

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070124\
 Data File : BF138416.D
 Acq On : 01 Jul 2024 21:34
 Operator : CG\JU
 Sample : P2977-21
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OSTL-D3RE

Quant Time: Jul 02 01:17:23 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 29 02:44:30 2024
 Response via : Initial Calibration

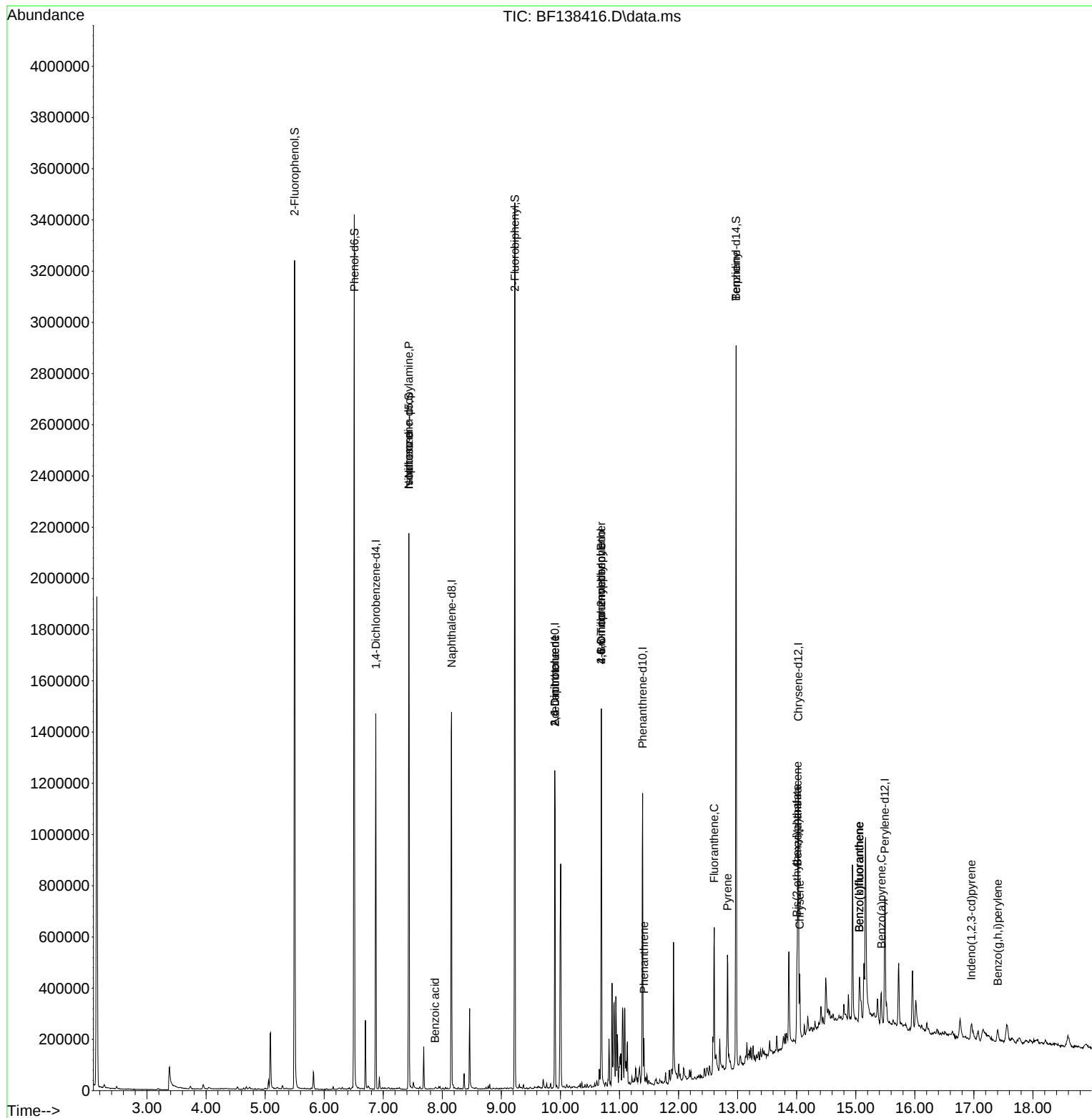
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	178874	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	607816	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	241088	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	377222	20.000	ng	0.00
76) Chrysene-d12	14.027	240	320431	20.000	ng	0.00
86) Perylene-d12	15.492	264	232217	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	803741	74.497	ng	0.00
7) Phenol-d6	6.510	99	998030	68.670	ng	0.00
23) Nitrobenzene-d5	7.434	82	610372	52.166	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	137634	69.875	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	870966	57.494	ng	0.00
79) Terphenyl-d14	12.974	244	887318	37.949	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	79938	8.725	ng	# 78
25) Isophorone	7.434	82	607879	28.176	ng	# 67
32) Benzoic acid	7.875	122	56	4.108	ng	# 11
51) 2,6-Dinitrotoluene	9.904	165	30812	8.879	ng	# 21
57) 2,4-Dinitrotoluene	9.904	165	30812	7.211	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.692	198	389	5.969	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	9695	2.391	ng	# 1
71) Phenanthrene	11.416	178	56890	3.089	ng	96
75) Fluoranthene	12.604	202	200414	12.138	ng	98
77) Benzidine	12.974	184	11617	4.534	ng	# 97
78) Pyrene	12.827	202	186451	5.444	ng	97
81) Benzo(a)anthracene	14.015	228	103028	4.995	ng	97
83) Chrysene	14.051	228	91720	4.570	ng	97
84) Bis(2-ethylhexyl)phtha...	14.004	149	63251	4.840	ng	98
87) Indeno(1,2,3-cd)pyrene	16.956	276	35126	3.010	ng	98
88) Benzo(b)fluoranthene	15.062	252	114791	9.010	ng	# 92
89) Benzo(k)fluoranthene	15.062	252	114791	9.782	ng	# 94
90) Benzo(a)pyrene	15.433	252	53991	4.835	ng	# 96
92) Benzo(g,h,i)perylene	17.403	276	34825	3.780	ng	94

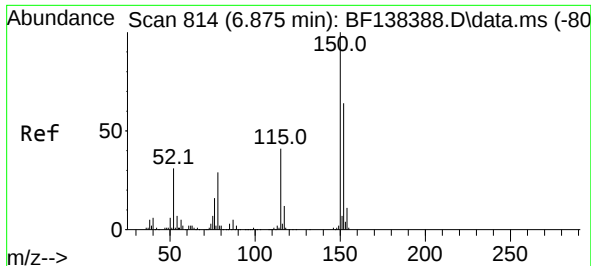
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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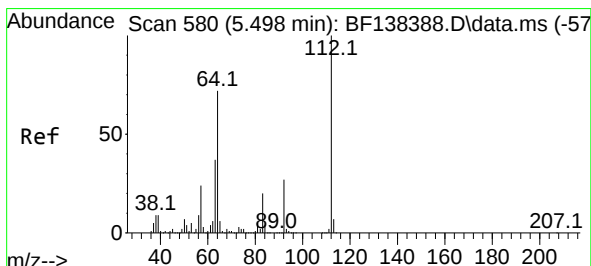
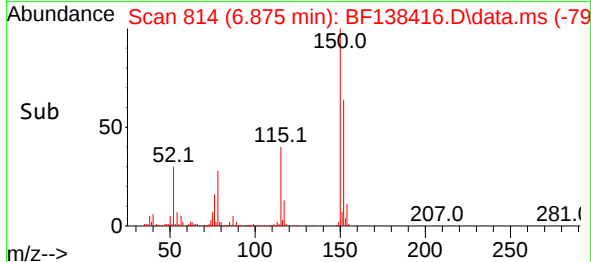
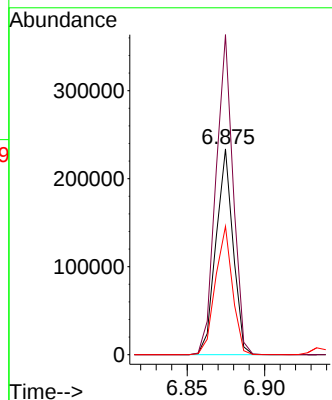
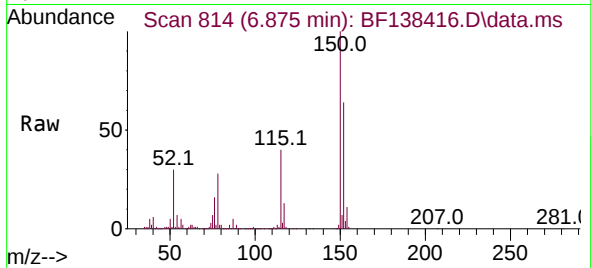




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF138416.D
Acq: 01 Jul 2024 21:34

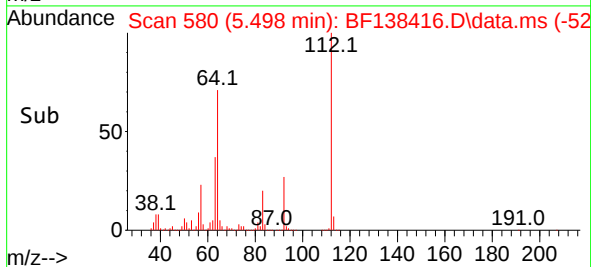
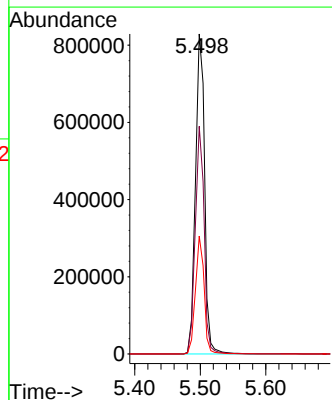
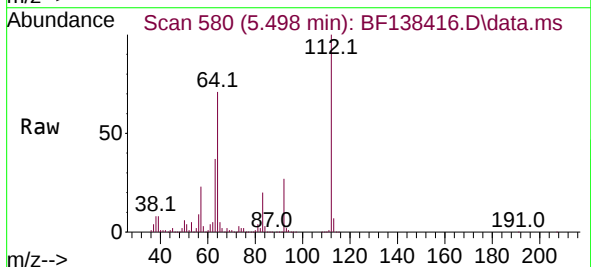
Instrument :
BNA_F
ClientSampleId :
OSTL-D3RE

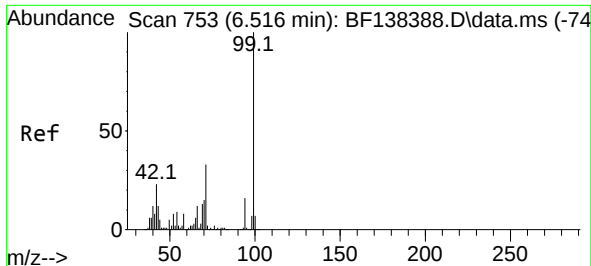
Tgt Ion:152 Resp: 178874
Ion Ratio Lower Upper
152 100
150 155.5 124.9 187.3
115 62.4 50.8 76.2



#5
2-Fluorophenol
Concen: 74.497 ng
RT: 5.498 min Scan# 580
Delta R.T. -0.000 min
Lab File: BF138416.D
Acq: 01 Jul 2024 21:34

Tgt Ion:112 Resp: 803741
Ion Ratio Lower Upper
112 100
64 71.1 57.2 85.8
63 36.8 29.4 44.0

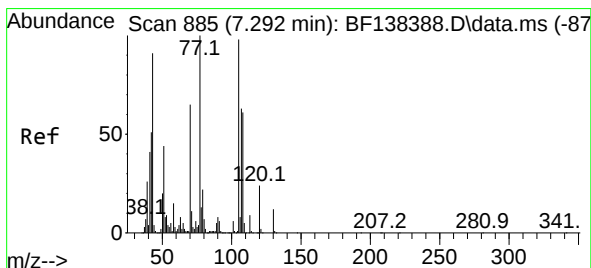
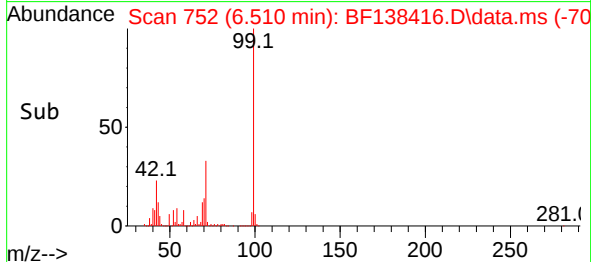
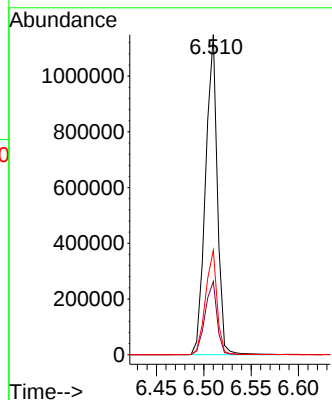
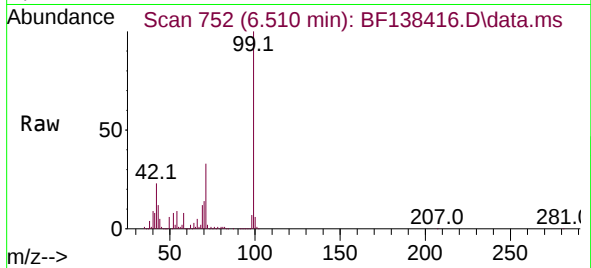




#7
Phenol-d6
Concen: 68.670 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138416.D
Acq: 01 Jul 2024 21:34

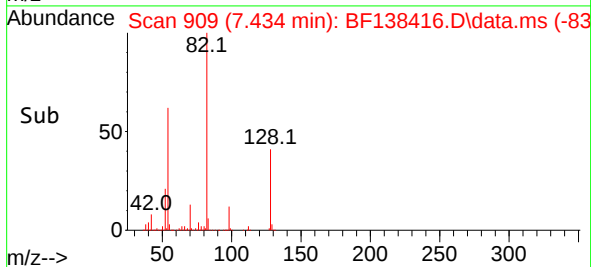
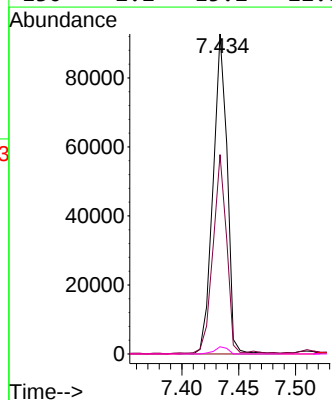
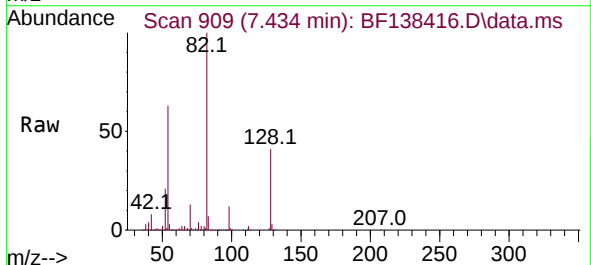
Instrument :
BNA_F
ClientSampleId :
OSTL-D3RE

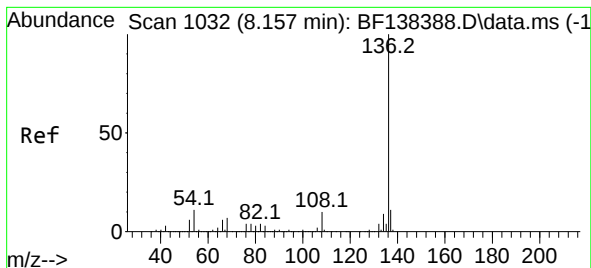
Tgt Ion: 99 Resp: 998030
Ion Ratio Lower Upper
99 100
42 22.9 18.5 27.7
71 32.6 26.1 39.1



#19
n-Nitroso-di-n-propylamine
Concen: 8.725 ng
RT: 7.434 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF138416.D
Acq: 01 Jul 2024 21:34

Tgt Ion: 70 Resp: 79938
Ion Ratio Lower Upper
70 100
42 62.3 62.5 93.7#
101 0.0 7.0 10.4#
130 2.2 15.2 22.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF138416.D

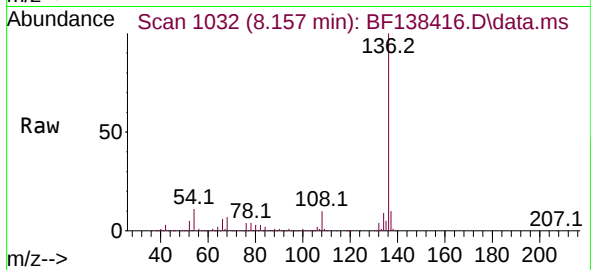
Acq: 01 Jul 2024 21:34

Instrument :

BNA_F

ClientSampleId :

OSTL-D3RE



Tgt Ion:136 Resp: 607816

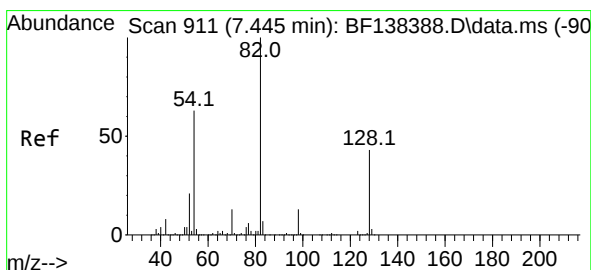
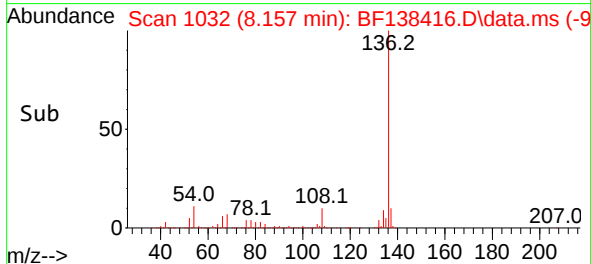
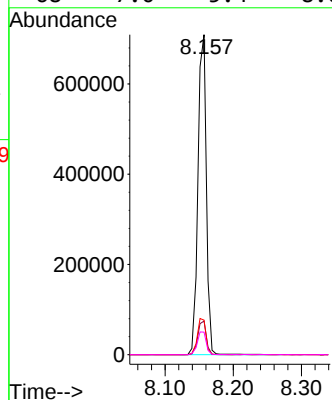
Ion Ratio Lower Upper

136 100

137 10.5 8.8 13.2

54 10.8 9.0 13.4

68 7.0 5.4 8.0



#23

Nitrobenzene-d5

Concen: 52.166 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF138416.D

Acq: 01 Jul 2024 21:34

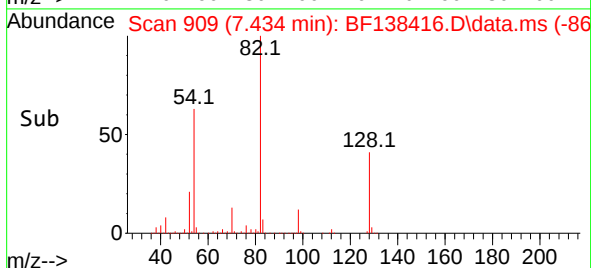
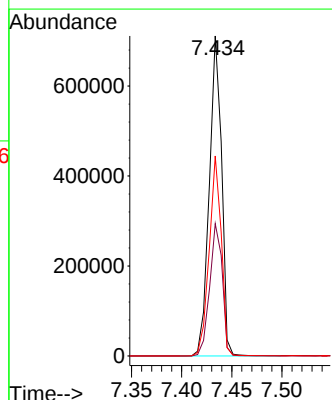
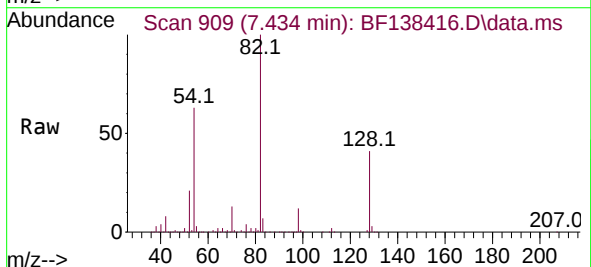
Tgt Ion: 82 Resp: 610372

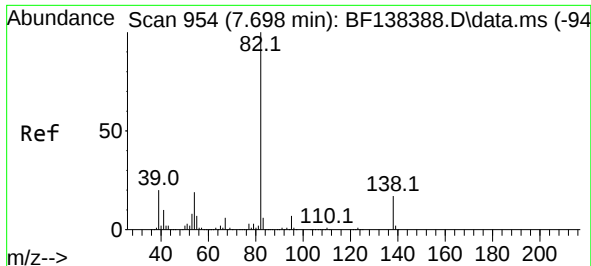
Ion Ratio Lower Upper

82 100

128 41.4 34.6 52.0

54 62.5 50.5 75.7

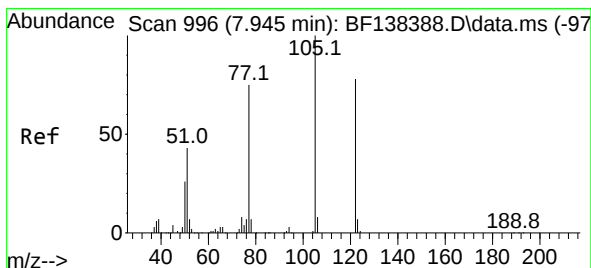
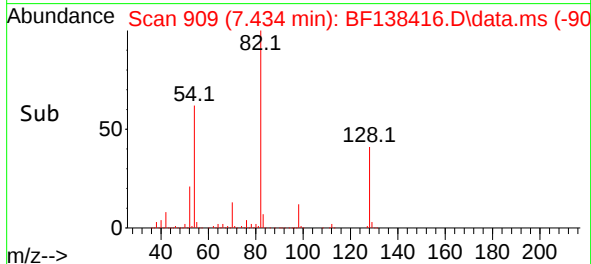
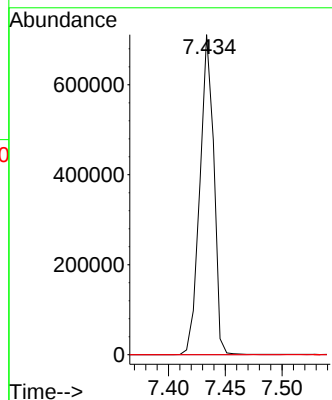
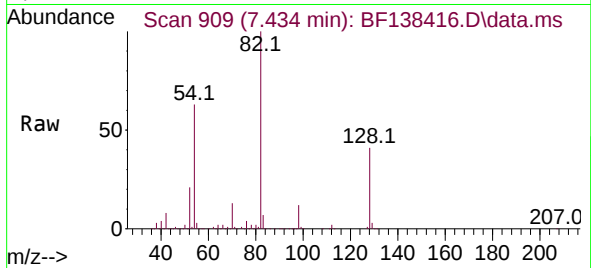




#25
Isophorone
Concen: 28.176 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF138416.D
Acq: 01 Jul 2024 21:34

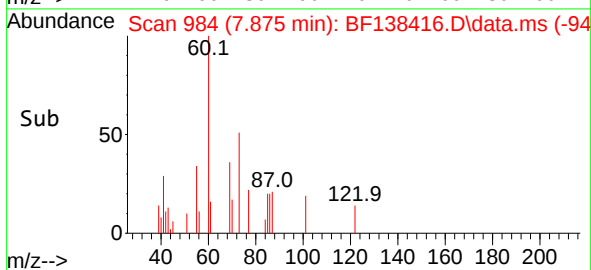
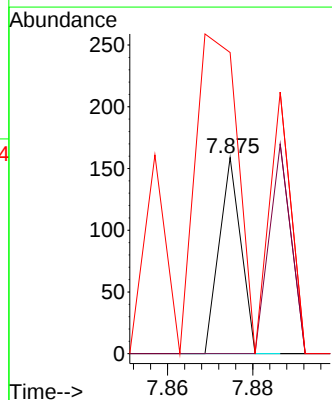
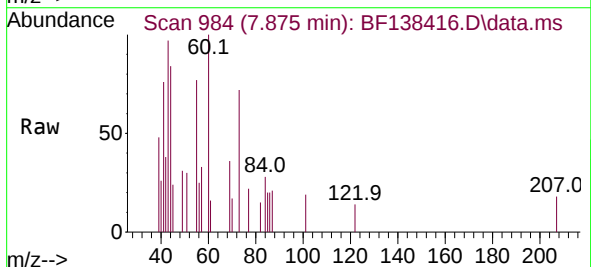
Instrument :
BNA_F
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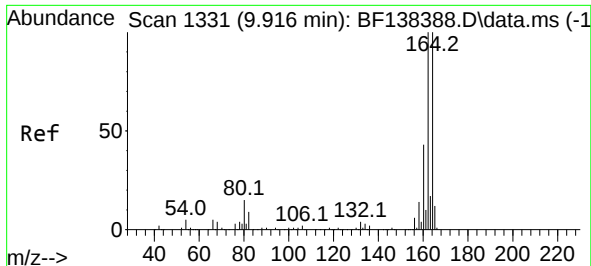
Tgt Ion: 82 Resp: 607879
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.4 20.2#



#32
Benzoic acid
Concen: 4.108 ng
RT: 7.875 min Scan# 984
Delta R.T. -0.070 min
Lab File: BF138416.D
Acq: 01 Jul 2024 21:34

Tgt Ion: 122 Resp: 56
Ion Ratio Lower Upper
122 100
105 0.0 103.8 143.8#
77 153.5 74.3 114.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138416.D

Acq: 01 Jul 2024 21:34

Instrument :

BNA_F

ClientSampleId :

OSTL-D3RE

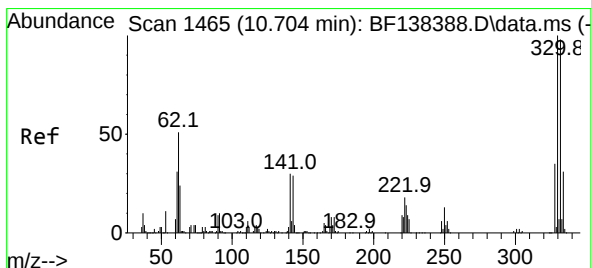
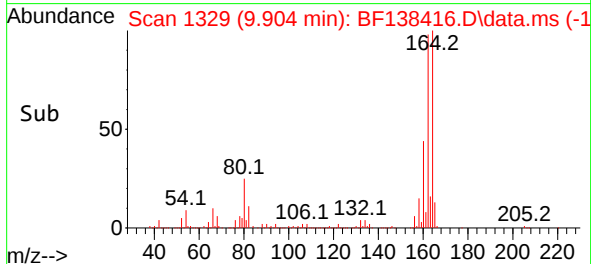
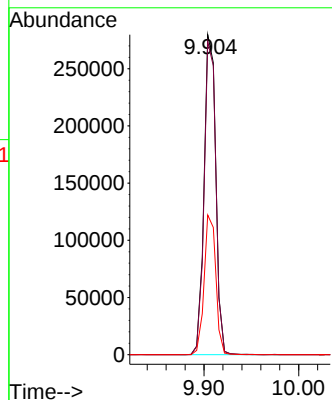
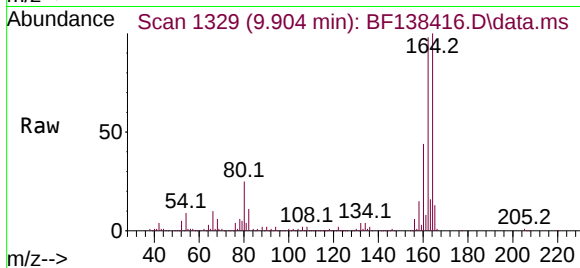
Tgt Ion:164 Resp: 241088

Ion Ratio Lower Upper

164 100

162 97.8 80.1 120.1

160 43.6 34.1 51.1



#42

2,4,6-Tribromophenol

Concen: 69.875 ng

RT: 10.692 min Scan# 1463

Delta R.T. -0.012 min

Lab File: BF138416.D

Acq: 01 Jul 2024 21:34

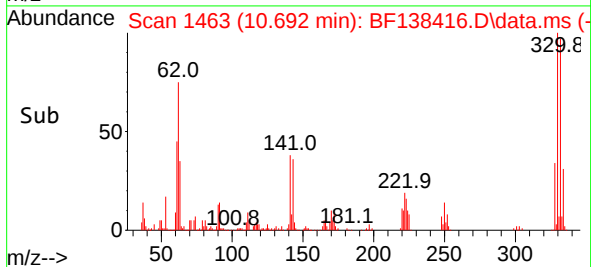
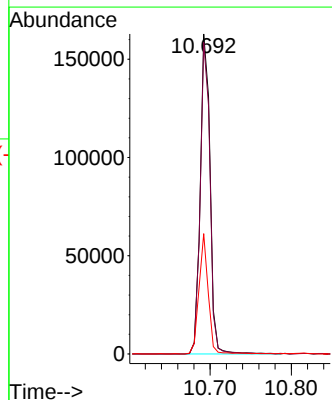
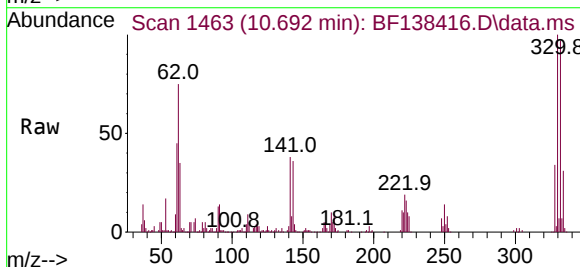
Tgt Ion:330 Resp: 137634

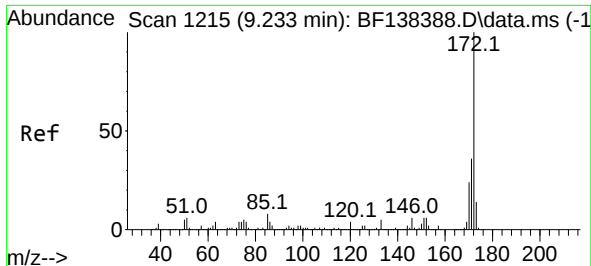
Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

141 35.6 28.1 42.1

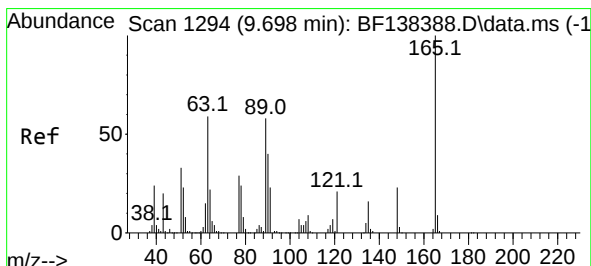
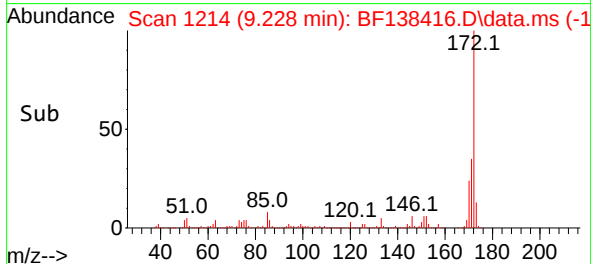
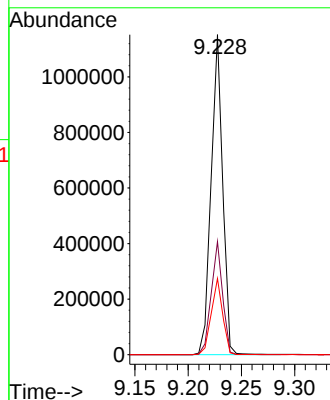
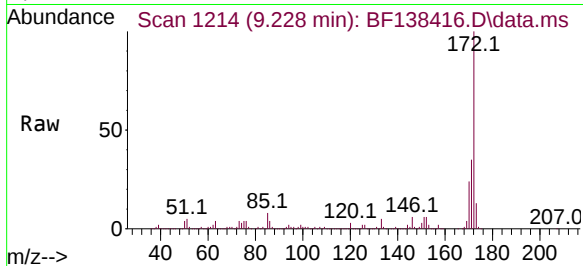




#45
2-Fluorobiphenyl
Concen: 57.494 ng
RT: 9.228 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF138416.D
Acq: 01 Jul 2024 21:34

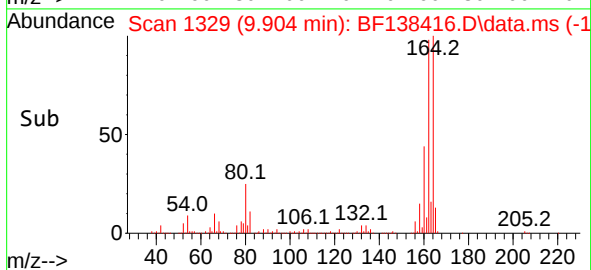
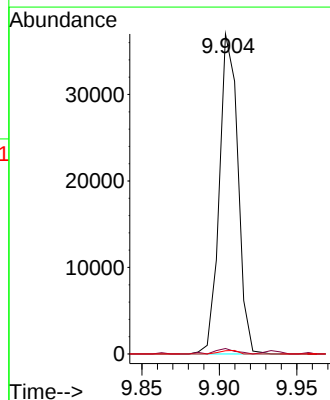
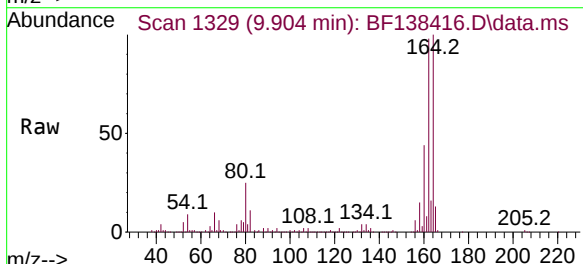
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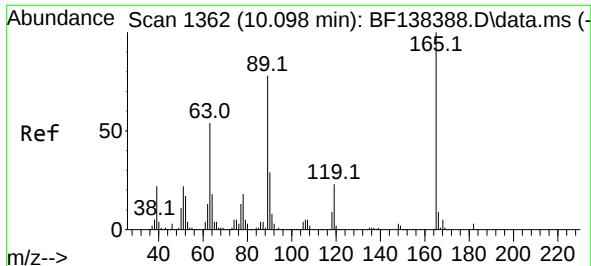
Tgt Ion:172 Resp: 870966
Ion Ratio Lower Upper
172 100
171 35.3 29.0 43.4
170 23.8 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 8.879 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.206 min
Lab File: BF138416.D
Acq: 01 Jul 2024 21:34

Tgt Ion:165 Resp: 30812
Ion Ratio Lower Upper
165 100
63 1.7 53.8 80.8#
89 1.0 46.4 69.6#

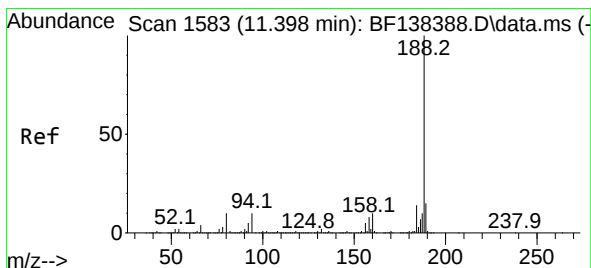
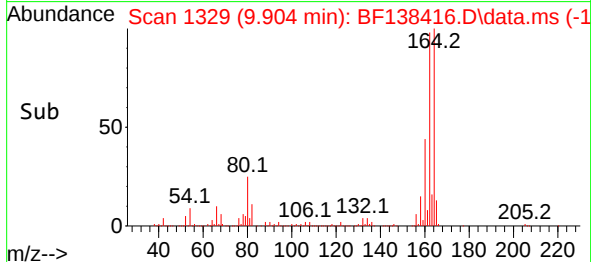
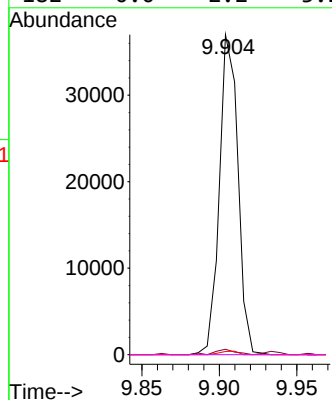
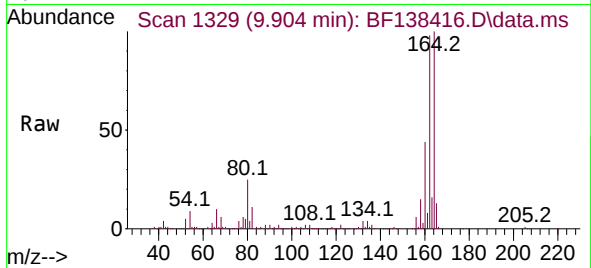




#57
2,4-Dinitrotoluene
Concen: 7.211 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF138416.D
Acq: 01 Jul 2024 21:34

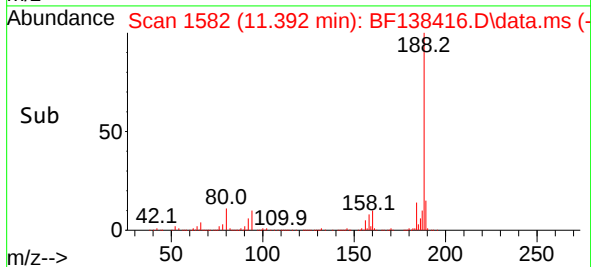
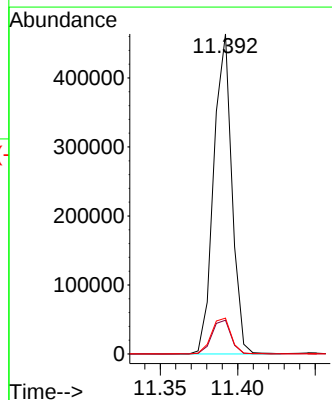
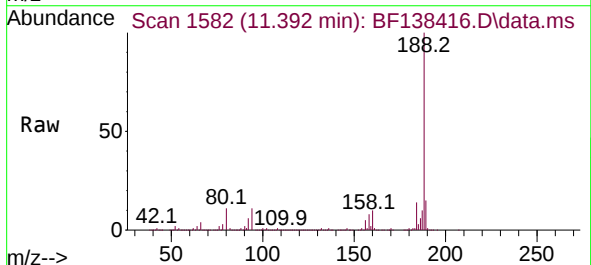
Instrument :
BNA_F
ClientSampleId :
OSTL-D3RE

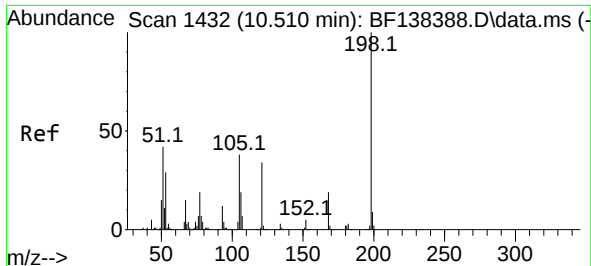
Tgt Ion:165	Resp:	30812
Ion	Ratio	Lower Upper
165	100	
63	1.7	43.4 65.2#
89	1.0	62.6 93.8#
182	0.0	2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF138416.D
Acq: 01 Jul 2024 21:34

Tgt Ion:188	Resp:	377222
Ion	Ratio	Lower Upper
188	100	
94	10.6	8.0 12.0
80	11.2	8.2 12.4

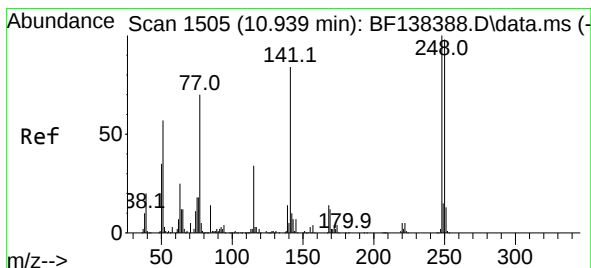
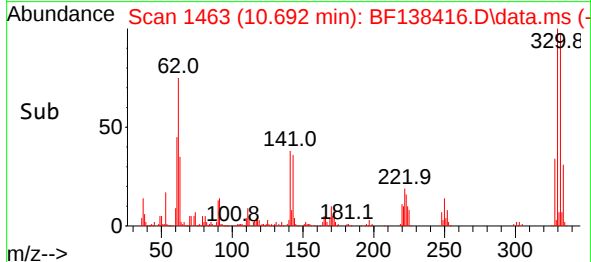
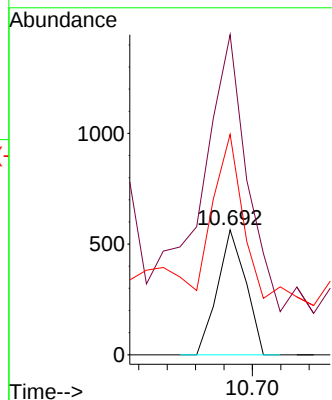
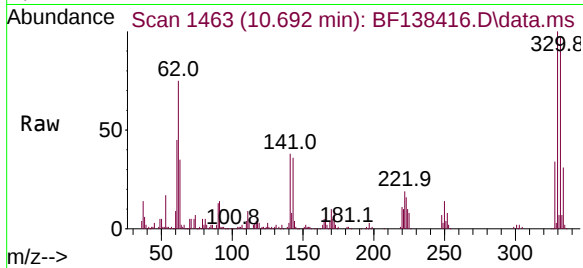




#65
4,6-Dinitro-2-methylphenol
Concen: 5.969 ng
RT: 10.692 min Scan# 1463
Delta R.T. 0.182 min
Lab File: BF138416.D
Acq: 01 Jul 2024 21:34

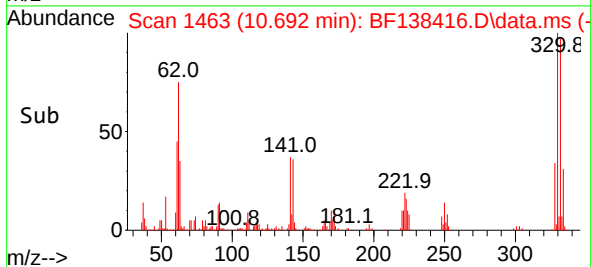
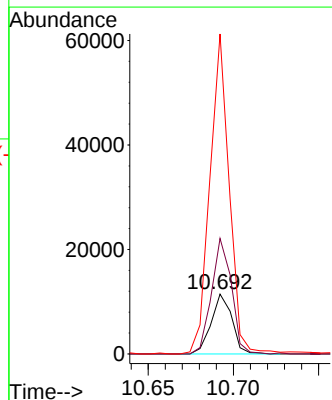
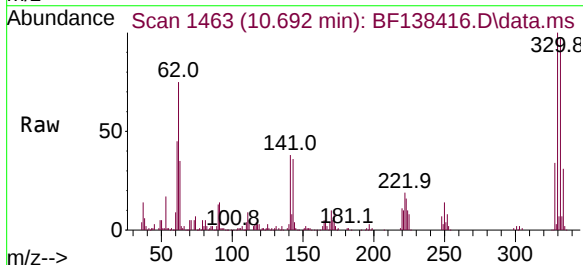
Instrument :
BNA_F
ClientSampleId :
OSTL-D3RE

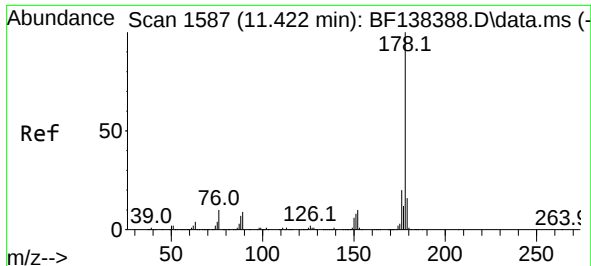
Tgt Ion:198 Resp: 389
Ion Ratio Lower Upper
198 100
51 256.4 27.9 67.9#
105 176.6 18.2 58.2#



#67
4-Bromophenyl-phenylether
Concen: 2.391 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF138416.D
Acq: 01 Jul 2024 21:34

Tgt Ion:248 Resp: 9695
Ion Ratio Lower Upper
248 100
250 193.0 78.2 117.4#
141 534.7 67.6 101.4#

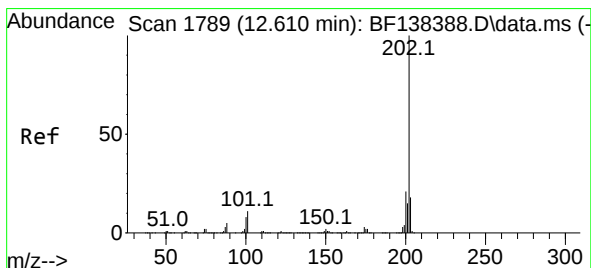
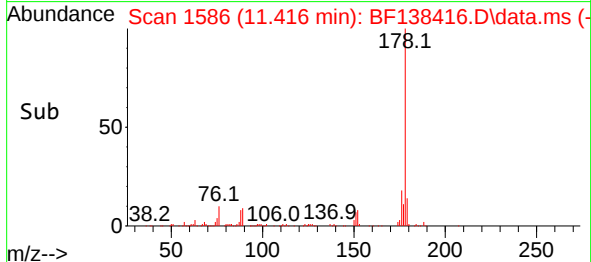
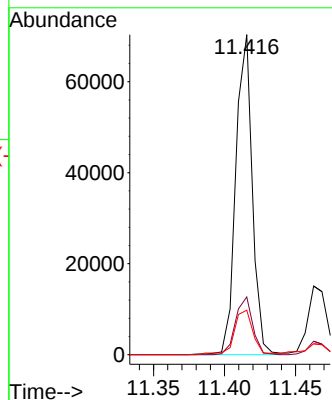
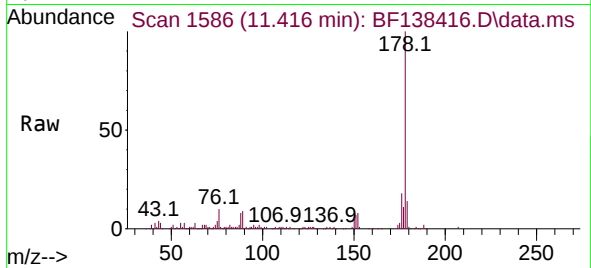




#71
Phenanthrene
Concen: 3.089 ng
RT: 11.416 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF138416.D
Acq: 01 Jul 2024 21:34

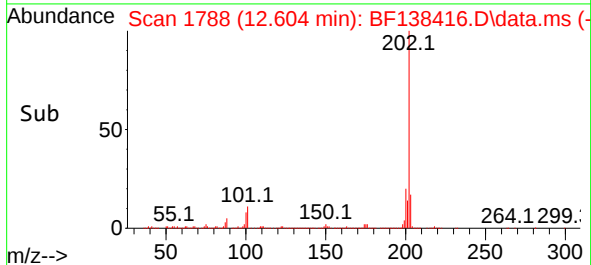
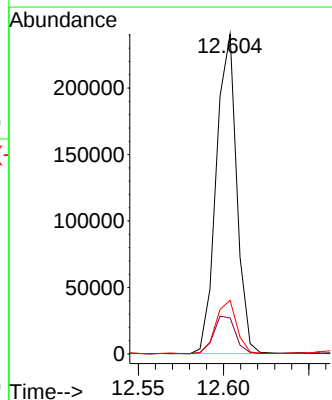
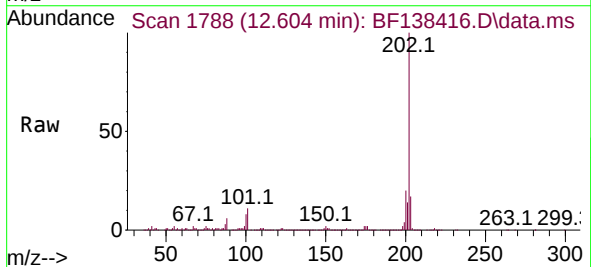
Instrument :
BNA_F
ClientSampleId :
OSTL-D3RE

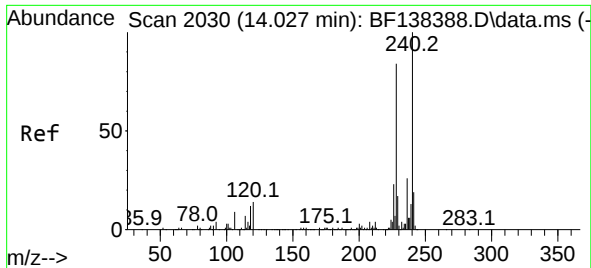
Tgt Ion:178 Resp: 56890
Ion Ratio Lower Upper
178 100
176 18.0 16.1 24.1
179 13.9 12.6 18.8



#75
Fluoranthene
Concen: 12.138 ng
RT: 12.604 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF138416.D
Acq: 01 Jul 2024 21:34

Tgt Ion:202 Resp: 200414
Ion Ratio Lower Upper
202 100
101 11.3 0.0 30.5
203 16.7 0.0 37.6

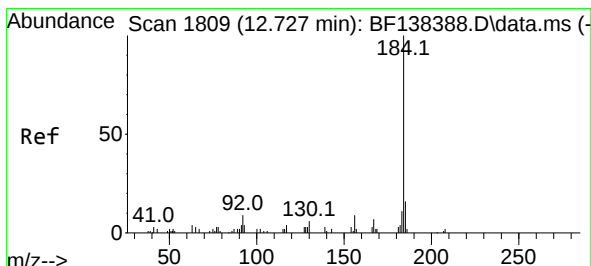
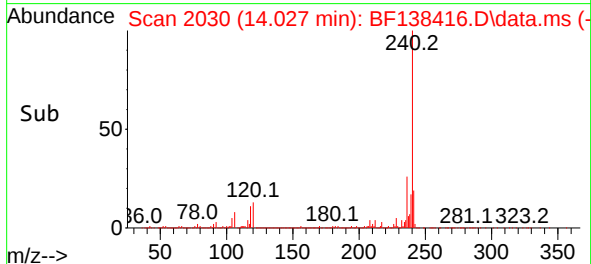
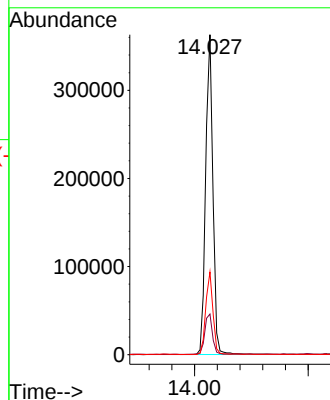
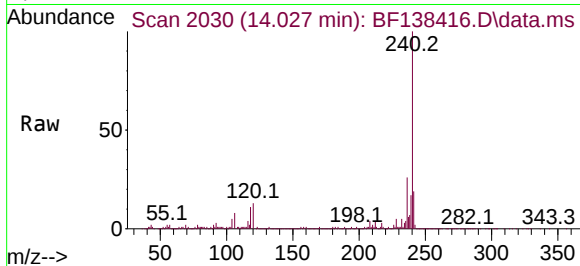




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF138416.D
Acq: 01 Jul 2024 21:34

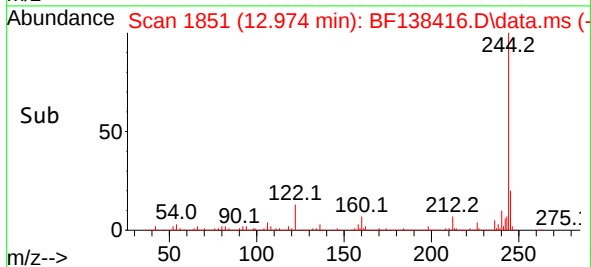
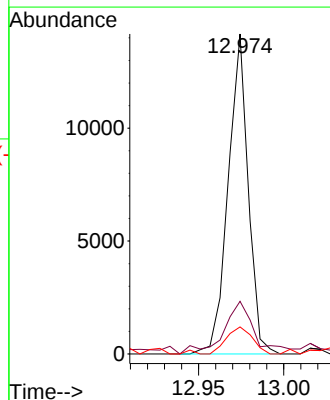
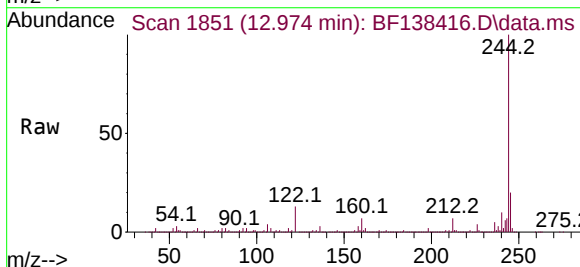
Instrument :
BNA_F
ClientSampleId :
OSTL-D3RE

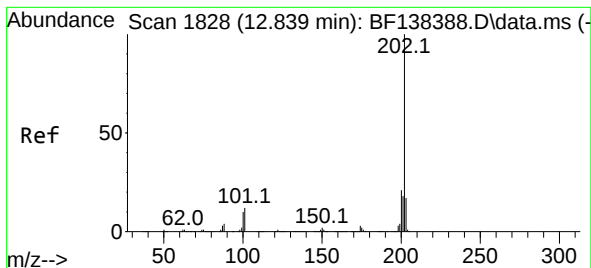
Tgt Ion:240 Resp: 320431
Ion Ratio Lower Upper
240 100
120 12.7 10.9 16.3
236 25.9 20.6 30.8



#77
Benzidine
Concen: 4.534 ng
RT: 12.974 min Scan# 1851
Delta R.T. 0.247 min
Lab File: BF138416.D
Acq: 01 Jul 2024 21:34

Tgt Ion:184 Resp: 11617
Ion Ratio Lower Upper
184 100
185 16.5 13.0 19.4
183 8.4 9.0 13.6#





#78

Pyrene

Concen: 5.444 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.012 min

Lab File: BF138416.D

Acq: 01 Jul 2024 21:34

Instrument :

BNA_F

ClientSampleId :

OSTL-D3RE

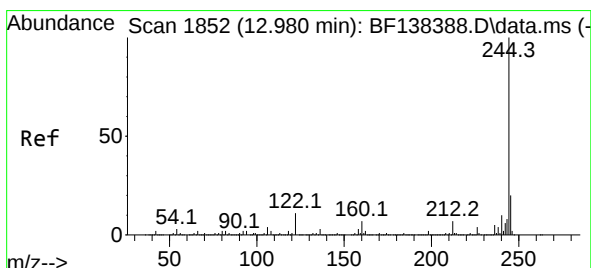
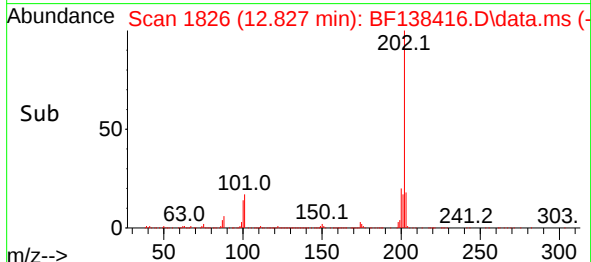
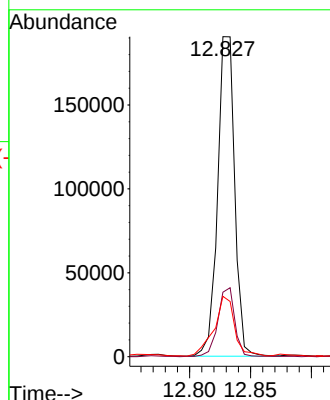
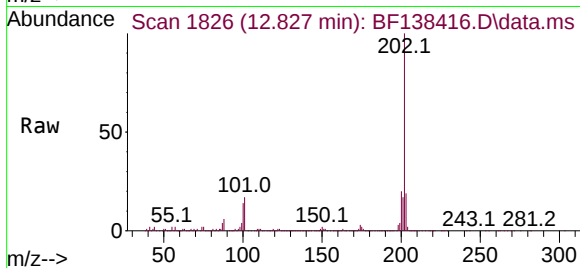
Tgt Ion:202 Resp: 186451

Ion Ratio Lower Upper

202 100

200 20.1 16.9 25.3

203 18.8 13.8 20.8



#79

Terphenyl-d14

Concen: 37.949 ng

RT: 12.974 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF138416.D

Acq: 01 Jul 2024 21:34

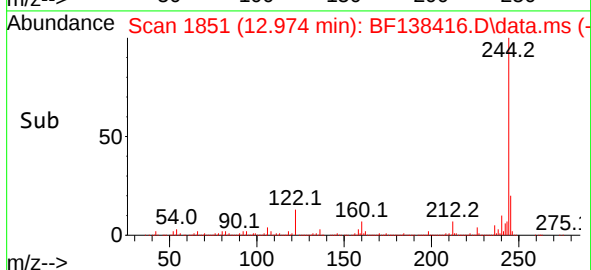
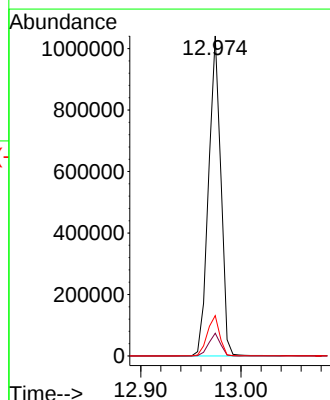
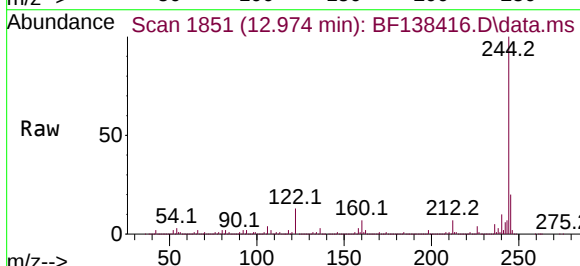
Tgt Ion:244 Resp: 887318

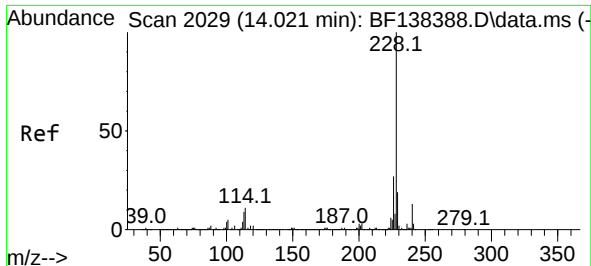
Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

122 12.6 9.0 13.4

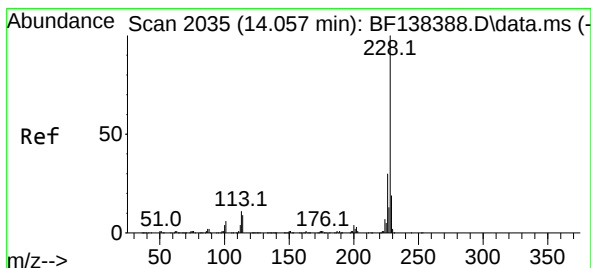
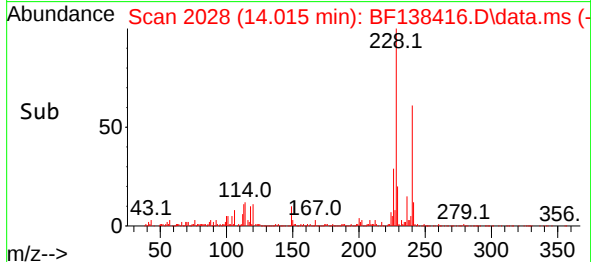
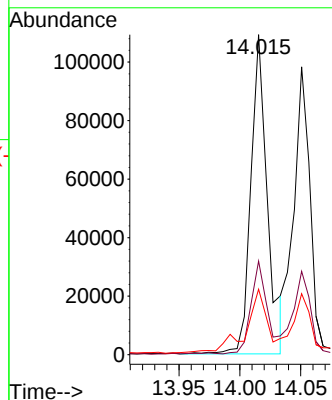
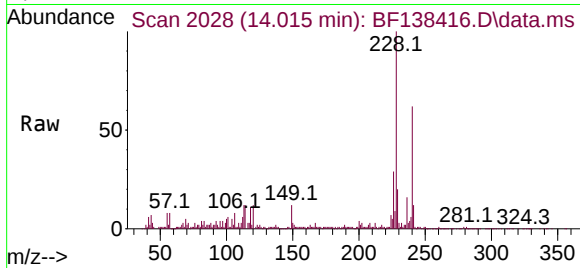




#81
Benzo(a)anthracene
Concen: 4.995 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF138416.D
Acq: 01 Jul 2024 21:34

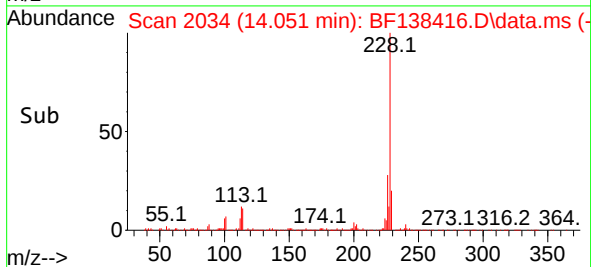
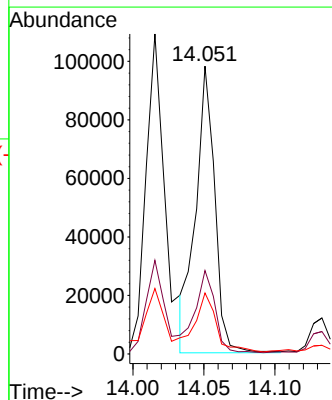
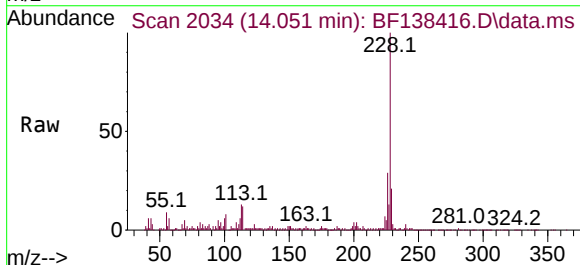
Instrument :
BNA_F
ClientSampleId :
OSTL-D3RE

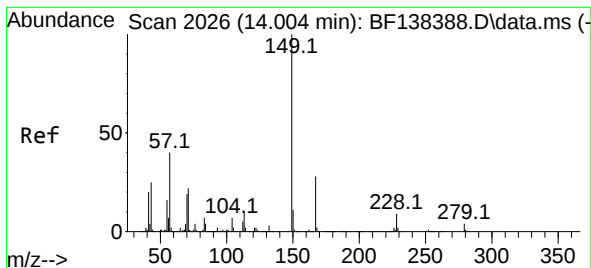
Tgt Ion:228 Resp: 103028
Ion Ratio Lower Upper
228 100
226 29.3 21.7 32.5
229 20.5 15.5 23.3



#83
Chrysene
Concen: 4.570 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF138416.D
Acq: 01 Jul 2024 21:34

Tgt Ion:228 Resp: 91720
Ion Ratio Lower Upper
228 100
226 29.0 23.8 35.6
229 21.2 15.2 22.8

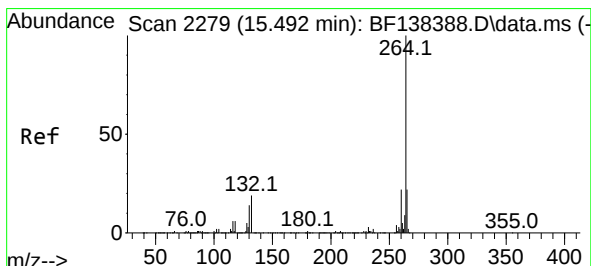
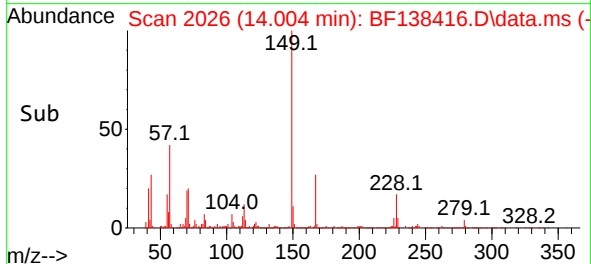
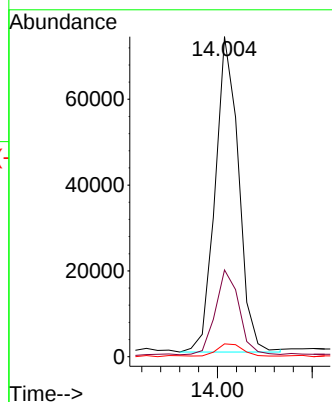
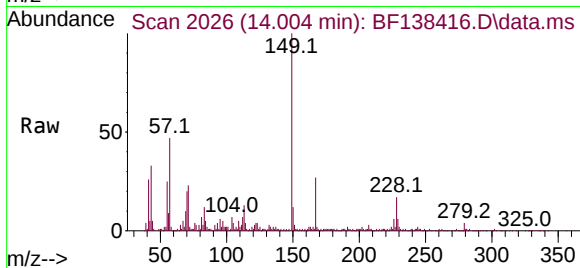




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.840 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF138416.D
Acq: 01 Jul 2024 21:34

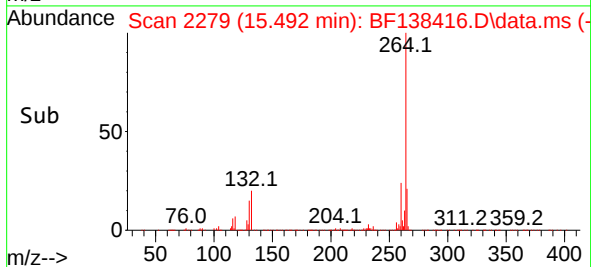
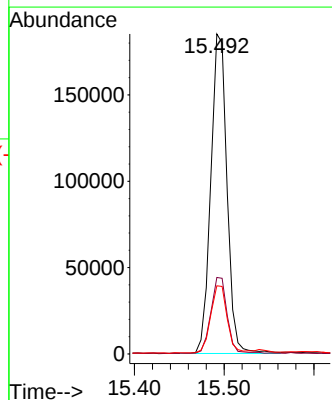
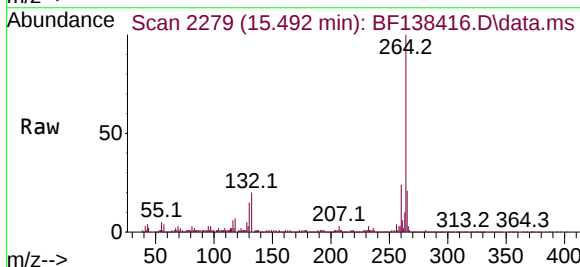
Instrument :
BNA_F
ClientSampleId :
OSTL-D3RE

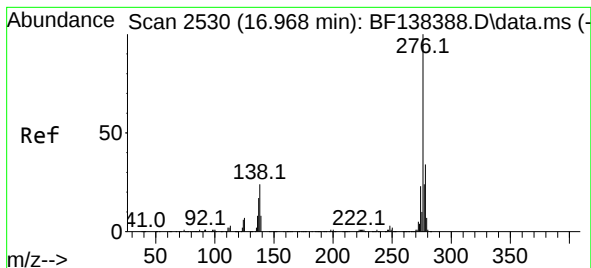
Tgt Ion:149 Resp: 63251
Ion Ratio Lower Upper
149 100
167 27.1 22.6 33.8
279 4.0 3.2 4.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2279
Delta R.T. -0.000 min
Lab File: BF138416.D
Acq: 01 Jul 2024 21:34

Tgt Ion:264 Resp: 232217
Ion Ratio Lower Upper
264 100
260 23.9 17.8 26.6
265 21.3 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.010 ng

RT: 16.956 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF138416.D

Acq: 01 Jul 2024 21:34

Instrument :

BNA_F

ClientSampleId :

OSTL-D3RE

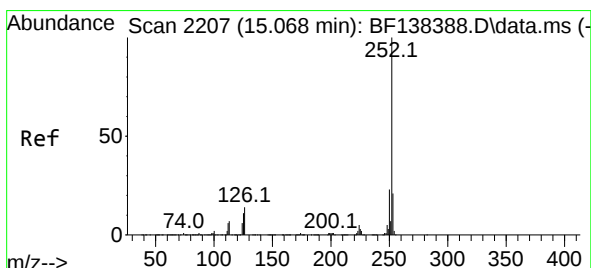
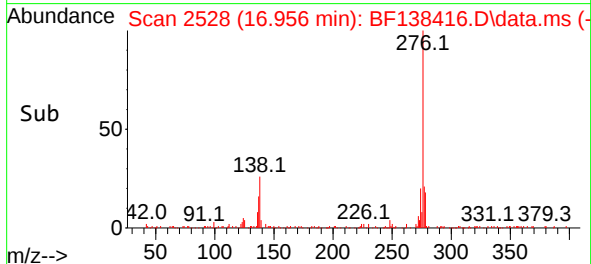
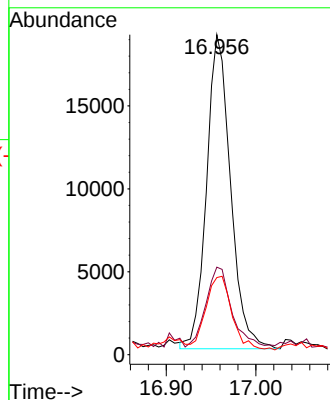
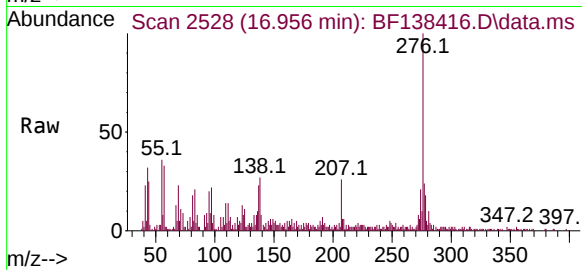
Tgt Ion:276 Resp: 35126

Ion Ratio Lower Upper

276 100

138 27.0 22.1 33.1

277 24.5 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 9.010 ng

RT: 15.062 min Scan# 2206

Delta R.T. -0.006 min

Lab File: BF138416.D

Acq: 01 Jul 2024 21:34

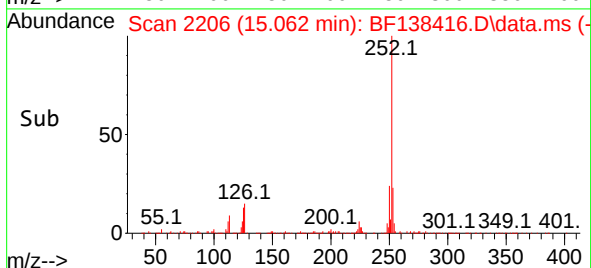
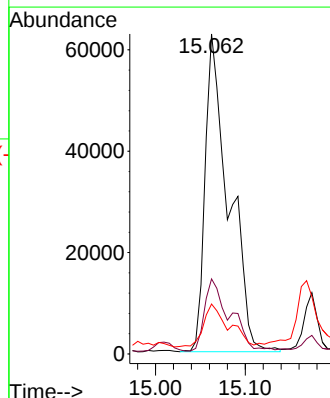
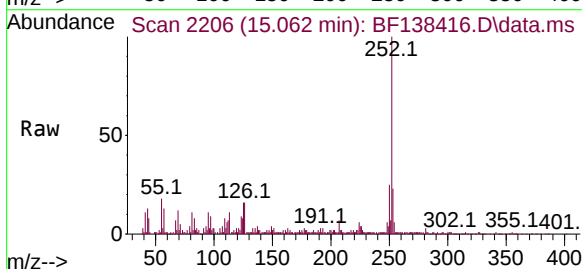
Tgt Ion:252 Resp: 114791

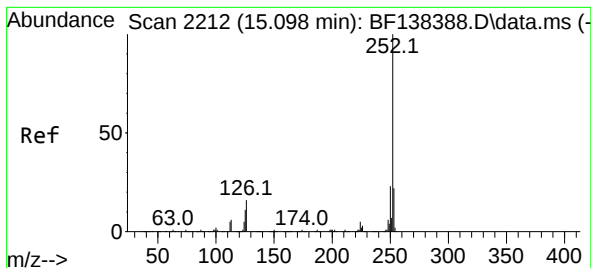
Ion Ratio Lower Upper

252 100

253 23.4 17.0 25.4

125 15.6 8.6 12.8#





#89

Benzo(k)fluoranthene

Concen: 9.782 ng

RT: 15.062 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF138416.D

Acq: 01 Jul 2024 21:34

Instrument :

BNA_F

ClientSampleId :

OSTL-D3RE

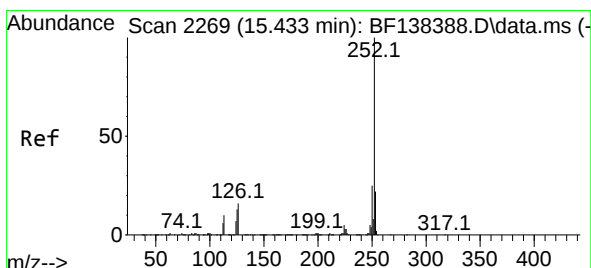
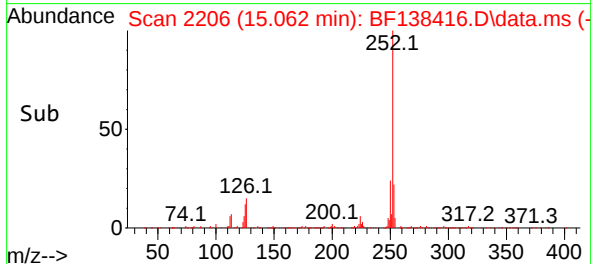
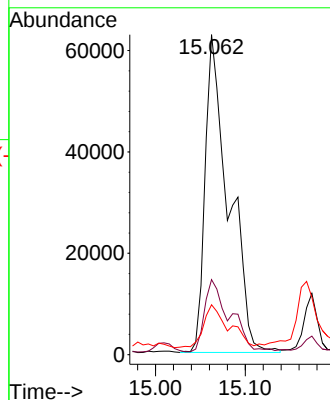
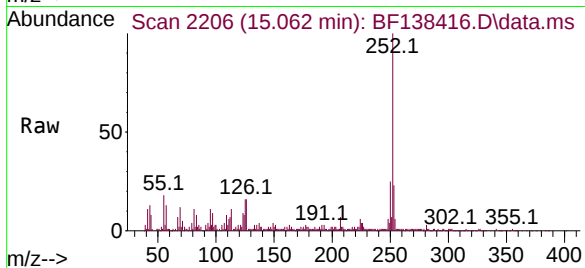
Tgt Ion:252 Resp: 114791

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.2

125 15.6 8.7 13.1#



#90

Benzo(a)pyrene

Concen: 4.835 ng

RT: 15.433 min Scan# 2269

Delta R.T. -0.000 min

Lab File: BF138416.D

Acq: 01 Jul 2024 21:34

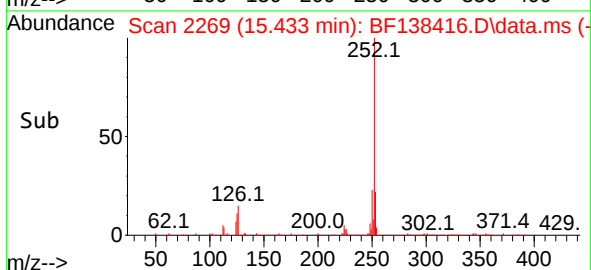
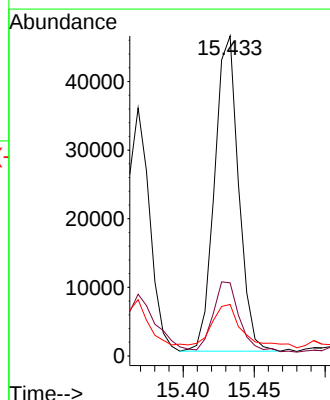
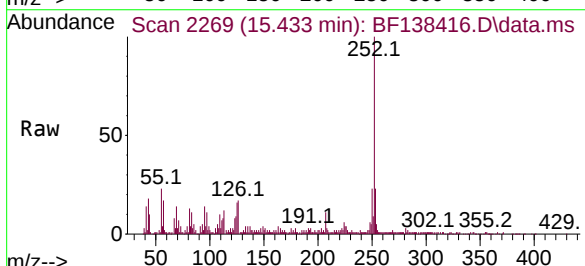
Tgt Ion:252 Resp: 53991

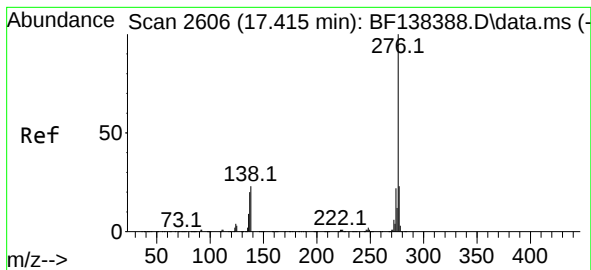
Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

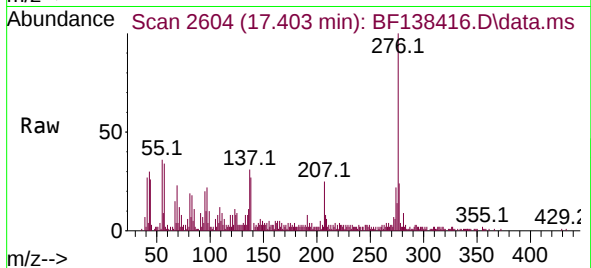
125 16.1 10.2 15.2#





#92
 Benzo(g,h,i)perylene
 Concen: 3.780 ng
 RT: 17.403 min Scan# 2064
 Delta R.T. -0.012 min
 Lab File: BF138416.D
 Acq: 01 Jul 2024 21:34

Instrument :
 BNA_F
 ClientSampleId :
 OSTL-D3RE



Tgt Ion:	276	Resp:	34825
Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.3	27.5
138	27.1	18.3	27.5

