

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031821\
 Data File : BF123396.D
 Acq On : 18 Mar 2021 22:02
 Operator : JU/CG
 Sample : M1709-02 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PSHQ-SOIL

Quant Time: Mar 19 00:20:52 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 18 02:38:45 2021
 Response via : Initial Calibration

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

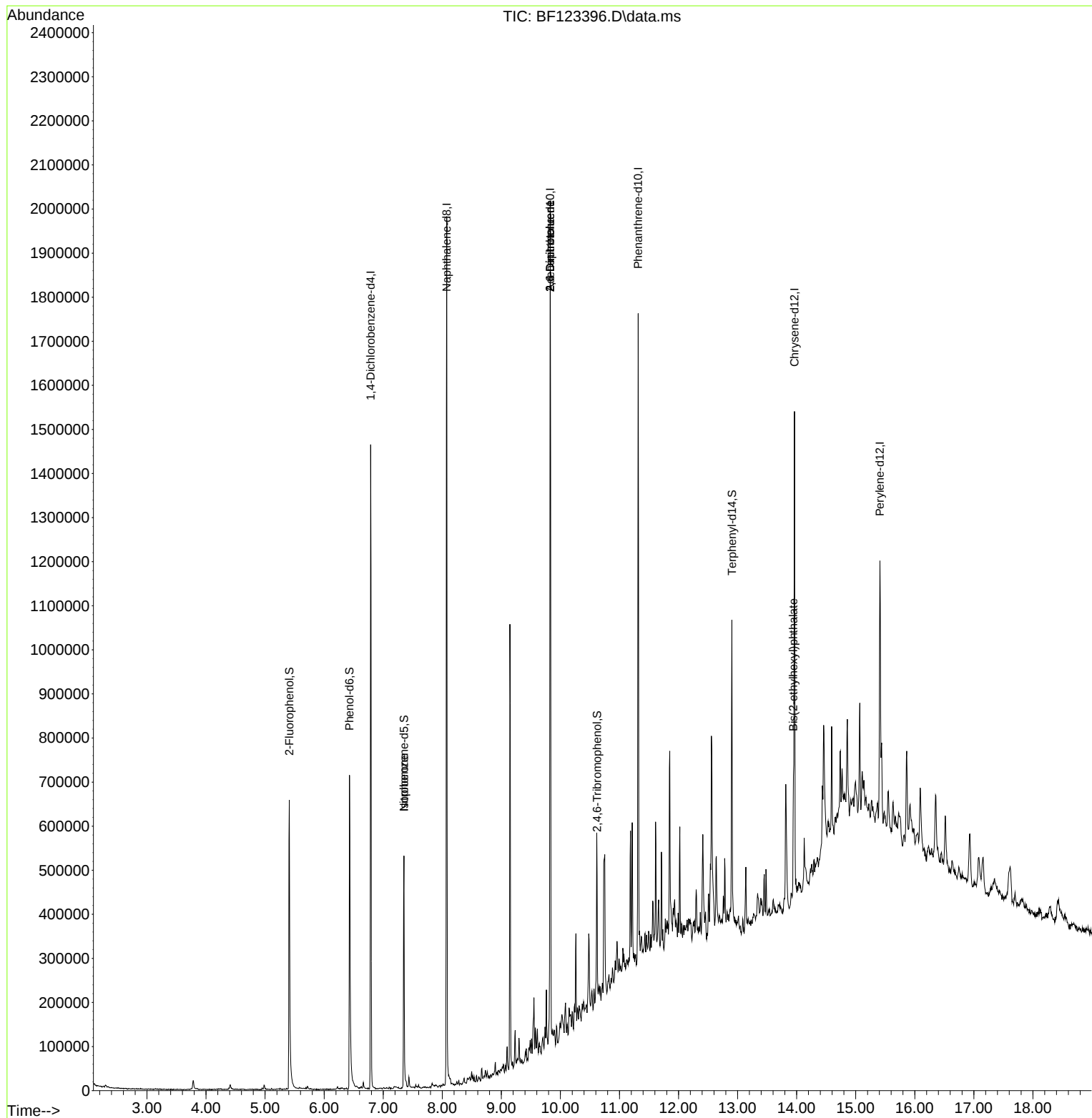
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	222106	20.00	ng	0.00
21) Naphthalene-d8	8.075	136	865372	20.00	ng	0.00
39) Acenaphthene-d10	9.828	164	383166	20.00	ng	0.00
64) Phenanthrene-d10	11.316	188	502387	20.00	ng	# 0.00
76) Chrysene-d12	13.963	240	348092	20.00	ng	#-0.01
86) Perylene-d12	15.410	264	260764	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	245294	15.68	ng	0.00
7) Phenol-d6	6.428	99	299816	14.76	ng	-0.02
23) Nitrobenzene-d5	7.351	82	167689	11.38	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	36843	13.76	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	305836	-9.96	ng	-0.01
79) Terphenyl-d14	12.904	244	199979	11.19	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.357	77	578	Below Cal	#	34
10) Phenol	6.445	94	8389	Below Cal		94
20) 3+4-Methylphenols	7.257	107	114	Below Cal	#	1
25) Isophorone	7.351	82	167687	5.48	ng	# 65
51) 2,6-Dinitrotoluene	9.828	165	49931	7.74	ng	# 31
55) Dibenzofuran	10.033	168	1841	Below Cal	#	17
57) 2,4-Dinitrotoluene	9.828	165	49931	6.07	ng	# 25
58) Fluorene	10.381	166	3608	Below Cal	#	70
61) 4-Chlorophenyl-phenyle...	10.381	204	124	Below Cal	#	1
75) Fluoranthene	12.533	202	27169	Below Cal		95
84) Bis(2-ethylhexyl)phtha...	13.945	149	66055	3.64	ng	97

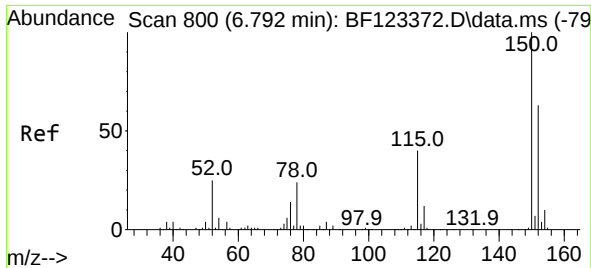
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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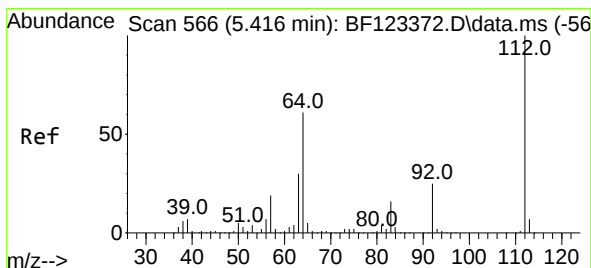
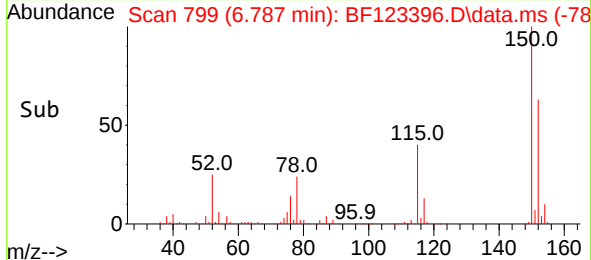
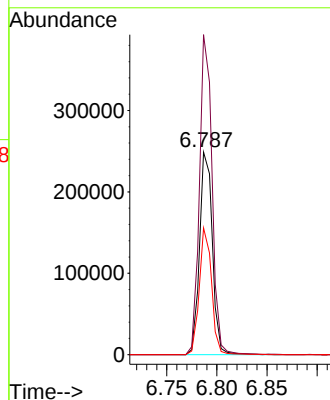
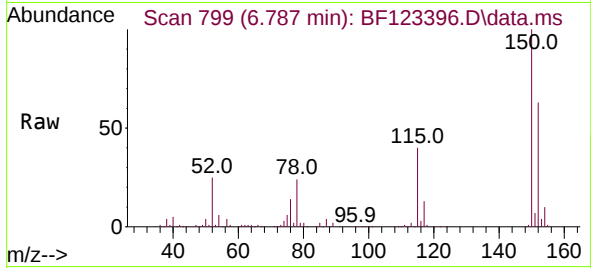




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.787 min Scan# 799
Delta R.T. -0.005 min
Lab File: BF123396.D
Acq: 18 Mar 2021 22:02

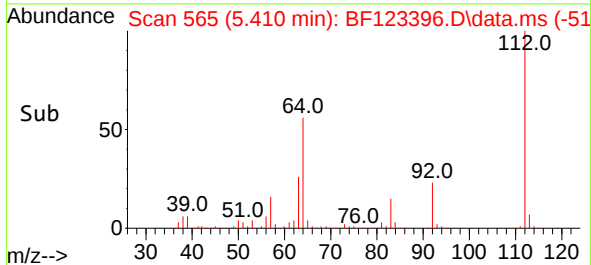
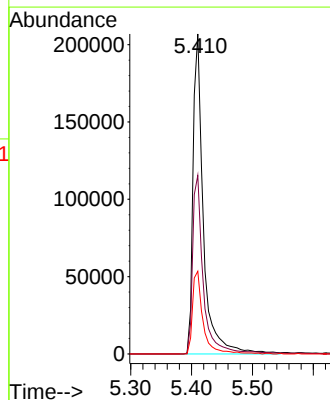
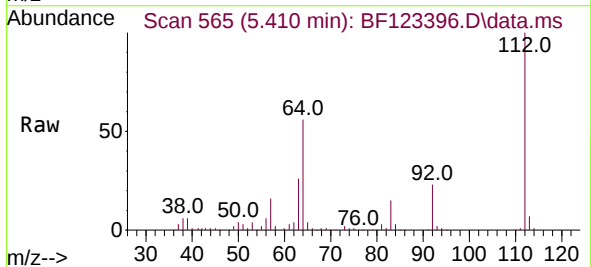
Instrument :
BNA_F
ClientSampleId :
PSHQ-SOIL

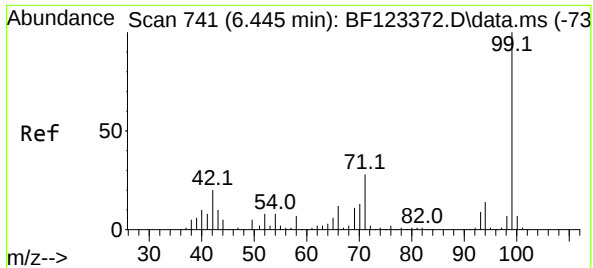
Tgt Ion:152 Resp: 222106
Ion Ratio Lower Upper
152 100
150 158.0 125.8 188.6
115 62.6 49.3 73.9



#5
2-Fluorophenol
Concen: 15.68 ng
RT: 5.410 min Scan# 565
Delta R.T. -0.006 min
Lab File: BF123396.D
Acq: 18 Mar 2021 22:02

Tgt Ion:112 Resp: 245294
Ion Ratio Lower Upper
112 100
64 55.8 46.9 70.3
63 25.9 24.5 36.7

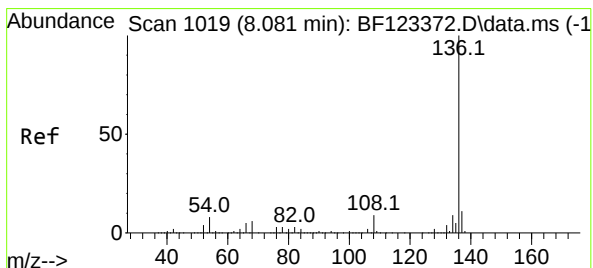
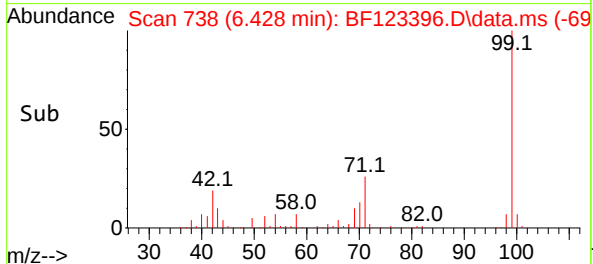
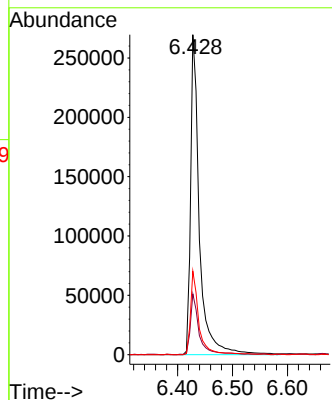
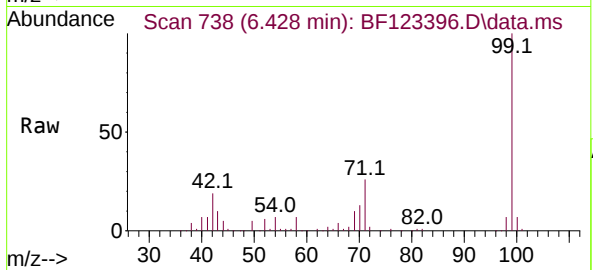




#7
Phenol-d6
Concen: 14.76 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.017 min
Lab File: BF123396.D
Acq: 18 Mar 2021 22:02

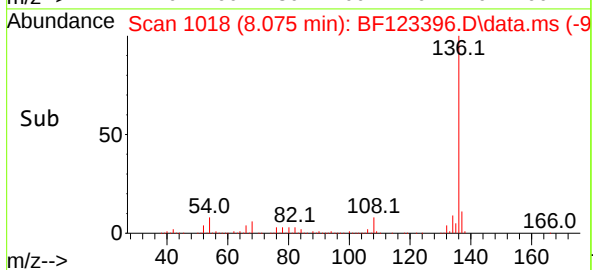
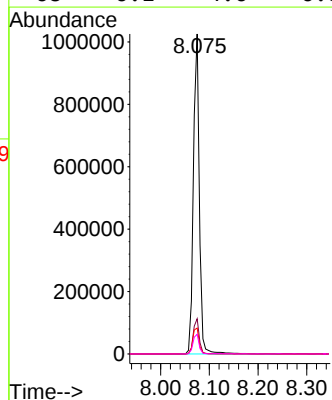
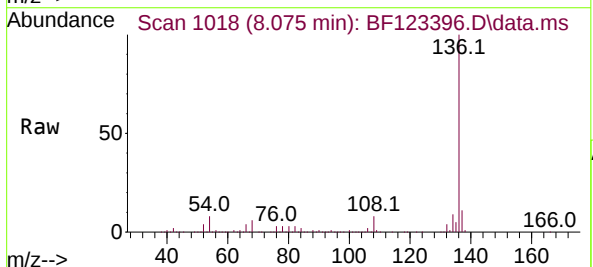
Instrument :
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ClientSampleId :
PSHQ-SOIL

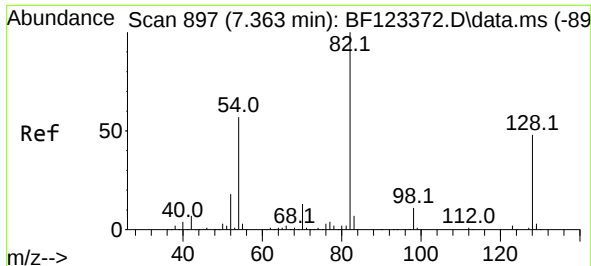
Tgt Ion: 99 Resp: 299816
Ion Ratio Lower Upper
99 100
42 19.0 13.8 20.6
71 26.1 26.9 40.3#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF123396.D
Acq: 18 Mar 2021 22:02

Tgt Ion: 136 Resp: 865372
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.1 5.5 8.3
68 6.1 4.6 6.8

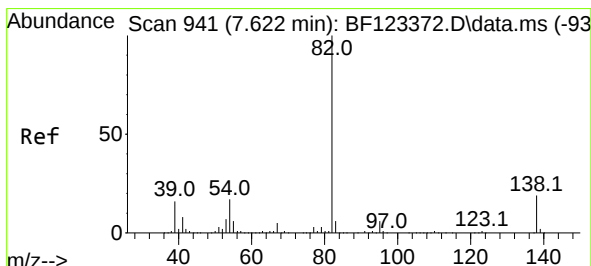
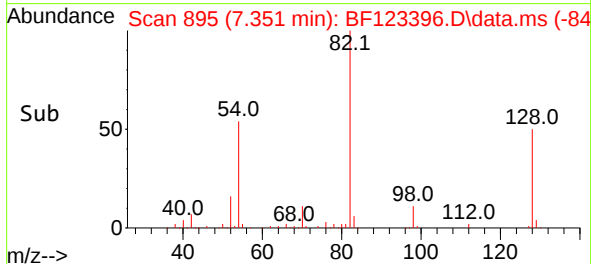
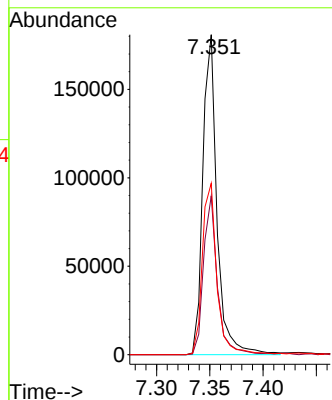
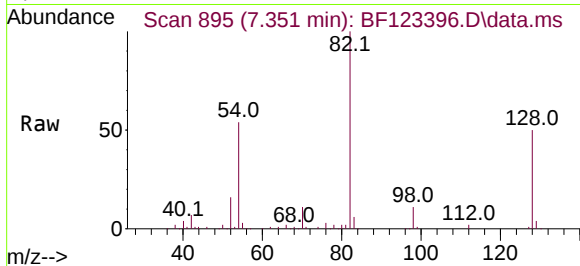




#23
Nitrobenzene-d5
Concen: 11.38 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF123396.D
Acq: 18 Mar 2021 22:02

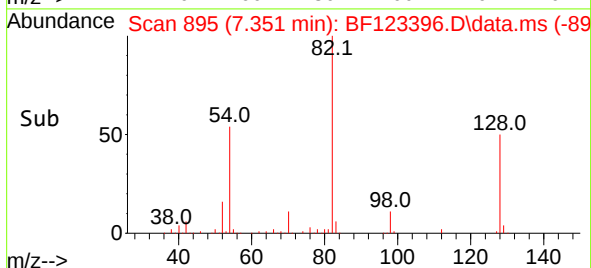
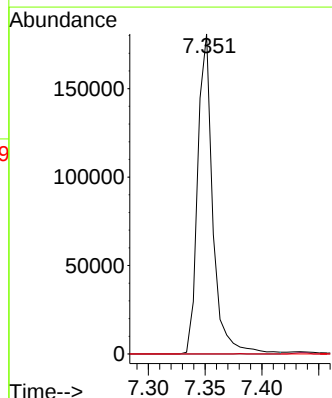
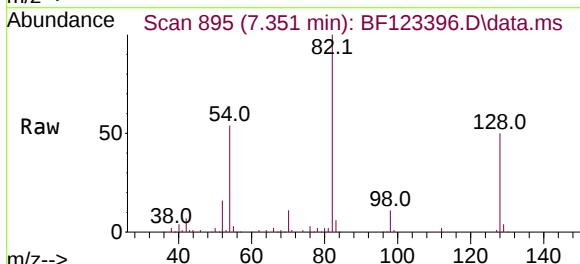
Instrument :
BNA_F
ClientSampleId :
PSHQ-SOIL

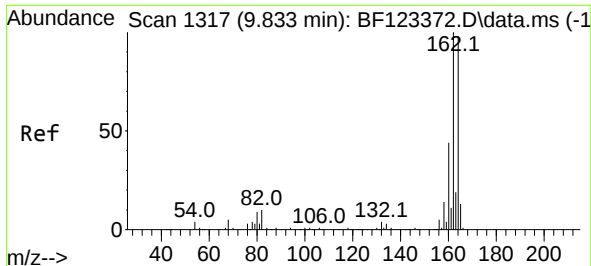
Tgt Ion: 82 Resp: 167689
Ion Ratio Lower Upper
82 100
128 49.6 37.0 55.4
54 53.6 38.4 57.6



#25
Isophorone
Concen: 5.48 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF123396.D
Acq: 18 Mar 2021 22:02

Tgt Ion: 82 Resp: 167687
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: 9.828 min Scan# 1316

Delta R.T. -0.006 min

Lab File: BF123396.D

Acq: 18 Mar 2021 22:02

Instrument :

BNA_F

ClientSampleId :

PSHQ-SOIL

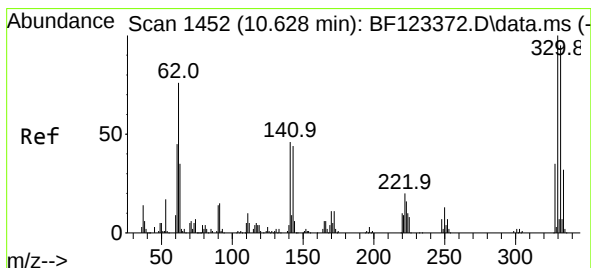
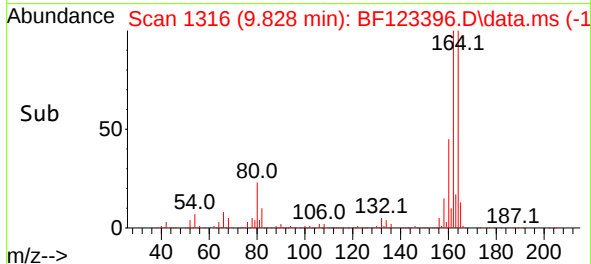
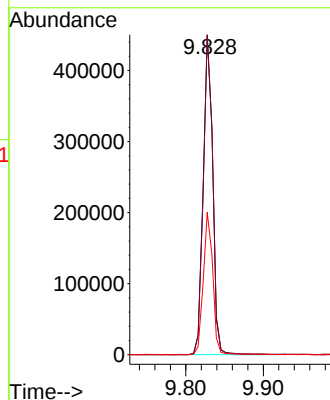
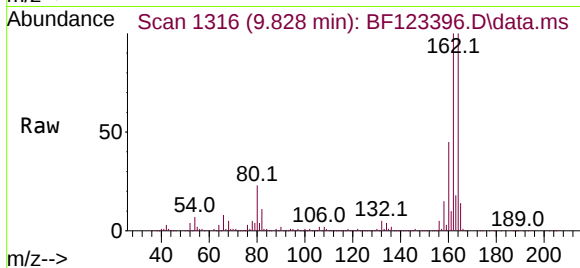
Tgt Ion:164 Resp: 383166

Ion Ratio Lower Upper

164 100

162 100.3 80.8 121.2

160 44.7 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 13.76 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF123396.D

Acq: 18 Mar 2021 22:02

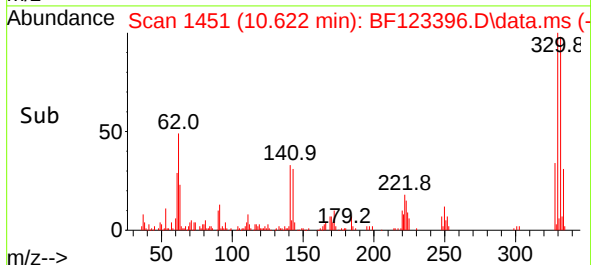
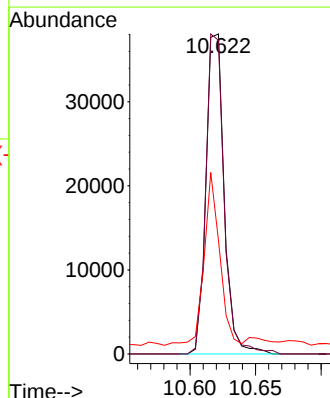
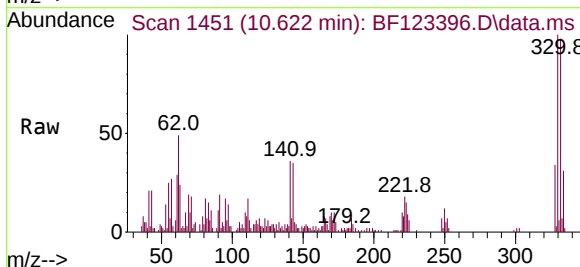
Tgt Ion:330 Resp: 36843

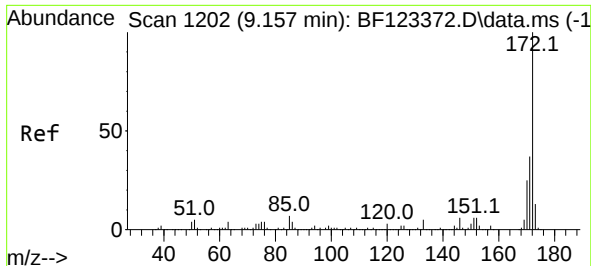
Ion Ratio Lower Upper

330 100

332 100.3 77.5 116.3

141 46.3 23.8 35.8#

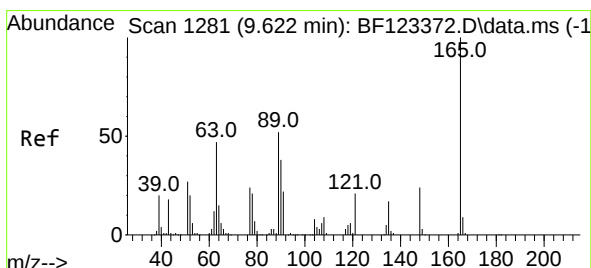
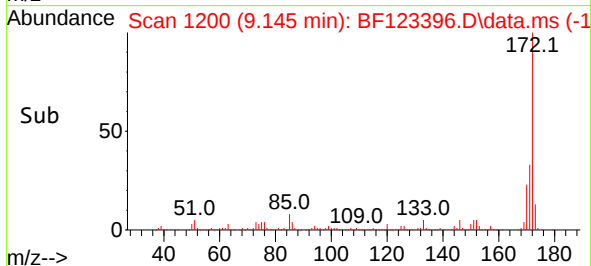
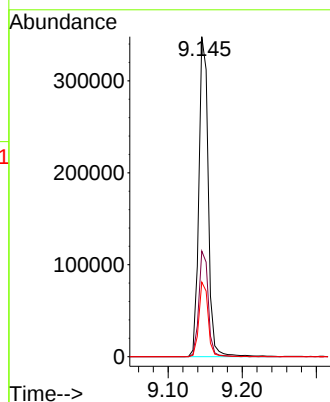
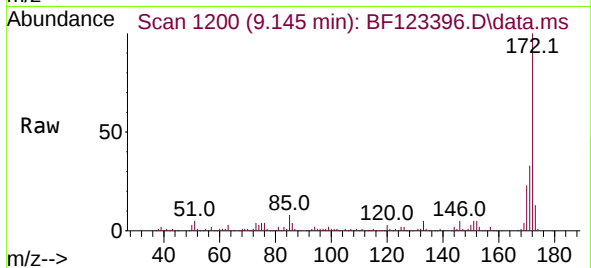




#45
2-Fluorobiphenyl
Concen: -9.96 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF123396.D
Acq: 18 Mar 2021 22:02

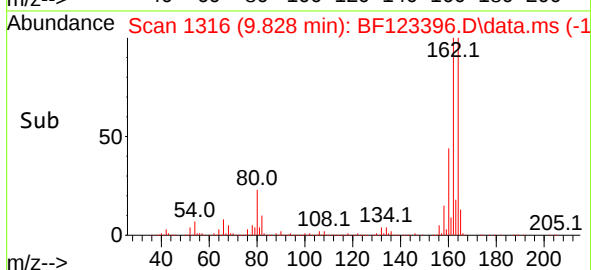
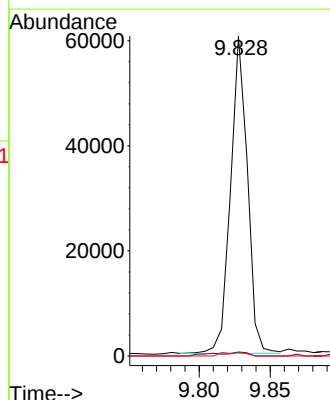
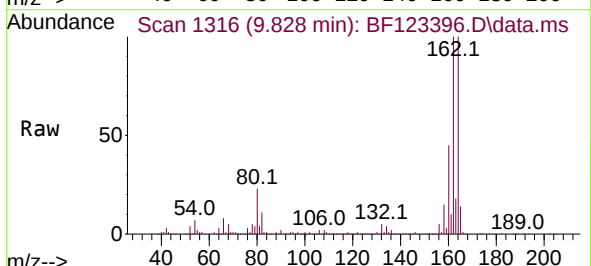
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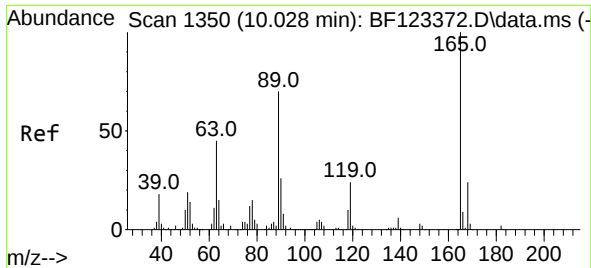
Tgt Ion:172 Resp: 305836
Ion Ratio Lower Upper
172 100
171 33.0 29.6 44.4
170 23.3 19.5 29.3



#51
2,6-Dinitrotoluene
Concen: 7.74 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF123396.D
Acq: 18 Mar 2021 22:02

Tgt Ion:165 Resp: 49931
Ion Ratio Lower Upper
165 100
63 1.2 36.6 55.0#
89 1.1 39.4 59.0#

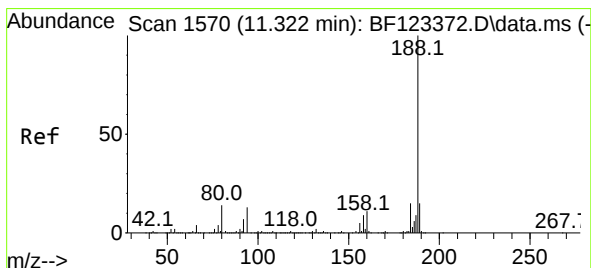
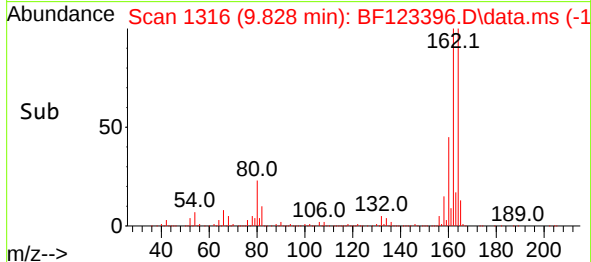
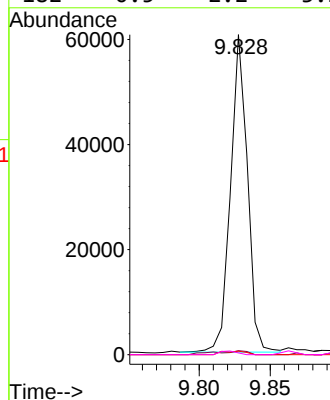
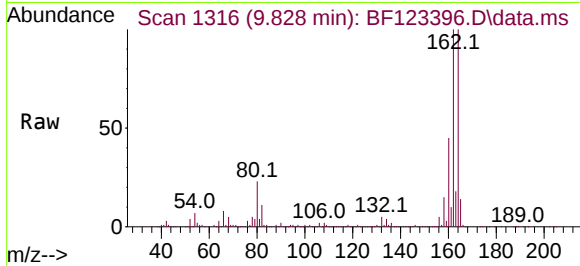




#57
2,4-Dinitrotoluene
Concen: 6.07 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF123396.D
Acq: 18 Mar 2021 22:02

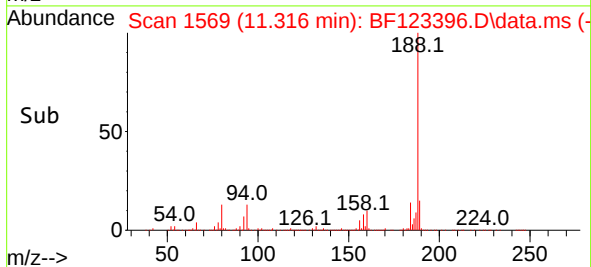
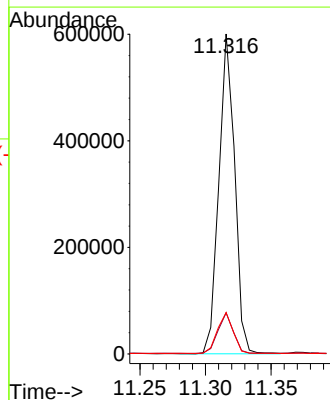
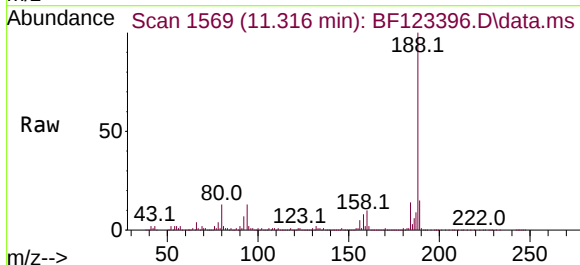
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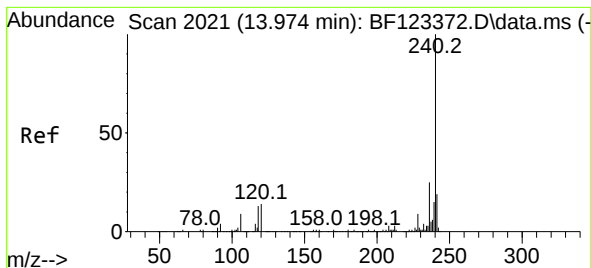
Tgt Ion:165 Resp: 49931
Ion Ratio Lower Upper
165 100
63 1.2 34.3 51.5#
89 1.1 55.2 82.8#
182 0.5 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF123396.D
Acq: 18 Mar 2021 22:02

Tgt Ion:188 Resp: 502387
Ion Ratio Lower Upper
188 100
94 12.8 7.4 11.2#
80 13.0 8.2 12.4#

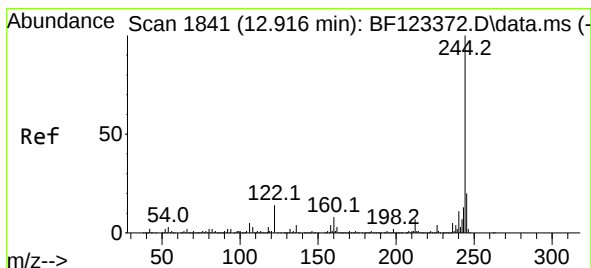
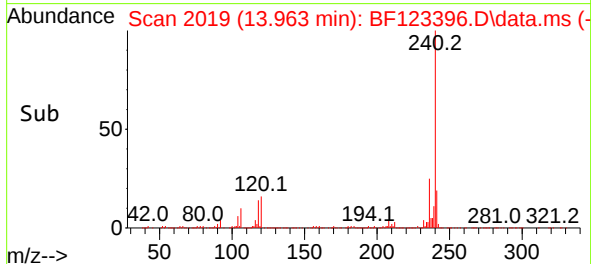
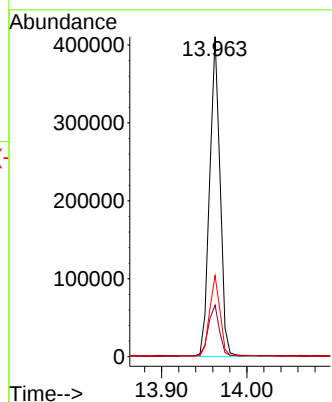
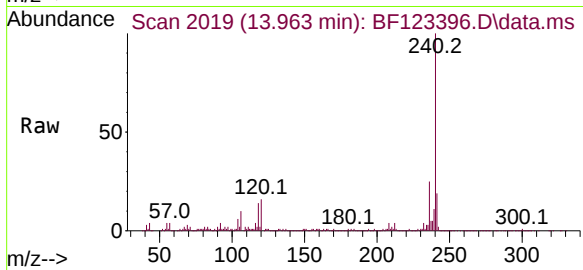




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF123396.D
Acq: 18 Mar 2021 22:02

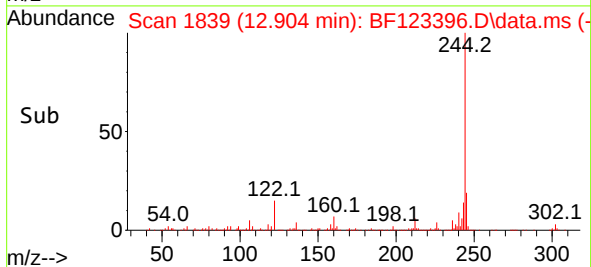
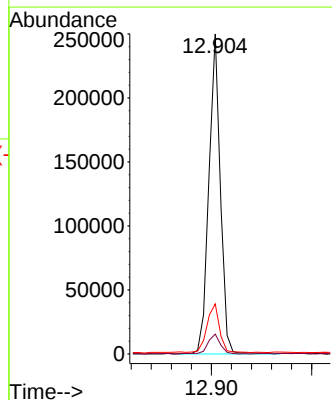
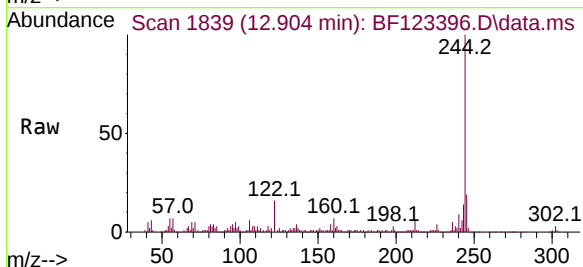
Instrument :
BNA_F
ClientSampleId :
PSHQ-SOIL

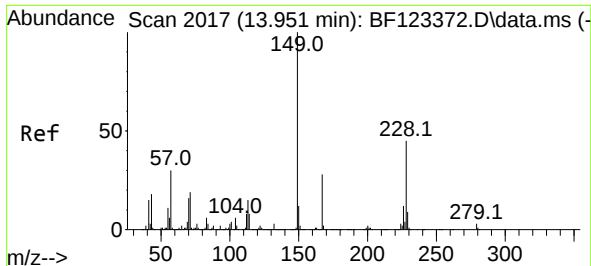
Tgt Ion:240 Resp: 348092
Ion Ratio Lower Upper
240 100
120 16.1 8.6 12.8#
236 25.4 20.3 30.5



#79
Terphenyl-d14
Concen: 11.19 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.012 min
Lab File: BF123396.D
Acq: 18 Mar 2021 22:02

Tgt Ion:244 Resp: 199979
Ion Ratio Lower Upper
244 100
212 6.2 5.7 8.5
122 15.6 8.3 12.5#

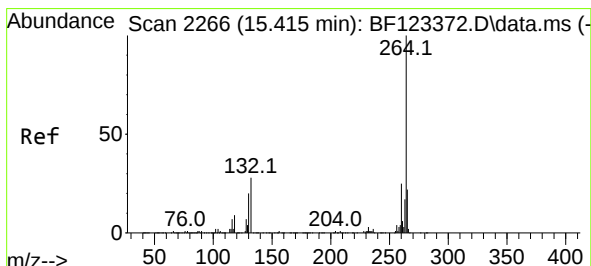
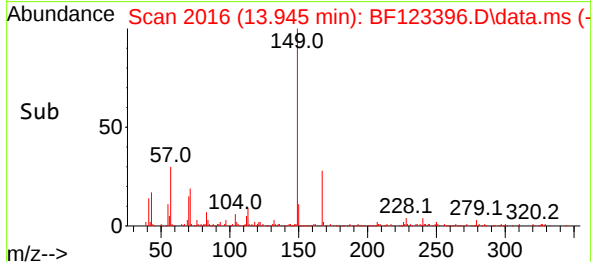
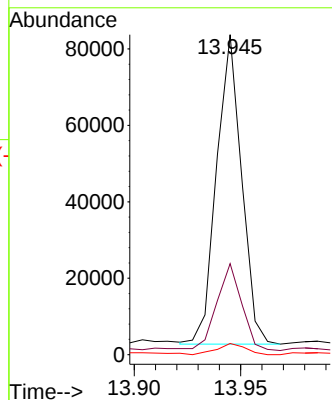
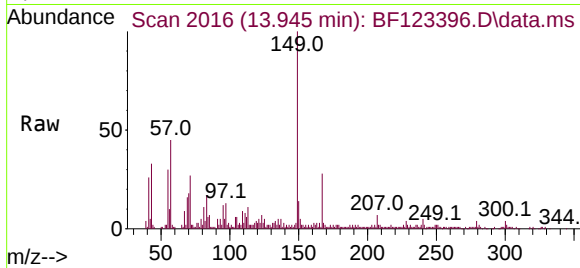




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.64 ng
RT: 13.945 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF123396.D
Acq: 18 Mar 2021 22:02

Instrument :
BNA_F
ClientSampleId :
PSHQ-SOIL

Tgt Ion:149 Resp: 66055
Ion Ratio Lower Upper
149 100
167 28.5 21.4 32.2
279 3.5 3.4 5.0



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.410 min Scan# 2265
Delta R.T. -0.006 min
Lab File: BF123396.D
Acq: 18 Mar 2021 22:02

Tgt Ion:264 Resp: 260764
Ion Ratio Lower Upper
264 100
260 24.1 18.6 28.0
265 21.5 17.0 25.6

