

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
 Data File : BF123451.D
 Acq On : 24 Mar 2021 21:34
 Operator : JU/CG
 Sample : M1771-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-SOIL-323

Quant Time: Mar 25 00:41:22 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)

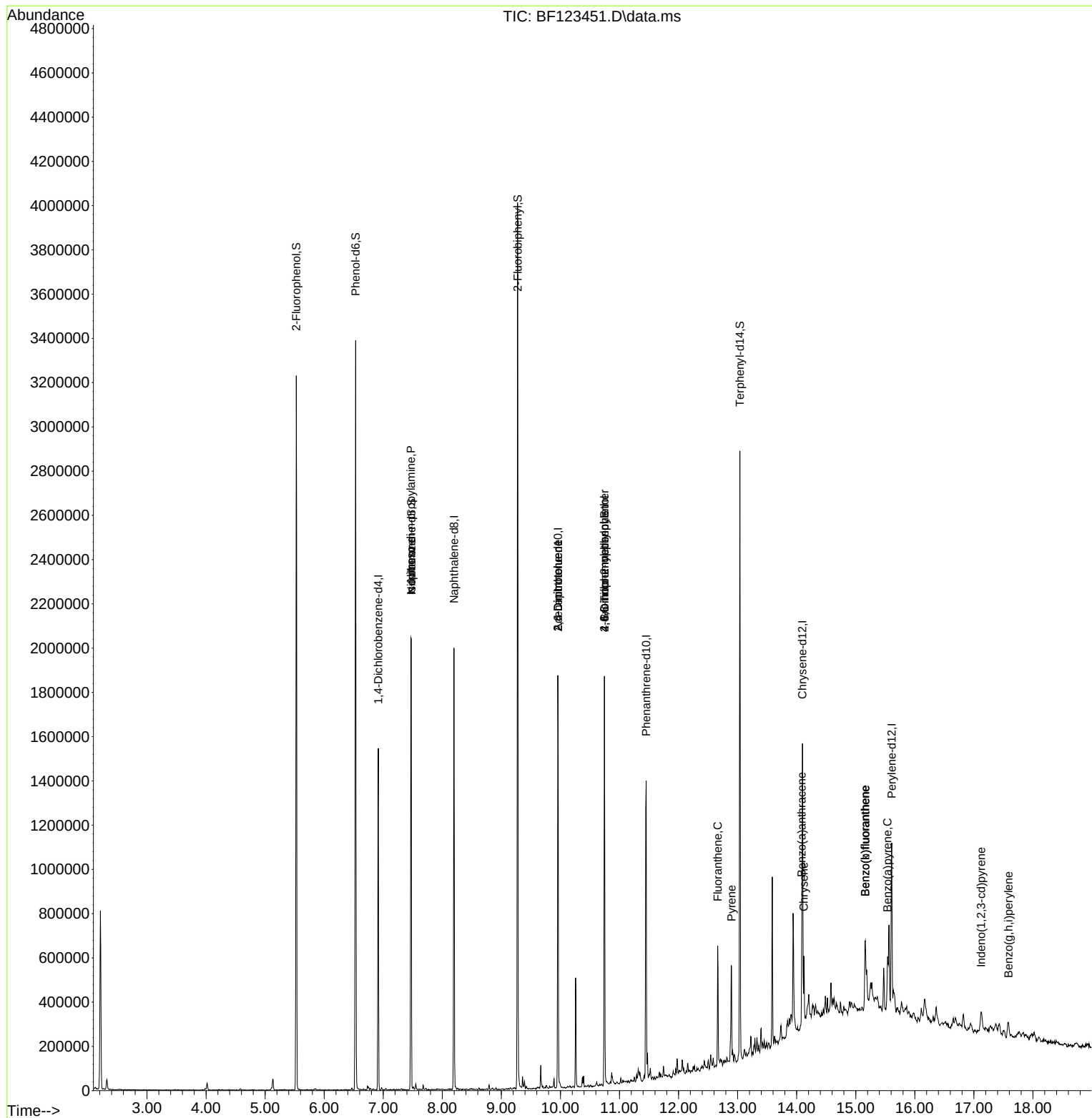
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	215505	20.00	ng	0.00
21) Naphthalene-d8	8.198	136	756712	20.00	ng	# 0.00
39) Acenaphthene-d10	9.957	164	368030	20.00	ng	0.00
64) Phenanthrene-d10	11.451	188	503899	20.00	ng	0.00
76) Chrysene-d12	14.098	240	380913	20.00	ng	-0.01
86) Perylene-d12	15.609	264	368018	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	764989	58.07	ng	0.00
7) Phenol-d6	6.534	99	942836	53.77	ng	0.00
23) Nitrobenzene-d5	7.475	82	633320	45.17	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	199367	48.45	ng	-0.01
45) 2-Fluorobiphenyl	9.275	172	1164924	45.22	ng	0.00
79) Terphenyl-d14	13.039	244	827538	36.82	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.463	77	120	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.469	70	84801	7.48	ng	# 77
25) Isophorone	7.475	82	629331	20.88	ng	# 65
51) 2,6-Dinitrotoluene	9.957	165	48025	8.80	ng	# 31
57) 2,4-Dinitrotoluene	9.957	165	48025	7.05	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.745	198	396	5.25	ng	# 1
67) 4-Bromophenyl-phenylether	10.745	248	12035	2.02	ng	# 1
75) Fluoranthene	12.663	202	204855	6.79	ng	98
78) Pyrene	12.898	202	191877	5.84	ng	97
81) Benzo(a)anthracene	14.086	228	132520	5.32	ng	98
83) Chrysene	14.121	228	126677	4.92	ng	96
87) Indeno(1,2,3-cd)pyrene	17.121	276	65784	2.88	ng	99
88) Benzo(b)fluoranthene	15.162	252	246493	9.71	ng	97
89) Benzo(k)fluoranthene	15.162	252	246493	10.27	ng	97
90) Benzo(a)pyrene	15.539	252	118128	5.39	ng	97
92) Benzo(g,h,i)perylene	17.586	276	61340	3.16	ng	99

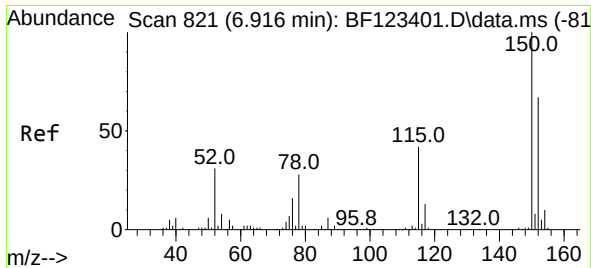
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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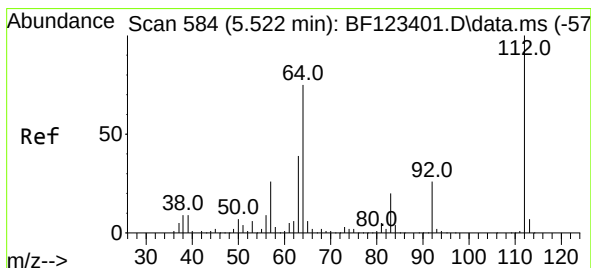
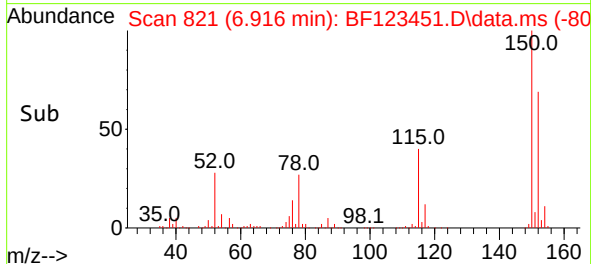
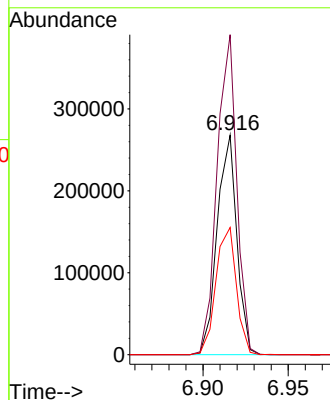
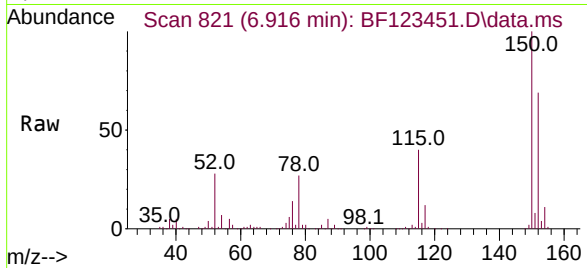




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.916 min Scan# 821
Delta R.T. -0.000 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34

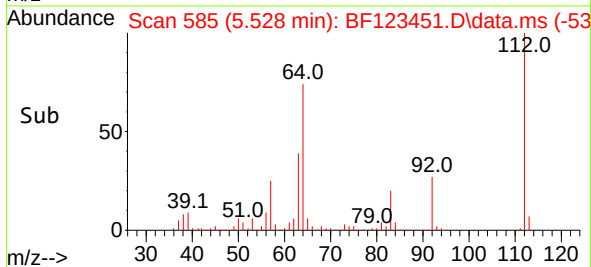
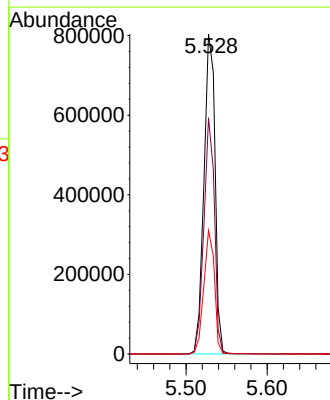
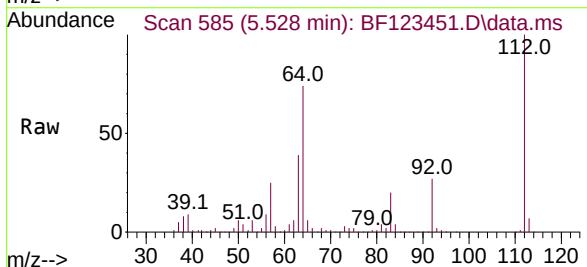
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BNA_F
ClientSampleId :
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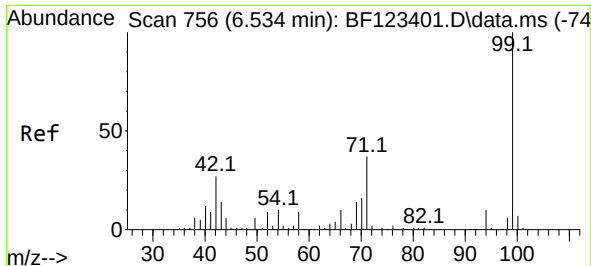
Tgt Ion:152 Resp: 215505
Ion Ratio Lower Upper
152 100
150 145.8 125.8 188.6
115 58.0 49.3 73.9



#5
2-Fluorophenol
Concen: 58.07 ng
RT: 5.528 min Scan# 585
Delta R.T. -0.000 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34

Tgt Ion:112 Resp: 764989
Ion Ratio Lower Upper
112 100
64 73.8 46.9 70.3#
63 38.6 24.5 36.7#

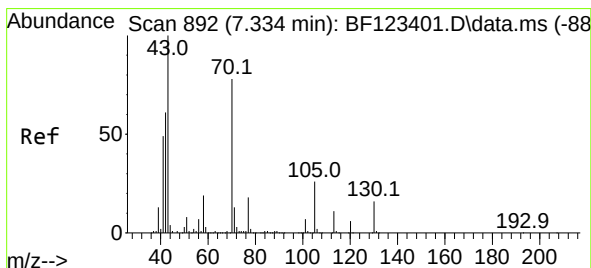
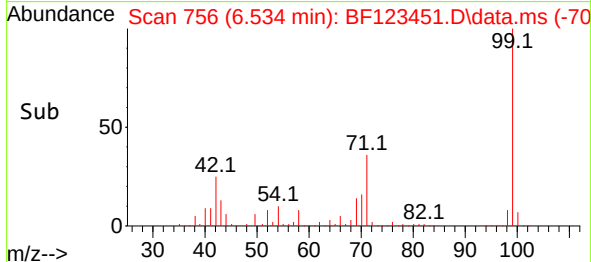
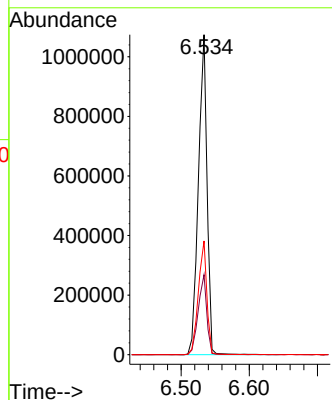
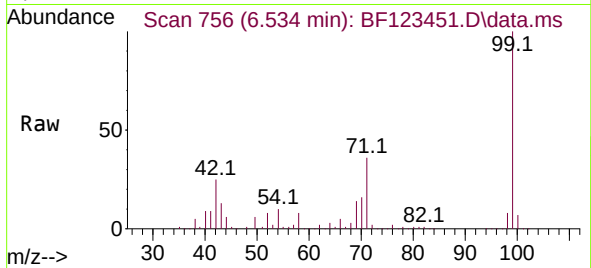




#7
Phenol-d6
Concen: 53.77 ng
RT: 6.534 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34

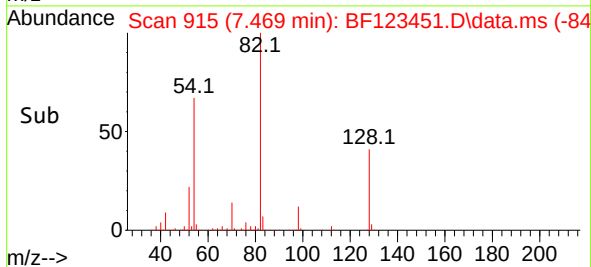
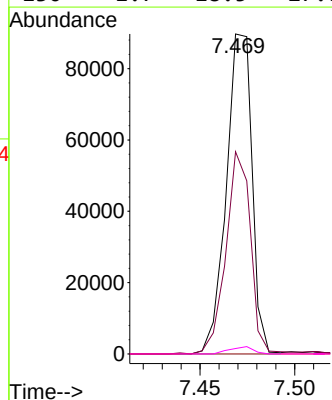
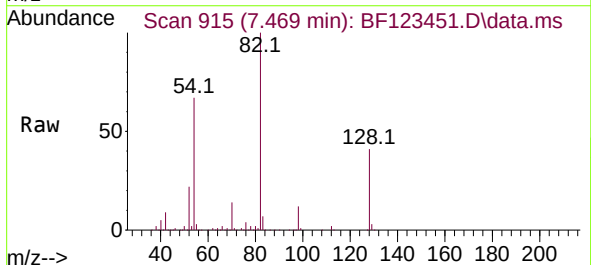
Instrument :
BNA_F
ClientSampleId :
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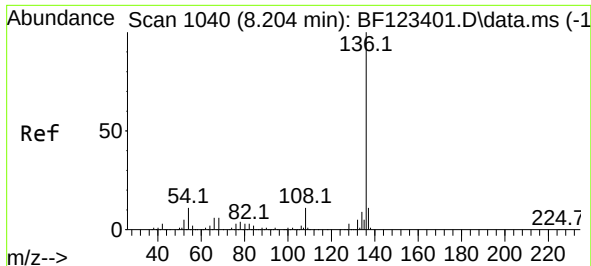
Tgt Ion: 99 Resp: 942836
Ion Ratio Lower Upper
99 100
42 25.0 13.8 20.6#
71 35.6 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 7.48 ng
RT: 7.469 min Scan# 915
Delta R.T. 0.135 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34

Tgt Ion: 70 Resp: 84801
Ion Ratio Lower Upper
70 100
42 63.2 43.0 64.4
101 0.0 7.9 11.9#
130 1.7 18.5 27.7#



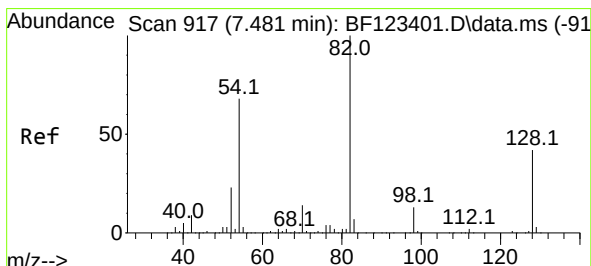
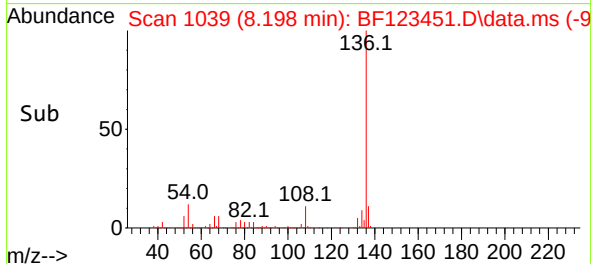
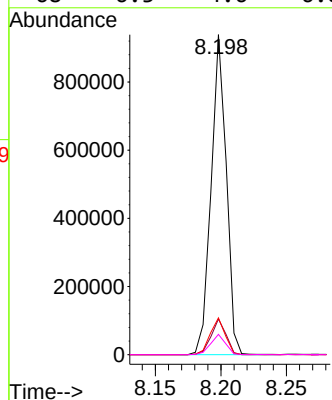
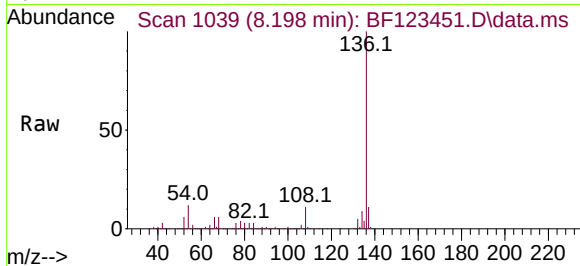


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.198 min Scan# 1039
Delta R.T. -0.000 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34

Instrument :
BNA_F
ClientSampleId :
COMP-SOIL-323

Tgt Ion:136 Resp: 756712

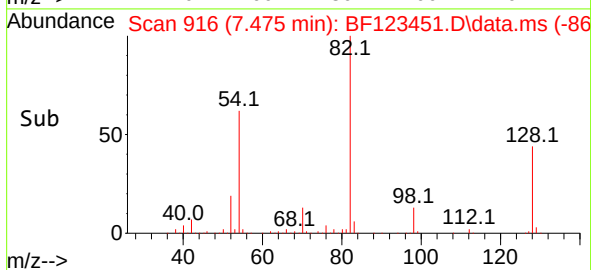
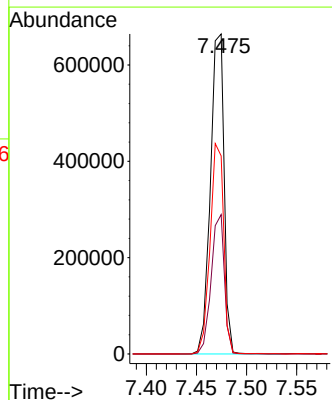
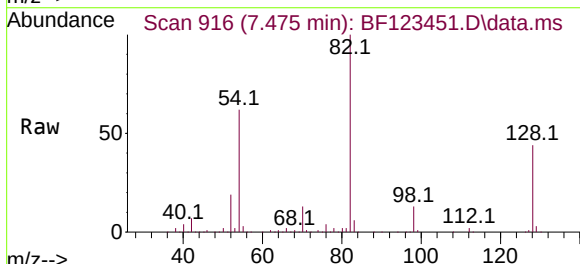
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	11.5	5.5	8.3#
68	6.3	4.6	6.8

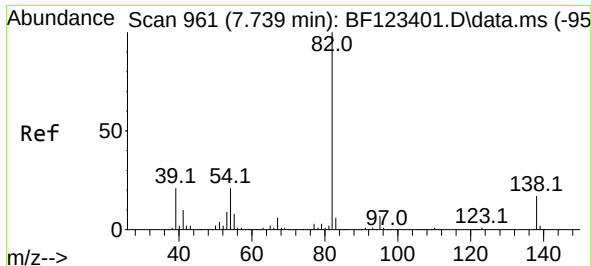


#23
Nitrobenzene-d5
Concen: 45.17 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.006 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34

Tgt Ion: 82 Resp: 633320

Ion	Ratio	Lower	Upper
82	100		
128	43.6	37.0	55.4
54	61.9	38.4	57.6#

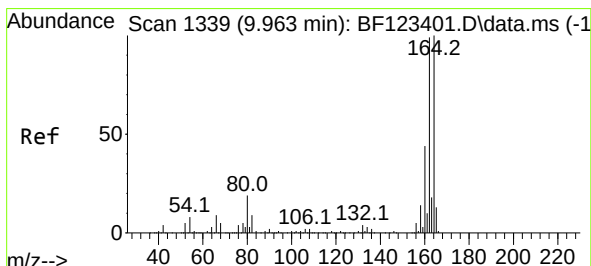
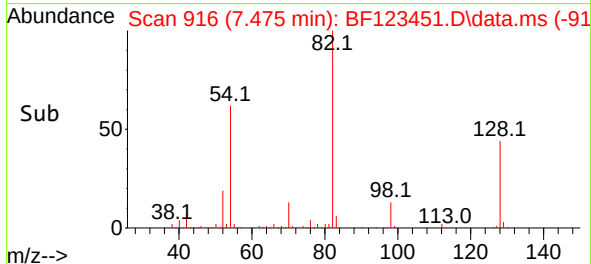
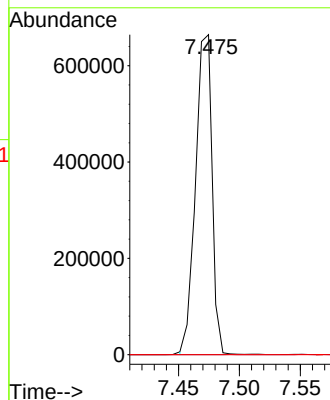
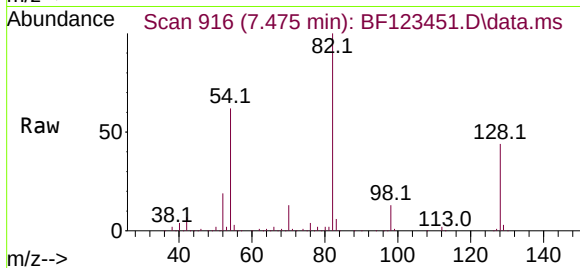




#25
Isophorone
Concen: 20.88 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.265 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34

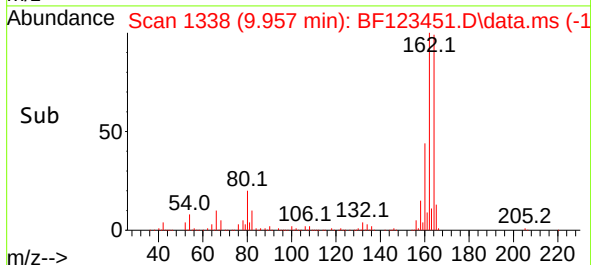
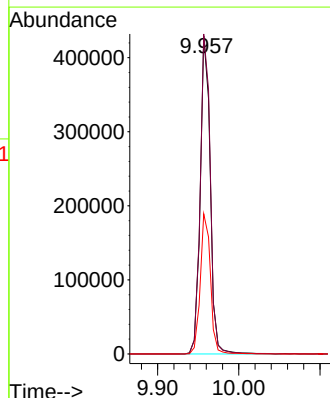
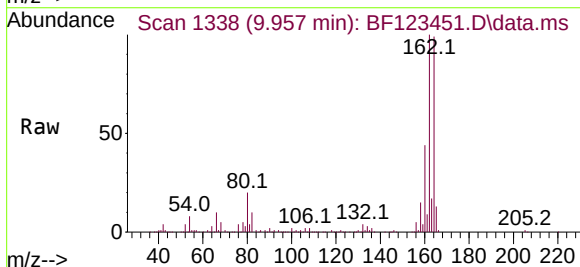
Instrument :
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COMP-SOIL-323

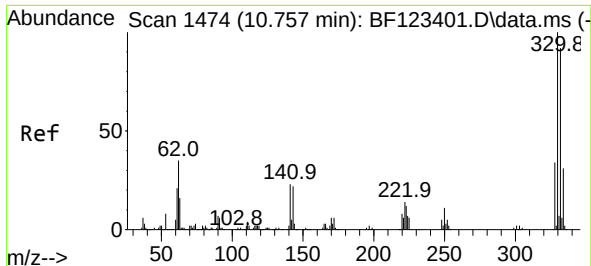
Tgt Ion: 82 Resp: 629331
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34

Tgt Ion: 164 Resp: 368030
Ion Ratio Lower Upper
164 100
162 100.6 80.8 121.2
160 44.1 35.4 53.0

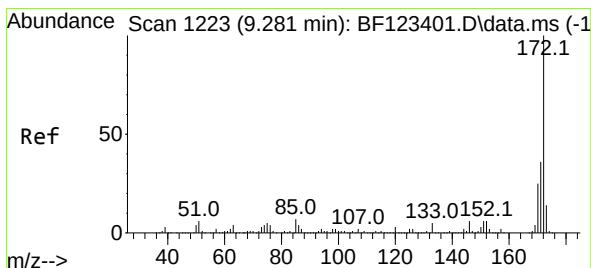
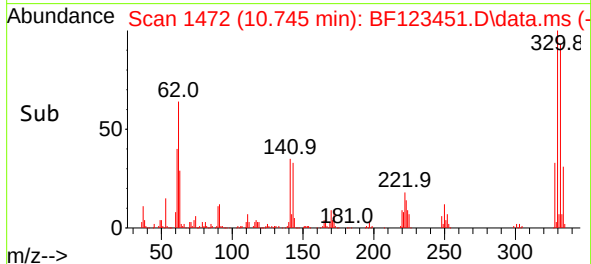
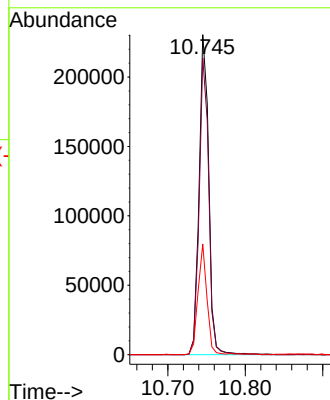
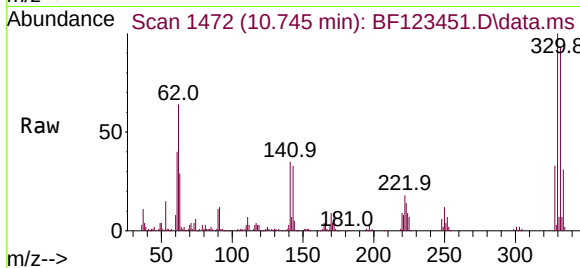




#42
2,4,6-Tribromophenol
Concen: 48.45 ng
RT: 10.745 min Scan# 1472
Delta R.T. -0.012 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34

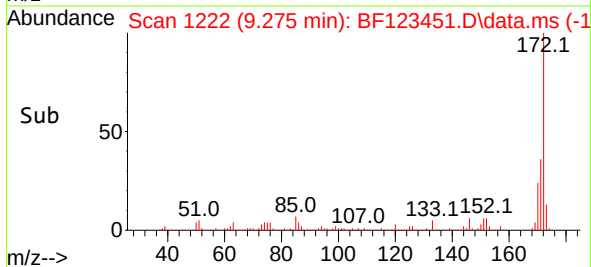
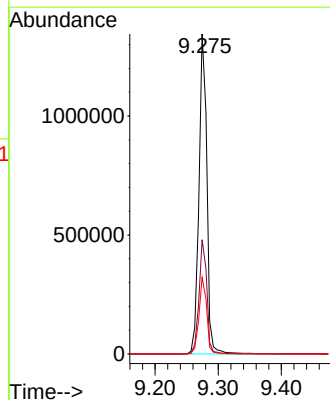
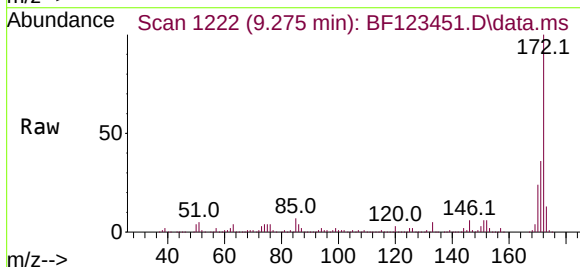
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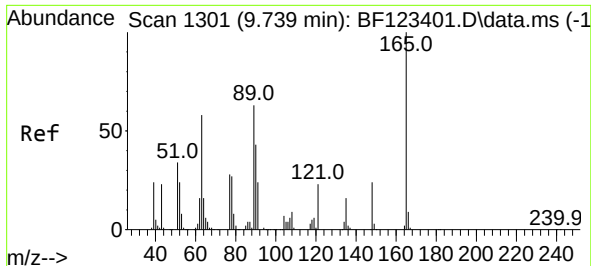
Tgt Ion: 330 Resp: 199367
Ion Ratio Lower Upper
330 100
332 92.1 77.5 116.3
141 32.1 23.8 35.8



#45
2-Fluorobiphenyl
Concen: 45.22 ng
RT: 9.275 min Scan# 1222
Delta R.T. -0.006 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34

Tgt Ion: 172 Resp: 1164924
Ion Ratio Lower Upper
172 100
171 35.7 29.6 44.4
170 23.9 19.5 29.3

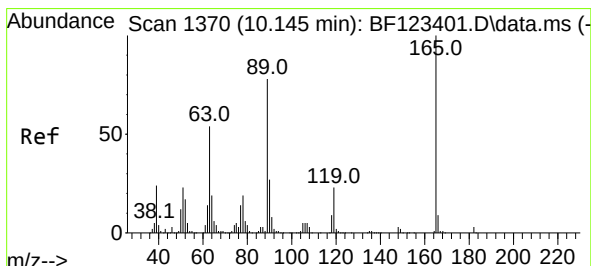
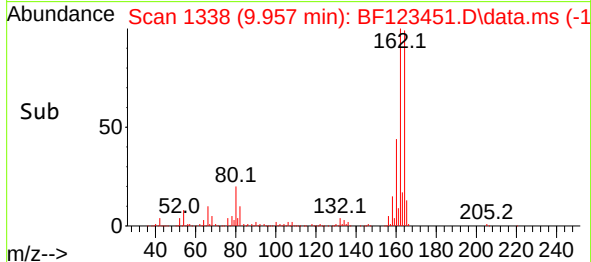
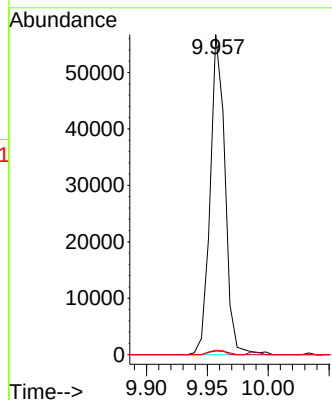
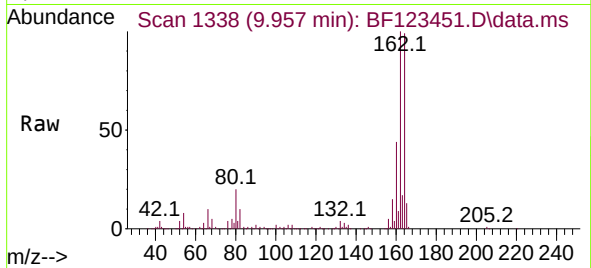




#51
2,6-Dinitrotoluene
Concen: 8.80 ng
RT: 9.957 min Scan# 1338
Delta R.T. 0.212 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34

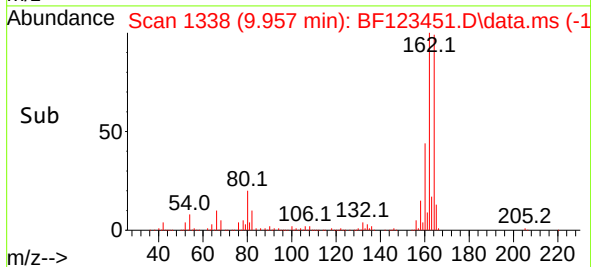
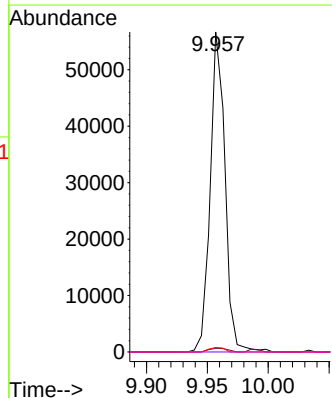
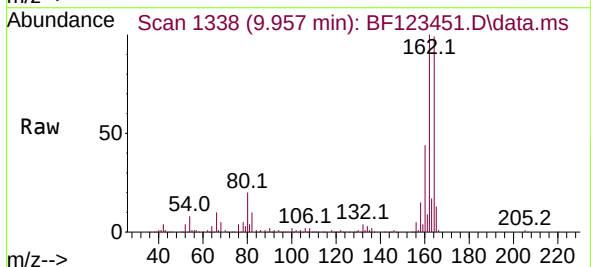
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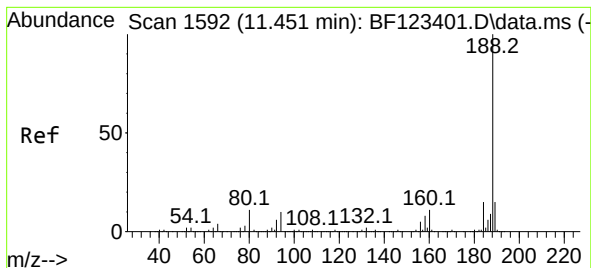
Tgt Ion:165 Resp: 48025
Ion Ratio Lower Upper
165 100
63 1.2 36.6 55.0#
89 1.4 39.4 59.0#



#57
2,4-Dinitrotoluene
Concen: 7.05 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.194 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34

Tgt Ion:165 Resp: 48025
Ion Ratio Lower Upper
165 100
63 1.2 34.3 51.5#
89 1.4 55.2 82.8#
182 0.0 2.2 3.2#

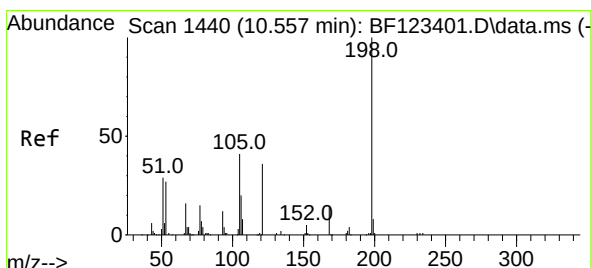
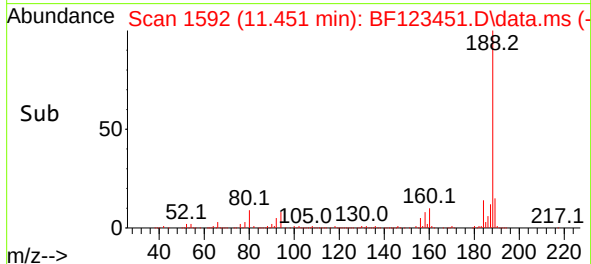
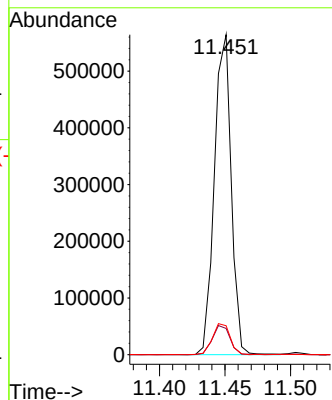
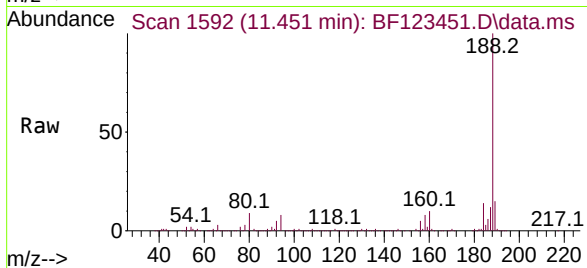




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.000 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34

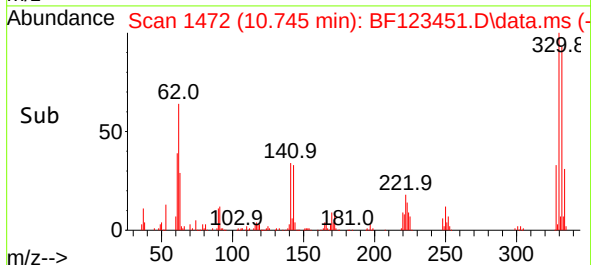
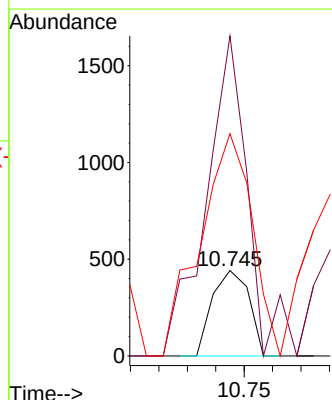
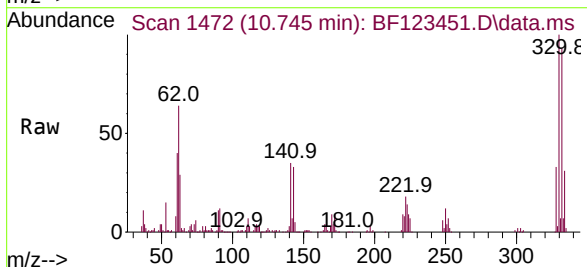
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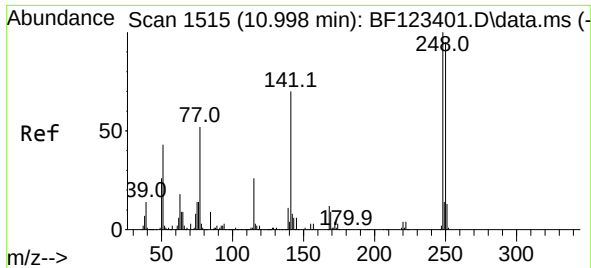
Tgt Ion:188 Resp: 503899
Ion Ratio Lower Upper
188 100
94 8.2 7.4 11.2
80 9.1 8.2 12.4



#65
4,6-Dinitro-2-methylphenol
Concen: 5.25 ng
RT: 10.745 min Scan# 1472
Delta R.T. 0.188 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34

Tgt Ion:198 Resp: 396
Ion Ratio Lower Upper
198 100
51 375.1 20.3 60.3#
105 260.5 23.0 63.0#

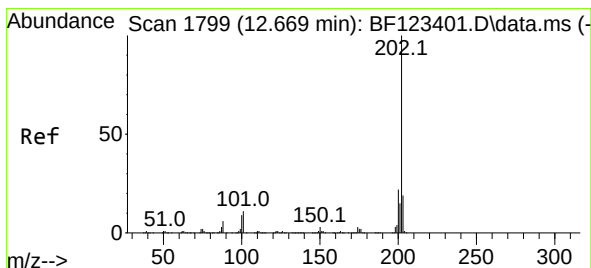
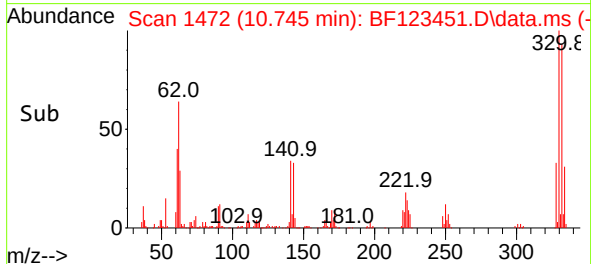
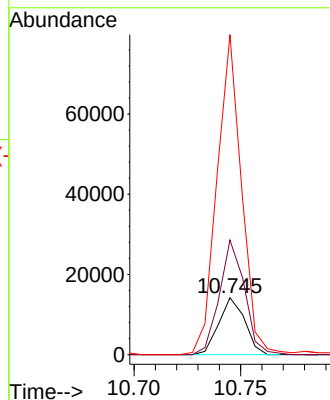
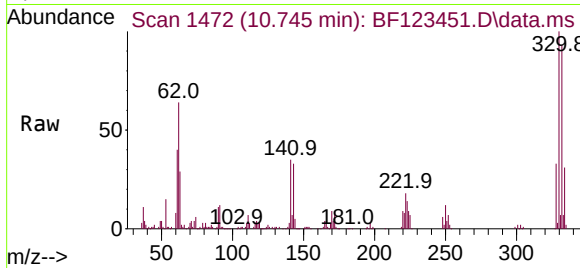




#67
4-Bromophenyl-phenylether
Concen: 2.02 ng
RT: 10.745 min Scan# 1472
Delta R.T. -0.253 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34

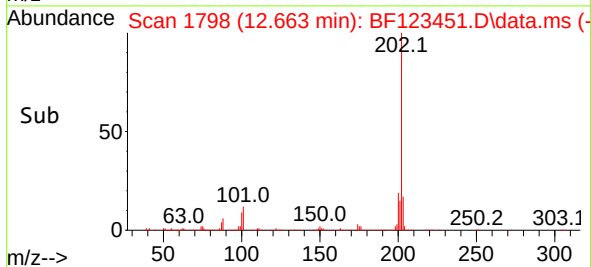
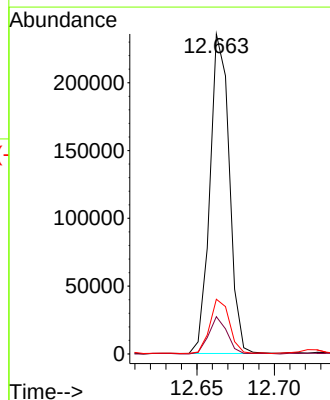
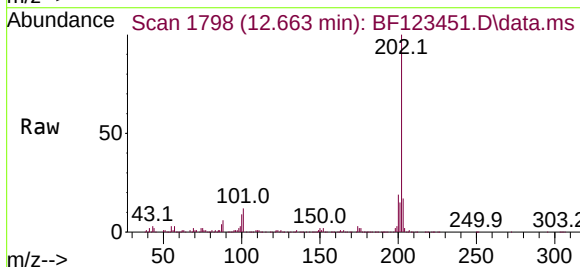
Instrument :
BNA_F
ClientSampleId :
COMP-SOIL-323

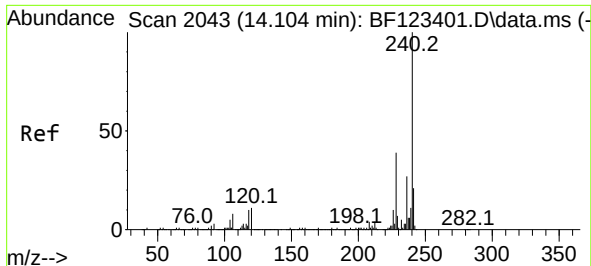
Tgt Ion:248 Resp: 12035
Ion Ratio Lower Upper
248 100
250 201.3 76.8 115.2#
141 562.3 59.8 89.8#



#75
Fluoranthene
Concen: 6.79 ng
RT: 12.663 min Scan# 1798
Delta R.T. -0.012 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34

Tgt Ion:202 Resp: 204855
Ion Ratio Lower Upper
202 100
101 11.6 0.0 32.2
203 17.1 0.0 38.1

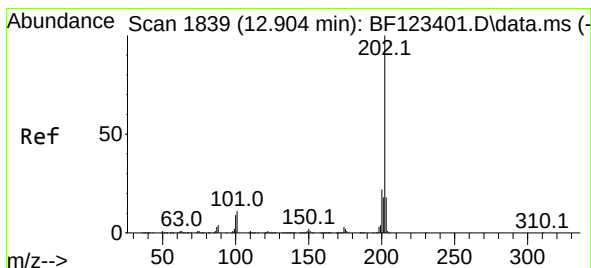
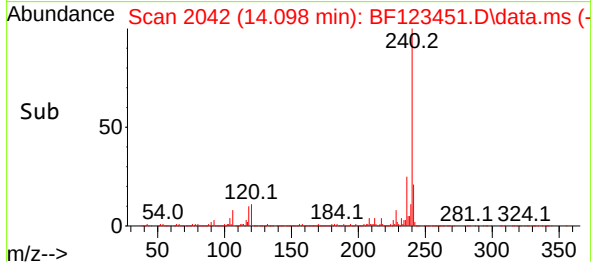
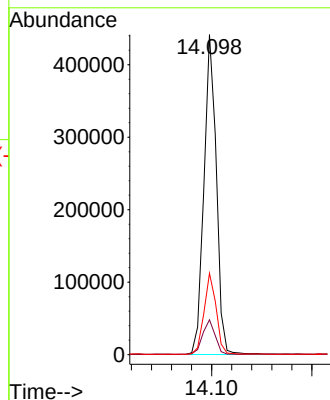
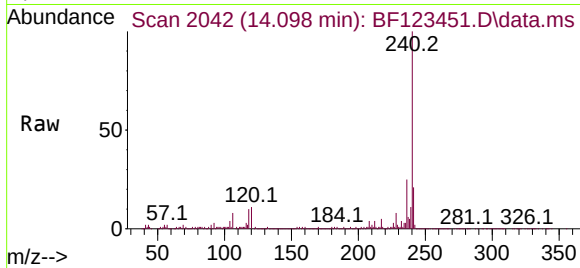




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.098 min Scan# 2042
Delta R.T. -0.012 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34

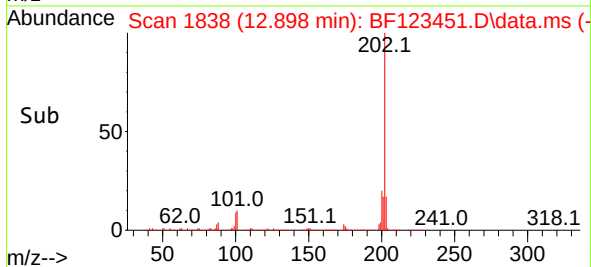
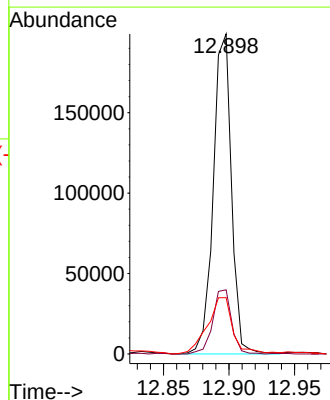
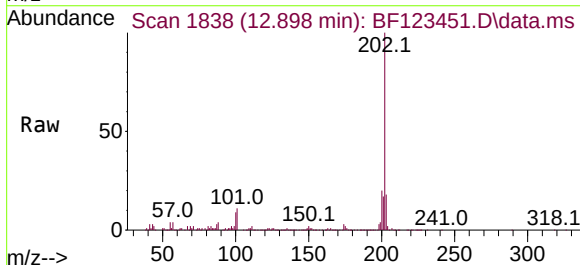
Instrument :
BNA_F
ClientSampleId :
COMP-SOIL-323

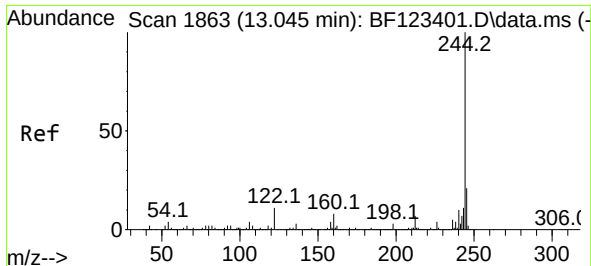
Tgt Ion:240 Resp: 380913
Ion Ratio Lower Upper
240 100
120 10.9 8.6 12.8
236 25.5 20.3 30.5



#78
Pyrene
Concen: 5.84 ng
RT: 12.898 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34

Tgt Ion:202 Resp: 191877
Ion Ratio Lower Upper
202 100
200 20.1 17.6 26.4
203 17.6 14.6 21.8

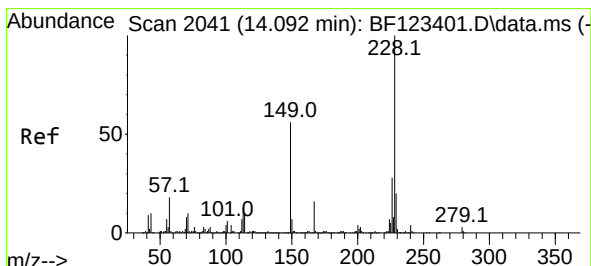
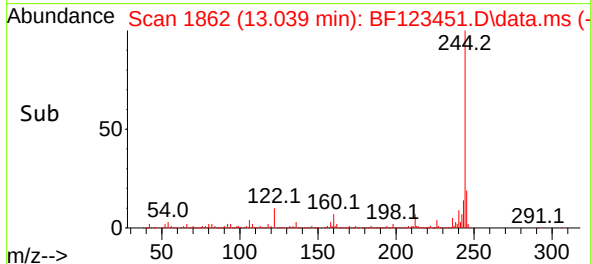
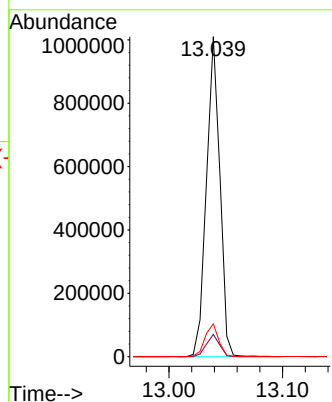
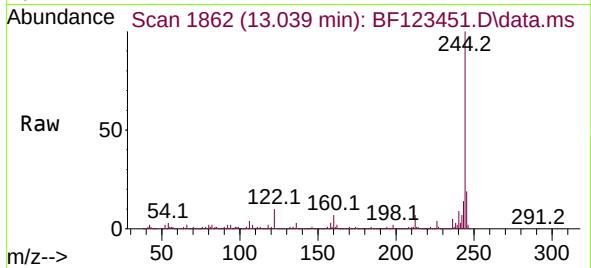




#79
Terphenyl-d14
Concen: 36.82 ng
RT: 13.039 min Scan# 1862
Delta R.T. -0.012 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34

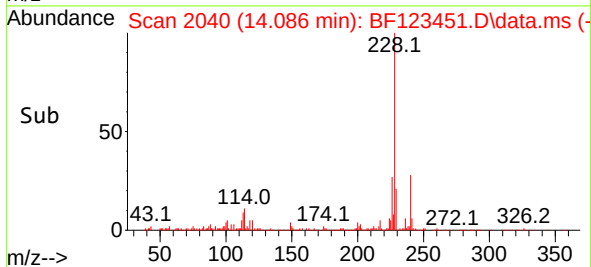
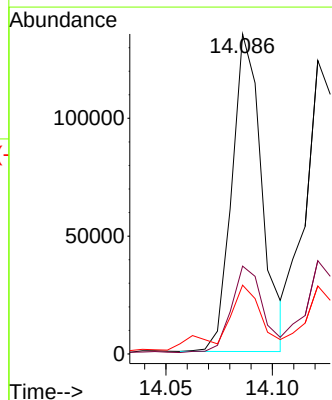
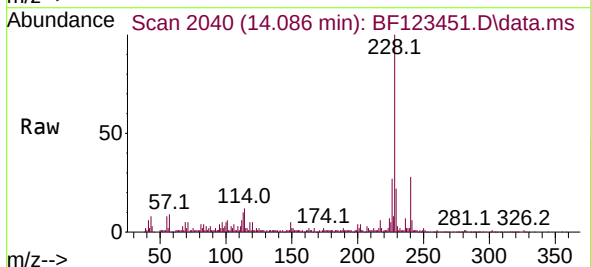
Instrument :
BNA_F
ClientSampleId :
COMP-SOIL-323

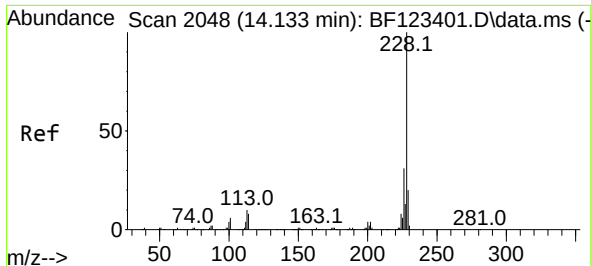
Tgt Ion:244 Resp: 827538
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 10.2 8.3 12.5



#81
Benzo(a)anthracene
Concen: 5.32 ng
RT: 14.086 min Scan# 2040
Delta R.T. -0.012 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34

Tgt Ion:228 Resp: 132520
Ion Ratio Lower Upper
228 100
226 27.5 23.0 34.4
229 21.5 16.6 24.8

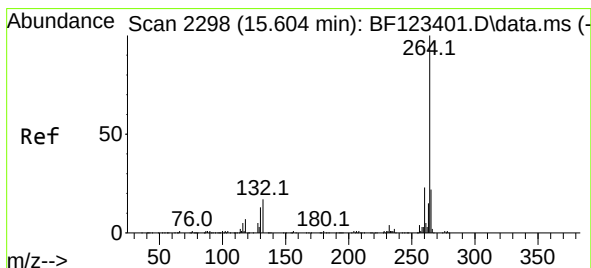
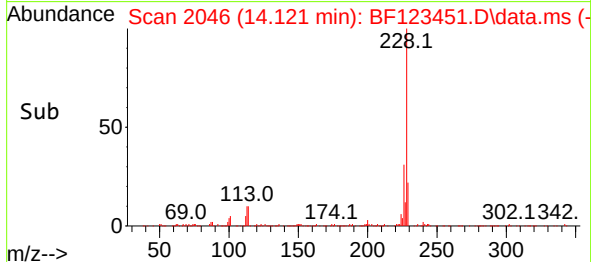
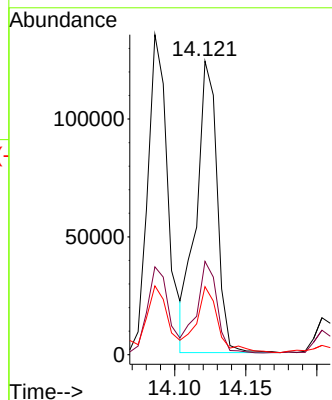
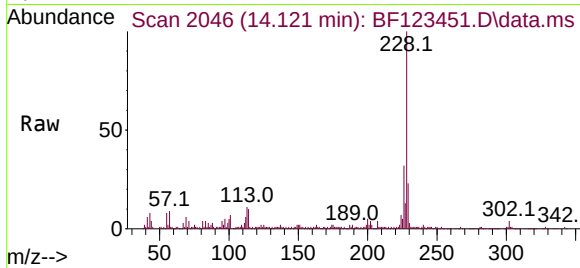




#83
Chrysene
Concen: 4.92 ng
RT: 14.121 min Scan# 2046
Delta R.T. -0.012 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34

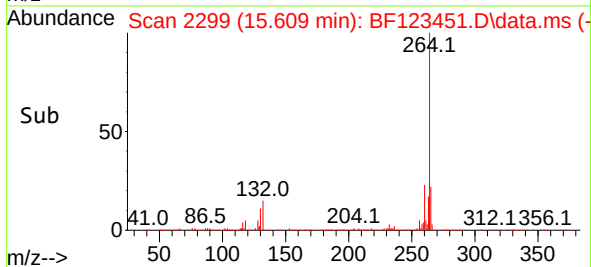
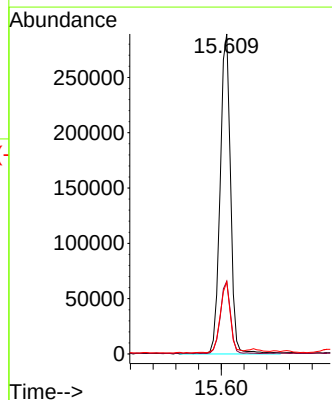
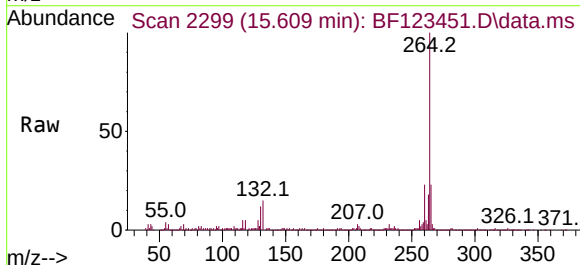
Instrument :
BNA_F
ClientSampleId :
COMP-SOIL-323

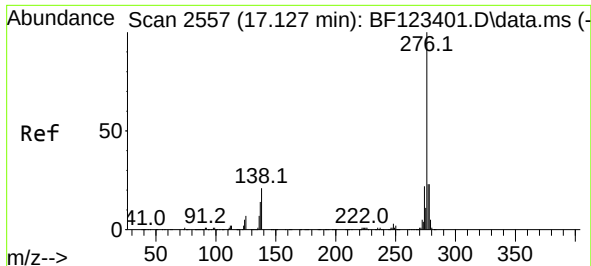
Tgt Ion:228	Resp: 126677
Ion Ratio	Lower Upper
228 100	
226 31.8	24.6 36.8
229 23.2	15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.609 min Scan# 2299
Delta R.T. -0.000 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34

Tgt Ion:264	Resp: 368018
Ion Ratio	Lower Upper
264 100	
260 22.7	18.6 28.0
265 22.6	17.0 25.6

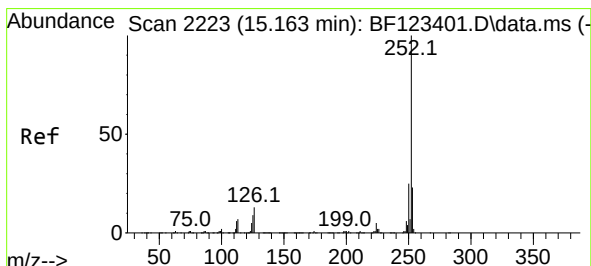
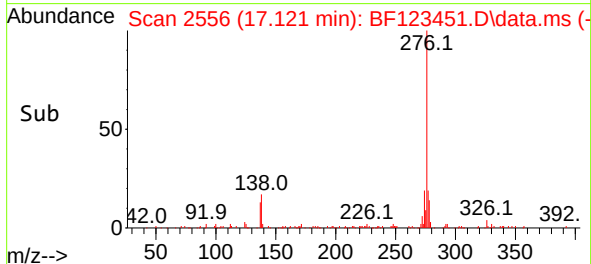
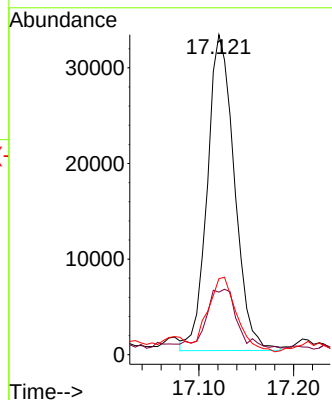
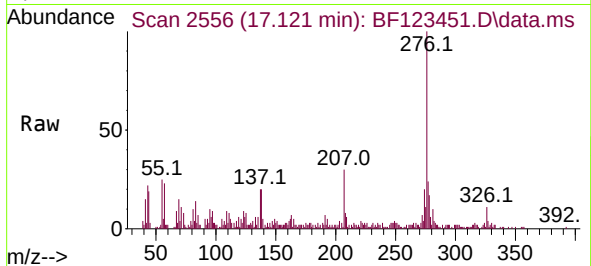




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.88 ng
RT: 17.121 min Scan# 2556
Delta R.T. -0.012 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34

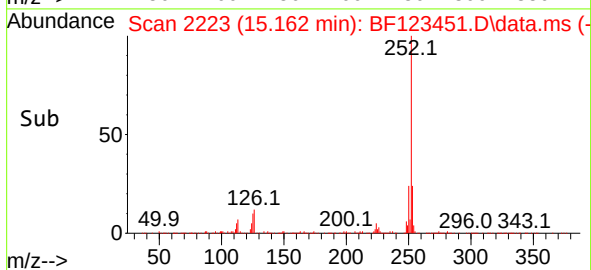
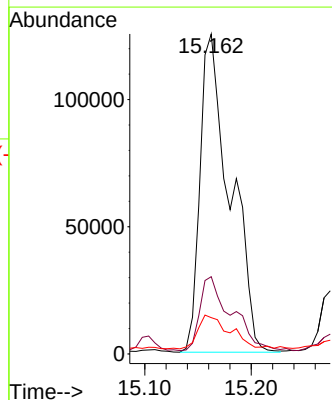
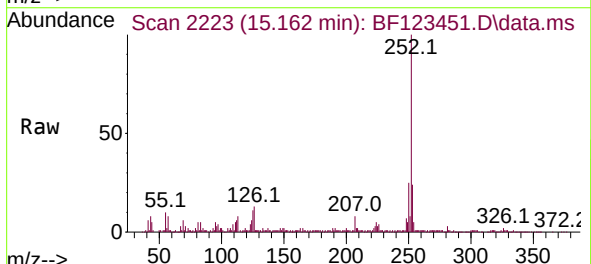
Instrument :
BNA_F
ClientSampleId :
COMP-SOIL-323

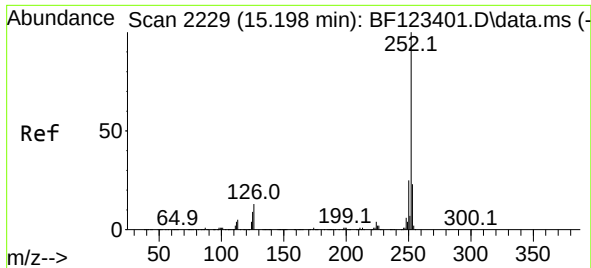
Tgt Ion:276 Resp: 65784
Ion Ratio Lower Upper
276 100
138 22.5 18.7 28.1
277 24.9 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 9.71 ng
RT: 15.162 min Scan# 2223
Delta R.T. -0.006 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34

Tgt Ion:252 Resp: 246493
Ion Ratio Lower Upper
252 100
253 24.1 18.3 27.5
125 11.4 8.1 12.1

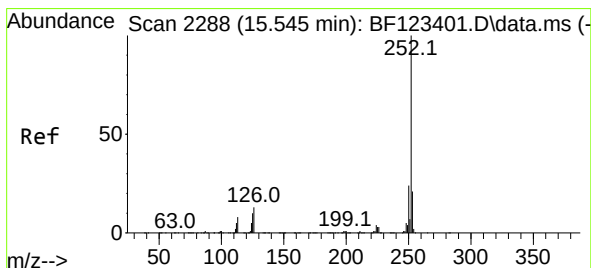
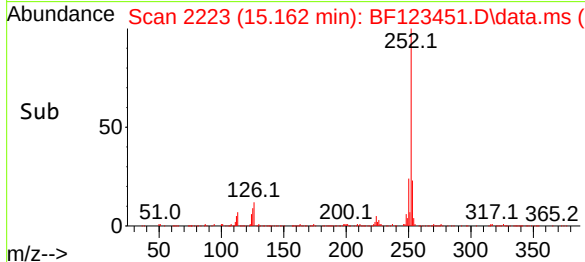
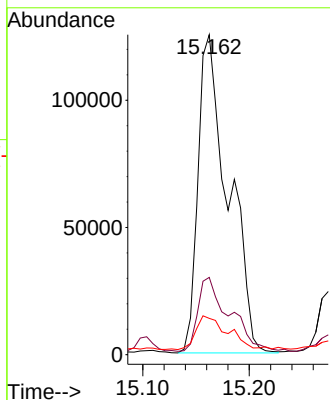
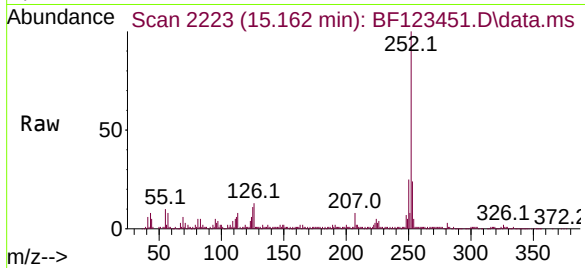




#89
Benzo(k)fluoranthene
Concen: 10.27 ng
RT: 15.162 min Scan# 2223
Delta R.T. -0.035 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34

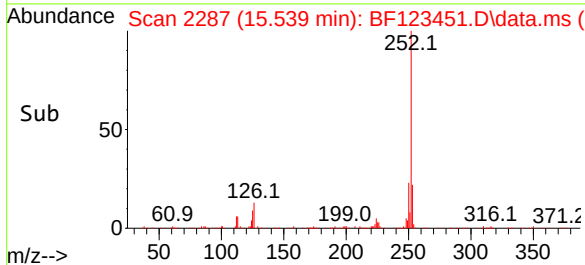
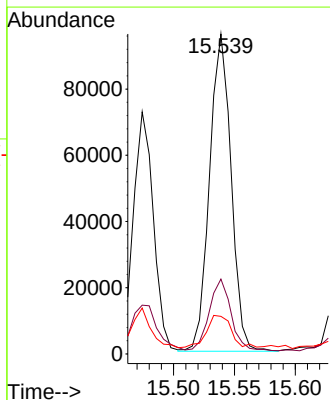
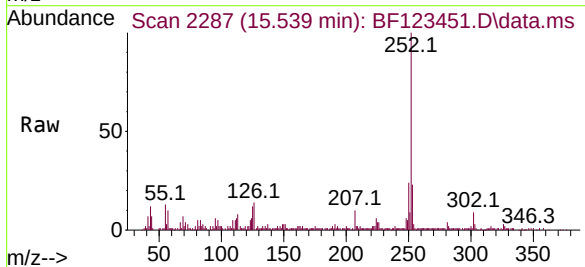
Instrument :
BNA_F
ClientSampleId :
COMP-SOIL-323

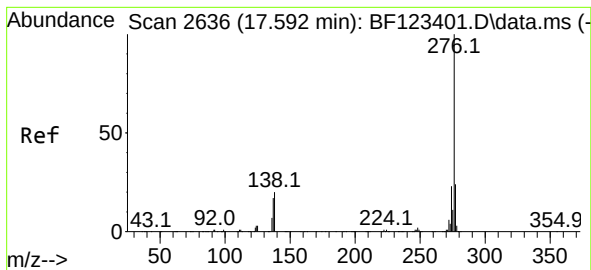
Tgt Ion:252 Resp: 246493
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.8
125 11.4 8.4 12.6



#90
Benzo(a)pyrene
Concen: 5.39 ng
RT: 15.539 min Scan# 2287
Delta R.T. -0.006 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34

Tgt Ion:252 Resp: 118128
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 11.7 8.6 12.8





#92

Benzo(g,h,i)perylene

Concen: 3.16 ng

RT: 17.586 min Scan# 2635

Delta R.T. -0.012 min

Lab File: BF123451.D

Acq: 24 Mar 2021 21:34

Tgt Ion: 276 Resp: 61340

Ion Ratio Lower Upper

276 100

277 24.0 19.3 28.9

138 19.4 16.6 24.8

