

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

Manual Integrations
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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
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	189873m	7.48	ng	
89) Benzo(k)fluoranthene	15.186	252	55845m	2.33	ng	
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

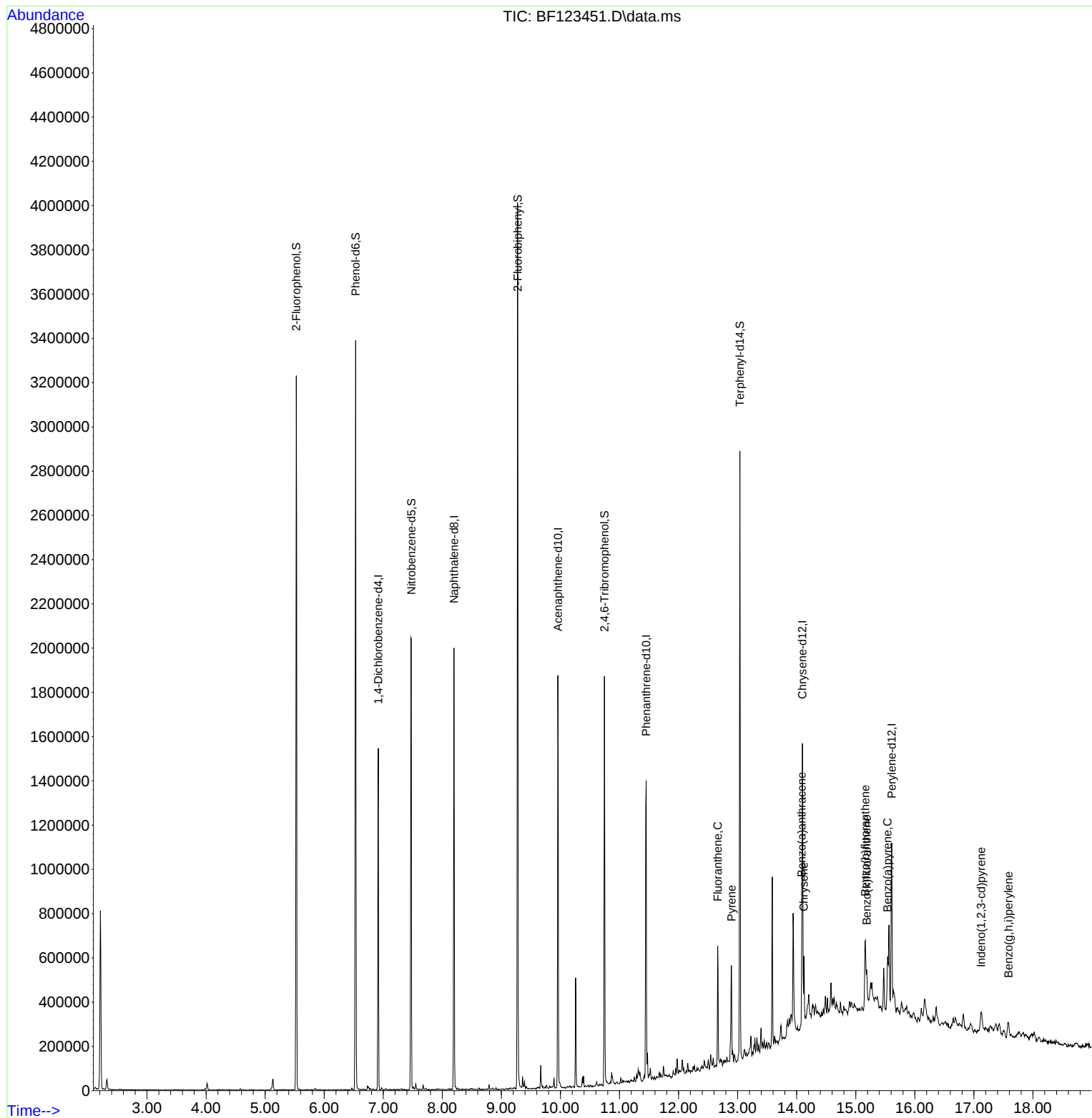
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
Data File : BF123451.D
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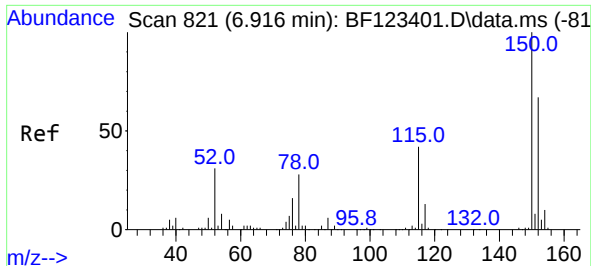
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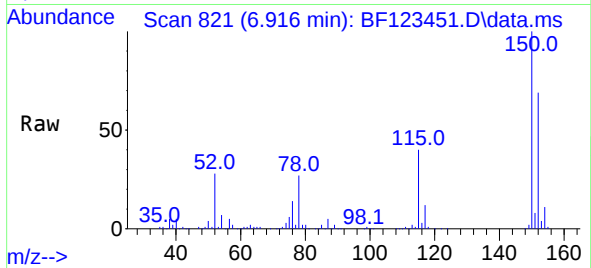
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
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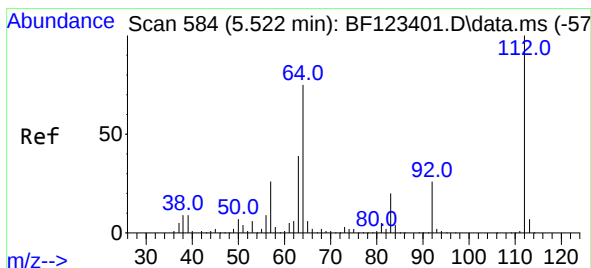
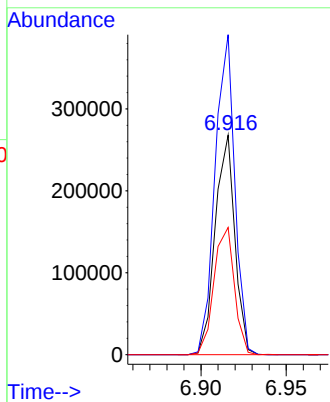
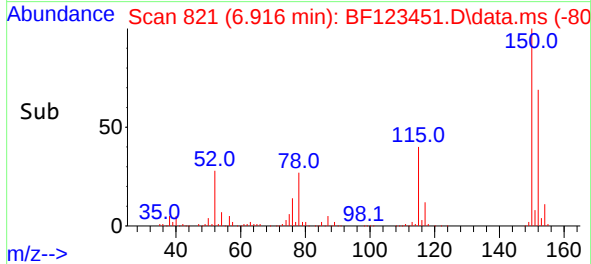




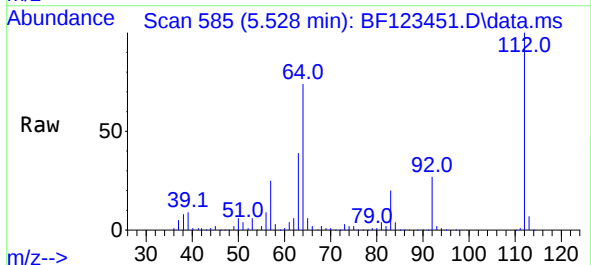
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.916 min Scan# 821
Delta R.T. -0.000 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34



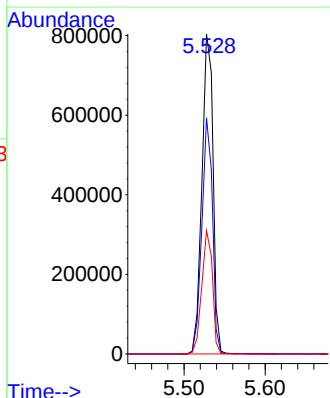
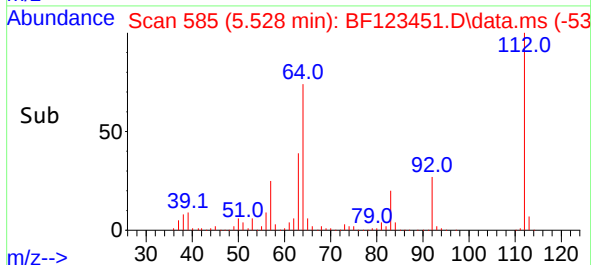
Tgt Ion:152 Resp: 215505
Ion Ratio Lower Upper
152 100
150 145.8 125.8 188.6
115 58.0 49.3 73.9



#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



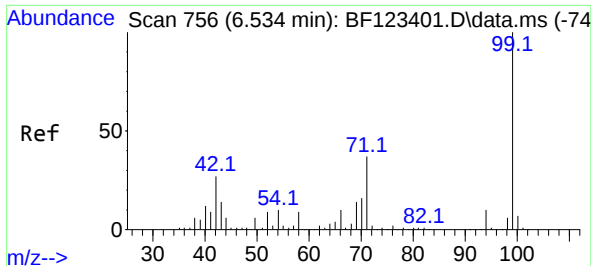
Tgt Ion:112 Resp: 764989
Ion Ratio Lower Upper
112 100
64 73.8 46.9 70.3#
63 38.6 24.5 36.7#



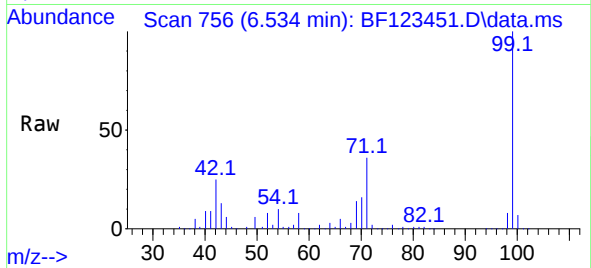
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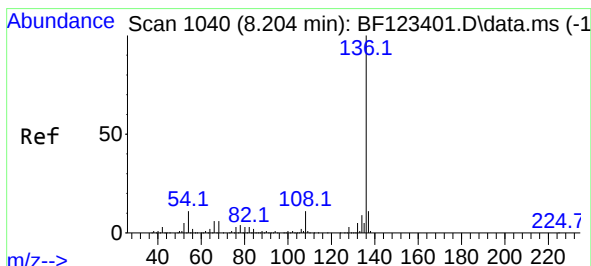
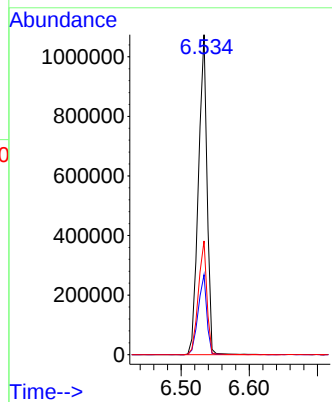
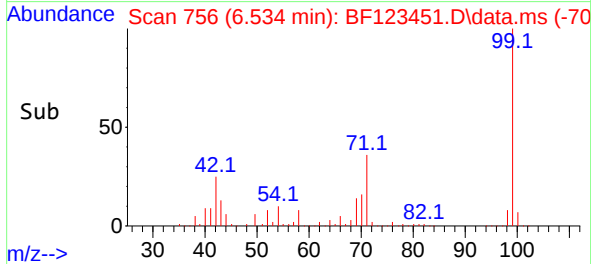
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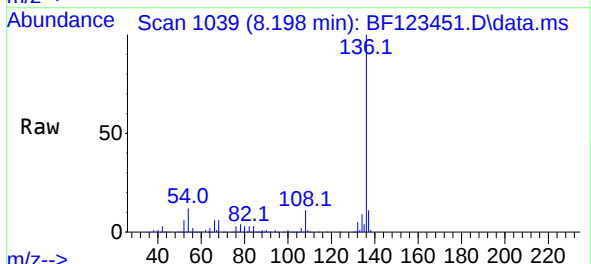
#7
Phenol-d6
Concen: 53.77 ng
RT: 6.534 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34



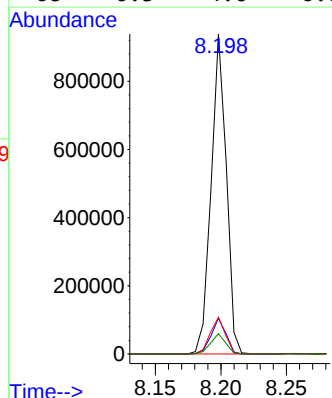
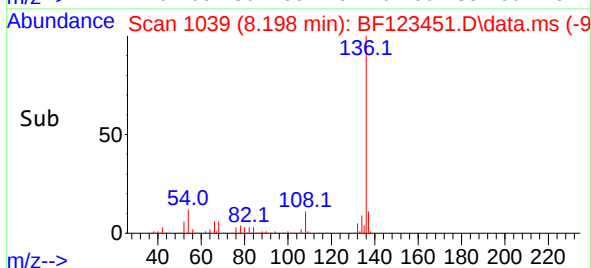
Tgt Ion: 99 Resp: 942836
Ion Ratio Lower Upper
99 100
42 25.0 13.8 20.6#
71 35.6 26.9 40.3



#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



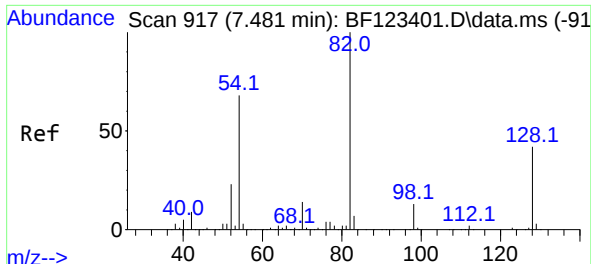
Tgt Ion: 136 Resp: 756712
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 11.5 5.5 8.3#
68 6.3 4.6 6.8



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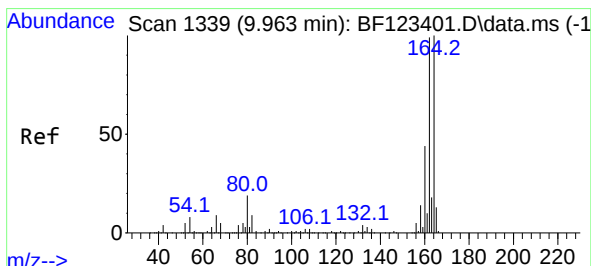
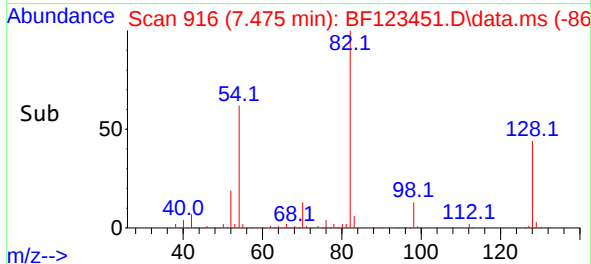
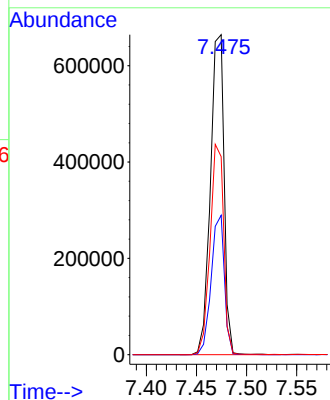
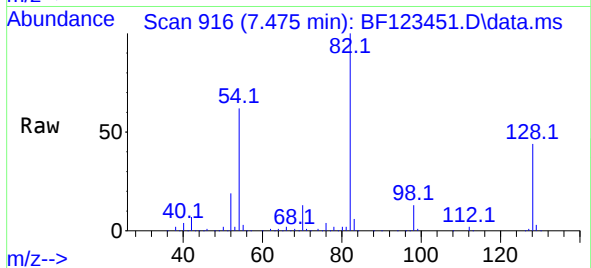
#23
Nitrobenzene-d5
Concen: 45.17 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.006 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34

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#

Instrument :
BNA_F
ClientSampleId :
COMP-SOIL-323

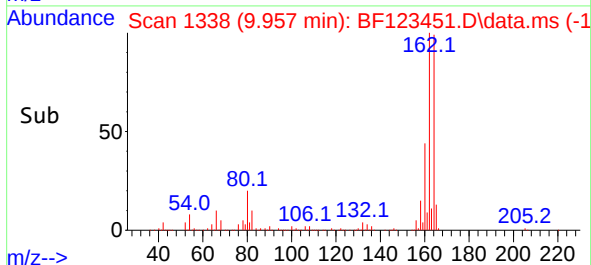
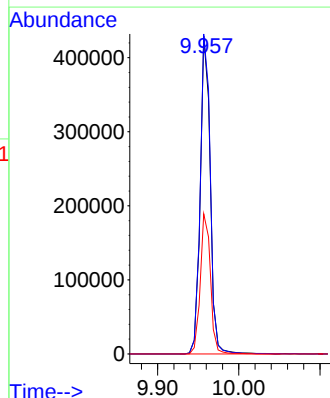
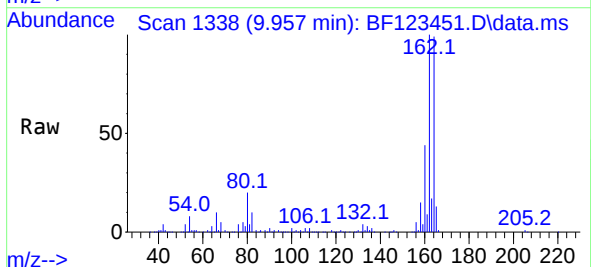
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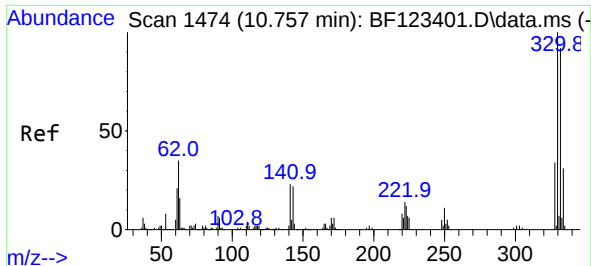
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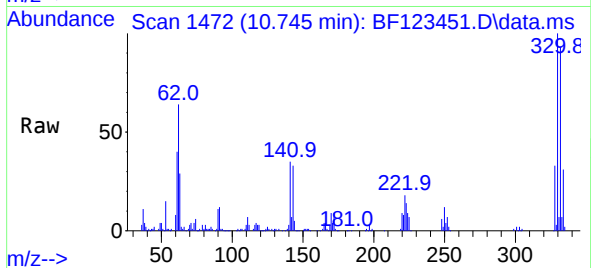
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34

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

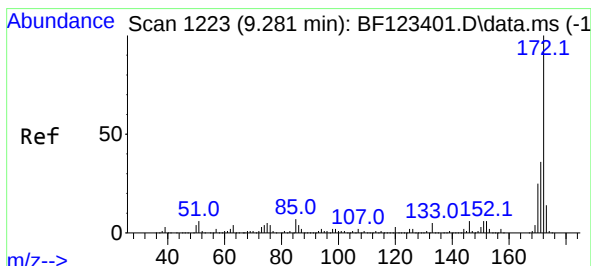
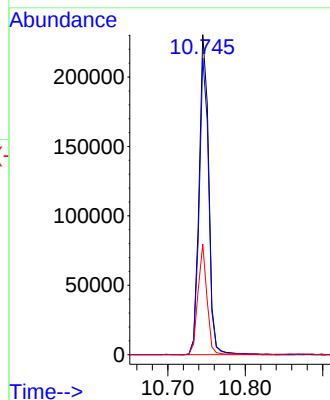
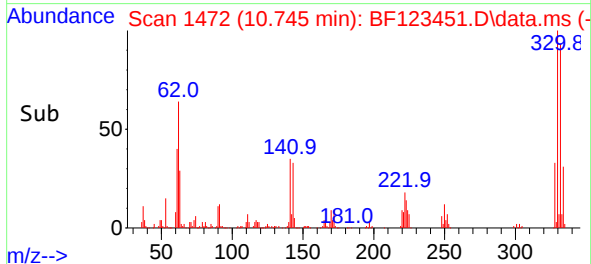




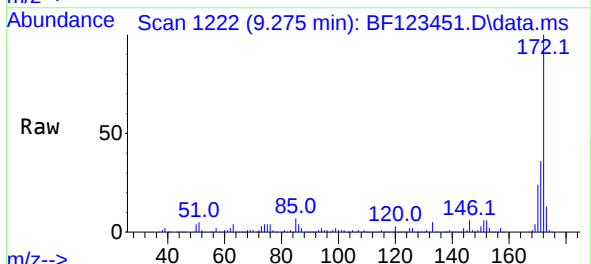
#42
2,4,6-Tribromophenol
Concen: 48.45 ng
RT: 10.745 min Scan# 1472
Delta R.T. -0.012 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34



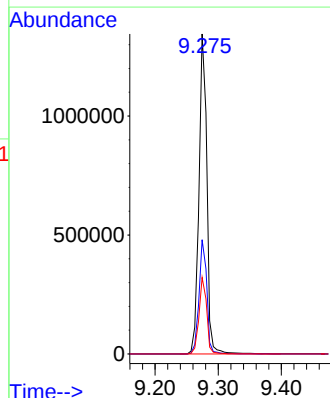
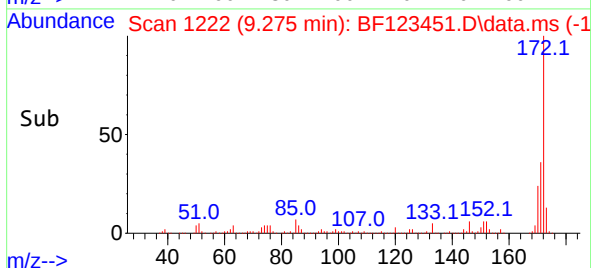
Tgt Ion: 330 Resp: 199367
Ion Ratio Lower Upper
330 100
332 92.1 77.5 116.3
141 32.1 23.8 35.8



#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



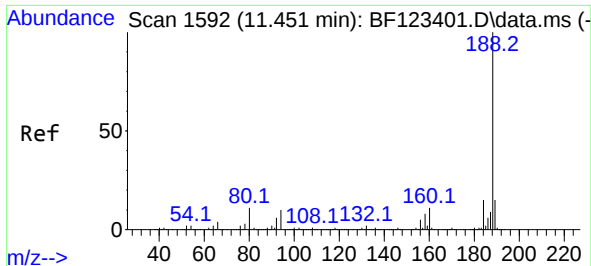
Tgt Ion: 172 Resp: 1164924
Ion Ratio Lower Upper
172 100
171 35.7 29.6 44.4
170 23.9 19.5 29.3



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COMP-SOIL-323

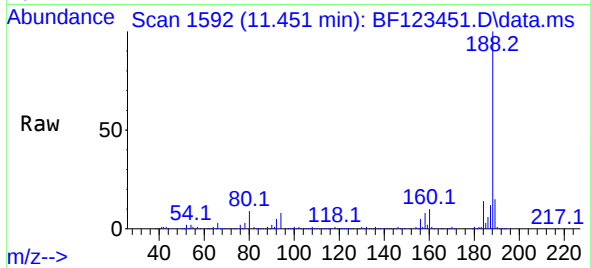
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#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.000 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34

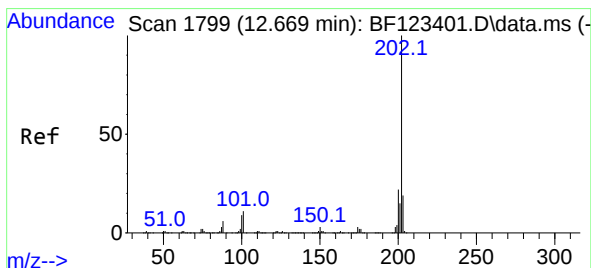
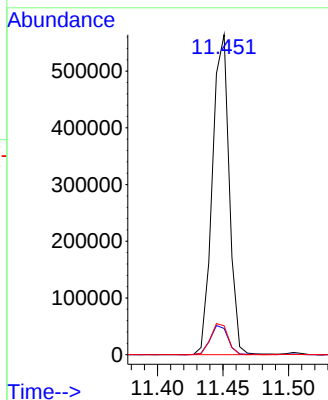
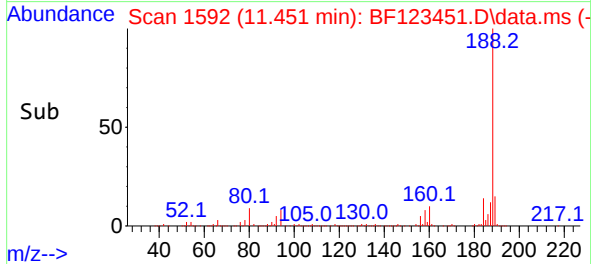
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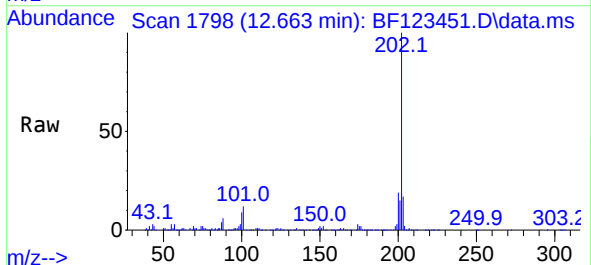
Tgt Ion:188 Resp: 503899
Ion Ratio Lower Upper
188 100
94 8.2 7.4 11.2
80 9.1 8.2 12.4

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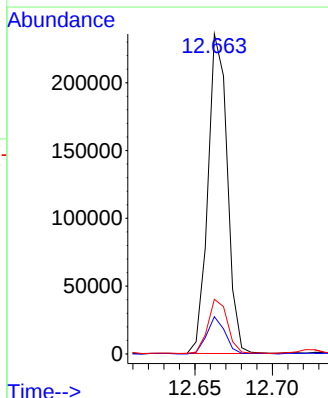
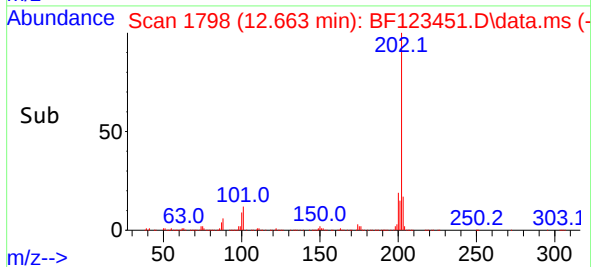
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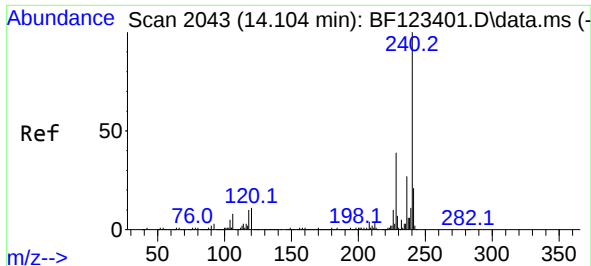


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Fluoranthene
Concen: 6.79 ng
RT: 12.663 min Scan# 1798
Delta R.T. -0.012 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34

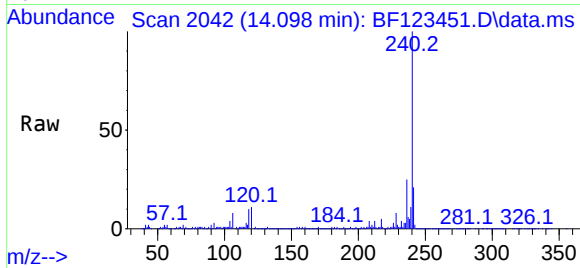


Tgt Ion:202 Resp: 204855
Ion Ratio Lower Upper
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101 11.6 0.0 32.2
203 17.1 0.0 38.1

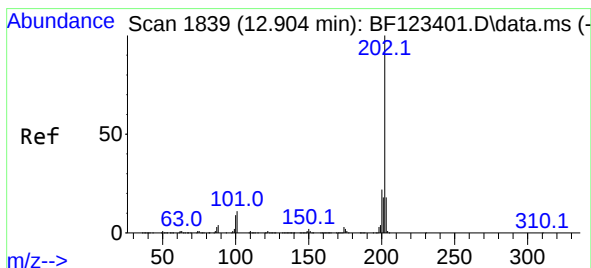
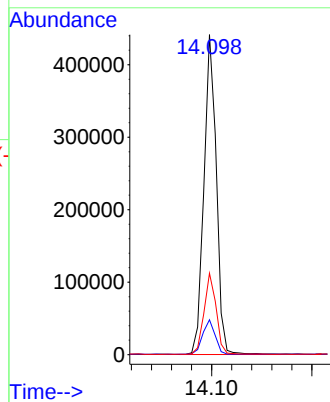
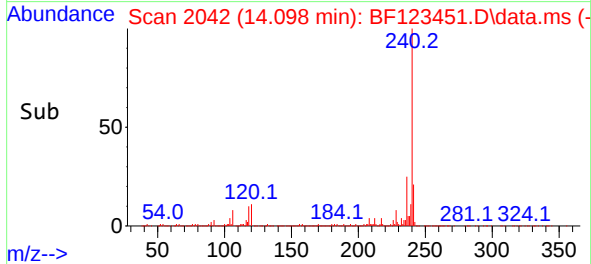




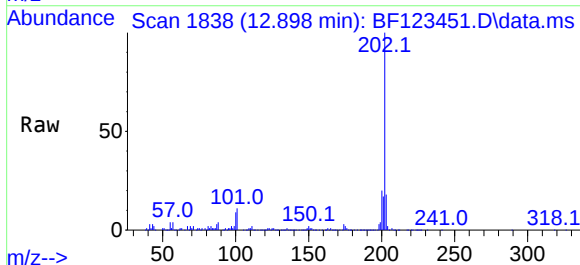
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Chrysene-d12
Concen: 20.00 ng
RT: 14.098 min Scan# 2042
Delta R.T. -0.012 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34



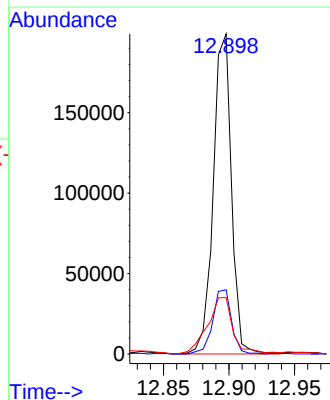
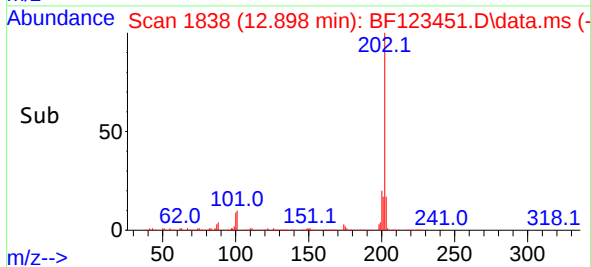
Tgt Ion:240 Resp: 380913
Ion Ratio Lower Upper
240 100
120 10.9 8.6 12.8
236 25.5 20.3 30.5



#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



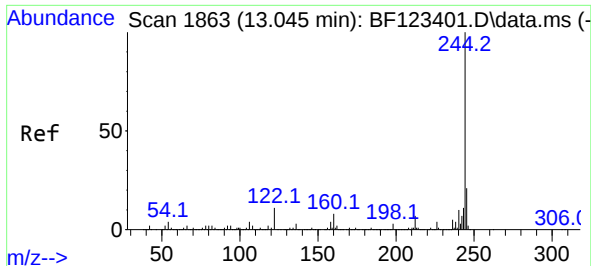
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Ion Ratio Lower Upper
202 100
200 20.1 17.6 26.4
203 17.6 14.6 21.8



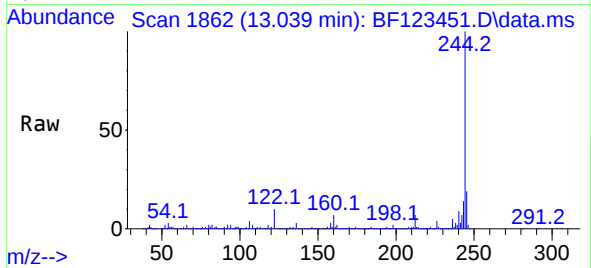
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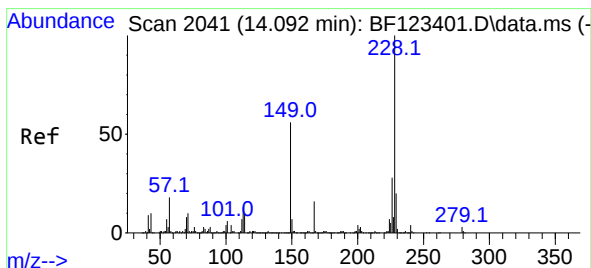
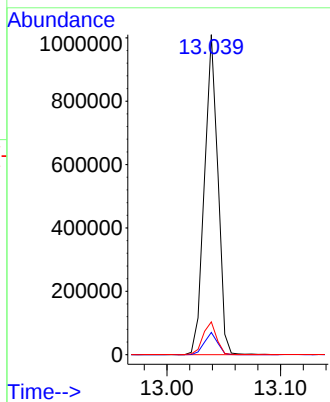
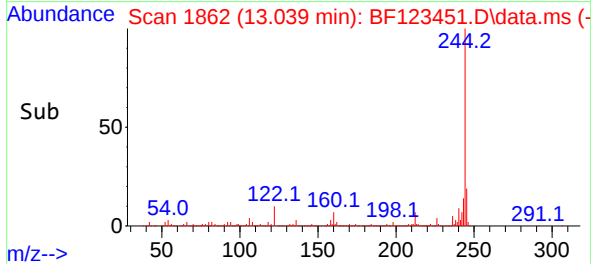
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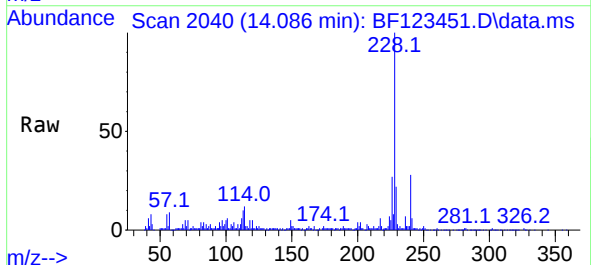
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Terphenyl-d14
Concen: 36.82 ng
RT: 13.039 min Scan# 1862
Delta R.T. -0.012 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34



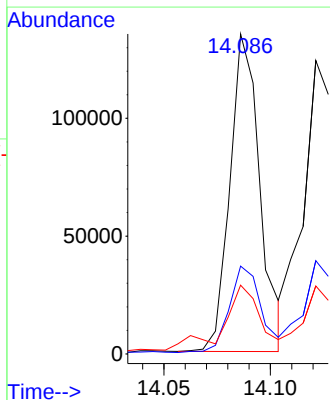
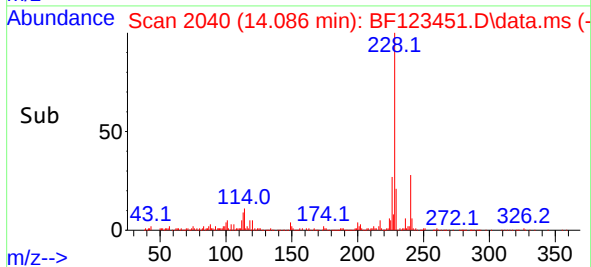
Tgt Ion:244 Resp: 827538
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 10.2 8.3 12.5



#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



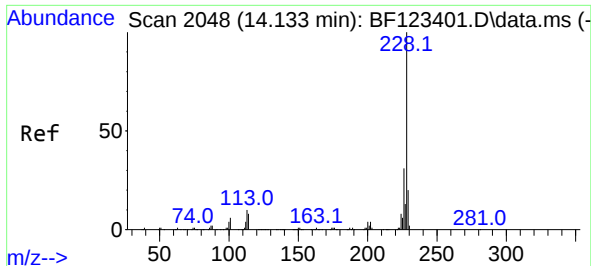
Tgt Ion:228 Resp: 132520
Ion Ratio Lower Upper
228 100
226 27.5 23.0 34.4
229 21.5 16.6 24.8



Instrument :
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3/25/2021 11:50:30 AM



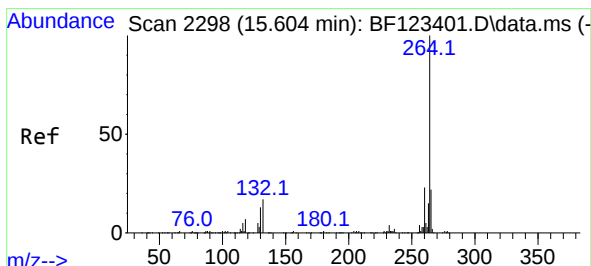
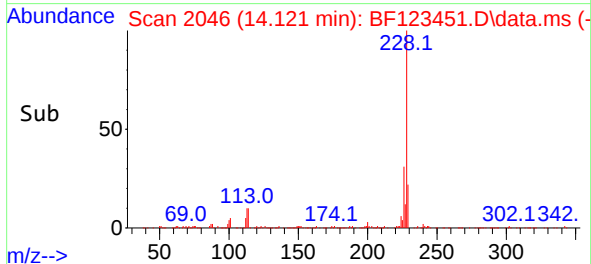
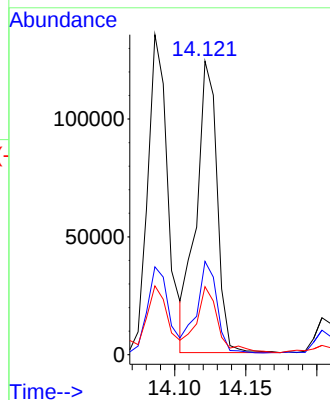
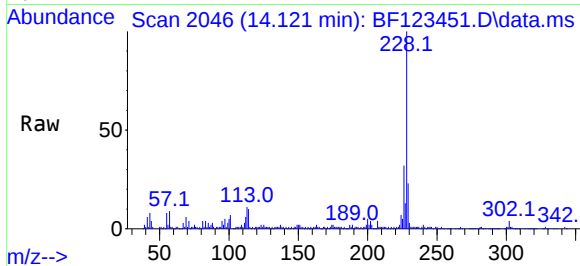
#83
Chrysene
Concen: 4.92 ng
RT: 14.121 min Scan# 2046
Delta R.T. -0.012 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34

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

Instrument :
BNA_F
ClientSampleId :
COMP-SOIL-323

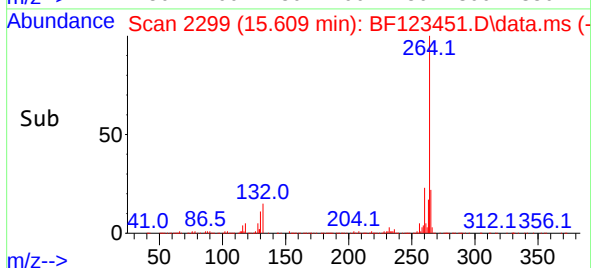
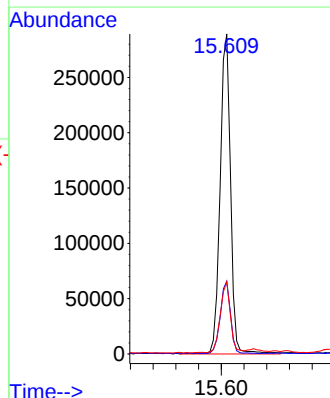
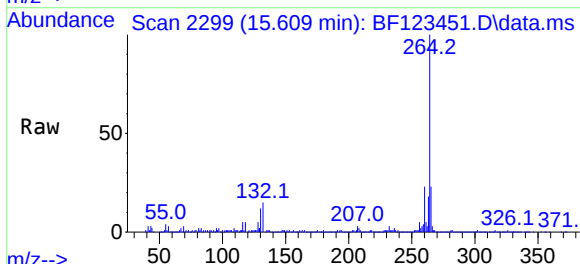
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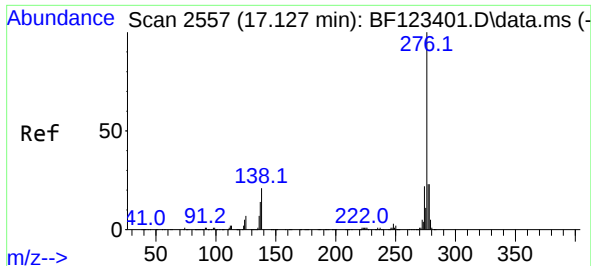
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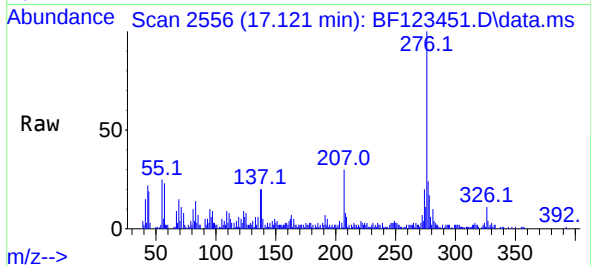
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.609 min Scan# 2299
Delta R.T. -0.000 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34

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

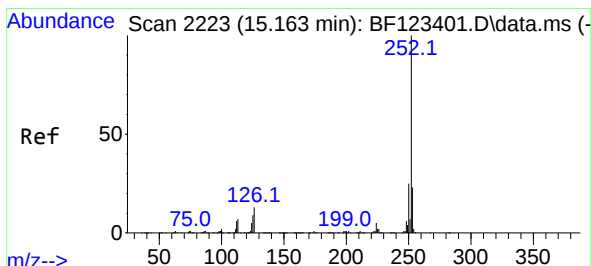
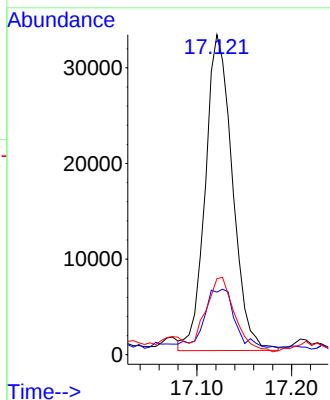
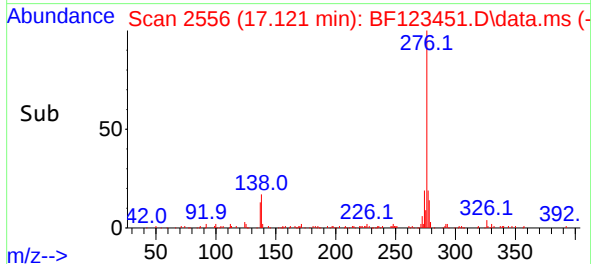




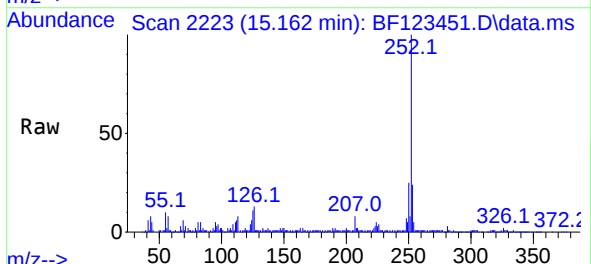
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.88 ng
RT: 17.121 min Scan# 2556
Delta R.T. -0.012 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34



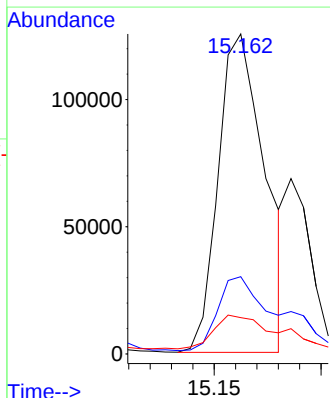
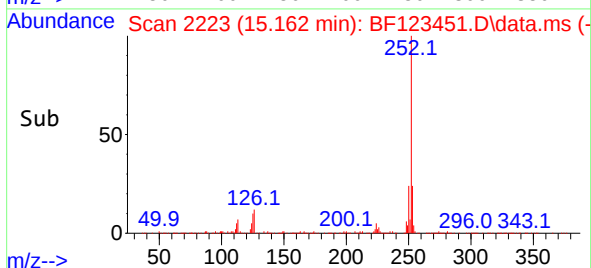
Tgt Ion:276 Resp: 65784
Ion Ratio Lower Upper
276 100
138 22.5 18.7 28.1
277 24.9 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 7.48 ng m
RT: 15.162 min Scan# 2223
Delta R.T. -0.006 min
Lab File: BF123451.D
Acq: 24 Mar 2021 21:34



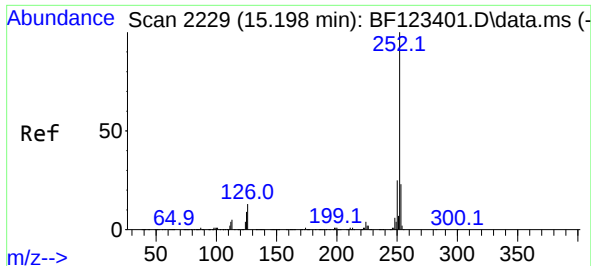
Tgt Ion:252 Resp: 189873
Ion Ratio Lower Upper
252 100
253 24.1 18.3 27.5
125 11.4 8.1 12.1



Instrument :
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ClientSampleId :
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#89

Benzo(k)fluoranthene

Concen: 2.33 ng m

RT: 15.186 min Scan# 2227

Delta R.T. -0.012 min

Lab File: BF123451.D

Acq: 24 Mar 2021 21:34

Tgt Ion:	252	Resp:	55845
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.8	26.8
125	14.5	8.4	12.6#

Instrument :

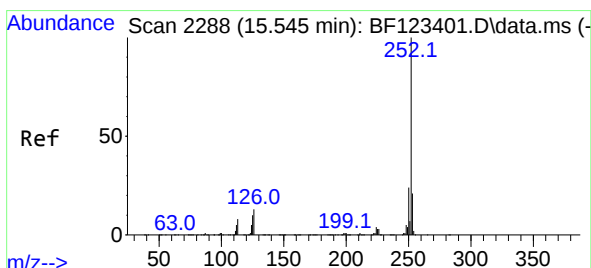
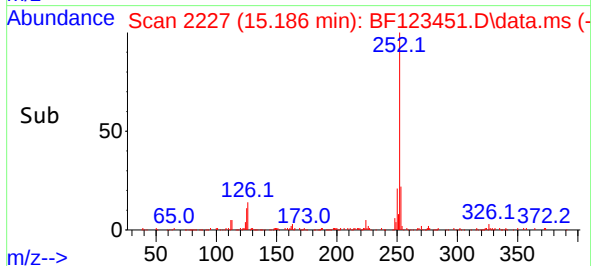
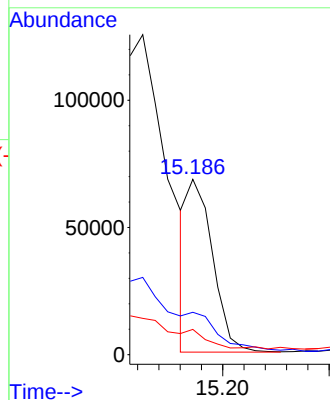
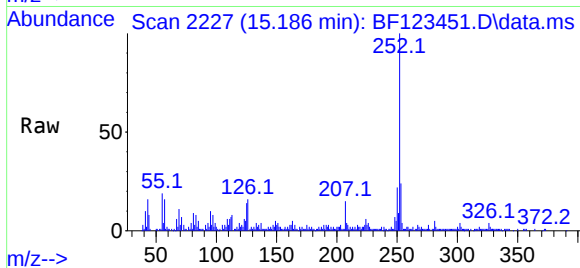
BNA_F

ClientSampleId :

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#90

Benzo(a)pyrene

Concen: 5.39 ng

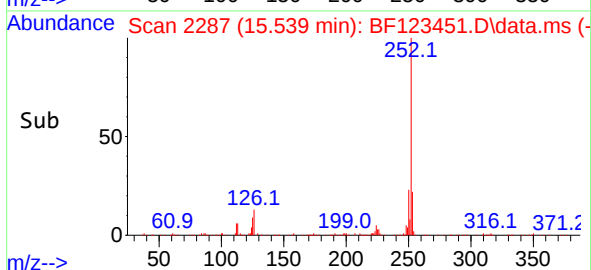
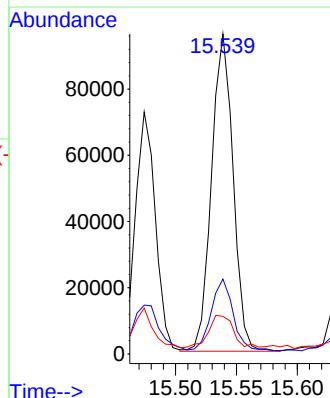
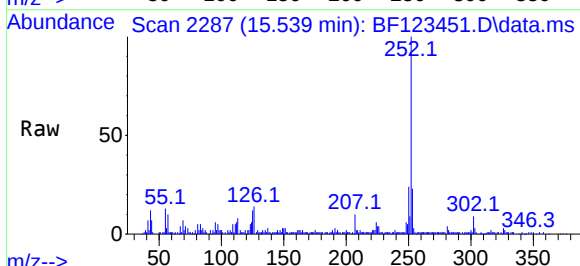
RT: 15.539 min Scan# 2287

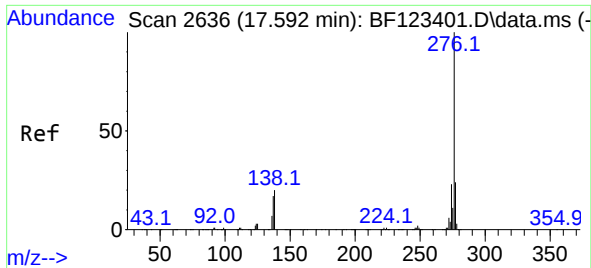
Delta R.T. -0.006 min

Lab File: BF123451.D

Acq: 24 Mar 2021 21:34

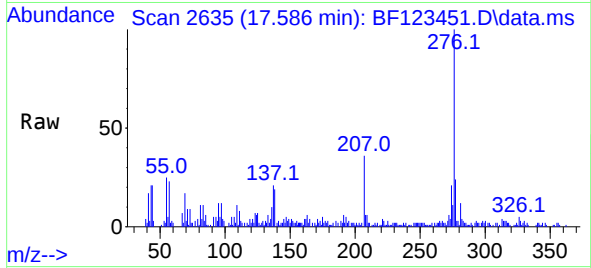
Tgt Ion:	252	Resp:	118128
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.5	26.3
125	11.7	8.6	12.8





#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

Instrument :
 BNA_F
 ClientSampleId :
 COMP-SOIL-323



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

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