

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
 Data File : BF123445.D
 Acq On : 24 Mar 2021 18:23
 Operator : JU/CG
 Sample : M1777-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 244

Quant Time: Mar 25 00:40:05 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 24 12:51:15 2021
 Response via : Initial Calibration

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

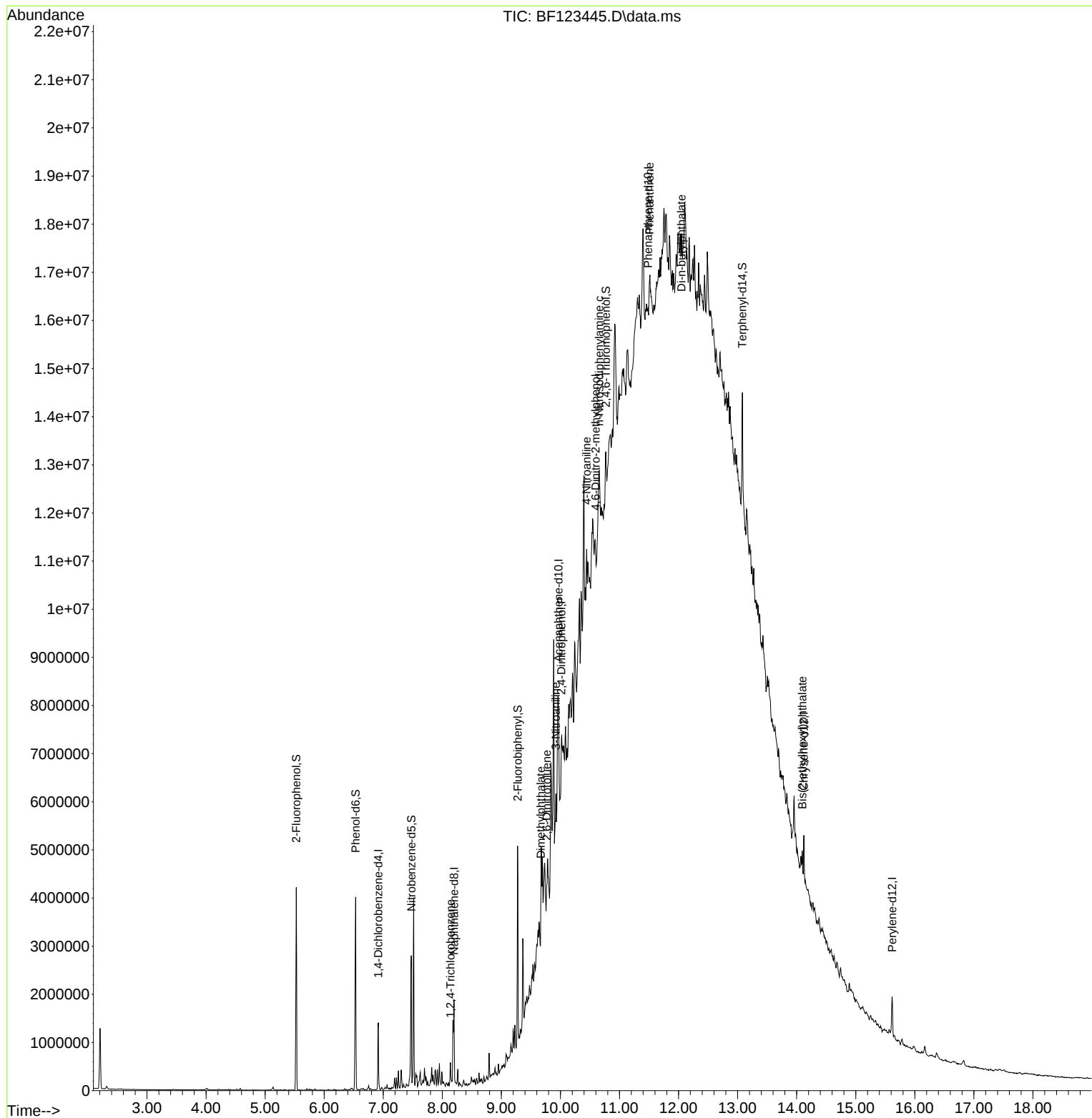
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	192640	20.00	ng	0.00
21) Naphthalene-d8	8.198	136	650310	20.00	ng	# 0.00
39) Acenaphthene-d10	9.969	164	239752	20.00	ng	0.00
64) Phenanthrene-d10	11.486	188	305302	20.00	ng	# 0.04
76) Chrysene-d12	14.121	240	343796	20.00	ng	0.01
86) Perylene-d12	15.615	264	433881	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	988791	83.97	ng	0.00
7) Phenol-d6	6.533	99	1231536	78.57	ng	0.00
23) Nitrobenzene-d5	7.475	82	788724	65.46	ng	0.00
42) 2,4,6-Tribromophenol	10.769	330	218987	81.70	ng	0.01
45) 2-Fluorobiphenyl	9.274	172	1219681	72.68	ng	0.00
79) Terphenyl-d14	13.080	244	887425	43.75	ng	0.03
Target Compounds						Qvalue
9) Benzaldehyde	6.457	77	5034	Below Cal		94
30) 1,2,4-Trichlorobenzene	8.139	180	64391	5.68 ng		95
50) Dimethylphthalate	9.669	163	69716	4.09 ng	#	51
51) 2,6-Dinitrotoluene	9.769	165	24035	6.76 ng	#	40
53) 3-Nitroaniline	9.922	138	34070	9.07 ng	#	21
54) 2,4-Dinitrophenol	10.016	184	1543	9.46 ng	#	1
62) 4-Nitroaniline	10.445	138	60347	16.95 ng		93
65) 4,6-Dinitro-2-methylph...	10.598	198	5071	7.88 ng	#	1
66) n-Nitrosodiphenylamine	10.657	169	86307	8.44 ng	#	65
71) Phenanthrene	11.510	178	87234	5.17 ng	#	1
74) Di-n-butylphthalate	12.051	149	149656	8.20 ng	#	42
84) Bis(2-ethylhexyl)phtha...	14.098	149	162962	11.25 ng	#	91

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

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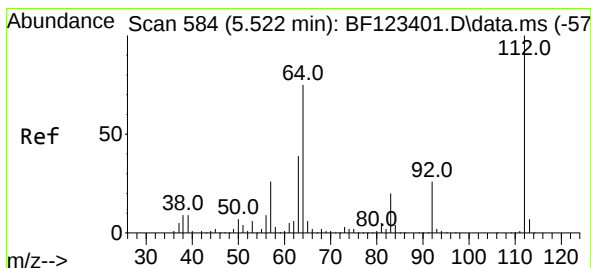
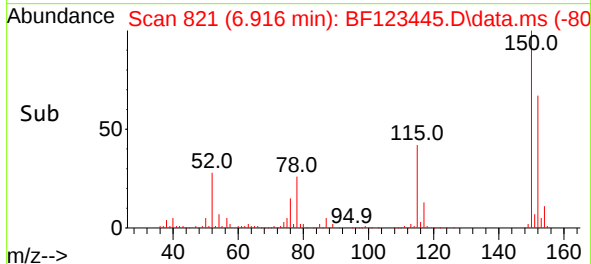
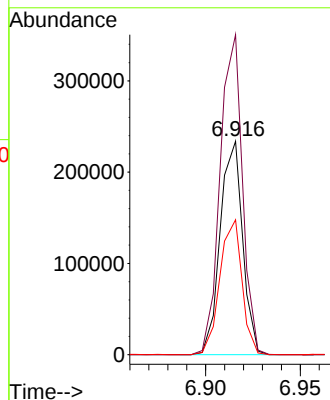
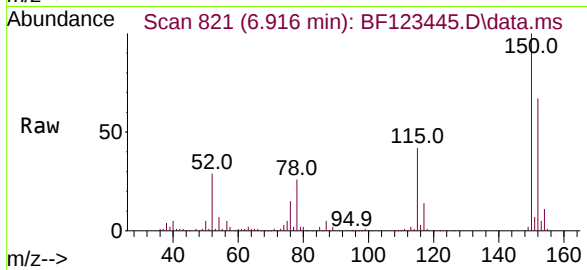




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.916 min Scan# 821
Delta R.T. -0.000 min
Lab File: BF123445.D
Acq: 24 Mar 2021 18:23

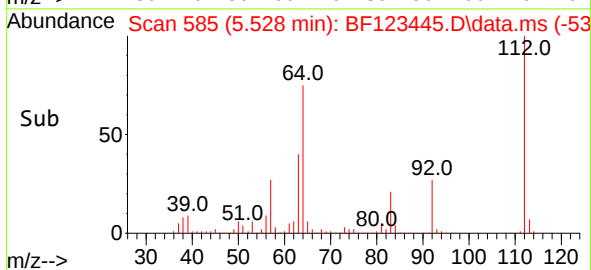
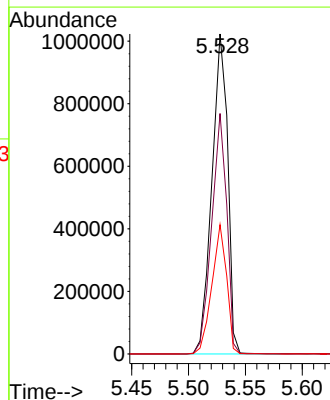
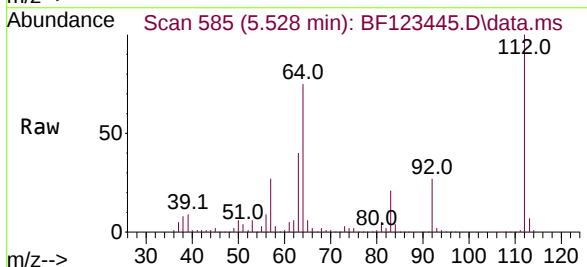
Instrument :
BNA_F
ClientSampleId :
244

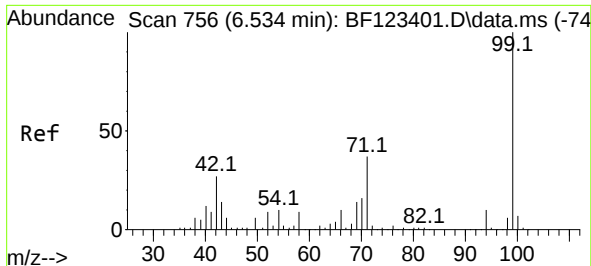
Tgt Ion:152 Resp: 192640
Ion Ratio Lower Upper
152 100
150 150.0 125.8 188.6
115 63.2 49.3 73.9



#5
2-Fluorophenol
Concen: 83.97 ng
RT: 5.528 min Scan# 585
Delta R.T. -0.000 min
Lab File: BF123445.D
Acq: 24 Mar 2021 18:23

Tgt Ion:112 Resp: 988791
Ion Ratio Lower Upper
112 100
64 75.1 46.9 70.3#
63 40.4 24.5 36.7#

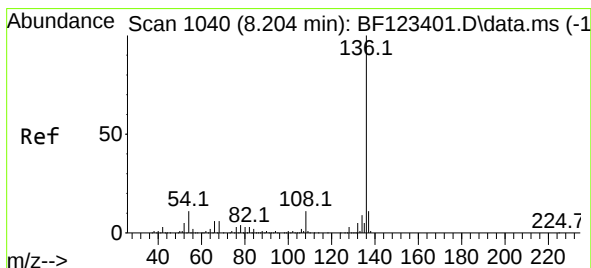
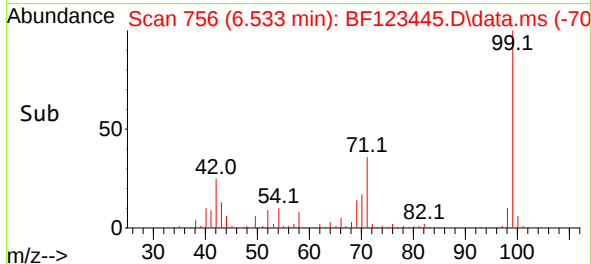
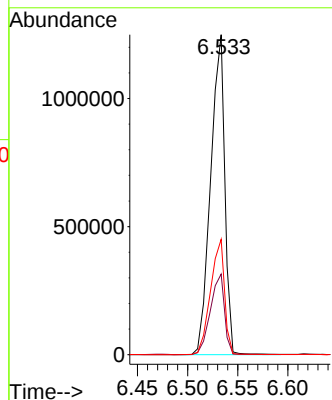
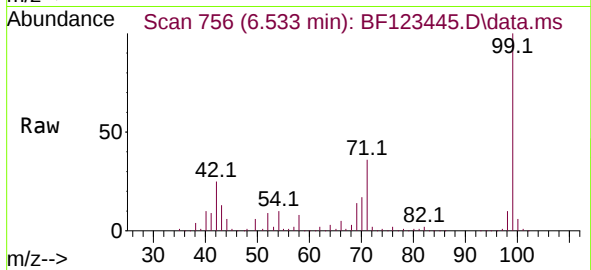




#7
Phenol-d6
Concen: 78.57 ng
RT: 6.533 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF123445.D
Acq: 24 Mar 2021 18:23

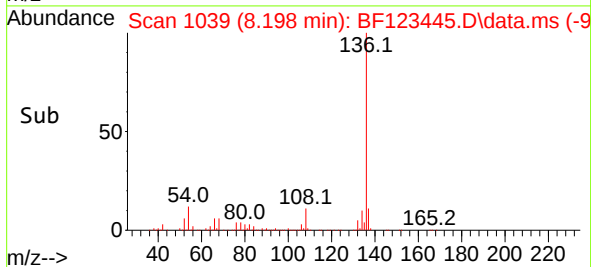
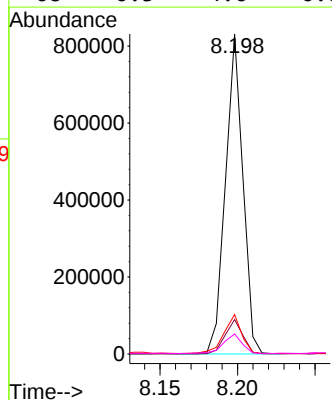
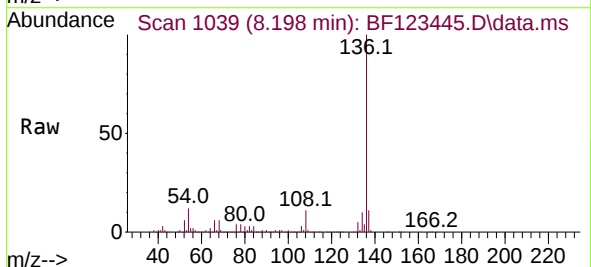
Instrument :
BNA_F
ClientSampled :
244

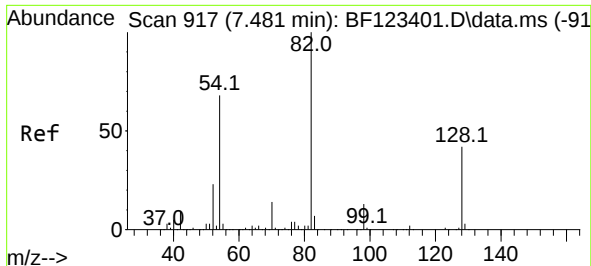
Tgt Ion: 99 Resp: 1231536
Ion Ratio Lower Upper
99 100
42 25.2 13.8 20.6#
71 36.0 26.9 40.3



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.198 min Scan# 1039
Delta R.T. -0.000 min
Lab File: BF123445.D
Acq: 24 Mar 2021 18:23

Tgt Ion: 136 Resp: 650310
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 12.3 5.5 8.3#
68 6.3 4.6 6.8

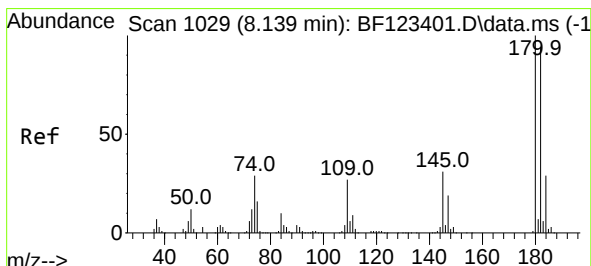
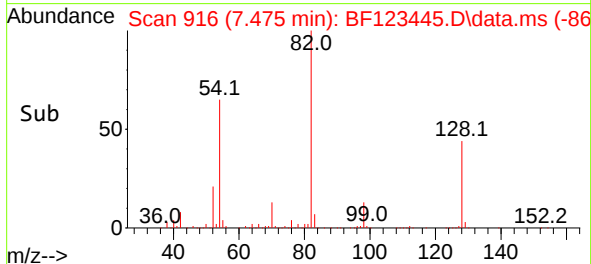
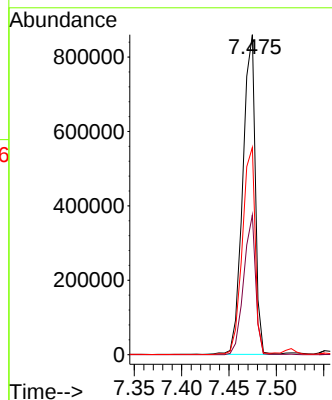
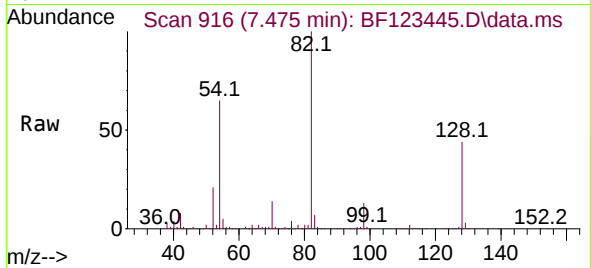




#23
Nitrobenzene-d5
Concen: 65.46 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.006 min
Lab File: BF123445.D
Acq: 24 Mar 2021 18:23

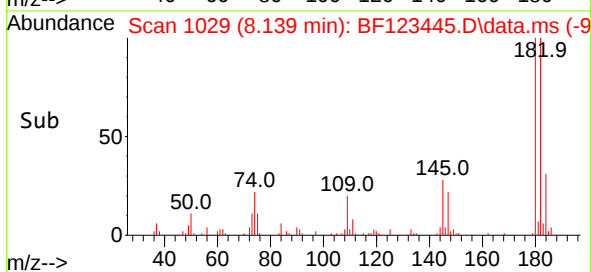
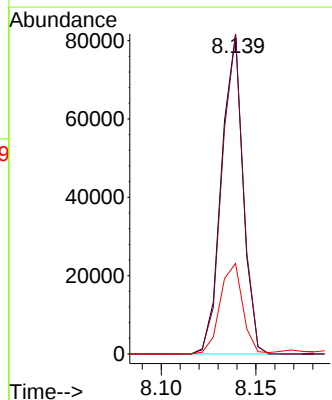
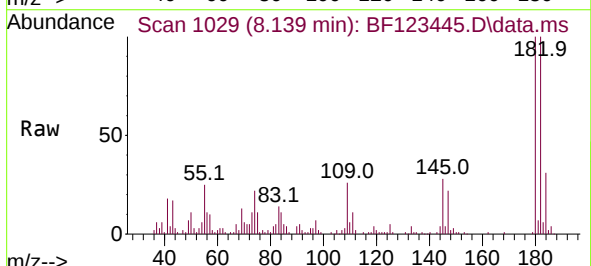
Instrument :
BNA_F
ClientSampleId :
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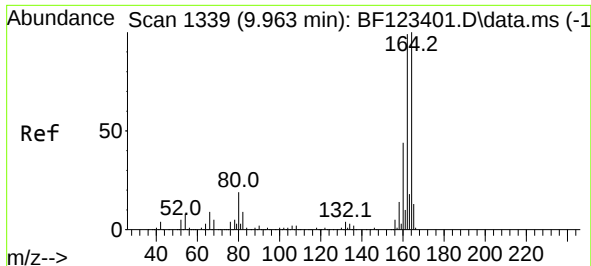
Tgt Ion: 82 Resp: 788724
Ion Ratio Lower Upper
82 100
128 43.6 37.0 55.4
54 64.8 38.4 57.6#



#30
1,2,4-Trichlorobenzene
Concen: 5.68 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.000 min
Lab File: BF123445.D
Acq: 24 Mar 2021 18:23

Tgt Ion: 180 Resp: 64391
Ion Ratio Lower Upper
180 100
182 100.0 75.7 113.5
145 28.3 25.0 37.4





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.969 min Scan# 1340

Delta R.T. 0.006 min

Lab File: BF123445.D

Acq: 24 Mar 2021 18:23

Tgt Ion:164 Resp: 239752

Ion Ratio Lower Upper

164 100

162 98.3 80.8 121.2

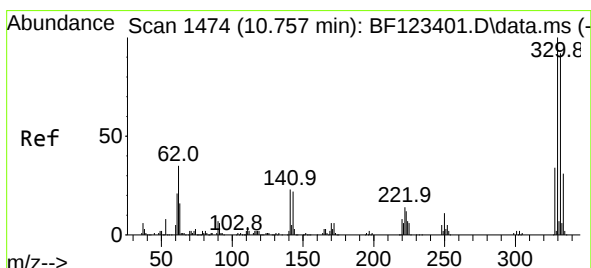
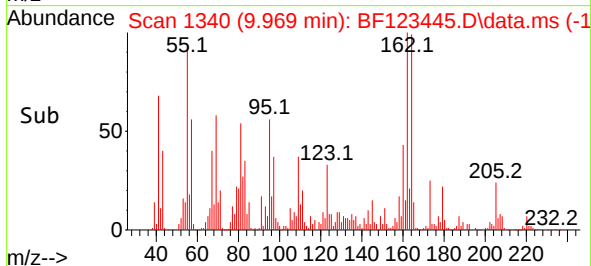
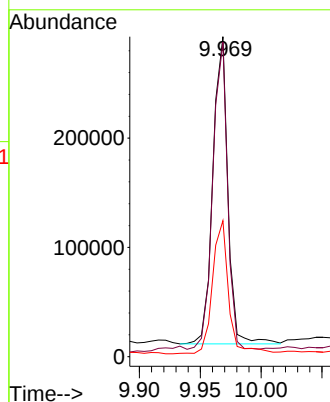
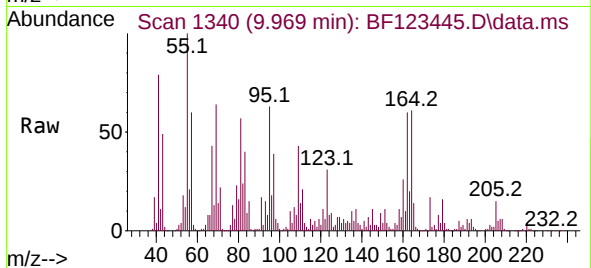
160 42.5 35.4 53.0

Instrument :

BNA_F

ClientSampleId :

244



#42

2,4,6-Tribromophenol

Concen: 81.70 ng

RT: 10.769 min Scan# 1476

Delta R.T. 0.012 min

Lab File: BF123445.D

Acq: 24 Mar 2021 18:23

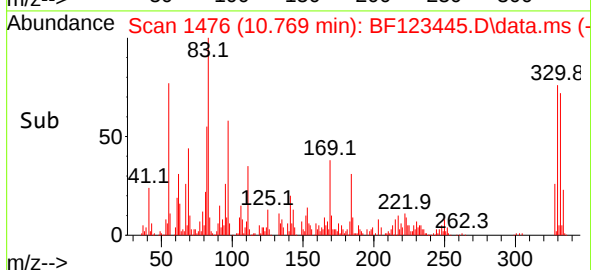
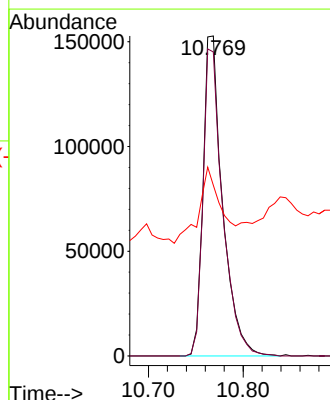
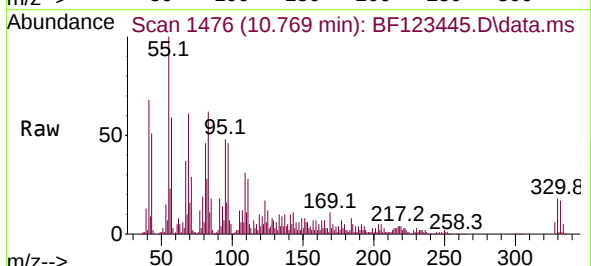
Tgt Ion:330 Resp: 218987

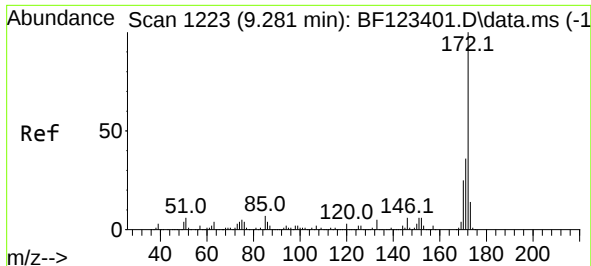
Ion Ratio Lower Upper

330 100

332 96.8 77.5 116.3

141 26.6 23.8 35.8

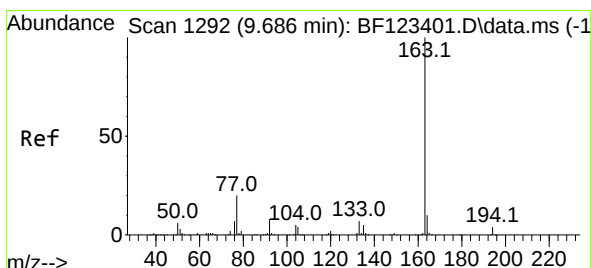
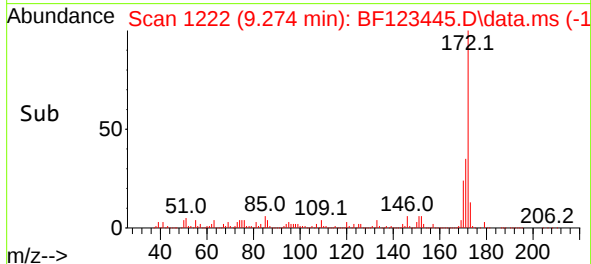
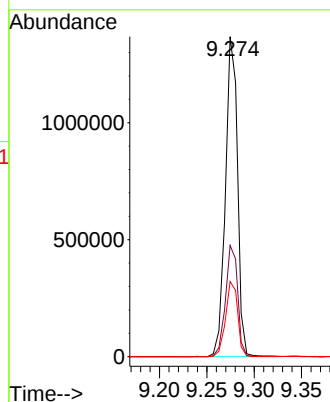
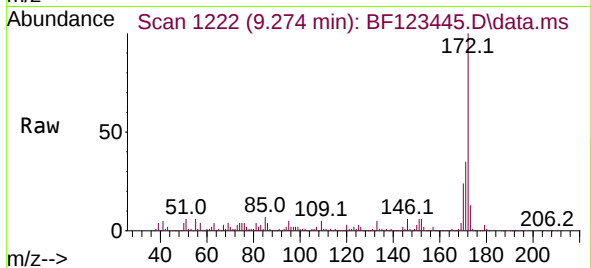




#45
2-Fluorobiphenyl
Concen: 72.68 ng
RT: 9.274 min Scan# 1222
Delta R.T. -0.006 min
Lab File: BF123445.D
Acq: 24 Mar 2021 18:23

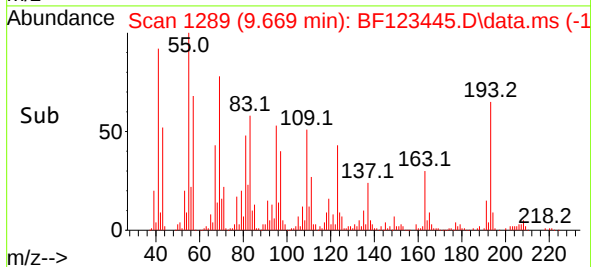
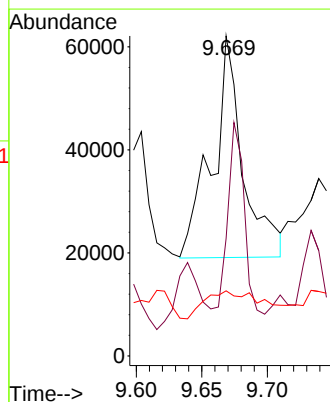
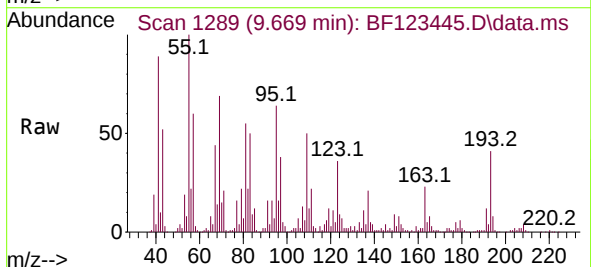
Instrument :
BNA_F
ClientSampled :
244

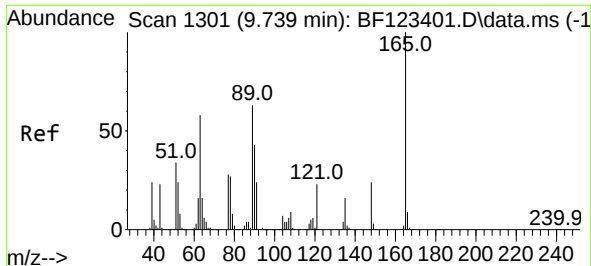
Tgt Ion:172 Resp: 1219681
Ion Ratio Lower Upper
172 100
171 34.7 29.6 44.4
170 23.5 19.5 29.3



#50
Dimethylphthalate
Concen: 4.09 ng
RT: 9.669 min Scan# 1289
Delta R.T. -0.018 min
Lab File: BF123445.D
Acq: 24 Mar 2021 18:23

Tgt Ion:163 Resp: 69716
Ion Ratio Lower Upper
163 100
194 36.7 3.4 5.0#
164 20.3 8.1 12.1#

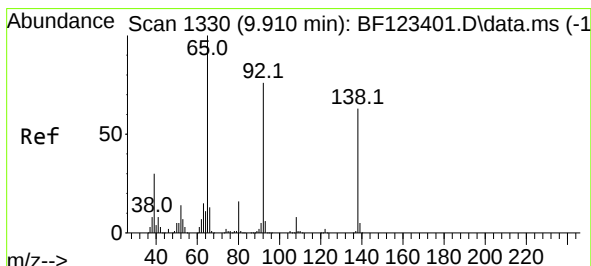
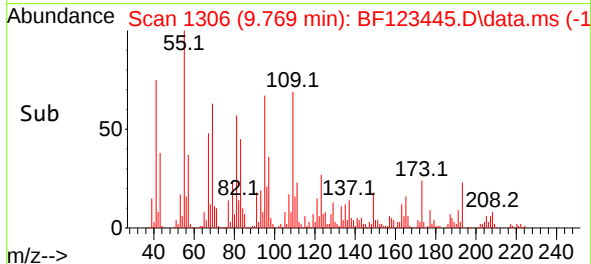
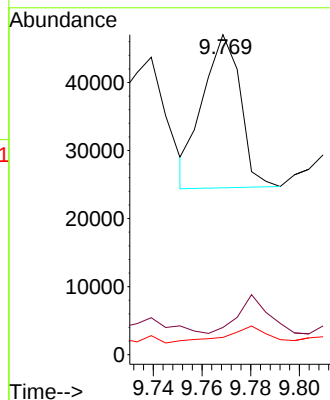
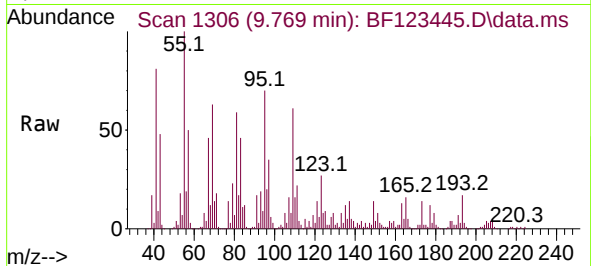




#51
2,6-Dinitrotoluene
Concen: 6.76 ng
RT: 9.769 min Scan# 1306
Delta R.T. 0.023 min
Lab File: BF123445.D
Acq: 24 Mar 2021 18:23

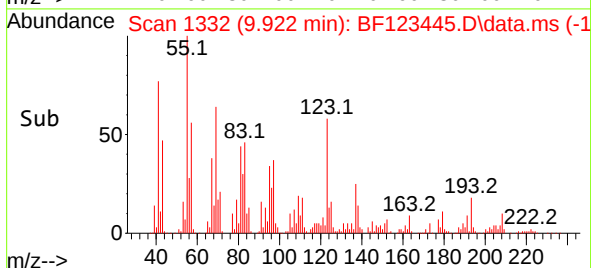
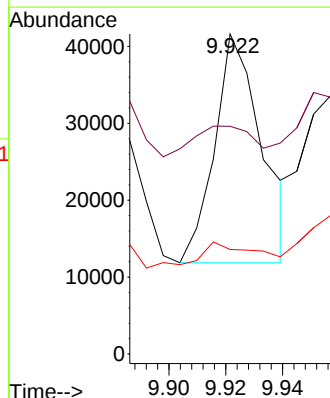
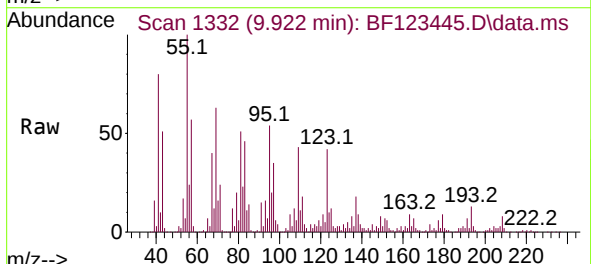
Instrument :
BNA_F
ClientSampled :
244

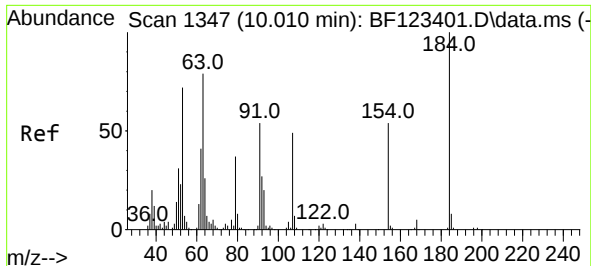
Tgt Ion:165 Resp: 24035
Ion Ratio Lower Upper
165 100
63 8.5 36.6 55.0#
89 5.4 39.4 59.0#



#53
3-Nitroaniline
Concen: 9.07 ng
RT: 9.922 min Scan# 1332
Delta R.T. 0.006 min
Lab File: BF123445.D
Acq: 24 Mar 2021 18:23

Tgt Ion:138 Resp: 34070
Ion Ratio Lower Upper
138 100
108 71.2 8.2 12.2#
92 32.6 85.4 128.2#

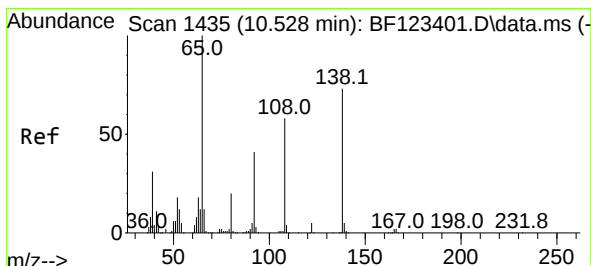
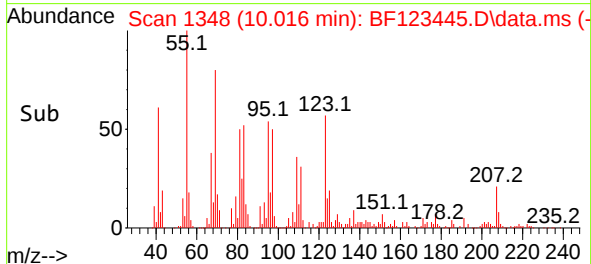
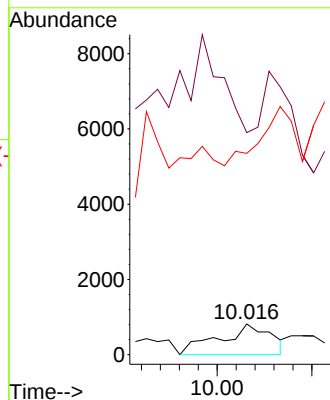
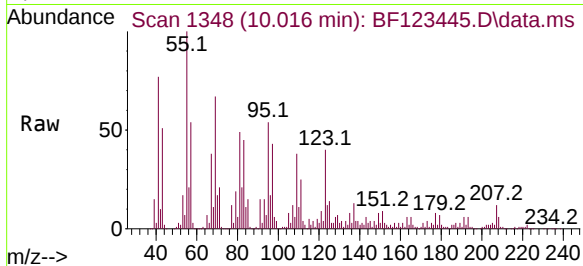




#54
2,4-Dinitrophenol
Concen: 9.46 ng
RT: 10.016 min Scan# 1348
Delta R.T. -0.000 min
Lab File: BF123445.D
Acq: 24 Mar 2021 18:23

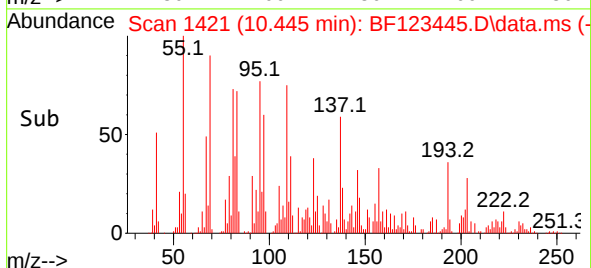
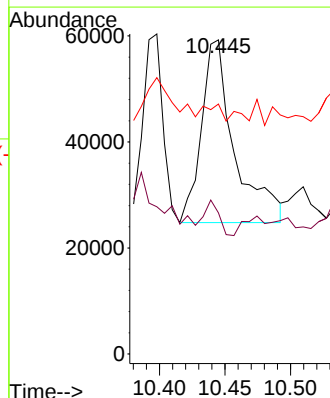
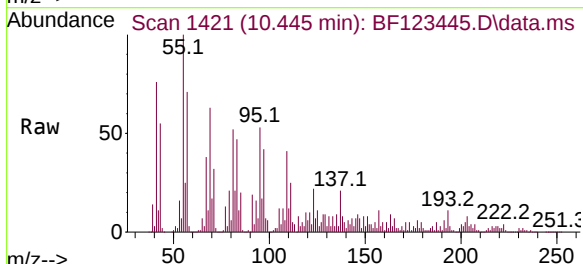
Instrument :
BNA_F
ClientSampled :
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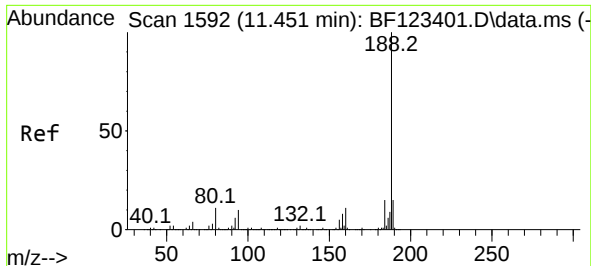
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Ion Ratio Lower Upper
184 100
63 724.5 51.4 77.2#
154 656.4 49.7 74.5#



#62
4-Nitroaniline
Concen: 16.95 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.088 min
Lab File: BF123445.D
Acq: 24 Mar 2021 18:23

Tgt Ion:138 Resp: 60347
Ion Ratio Lower Upper
138 100
92 44.9 31.0 71.0
108 79.6 54.8 94.8

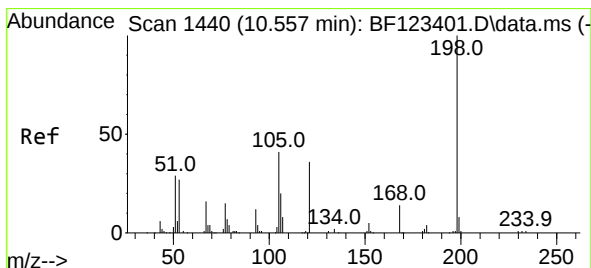
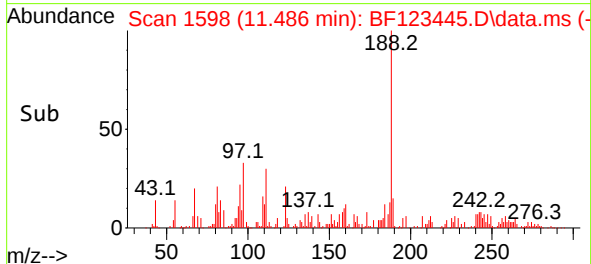
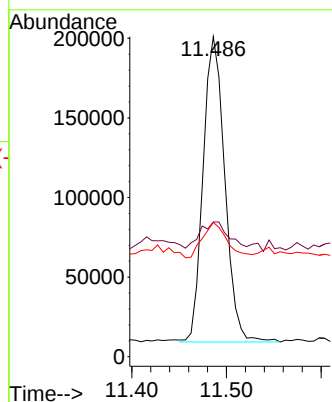
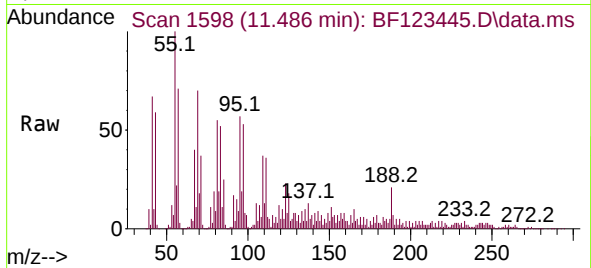




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.486 min Scan# 1598
Delta R.T. 0.035 min
Lab File: BF123445.D
Acq: 24 Mar 2021 18:23

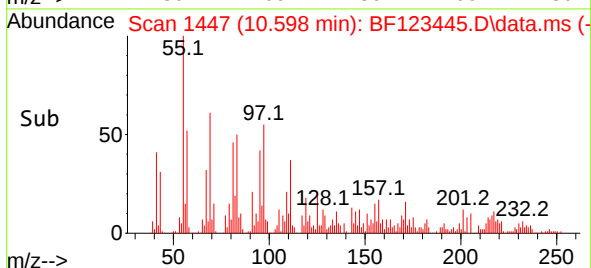
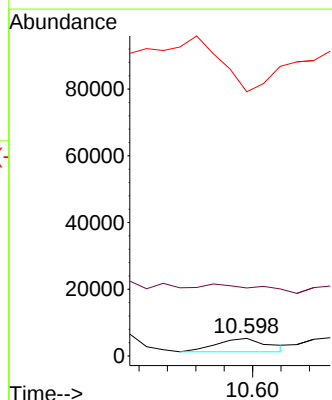
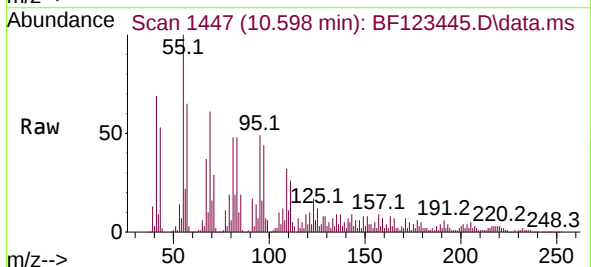
Instrument :
BNA_F
ClientSampled :
244

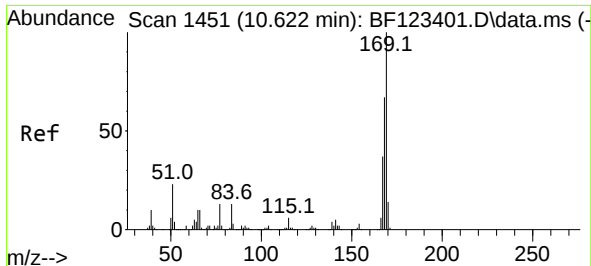
Tgt Ion:188 Resp: 305302
Ion Ratio Lower Upper
188 100
94 42.1 7.4 11.2#
80 41.9 8.2 12.4#



#65
4,6-Dinitro-2-methylphenol
Concen: 7.88 ng
RT: 10.598 min Scan# 1447
Delta R.T. 0.041 min
Lab File: BF123445.D
Acq: 24 Mar 2021 18:23

Tgt Ion:198 Resp: 5071
Ion Ratio Lower Upper
198 100
51 386.0 20.3 60.3#
105 1498.2 23.0 63.0#

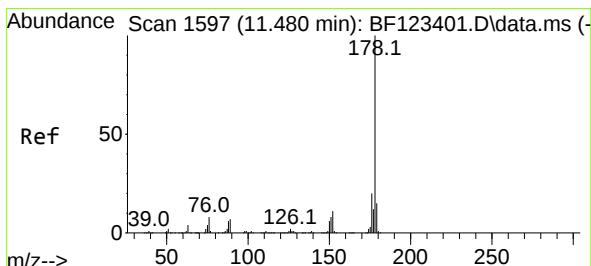
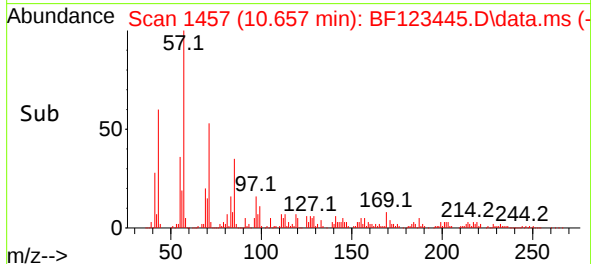
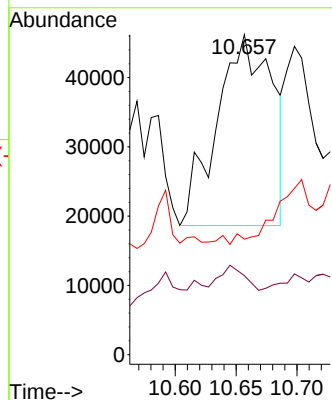
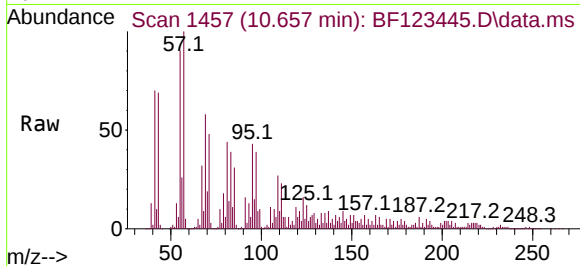




#66
n-Nitrosodiphenylamine
Concen: 8.44 ng
RT: 10.657 min Scan# 1457
Delta R.T. 0.029 min
Lab File: BF123445.D
Acq: 24 Mar 2021 18:23

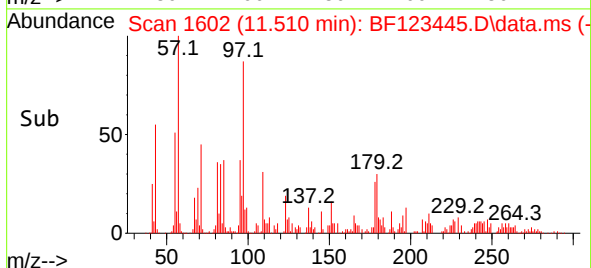
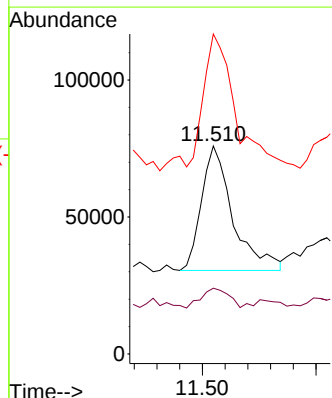
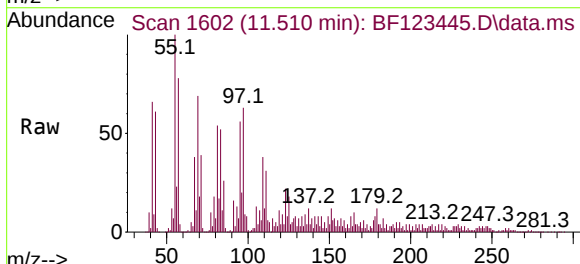
Instrument :
BNA_F
ClientSampled :
244

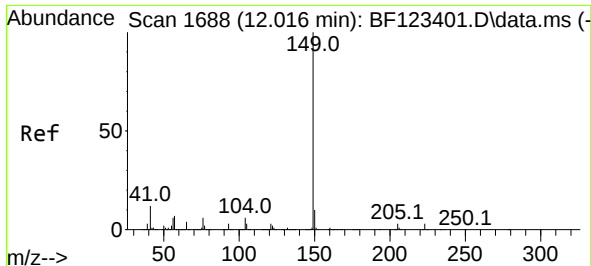
Tgt Ion:169 Resp: 86307
Ion Ratio Lower Upper
169 100
168 24.7 54.2 81.2#
167 36.1 29.2 43.8



#71
Phenanthrene
Concen: 5.17 ng
RT: 11.510 min Scan# 1602
Delta R.T. 0.029 min
Lab File: BF123445.D
Acq: 24 Mar 2021 18:23

Tgt Ion:178 Resp: 87234
Ion Ratio Lower Upper
178 100
176 31.6 16.2 24.2#
179 153.8 12.7 19.1#

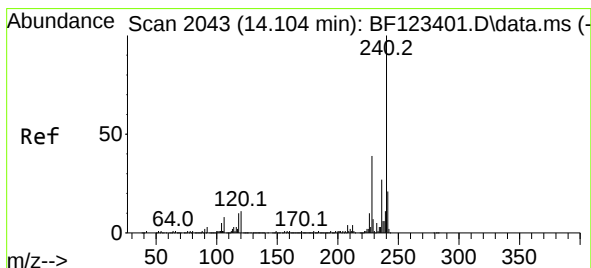
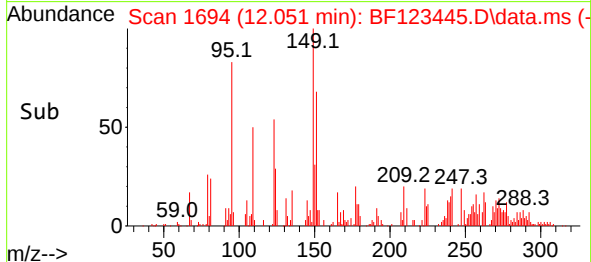
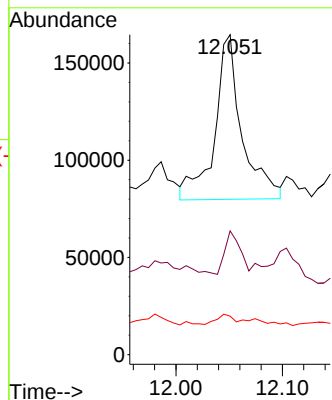
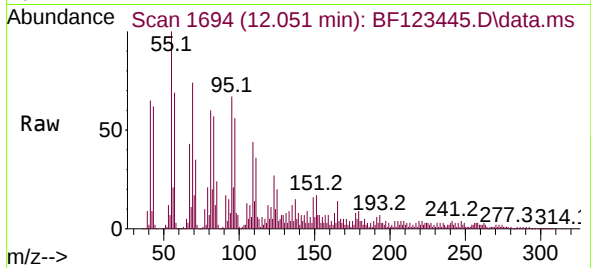




#74
Di-n-butylphthalate
Concen: 8.20 ng
RT: 12.051 min Scan# 1694
Delta R.T. 0.029 min
Lab File: BF123445.D
Acq: 24 Mar 2021 18:23

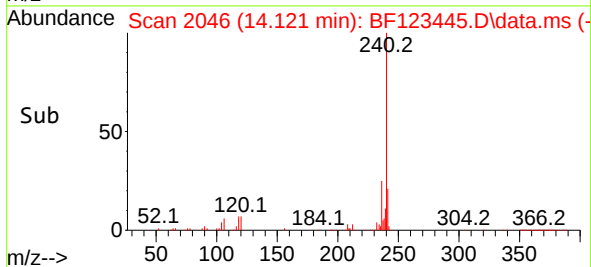
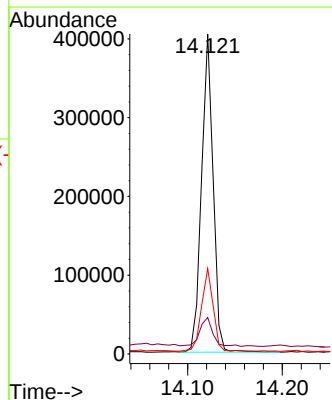
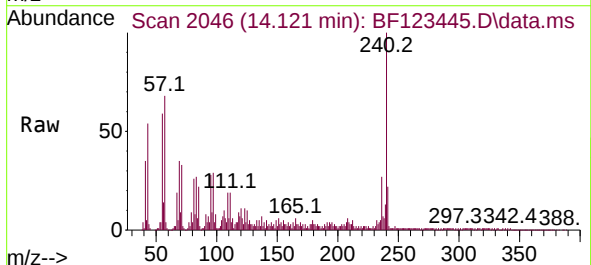
Instrument :
BNA_F
ClientSampled :
244

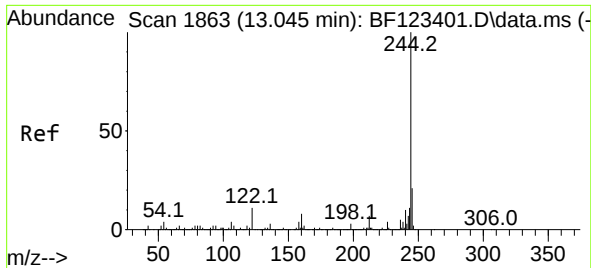
Tgt Ion:149 Resp: 149656
Ion Ratio Lower Upper
149 100
150 38.7 7.8 11.6#
104 12.0 4.2 6.4#



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.121 min Scan# 2046
Delta R.T. 0.012 min
Lab File: BF123445.D
Acq: 24 Mar 2021 18:23

Tgt Ion:240 Resp: 343796
Ion Ratio Lower Upper
240 100
120 11.4 8.6 12.8
236 26.7 20.3 30.5

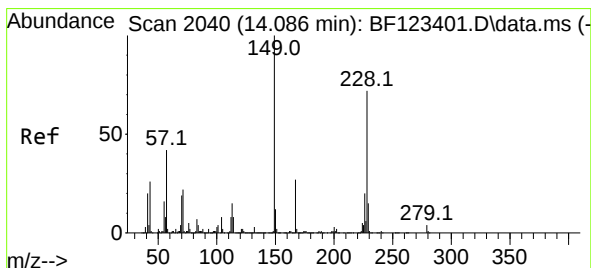
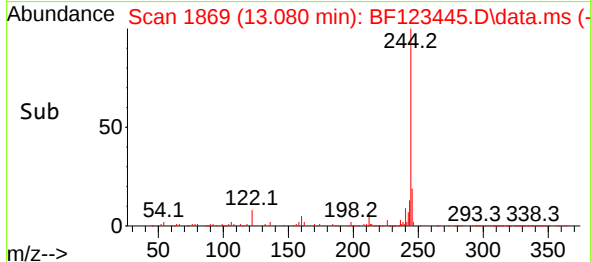
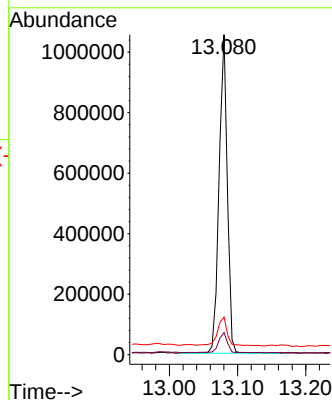
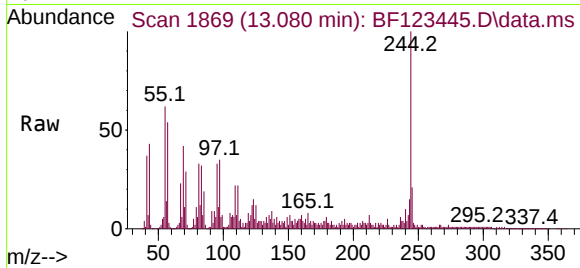




#79
 Terphenyl-d14
 Concen: 43.75 ng
 RT: 13.080 min Scan# 1869
 Delta R.T. 0.029 min
 Lab File: BF123445.D
 Acq: 24 Mar 2021 18:23

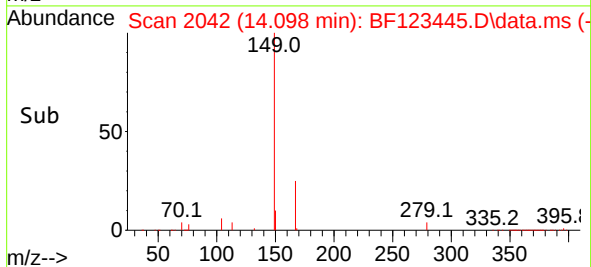
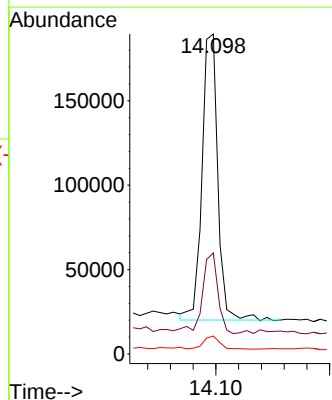
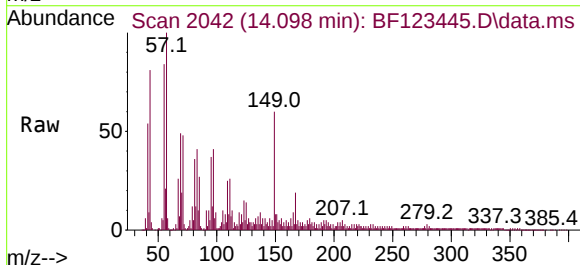
Instrument :
 BNA_F
 ClientSampleId :
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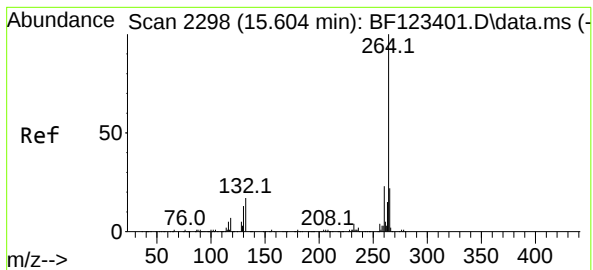
Tgt Ion:244 Resp: 887425
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.7 8.5
 122 11.7 8.3 12.5



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 11.25 ng
 RT: 14.098 min Scan# 2042
 Delta R.T. 0.012 min
 Lab File: BF123445.D
 Acq: 24 Mar 2021 18:23

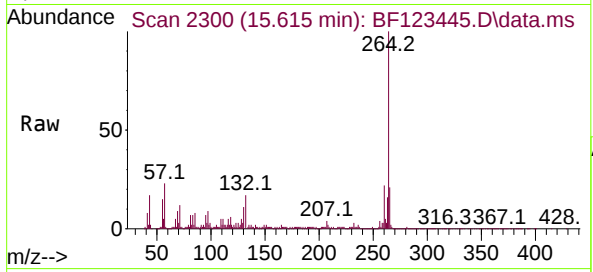
Tgt Ion:149 Resp: 162962
 Ion Ratio Lower Upper
 149 100
 167 31.5 21.4 32.2
 279 5.6 3.4 5.0#





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.615 min Scan# 2300
Delta R.T. 0.006 min
Lab File: BF123445.D
Acq: 24 Mar 2021 18:23

Instrument :
BNA_F
ClientSampleId :
244



Tgt Ion:264 Resp: 433881

Ion	Ratio	Lower	Upper
264	100		
260	22.1	18.6	28.0
265	20.8	17.0	25.6

