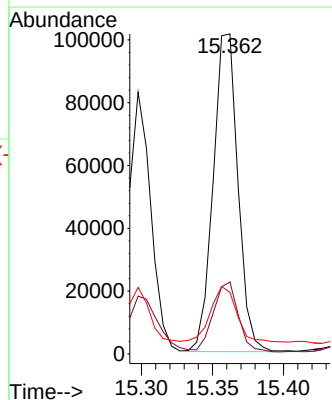
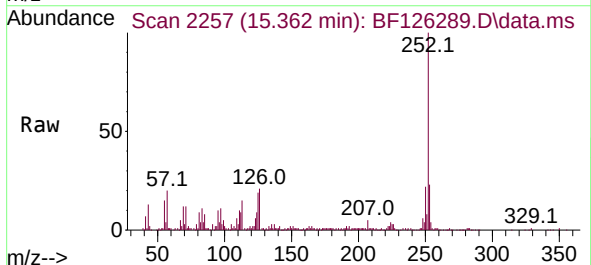
Instrument :
BNA_F
ClientSampleId :

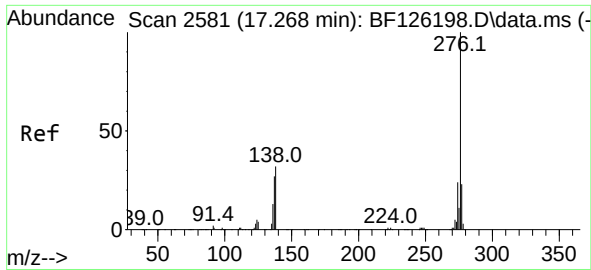
Tgt Ion:252 Resp: 261742
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 18.0 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 8.380 ng
RT: 15.362 min Scan# 2257
Delta R.T. 0.012 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51

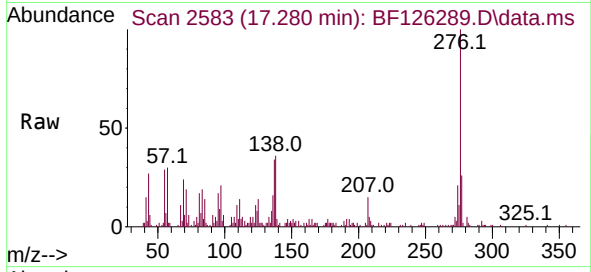
Tgt Ion:252 Resp: 122766
Ion Ratio Lower Upper
252 100
253 22.5 18.4 27.6
125 19.3 9.9 14.9#





#92
 Benzo(g,h,i)perylene
 Concen: 3.875 ng
 RT: 17.280 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF126289.D
 Acq: 20 Dec 2021 20:51

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:276 Resp: 63779
 Ion Ratio Lower Upper
 276 100
 277 25.7 22.0 33.0
 138 35.5 22.2 33.4#

