

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 03 05:41:12 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)

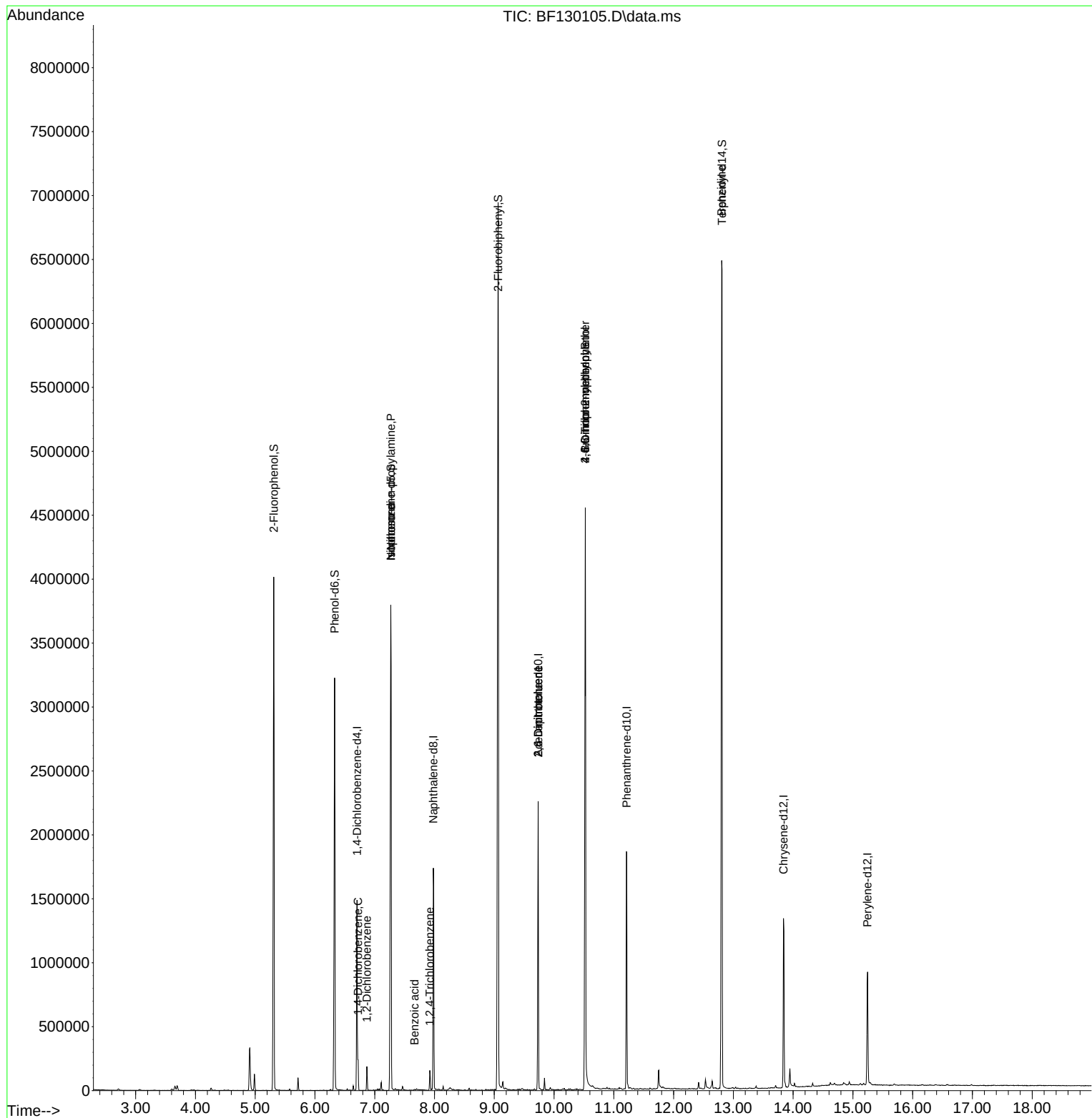
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.704	152	213101	20.000	ng	0.00
21) Naphthalene-d8	7.981	136	827866	20.000	ng	-0.01
39) Acenaphthene-d10	9.734	164	427836	20.000	ng	-0.01
64) Phenanthrene-d10	11.216	188	691517	20.000	ng	0.00
76) Chrysene-d12	13.839	240	442512	20.000	ng	#-0.02
86) Perylene-d12	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
19) n-Nitroso-di-n-propyla...	7.269	70	201361	21.358	ng	# 73
25) Isophorone	7.269	82	1551767	59.517	ng	# 65
30) 1,2,4-Trichlorobenzene	7.922	180	27063	2.193	ng	97
32) Benzoic acid	7.663	122	1354	6.703	ng	93
51) 2,6-Dinitrotoluene	9.734	165	55573	9.781	ng	# 22
57) 2,4-Dinitrotoluene	9.734	165	55573	8.496	ng	# 17
65) 4,6-Dinitro-2-methylph...	10.522	198	1556	6.498	ng	# 1
67) 4-Bromophenyl-phenylether	10.522	248	39290	5.108	ng	# 1
77) Benzidine	12.804	184	36369	3.044	ng	# 92

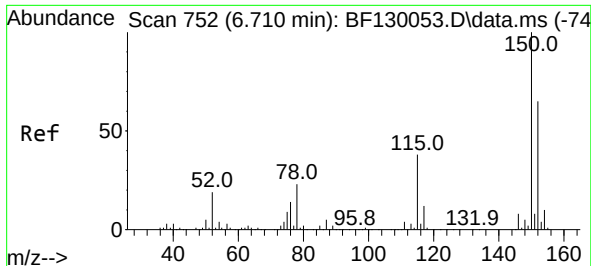
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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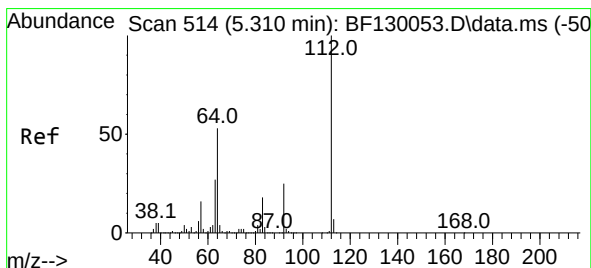
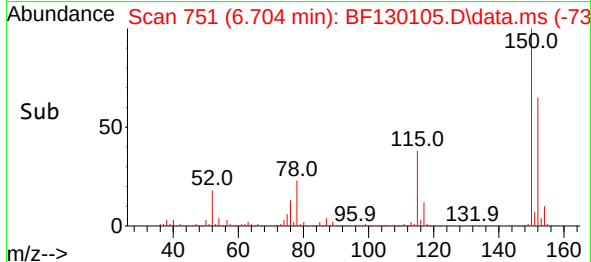
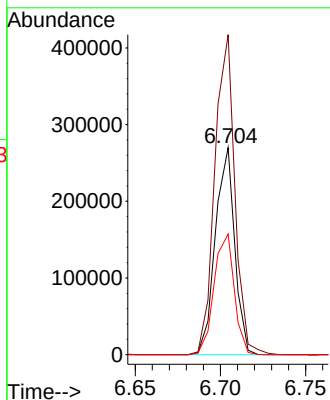
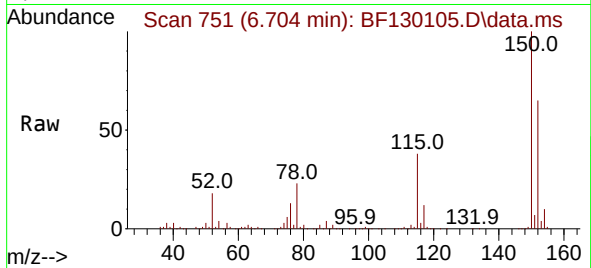




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.704 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF130105.D
 Acq: 02 Sep 2022 11:56

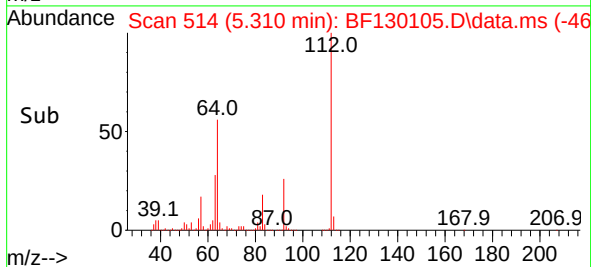
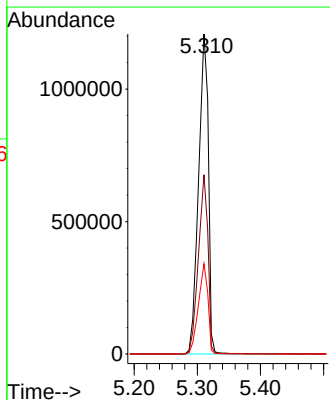
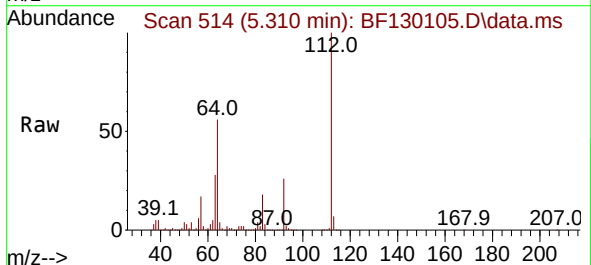
Instrument :
 BNA_F
 ClientSampleId :
 XRDS-RECYCLED-SAND-SP-A-COMP

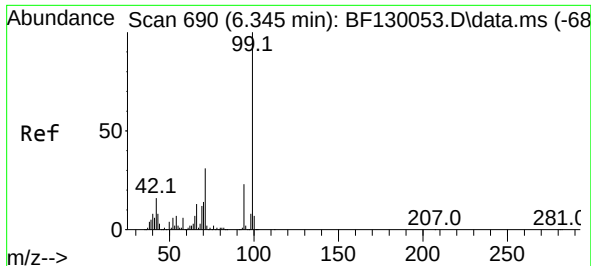
Tgt Ion:152 Resp: 213101
 Ion Ratio Lower Upper
 152 100
 150 154.6 126.9 190.3
 115 58.3 53.4 80.0



#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

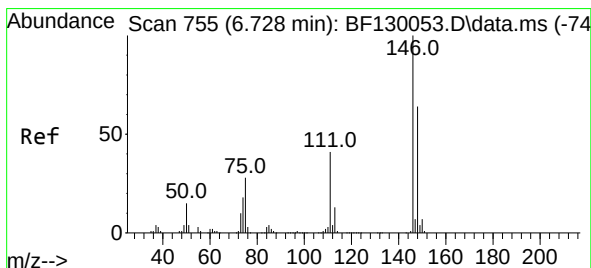
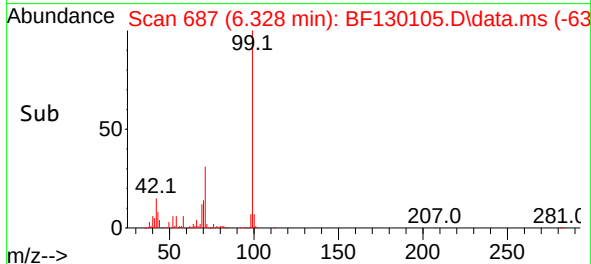
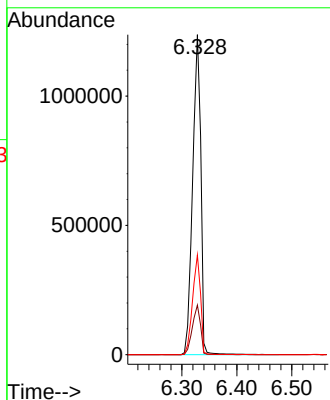
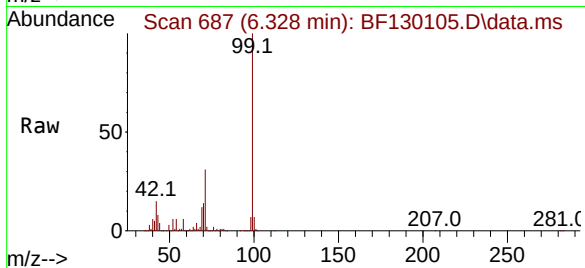




#7
Phenol-d6
Concen: 81.287 ng
RT: 6.328 min Scan# 687
Delta R.T. -0.017 min
Lab File: BF130105.D
Acq: 02 Sep 2022 11:56

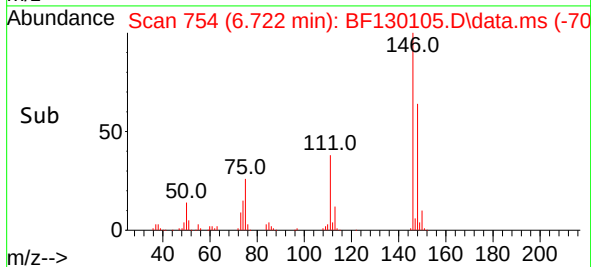
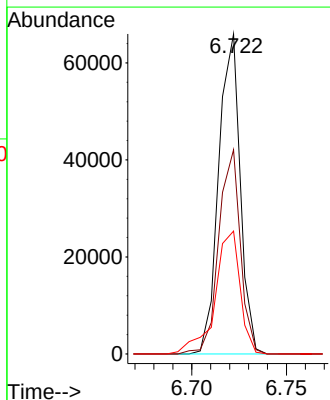
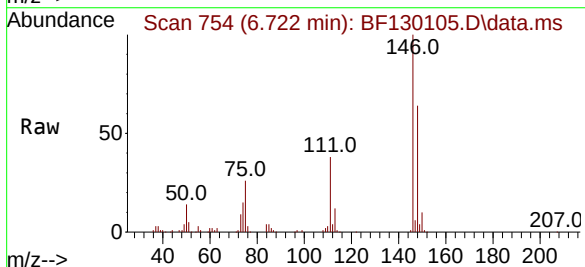
Instrument :
BNA_F
ClientSampleId :
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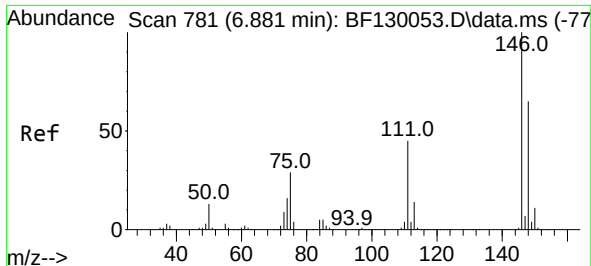
Tgt Ion: 99 Resp: 1272114
Ion Ratio Lower Upper
99 100
42 15.5 15.0 22.4
71 31.2 28.8 43.2



#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

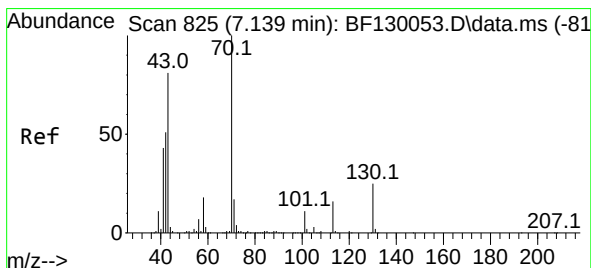
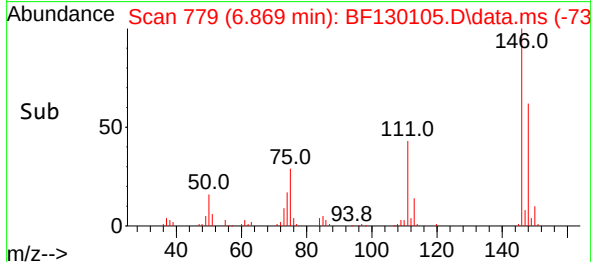
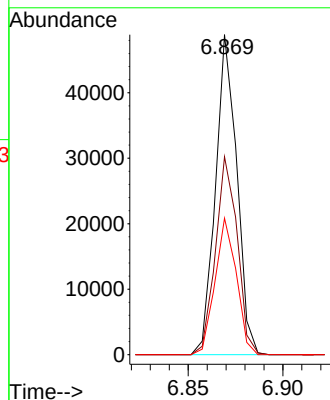
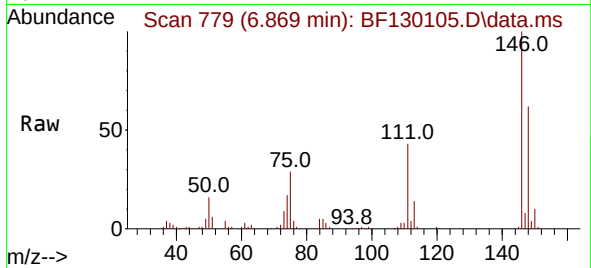




#14
1,2-Dichlorobenzene
Concen: 2.735 ng
RT: 6.869 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF130105.D
Acq: 02 Sep 2022 11:56

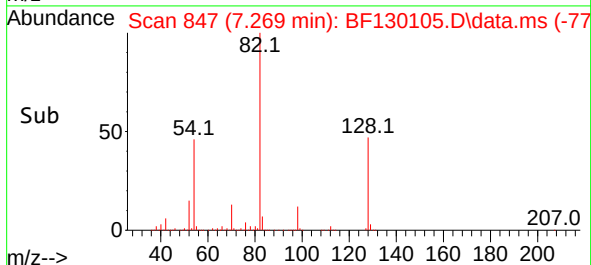
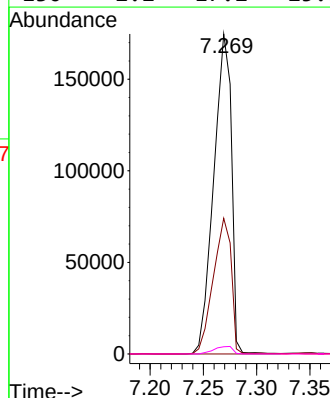
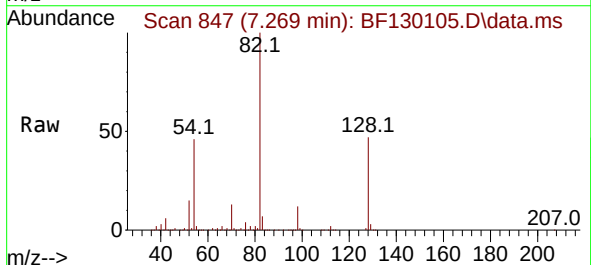
Instrument :
BNA_F
ClientSampleId :
XRDS-RECYCLED-SAND-SP-A-COMP

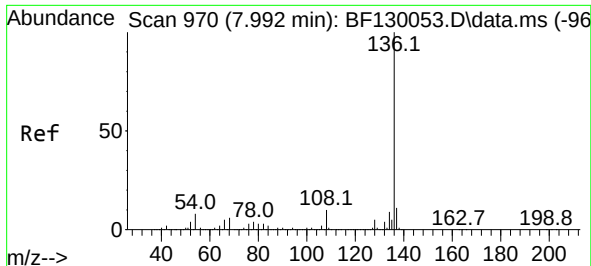
Tgt Ion:146 Resp: 38244
Ion Ratio Lower Upper
146 100
148 61.8 51.8 77.6
111 42.7 37.2 55.8



#19
n-Nitroso-di-n-propylamine
Concen: 21.358 ng
RT: 7.269 min Scan# 847
Delta R.T. 0.130 min
Lab File: BF130105.D
Acq: 02 Sep 2022 11:56

Tgt Ion: 70 Resp: 201361
Ion Ratio Lower Upper
70 100
42 42.4 47.6 71.4#
101 0.0 8.1 12.1#
130 2.2 17.2 25.8#



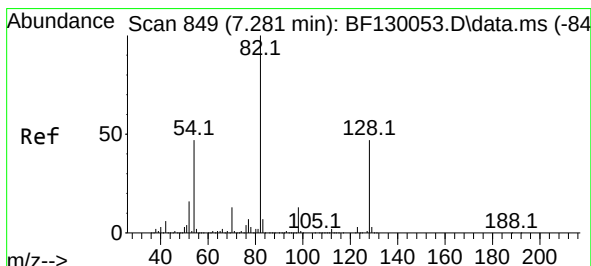
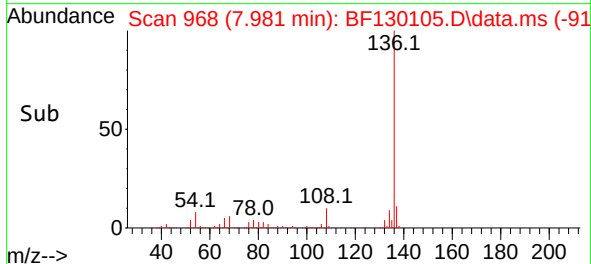
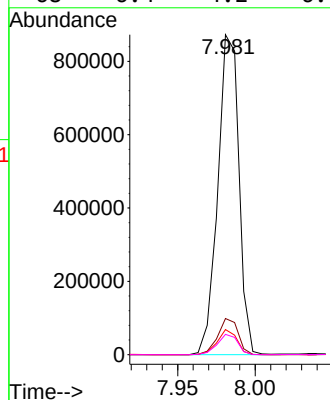
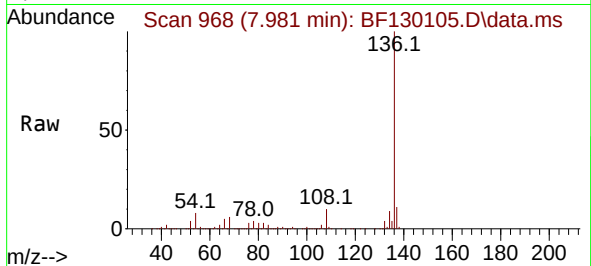


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.981 min Scan# 91
Delta R.T. -0.011 min
Lab File: BF130105.D
Acq: 02 Sep 2022 11:56

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

Tgt Ion:136 Resp: 827866

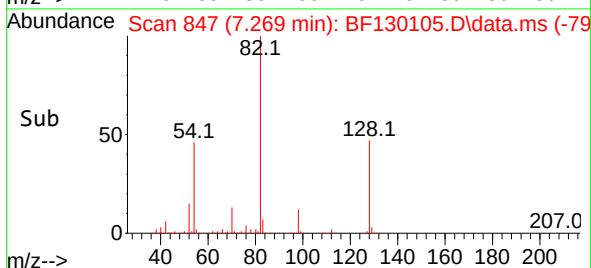
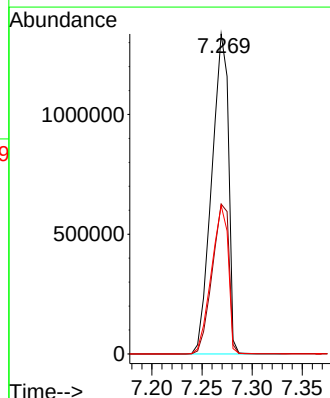
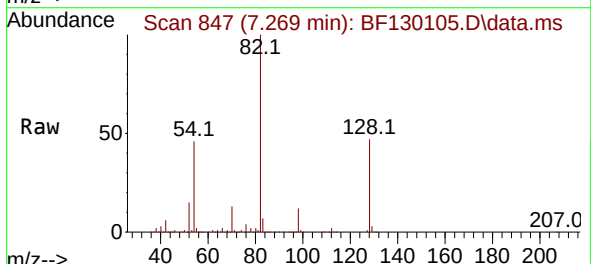
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.4	12.6
54	7.8	6.2	9.2
68	6.4	4.2	6.4

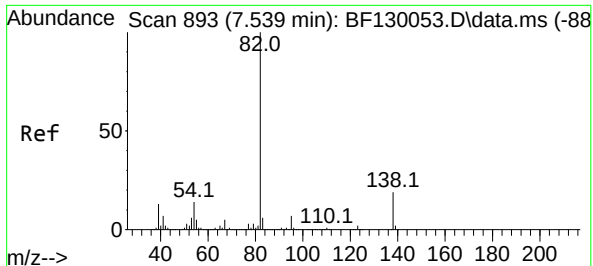


#23
Nitrobenzene-d5
Concen: 120.916 ng
RT: 7.269 min Scan# 847
Delta R.T. -0.012 min
Lab File: BF130105.D
Acq: 02 Sep 2022 11:56

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

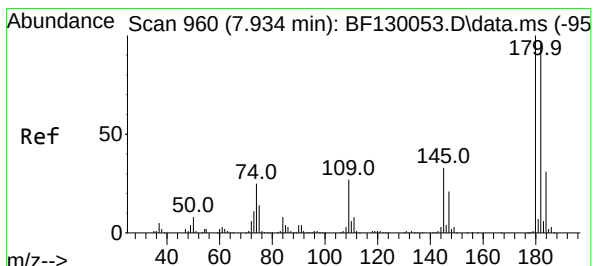
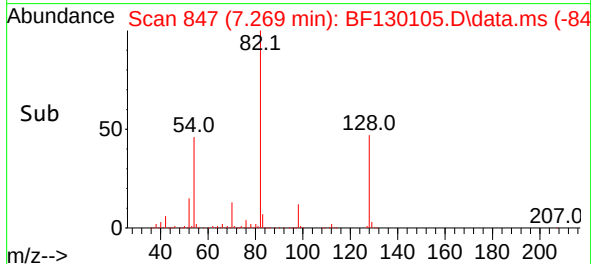
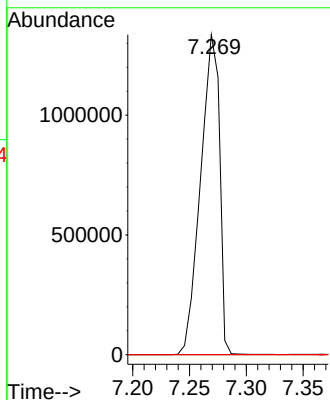
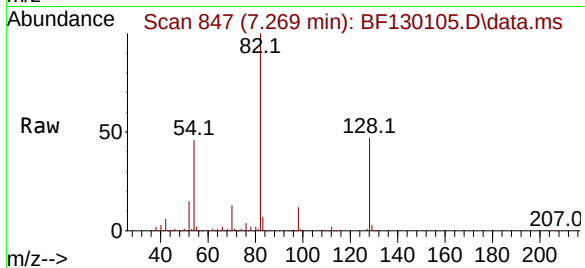




#25
Isophorone
Concen: 59.517 ng
RT: 7.269 min Scan# 847
Delta R.T. -0.270 min
Lab File: BF130105.D
Acq: 02 Sep 2022 11:56

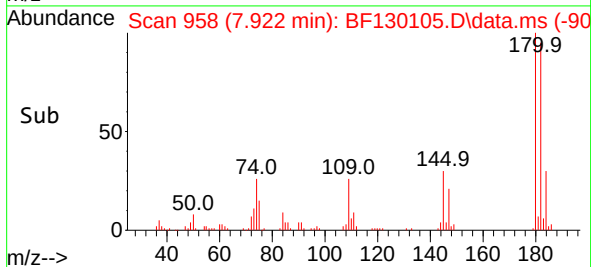
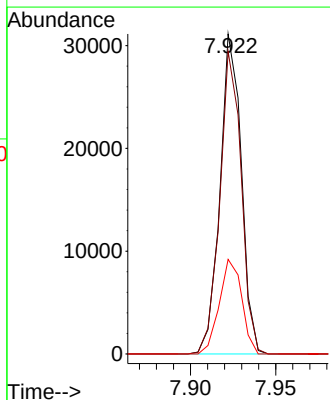
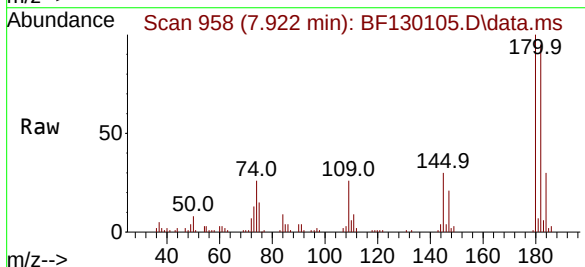
Instrument : BNA_F
ClientSampleId : XRDS-RECYCLED-SAND-SP-A-COMP

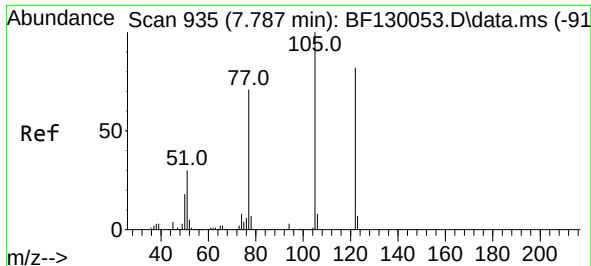
Tgt Ion: 82 Resp: 1551767
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.6 21.8#



#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

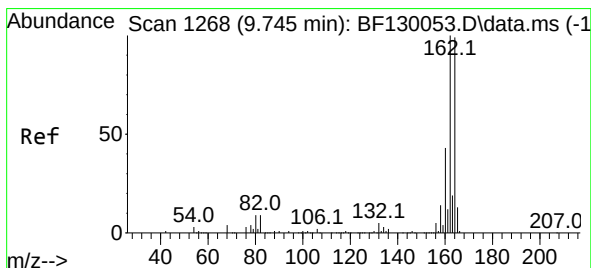
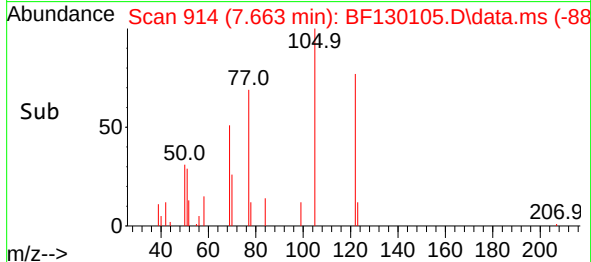
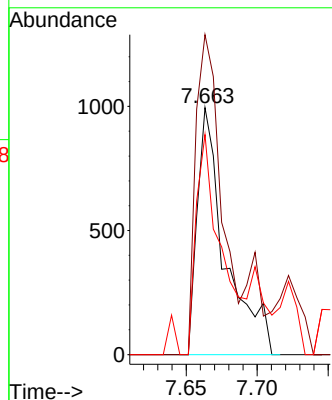
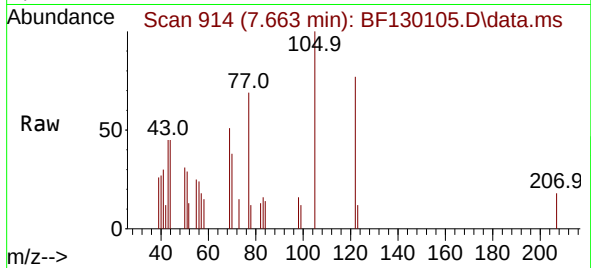




#32
Benzoic acid
Concen: 6.703 ng
RT: 7.663 min Scan# 914
Delta R.T. -0.124 min
Lab File: BF130105.D
Acq: 02 Sep 2022 11:56

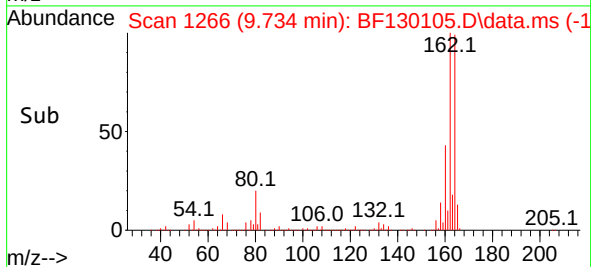
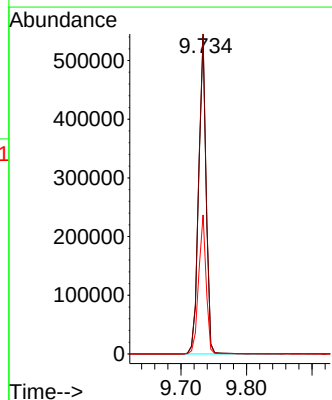
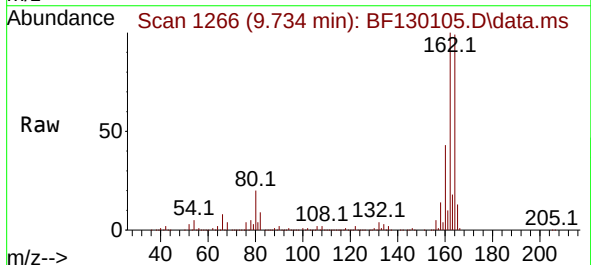
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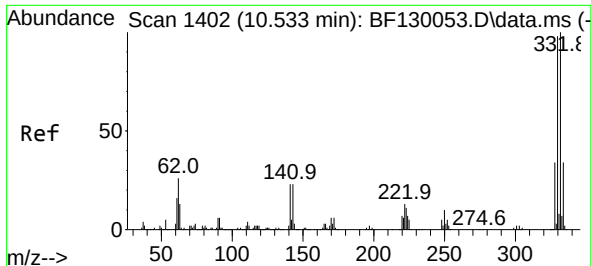
Tgt Ion:122 Resp: 1354
Ion Ratio Lower Upper
122 100
105 129.5 99.9 139.9
77 89.1 65.9 105.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.734 min Scan# 1266
Delta R.T. -0.011 min
Lab File: BF130105.D
Acq: 02 Sep 2022 11:56

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

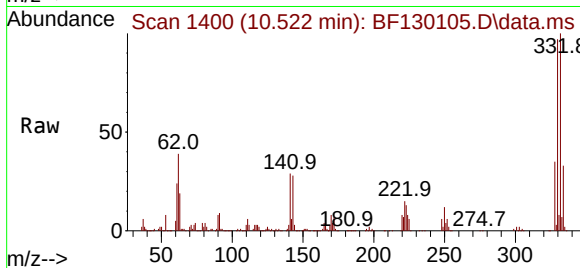
Acq: 02 Sep 2022 11:56

Instrument :

BNA_F

ClientSampleId :

XRDS-RECYCLED-SAND-SP-A-COMP



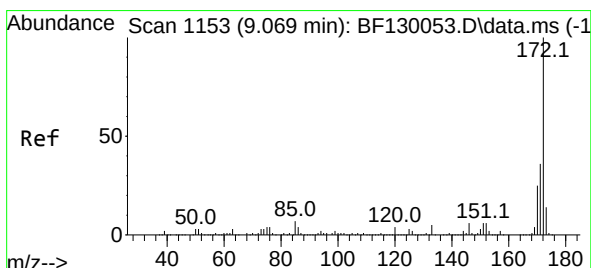
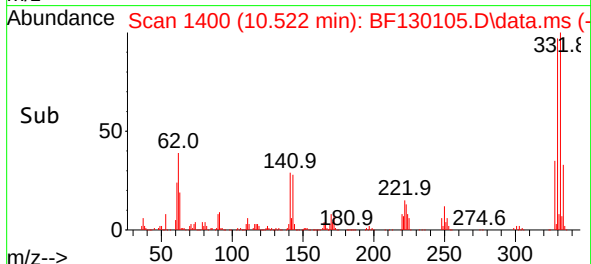
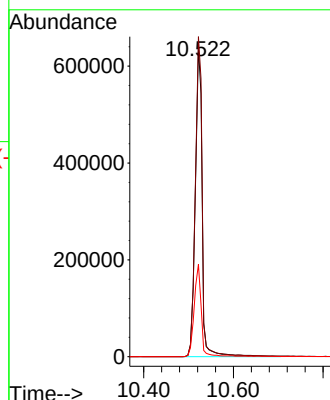
Tgt Ion:330 Resp: 677818

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# 1152

Delta R.T. -0.006 min

Lab File: BF130105.D

Acq: 02 Sep 2022 11:56

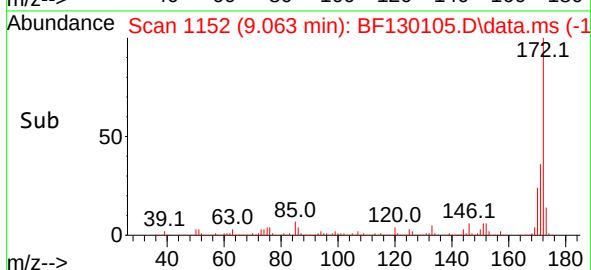
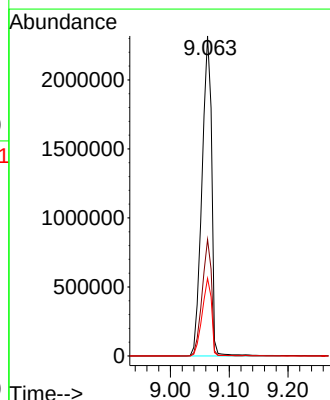
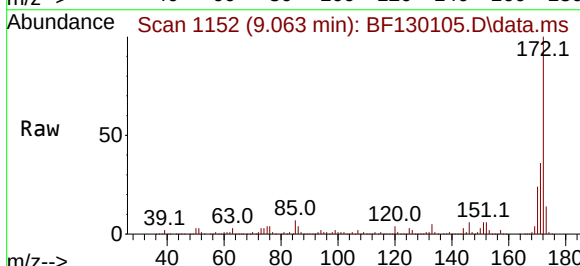
Tgt Ion:172 Resp: 2649610

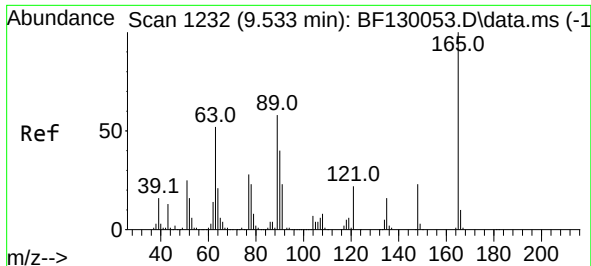
Ion Ratio Lower Upper

172 100

171 36.4 28.4 42.6

170 24.3 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 9.781 ng

RT: 9.734 min Scan# 1266

Delta R.T. 0.200 min

Lab File: BF130105.D

Acq: 02 Sep 2022 11:56

Instrument :

BNA_F

ClientSampleId :

XRDS-RECYCLED-SAND-SP-A-COMP

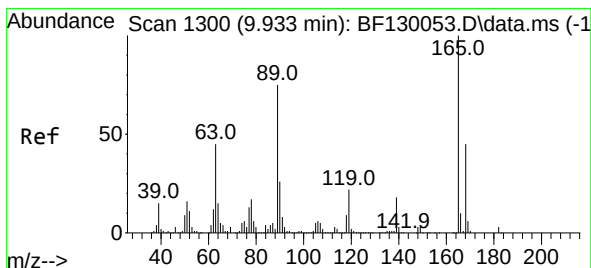
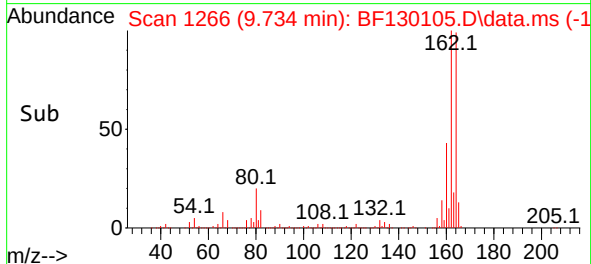
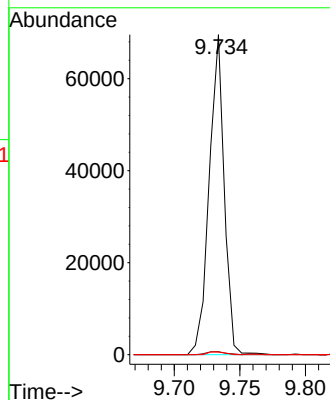
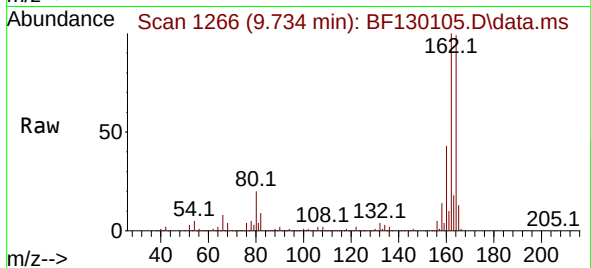
Tgt Ion:165 Resp: 55573

Ion Ratio Lower Upper

165 100

63 1.0 47.8 71.8#

89 0.8 47.2 70.8#



#57

2,4-Dinitrotoluene

Concen: 8.496 ng

RT: 9.734 min Scan# 1266

Delta R.T. -0.200 min

Lab File: BF130105.D

Acq: 02 Sep 2022 11:56

Tgt Ion:165 Resp: 55573

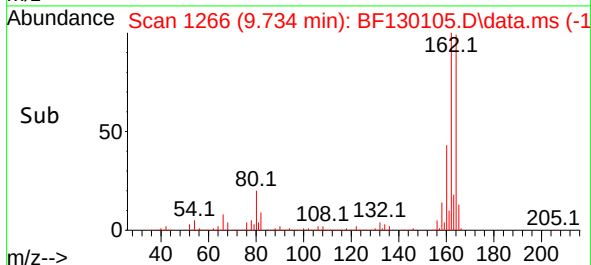
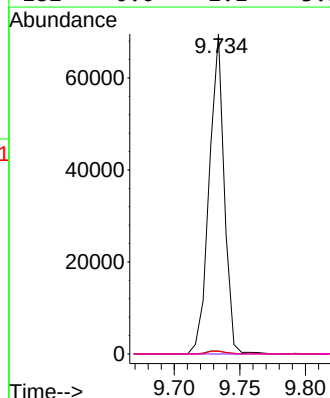
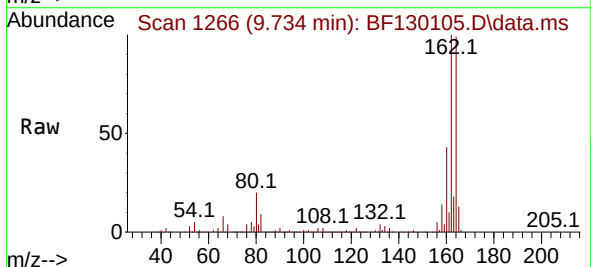
Ion Ratio Lower Upper

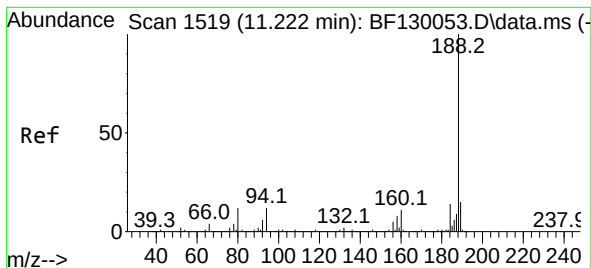
165 100

63 1.0 48.4 72.6#

89 0.8 62.3 93.5#

182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.216 min Scan# 11

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

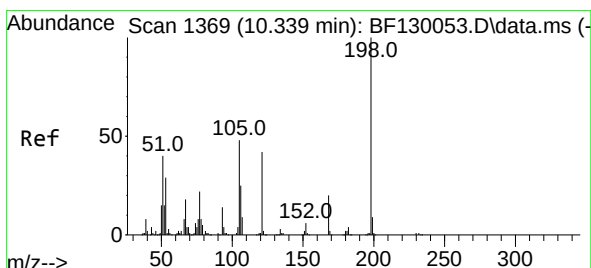
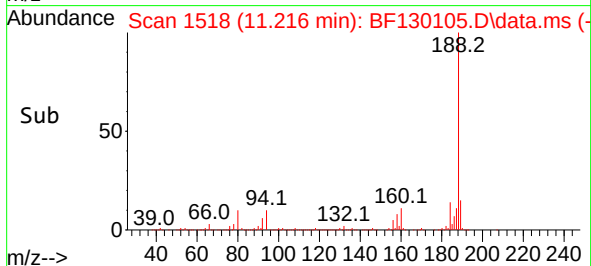
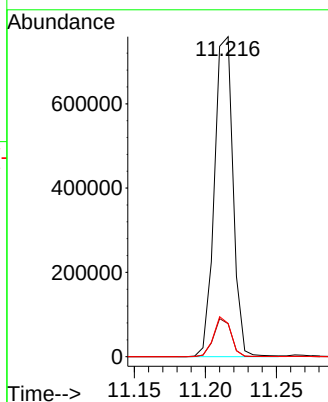
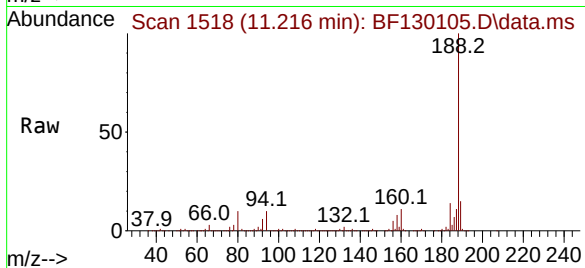
Tgt Ion:188 Resp: 691517

Ion Ratio Lower Upper

188 100

94 10.3 7.4 11.2

80 10.4 7.9 11.9



#65

4,6-Dinitro-2-methylphenol

Concen: 6.498 ng

RT: 10.522 min Scan# 1400

Delta R.T. 0.183 min

Lab File: BF130105.D

Acq: 02 Sep 2022 11:56

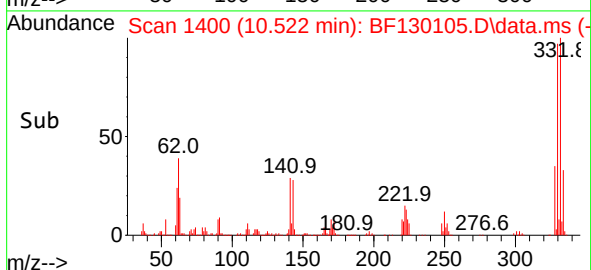
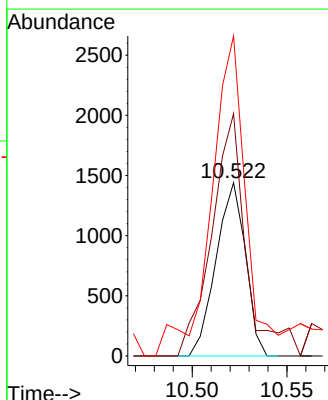
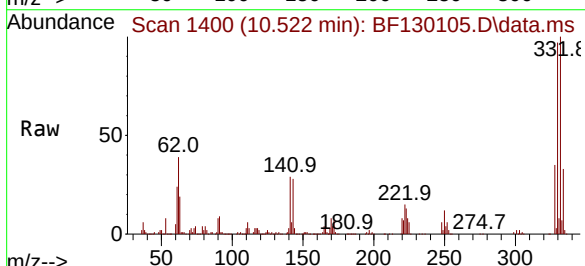
Tgt Ion:198 Resp: 1556

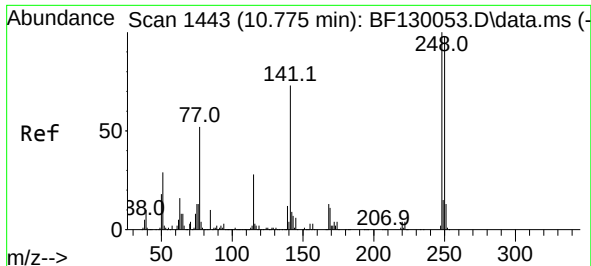
Ion Ratio Lower Upper

198 100

51 139.8 29.4 69.4#

105 184.7 29.2 69.2#





#67

4-Bromophenyl-phenylether

Concen: 5.108 ng

RT: 10.522 min Scan# 1443

Delta R.T. -0.253 min

Lab File: BF130105.D

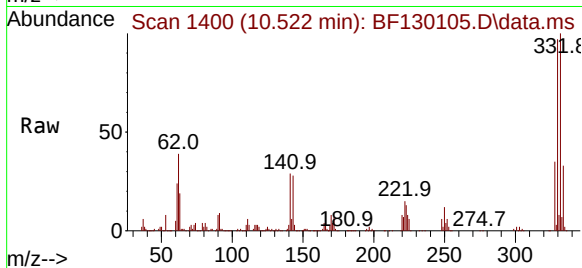
Acq: 02 Sep 2022 11:56

Instrument :

BNA_F

ClientSampleId :

XRDS-RECYCLED-SAND-SP-A-COMP



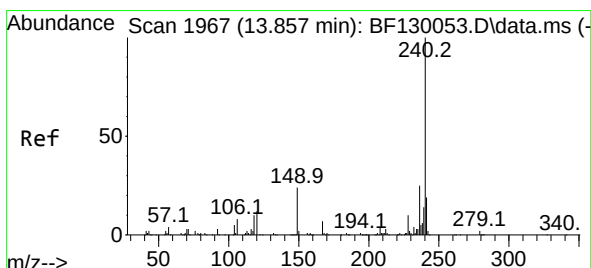
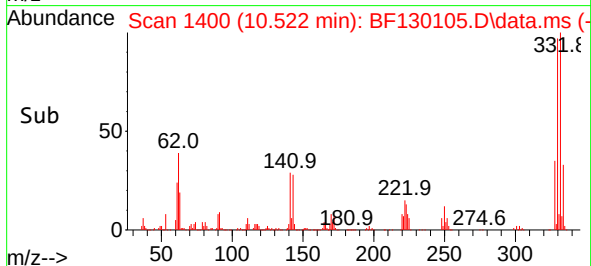
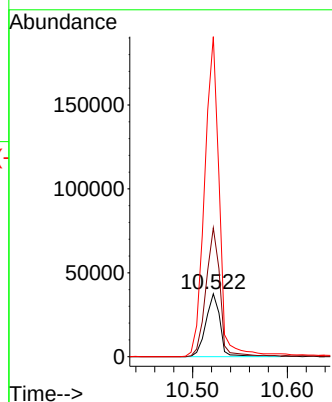
Tgt Ion:248 Resp: 39290

Ion Ratio Lower Upper

248 100

250 204.7 77.8 116.6#

141 508.6 66.2 99.2#



#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

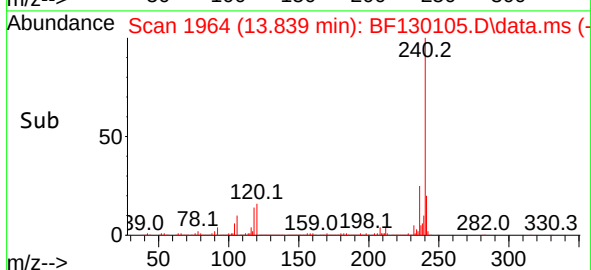
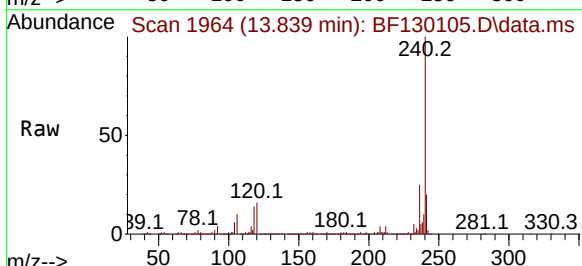
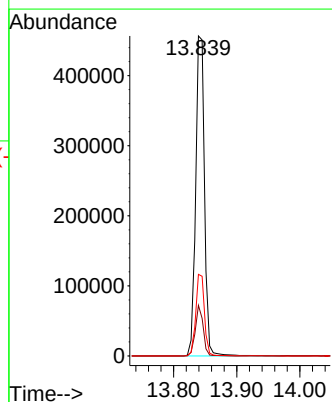
Tgt Ion:240 Resp: 442512

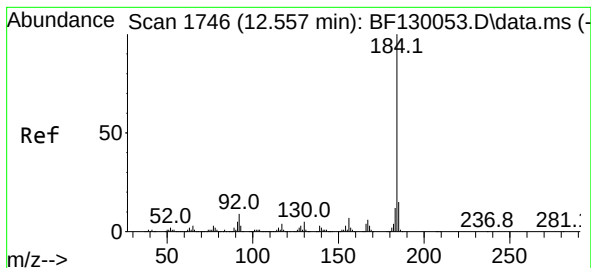
Ion Ratio Lower Upper

240 100

120 15.8 9.2 13.8#

236 25.5 20.7 31.1





#77

Benzidine

Concen: 3.044 ng

RT: 12.804 min Scan# 1788

Delta R.T. 0.247 min

Lab File: BF130105.D

Acq: 02 Sep 2022 11:56

Instrument :

BNA_F

ClientSampleId :

XRDS-RECYCLED-SAND-SP-A-COMP

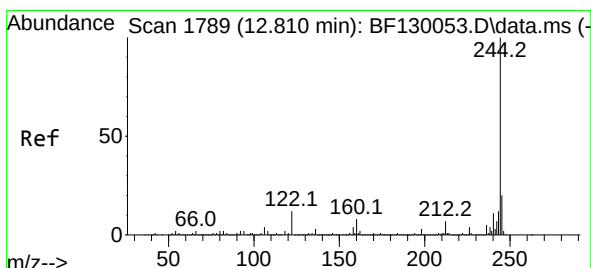
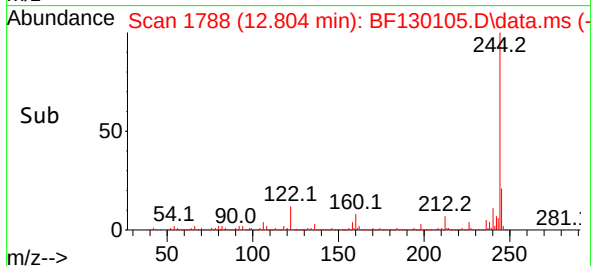
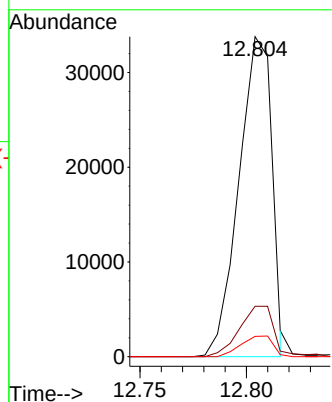
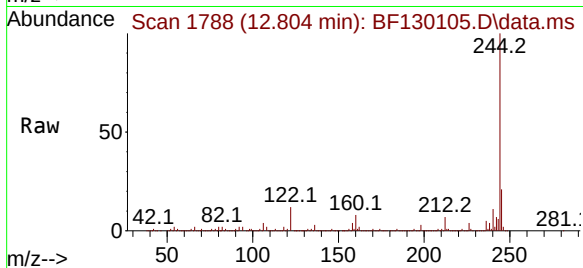
Tgt Ion:184 Resp: 36369

Ion Ratio Lower Upper

184 100

185 15.8 11.4 17.2

183 6.4 9.4 14.2#



#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

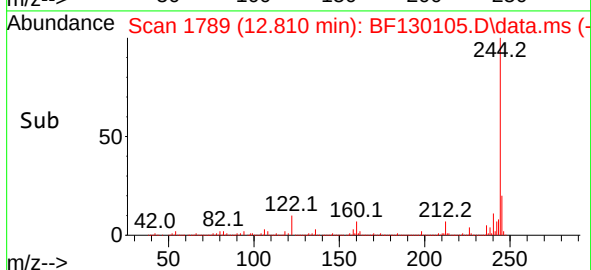
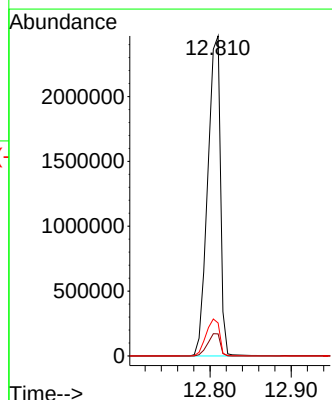
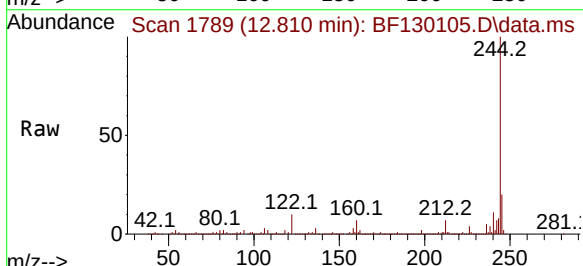
Tgt Ion:244 Resp: 2662965

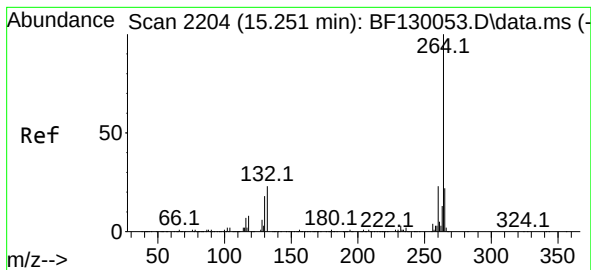
Ion Ratio Lower Upper

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

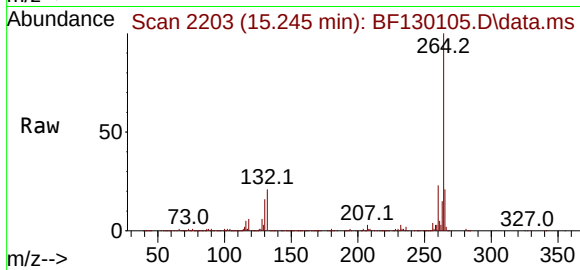
Acq: 02 Sep 2022 11:56

Instrument :

BNA_F

ClientSampleId :

XRDS-RECYCLED-SAND-SP-A-COMP



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

