

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121223\
 Data File : BF136520.D
 Acq On : 12 Dec 2023 17:21
 Operator : CG\JU
 Sample : 05740-01 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-24328

Quant Time: Dec 12 17:40:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 09:40:27 2023
 Response via : Initial Calibration

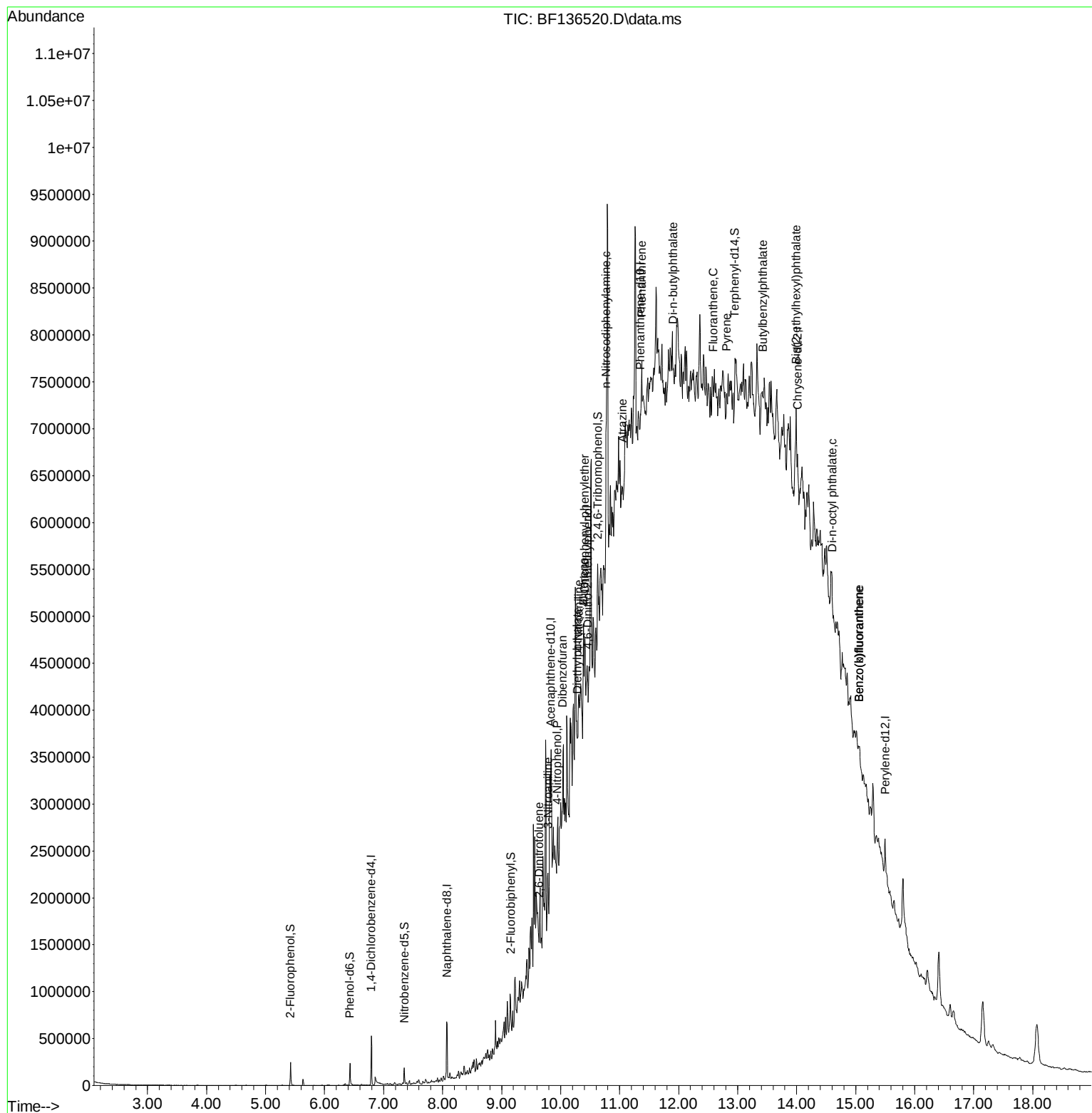
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

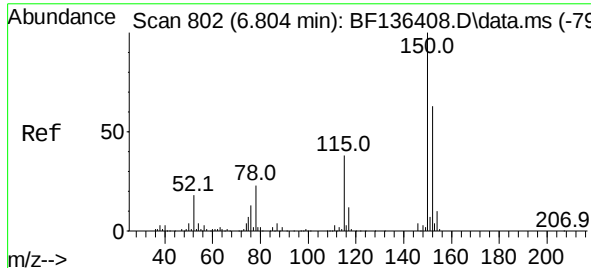
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	75541	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	271340	20.000	ng	-0.01
39) Acenaphthene-d10	9.833	164	112329	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	146660	20.000	ng	# 0.02
76) Chrysene-d12	14.015	240	145665	20.000	ng	# 0.04
86) Perylene-d12	15.498	264	194443	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	71614	14.001	ng	-0.01
7) Phenol-d6	6.428	99	88503	13.868	ng	-0.02
23) Nitrobenzene-d5	7.351	82	50349	10.031	ng	-0.02
42) 2,4,6-Tribromophenol	10.633	330	16167	11.673	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	97075	11.792	ng	-0.01
79) Terphenyl-d14	12.951	244	77133	6.979	ng	0.03
Target Compounds						
						Qvalue
9) Benzaldehyde	6.351	77	3581	Below Cal	#	81
51) 2,6-Dinitrotoluene	9.633	165	7212	3.876	ng	# 40
53) 3-Nitroaniline	9.786	138	11858	6.241	ng	# 26
55) Dibenzofuran	10.039	168	22117	2.229	ng	# 1
56) 4-Nitrophenol	9.939	139	7881	5.533	ng	# 1
58) Fluorene	10.392	166	46587	5.850	ng	# 66
60) Diethylphthalate	10.280	149	21528	2.647	ng	# 13
61) 4-Chlorophenyl-phenyle...	10.404	204	10599	2.730	ng	# 1
62) 4-Nitroaniline	10.304	138	25320	13.422	ng	# 93
65) 4,6-Dinitro-2-methylph...	10.463	198	2929	3.225	ng	# 1
66) n-Nitrosodiphenylamine	10.769	169	156620	33.281	ng	# 91
69) Atrazine	11.045	200	5940	4.422	ng	# 1
71) Phenanthrene	11.374	178	169903	21.077	ng	# 69
74) Di-n-butylphthalate	11.910	149	49630	5.634	ng	# 21
75) Fluoranthene	12.586	202	37846	4.480	ng	# 34
77) Benzidine	12.727	184	643	Below Cal	#	1
78) Pyrene	12.810	202	39313	2.756	ng	# 60
80) Butylbenzylphthalate	13.427	149	13446	2.648	ng	# 56
84) Bis(2-ethylhexyl)phtha...	13.992	149	300739	48.307	ng	# 92
85) Di-n-octyl phthalate	14.604	149	50210	5.460	ng	# 77
88) Benzo(b)fluoranthene	15.062	252	34429	2.590	ng	# 1
89) Benzo(k)fluoranthene	15.062	252	34429	2.748	ng	# 1

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

Instrument :
BNA_F
ClientSampleId :
CHRT-24328

Instrument :
BNA_F
ClientSampleId :
CHRT-24328





1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.792 min Scan# 802

Delta R.T. -0.012 min

Lab File: BF136520.D

Acq: 12 Dec 2023 17:21

Instrument :

BNA_F

ClientSampleId :

CHRT-24328

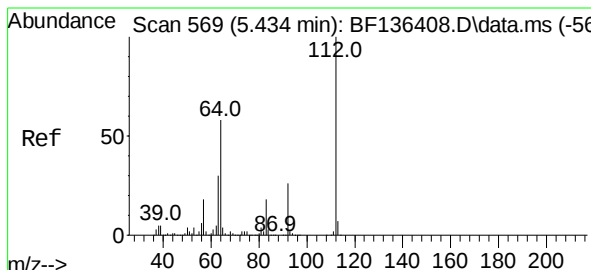
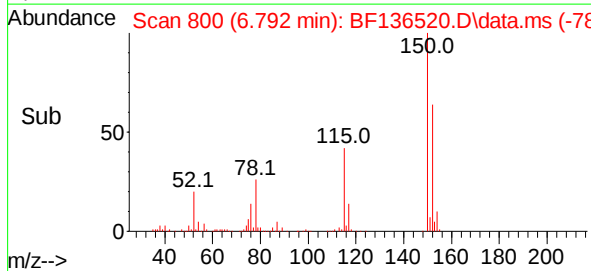
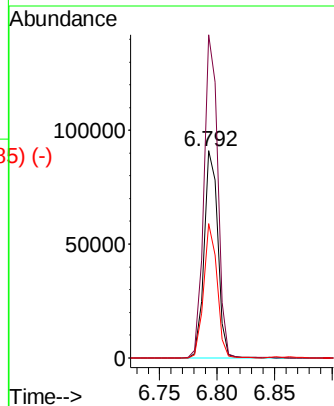
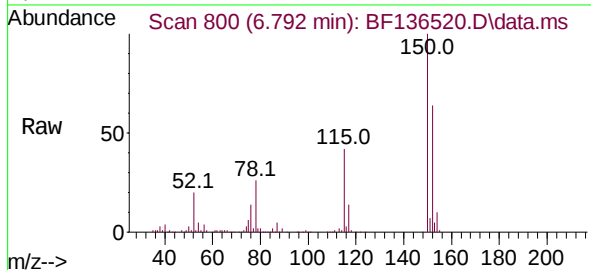
Tgt Ion:152 Resp: 75541

Ion Ratio Lower Upper

152 100

150 155.7 126.4 189.6

115 64.8 48.2 72.4



2-Fluorophenol

Concen: 14.001 ng

RT: 5.422 min Scan# 567

Delta R.T. -0.012 min

Lab File: BF136520.D

Acq: 12 Dec 2023 17:21

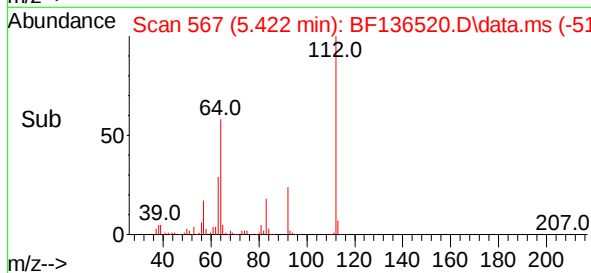
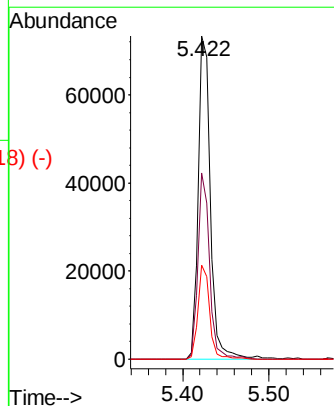
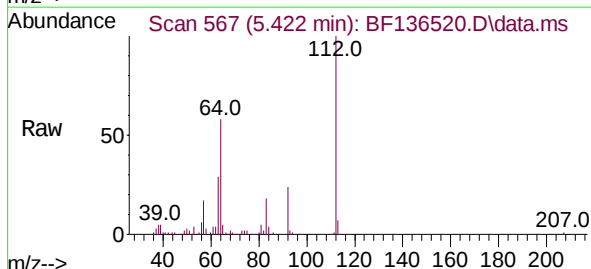
Tgt Ion:112 Resp: 71614

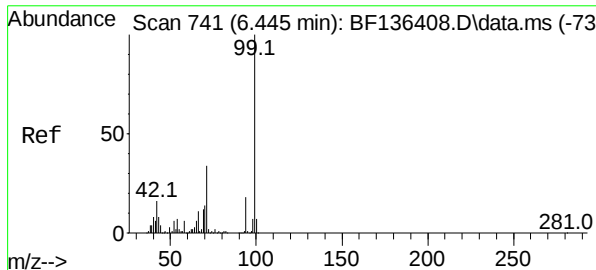
Ion Ratio Lower Upper

112 100

64 57.6 46.5 69.7

63 29.0 23.9 35.9

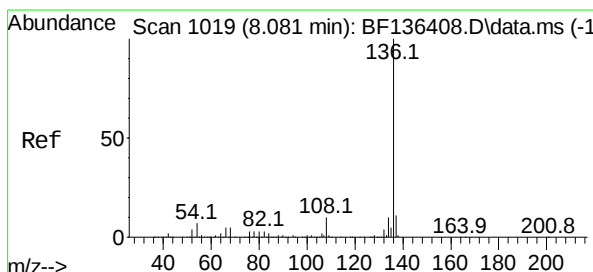
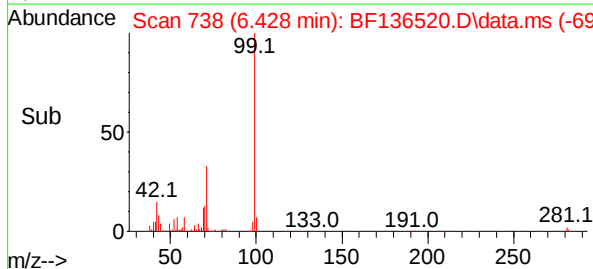
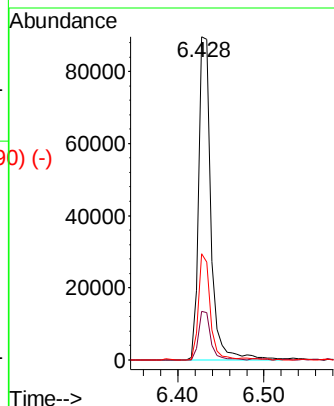
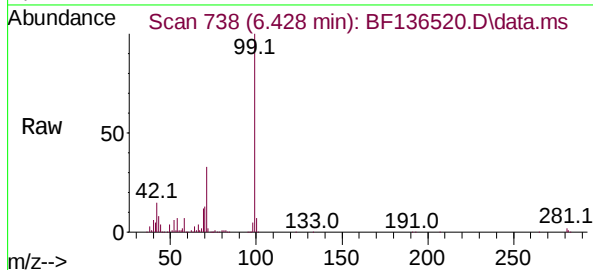




Phenol-d6
 Concen: 13.868 ng
 RT: 6.428 min Scan#
 Delta R.T. -0.018 min
 Lab File: BF136520.D
 Acq: 12 Dec 2023 17:21

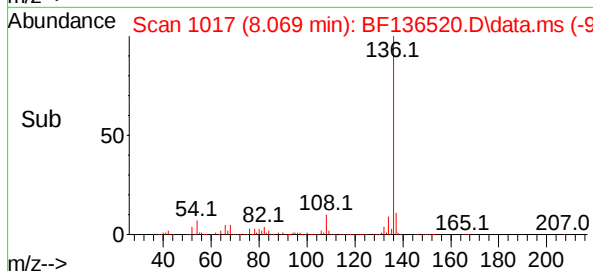
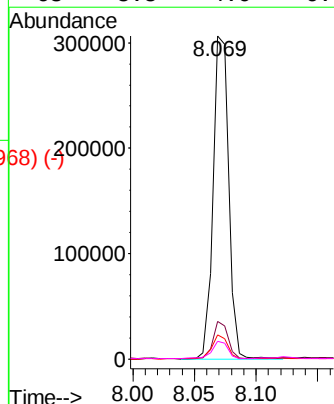
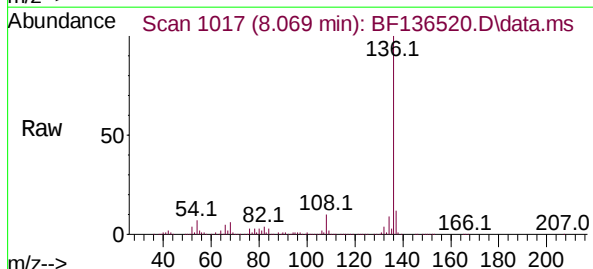
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-24328

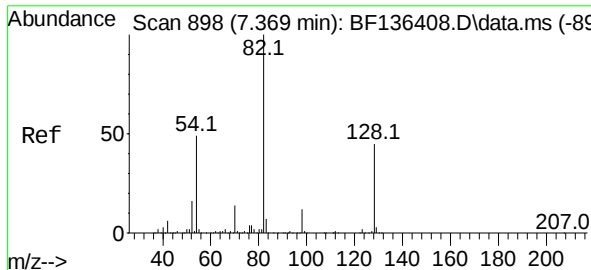
Tgt Ion: 99 Resp: 88503
 Ion Ratio Lower Upper
 99 100
 42 15.1 12.8 19.2
 71 32.9 27.0 40.4



Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.069 min Scan# 1017
 Delta R.T. -0.012 min
 Lab File: BF136520.D
 Acq: 12 Dec 2023 17:21

Tgt Ion: 136 Resp: 271340
 Ion Ratio Lower Upper
 136 100
 137 11.6 8.6 12.8
 54 7.5 5.7 8.5
 68 5.5 4.0 6.0

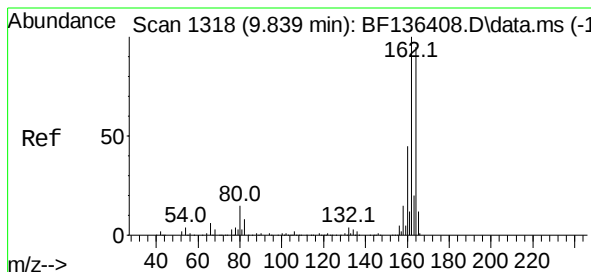
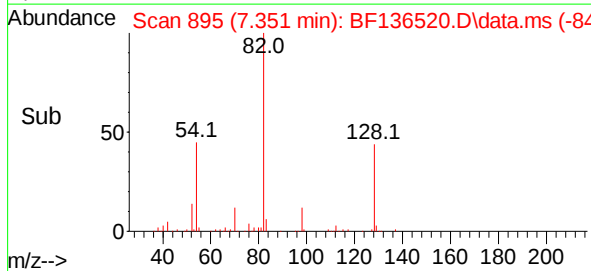
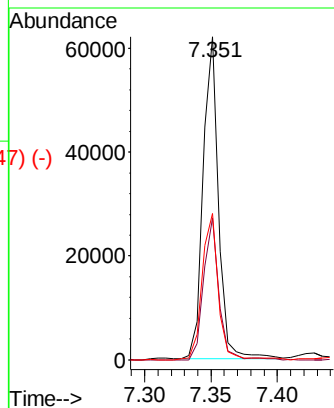
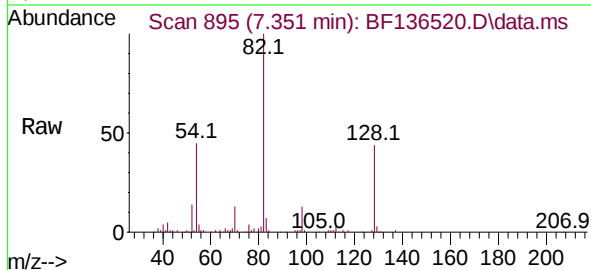




#23
Nitrobenzene-d5
Concen: 10.031 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF136520.D
Acq: 12 Dec 2023 17:21

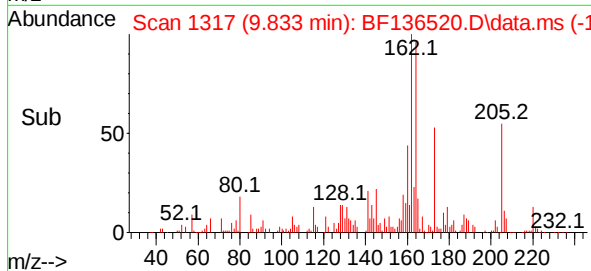
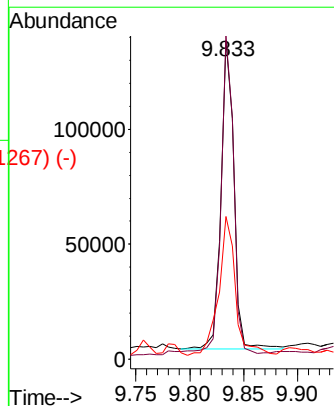
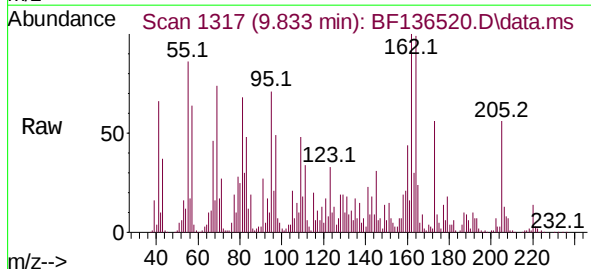
Instrument :
BNA_F
ClientSampleId :
CHRT-24328

Tgt Ion:	82	Resp:	50349
Ion	Ratio	Lower	Upper
82	100		
128	43.9	36.3	54.5
54	45.3	39.0	58.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF136520.D
Acq: 12 Dec 2023 17:21

Tgt Ion:	164	Resp:	112329
Ion	Ratio	Lower	Upper
164	100		
162	101.3	84.4	126.6
160	44.8	37.6	56.4



Abundance Scan 1453 (10.633 min): BF136408.D\data.ms (-1402) (-)

2,4,6-Tribromophenol

Concen: 11.673 ng

RT: 10.633 min Scan# 1453

Delta R.T. -0.000 min

Lab File: BF136520.D

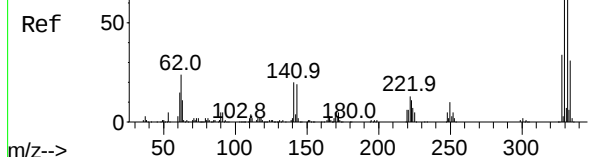
Acq: 12 Dec 2023 17:21

Instrument :

BNA_F

ClientSampleId :

CHRT-24328



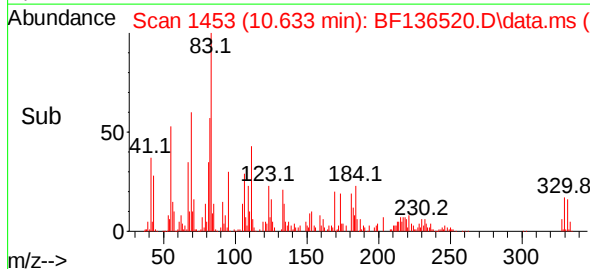
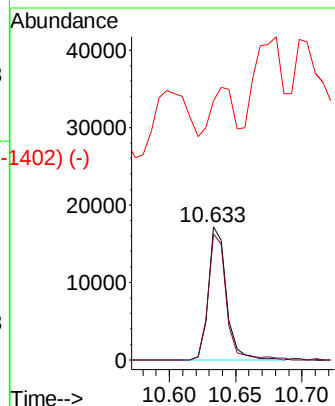
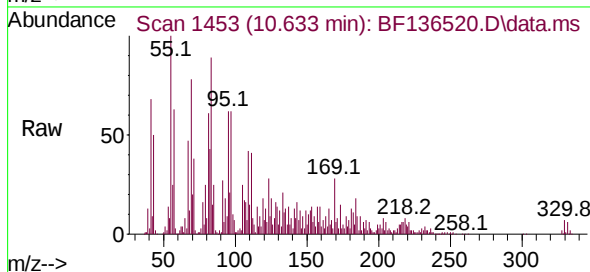
Tgt Ion:330 Resp: 16167

Ion Ratio Lower Upper

330 100

332 96.8 76.4 114.6

141 41.9 23.4 35.2#



Abundance Scan 1203 (9.163 min): BF136408.D\data.ms (-1194) (-)

2-Fluorobiphenyl

Concen: 11.792 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF136520.D

Acq: 12 Dec 2023 17:21

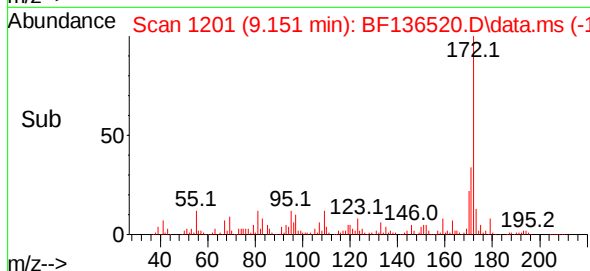
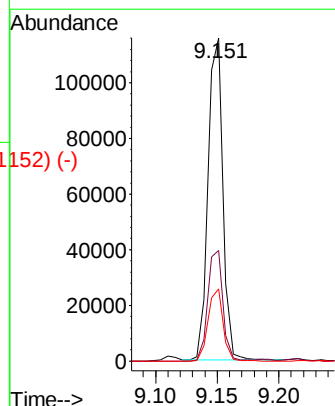
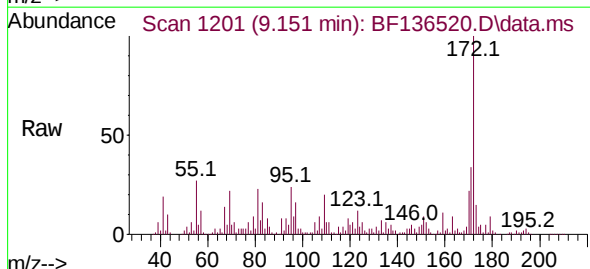
Tgt Ion:172 Resp: 97075

Ion Ratio Lower Upper

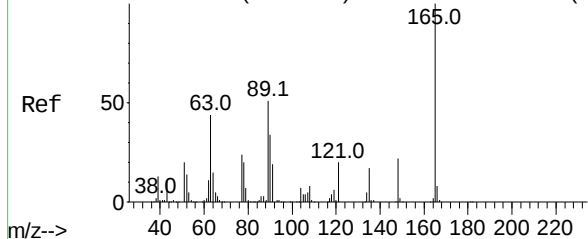
172 100

171 34.3 30.5 45.7

170 22.4 19.9 29.9



Abundance Scan 1282 (9.628 min): BF136408.D\data.ms (-12751)



2,6-Dinitrotoluene

Concen: 3.876 ng

RT: 9.633 min Scan#

Delta R.T. 0.006 min

Lab File: BF136520.D

Acq: 12 Dec 2023 17:21

Instrument :

BNA_F

ClientSampleId :

CHRT-24328

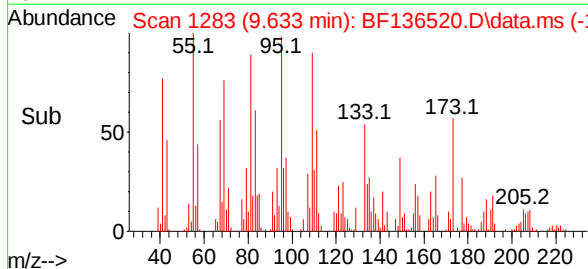
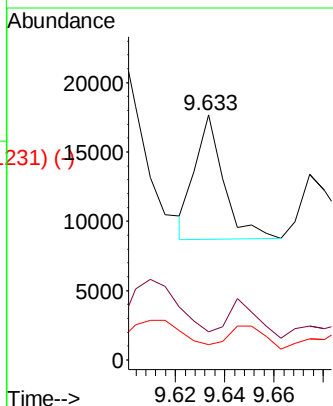
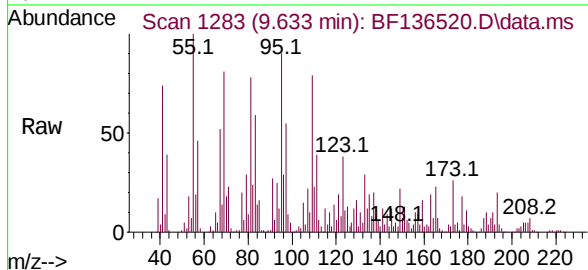
Tgt Ion:165 Resp: 7212

Ion Ratio Lower Upper

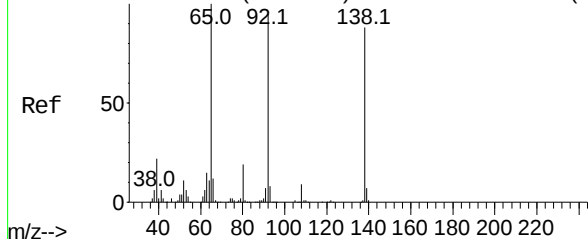
165 100

63 11.4 40.4 60.6#

89 6.2 40.6 60.8#



Abundance Scan 1311 (9.798 min): BF136408.D\data.ms (-13053)



3-Nitroaniline

Concen: 6.241 ng

RT: 9.786 min Scan# 1309

Delta R.T. -0.012 min

Lab File: BF136520.D

Acq: 12 Dec 2023 17:21

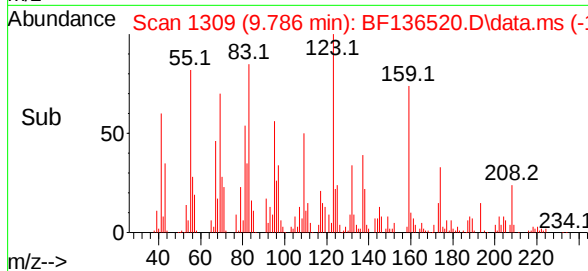
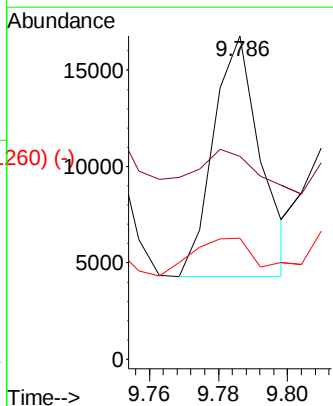
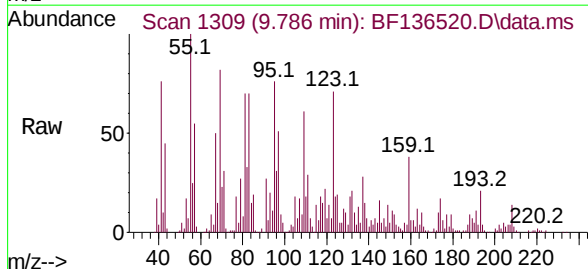
Tgt Ion:138 Resp: 11858

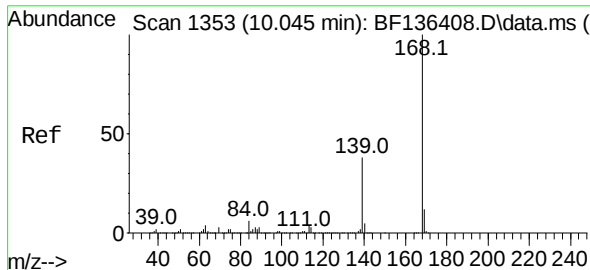
Ion Ratio Lower Upper

138 100

108 62.7 8.5 12.7#

92 37.4 86.1 129.1#

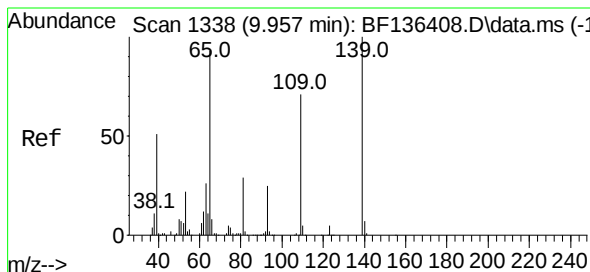
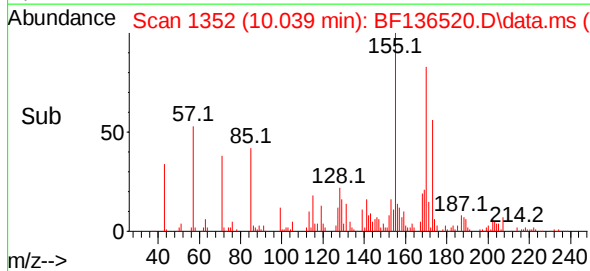
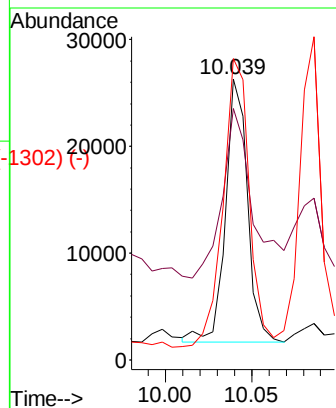
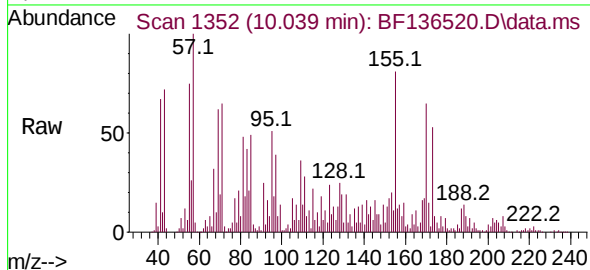




Dibenzo furan
Concen: 2.229 ng
RT: 10.039 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BF136520.D
Acq: 12 Dec 2023 17:21

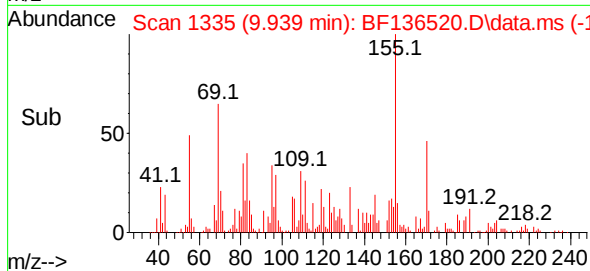
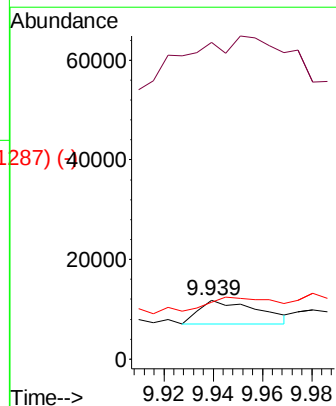
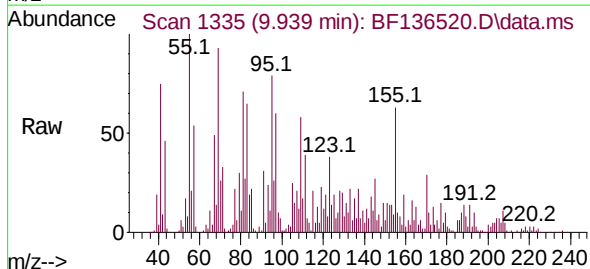
Instrument :
BNA_F
Client SampleId :
CHRT-24328

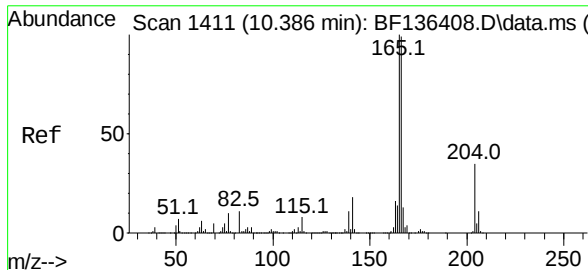
Tgt Ion:	168	Resp:	22117
Ion	Ratio	Lower	Upper
168	100		
139	89.4	30.4	45.6#
169	107.2	9.9	14.9#



4-Nitrophenol
Concen: 5.533 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.018 min
Lab File: BF136520.D
Acq: 12 Dec 2023 17:21

Tgt Ion:	139	Resp:	7881
Ion	Ratio	Lower	Upper
139	100		
109	537.4	50.6	90.6#
65	96.8	73.1	113.1

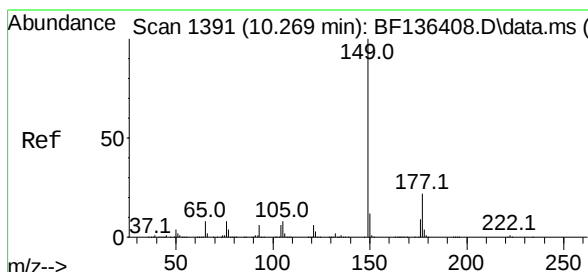
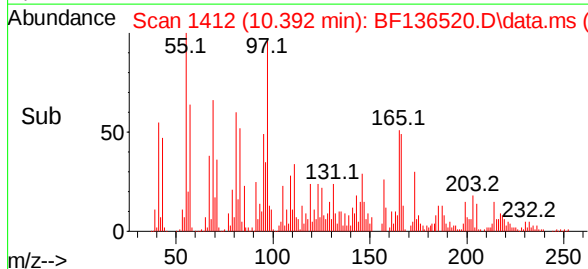
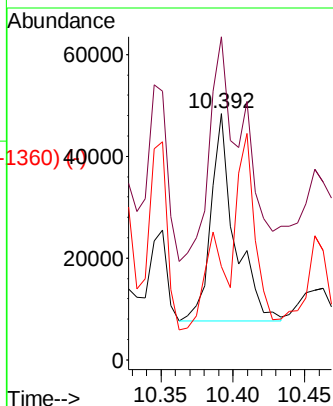
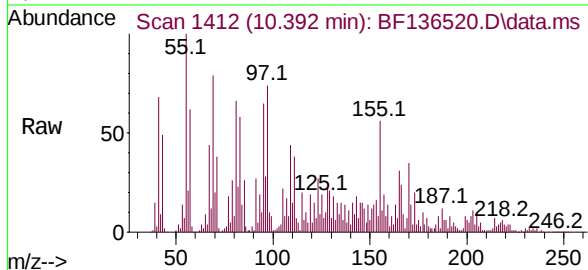




Fluorene
 Concen: 5.850 ng
 RT: 10.392 min Scan# 1411
 Delta R.T. 0.006 min
 Lab File: BF136520.D
 Acq: 12 Dec 2023 17:21

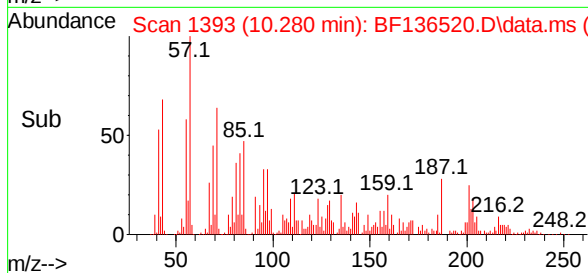
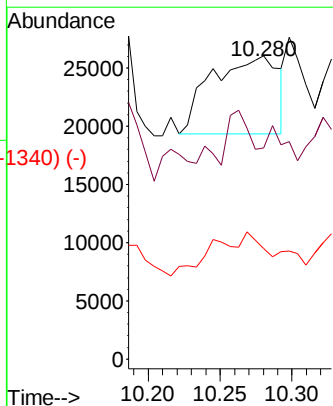
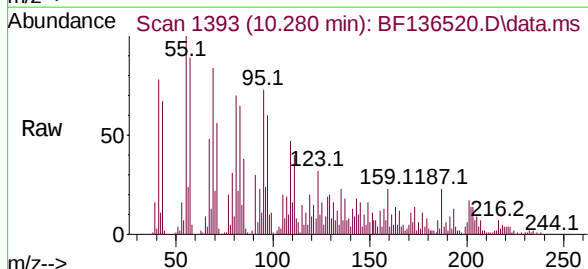
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-24328

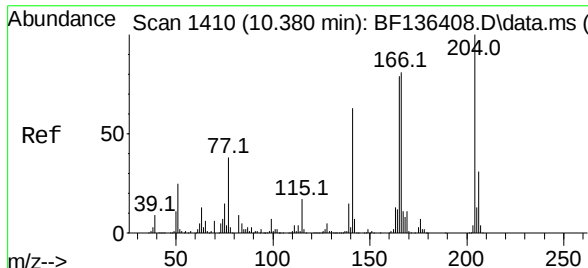
Tgt Ion:	166	Resp:	46587
Ion	Ratio	Lower	Upper
166	100		
165	131.2	80.5	120.7#
167	37.8	10.5	15.7#



Diethylphthalate
 Concen: 2.647 ng
 RT: 10.280 min Scan# 1393
 Delta R.T. 0.012 min
 Lab File: BF136520.D
 Acq: 12 Dec 2023 17:21

Tgt Ion:	149	Resp:	21528
Ion	Ratio	Lower	Upper
149	100		
177	69.5	17.8	26.8#
150	36.6	9.4	14.0#

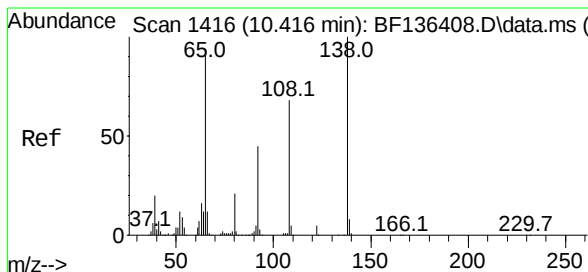
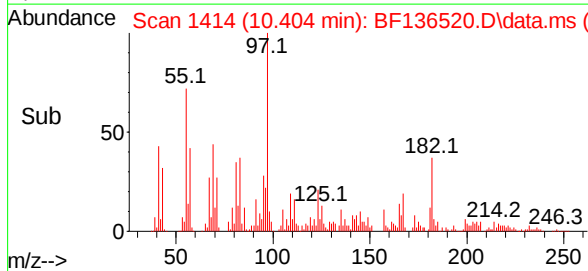
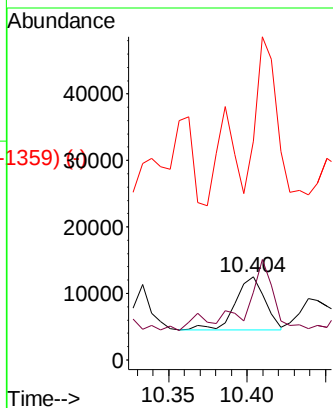
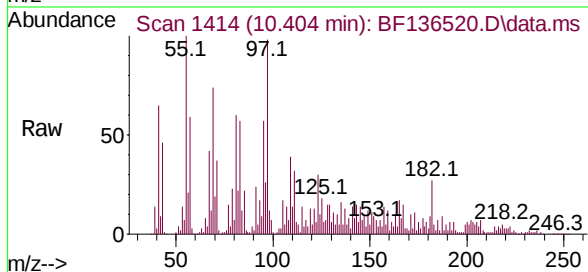




4-Chlorophenyl-phenylether
 Concen: 2.730 ng
 RT: 10.404 min Scan# 1397
 Delta R.T. 0.023 min
 Lab File: BF136520.D
 Acq: 12 Dec 2023 17:21

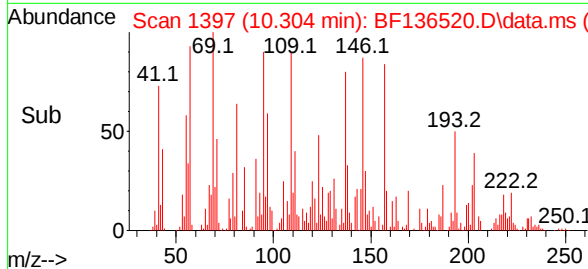
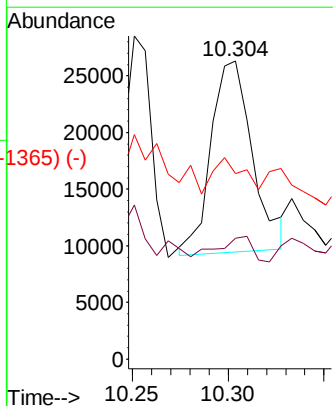
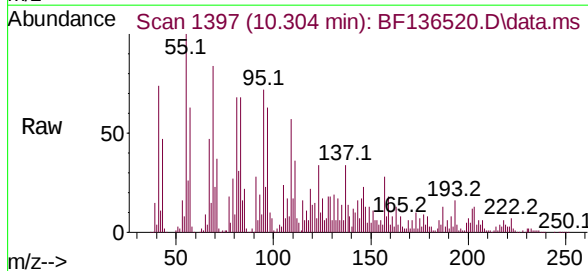
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-24328

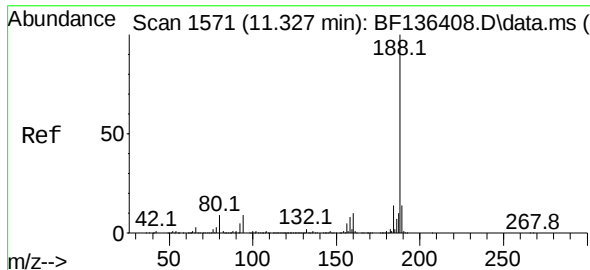
Tgt Ion:	204	Resp:	10599
Ion	Ratio	Lower	Upper
204	100		
206	81.1	24.6	36.8#
141	262.4	50.3	75.5#



4-Nitroaniline
 Concen: 13.422 ng
 RT: 10.304 min Scan# 1397
 Delta R.T. -0.112 min
 Lab File: BF136520.D
 Acq: 12 Dec 2023 17:21

Tgt Ion:	138	Resp:	25320
Ion	Ratio	Lower	Upper
138	100		
92	40.6	25.0	65.0
108	62.2	47.9	87.9

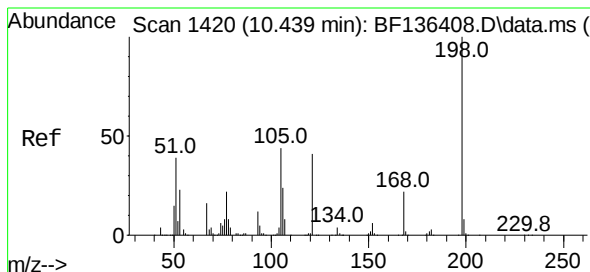
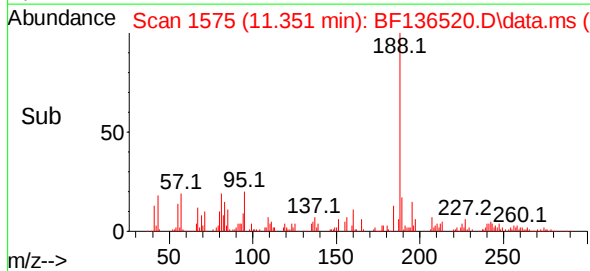
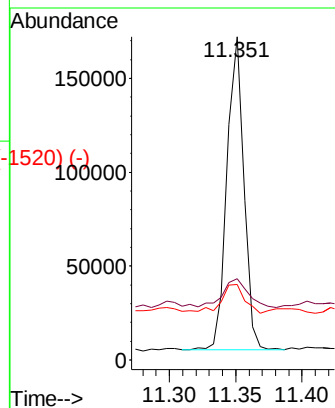
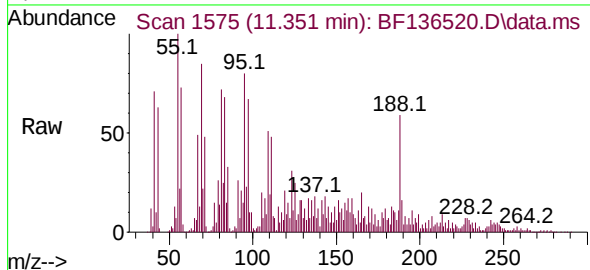




Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.351 min Scan# 1571
 Delta R.T. 0.023 min
 Lab File: BF136520.D
 Acq: 12 Dec 2023 17:21

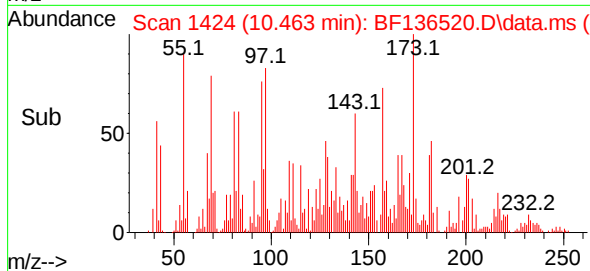
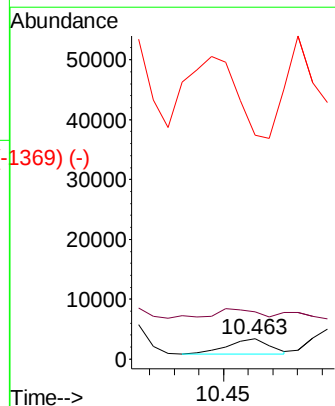
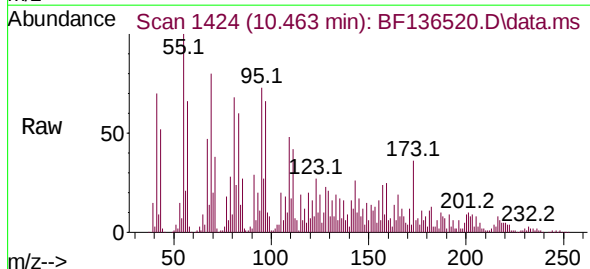
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-24328

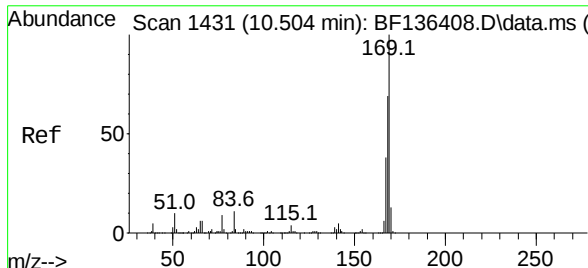
Tgt Ion:	188	Resp:	146660
Ion	Ratio	Lower	Upper
188	100		
94	25.1	7.2	10.8#
80	23.3	7.2	10.8#



4,6-Dinitro-2-methylphenol
 Concen: 3.225 ng
 RT: 10.463 min Scan# 1424
 Delta R.T. 0.023 min
 Lab File: BF136520.D
 Acq: 12 Dec 2023 17:21

Tgt Ion:	198	Resp:	2929
Ion	Ratio	Lower	Upper
198	100		
51	227.3	24.1	64.1#
105	1082.6	24.8	64.8#

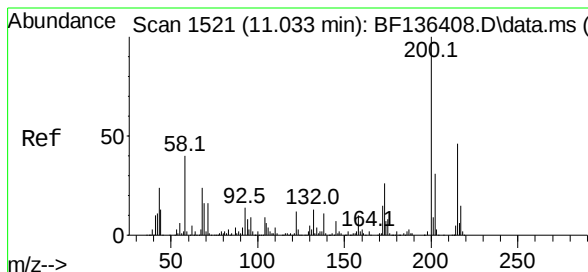
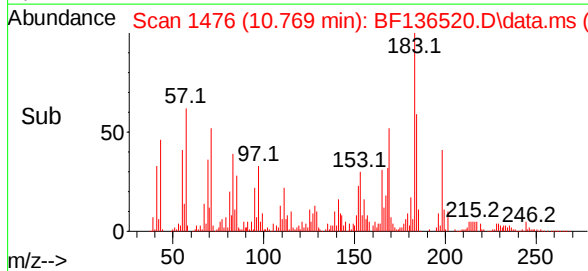
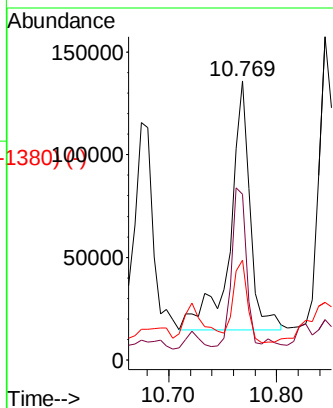
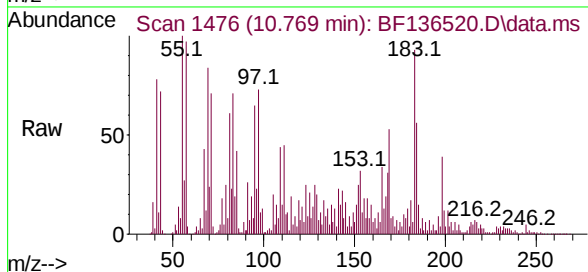




Scan 1431 (10.504 min): BF136408.D\data.ms (-1431)
 n-Nitrosodiphenylamine
 Concen: 33.281 ng
 RT: 10.769 min Scan# 1431
 Delta R.T. 0.265 min
 Lab File: BF136520.D
 Acq: 12 Dec 2023 17:21

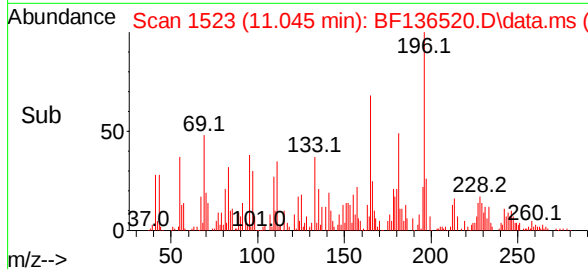
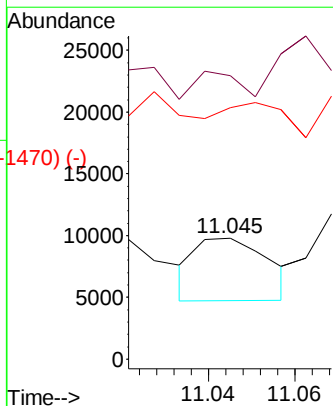
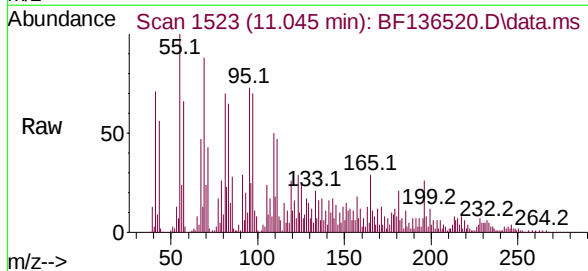
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-24328

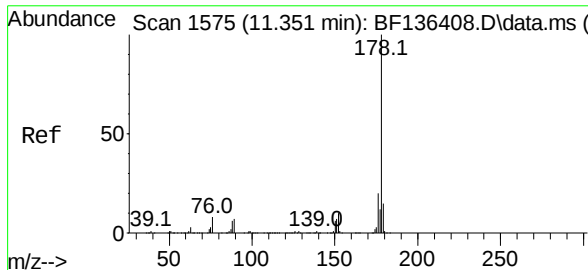
Tgt Ion:	169	Resp:	156620
Ion	Ratio	Lower	Upper
169	100		
168	59.5	55.3	82.9
167	35.8	30.1	45.1



Scan 1521 (11.033 min): BF136408.D\data.ms (-1521)
 Atrazine
 Concen: 4.422 ng
 RT: 11.045 min Scan# 1523
 Delta R.T. 0.012 min
 Lab File: BF136520.D
 Acq: 12 Dec 2023 17:21

Tgt Ion:	200	Resp:	5940
Ion	Ratio	Lower	Upper
200	100		
173	234.0	6.0	46.0#
215	207.4	25.5	65.5#

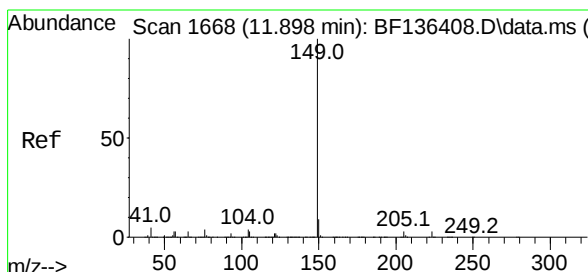
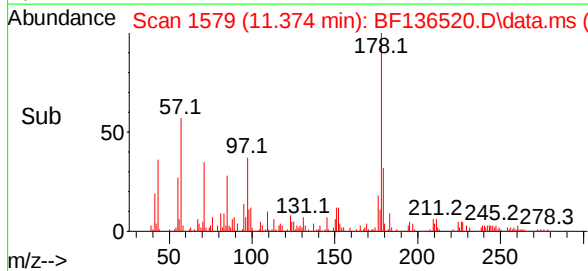
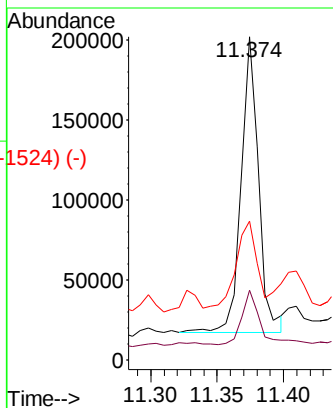
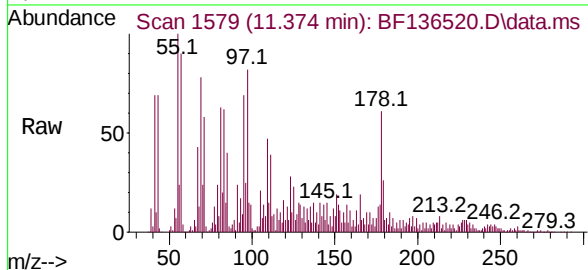




Scan 1575 (11.351 min): BF136408.D\data.ms (-1575) (-)
 Phenanthrene
 Concen: 21.077 ng
 RT: 11.374 min Scan# 1579
 Delta R.T. 0.023 min
 Lab File: BF136520.D
 Acq: 12 Dec 2023 17:21

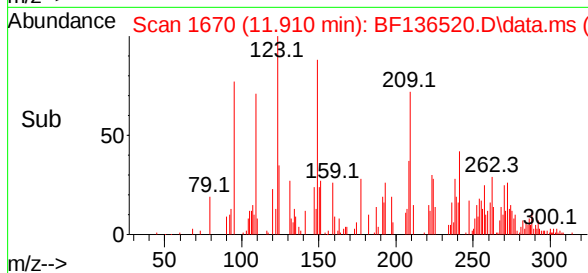
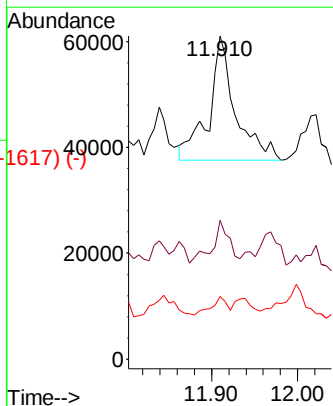
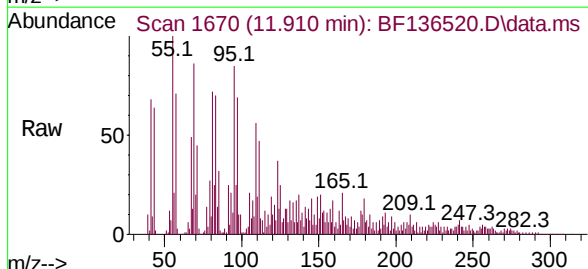
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-24328

Tgt Ion:	178	Resp:	169903
Ion	Ratio	Lower	Upper
178	100		
176	21.6	15.9	23.9
179	43.0	11.8	17.6#

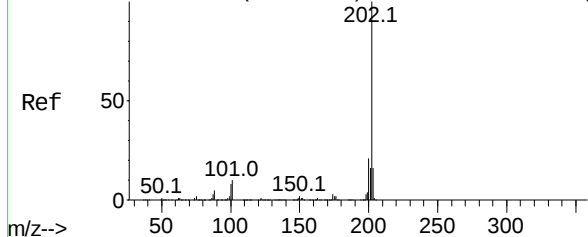


Scan 1668 (11.898 min): BF136408.D\data.ms (-1668) (-)
 Di-n-butylphthalate
 Concen: 5.634 ng
 RT: 11.910 min Scan# 1670
 Delta R.T. 0.012 min
 Lab File: BF136520.D
 Acq: 12 Dec 2023 17:21

Tgt Ion:	149	Resp:	49630
Ion	Ratio	Lower	Upper
149	100		
150	42.9	6.9	10.3#
104	19.4	3.5	5.3#



Abundance Scan 1778 (12.545 min): BF136408.D\data.ms (-1778) (-)



Fluoranthene

Concen: 4.480 ng

RT: 12.586 min Scan# 1778

Delta R.T. 0.041 min

Lab File: BF136520.D

Acq: 12 Dec 2023 17:21

Instrument :

BNA_F

ClientSampleId :

CHRT-24328

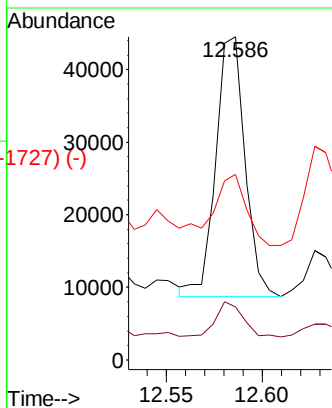
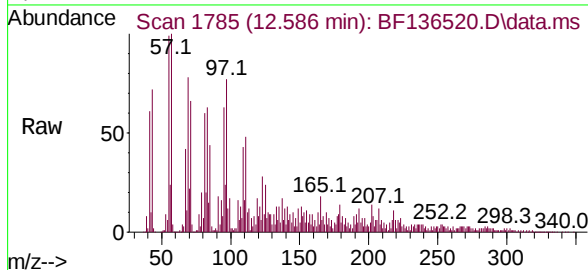
Tgt Ion:202 Resp: 37846

Ion Ratio Lower Upper

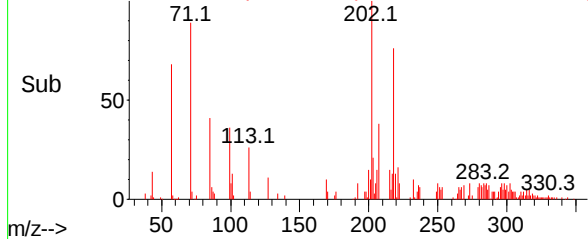
202 100

101 16.4 0.0 29.9

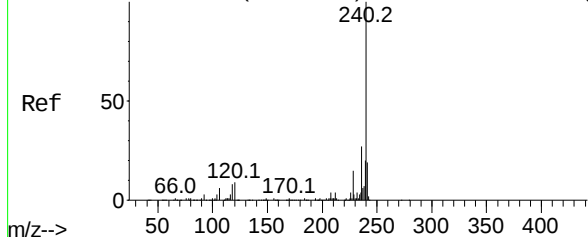
203 57.4 0.0 36.3#



Abundance Scan 1785 (12.586 min): BF136520.D\data.ms (-1785) (-)



Abundance Scan 2022 (13.980 min): BF136408.D\data.ms (-2022) (-)



Chrysene-d12

Concen: 20.000 ng

RT: 14.015 min Scan# 2028

Delta R.T. 0.035 min

Lab File: BF136520.D

Acq: 12 Dec 2023 17:21

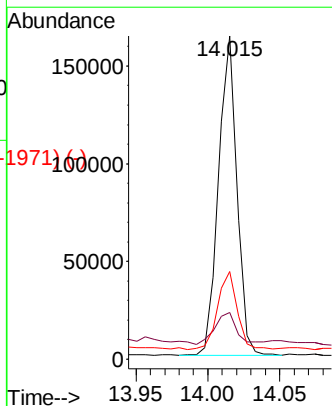
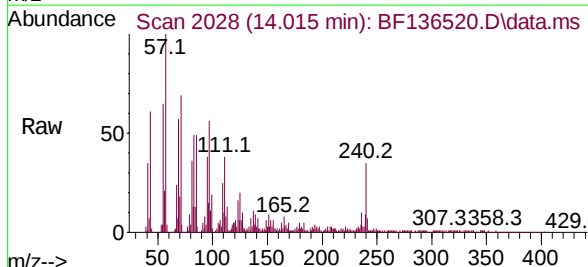
Tgt Ion:240 Resp: 145665

Ion Ratio Lower Upper

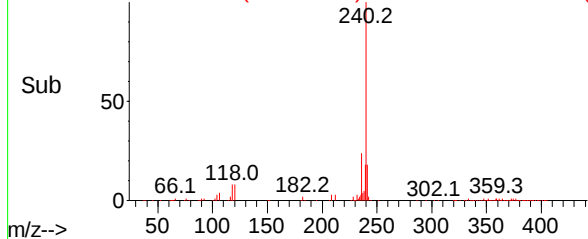
240 100

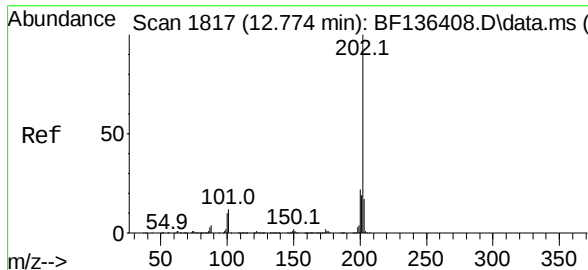
120 14.4 7.3 10.9#

236 27.1 21.3 31.9



Abundance Scan 2028 (14.015 min): BF136520.D\data.ms (-2028) (-)

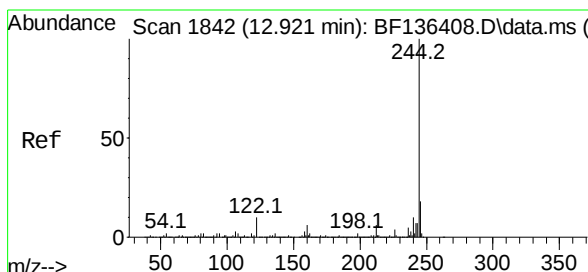
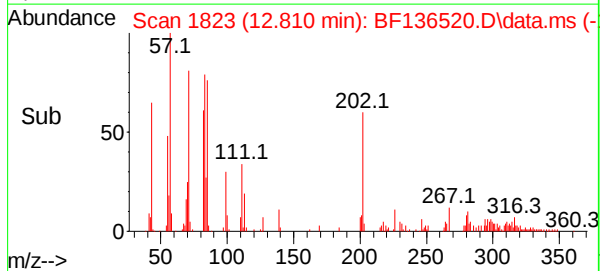
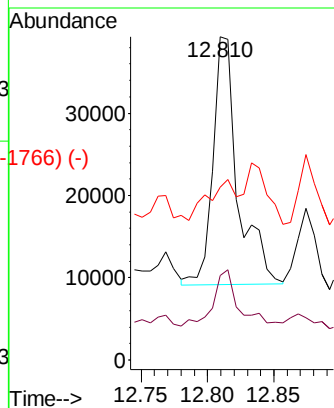
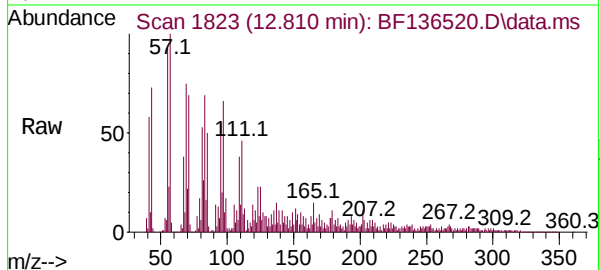




Pyrene
Concen: 2.756 ng
RT: 12.810 min Scan# 1823
Delta R.T. 0.035 min
Lab File: BF136520.D
Acq: 12 Dec 2023 17:21

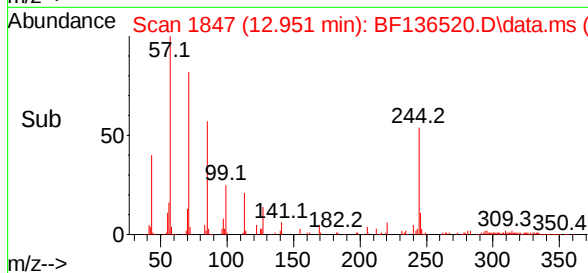
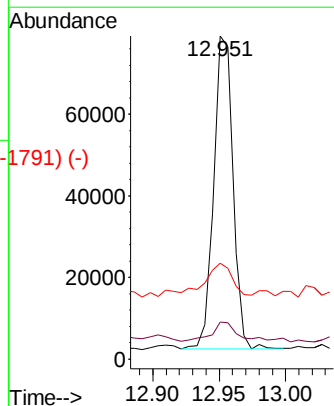
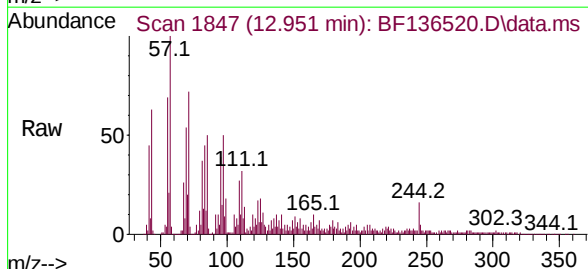
Instrument :
BNA_F
ClientSampleId :
CHRT-24328

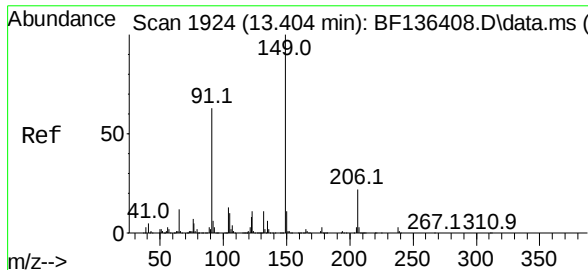
Tgt Ion:	202	Resp:	39313
Ion	Ratio	Lower	Upper
202	100		
200	26.1	18.0	27.0
203	53.4	13.5	20.3#



Terphenyl-d14
Concen: 6.979 ng
RT: 12.951 min Scan# 1847
Delta R.T. 0.029 min
Lab File: BF136520.D
Acq: 12 Dec 2023 17:21

Tgt Ion:	244	Resp:	77133
Ion	Ratio	Lower	Upper
244	100		
212	11.5	5.0	7.4#
122	29.8	8.3	12.5#

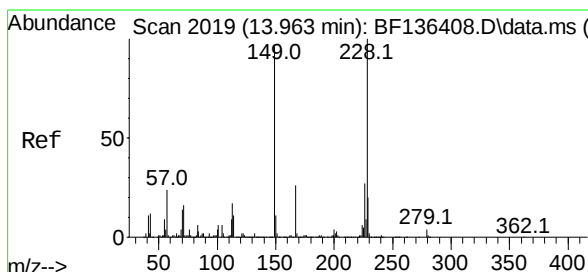
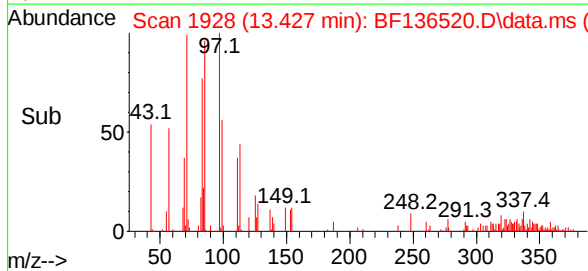
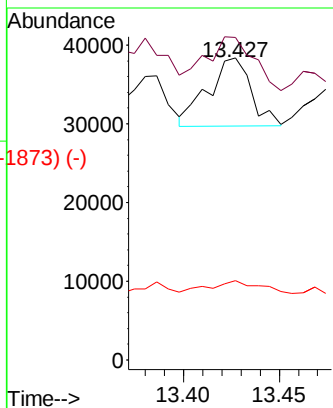
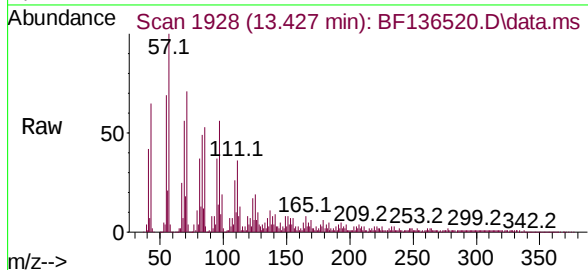




Scan 1924 (13.404 min): BF136408.D\data.ms (-1939) (-)
 Butylbenzylphthalate
 Concen: 2.648 ng
 RT: 13.427 min Scan# 1
 Delta R.T. 0.023 min
 Lab File: BF136520.D
 Acq: 12 Dec 2023 17:21

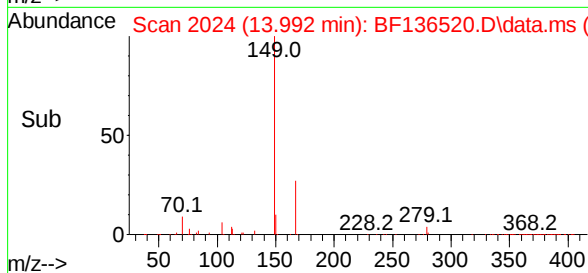
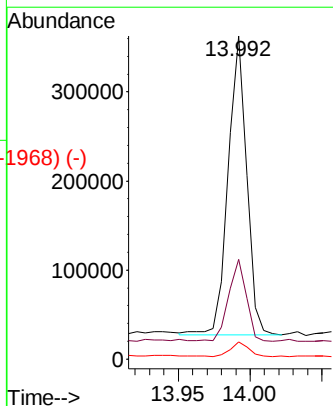
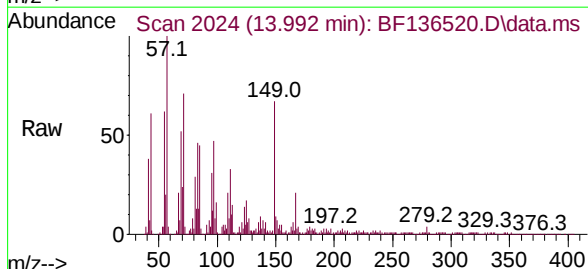
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-24328

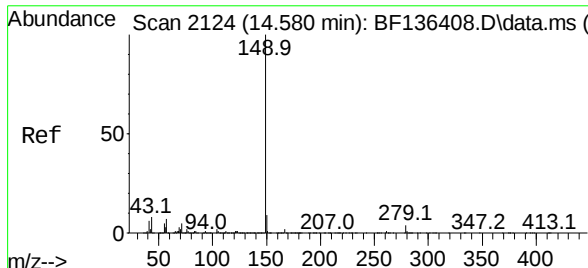
Tgt Ion:	149	Resp:	13446
Ion	Ratio	Lower	Upper
149	100		
91	106.8	50.5	75.7#
206	26.2	17.4	26.2#



Scan 2019 (13.963 min): BF136408.D\data.ms (-2084) (-)
 Bis(2-ethylhexyl)phthalate
 Concen: 48.307 ng
 RT: 13.992 min Scan# 2024
 Delta R.T. 0.029 min
 Lab File: BF136520.D
 Acq: 12 Dec 2023 17:21

Tgt Ion:	149	Resp:	300739
Ion	Ratio	Lower	Upper
149	100		
167	30.8	21.2	31.8
279	5.4	3.1	4.7#

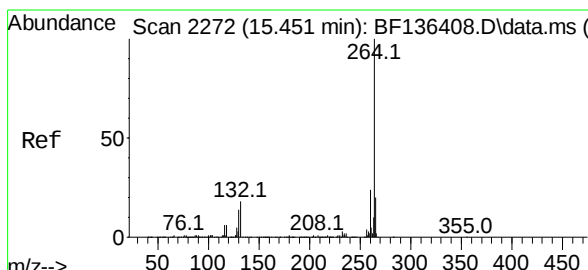
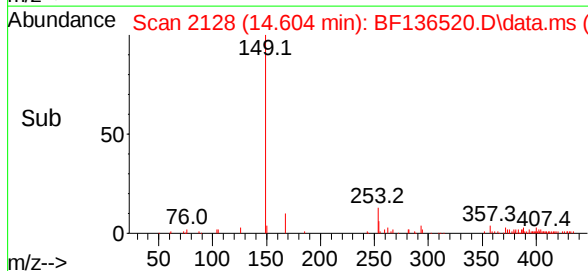
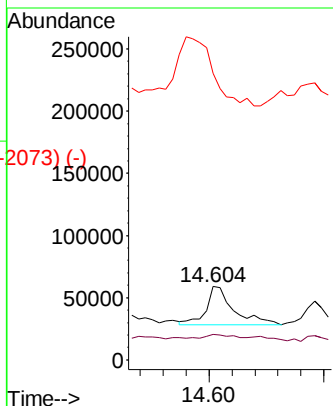
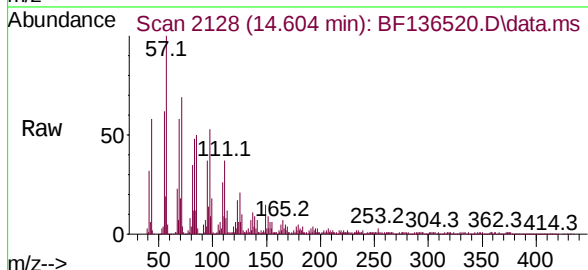




Di-n-octyl phthalate
 Concen: 5.460 ng
 RT: 14.604 min Scan# 2185
 Delta R.T. 0.023 min
 Lab File: BF136520.D
 Acq: 12 Dec 2023 17:21

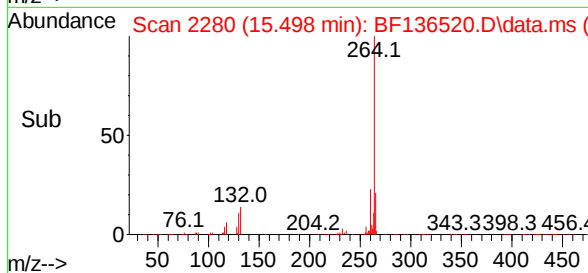
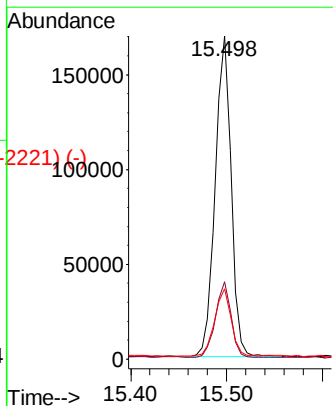
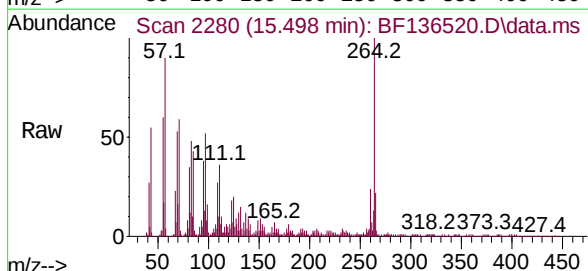
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-24328

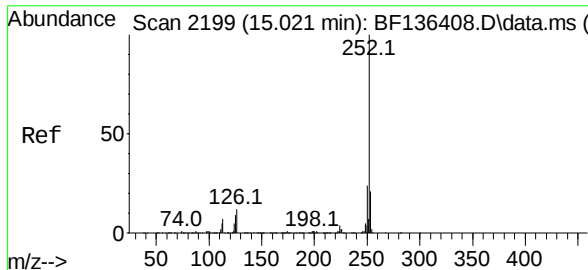
Tgt Ion:	149	Resp:	50210
Ion	Ratio	Lower	Upper
149	100		
167	7.9	1.3	1.9#
43	0.0	6.8	10.2#



Perylene-d12
 Concen: 20.000 ng
 RT: 15.498 min Scan# 2280
 Delta R.T. 0.047 min
 Lab File: BF136520.D
 Acq: 12 Dec 2023 17:21

Tgt Ion:	264	Resp:	194443
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.8	15.9	23.9

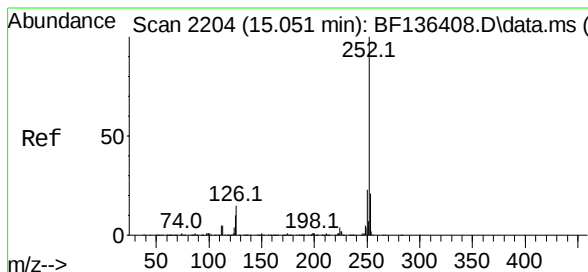
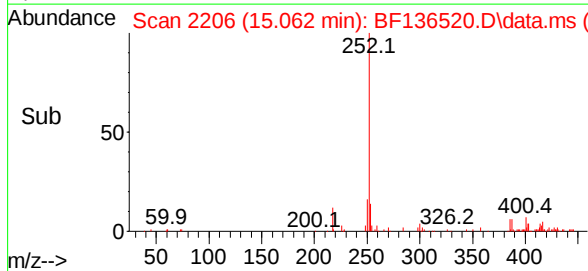
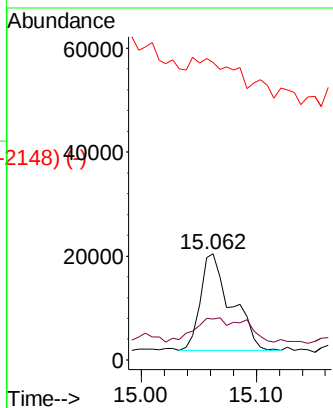
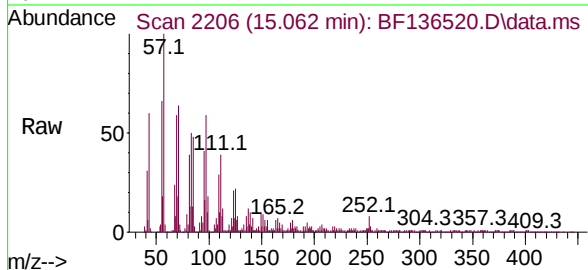




Benzo(b)fluoranthene
 Concen: 2.590 ng
 RT: 15.062 min Scan# 2199
 Delta R.T. 0.041 min
 Lab File: BF136520.D
 Acq: 12 Dec 2023 17:21

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-24328

Tgt Ion:	252	Resp:	34429
Ion Ratio	Lower	Upper	
252	100		
253	38.8	16.9	25.3#
125	281.2	7.4	11.2#



Benzo(k)fluoranthene
 Concen: 2.748 ng
 RT: 15.062 min Scan# 2206
 Delta R.T. 0.012 min
 Lab File: BF136520.D
 Acq: 12 Dec 2023 17:21

Tgt Ion:	252	Resp:	34429
Ion Ratio	Lower	Upper	
252	100		
253	38.8	16.9	25.3#
125	281.2	7.5	11.3#

