

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120920\
 Data File : BF122633.D
 Acq On : 10 Dec 2020 3:08
 Operator : JU/CG
 Sample : L4972-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-120820

Quant Time: Dec 10 06:21:20 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 07 12:08:49 2020
 Response via : Initial Calibration

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

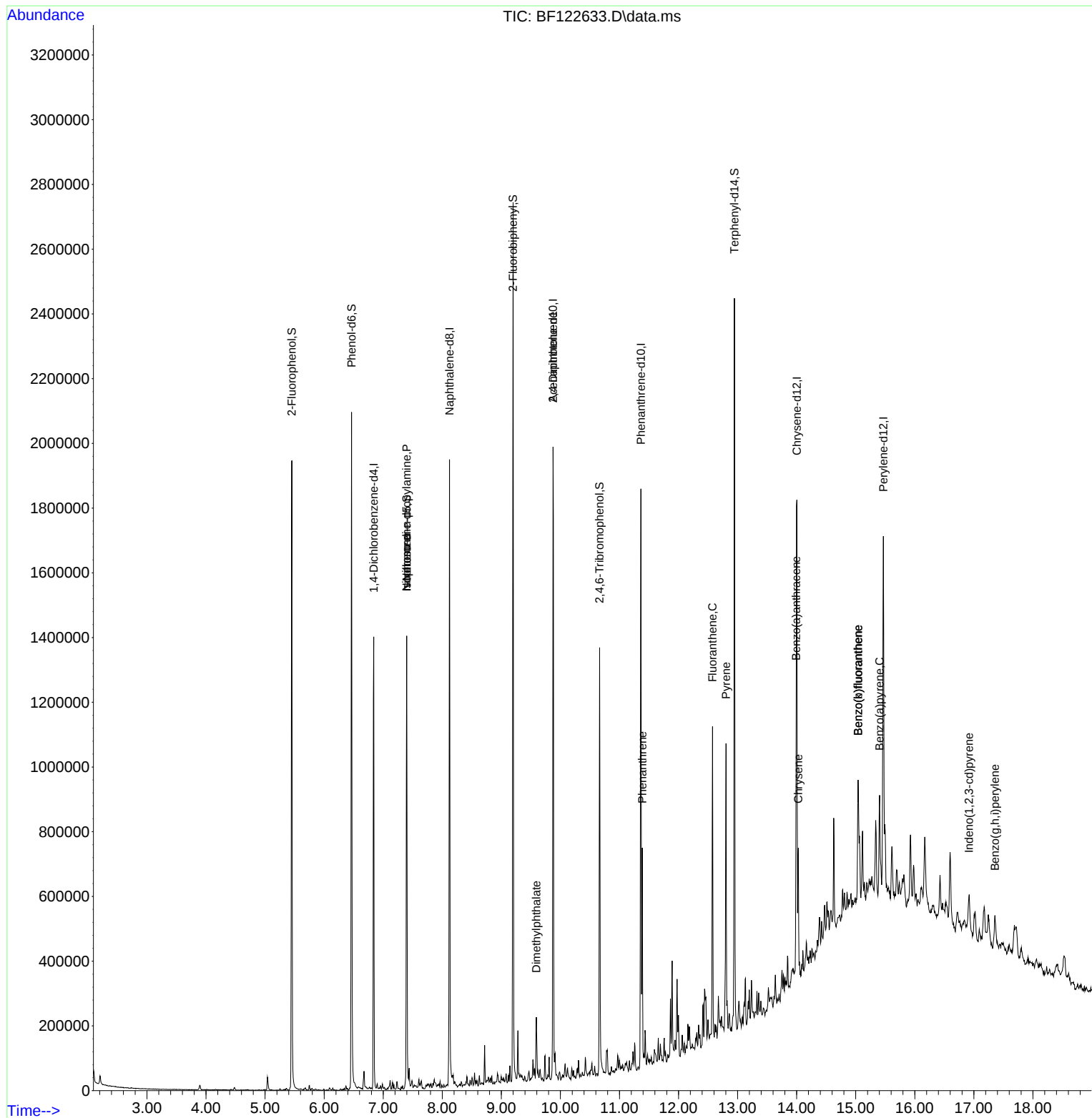
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	210628	20.00	ng	0.00
21) Naphthalene-d8	8.122	136	817638	20.00	ng	0.00
39) Acenaphthene-d10	9.875	164	413791	20.00	ng	0.00
64) Phenanthrene-d10	11.363	188	673484	20.00	ng	0.00
76) Chrysene-d12	14.004	240	498586	20.00	ng	0.00
86) Perylene-d12	15.468	264	529560	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	561854	42.23	ng	0.00
7) Phenol-d6	6.463	99	696868	39.49	ng	-0.02
23) Nitrobenzene-d5	7.398	82	430089	26.35	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	173687	32.07	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	815468	26.66	ng	0.00
79) Terphenyl-d14	12.945	244	674256	23.67	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.398	70	56159	5.56	ng	# 78
25) Isophorone	7.398	82	427430	15.21	ng	# 65
50) Dimethylphthalate	9.592	163	80728	2.44	ng	99
57) 2,4-Dinitrotoluene	9.875	165	56808	6.11	ng	# 26
71) Phenanthrene	11.386	178	237658	5.94	ng	98
75) Fluoranthene	12.575	202	364773	8.69	ng	98
78) Pyrene	12.804	202	344563	8.94	ng	97
81) Benzo(a)anthracene	13.992	228	153394	4.60	ng	94
83) Chrysene	14.027	228	170094	5.13	ng	96
87) Indeno(1,2,3-cd)pyrene	16.915	276	85028	2.45	ng	97
88) Benzo(b)fluoranthene	15.039	252	282118	7.59	ng	# 97
89) Benzo(k)fluoranthene	15.039	252	282512	8.32	ng	97
90) Benzo(a)pyrene	15.404	252	151793	4.67	ng	98
92) Benzo(g,h,i)perylene	17.357	276	85178	3.09	ng	98

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

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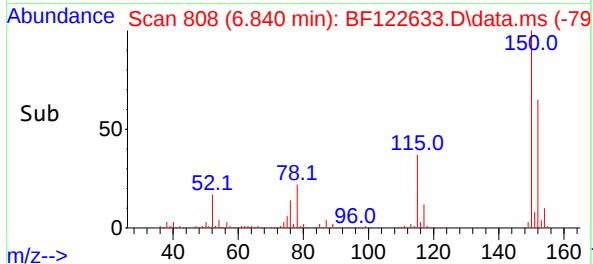
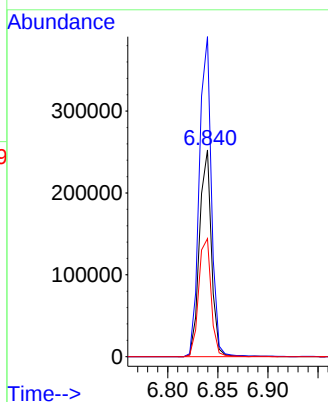
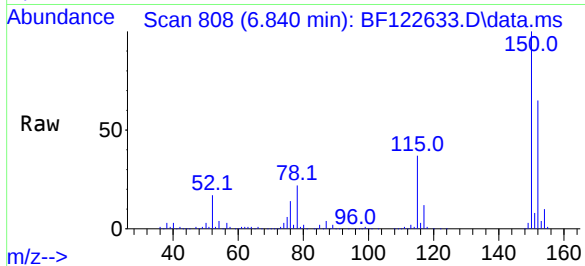




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.840 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF122633.D
Acq: 10 Dec 2020 3:08

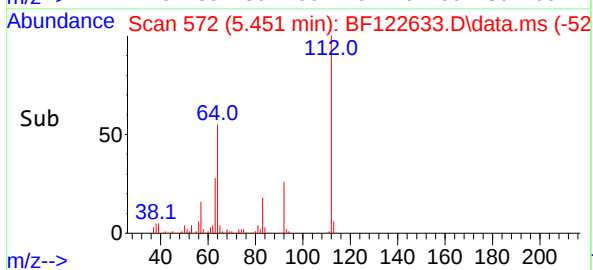
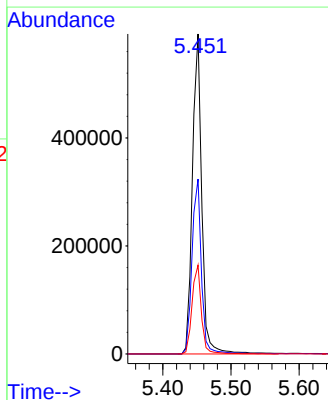
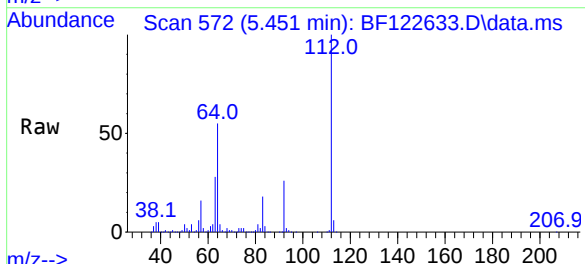
Instrument :
BNA_F
ClientSampleId :
SU-01-120820

Tgt Ion:152 Resp: 210628
Ion Ratio Lower Upper
152 100
150 154.8 125.8 188.6
115 57.1 49.3 73.9



#5
2-Fluorophenol
Concen: 42.23 ng
RT: 5.451 min Scan# 572
Delta R.T. -0.006 min
Lab File: BF122633.D
Acq: 10 Dec 2020 3:08

Tgt Ion:112 Resp: 561854
Ion Ratio Lower Upper
112 100
64 54.6 46.9 70.3
63 27.7 24.5 36.7



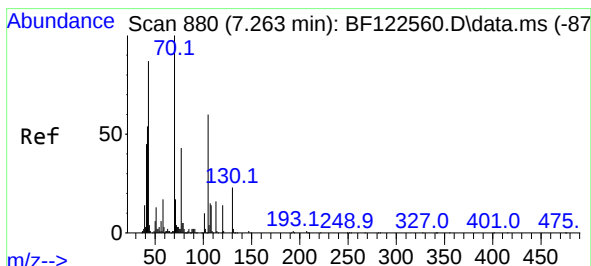
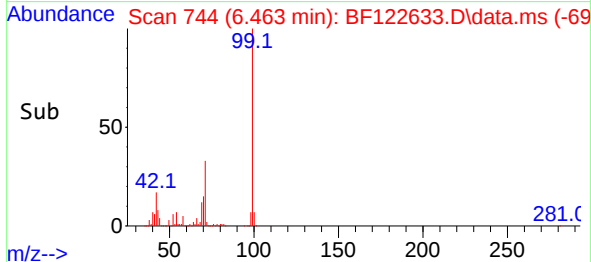
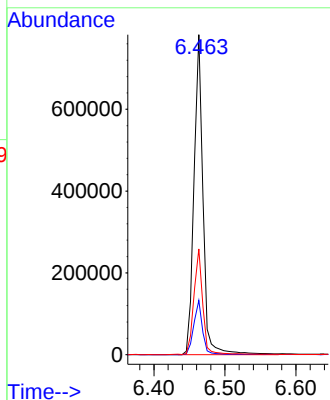
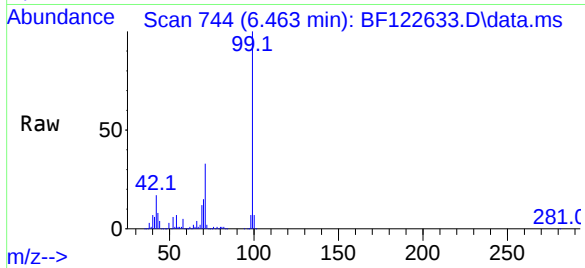


#7
Phenol-d6
Concen: 39.49 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.018 min
Lab File: BF122633.D
Acq: 10 Dec 2020 3:08

Instrument :
BNA_F
ClientSampleId :
SU-01-120820

Tgt Ion: 99 Resp: 696868

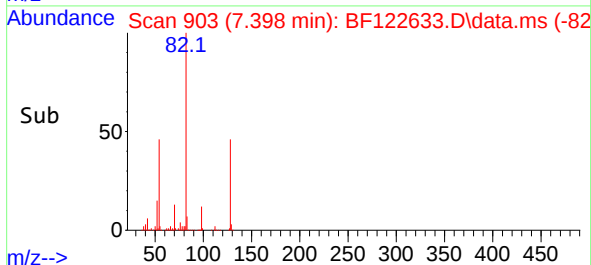
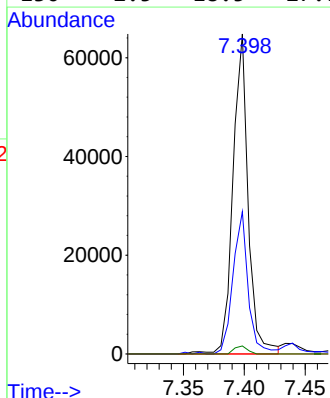
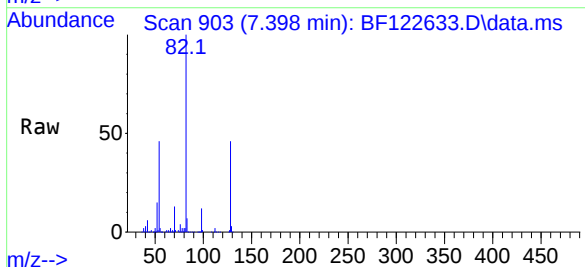
Ion	Ratio	Lower	Upper
99	100		
42	17.0	13.8	20.6
71	33.1	26.9	40.3



#19
n-Nitroso-di-n-propylamine
Concen: 5.56 ng
RT: 7.398 min Scan# 903
Delta R.T. 0.135 min
Lab File: BF122633.D
Acq: 10 Dec 2020 3:08

Tgt Ion: 70 Resp: 56159

Ion	Ratio	Lower	Upper
70	100		
42	44.5	43.0	64.4
101	0.0	7.9	11.9#
130	2.5	18.5	27.7#



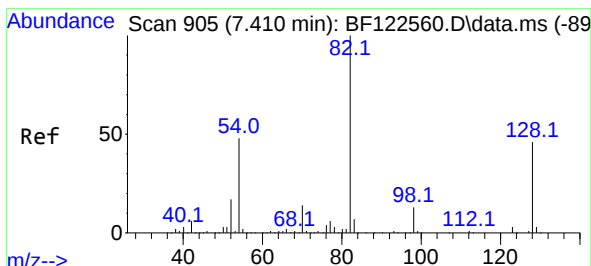
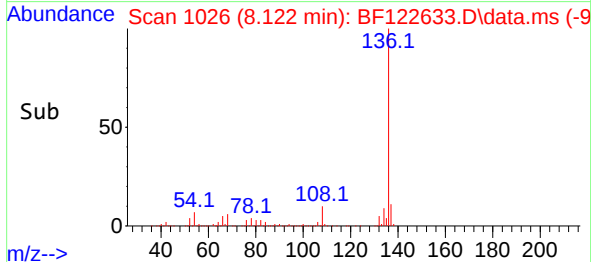
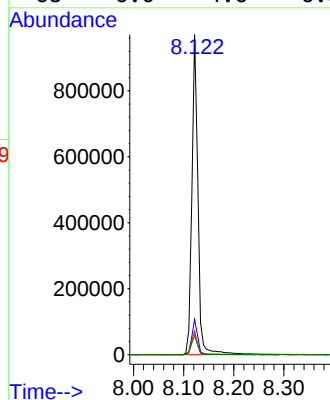
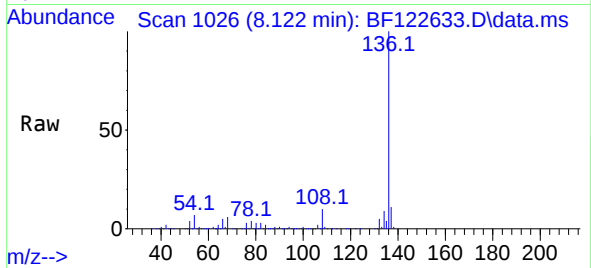


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF122633.D
Acq: 10 Dec 2020 3:08

Instrument :
BNA_F
ClientSampleId :
SU-01-120820

Tgt Ion:136 Resp: 817638

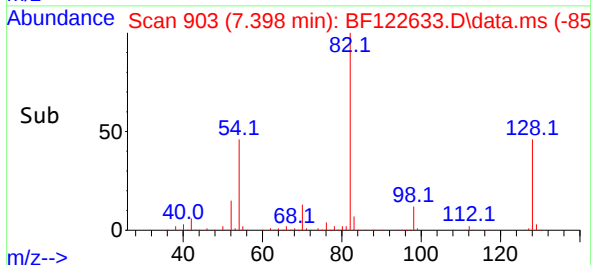
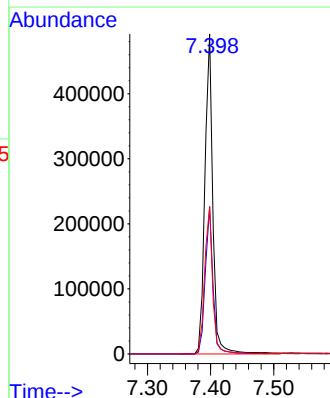
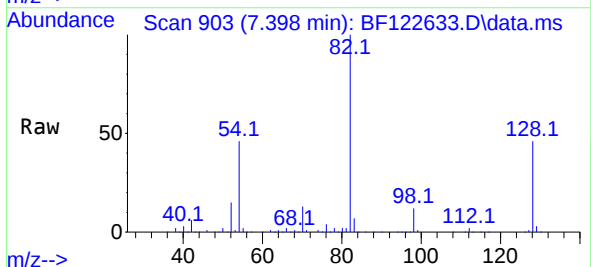
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.4	5.5	8.3
68	6.0	4.6	6.8

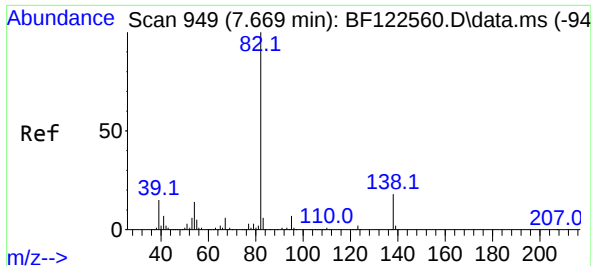


#23
Nitrobenzene-d5
Concen: 26.35 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.012 min
Lab File: BF122633.D
Acq: 10 Dec 2020 3:08

Tgt Ion: 82 Resp: 430089

Ion	Ratio	Lower	Upper
82	100		
128	46.0	37.0	55.4
54	46.0	38.4	57.6

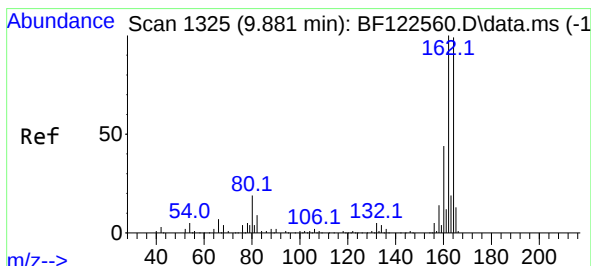
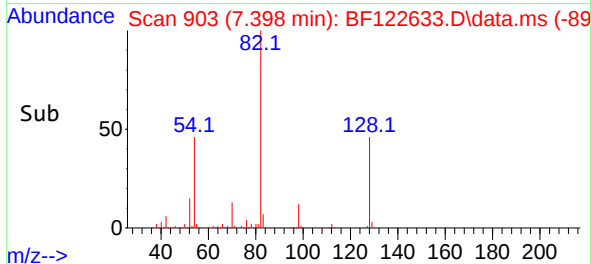
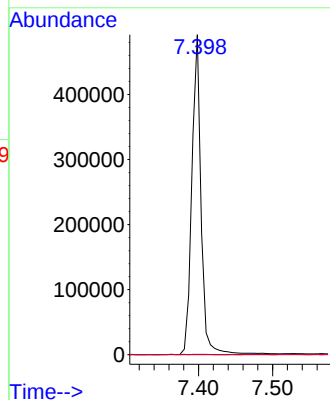
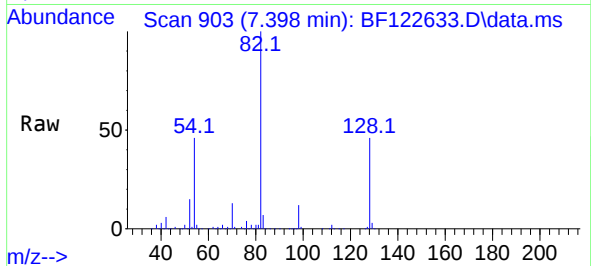




#25
Isophorone
Concen: 15.21 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.271 min
Lab File: BF122633.D
Acq: 10 Dec 2020 3:08

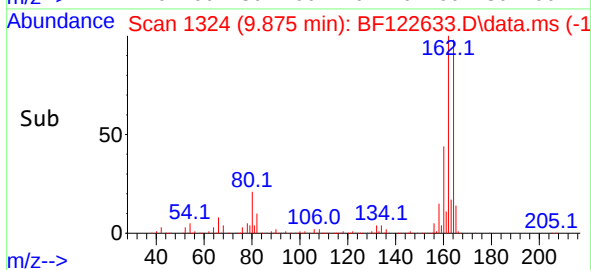
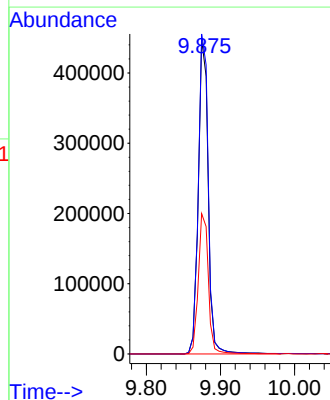
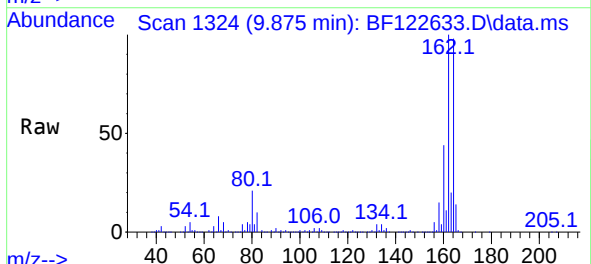
Instrument :
BNA_F
ClientSampleId :
SU-01-120820

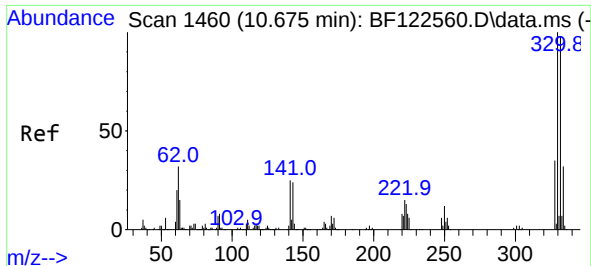
Tgt Ion: 82 Resp: 427430
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.6#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF122633.D
Acq: 10 Dec 2020 3:08

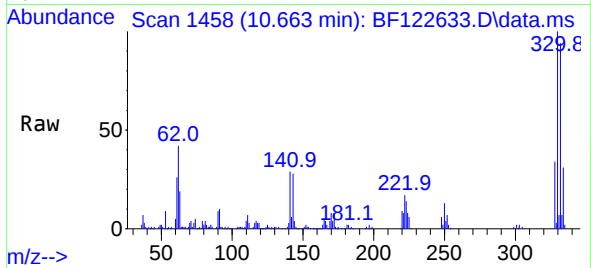
Tgt Ion: 164 Resp: 413791
Ion Ratio Lower Upper
164 100
162 101.7 80.8 121.2
160 44.6 35.4 53.0



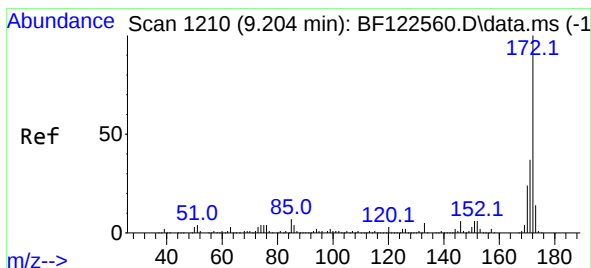
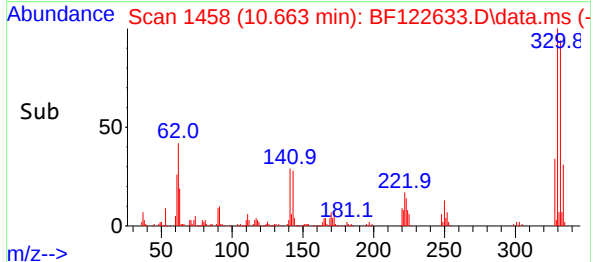
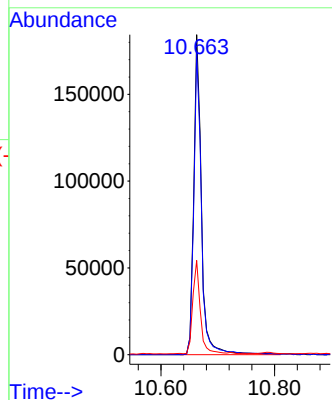


#42
2,4,6-Tribromophenol
Concen: 32.07 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.012 min
Lab File: BF122633.D
Acq: 10 Dec 2020 3:08

Instrument :
BNA_F
ClientSampleId :
SU-01-120820

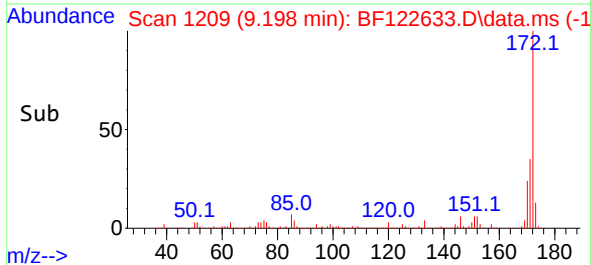
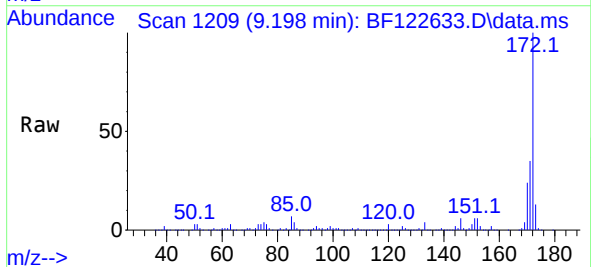
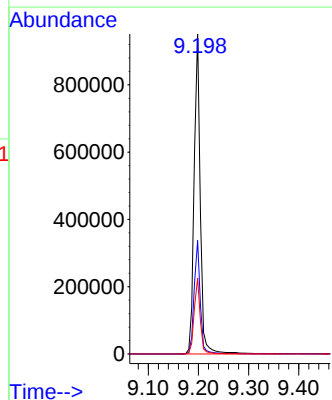


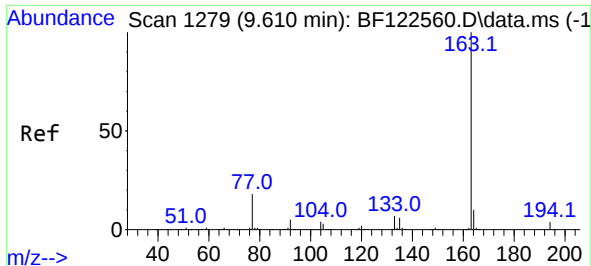
Tgt Ion: 330 Resp: 173687
Ion Ratio Lower Upper
330 100
332 94.9 77.5 116.3
141 28.5 23.8 35.8



#45
2-Fluorobiphenyl
Concen: 26.66 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF122633.D
Acq: 10 Dec 2020 3:08

Tgt Ion: 172 Resp: 815468
Ion Ratio Lower Upper
172 100
171 35.5 29.6 44.4
170 23.8 19.5 29.3

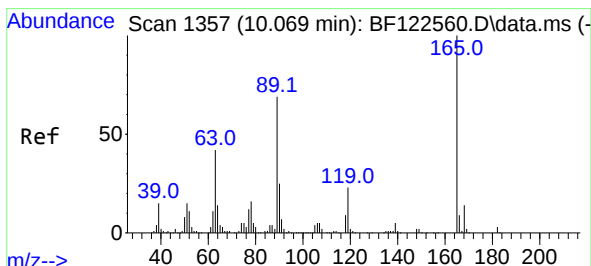
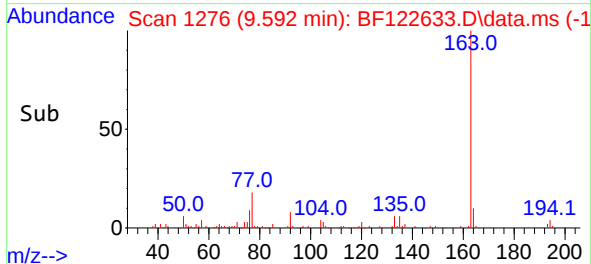
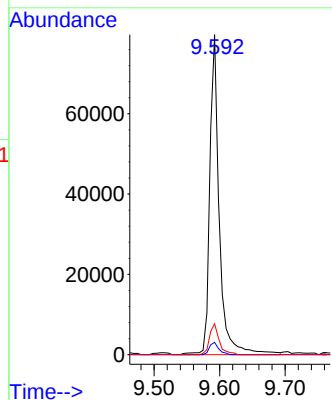
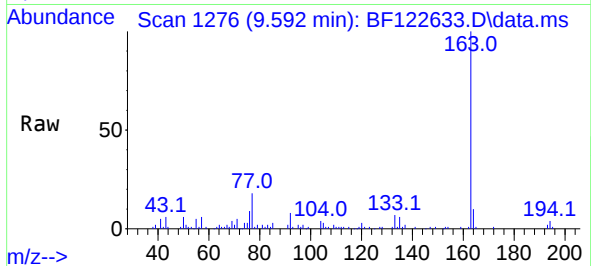




#50
Dimethylphthalate
Concen: 2.44 ng
RT: 9.592 min Scan# 1276
Delta R.T. -0.018 min
Lab File: BF122633.D
Acq: 10 Dec 2020 3:08

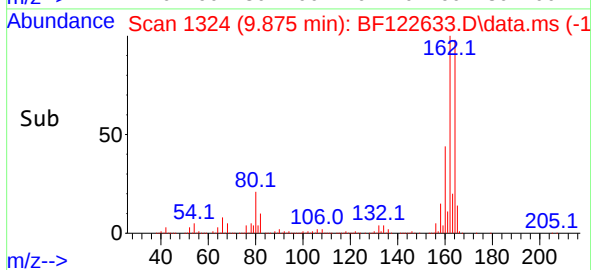
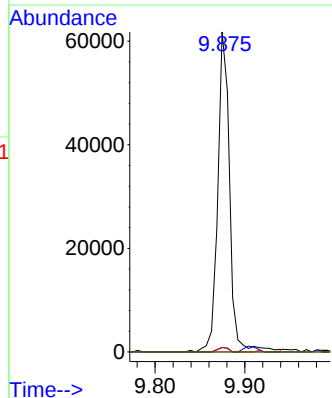
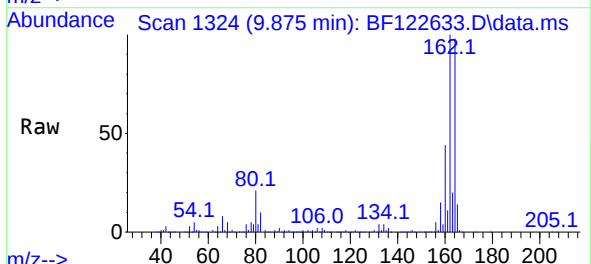
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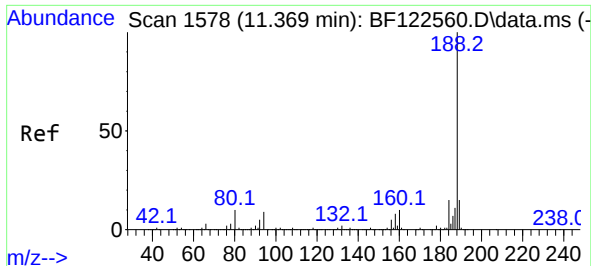
Tgt Ion:163 Resp: 80728
Ion Ratio Lower Upper
163 100
194 3.9 3.4 5.0
164 9.6 8.1 12.1



#57
2,4-Dinitrotoluene
Concen: 6.11 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.194 min
Lab File: BF122633.D
Acq: 10 Dec 2020 3:08

Tgt Ion:165 Resp: 56808
Ion Ratio Lower Upper
165 100
63 1.4 34.3 51.5#
89 1.4 55.2 82.8#
182 0.0 2.2 3.2#

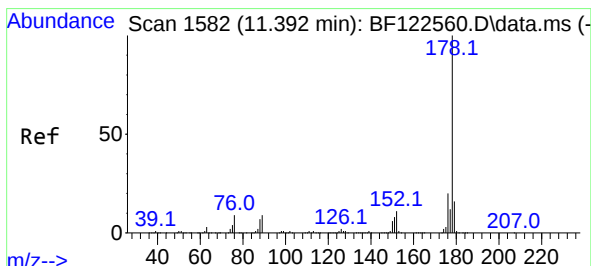
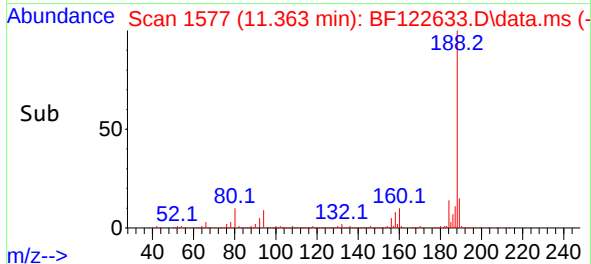
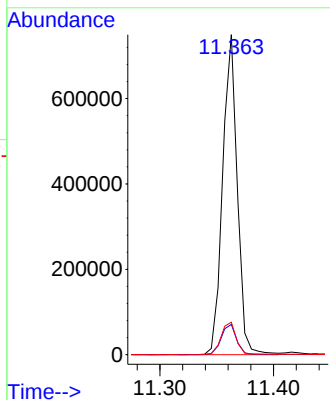
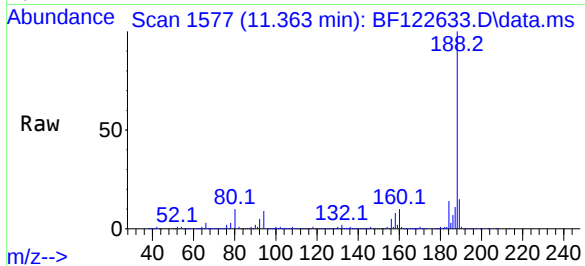




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF122633.D
Acq: 10 Dec 2020 3:08

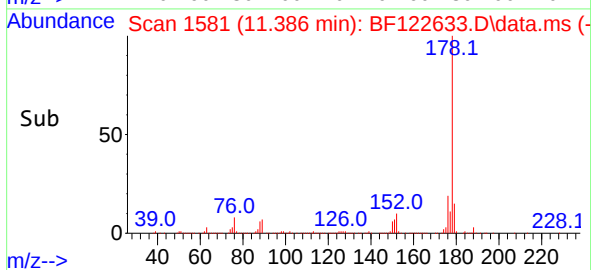
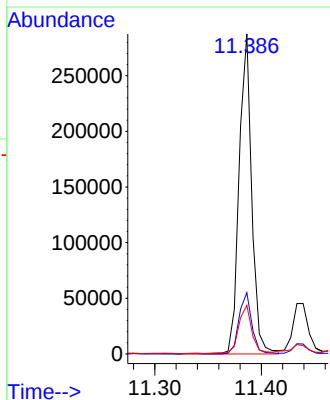
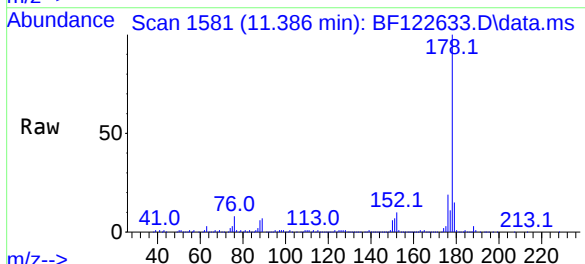
Instrument :
BNA_F
ClientSampleId :
SU-01-120820

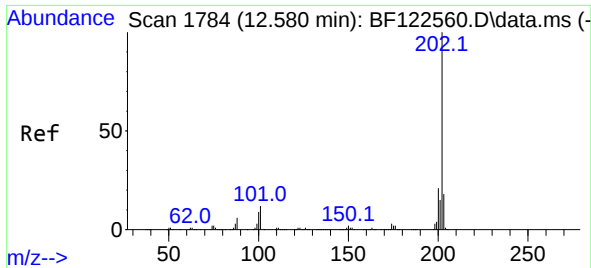
Tgt Ion:188 Resp: 673484
Ion Ratio Lower Upper
188 100
94 9.5 7.4 11.2
80 10.1 8.2 12.4



#71
Phenanthrene
Concen: 5.94 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF122633.D
Acq: 10 Dec 2020 3:08

Tgt Ion:178 Resp: 237658
Ion Ratio Lower Upper
178 100
176 19.2 16.2 24.2
179 15.2 12.7 19.1

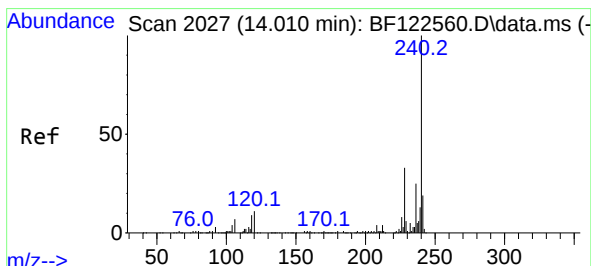
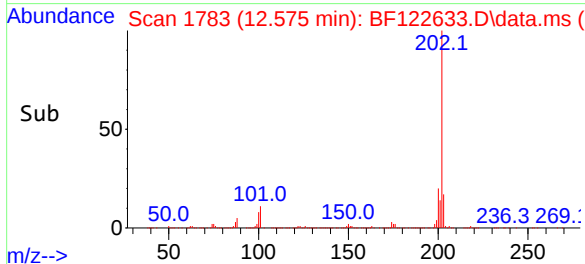
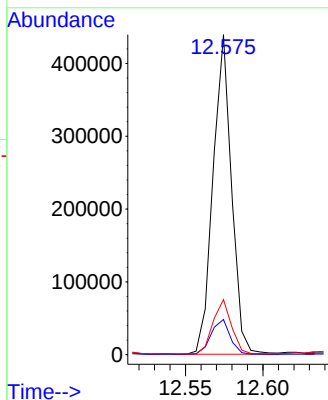
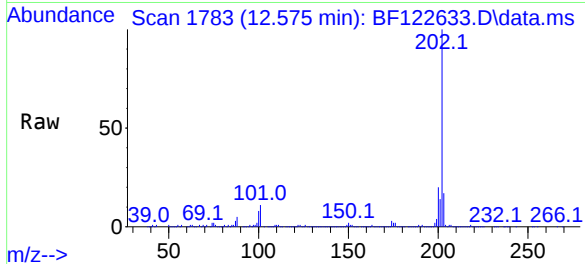




#75
Fluoranthene
Concen: 8.69 ng
RT: 12.575 min Scan# 1783
Delta R.T. -0.006 min
Lab File: BF122633.D
Acq: 10 Dec 2020 3:08

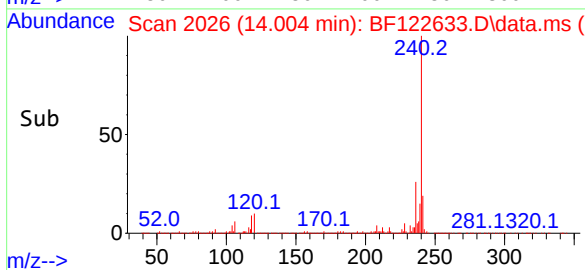
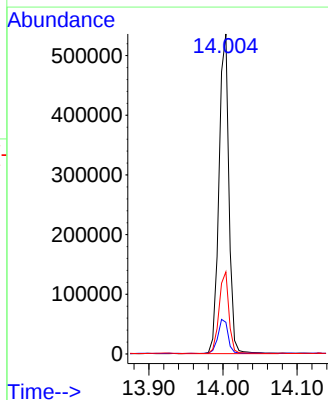
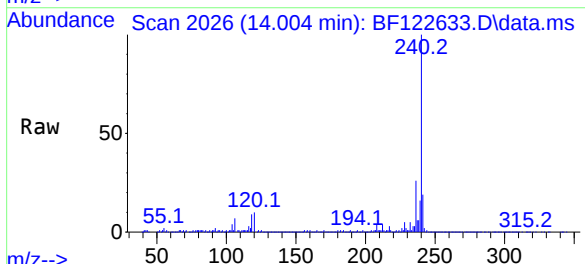
Instrument :
BNA_F
ClientSampleId :
SU-01-120820

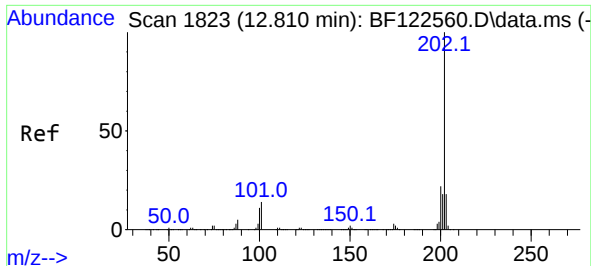
Tgt Ion:	202	Resp:	364773
Ion Ratio	Lower	Upper	
202	100		
101	11.0	0.0	32.2
203	17.2	0.0	38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF122633.D
Acq: 10 Dec 2020 3:08

Tgt Ion:	240	Resp:	498586
Ion Ratio	Lower	Upper	
240	100		
120	9.9	8.6	12.8
236	25.7	20.3	30.5

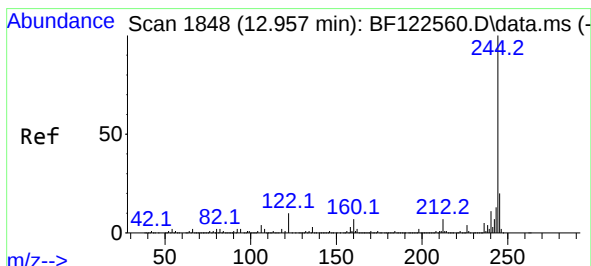
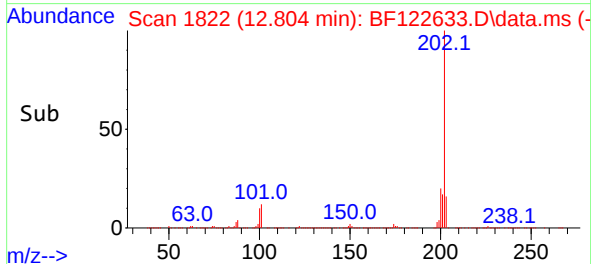
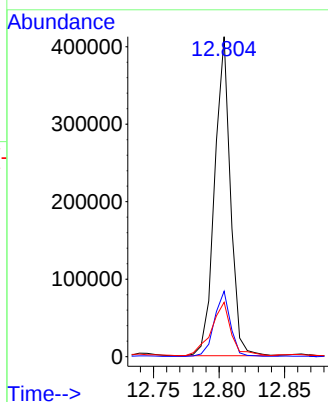
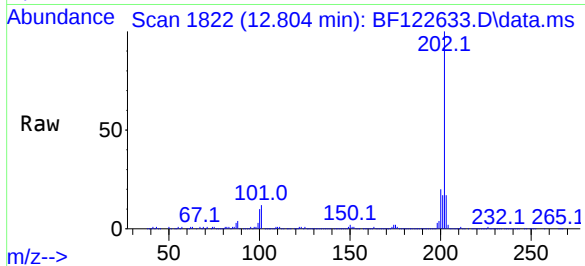




#78
Pyrene
Concen: 8.94 ng
RT: 12.804 min Scan# 1822
Delta R.T. -0.006 min
Lab File: BF122633.D
Acq: 10 Dec 2020 3:08

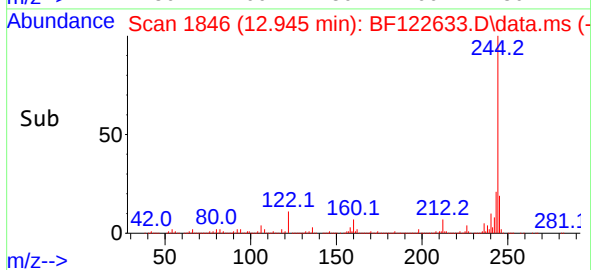
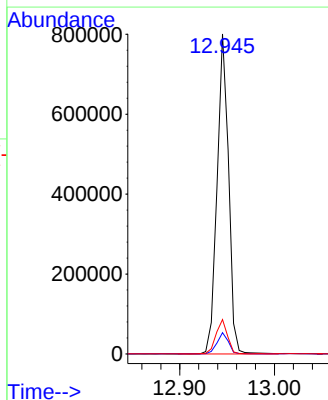
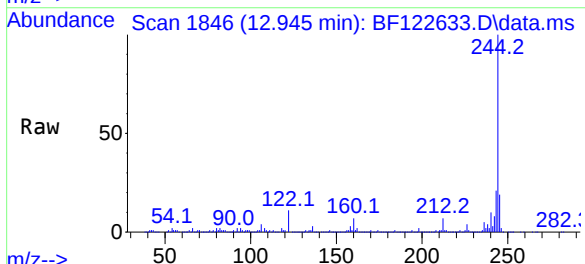
Instrument :
BNA_F
ClientSampleId :
SU-01-120820

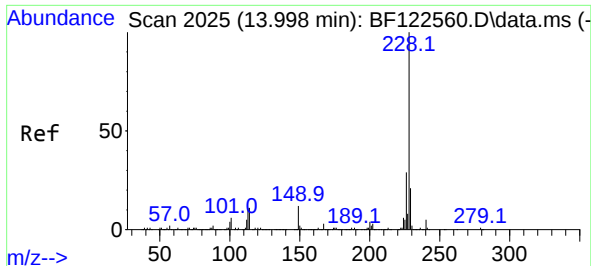
Tgt Ion:	202	Resp:	344563
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.6	26.4
203	17.0	14.6	21.8



#79
Terphenyl-d14
Concen: 23.67 ng
RT: 12.945 min Scan# 1846
Delta R.T. -0.012 min
Lab File: BF122633.D
Acq: 10 Dec 2020 3:08

Tgt Ion:	244	Resp:	674256
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.7	8.5
122	10.7	8.3	12.5

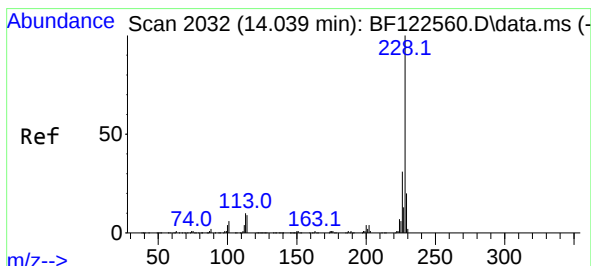
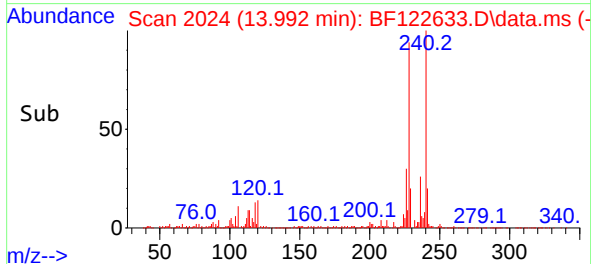
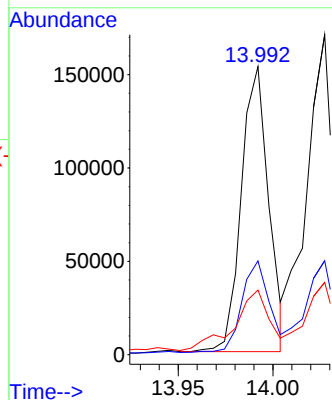
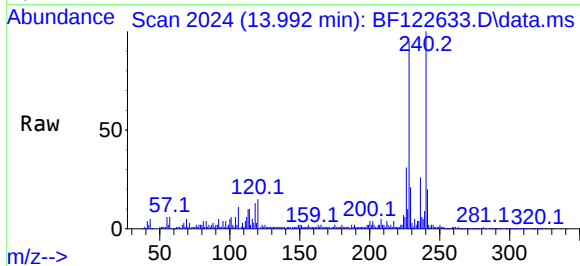




#81
Benzo(a)anthracene
Concen: 4.60 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF122633.D
Acq: 10 Dec 2020 3:08

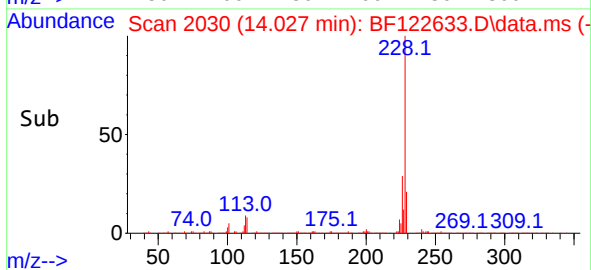
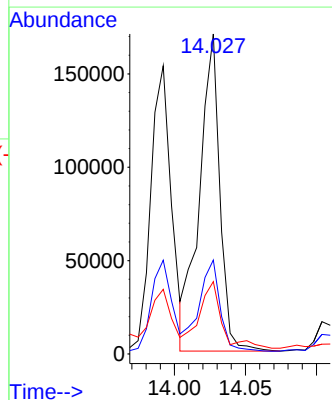
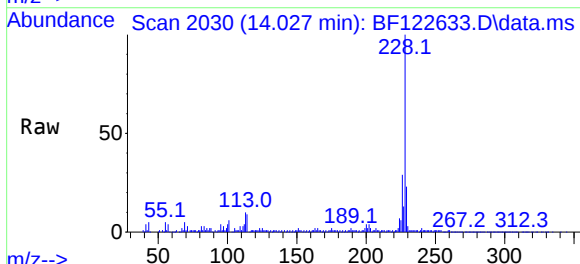
Instrument :
BNA_F
ClientSampleId :
SU-01-120820

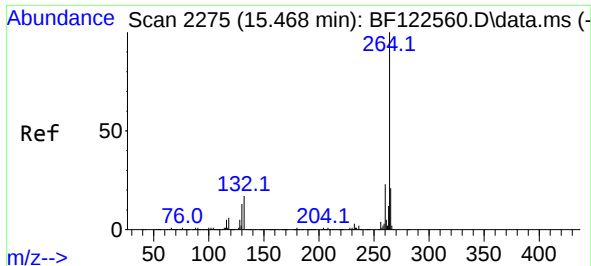
Tgt Ion:228 Resp: 153394
Ion Ratio Lower Upper
228 100
226 32.5 23.0 34.4
229 22.4 16.6 24.8



#83
Chrysene
Concen: 5.13 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF122633.D
Acq: 10 Dec 2020 3:08

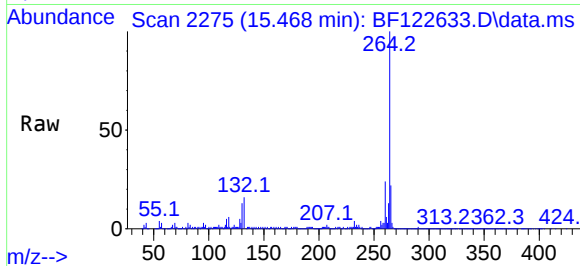
Tgt Ion:228 Resp: 170094
Ion Ratio Lower Upper
228 100
226 29.4 24.6 36.8
229 22.6 15.8 23.6



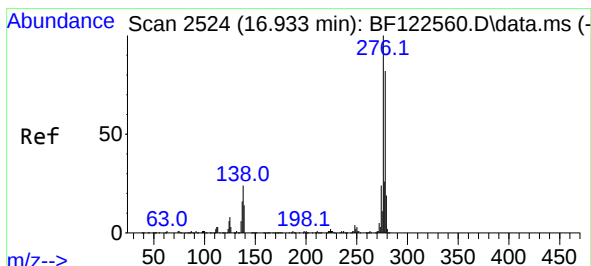
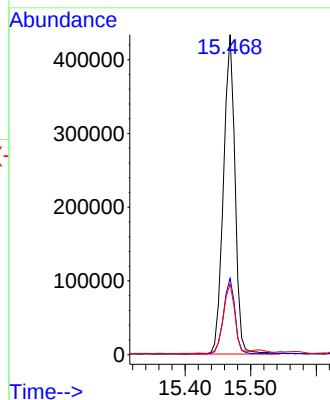
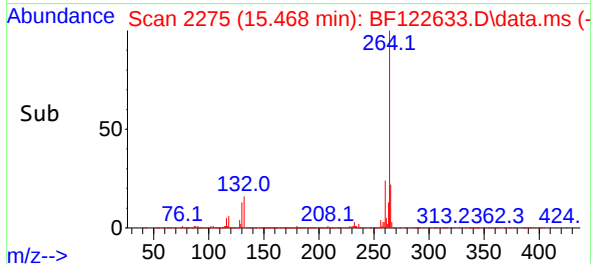


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.468 min Scan# 2275
Delta R.T. 0.000 min
Lab File: BF122633.D
Acq: 10 Dec 2020 3:08

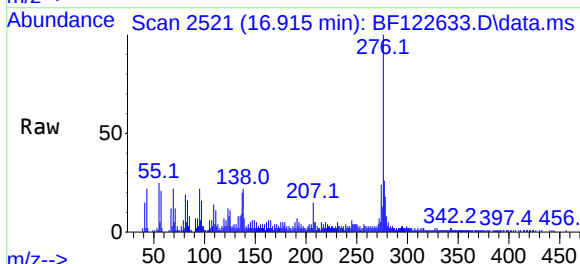
Instrument :
BNA_F
ClientSampleId :
SU-01-120820



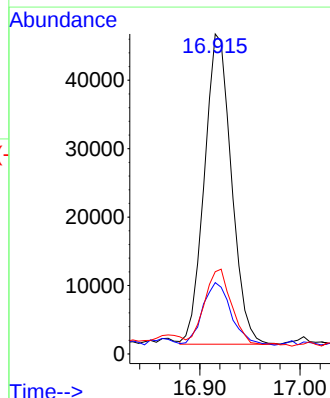
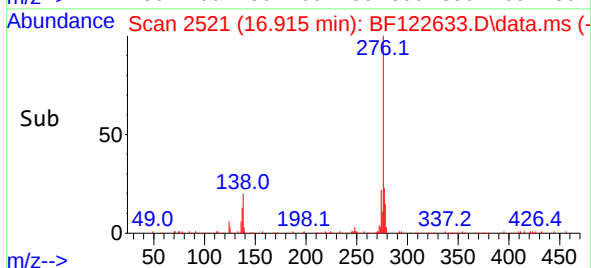
Tgt Ion:264 Resp: 529560
Ion Ratio Lower Upper
264 100
260 23.8 18.6 28.0
265 22.2 17.0 25.6

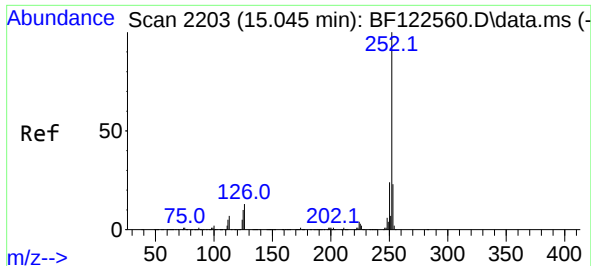


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.45 ng
RT: 16.915 min Scan# 2521
Delta R.T. -0.018 min
Lab File: BF122633.D
Acq: 10 Dec 2020 3:08



Tgt Ion:276 Resp: 85028
Ion Ratio Lower Upper
276 100
138 21.4 18.7 28.1
277 24.1 20.2 30.4

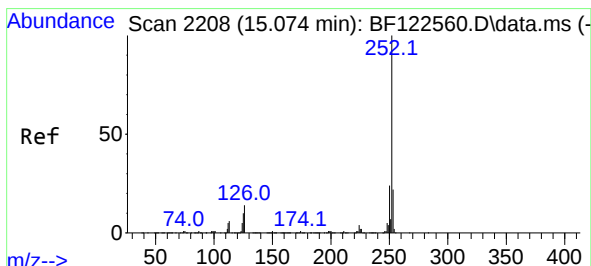
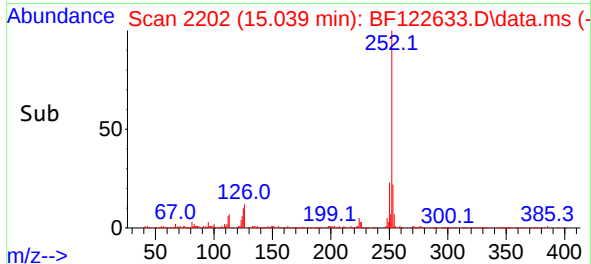
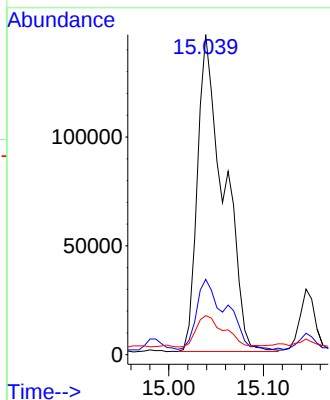
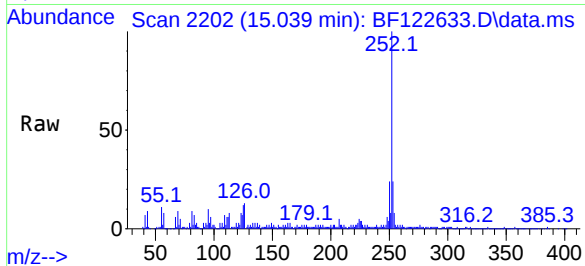




#88
Benzo(b)fluoranthene
Concen: 7.59 ng
RT: 15.039 min Scan# 2202
Delta R.T. -0.006 min
Lab File: BF122633.D
Acq: 10 Dec 2020 3:08

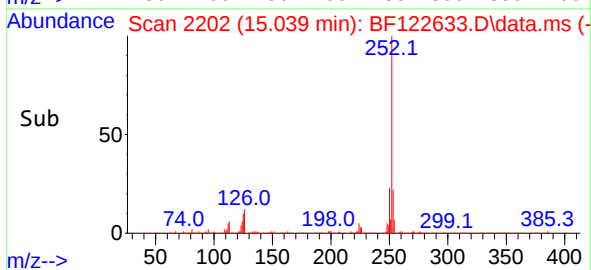
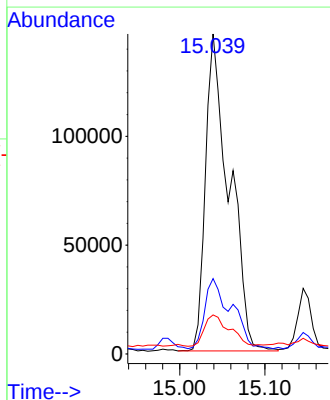
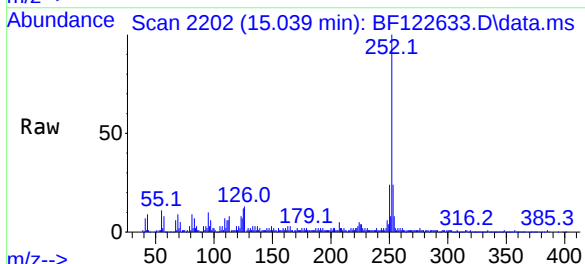
Instrument :
BNA_F
ClientSampleId :
SU-01-120820

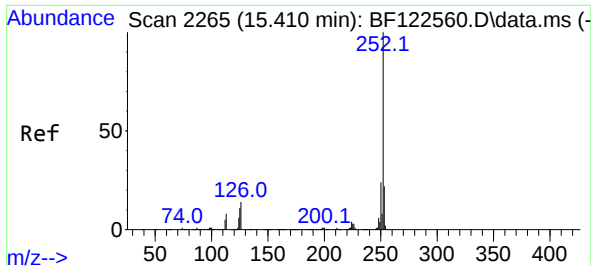
Tgt Ion:252 Resp: 282118
Ion Ratio Lower Upper
252 100
253 23.5 18.3 27.5
125 12.2 8.1 12.1#



#89
Benzo(k)fluoranthene
Concen: 8.32 ng
RT: 15.039 min Scan# 2202
Delta R.T. -0.035 min
Lab File: BF122633.D
Acq: 10 Dec 2020 3:08

Tgt Ion:252 Resp: 282512
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 12.2 8.4 12.6

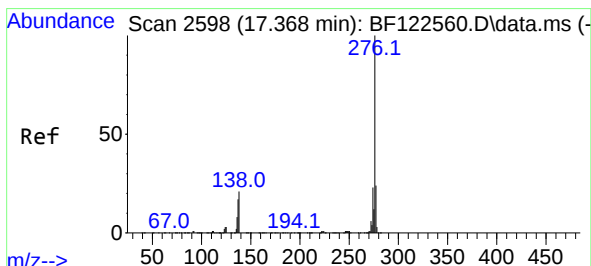
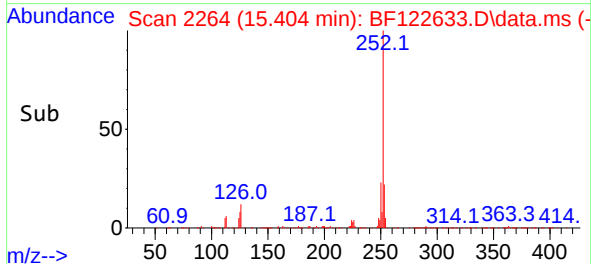
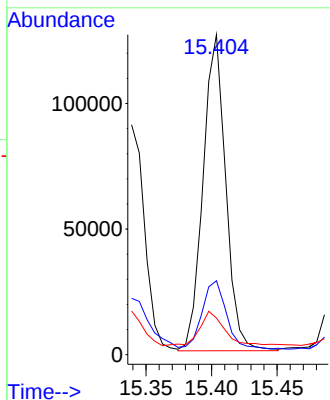
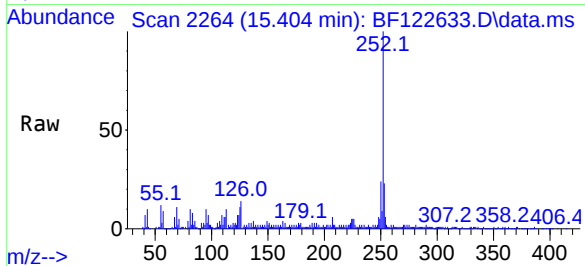




#90
Benzo(a)pyrene
Concen: 4.67 ng
RT: 15.404 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF122633.D
Acq: 10 Dec 2020 3:08

Instrument :
BNA_F
ClientSampleId :
SU-01-120820

Tgt Ion:252	Resp:	151793
Ion Ratio	Lower	Upper
252	100	
253	23.1	17.5 26.3
125	11.5	8.6 12.8



#92
Benzo(g,h,i)perylene
Concen: 3.09 ng
RT: 17.357 min Scan# 2596
Delta R.T. -0.012 min
Lab File: BF122633.D
Acq: 10 Dec 2020 3:08

Tgt Ion:276	Resp:	85178
Ion Ratio	Lower	Upper
276	100	
277	25.7	19.3 28.9
138	21.1	16.6 24.8

