

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090222\
 Data File : BF130105.D
 Acq On : 02 Sep 2022 11:56
 Operator : CG\JU
 Sample : N4295-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 XRDS-RECYCLED-SAND-SP-A-COMP

Quant Time: Sep 05 01:16:39 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 31 18:15:32 2022
 Response via : Initial Calibration

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

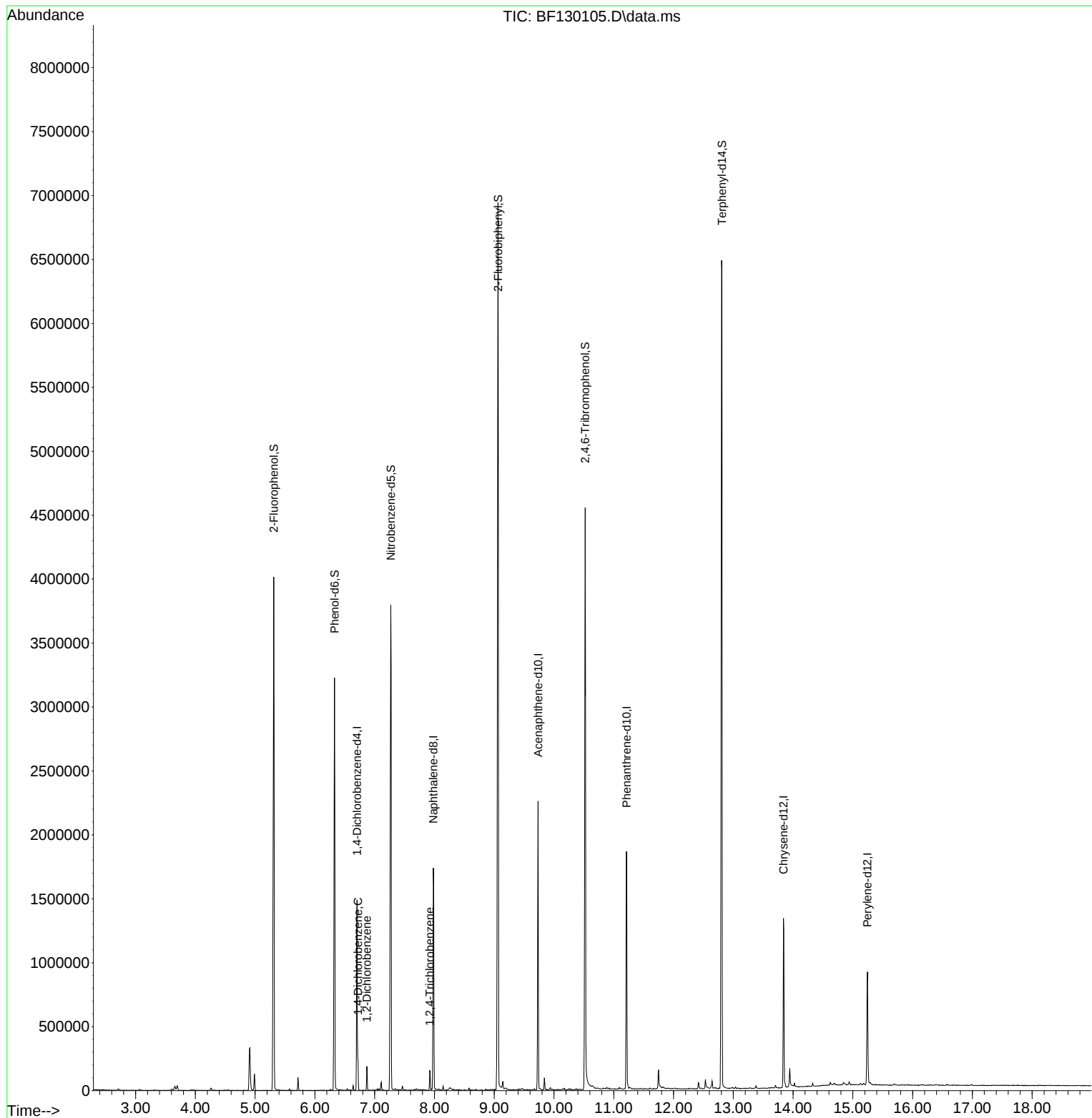
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.704	152	213101	20.000	ng	0.00
21) Naphthalene-d8	7.981	136	827866	20.000	ng	-0.01
39) Acenaphthene-d10	9.734	164	427836	20.000	ng	-0.01
64) Phenanthrene-d10	11.216	188	691517	20.000	ng	0.00
76) Chrysene-d12	13.839	240	442512	20.000	ng	#-0.02
86) Perylene-d12	15.245	264	371239	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.310	112	1301178	103.657	ng	0.00
7) Phenol-d6	6.328	99	1272114	81.287	ng	-0.02
23) Nitrobenzene-d5	7.269	82	1557621	120.916	ng	-0.01
42) 2,4,6-Tribromophenol	10.522	330	677818	174.045	ng	-0.01
45) 2-Fluorobiphenyl	9.063	172	2649610	102.678	ng	0.00
79) Terphenyl-d14	12.810	244	2662965	104.357	ng	0.00
Target Compounds						
						Qvalue
13) 1,4-Dichlorobenzene	6.722	146	52046	3.383	ng	95
14) 1,2-Dichlorobenzene	6.869	146	38244	2.735	ng	95
30) 1,2,4-Trichlorobenzene	7.922	180	27063	2.193	ng	97

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

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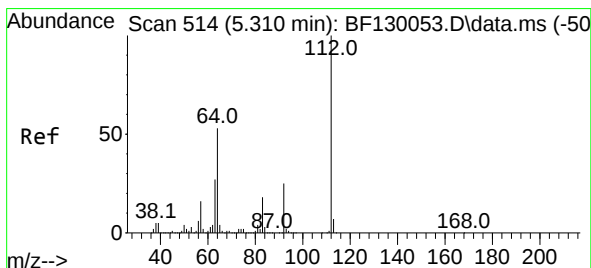
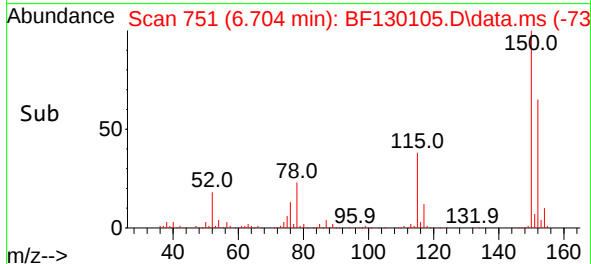
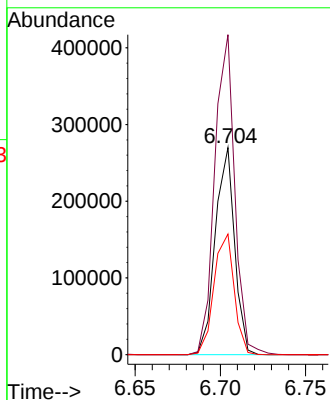
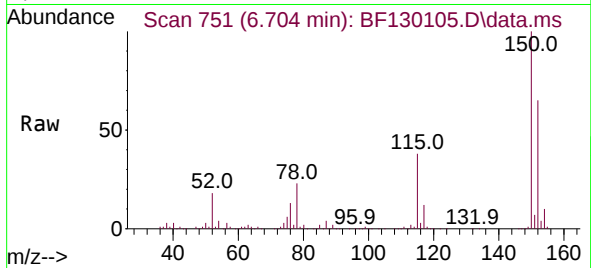




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.704 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF130105.D
Acq: 02 Sep 2022 11:56

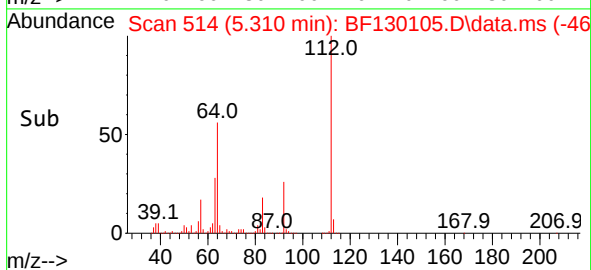
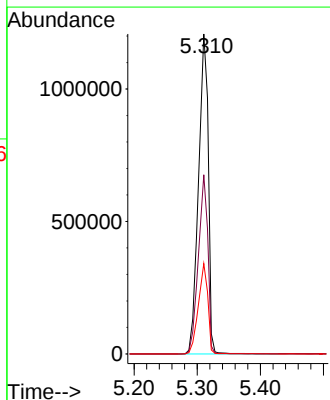
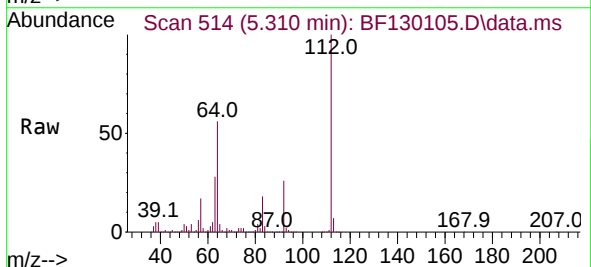
Instrument :
BNA_F
ClientSampleId :
XRDS-RECYCLED-SAND-SP-A-COMP

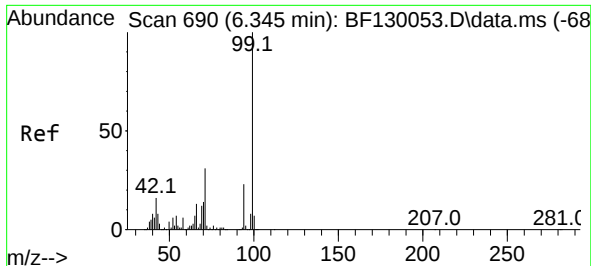
Tgt Ion:152 Resp: 213101
Ion Ratio Lower Upper
152 100
150 154.6 126.9 190.3
115 58.3 53.4 80.0



#5
2-Fluorophenol
Concen: 103.657 ng
RT: 5.310 min Scan# 514
Delta R.T. 0.000 min
Lab File: BF130105.D
Acq: 02 Sep 2022 11:56

Tgt Ion:112 Resp: 1301178
Ion Ratio Lower Upper
112 100
64 56.0 47.6 71.4
63 28.2 24.6 37.0

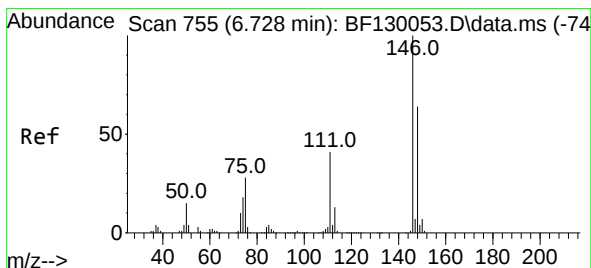
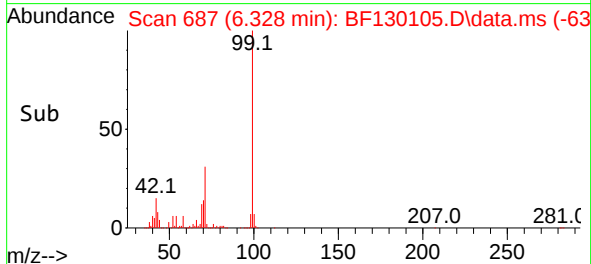
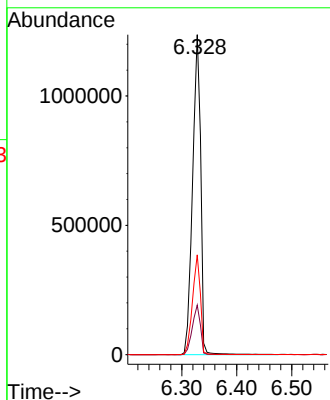
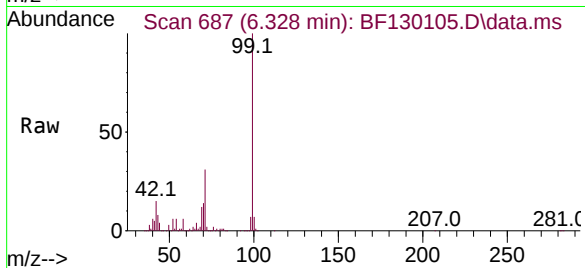




#7
Phenol-d6
Concen: 81.287 ng
RT: 6.328 min Scan# 687
Delta R.T. -0.017 min
Lab File: BF130105.D
Acq: 02 Sep 2022 11:56

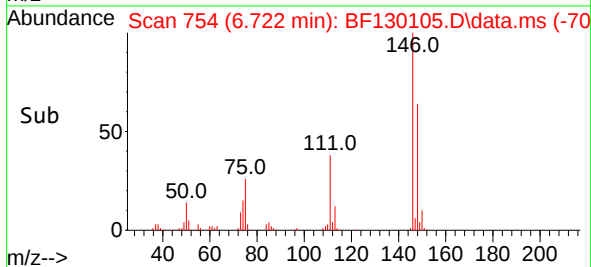
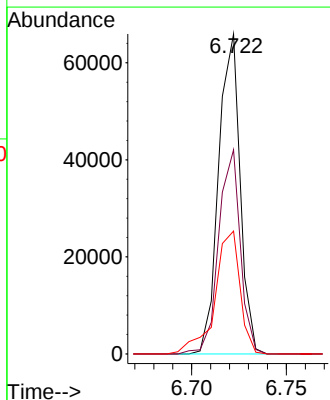
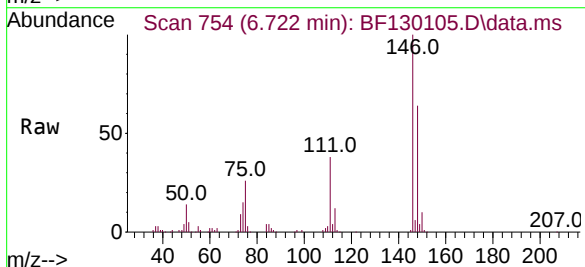
Instrument :
BNA_F
ClientSampleId :
XRDS-RECYCLED-SAND-SP-A-COMP

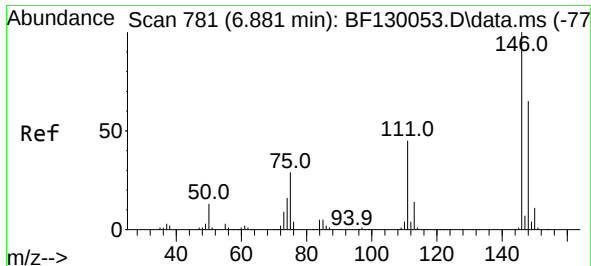
Tgt Ion: 99 Resp: 1272114
Ion Ratio Lower Upper
99 100
42 15.5 15.0 22.4
71 31.2 28.8 43.2



#13
1,4-Dichlorobenzene
Concen: 3.383 ng
RT: 6.722 min Scan# 754
Delta R.T. -0.006 min
Lab File: BF130105.D
Acq: 02 Sep 2022 11:56

Tgt Ion: 146 Resp: 52046
Ion Ratio Lower Upper
146 100
148 63.8 50.6 75.8
111 38.4 36.2 54.4

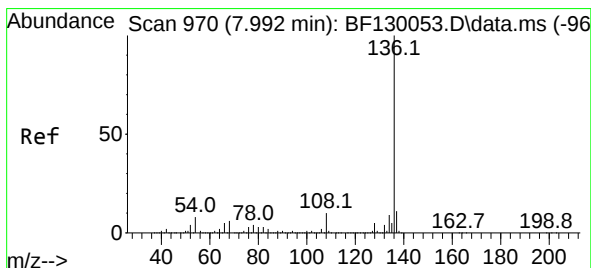
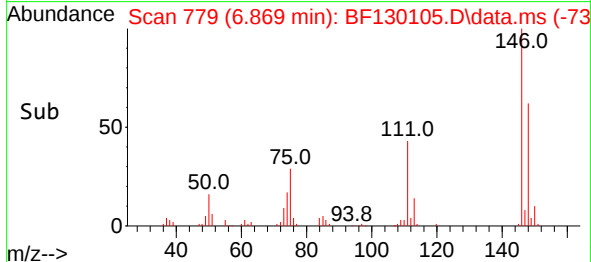
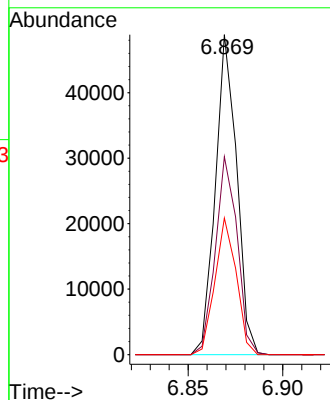
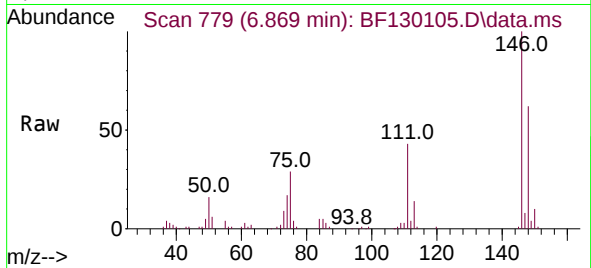




#14
1,2-Dichlorobenzene
Concen: 2.735 ng
RT: 6.869 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF130105.D
Acq: 02 Sep 2022 11:56

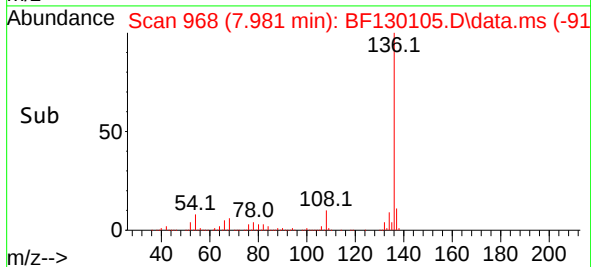
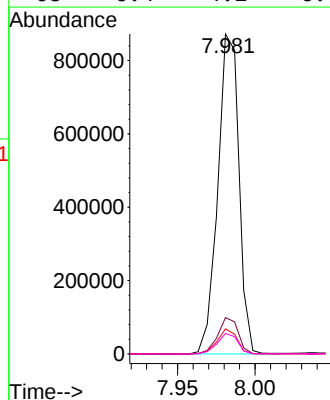
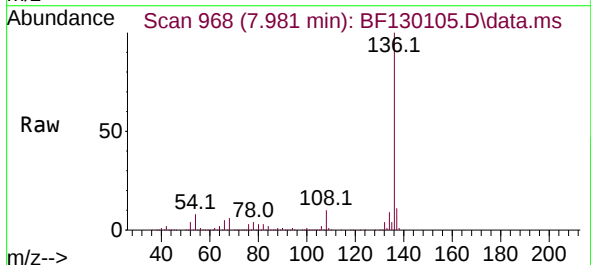
Instrument :
BNA_F
ClientSampleId :
XRDS-RECYCLED-SAND-SP-A-COMP

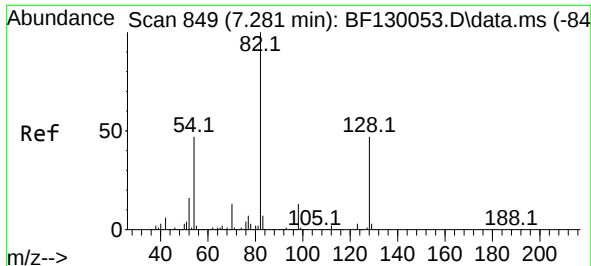
Tgt Ion:146 Resp: 38244
Ion Ratio Lower Upper
146 100
148 61.8 51.8 77.6
111 42.7 37.2 55.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.981 min Scan# 968
Delta R.T. -0.011 min
Lab File: BF130105.D
Acq: 02 Sep 2022 11:56

Tgt Ion:136 Resp: 827866
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 7.8 6.2 9.2
68 6.4 4.2 6.4





#23

Nitrobenzene-d5

Concen: 120.916 ng

RT: 7.269 min Scan# 84

Delta R.T. -0.012 min

Lab File: BF130105.D

Acq: 02 Sep 2022 11:56

Instrument :

BNA_F

ClientSampleId :

XRDS-RECYCLED-SAND-SP-A-COMP

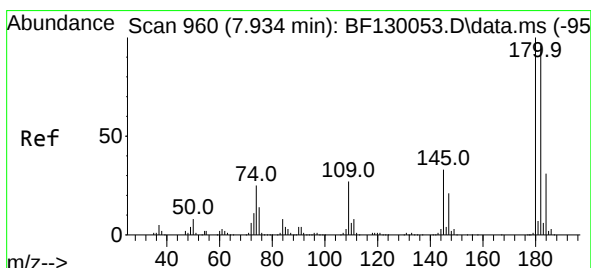
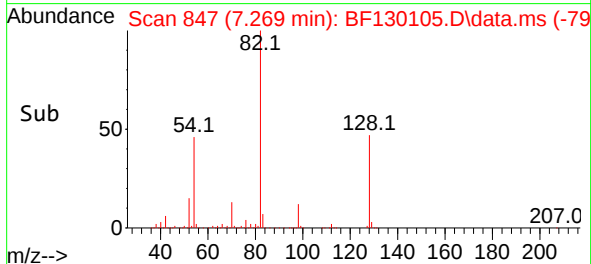
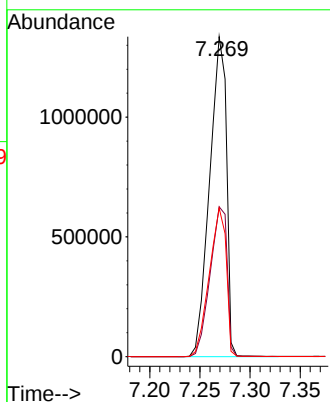
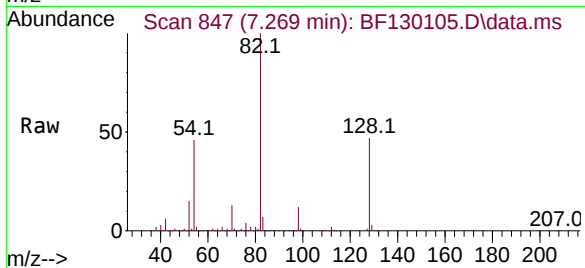
Tgt Ion: 82 Resp: 1557621

Ion Ratio Lower Upper

82 100

128 46.8 36.1 54.1

54 46.4 40.0 60.0



#30

1,2,4-Trichlorobenzene

Concen: 2.193 ng

RT: 7.922 min Scan# 958

Delta R.T. -0.012 min

Lab File: BF130105.D

Acq: 02 Sep 2022 11:56

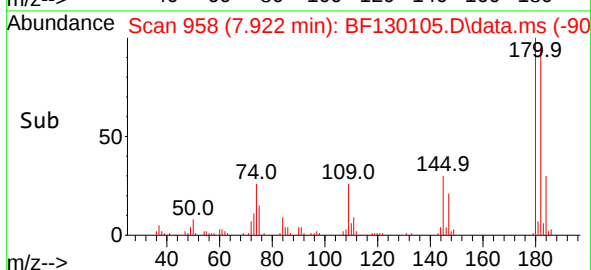
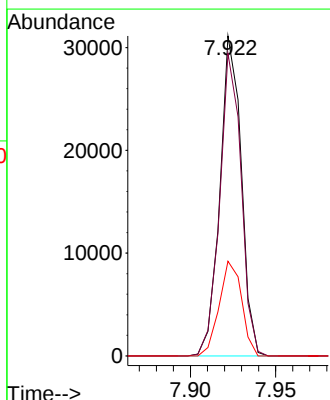
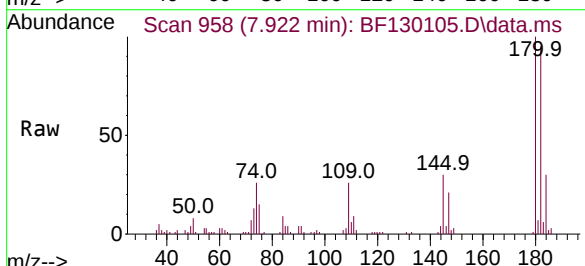
Tgt Ion:180 Resp: 27063

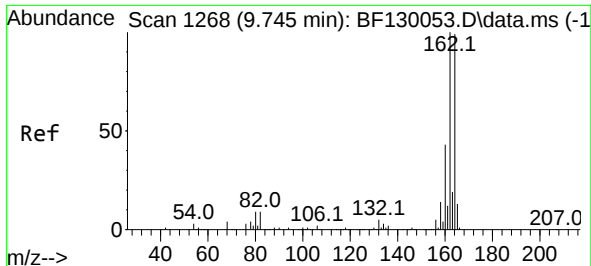
Ion Ratio Lower Upper

180 100

182 94.5 77.6 116.4

145 29.6 25.6 38.4

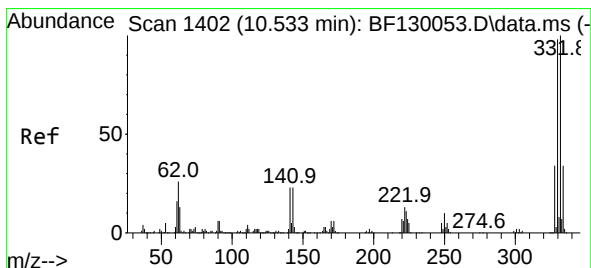
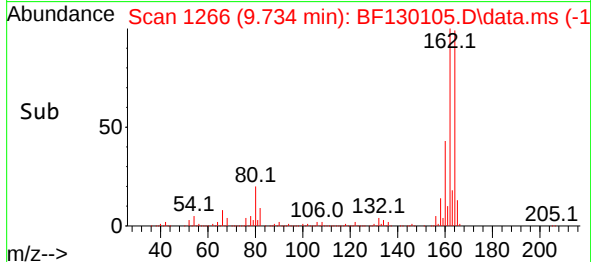
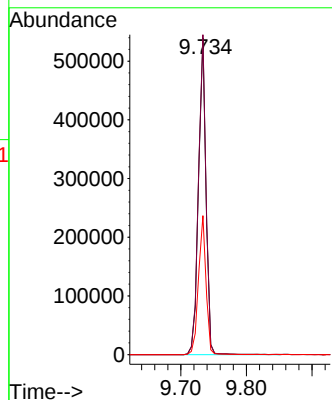
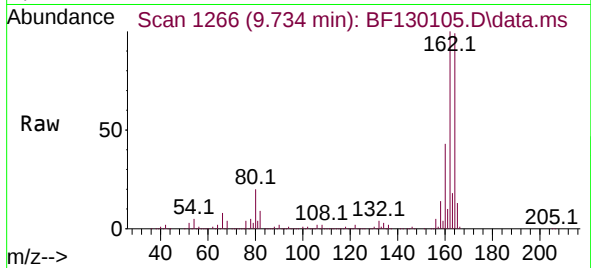




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.734 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF130105.D
Acq: 02 Sep 2022 11:56

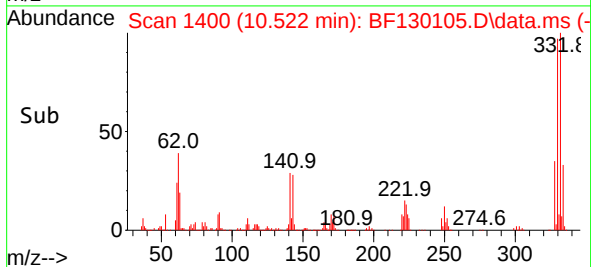
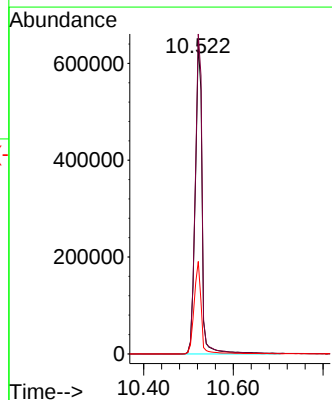
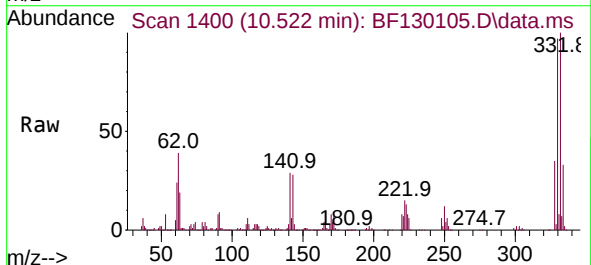
Instrument :
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XRDS-RECYCLED-SAND-SP-A-COMP

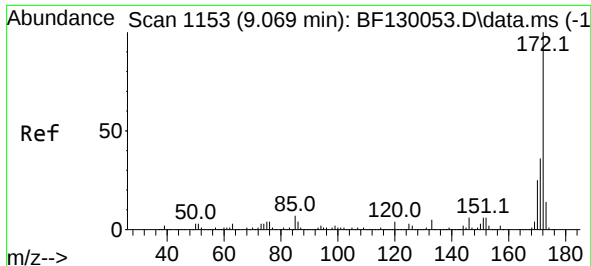
Tgt Ion:164 Resp: 427836
Ion Ratio Lower Upper
164 100
162 101.1 82.0 123.0
160 43.9 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 174.045 ng
RT: 10.522 min Scan# 1400
Delta R.T. -0.012 min
Lab File: BF130105.D
Acq: 02 Sep 2022 11:56

Tgt Ion:330 Resp: 677818
Ion Ratio Lower Upper
330 100
332 103.7 82.6 124.0
141 30.8 27.6 41.4

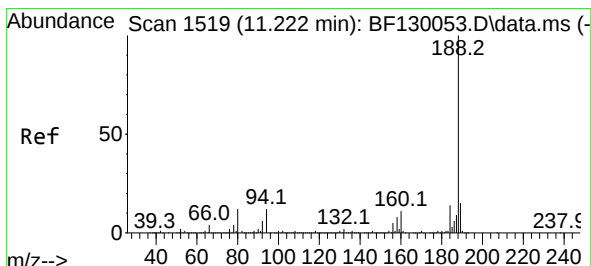
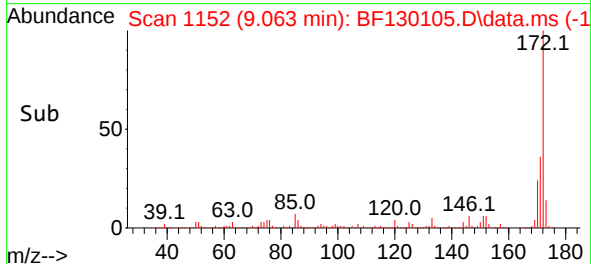
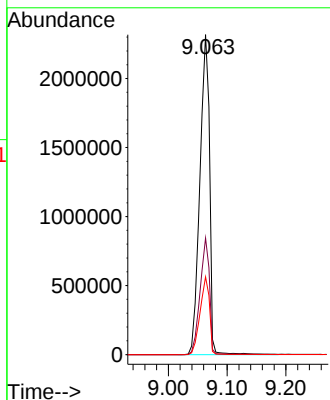
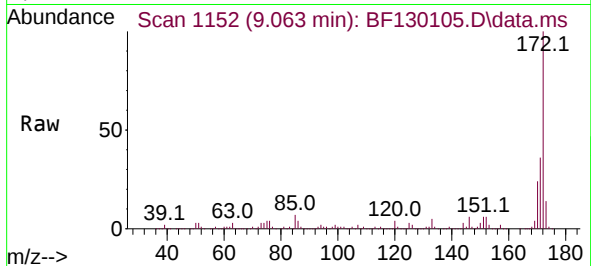




#45
2-Fluorobiphenyl
Concen: 102.678 ng
RT: 9.063 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF130105.D
Acq: 02 Sep 2022 11:56

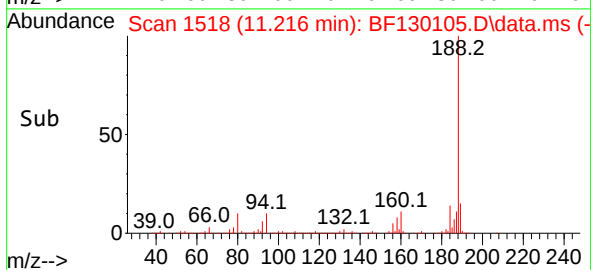
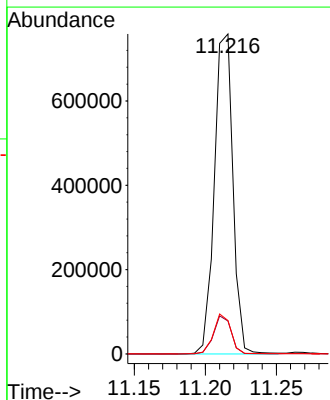
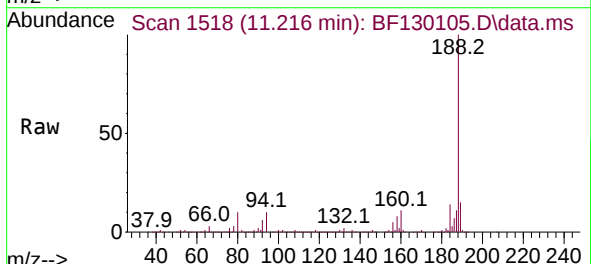
Instrument :
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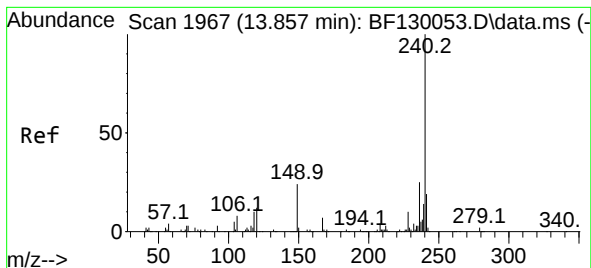
Tgt Ion:172 Resp: 2649610
Ion Ratio Lower Upper
172 100
171 36.4 28.4 42.6
170 24.3 19.1 28.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.216 min Scan# 1518
Delta R.T. -0.006 min
Lab File: BF130105.D
Acq: 02 Sep 2022 11:56

Tgt Ion:188 Resp: 691517
Ion Ratio Lower Upper
188 100
94 10.3 7.4 11.2
80 10.4 7.9 11.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.839 min Scan# 1964

Delta R.T. -0.017 min

Lab File: BF130105.D

Acq: 02 Sep 2022 11:56

Instrument :

BNA_F

ClientSampleId :

XRDS-RECYCLED-SAND-SP-A-COMP

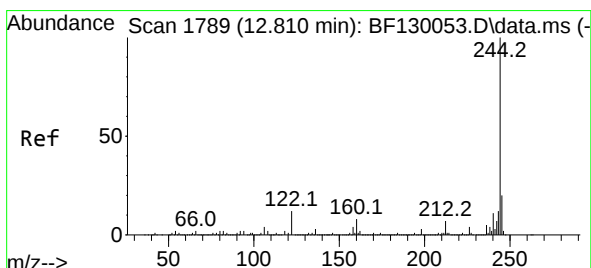
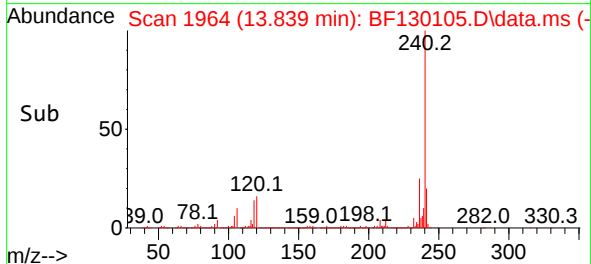
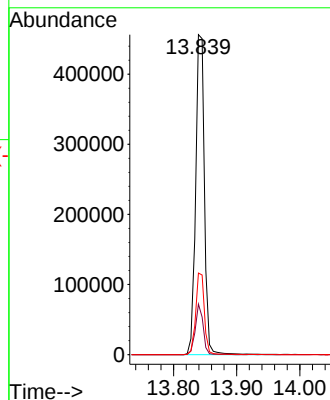
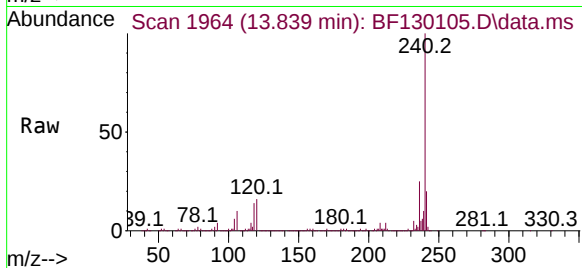
Tgt Ion:240 Resp: 442512

Ion Ratio Lower Upper

240 100

120 15.8 9.2 13.8#

236 25.5 20.7 31.1



#79

Terphenyl-d14

Concen: 104.357 ng

RT: 12.810 min Scan# 1789

Delta R.T. 0.000 min

Lab File: BF130105.D

Acq: 02 Sep 2022 11:56

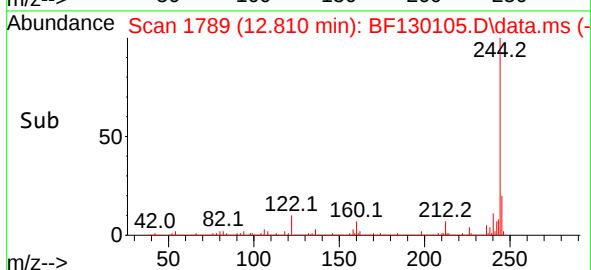
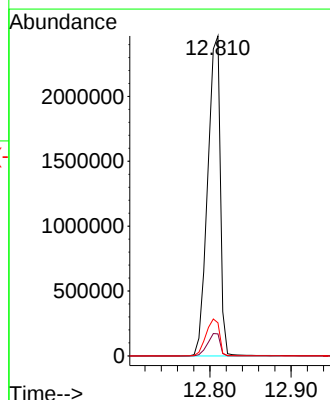
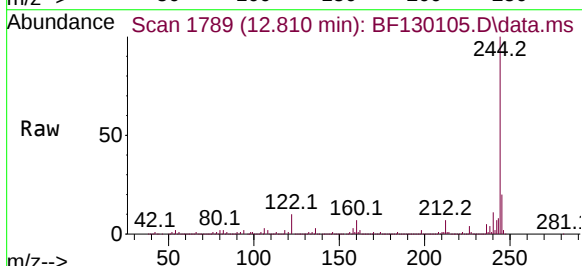
Tgt Ion:244 Resp: 2662965

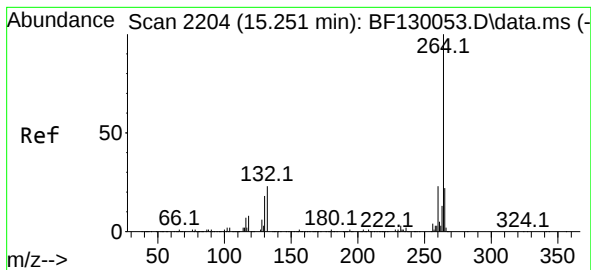
Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

122 10.3 9.9 14.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.245 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF130105.D

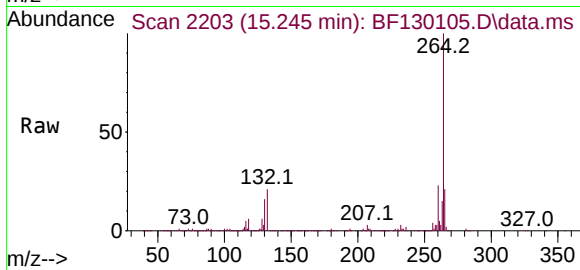
Acq: 02 Sep 2022 11:56

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:264 Resp: 371239

Ion Ratio Lower Upper

264 100

260 22.9 19.1 28.7

265 20.9 16.7 25.1

