

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052322\
 Data File : BF128416.D
 Acq On : 23 May 2022 23:08
 Operator : CG\JU
 Sample : N2963-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-208

Quant Time: May 24 01:24:29 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 21 05:28:09 2022
 Response via : Initial Calibration

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

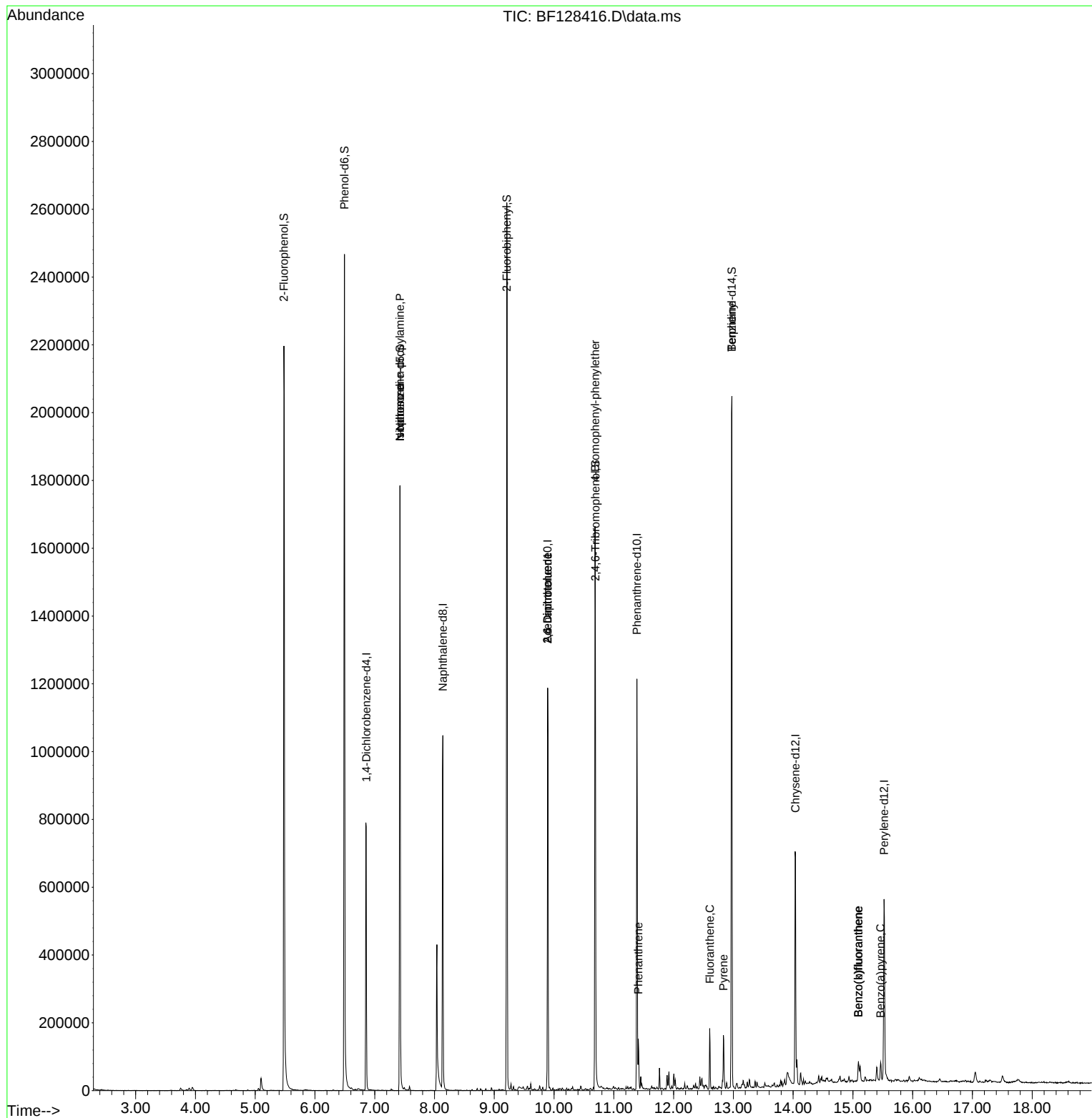
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	119950	20.000	ng	0.00
21) Naphthalene-d8	8.140	136	458782	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	253666	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	425472	20.000	ng	0.00
76) Chrysene-d12	14.039	240	240798	20.000	ng	-0.01
86) Perylene-d12	15.521	264	254832	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	646502	85.771	ng	0.00
7) Phenol-d6	6.493	99	835895	84.219	ng	0.00
23) Nitrobenzene-d5	7.422	82	594393	58.049	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	199166	76.132	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	841542	54.253	ng	-0.01
79) Terphenyl-d14	12.975	244	742377	59.515	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.493	77	1475	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.422	70	77599	13.072	ng	# 78
25) Isophorone	7.422	82	594386	37.879	ng	# 68
51) 2,6-Dinitrotoluene	9.892	165	32602	9.225	ng	# 21
57) 2,4-Dinitrotoluene	9.892	165	32602	7.322	ng	# 26
67) 4-Bromophenyl-phenylether	10.686	248	12061	2.709	ng	# 1
71) Phenanthrene	11.410	178	52912	2.548	ng	97
75) Fluoranthene	12.604	202	65500	2.913	ng	99
77) Benzidine	12.975	184	10547	2.106	ng	# 94
78) Pyrene	12.833	202	64761	3.592	ng	99
88) Benzo(b)fluoranthene	15.092	252	43982	2.775	ng	98
89) Benzo(k)fluoranthene	15.092	252	43982	2.962	ng	# 98
90) Benzo(a)pyrene	15.463	252	25837	2.030	ng	95

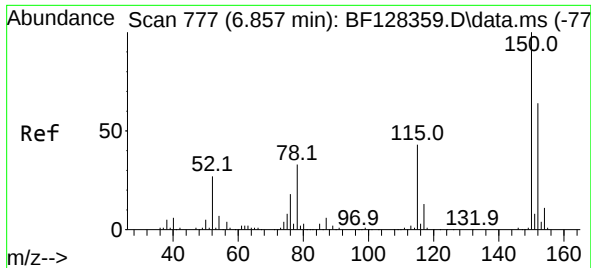
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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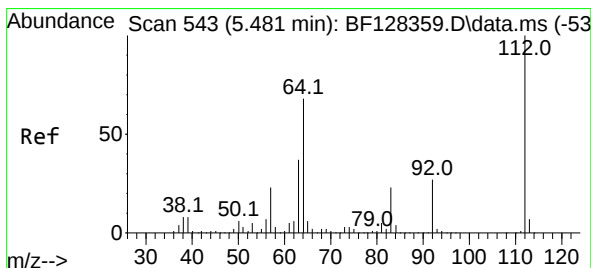
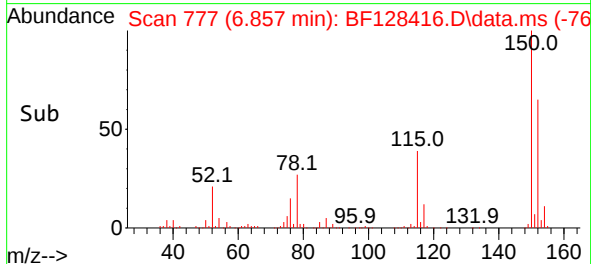
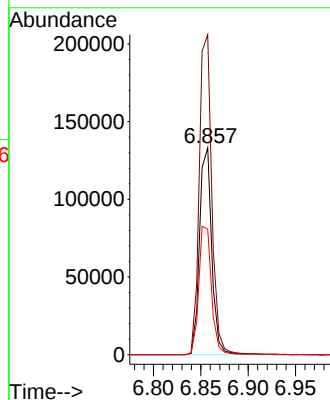
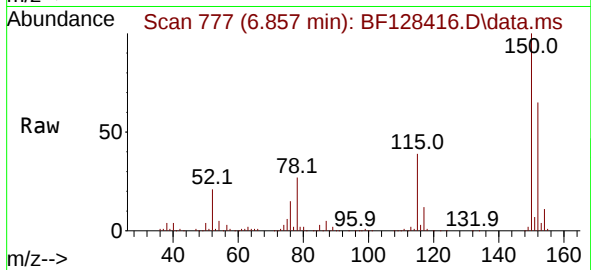




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF128416.D
Acq: 23 May 2022 23:08

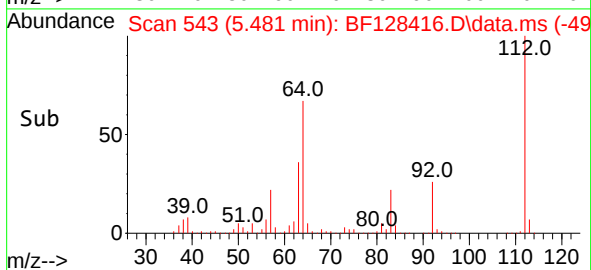
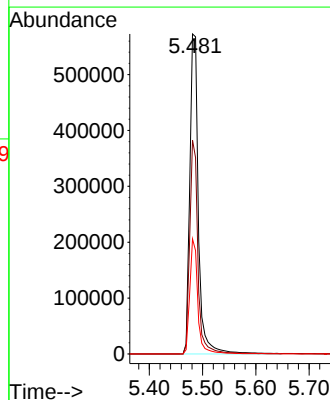
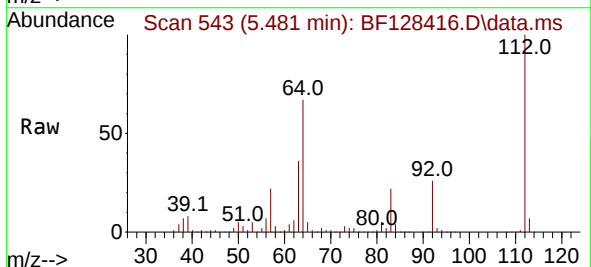
Instrument :
BNA_F
ClientSampleId :
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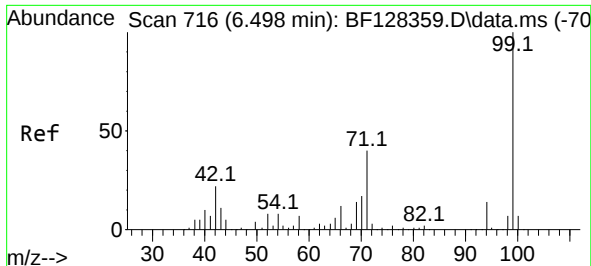
Tgt Ion:152 Resp: 119950
Ion Ratio Lower Upper
152 100
150 154.7 125.3 187.9
115 60.7 48.8 73.2



#5
2-Fluorophenol
Concen: 85.771 ng
RT: 5.481 min Scan# 543
Delta R.T. 0.000 min
Lab File: BF128416.D
Acq: 23 May 2022 23:08

Tgt Ion:112 Resp: 646502
Ion Ratio Lower Upper
112 100
64 66.9 49.5 74.3
63 36.0 26.3 39.5

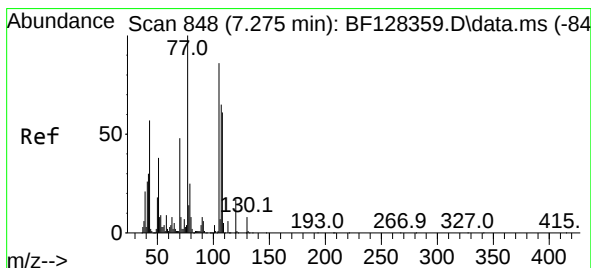
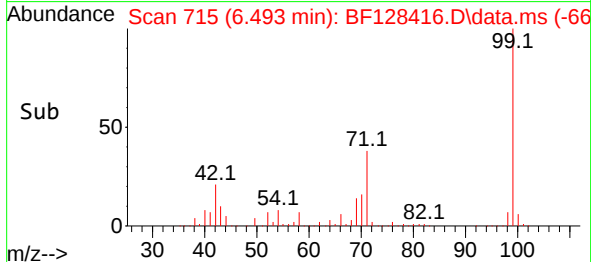
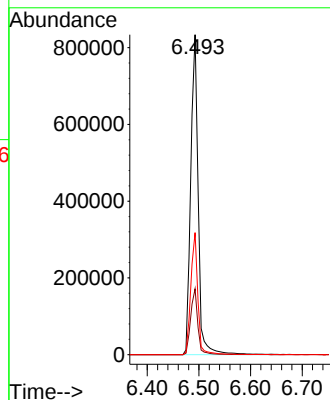
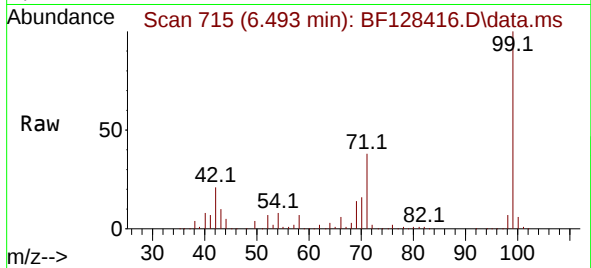




#7
Phenol-d6
Concen: 84.219 ng
RT: 6.493 min Scan# 716
Delta R.T. -0.006 min
Lab File: BF128416.D
Acq: 23 May 2022 23:08

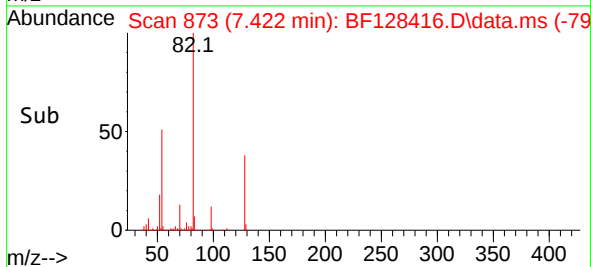
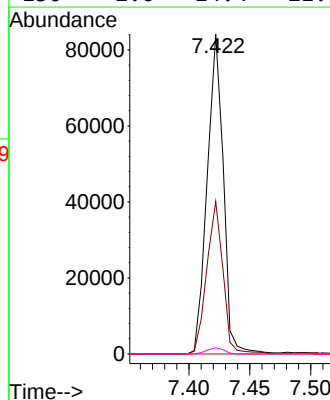
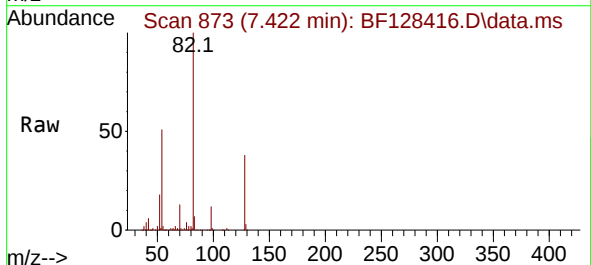
Instrument :
BNA_F
ClientSampleId :
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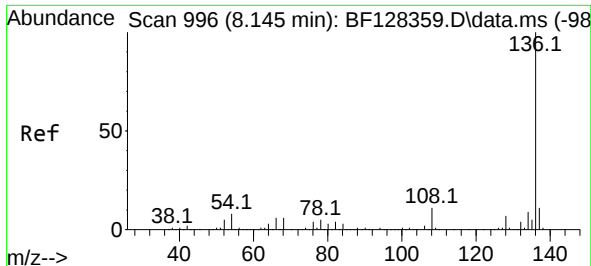
Tgt Ion: 99 Resp: 835895
Ion Ratio Lower Upper
99 100
42 20.6 16.6 24.8
71 38.2 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 13.072 ng
RT: 7.422 min Scan# 873
Delta R.T. 0.147 min
Lab File: BF128416.D
Acq: 23 May 2022 23:08

Tgt Ion: 70 Resp: 77599
Ion Ratio Lower Upper
70 100
42 47.7 48.7 73.1#
101 0.0 7.2 10.8#
130 2.0 14.4 21.6#

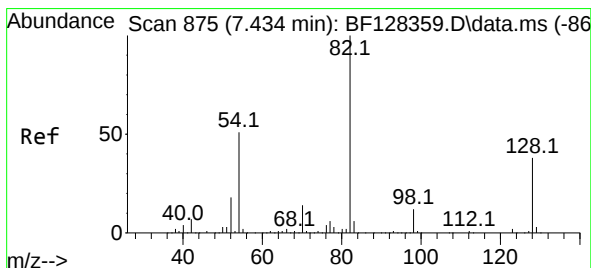
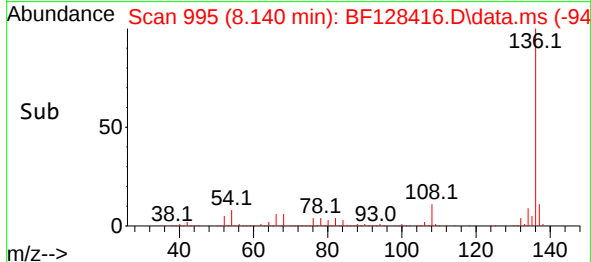
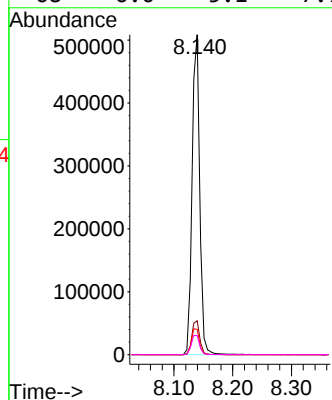
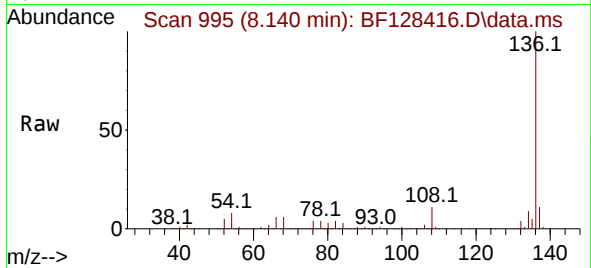




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.140 min Scan# 996
Delta R.T. -0.005 min
Lab File: BF128416.D
Acq: 23 May 2022 23:08

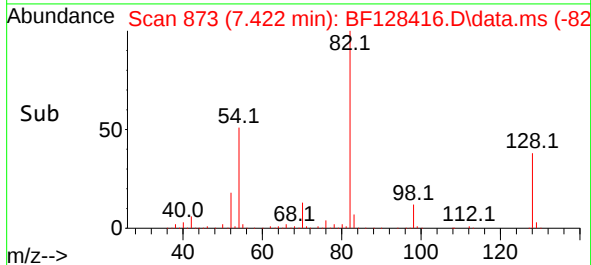
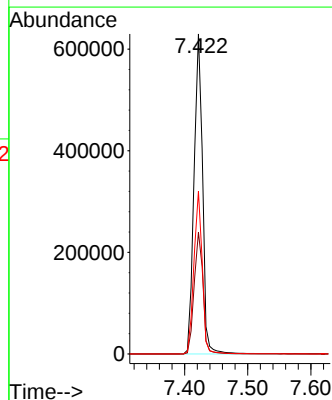
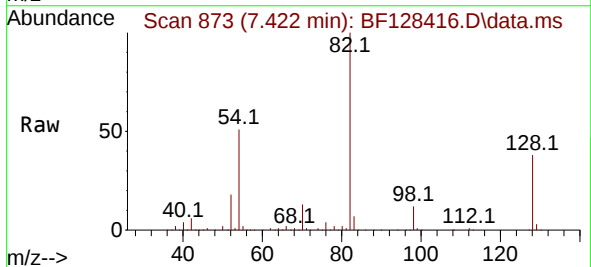
Instrument :
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ClientSampleId :
VNJ-208

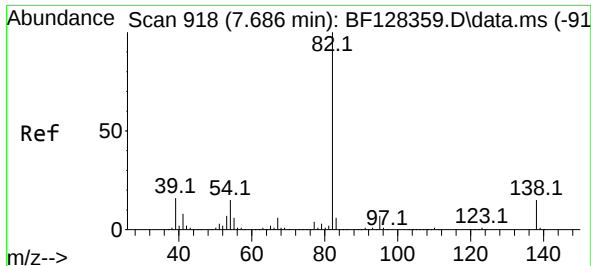
Tgt Ion:136 Resp: 458782
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 7.9 6.8 10.2
68 6.0 5.1 7.7



#23
Nitrobenzene-d5
Concen: 58.049 ng
RT: 7.422 min Scan# 873
Delta R.T. -0.012 min
Lab File: BF128416.D
Acq: 23 May 2022 23:08

Tgt Ion: 82 Resp: 594393
Ion Ratio Lower Upper
82 100
128 38.1 30.0 45.0
54 50.9 41.3 61.9

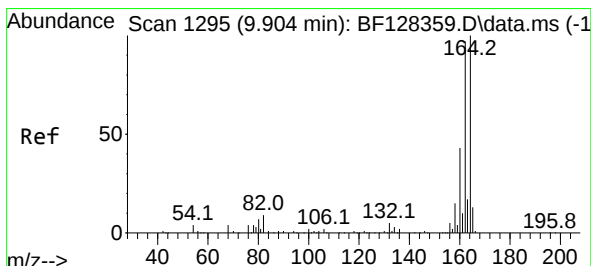
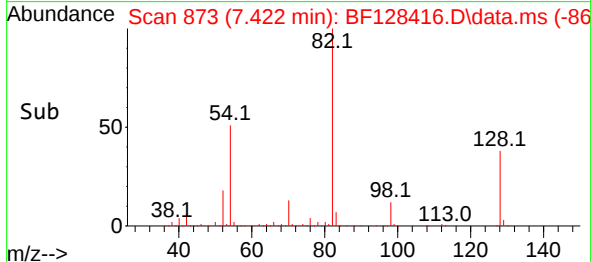
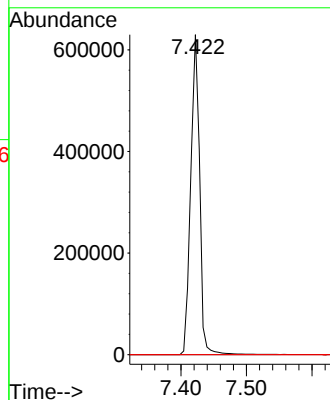
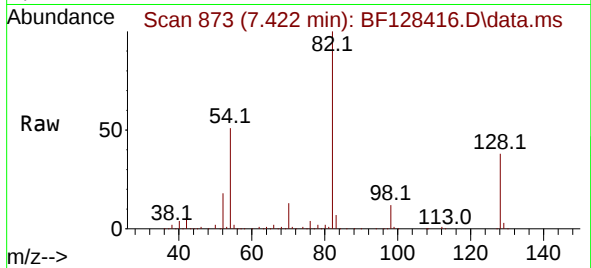




#25
Isophorone
Concen: 37.879 ng
RT: 7.422 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF128416.D
Acq: 23 May 2022 23:08

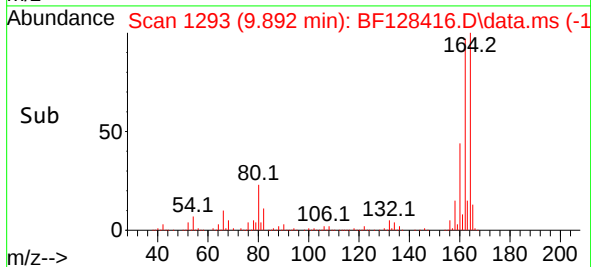
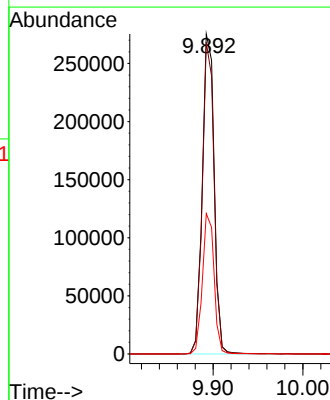
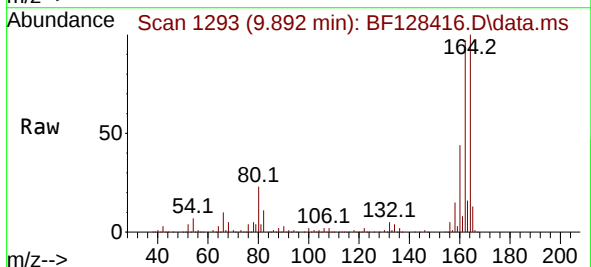
Instrument :
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ClientSampleId :
VNJ-208

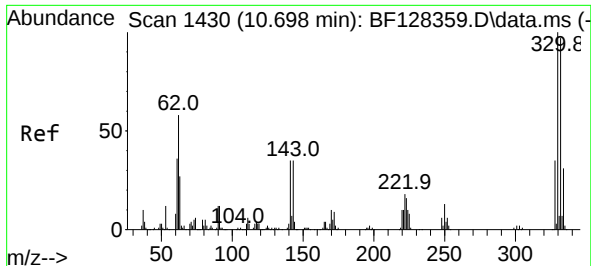
Tgt Ion: 82 Resp: 594386
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1293
Delta R.T. -0.012 min
Lab File: BF128416.D
Acq: 23 May 2022 23:08

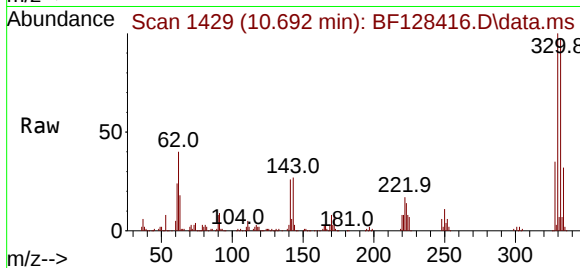
Tgt Ion:164 Resp: 253666
Ion Ratio Lower Upper
164 100
162 97.4 76.0 114.0
160 43.8 34.8 52.2



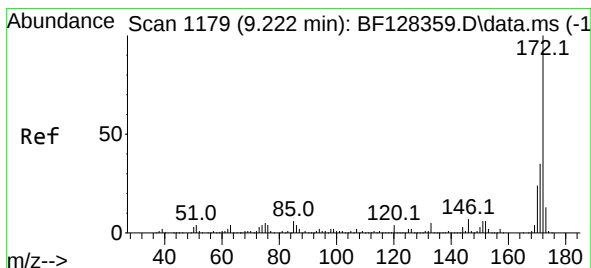
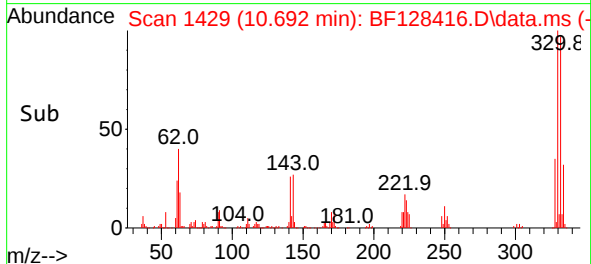
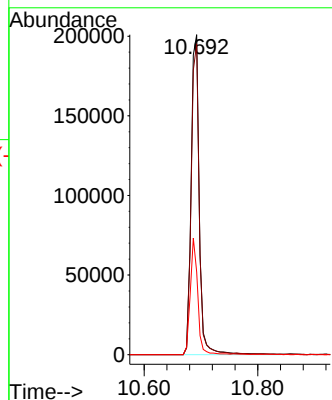


#42
2,4,6-Tribromophenol
Concen: 76.132 ng
RT: 10.692 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF128416.D
Acq: 23 May 2022 23:08

Instrument :
BNA_F
ClientSampleId :
VNJ-208

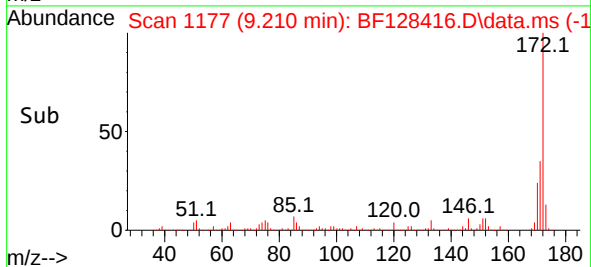
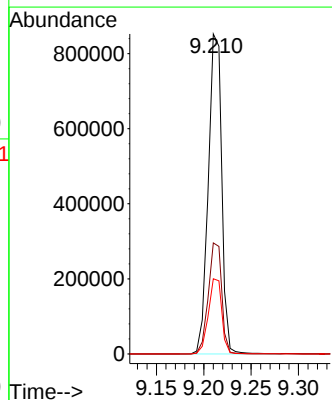
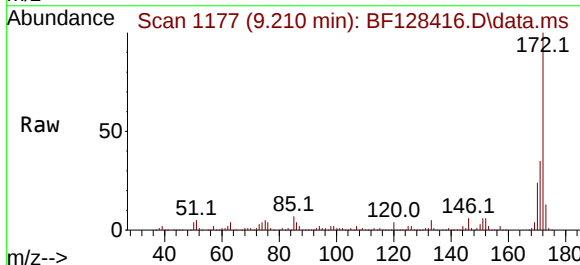


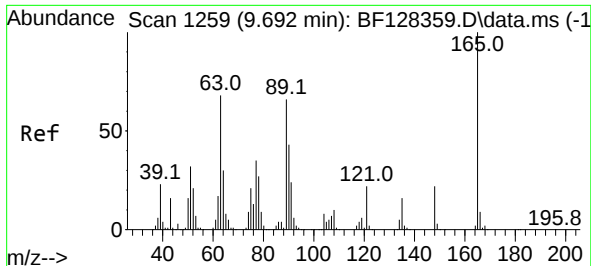
Tgt Ion:330 Resp: 199166
Ion Ratio Lower Upper
330 100
332 95.2 79.0 118.4
141 33.5 28.9 43.3



#45
2-Fluorobiphenyl
Concen: 54.253 ng
RT: 9.210 min Scan# 1177
Delta R.T. -0.012 min
Lab File: BF128416.D
Acq: 23 May 2022 23:08

Tgt Ion:172 Resp: 841542
Ion Ratio Lower Upper
172 100
171 34.7 28.6 42.8
170 23.5 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 9.225 ng

RT: 9.892 min Scan# 11

Delta R.T. 0.200 min

Lab File: BF128416.D

Acq: 23 May 2022 23:08

Instrument :

BNA_F

ClientSampleId :

VNJ-208

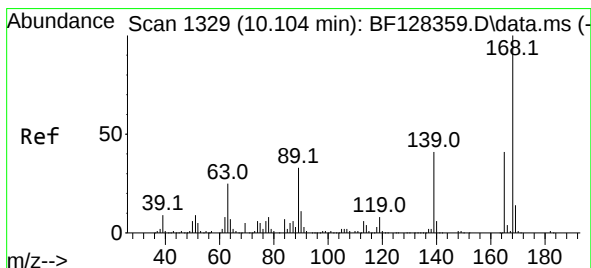
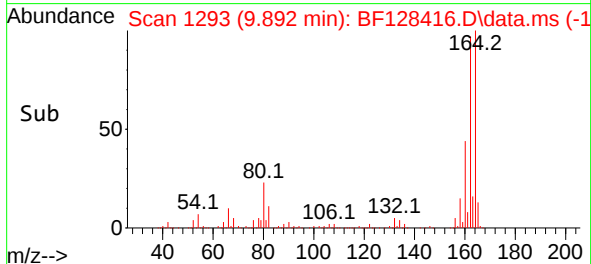
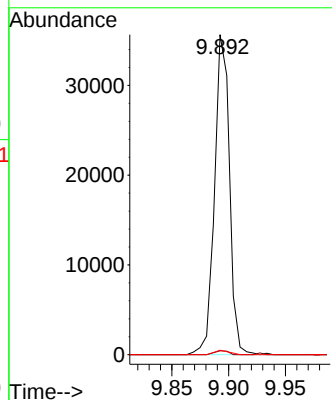
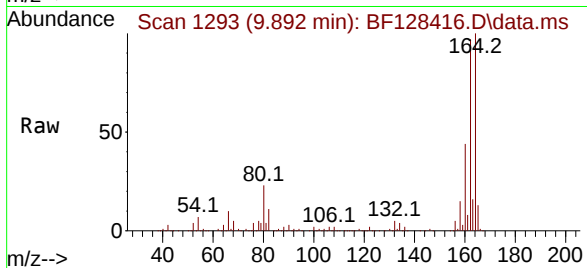
Tgt Ion:165 Resp: 32602

Ion Ratio Lower Upper

165 100

63 1.2 49.5 74.3#

89 1.4 49.0 73.4#



#57

2,4-Dinitrotoluene

Concen: 7.322 ng

RT: 9.892 min Scan# 1293

Delta R.T. -0.212 min

Lab File: BF128416.D

Acq: 23 May 2022 23:08

Tgt Ion:165 Resp: 32602

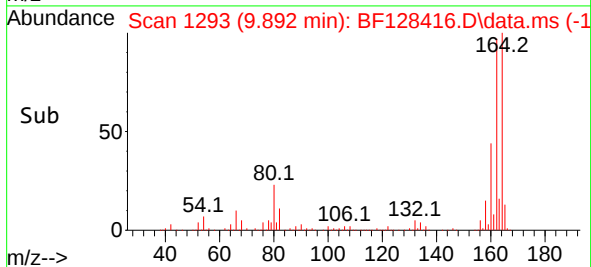
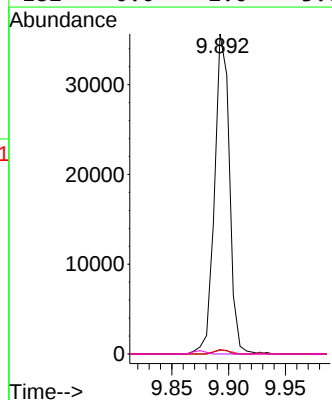
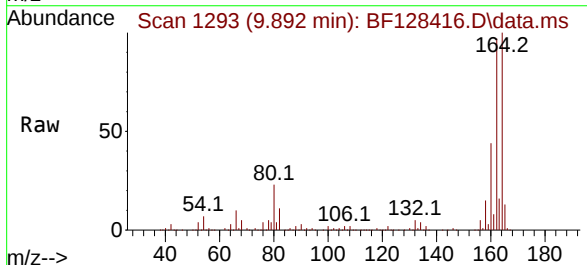
Ion Ratio Lower Upper

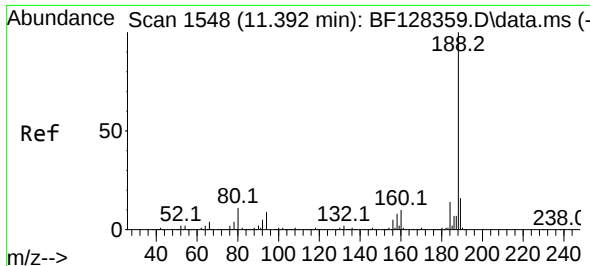
165 100

63 1.2 32.6 49.0#

89 1.4 55.2 82.8#

182 0.0 2.0 3.0#

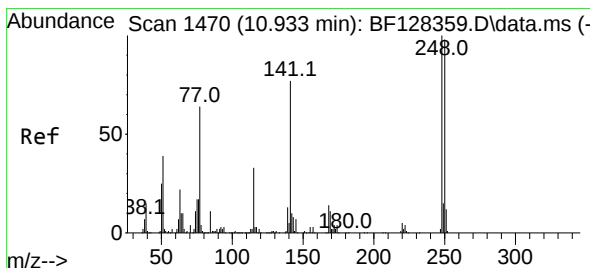
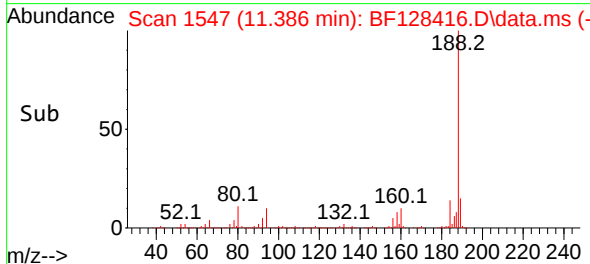
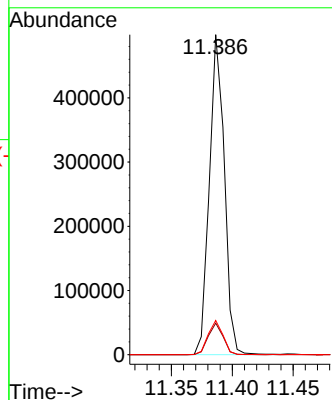
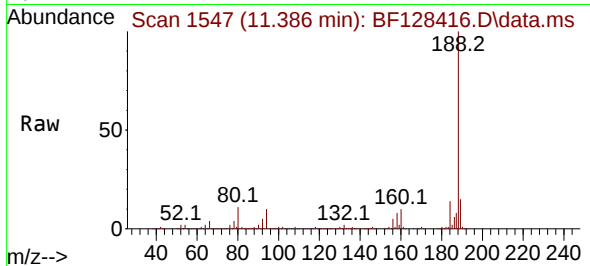




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128416.D
Acq: 23 May 2022 23:08

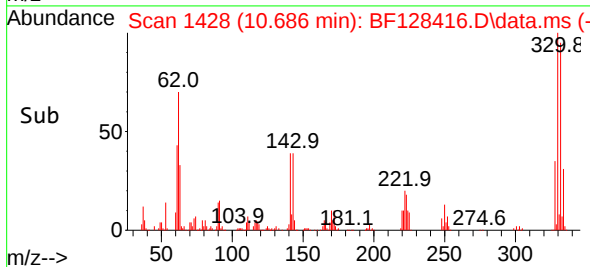
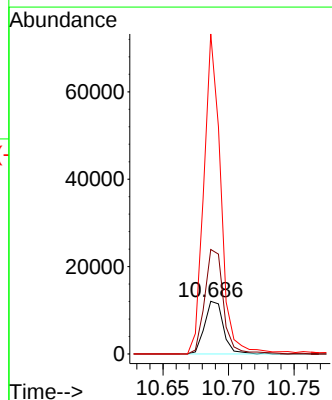
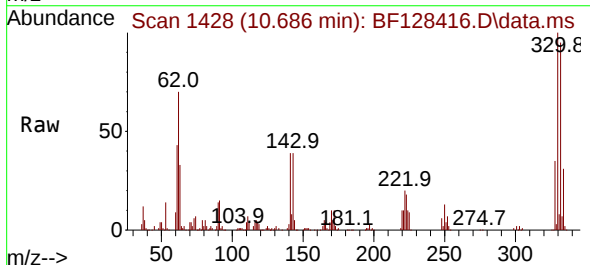
Instrument :
BNA_F
ClientSampleId :
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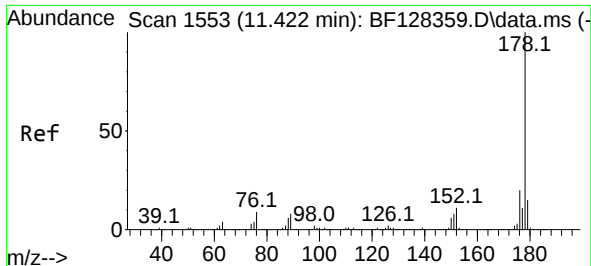
Tgt Ion:188 Resp: 425472
Ion Ratio Lower Upper
188 100
94 9.9 8.0 12.0
80 10.7 8.9 13.3



#67
4-Bromophenyl-phenylether
Concen: 2.709 ng
RT: 10.686 min Scan# 1428
Delta R.T. -0.247 min
Lab File: BF128416.D
Acq: 23 May 2022 23:08

Tgt Ion:248 Resp: 12061
Ion Ratio Lower Upper
248 100
250 198.7 77.7 116.5#
141 608.7 65.6 98.4#

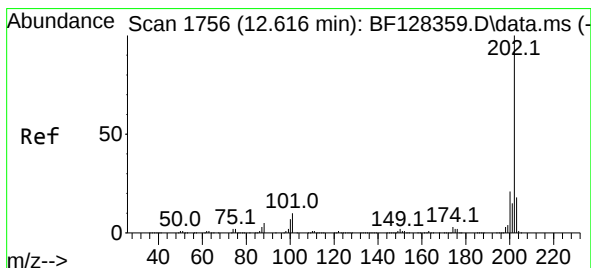
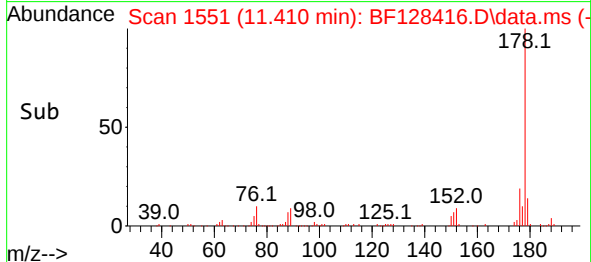
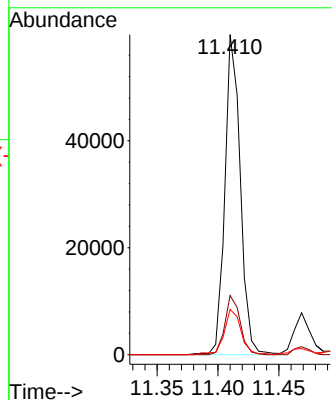
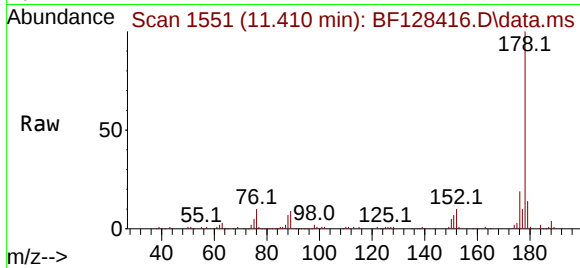




#71
Phenanthrene
Concen: 2.548 ng
RT: 11.410 min Scan# 1551
Delta R.T. -0.012 min
Lab File: BF128416.D
Acq: 23 May 2022 23:08

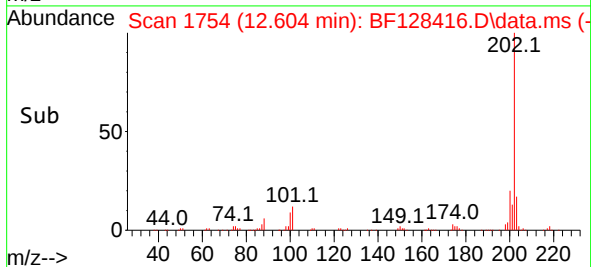
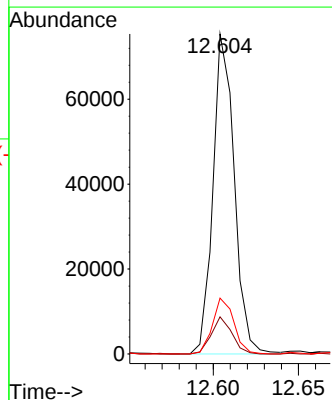
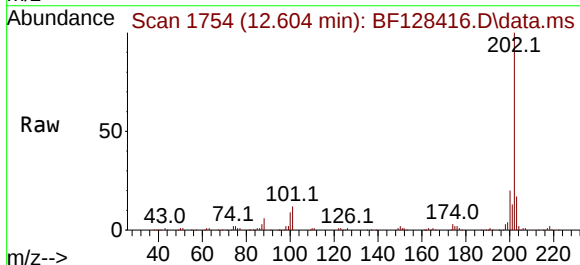
Instrument :
BNA_F
ClientSampleId :
VNJ-208

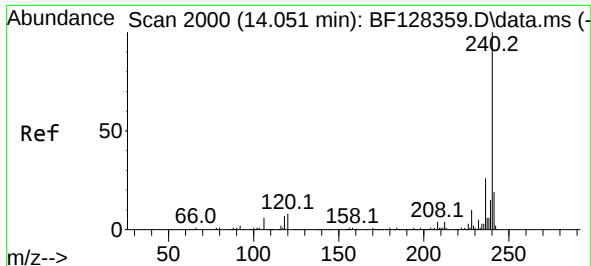
Tgt Ion:178 Resp: 52912
Ion Ratio Lower Upper
178 100
176 18.5 15.7 23.5
179 14.1 12.6 19.0



#75
Fluoranthene
Concen: 2.913 ng
RT: 12.604 min Scan# 1754
Delta R.T. -0.012 min
Lab File: BF128416.D
Acq: 23 May 2022 23:08

Tgt Ion:202 Resp: 65500
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.6
203 17.4 0.0 38.1

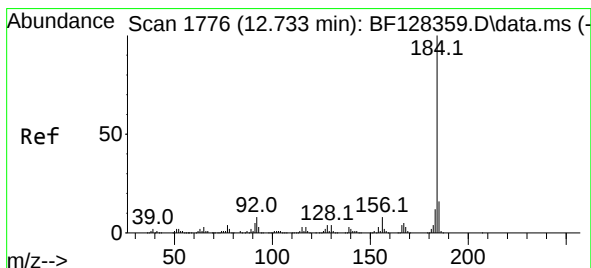
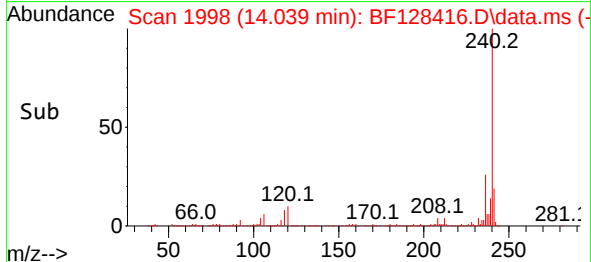
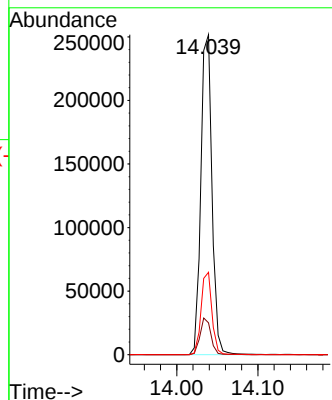
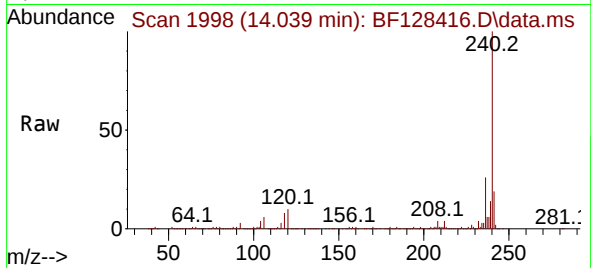




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 1998
Delta R.T. -0.012 min
Lab File: BF128416.D
Acq: 23 May 2022 23:08

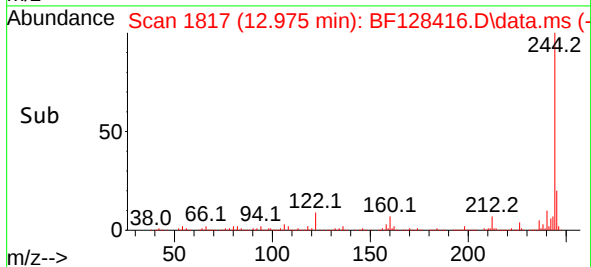
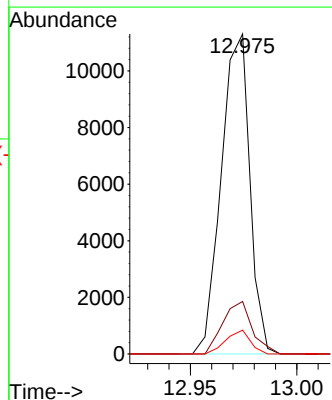
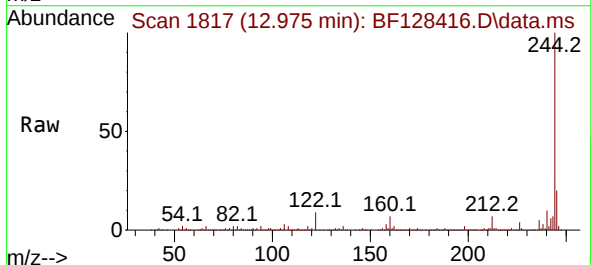
Instrument :
BNA_F
ClientSampleId :
VNJ-208

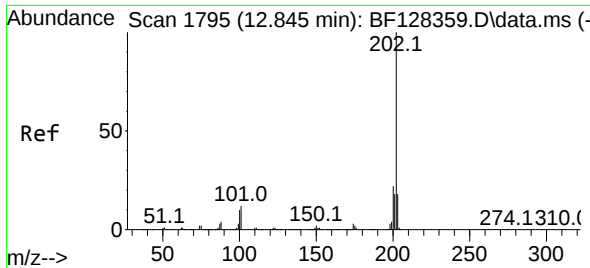
Tgt Ion:240 Resp: 240798
Ion Ratio Lower Upper
240 100
120 10.0 7.0 10.6
236 25.8 20.3 30.5



#77
Benzidine
Concen: 2.106 ng
RT: 12.975 min Scan# 1817
Delta R.T. 0.241 min
Lab File: BF128416.D
Acq: 23 May 2022 23:08

Tgt Ion:184 Resp: 10547
Ion Ratio Lower Upper
184 100
185 16.4 12.1 18.1
183 7.5 9.0 13.4#

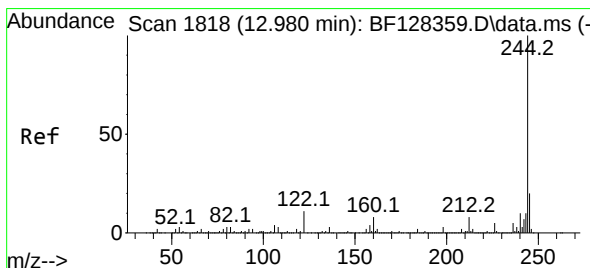
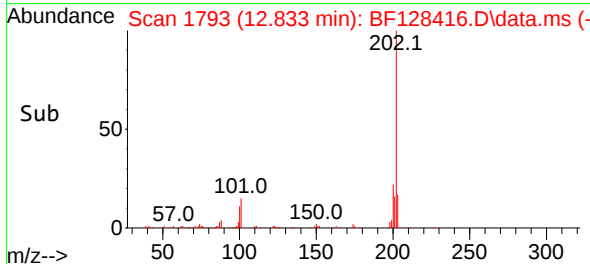
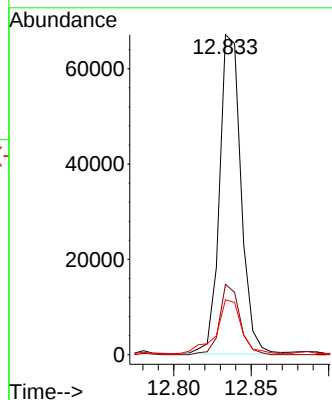
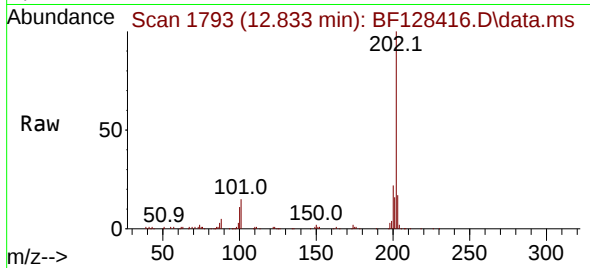




#78
 Pyrene
 Concen: 3.592 ng
 RT: 12.833 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF128416.D
 Acq: 23 May 2022 23:08

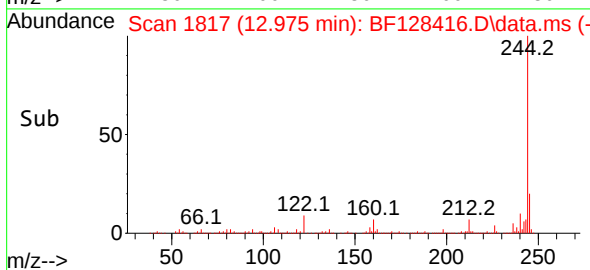
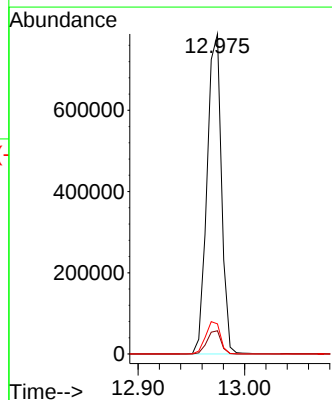
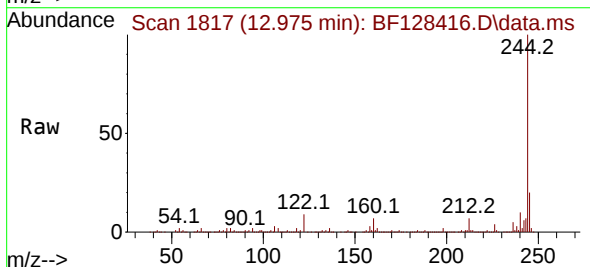
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-208

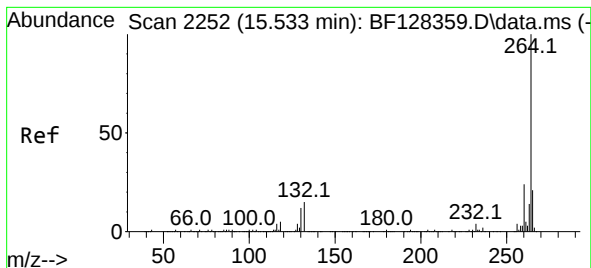
Tgt Ion:	202	Resp:	64761
Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.4	26.2
203	17.2	14.0	21.0



#79
 Terphenyl-d14
 Concen: 59.515 ng
 RT: 12.975 min Scan# 1817
 Delta R.T. -0.006 min
 Lab File: BF128416.D
 Acq: 23 May 2022 23:08

Tgt Ion:	244	Resp:	742377
Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.2	9.4
122	9.4	8.6	12.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF128416.D

Acq: 23 May 2022 23:08

Instrument :

BNA_F

ClientSampleId :

VNJ-208

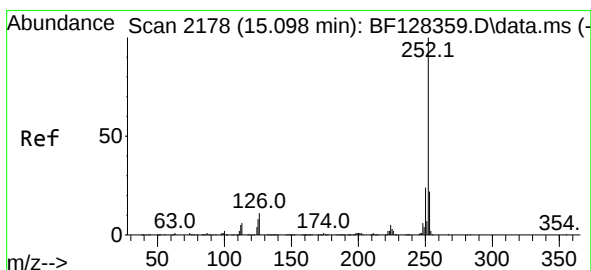
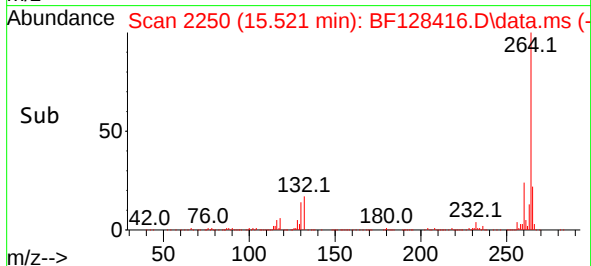
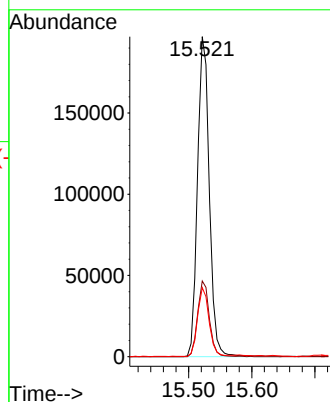
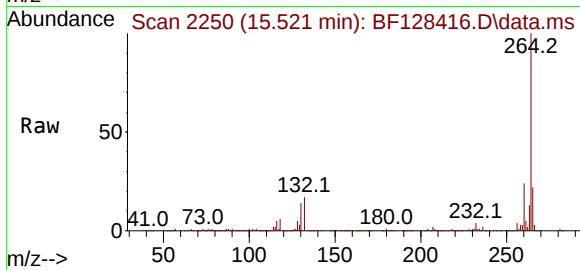
Tgt Ion:264 Resp: 254832

Ion Ratio Lower Upper

264 100

260 23.6 20.1 30.1

265 21.5 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 2.775 ng

RT: 15.092 min Scan# 2177

Delta R.T. -0.006 min

Lab File: BF128416.D

Acq: 23 May 2022 23:08

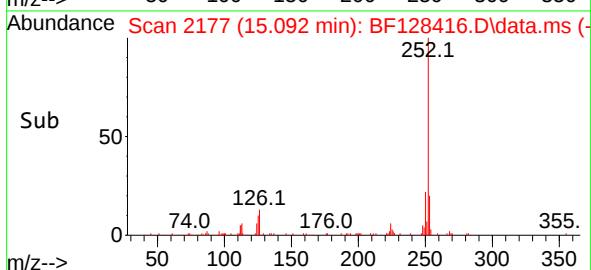
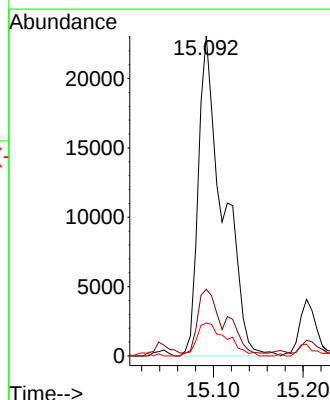
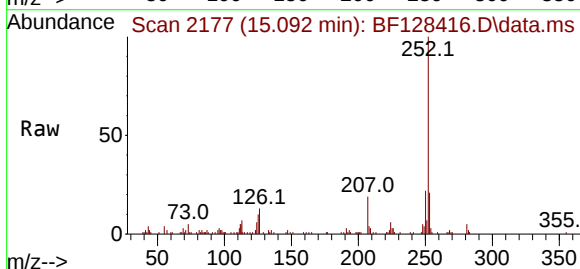
Tgt Ion:252 Resp: 43982

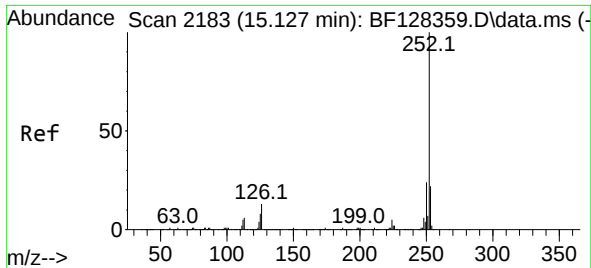
Ion Ratio Lower Upper

252 100

253 20.8 17.4 26.2

125 10.3 7.4 11.2

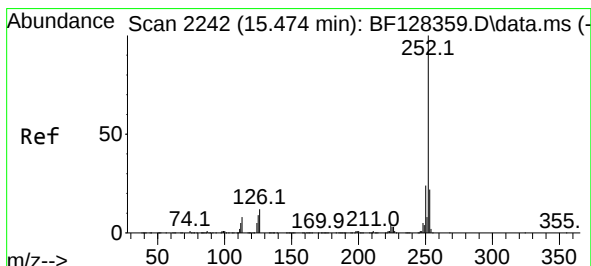
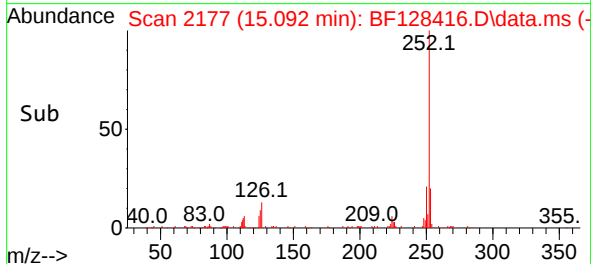
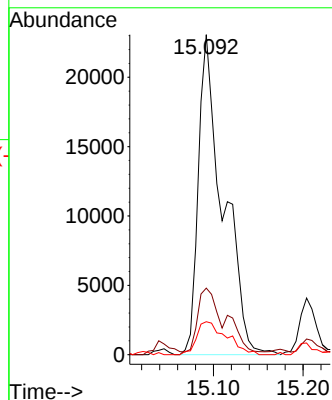
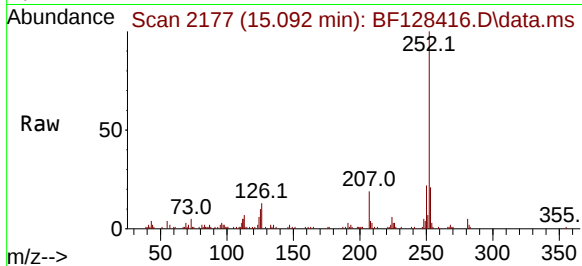




#89
Benzo(k)fluoranthene
Concen: 2.962 ng
RT: 15.092 min Scan# 2183
Delta R.T. -0.035 min
Lab File: BF128416.D
Acq: 23 May 2022 23:08

Instrument :
BNA_F
ClientSampleId :
VNJ-208

Tgt Ion:252 Resp: 43982
Ion Ratio Lower Upper
252 100
253 20.8 17.0 25.4
125 10.3 6.8 10.2#



#90
Benzo(a)pyrene
Concen: 2.030 ng
RT: 15.463 min Scan# 2240
Delta R.T. -0.012 min
Lab File: BF128416.D
Acq: 23 May 2022 23:08

Tgt Ion:252 Resp: 25837
Ion Ratio Lower Upper
252 100
253 24.7 17.8 26.6
125 10.3 9.2 13.8

