

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021721\
 Data File : BF123218.D
 Acq On : 17 Feb 2021 18:19
 Operator : JU/CG
 Sample : M1425-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SLUDGE-COMP

Quant Time: Feb 18 06:37:10 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 12 16:59:49 2021
 Response via : Initial Calibration

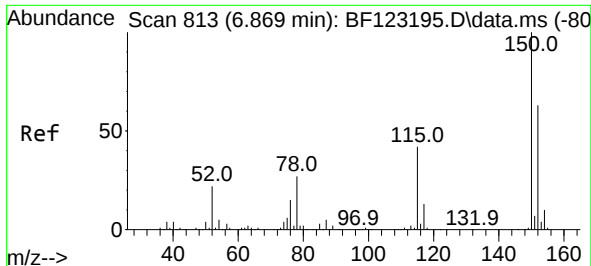
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	157011	20.00	ng	0.00
21) Naphthalene-d8	8.151	136	645529	20.00	ng	0.00
39) Acenaphthene-d10	9.916	164	287821	20.00	ng	0.00
64) Phenanthrene-d10	11.404	188	455894	20.00	ng	0.00
76) Chrysene-d12	14.074	240	298266	20.00	ng	# 0.02
86) Perylene-d12	15.562	264	333802	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	1024123	98.87	ng	0.00
7) Phenol-d6	6.498	99	974673	71.25	ng	0.00
23) Nitrobenzene-d5	7.428	82	601215	48.94	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	240039	77.22	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1010332	52.46	ng	0.00
79) Terphenyl-d14	13.004	244	732529	49.22	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.416	77	30723	3.83	ng	98
10) Phenol	6.504	94	36838	2.45	ng	88
15) Benzyl Alcohol	7.004	79	126201	12.72	ng	96
17) 2-Methylphenol	7.004	107	69047	7.41	ng	# 14
20) 3+4-Methylphenols	7.269	107	39285	3.32	ng	# 62
25) Isophorone	7.428	82	597130	26.17	ng	# 65
35) Caprolactam	8.586	113	15285	4.62	ng	# 1
36) 4-Chloro-3-methylphenol	8.722	107	39947	3.63	ng	# 19
50) Dimethylphthalate	9.622	163	48053	2.30	ng	# 98
57) 2,4-Dinitrotoluene	9.910	165	41154	6.07	ng	# 29
70) Pentachlorophenol	11.216	266	15805	4.78	ng	97
71) Phenanthrene	11.427	178	95769	3.57	ng	96
72) Anthracene	11.427	178	95769	3.57	ng	97
74) Di-n-butylphthalate	11.968	149	115559	4.20	ng	# 96
75) Fluoranthene	12.627	202	109337	4.05	ng	92
77) Benzidine	12.604	184	275836	26.10	ng	# 90
78) Pyrene	12.857	202	116604	5.29	ng	95
83) Chrysene	14.098	228	46330	2.34	ng	# 90
84) Bis(2-ethylhexyl)phtha...	14.051	149	732747	57.90	ng	99
85) Di-n-octyl phthalate	14.662	149	86083	3.95	ng	# 1
88) Benzo(b)fluoranthene	15.127	252	62367	2.66	ng	# 1
89) Benzo(k)fluoranthene	15.127	252	62367	2.89	ng	# 1

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

Quant Time: Feb 18 06:37:10 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 12 16:59:49 2021
Response via : Initial Calibration

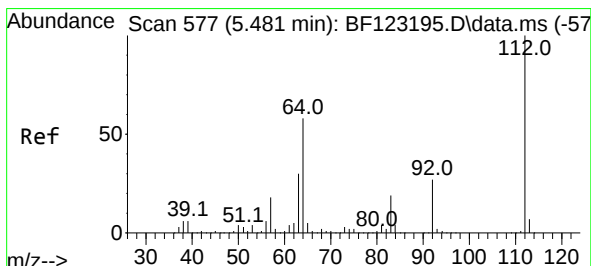
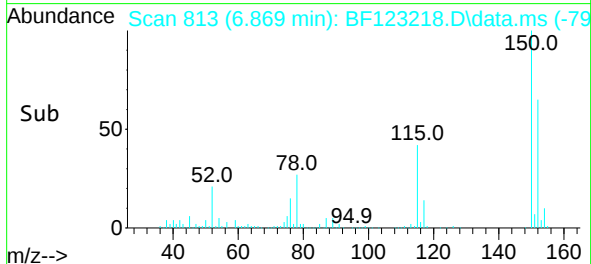
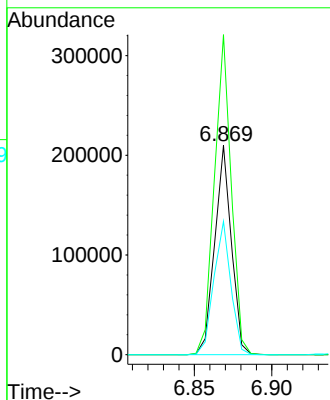
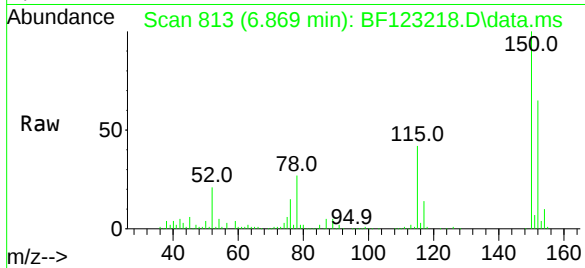




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF123218.D
Acq: 17 Feb 2021 18:19

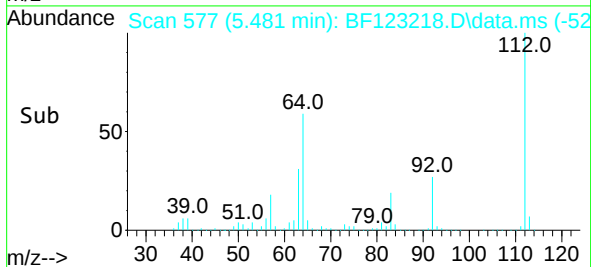
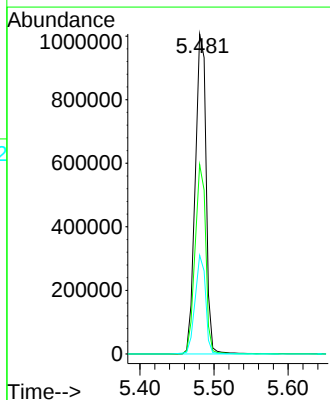
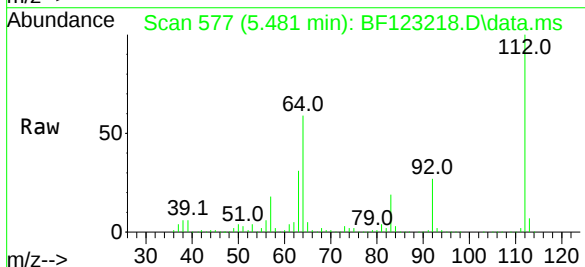
Instrument :
BNA_F
ClientSampleId :
SLUDGE-COMP

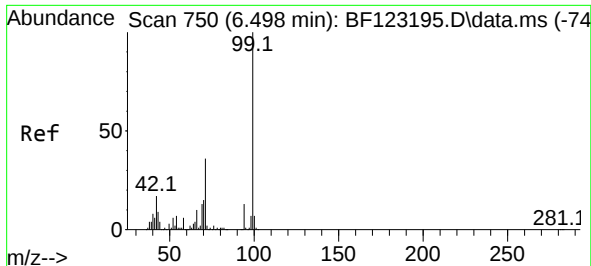
Tgt Ion:152 Resp: 157011
Ion Ratio Lower Upper
152 100
150 152.9 125.8 188.6
115 63.7 49.3 73.9



#5
2-Fluorophenol
Concen: 98.87 ng
RT: 5.481 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF123218.D
Acq: 17 Feb 2021 18:19

Tgt Ion:112 Resp: 1024123
Ion Ratio Lower Upper
112 100
64 59.2 46.9 70.3
63 30.8 24.5 36.7

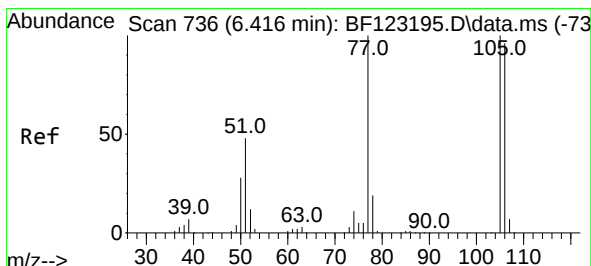
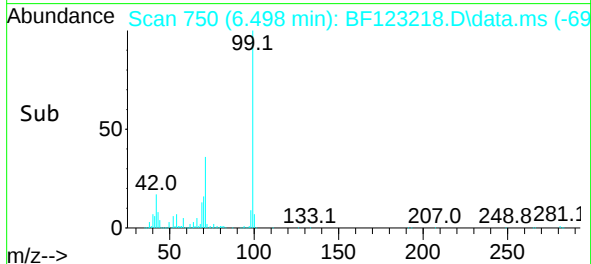
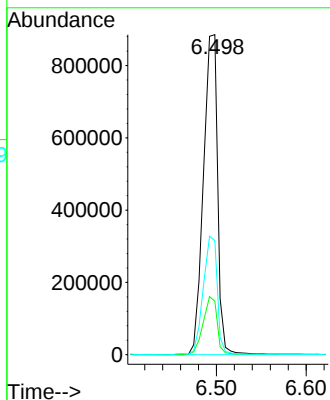
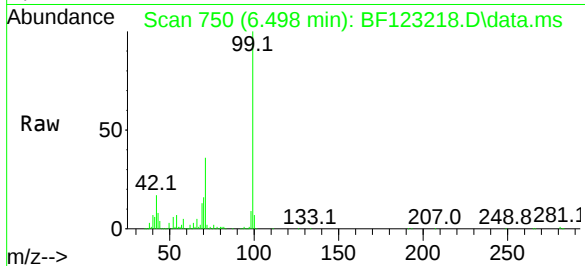




#7
Phenol-d6
Concen: 71.25 ng
RT: 6.498 min Scan# 750
Delta R.T. -0.000 min
Lab File: BF123218.D
Acq: 17 Feb 2021 18:19

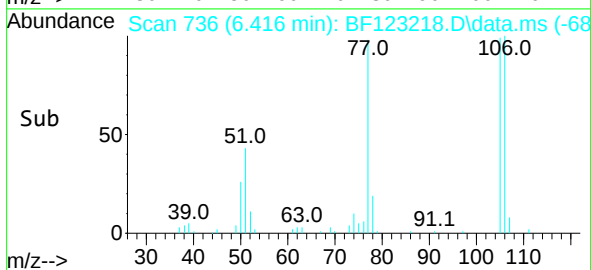
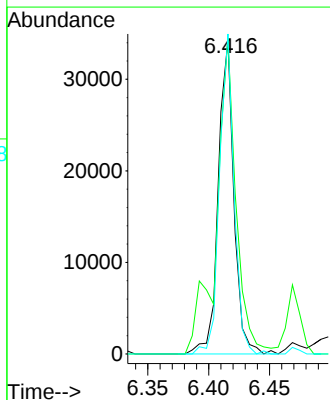
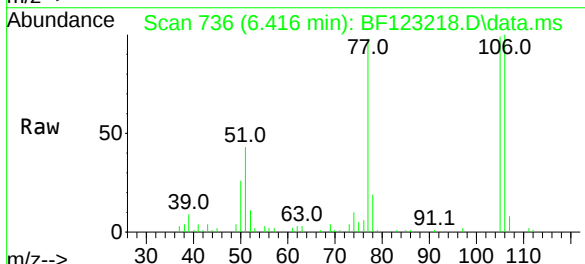
Instrument :
BNA_F
ClientSampleId :
SLUDGE-COMP

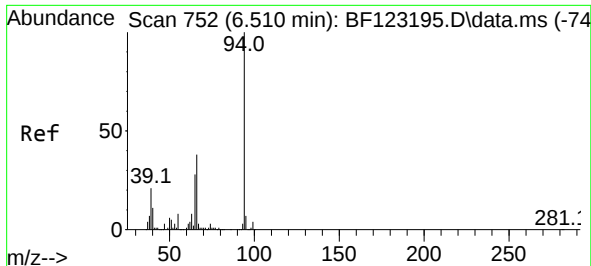
Tgt Ion: 99 Resp: 974673
Ion Ratio Lower Upper
99 100
42 16.7 13.8 20.6
71 35.7 26.9 40.3



#9
Benzaldehyde
Concen: 3.83 ng
RT: 6.416 min Scan# 736
Delta R.T. -0.000 min
Lab File: BF123218.D
Acq: 17 Feb 2021 18:19

Tgt Ion: 77 Resp: 30723
Ion Ratio Lower Upper
77 100
105 100.5 80.6 120.6
106 101.9 77.2 117.2

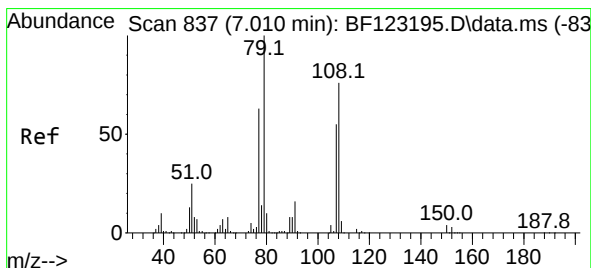
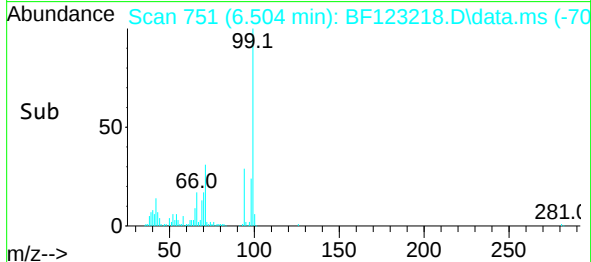
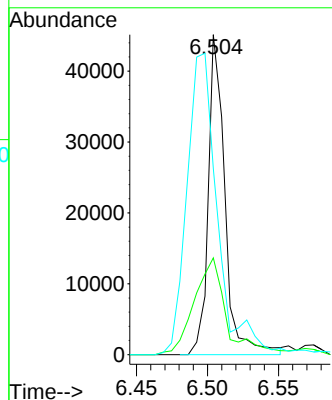
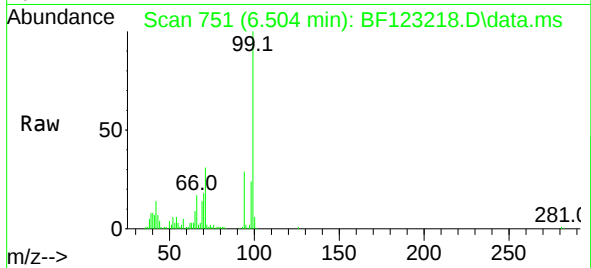




#10
Phenol
Concen: 2.45 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF123218.D
Acq: 17 Feb 2021 18:19

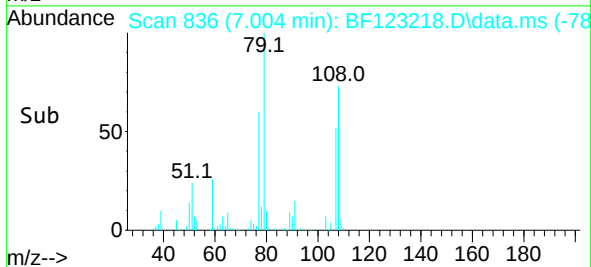
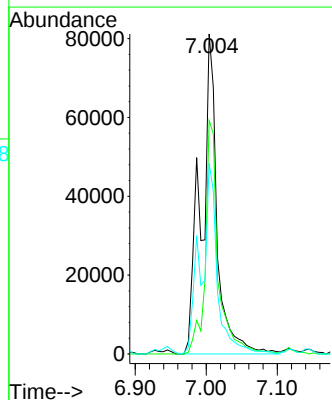
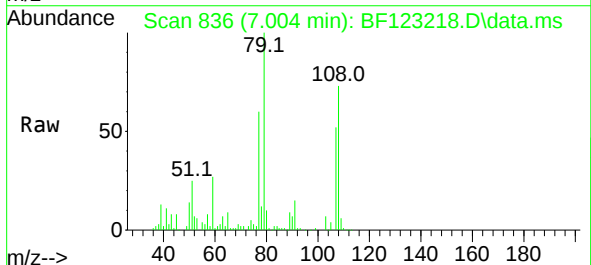
Instrument :
BNA_F
ClientSampleId :
SLUDGE-COMP

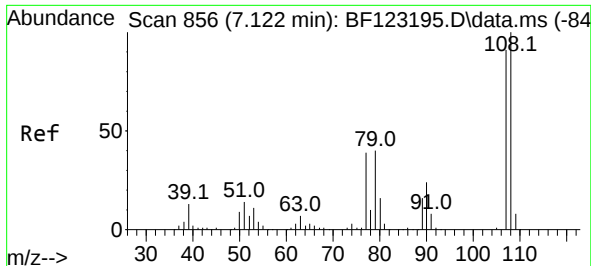
Tgt Ion: 94 Resp: 36838
Ion Ratio Lower Upper
94 100
65 30.2 11.2 51.2
66 58.1 25.8 65.8



#15
Benzyl Alcohol
Concen: 12.72 ng
RT: 7.004 min Scan# 836
Delta R.T. -0.006 min
Lab File: BF123218.D
Acq: 17 Feb 2021 18:19

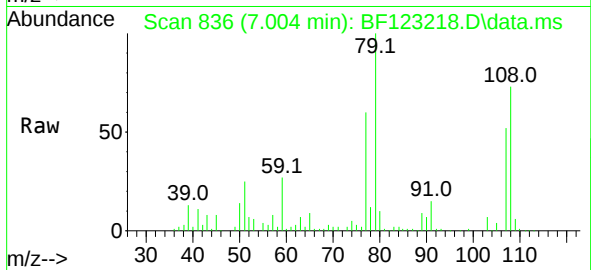
Tgt Ion: 79 Resp: 126201
Ion Ratio Lower Upper
79 100
108 72.9 62.4 93.6
77 59.6 49.0 73.6



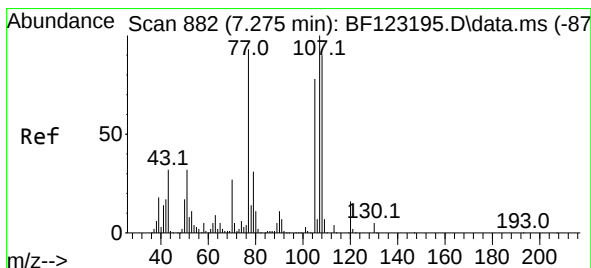
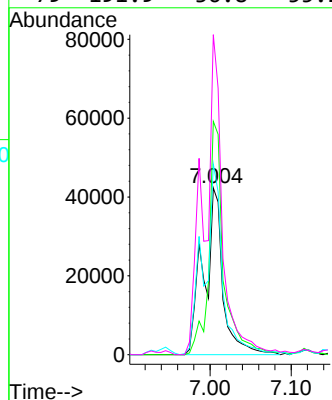
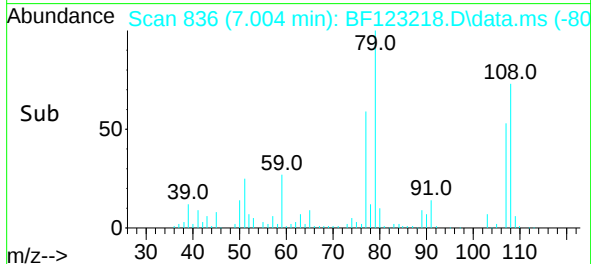


#17
2-Methylphenol
Concen: 7.41 ng
RT: 7.004 min Scan# 836
Delta R.T. -0.118 min
Lab File: BF123218.D
Acq: 17 Feb 2021 18:19

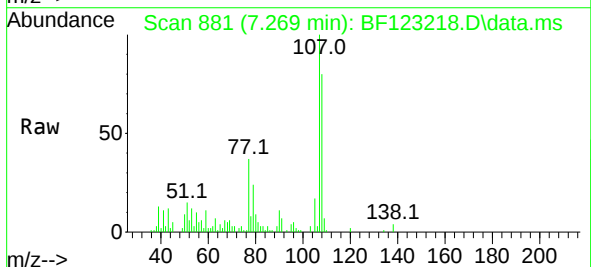
Instrument :
BNA_F
ClientSampleId :
SLUDGE-COMP



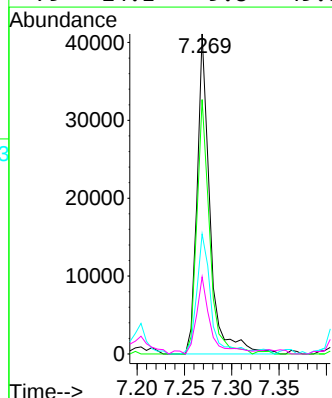
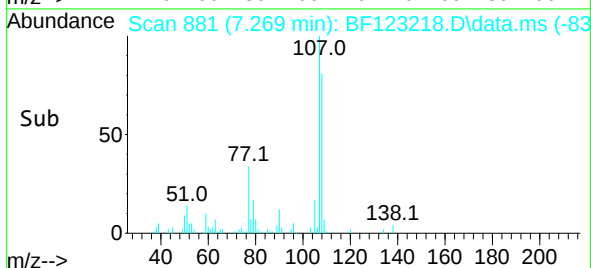
Tgt Ion:	107	Resp:	69047
Ion	Ratio	Lower	Upper
107	100		
108	139.8	91.1	136.7#
77	114.3	36.3	54.5#
79	191.9	36.8	55.2#

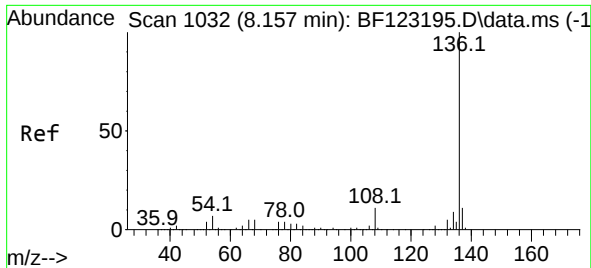


#20
3+4-Methylphenols
Concen: 3.32 ng
RT: 7.269 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF123218.D
Acq: 17 Feb 2021 18:19



Tgt Ion:	107	Resp:	39285
Ion	Ratio	Lower	Upper
107	100		
108	79.5	68.7	108.7
77	37.5	89.8	129.8#
79	24.1	9.8	49.8

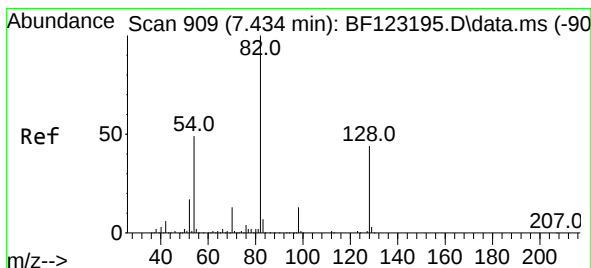
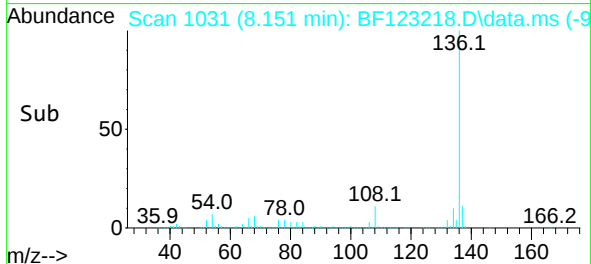
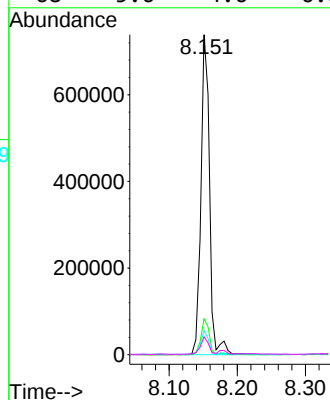
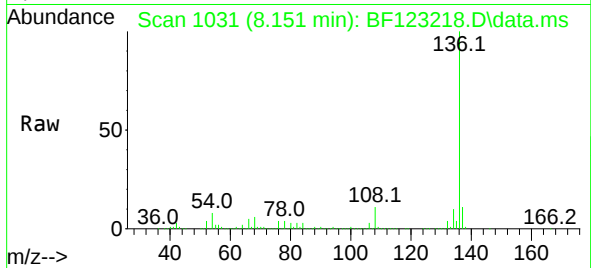




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF123218.D
Acq: 17 Feb 2021 18:19

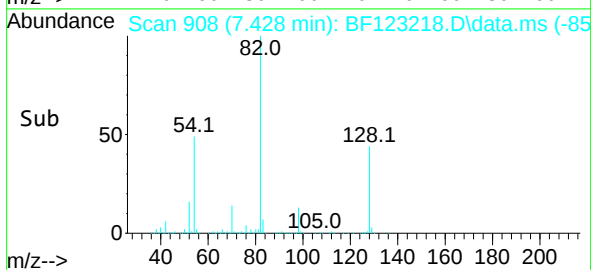
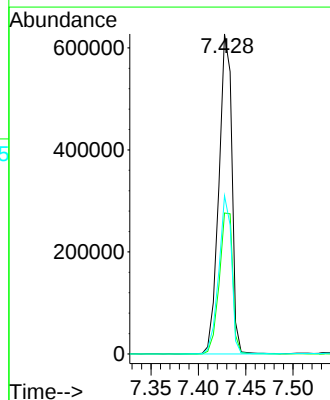
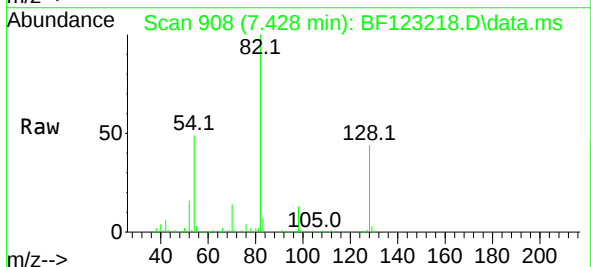
Instrument :
BNA_F
ClientSampleId :
SLUDGE-COMP

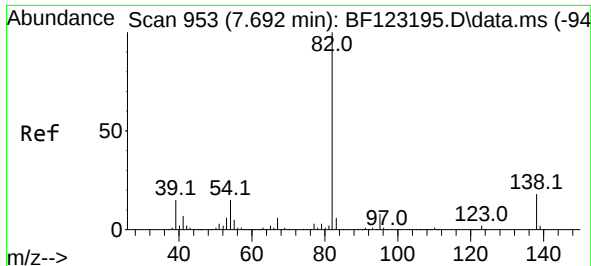
Tgt Ion:	136	Resp:	645529
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	7.5	5.5	8.3
68	5.6	4.6	6.8



#23
Nitrobenzene-d5
Concen: 48.94 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF123218.D
Acq: 17 Feb 2021 18:19

Tgt Ion:	82	Resp:	601215
Ion	Ratio	Lower	Upper
82	100		
128	44.1	37.0	55.4
54	49.4	38.4	57.6

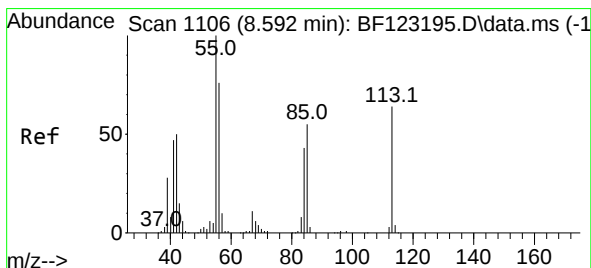
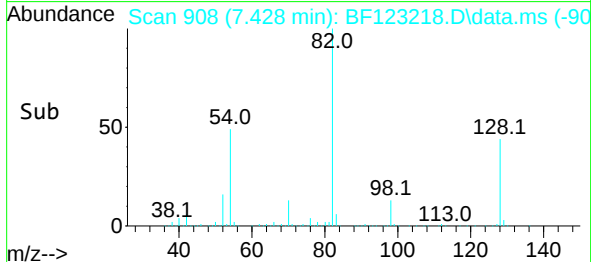
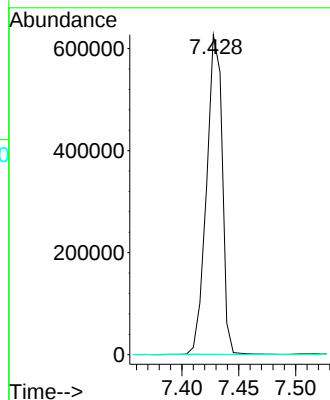
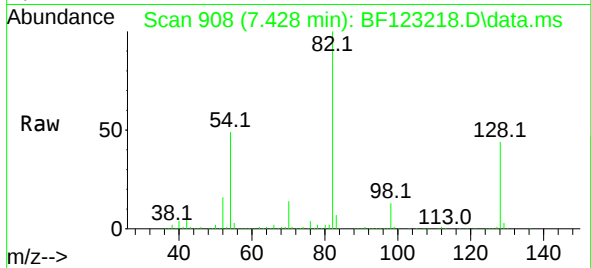




#25
Isophorone
Concen: 26.17 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.265 min
Lab File: BF123218.D
Acq: 17 Feb 2021 18:19

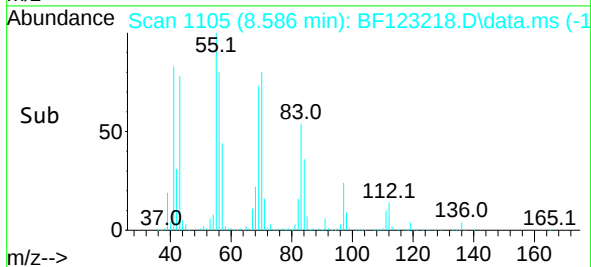
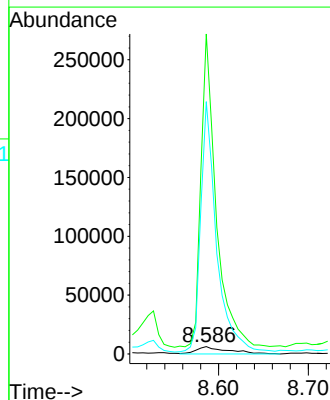
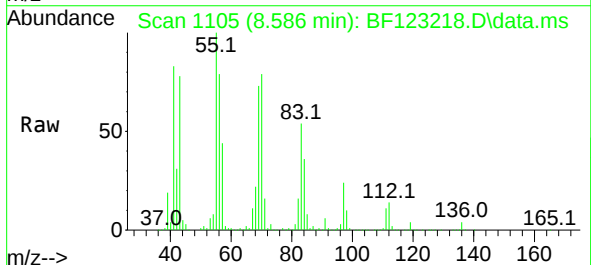
Instrument :
BNA_F
ClientSampleId :
SLUDGE-COMP

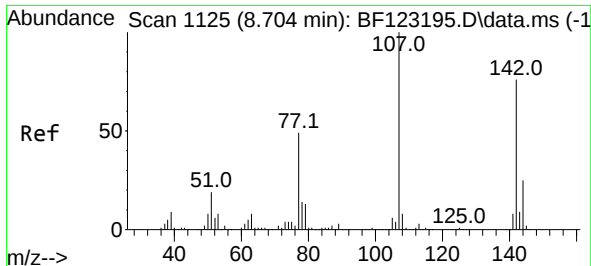
Tgt Ion: 82 Resp: 597130
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.6#
138 0.0 14.6 21.8#



#35
Caprolactam
Concen: 4.62 ng
RT: 8.586 min Scan# 1105
Delta R.T. -0.006 min
Lab File: BF123218.D
Acq: 17 Feb 2021 18:19

Tgt Ion: 113 Resp: 15285
Ion Ratio Lower Upper
113 100
55 4336.4 133.7 173.7#
56 3419.9 95.3 135.3#

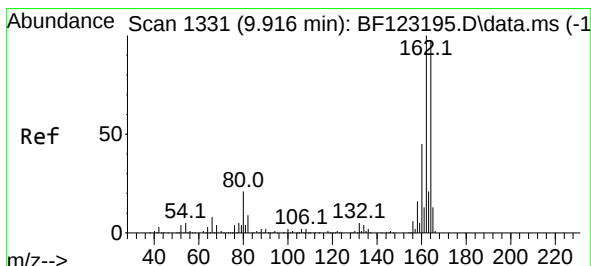
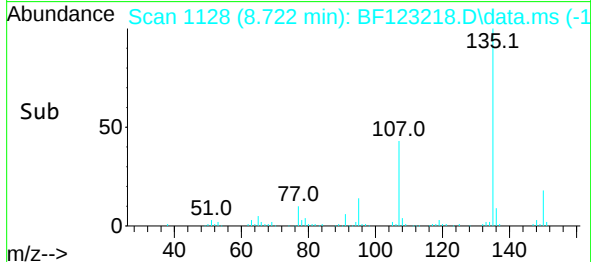
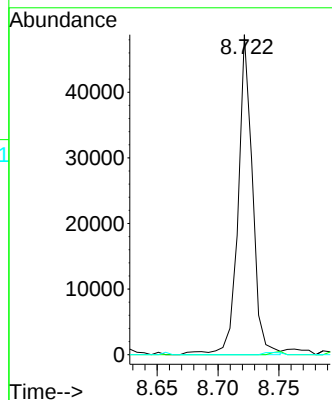
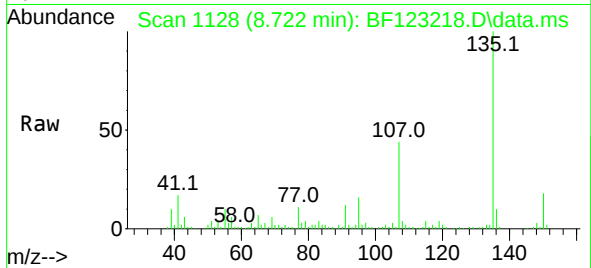




#36
4-Chloro-3-methylphenol
Concen: 3.63 ng
RT: 8.722 min Scan# 1128
Delta R.T. 0.018 min
Lab File: BF123218.D
Acq: 17 Feb 2021 18:19

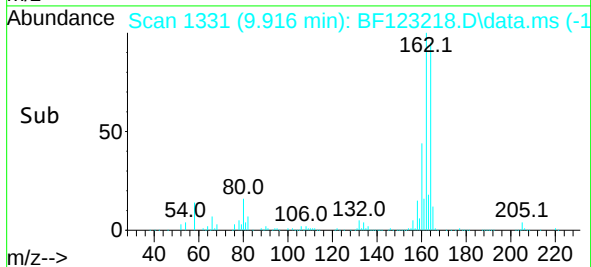
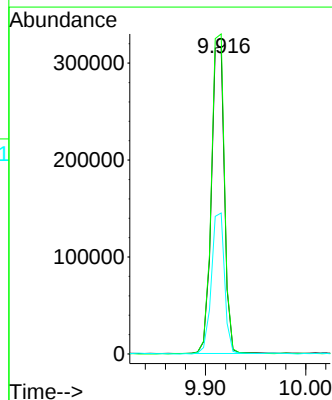
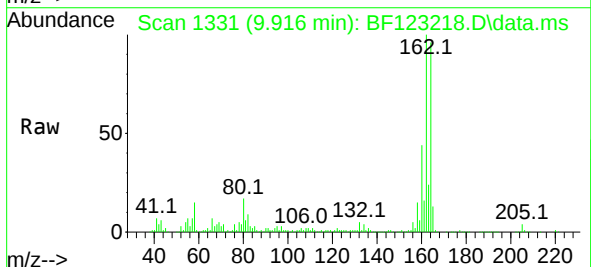
Instrument :
BNA_F
ClientSampleId :
SLUDGE-COMP

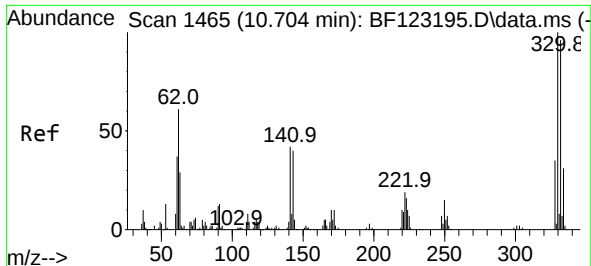
Tgt Ion:107 Resp: 39947
Ion Ratio Lower Upper
107 100
144 0.0 20.2 30.2#
142 0.0 64.4 96.6#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF123218.D
Acq: 17 Feb 2021 18:19

Tgt Ion:164 Resp: 287821
Ion Ratio Lower Upper
164 100
162 104.3 80.8 121.2
160 46.0 35.4 53.0

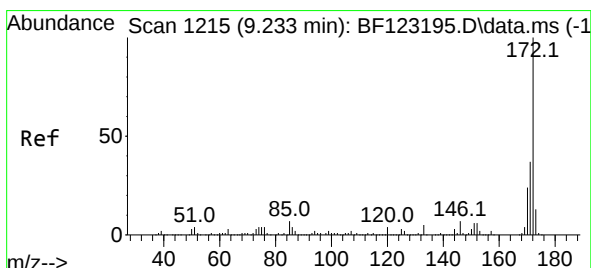
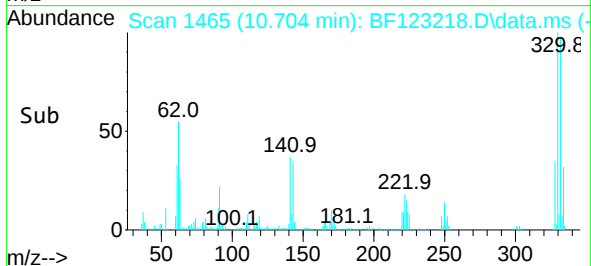
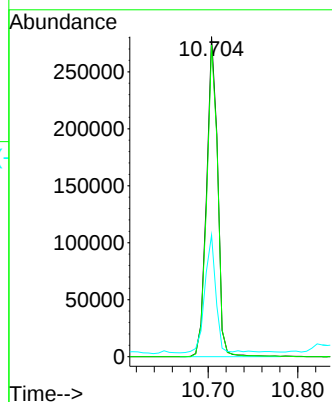
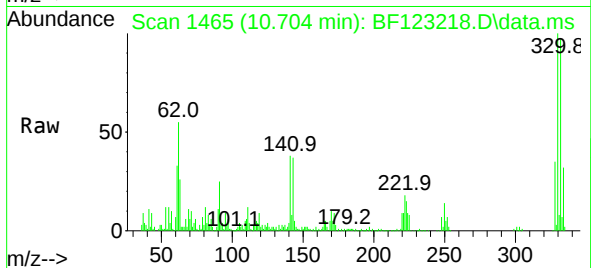




#42
2,4,6-Tribromophenol
Concen: 77.22 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.000 min
Lab File: BF123218.D
Acq: 17 Feb 2021 18:19

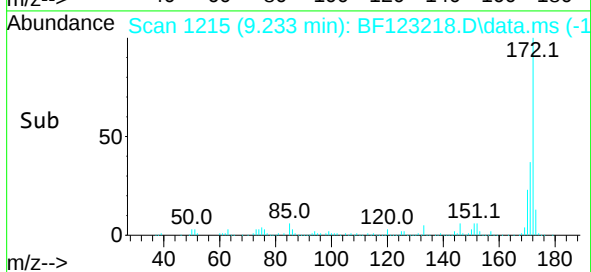
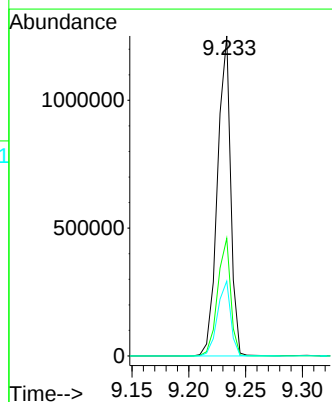
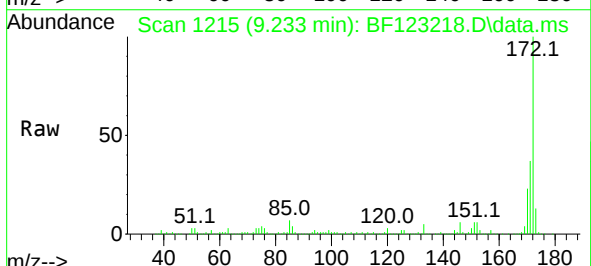
Instrument :
BNA_F
ClientSampleId :
SLUDGE-COMP

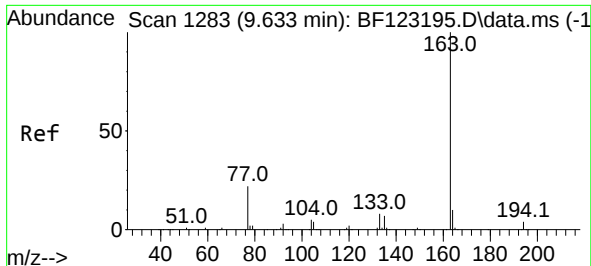
Tgt Ion: 330 Resp: 240039
Ion Ratio Lower Upper
330 100
332 97.3 77.5 116.3
141 36.1 23.8 35.8#



#45
2-Fluorobiphenyl
Concen: 52.46 ng
RT: 9.233 min Scan# 1215
Delta R.T. -0.000 min
Lab File: BF123218.D
Acq: 17 Feb 2021 18:19

Tgt Ion: 172 Resp: 1010332
Ion Ratio Lower Upper
172 100
171 36.7 29.6 44.4
170 23.4 19.5 29.3

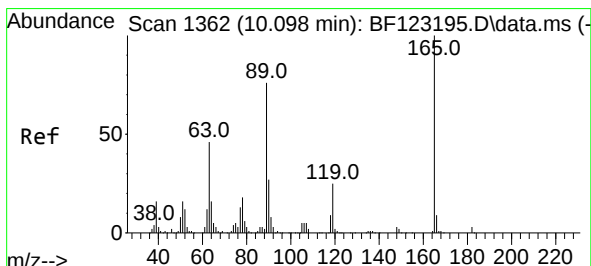
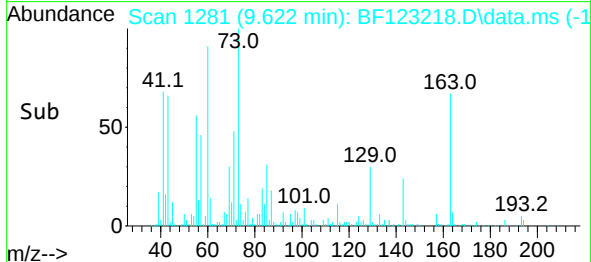
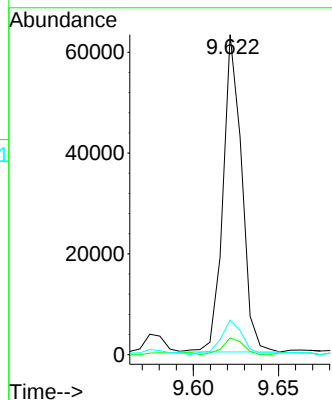
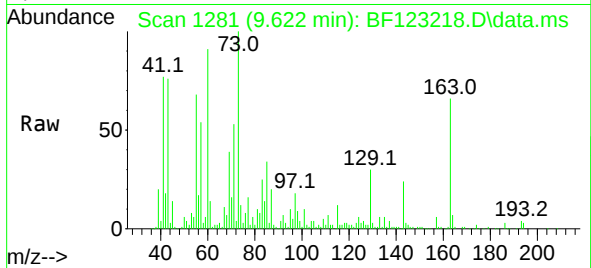




#50
Dimethylphthalate
Concen: 2.30 ng
RT: 9.622 min Scan# 1281
Delta R.T. -0.012 min
Lab File: BF123218.D
Acq: 17 Feb 2021 18:19

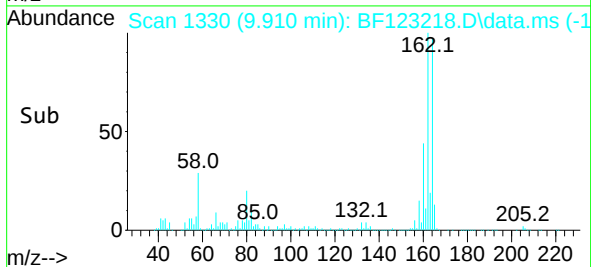
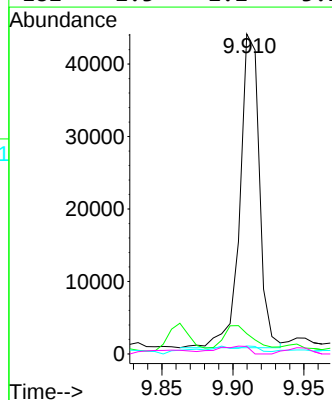
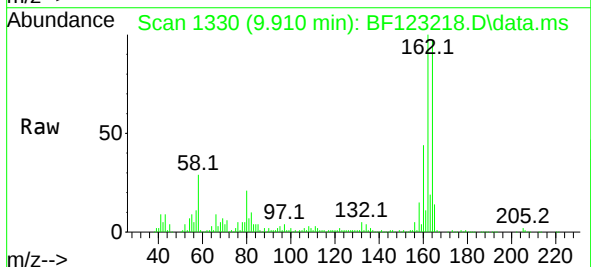
Instrument :
BNA_F
ClientSampleId :
SLUDGE-COMP

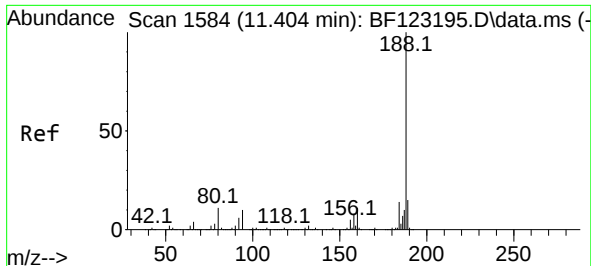
Tgt Ion:163 Resp: 48053
Ion Ratio Lower Upper
163 100
194 5.3 3.4 5.0#
164 10.8 8.1 12.1



#57
2,4-Dinitrotoluene
Concen: 6.07 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.188 min
Lab File: BF123218.D
Acq: 17 Feb 2021 18:19

Tgt Ion:165 Resp: 41154
Ion Ratio Lower Upper
165 100
63 6.3 34.3 51.5#
89 2.5 55.2 82.8#
182 2.3 2.2 3.2

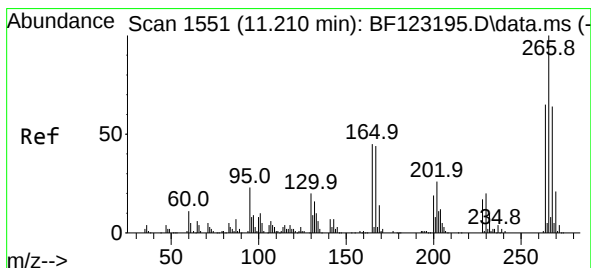
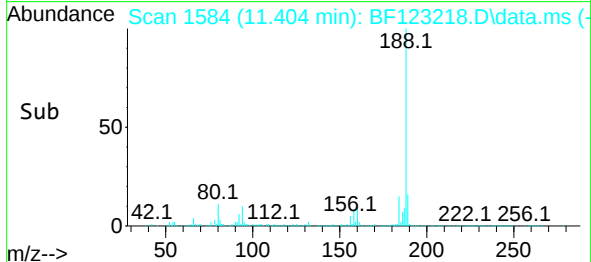
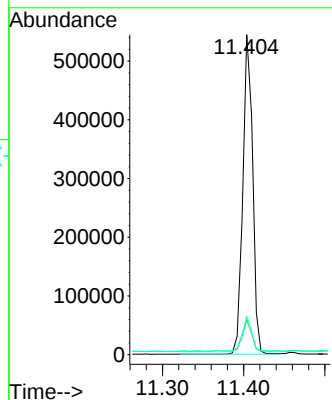
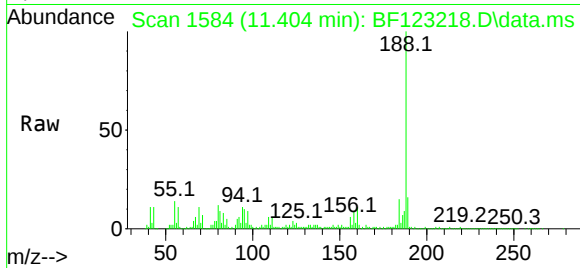




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF123218.D
Acq: 17 Feb 2021 18:19

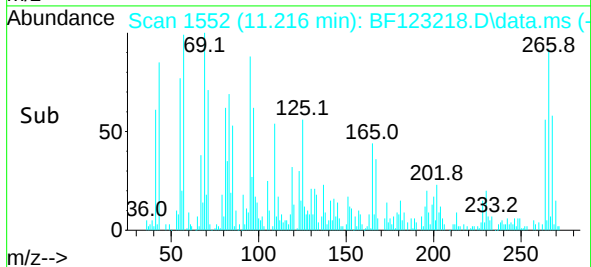
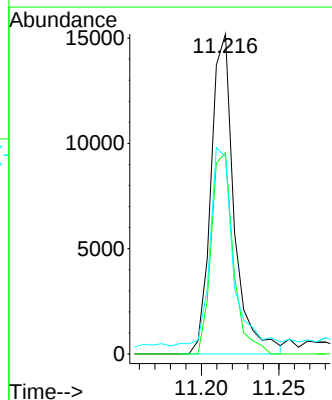
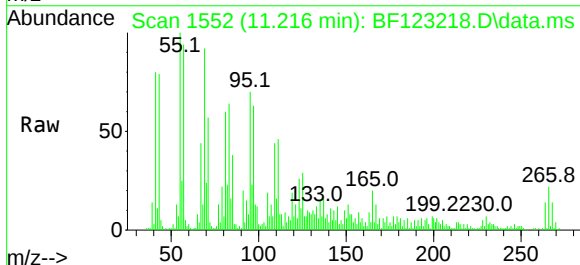
Instrument :
BNA_F
ClientSampleId :
SLUDGE-COMP

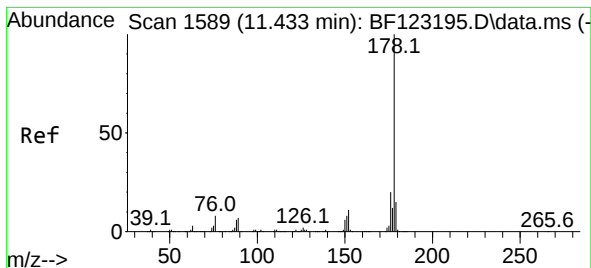
Tgt Ion:188 Resp: 455894
Ion Ratio Lower Upper
188 100
94 10.8 7.4 11.2
80 11.8 8.2 12.4



#70
Pentachlorophenol
Concen: 4.78 ng
RT: 11.216 min Scan# 1552
Delta R.T. 0.006 min
Lab File: BF123218.D
Acq: 17 Feb 2021 18:19

Tgt Ion:266 Resp: 15805
Ion Ratio Lower Upper
266 100
268 62.9 50.5 75.7
264 67.0 49.8 74.8

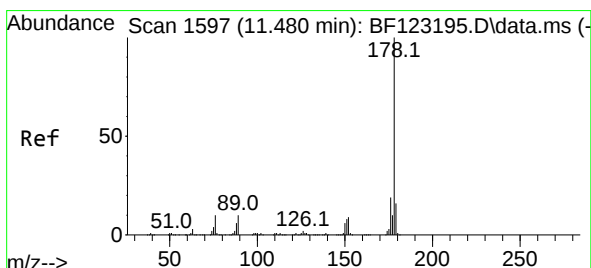
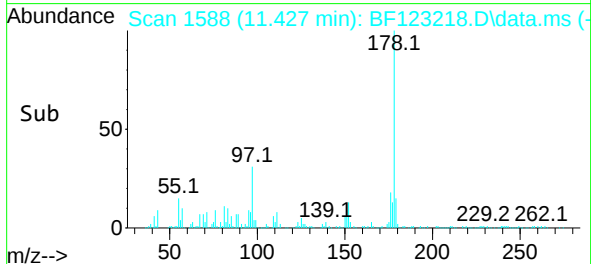
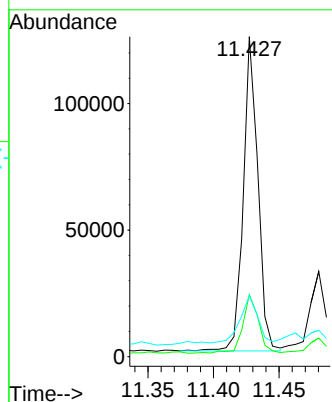
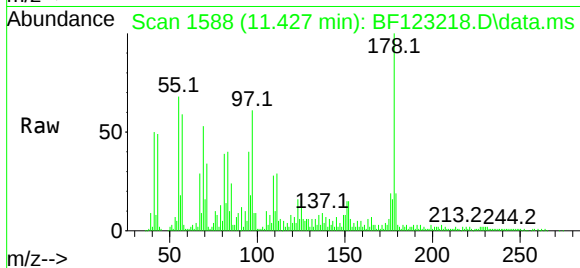




#71
Phenanthrene
Concen: 3.57 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF123218.D
Acq: 17 Feb 2021 18:19

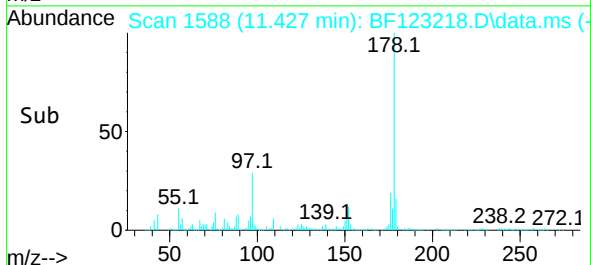
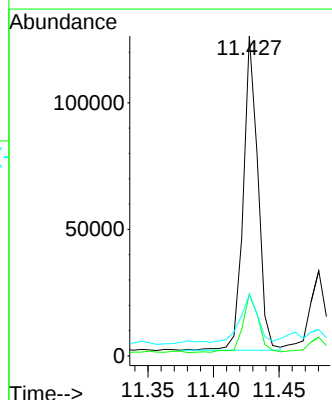
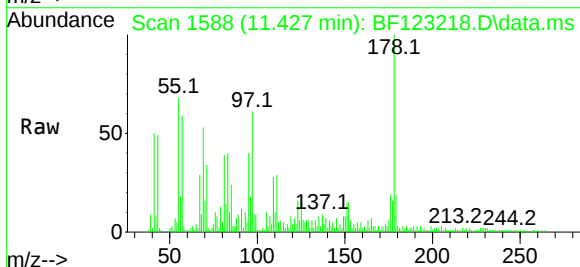
Instrument :
BNA_F
ClientSampleId :
SLUDGE-COMP

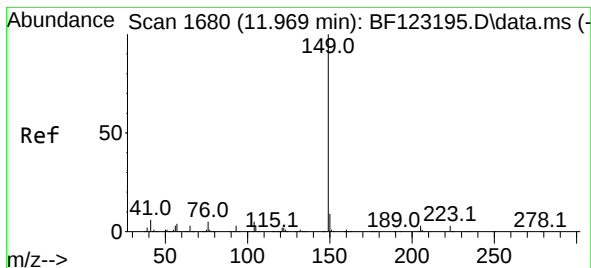
Tgt Ion:178 Resp: 95769
Ion Ratio Lower Upper
178 100
176 19.4 16.2 24.2
179 19.0 12.7 19.1



#72
Anthracene
Concen: 3.57 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.053 min
Lab File: BF123218.D
Acq: 17 Feb 2021 18:19

Tgt Ion:178 Resp: 95769
Ion Ratio Lower Upper
178 100
176 19.4 15.6 23.4
179 19.0 12.8 19.2

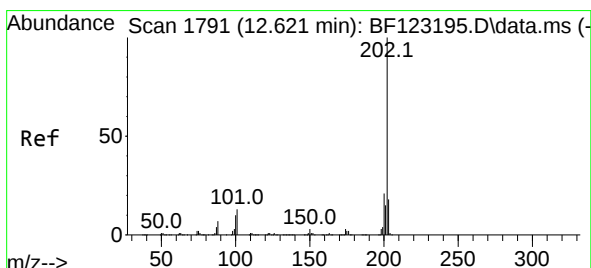
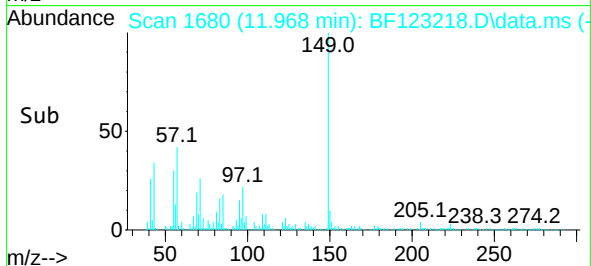
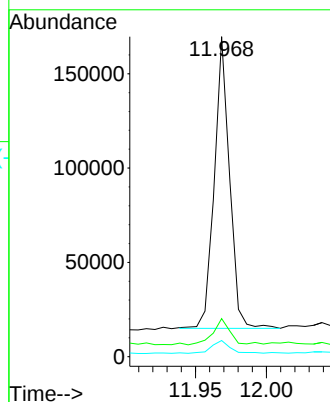
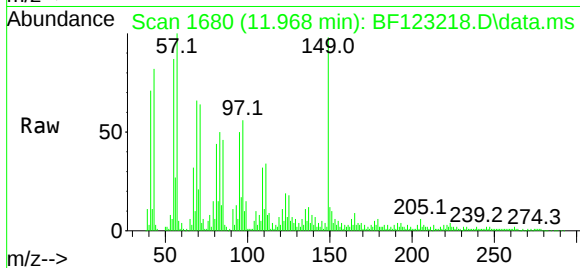




#74
Di-n-butylphthalate
Concen: 4.20 ng
RT: 11.968 min Scan# 1680
Delta R.T. -0.000 min
Lab File: BF123218.D
Acq: 17 Feb 2021 18:19

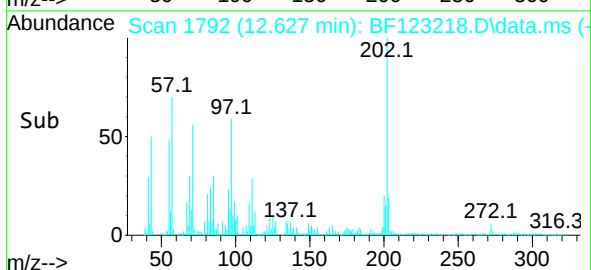
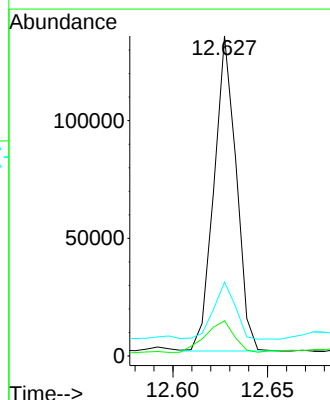
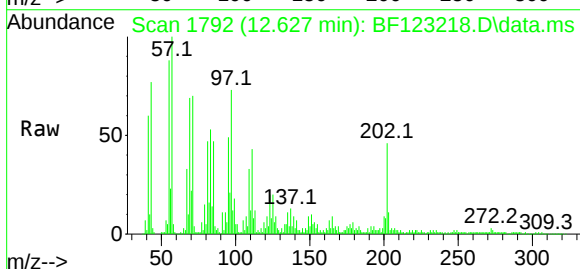
Instrument :
BNA_F
ClientSampleId :
SLUDGE-COMP

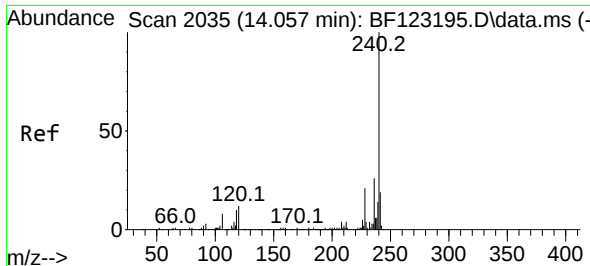
Tgt Ion:149 Resp: 115559
Ion Ratio Lower Upper
149 100
150 11.9 7.8 11.6#
104 5.1 4.2 6.4



#75
Fluoranthene
Concen: 4.05 ng
RT: 12.627 min Scan# 1792
Delta R.T. 0.006 min
Lab File: BF123218.D
Acq: 17 Feb 2021 18:19

Tgt Ion:202 Resp: 109337
Ion Ratio Lower Upper
202 100
101 11.0 0.0 32.2
203 23.1 0.0 38.1

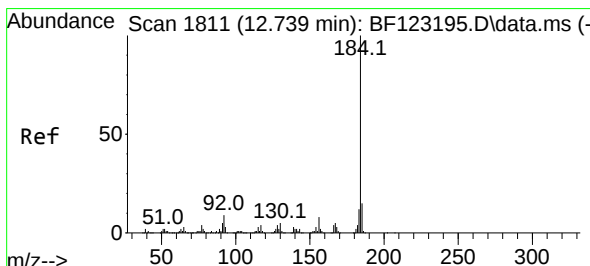
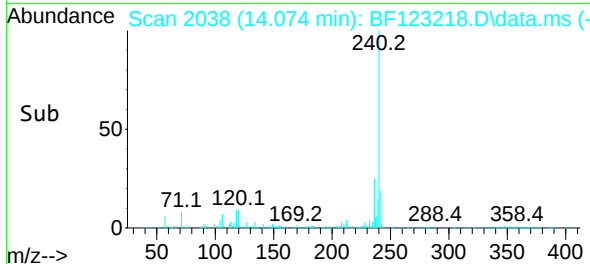
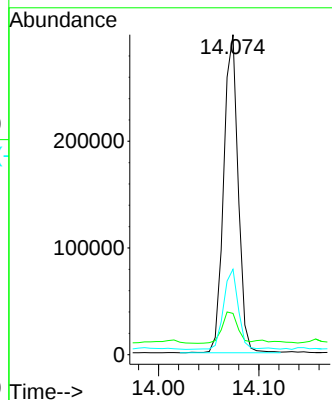
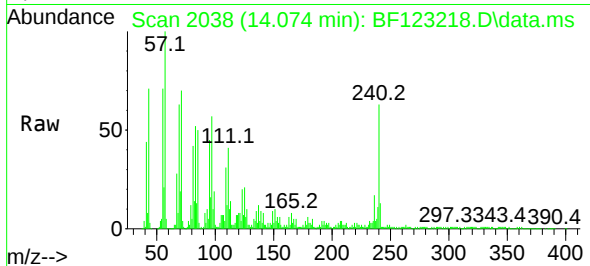




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.074 min Scan# 2038
Delta R.T. 0.017 min
Lab File: BF123218.D
Acq: 17 Feb 2021 18:19

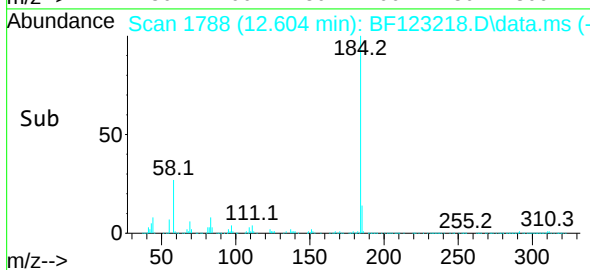
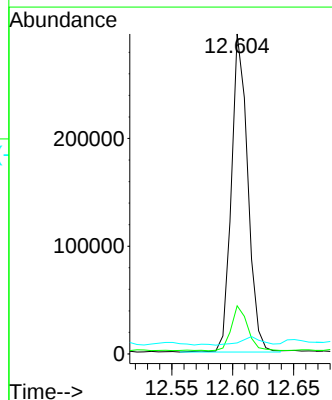
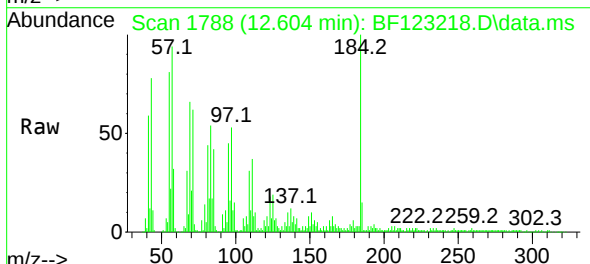
Instrument :
BNA_F
ClientSampleId :
SLUDGE-COMP

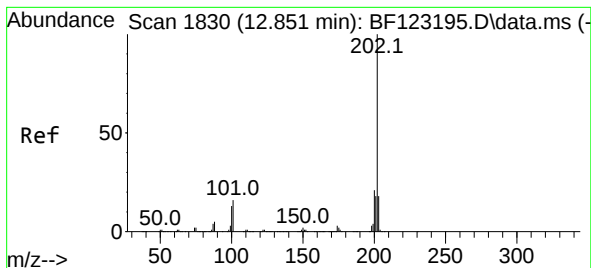
Tgt Ion:240 Resp: 298266
Ion Ratio Lower Upper
240 100
120 12.9 8.6 12.8#
236 26.7 20.3 30.5



#77
Benzidine
Concen: 26.10 ng
RT: 12.604 min Scan# 1788
Delta R.T. -0.135 min
Lab File: BF123218.D
Acq: 17 Feb 2021 18:19

Tgt Ion:184 Resp: 275836
Ion Ratio Lower Upper
184 100
185 15.1 11.8 17.6
183 3.5 9.7 14.5#





#78

Pyrene

Concen: 5.29 ng

RT: 12.857 min Scan# 1831

Delta R.T. 0.006 min

Lab File: BF123218.D

Acq: 17 Feb 2021 18:19

Tgt Ion:202 Resp: 116604

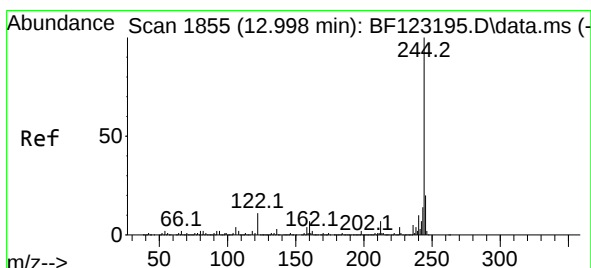
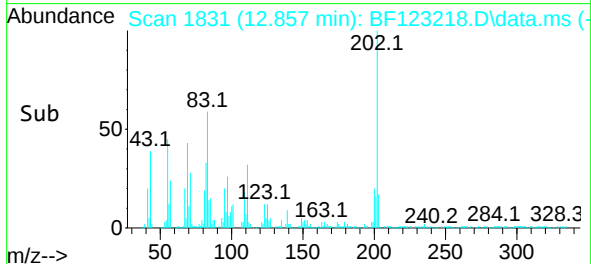
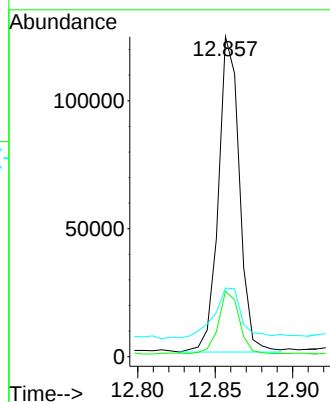
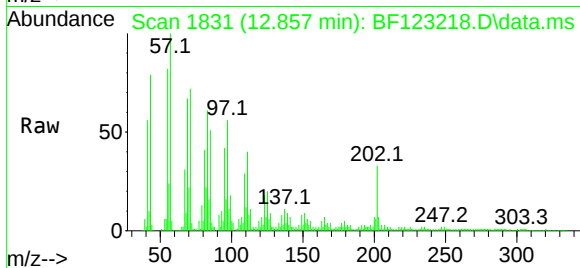
Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.6	26.4
203	21.4	14.6	21.8

Instrument :

BNA_F

ClientSampleId :

SLUDGE-COMP



#79

Terphenyl-d14

Concen: 49.22 ng

RT: 13.004 min Scan# 1856

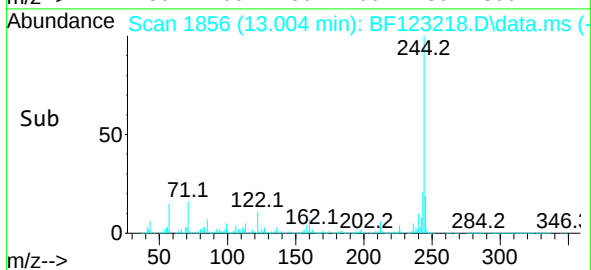
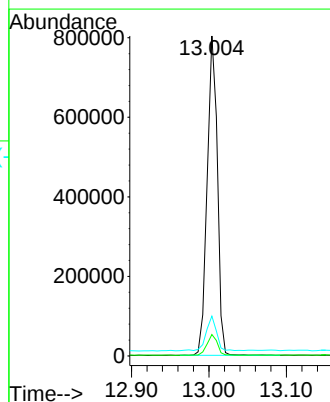
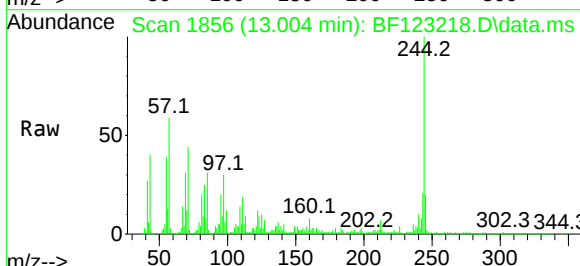
Delta R.T. 0.006 min

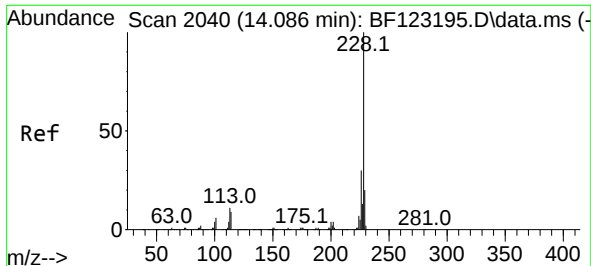
Lab File: BF123218.D

Acq: 17 Feb 2021 18:19

Tgt Ion:244 Resp: 732529

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	12.5	8.3	12.5

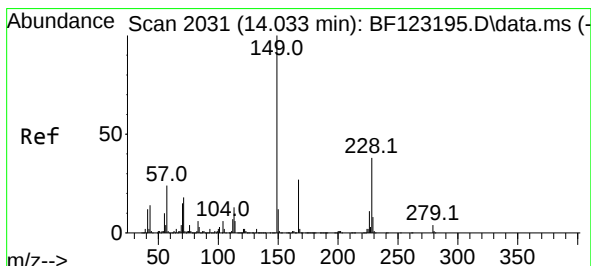
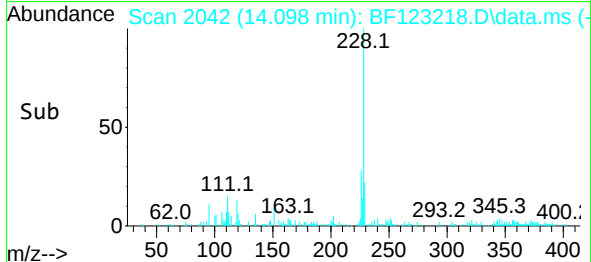
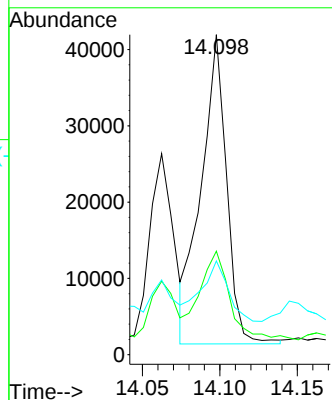
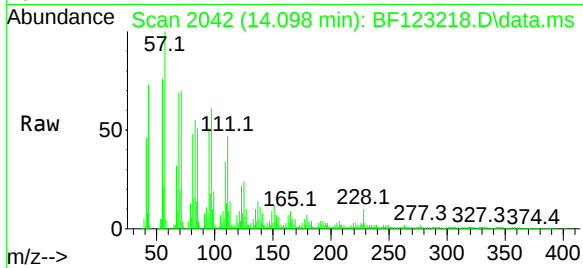




#83
Chrysene
Concen: 2.34 ng
RT: 14.098 min Scan# 2042
Delta R.T. 0.012 min
Lab File: BF123218.D
Acq: 17 Feb 2021 18:19

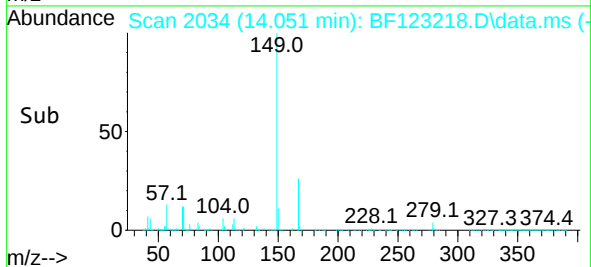
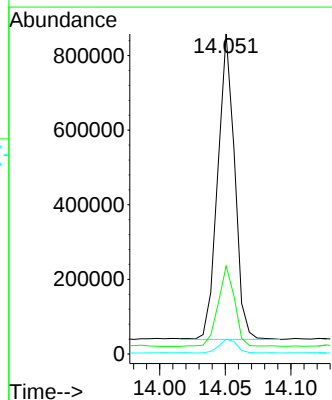
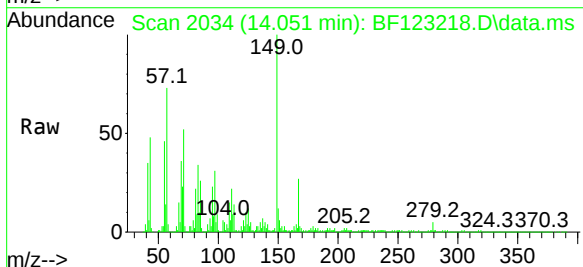
Instrument :
BNA_F
ClientSampleId :
SLUDGE-COMP

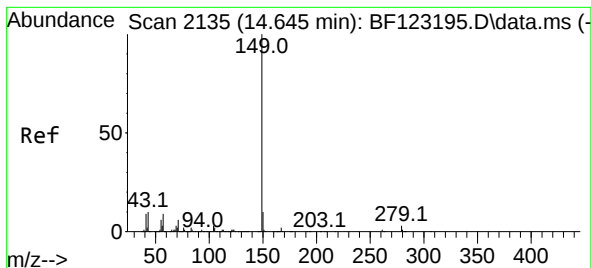
Tgt Ion:228 Resp: 46330
Ion Ratio Lower Upper
228 100
226 32.3 24.6 36.8
229 29.3 15.8 23.6#



#84
Bis(2-ethylhexyl)phthalate
Concen: 57.90 ng
RT: 14.051 min Scan# 2034
Delta R.T. 0.018 min
Lab File: BF123218.D
Acq: 17 Feb 2021 18:19

Tgt Ion:149 Resp: 732747
Ion Ratio Lower Upper
149 100
167 27.5 21.4 32.2
279 4.6 3.4 5.0

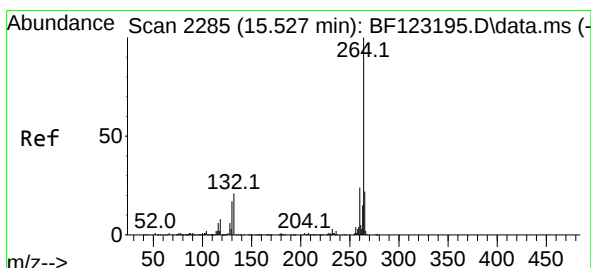
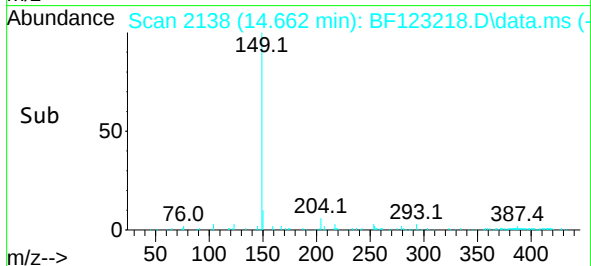
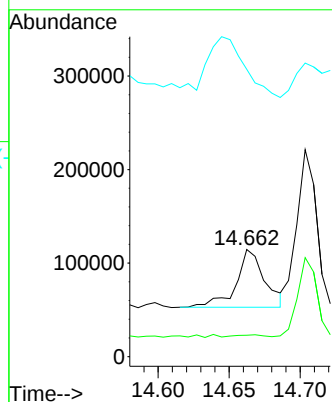
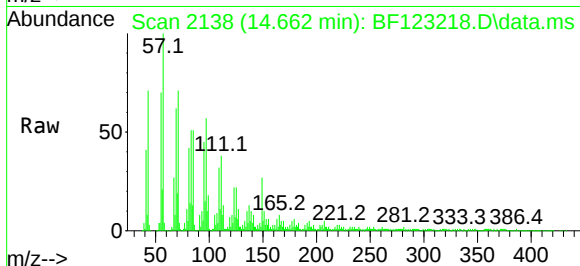




#85
Di-n-octyl phthalate
Concen: 3.95 ng
RT: 14.662 min Scan# 2138
Delta R.T. 0.018 min
Lab File: BF123218.D
Acq: 17 Feb 2021 18:19

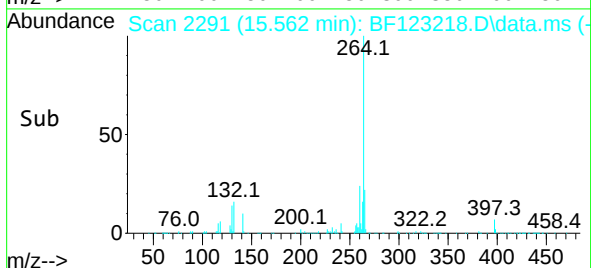
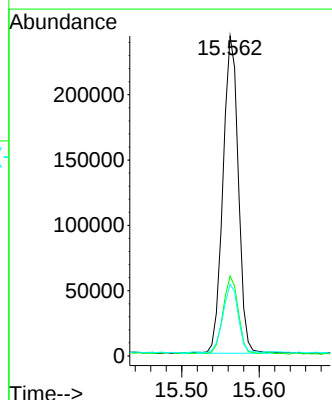
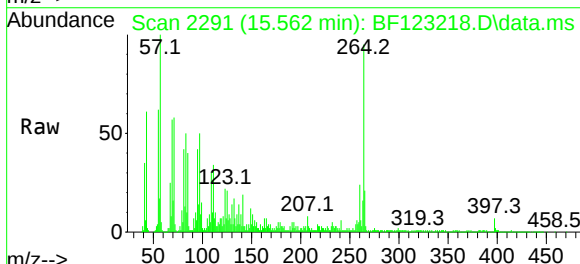
Instrument :
BNA_F
ClientSampleId :
SLUDGE-COMP

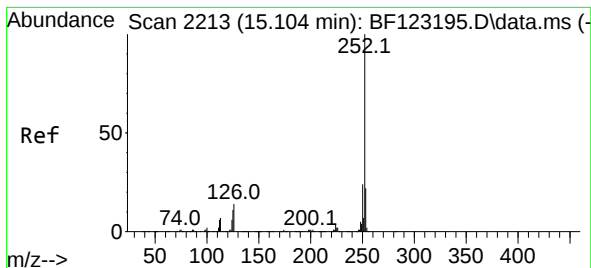
Tgt Ion:149 Resp: 86083
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 132.1 7.6 11.4#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.562 min Scan# 2291
Delta R.T. 0.035 min
Lab File: BF123218.D
Acq: 17 Feb 2021 18:19

Tgt Ion:264 Resp: 333802
Ion Ratio Lower Upper
264 100
260 25.0 18.6 28.0
265 22.5 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 2.66 ng

RT: 15.127 min Scan# 2217

Delta R.T. 0.023 min

Lab File: BF123218.D

Acq: 17 Feb 2021 18:19

Tgt Ion:252 Resp: 62367

Ion Ratio Lower Upper

252 100

253 32.2 18.3 27.5#

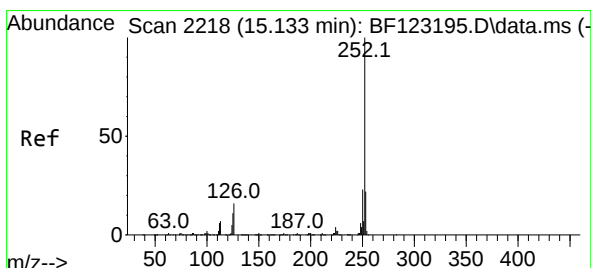
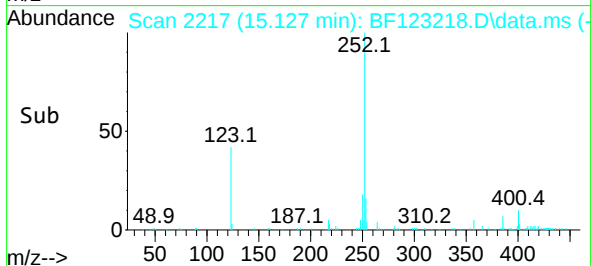
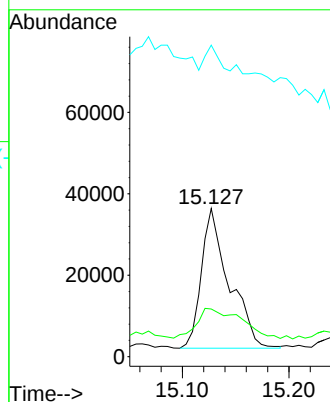
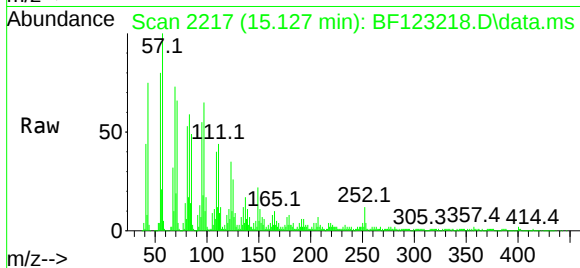
125 210.2 8.1 12.1#

Instrument :

BNA_F

ClientSampleId :

SLUDGE-COMP



#89

Benzo(k)fluoranthene

Concen: 2.89 ng

RT: 15.127 min Scan# 2217

Delta R.T. -0.006 min

Lab File: BF123218.D

Acq: 17 Feb 2021 18:19

Tgt Ion:252 Resp: 62367

Ion Ratio Lower Upper

252 100

253 32.2 17.8 26.8#

125 210.2 8.4 12.6#

