

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
 Data File : BF140474.D
 Acq On : 19 Nov 2024 15:32
 Operator : RC/JU
 Sample : P4771-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P-2

Quant Time: Nov 19 15:54:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

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

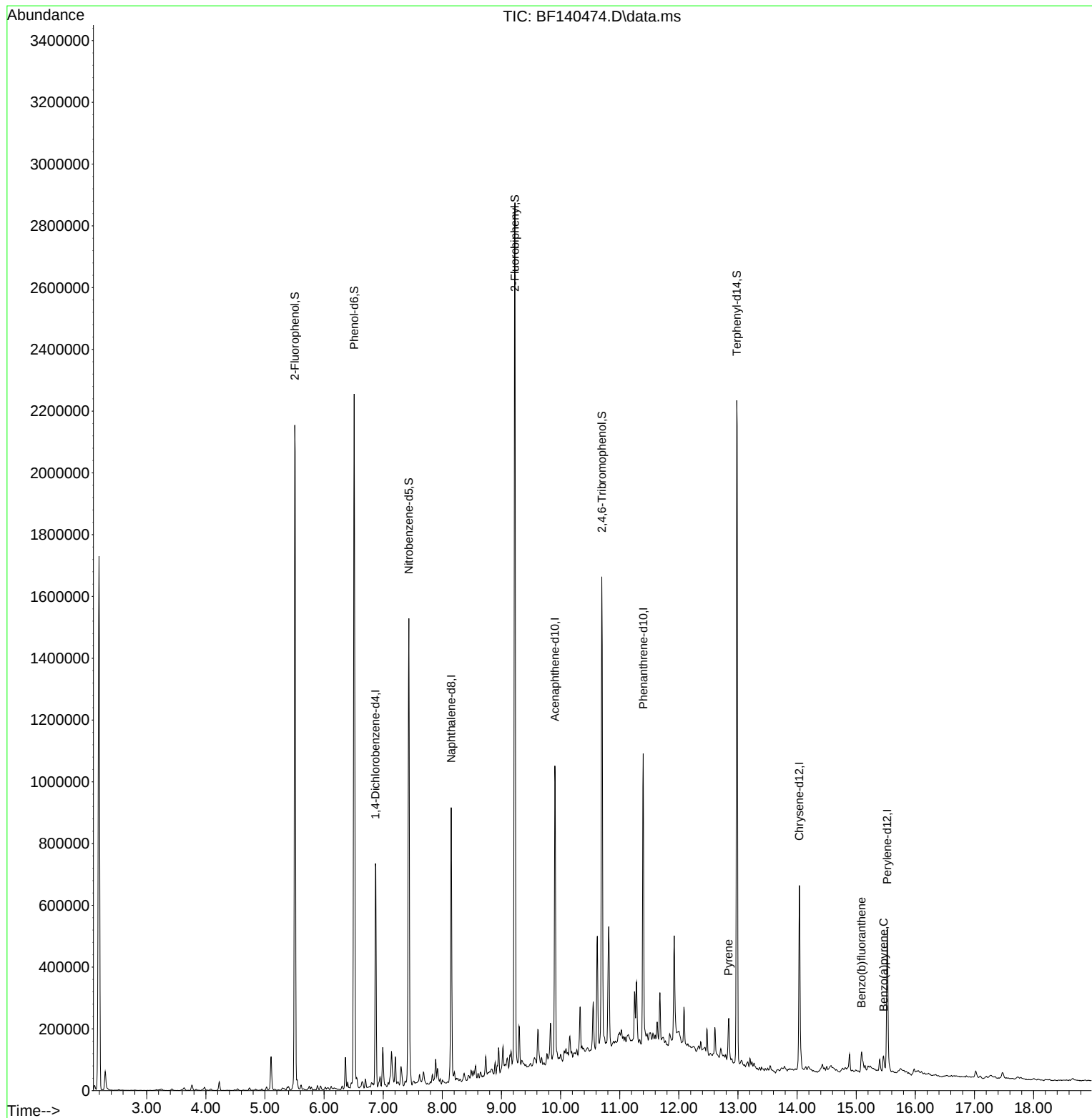
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	147130	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	564055	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	300744	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	495297	20.000	ng	0.00
76) Chrysene-d12	14.039	240	267729	20.000	ng	-0.01
86) Perylene-d12	15.527	264	276612	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	830134	96.334	ng	0.01
7) Phenol-d6	6.510	99	1117927	95.754	ng	0.00
23) Nitrobenzene-d5	7.434	82	723199	66.803	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	268840	89.893	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1314291	70.252	ng	0.00
79) Terphenyl-d14	12.980	244	1080286	70.039	ng	0.00
Target Compounds						
78) Pyrene	12.839	202	63202	2.760	ng	Qvalue 98
88) Benzo(b)fluoranthene	15.092	252	43686m	2.414	ng	
90) Benzo(a)pyrene	15.462	252	28841	2.052	ng	# 95

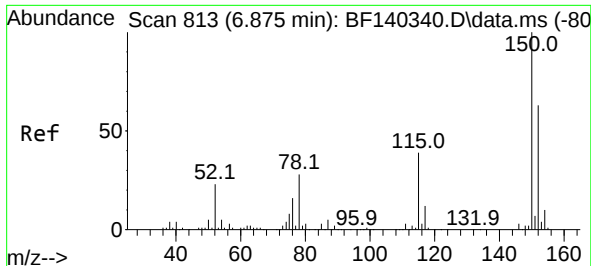
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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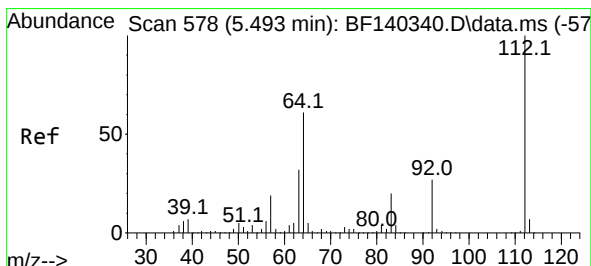
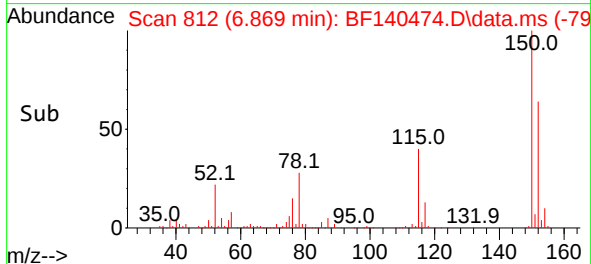
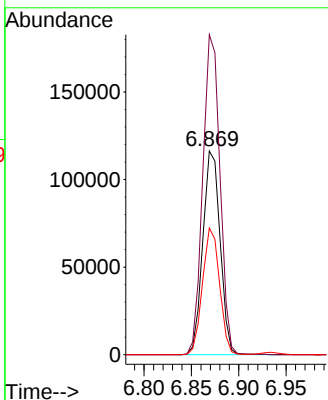
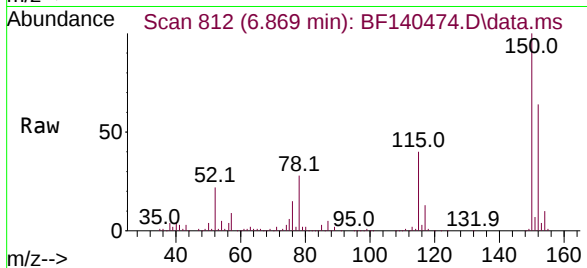




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.012 min
Lab File: BF140474.D
Acq: 19 Nov 2024 15:32

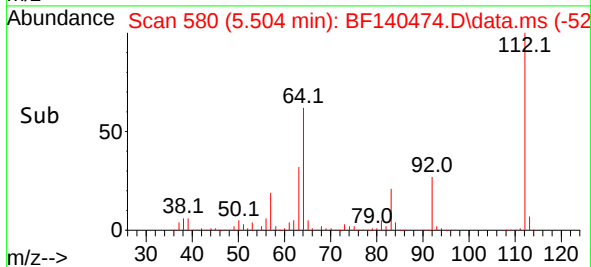
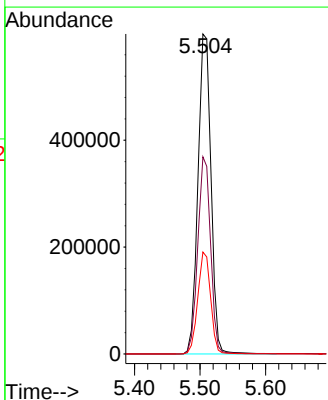
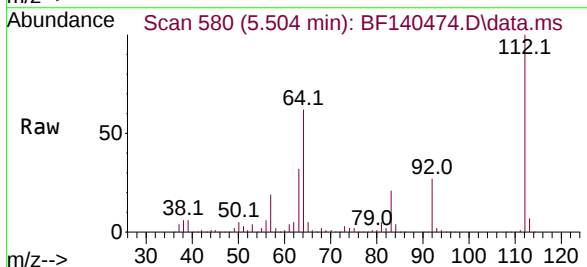
Instrument :
BNA_F
ClientSampleId :
P-2

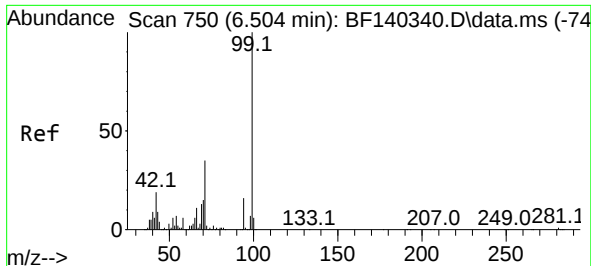
Tgt Ion:152 Resp: 147130
Ion Ratio Lower Upper
152 100
150 157.1 127.4 191.0
115 62.2 47.4 71.2



#5
2-Fluorophenol
Concen: 96.334 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140474.D
Acq: 19 Nov 2024 15:32

Tgt Ion:112 Resp: 830134
Ion Ratio Lower Upper
112 100
64 61.6 49.2 73.8
63 31.9 25.6 38.4





#7

Phenol-d6

Concen: 95.754 ng

RT: 6.510 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF140474.D

Acq: 19 Nov 2024 15:32

Instrument :

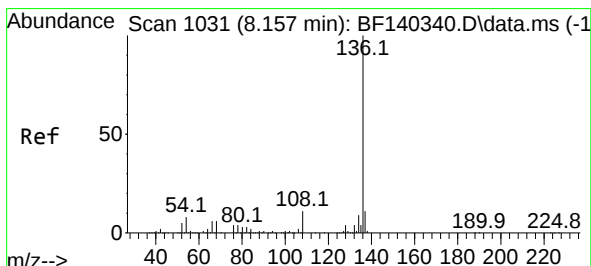
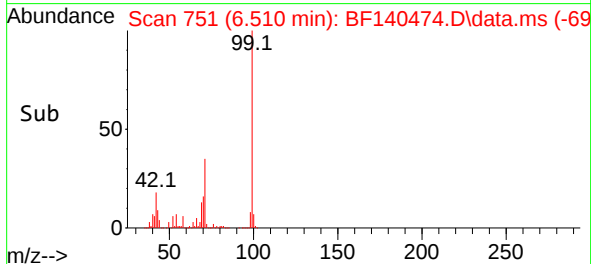
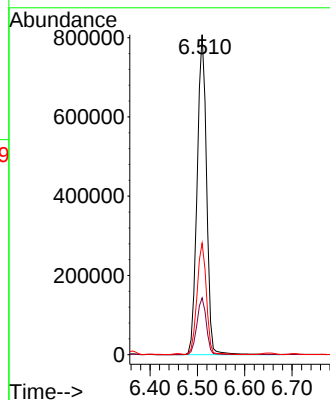
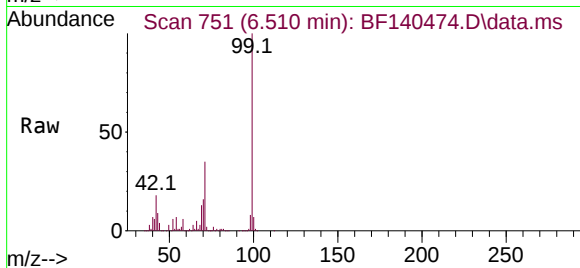
BNA_F

ClientSampleId :

P-2

Tgt Ion: 99 Resp: 1117927

Ion	Ratio	Lower	Upper
99	100		
42	17.7	15.1	22.7
71	34.8	27.9	41.9



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 1030

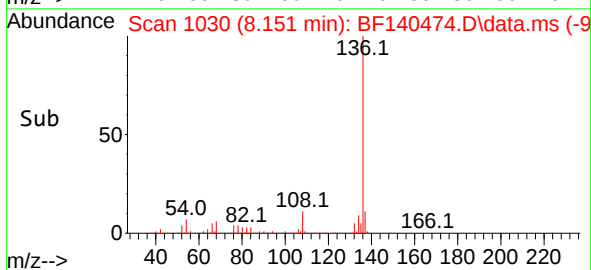
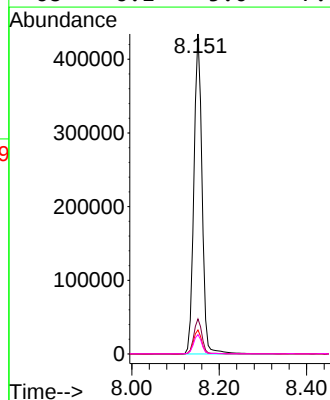
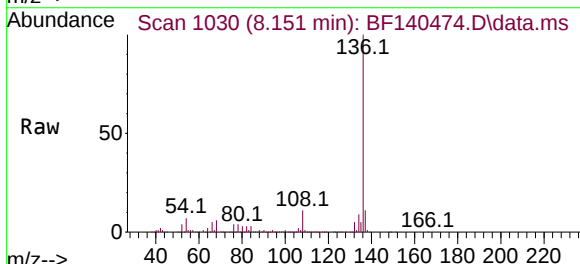
Delta R.T. -0.006 min

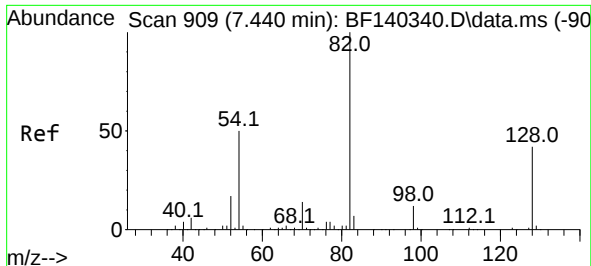
Lab File: BF140474.D

Acq: 19 Nov 2024 15:32

Tgt Ion: 136 Resp: 564055

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	7.5	6.5	9.7
68	6.1	5.0	7.6

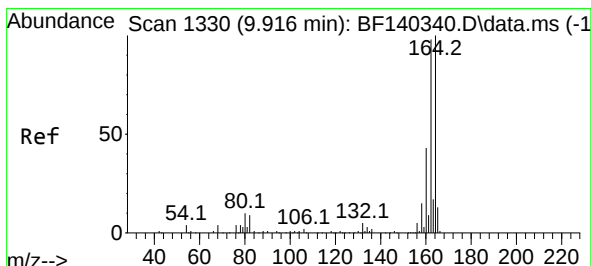
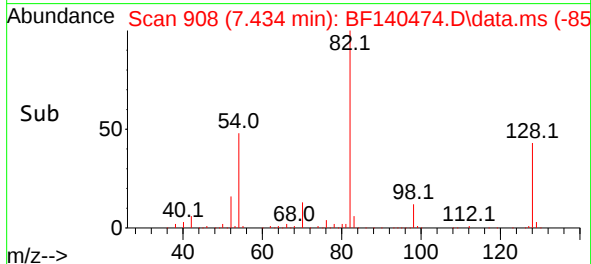
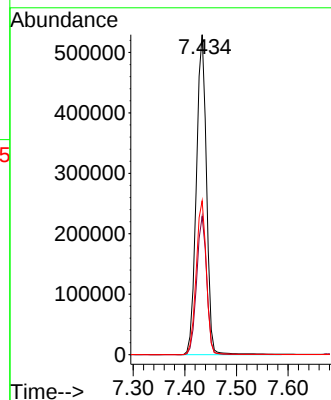
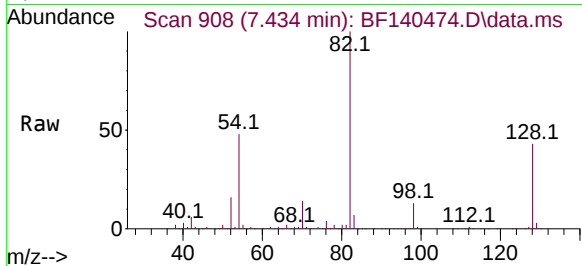




#23
 Nitrobenzene-d5
 Concen: 66.803 ng
 RT: 7.434 min Scan# 909
 Delta R.T. -0.006 min
 Lab File: BF140474.D
 Acq: 19 Nov 2024 15:32

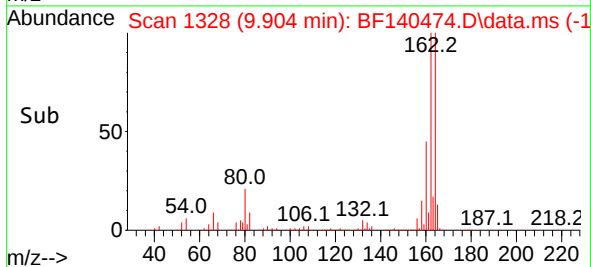
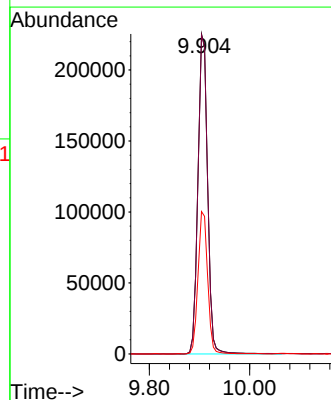
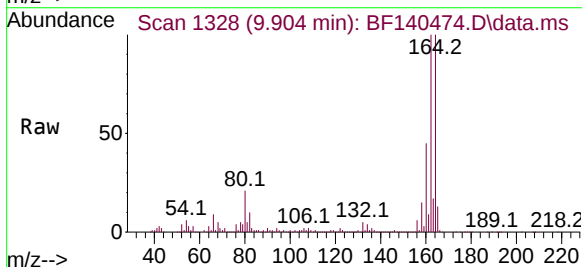
Instrument :
 BNA_F
 ClientSampleId :
 P-2

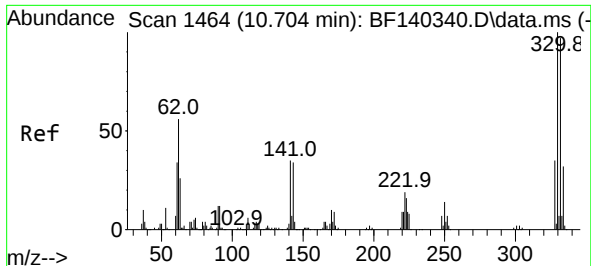
Tgt Ion: 82 Resp: 723199
 Ion Ratio Lower Upper
 82 100
 128 43.2 33.3 49.9
 54 48.1 39.8 59.8



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.904 min Scan# 1328
 Delta R.T. -0.012 min
 Lab File: BF140474.D
 Acq: 19 Nov 2024 15:32

Tgt Ion:164 Resp: 300744
 Ion Ratio Lower Upper
 164 100
 162 99.7 79.8 119.8
 160 44.5 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 89.893 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140474.D

Acq: 19 Nov 2024 15:32

Instrument :

BNA_F

ClientSampleId :

P-2

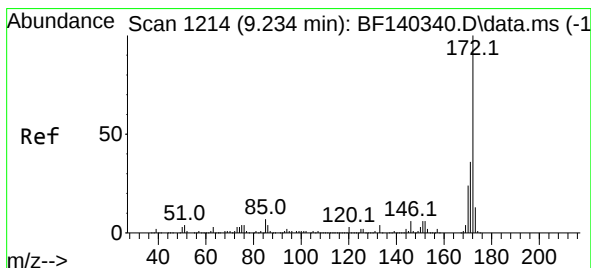
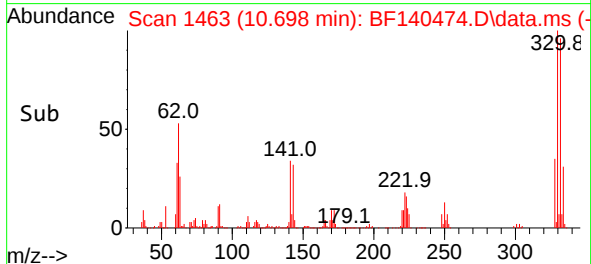
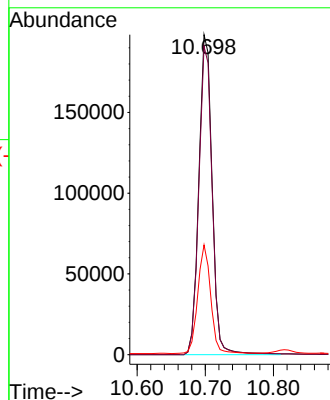
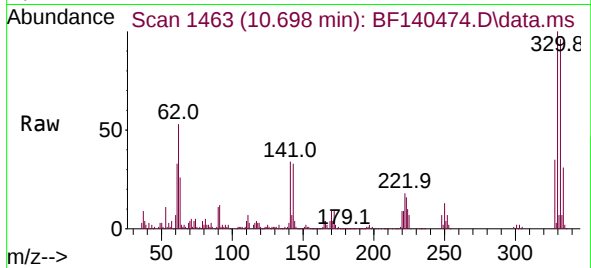
Tgt Ion:330 Resp: 268840

Ion Ratio Lower Upper

330 100

332 96.9 75.9 113.9

141 33.0 26.9 40.3



#45

2-Fluorobiphenyl

Concen: 70.252 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140474.D

Acq: 19 Nov 2024 15:32

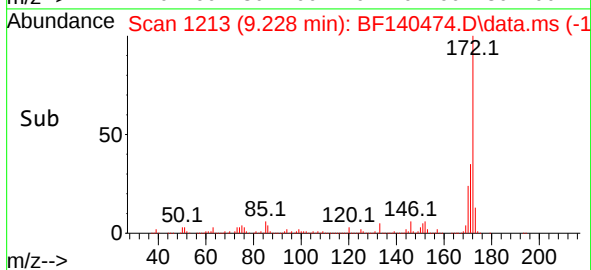
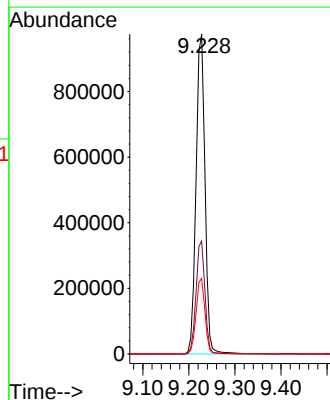
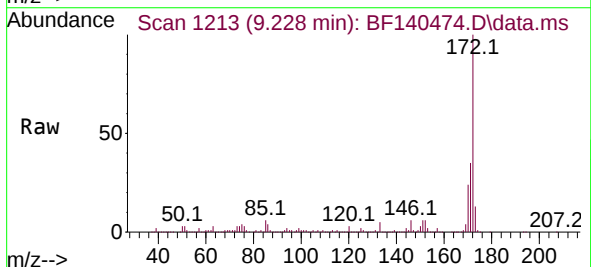
Tgt Ion:172 Resp: 1314291

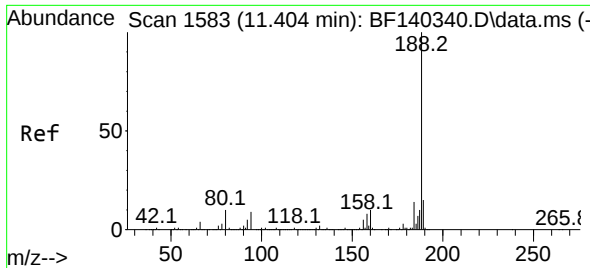
Ion Ratio Lower Upper

172 100

171 35.3 28.5 42.7

170 23.6 19.1 28.7

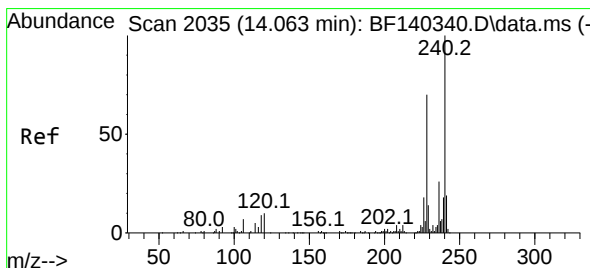
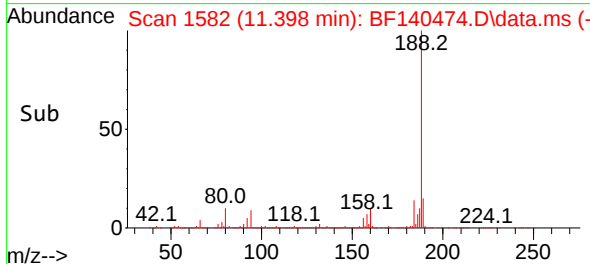
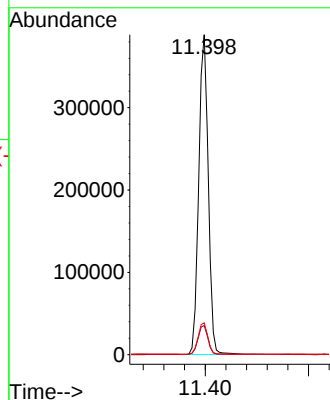
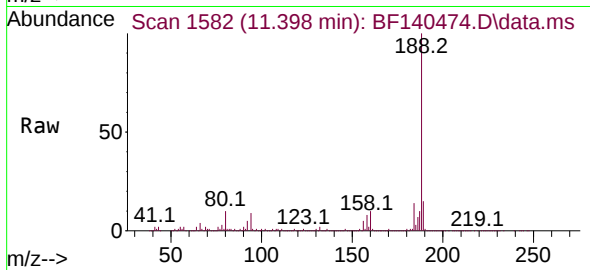




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140474.D
Acq: 19 Nov 2024 15:32

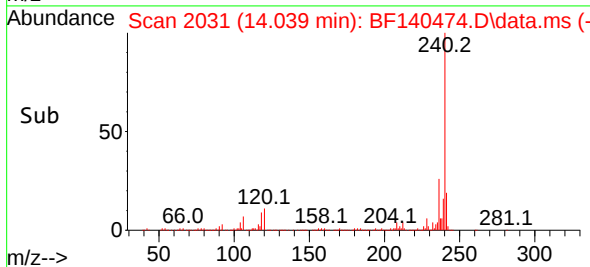
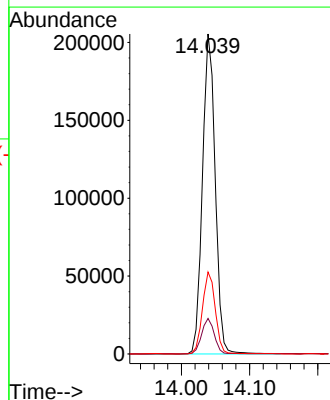
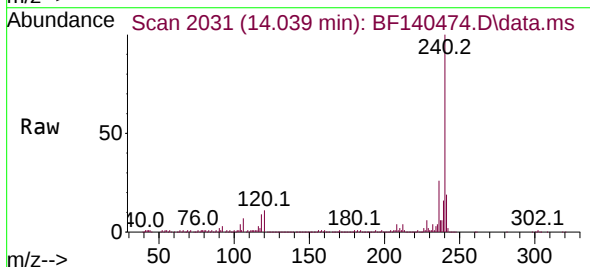
Instrument :
BNA_F
ClientSampleId :
P-2

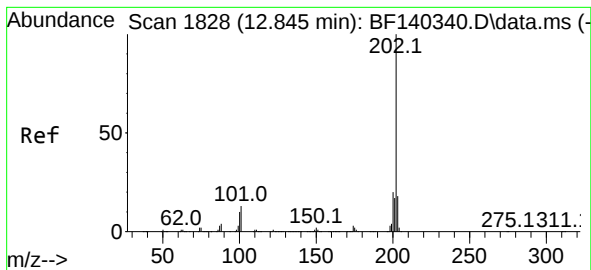
Tgt Ion:188 Resp: 495297
Ion Ratio Lower Upper
188 100
94 9.1 7.6 11.4
80 10.0 8.0 12.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF140474.D
Acq: 19 Nov 2024 15:32

Tgt Ion:240 Resp: 267729
Ion Ratio Lower Upper
240 100
120 11.1 8.8 13.2
236 25.6 20.9 31.3





#78

Pyrene

Concen: 2.760 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF140474.D

Acq: 19 Nov 2024 15:32

Instrument :

BNA_F

ClientSampleId :

P-2

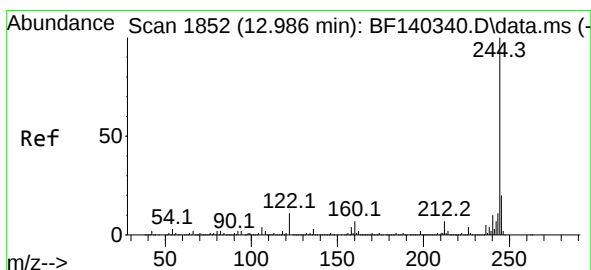
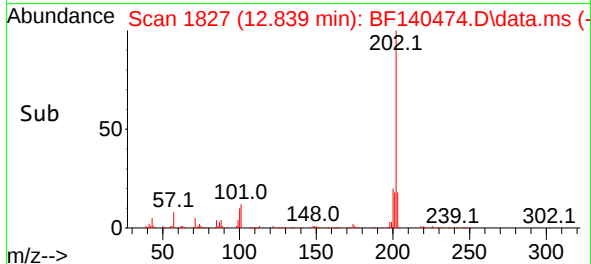
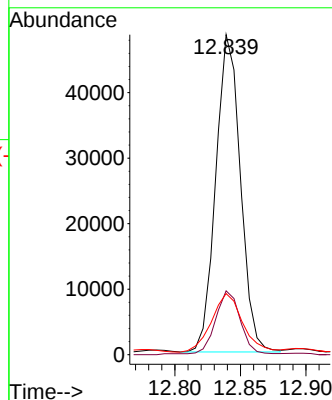
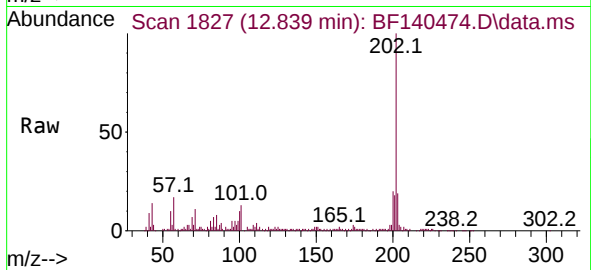
Tgt Ion:202 Resp: 63202

Ion Ratio Lower Upper

202 100

200 20.0 16.2 24.2

203 19.1 14.2 21.4



#79

Terphenyl-d14

Concen: 70.039 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF140474.D

Acq: 19 Nov 2024 15:32

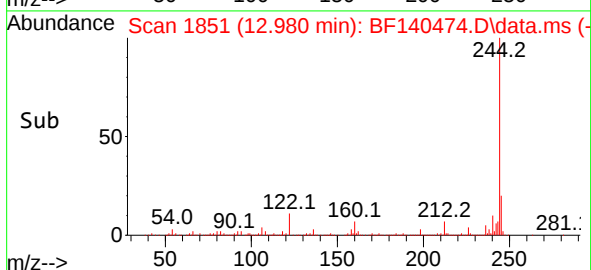
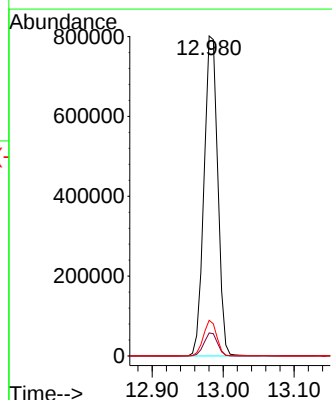
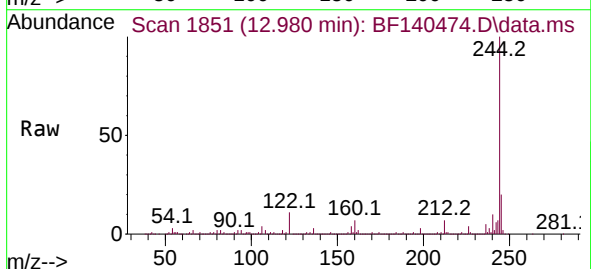
Tgt Ion:244 Resp: 1080286

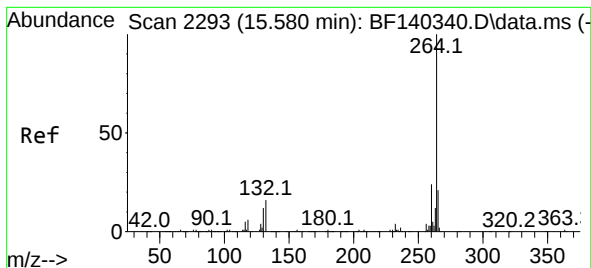
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

122 11.2 8.8 13.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF140474.D

Acq: 19 Nov 2024 15:32

Instrument :

BNA_F

ClientSampleId :

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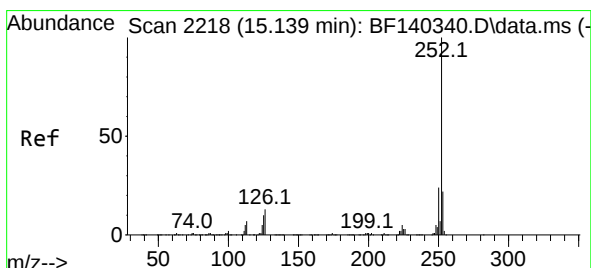
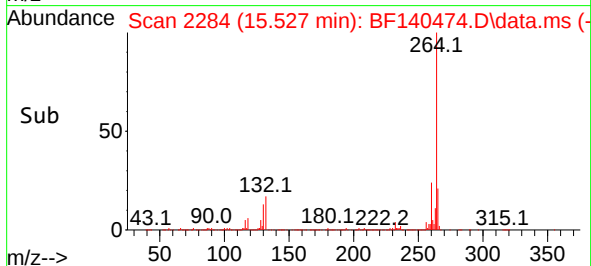
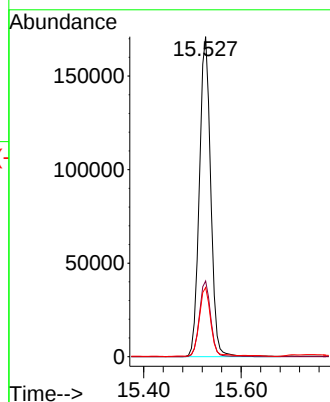
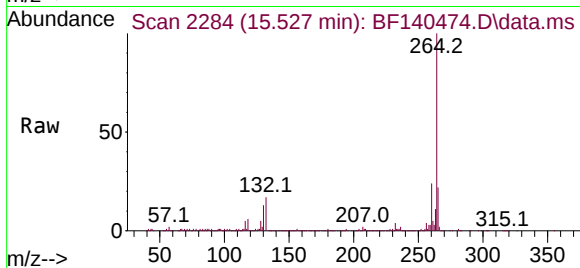
Tgt Ion:264 Resp: 276612

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 21.6 17.1 25.7



#88

Benzo(b)fluoranthene

Concen: 2.414 ng m

RT: 15.092 min Scan# 2210

Delta R.T. -0.024 min

Lab File: BF140474.D

Acq: 19 Nov 2024 15:32

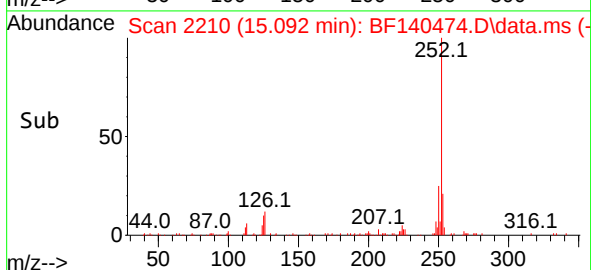
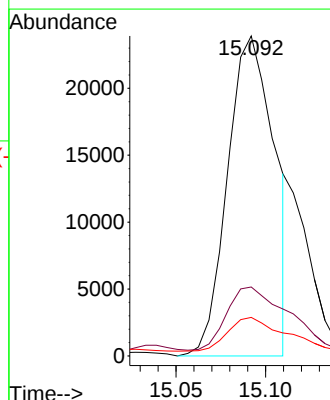
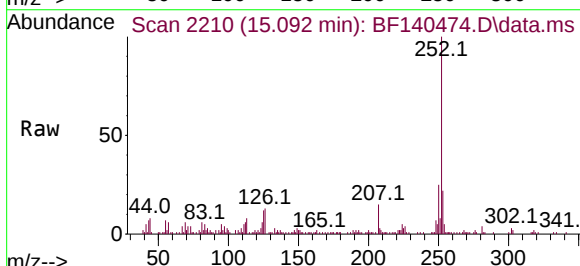
Tgt Ion:252 Resp: 43686

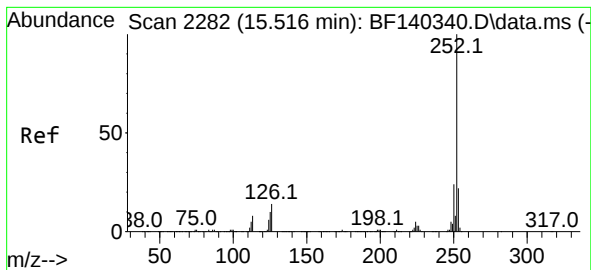
Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

125 12.1 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 2.052 ng

RT: 15.462 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF140474.D

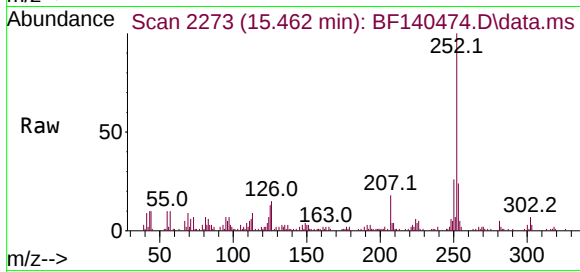
Acq: 19 Nov 2024 15:32

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:252 Resp: 28841

Ion Ratio Lower Upper

252 100

253 23.7 17.8 26.6

125 13.3 8.4 12.6#

