

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050522\
 Data File : BF128105.D
 Acq On : 05 May 2022 20:21
 Operator : CG\JU
 Sample : N2703-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-29S

Quant Time: May 06 05:02:27 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 05 17:56:23 2022
 Response via : Initial Calibration

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

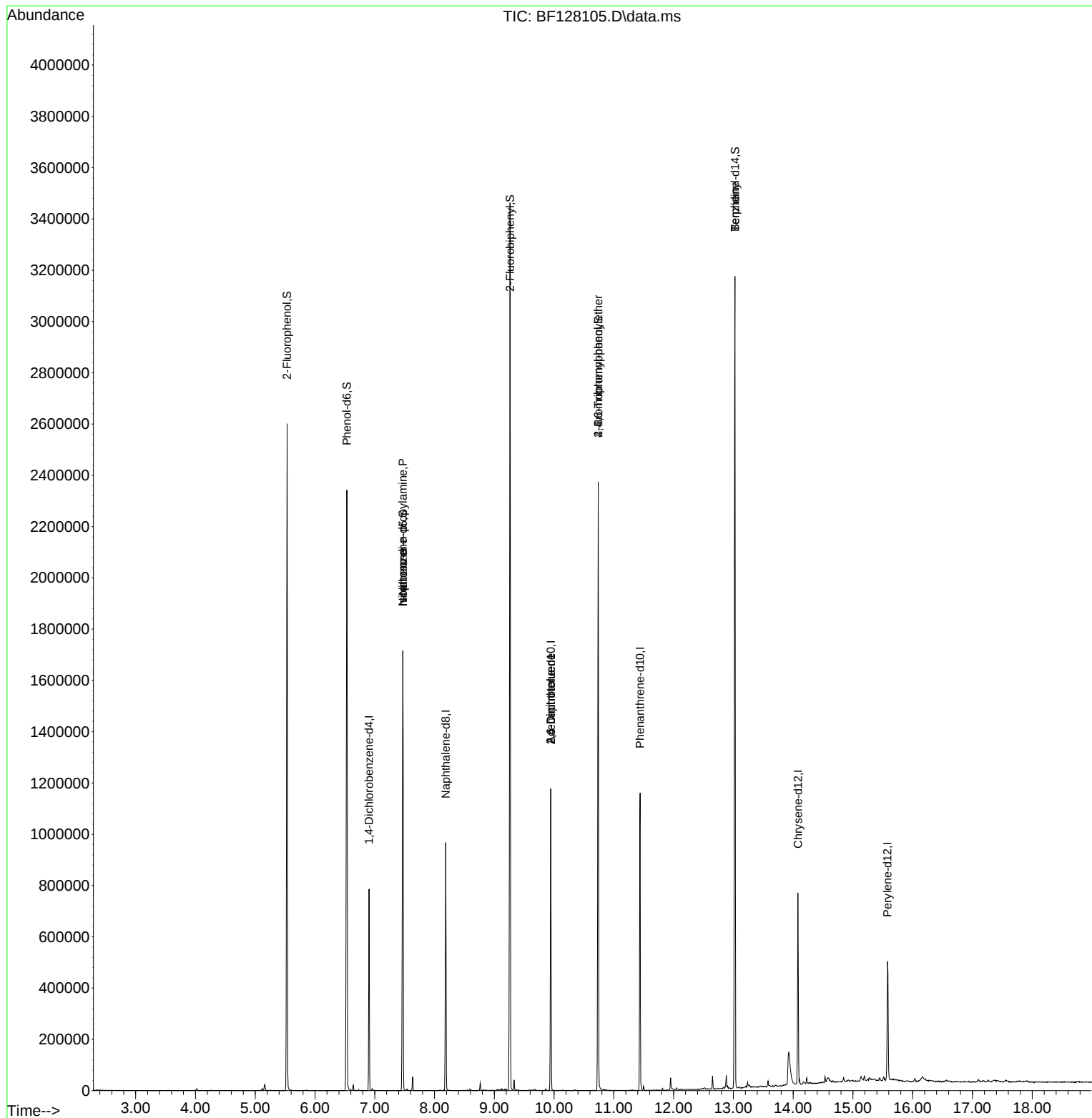
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	96467	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	382301	20.000	ng	-0.01
39) Acenaphthene-d10	9.945	164	225007	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	418781	20.000	ng	# 0.00
76) Chrysene-d12	14.080	240	239056	20.000	ng	-0.01
86) Perylene-d12	15.580	264	212069	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	651615	107.589	ng	0.00
7) Phenol-d6	6.534	99	878957	111.845	ng	-0.01
23) Nitrobenzene-d5	7.469	82	632674	77.821	ng	-0.01
42) 2,4,6-Tribromophenol	10.739	330	276211	121.943	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1072403	80.630	ng	0.00
79) Terphenyl-d14	13.027	244	1118883	85.584	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.469	70	87163	18.119	ng	# 79
25) Isophorone	7.469	82	631618	46.160	ng	# 68
51) 2,6-Dinitrotoluene	9.945	165	28871	8.837	ng	# 21
57) 2,4-Dinitrotoluene	9.945	165	28871	6.671	ng	# 26
67) 4-Bromophenyl-phenylether	10.739	248	16724	3.602	ng	# 1
77) Benzydine	13.027	184	16151	3.571	ng	# 94

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

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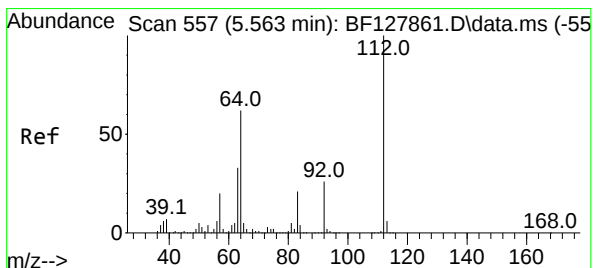
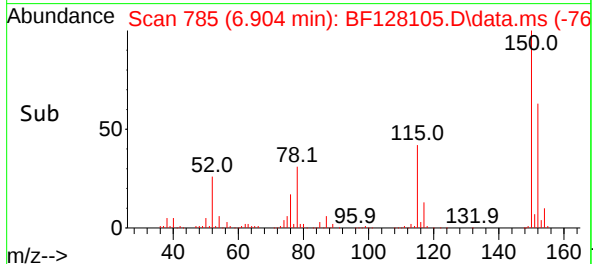
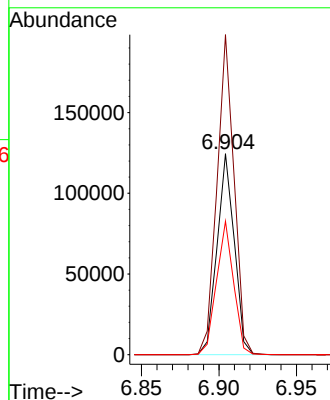
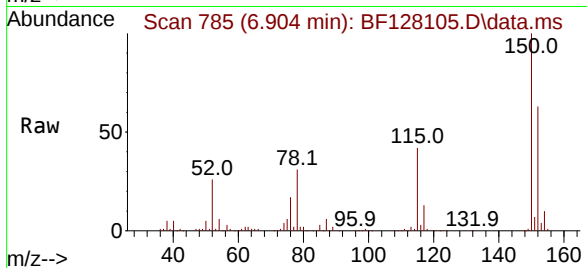




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128105.D
Acq: 05 May 2022 20:21

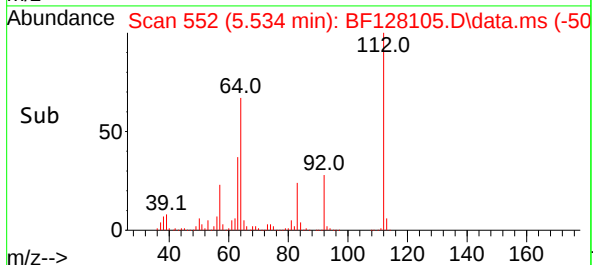
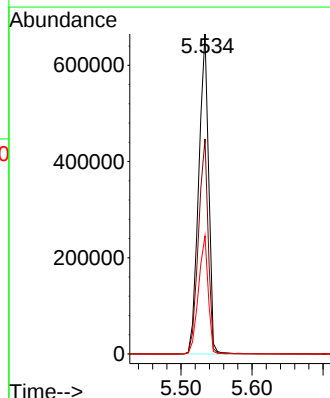
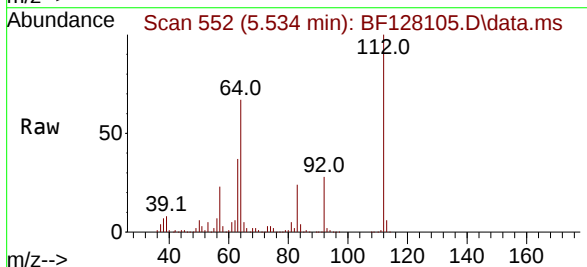
Instrument :
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MH-29S

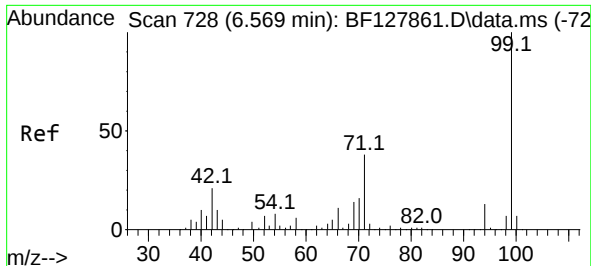
Tgt Ion:152 Resp: 96467
Ion Ratio Lower Upper
152 100
150 159.3 125.3 187.9
115 66.4 48.8 73.2



#5
2-Fluorophenol
Concen: 107.589 ng
RT: 5.534 min Scan# 552
Delta R.T. 0.000 min
Lab File: BF128105.D
Acq: 05 May 2022 20:21

Tgt Ion:112 Resp: 651615
Ion Ratio Lower Upper
112 100
64 67.2 49.5 74.3
63 36.9 26.3 39.5

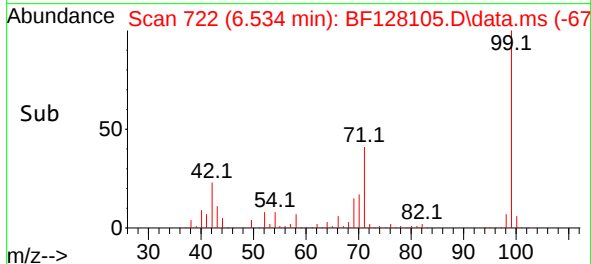
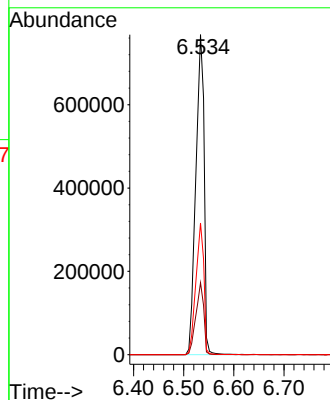
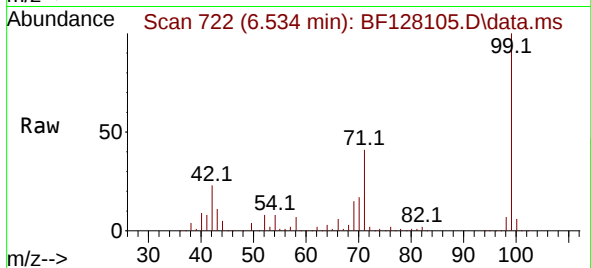




#7
Phenol-d6
Concen: 111.845 ng
RT: 6.534 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128105.D
Acq: 05 May 2022 20:21

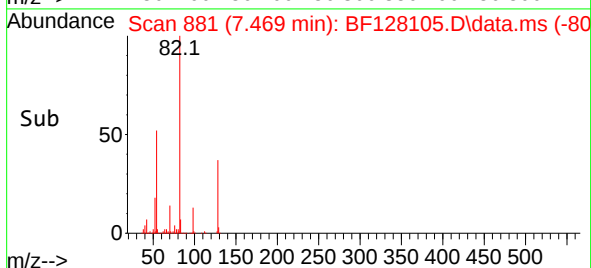
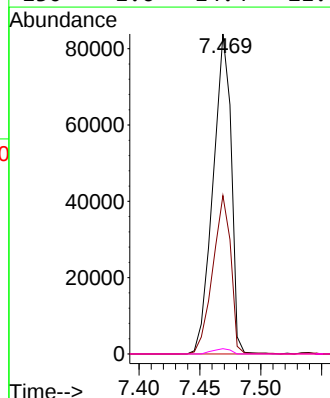
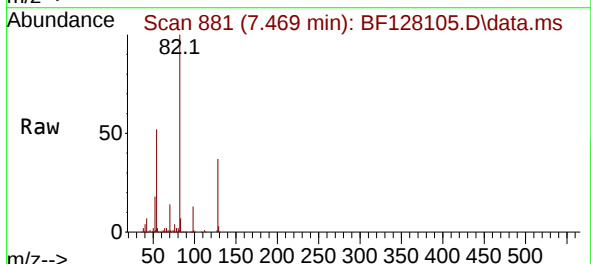
Instrument :
BNA_F
ClientSampleId :
MH-29S

Tgt Ion: 99 Resp: 878957
Ion Ratio Lower Upper
99 100
42 22.5 16.6 24.8
71 41.1 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 18.119 ng
RT: 7.469 min Scan# 881
Delta R.T. 0.141 min
Lab File: BF128105.D
Acq: 05 May 2022 20:21

Tgt Ion: 70 Resp: 87163
Ion Ratio Lower Upper
70 100
42 49.5 48.7 73.1
101 0.0 7.2 10.8#
130 1.6 14.4 21.6#

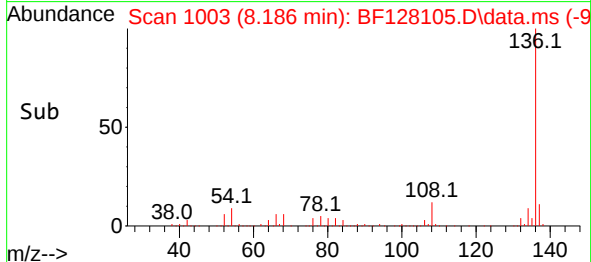
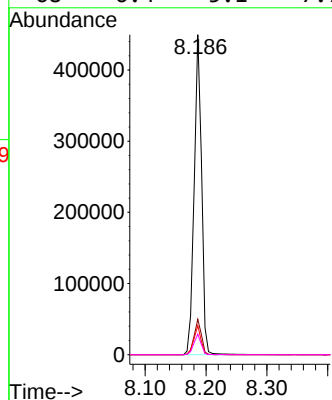
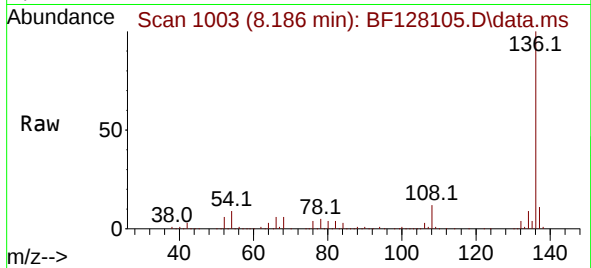




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1010
Delta R.T. -0.012 min
Lab File: BF128105.D
Acq: 05 May 2022 20:21

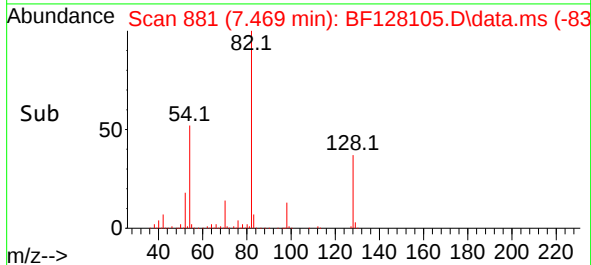
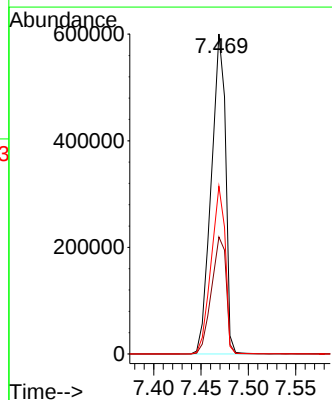
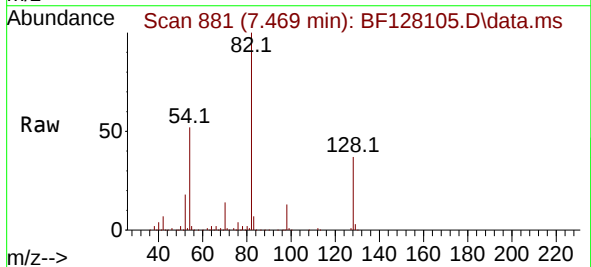
Instrument :
BNA_F
ClientSampleId :
MH-29S

Tgt	Ion:136	Resp:	382301
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	9.0	6.8	10.2
68	6.4	5.1	7.7



#23
Nitrobenzene-d5
Concen: 77.821 ng
RT: 7.469 min Scan# 881
Delta R.T. -0.012 min
Lab File: BF128105.D
Acq: 05 May 2022 20:21

Tgt Ion: 82	Resp: 632674
Ion Ratio	Lower Upper
82 100	
128 36.5	30.0 45.0
54 52.4	41.3 61.9

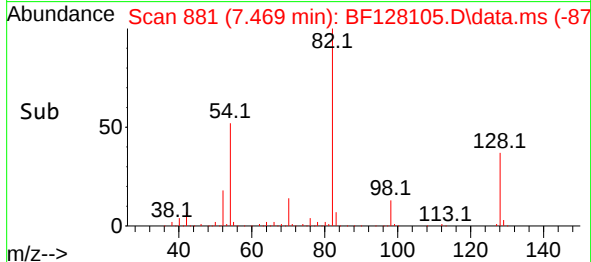
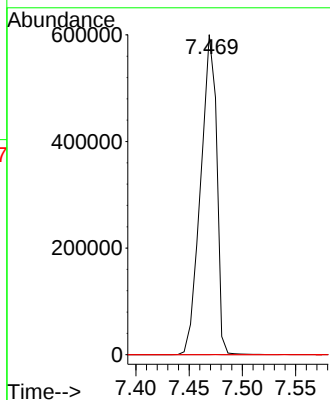
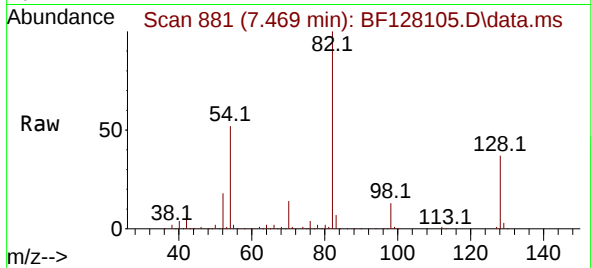




#25
Isophorone
Concen: 46.160 ng
RT: 7.469 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF128105.D
Acq: 05 May 2022 20:21

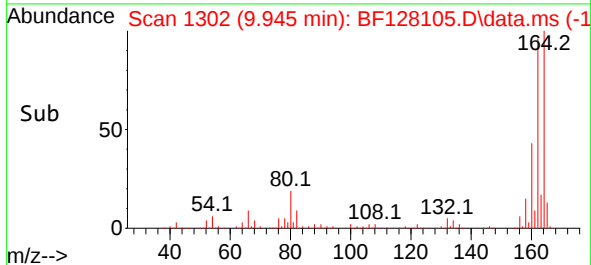
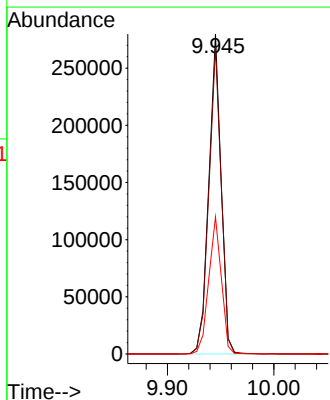
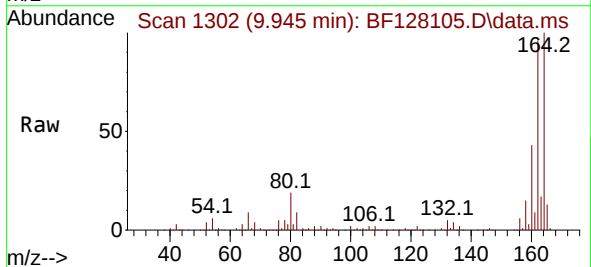
Instrument :
BNA_F
ClientSampleId :
MH-29S

Tgt Ion: 82 Resp: 631618
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF128105.D
Acq: 05 May 2022 20:21

Tgt Ion:164 Resp: 225007
Ion Ratio Lower Upper
164 100
162 95.9 76.0 114.0
160 42.8 34.8 52.2

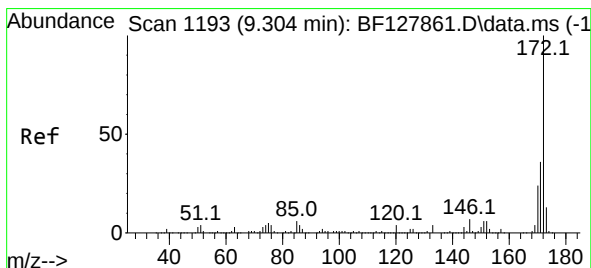
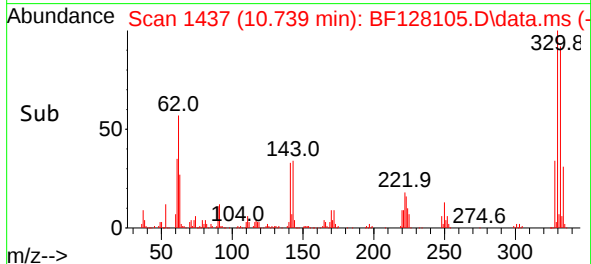
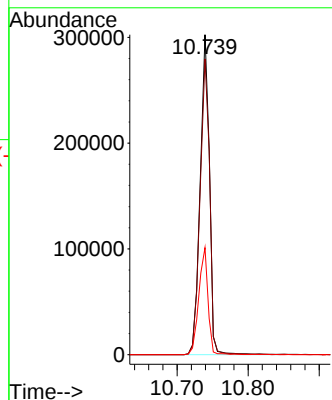
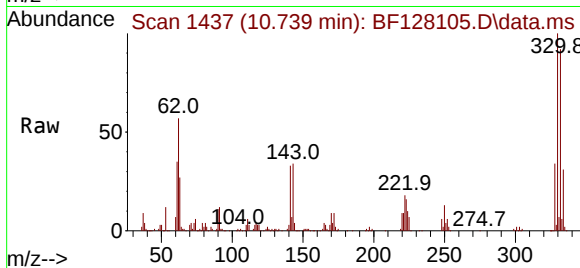




#42
2,4,6-Tribromophenol
Concen: 121.943 ng
RT: 10.739 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF128105.D
Acq: 05 May 2022 20:21

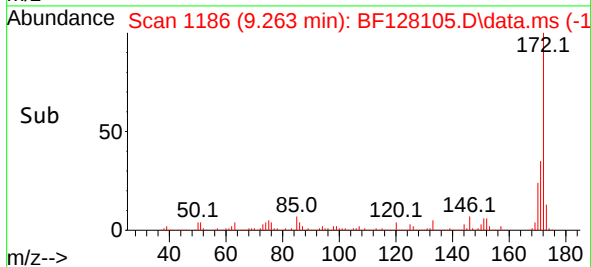
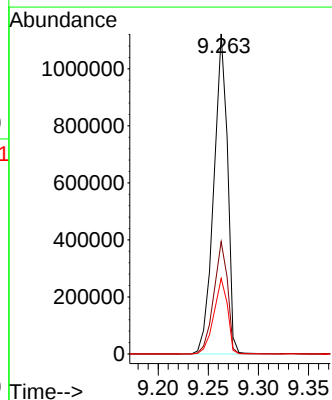
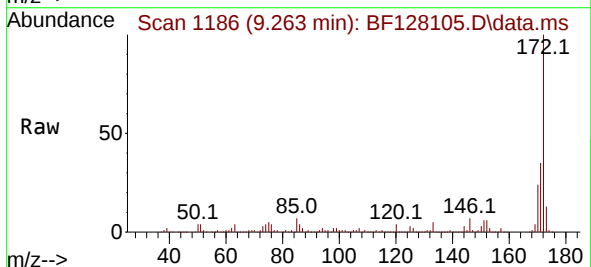
Instrument :
BNA_F
ClientSampleId :
MH-29S

Tgt Ion: 330 Resp: 276211
Ion Ratio Lower Upper
330 100
332 95.4 79.0 118.4
141 33.2 28.9 43.3



#45
2-Fluorobiphenyl
Concen: 80.630 ng
RT: 9.263 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF128105.D
Acq: 05 May 2022 20:21

Tgt Ion: 172 Resp: 1072403
Ion Ratio Lower Upper
172 100
171 35.1 28.6 42.8
170 23.6 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 8.837 ng

RT: 9.945 min Scan# 1302

Delta R.T. 0.206 min

Lab File: BF128105.D

Acq: 05 May 2022 20:21

Instrument :

BNA_F

ClientSampleId :

MH-29S

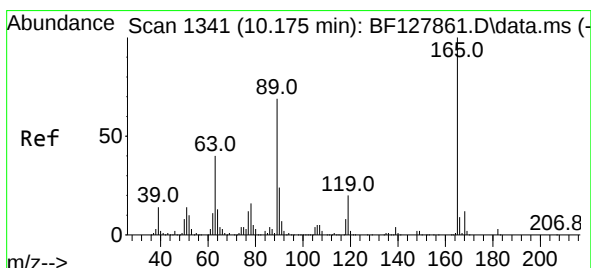
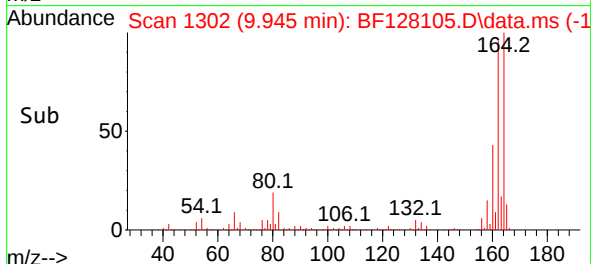
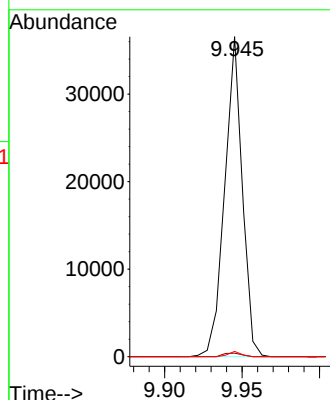
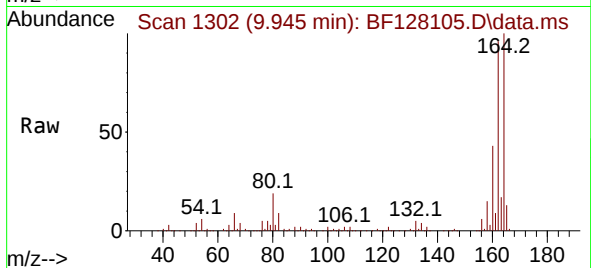
Tgt Ion:165 Resp: 28871

Ion Ratio Lower Upper

165 100

63 1.1 49.5 74.3#

89 1.6 49.0 73.4#



#57

2,4-Dinitrotoluene

Concen: 6.671 ng

RT: 9.945 min Scan# 1302

Delta R.T. -0.200 min

Lab File: BF128105.D

Acq: 05 May 2022 20:21

Tgt Ion:165 Resp: 28871

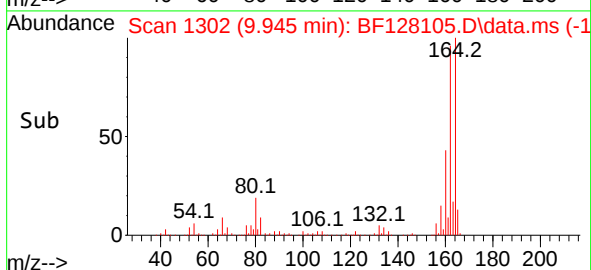
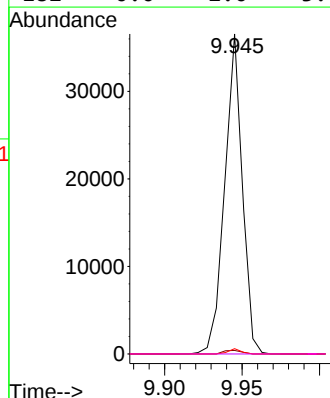
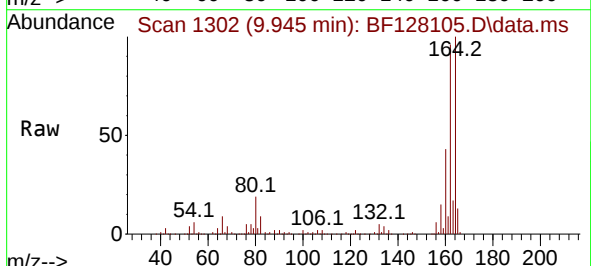
Ion Ratio Lower Upper

165 100

63 1.1 32.6 49.0#

89 1.6 55.2 82.8#

182 0.0 2.0 3.0#

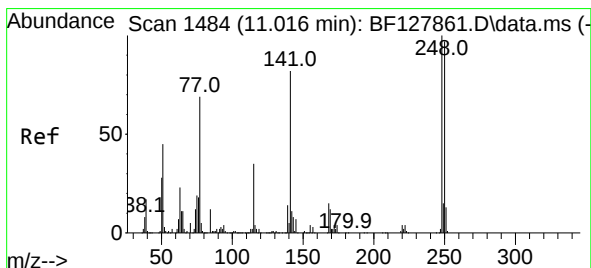
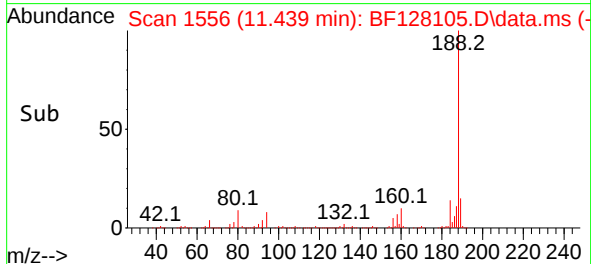
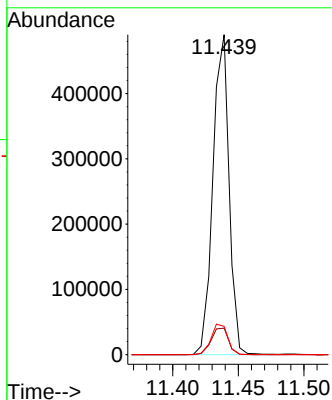
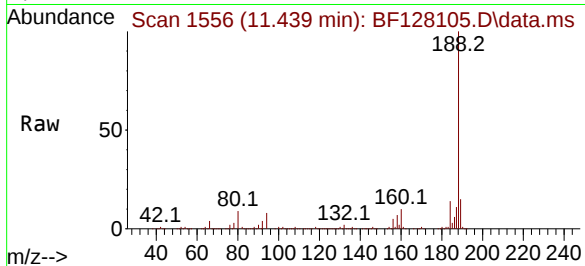




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128105.D
Acq: 05 May 2022 20:21

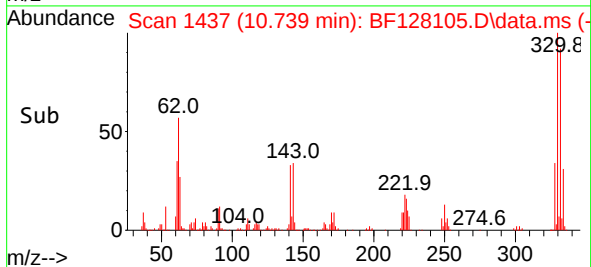
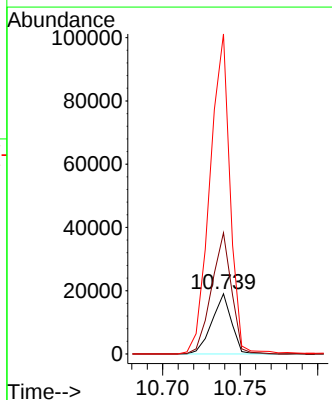
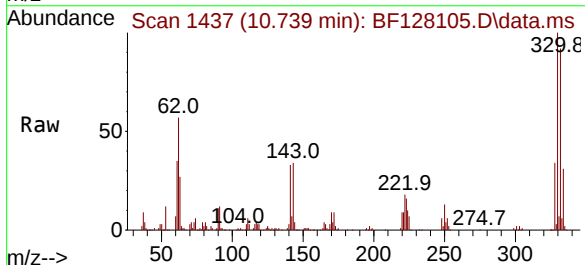
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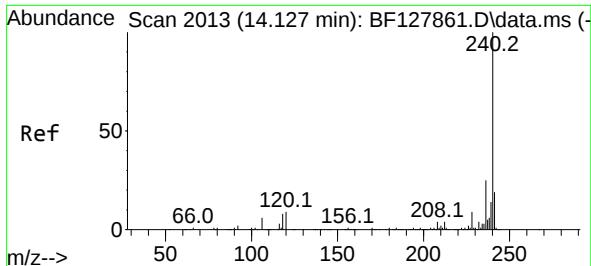
Tgt Ion:188 Resp: 418781
Ion Ratio Lower Upper
188 100
94 8.3 8.0 12.0
80 8.9 8.9 13.3#



#67
4-Bromophenyl-phenylether
Concen: 3.602 ng
RT: 10.739 min Scan# 1437
Delta R.T. -0.247 min
Lab File: BF128105.D
Acq: 05 May 2022 20:21

Tgt Ion:248 Resp: 16724
Ion Ratio Lower Upper
248 100
250 201.7 77.7 116.5#
141 532.5 65.6 98.4#

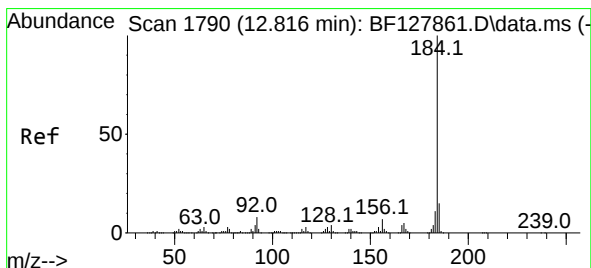
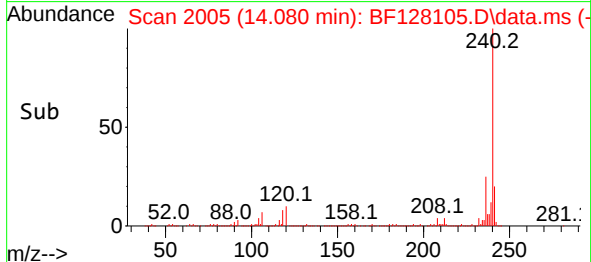
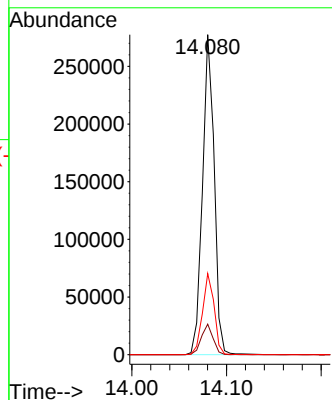
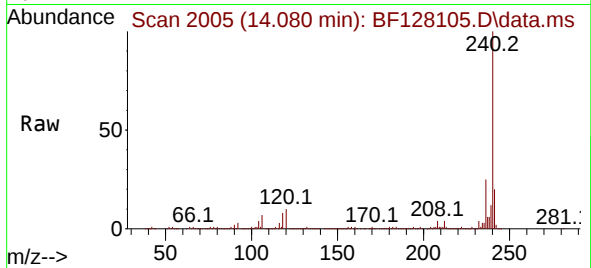




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2013
Delta R.T. -0.012 min
Lab File: BF128105.D
Acq: 05 May 2022 20:21

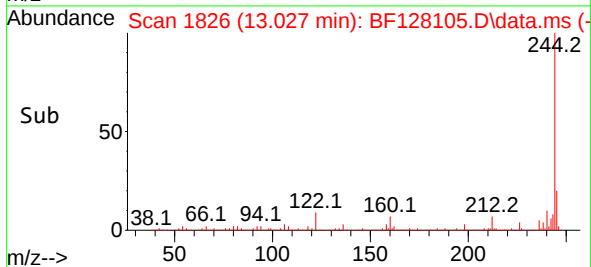
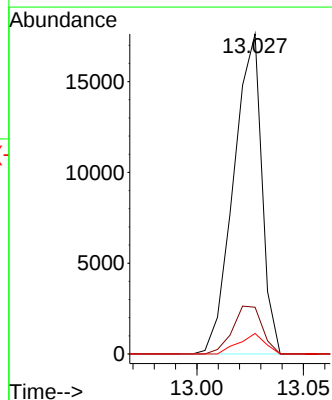
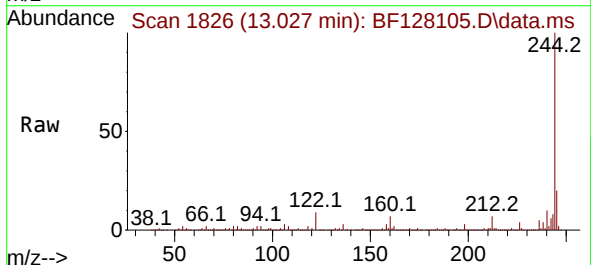
Instrument :
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ClientSampleId :
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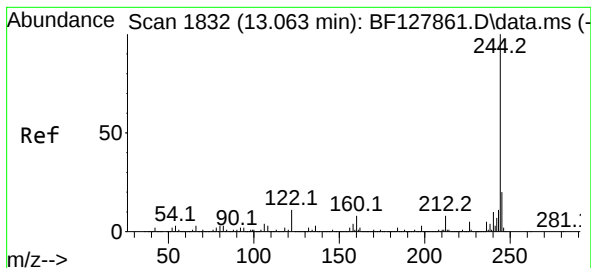
Tgt Ion:240 Resp: 239056
Ion Ratio Lower Upper
240 100
120 9.5 7.0 10.6
236 25.4 20.3 30.5



#77
Benzidine
Concen: 3.571 ng
RT: 13.027 min Scan# 1826
Delta R.T. 0.247 min
Lab File: BF128105.D
Acq: 05 May 2022 20:21

Tgt Ion:184 Resp: 16151
Ion Ratio Lower Upper
184 100
185 14.6 12.1 18.1
183 6.4 9.0 13.4#





#79

Terphenyl-d14

Concen: 85.584 ng

RT: 13.027 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF128105.D

Acq: 05 May 2022 20:21

Instrument :

BNA_F

ClientSampleId :

MH-29S

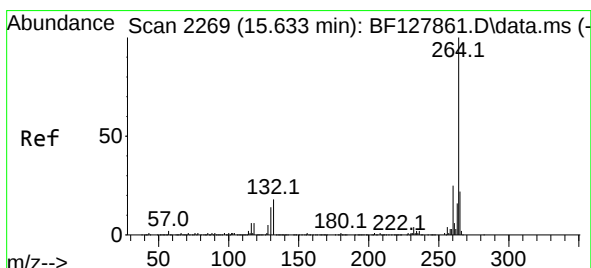
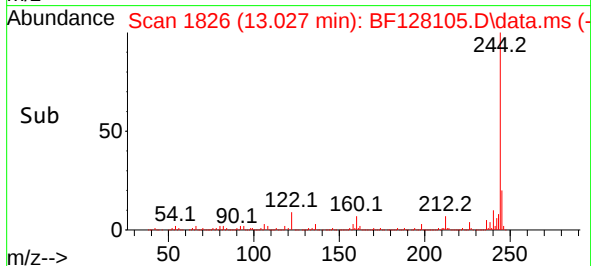
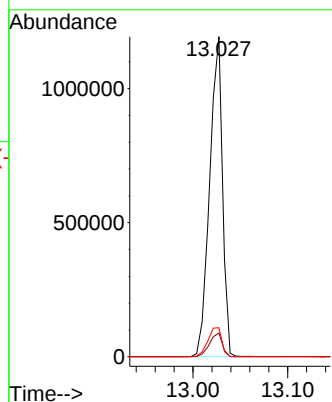
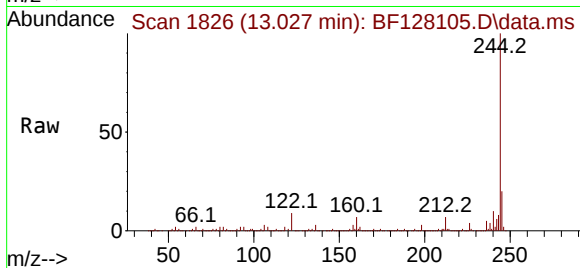
Tgt Ion:244 Resp: 1118883

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.4

122 9.1 8.6 12.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.580 min Scan# 2260

Delta R.T. -0.012 min

Lab File: BF128105.D

Acq: 05 May 2022 20:21

Tgt Ion:264 Resp: 212069

Ion Ratio Lower Upper

264 100

260 23.5 20.1 30.1

265 21.6 17.5 26.3

