

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
 Data File : BF125995.D
 Acq On : 28 Oct 2021 18:29
 Operator : JU/CG
 Sample : M4336-04DL 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C3DL

Quant Time: Oct 29 10:41:47 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 28 12:01:54 2021
 Response via : Initial Calibration

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

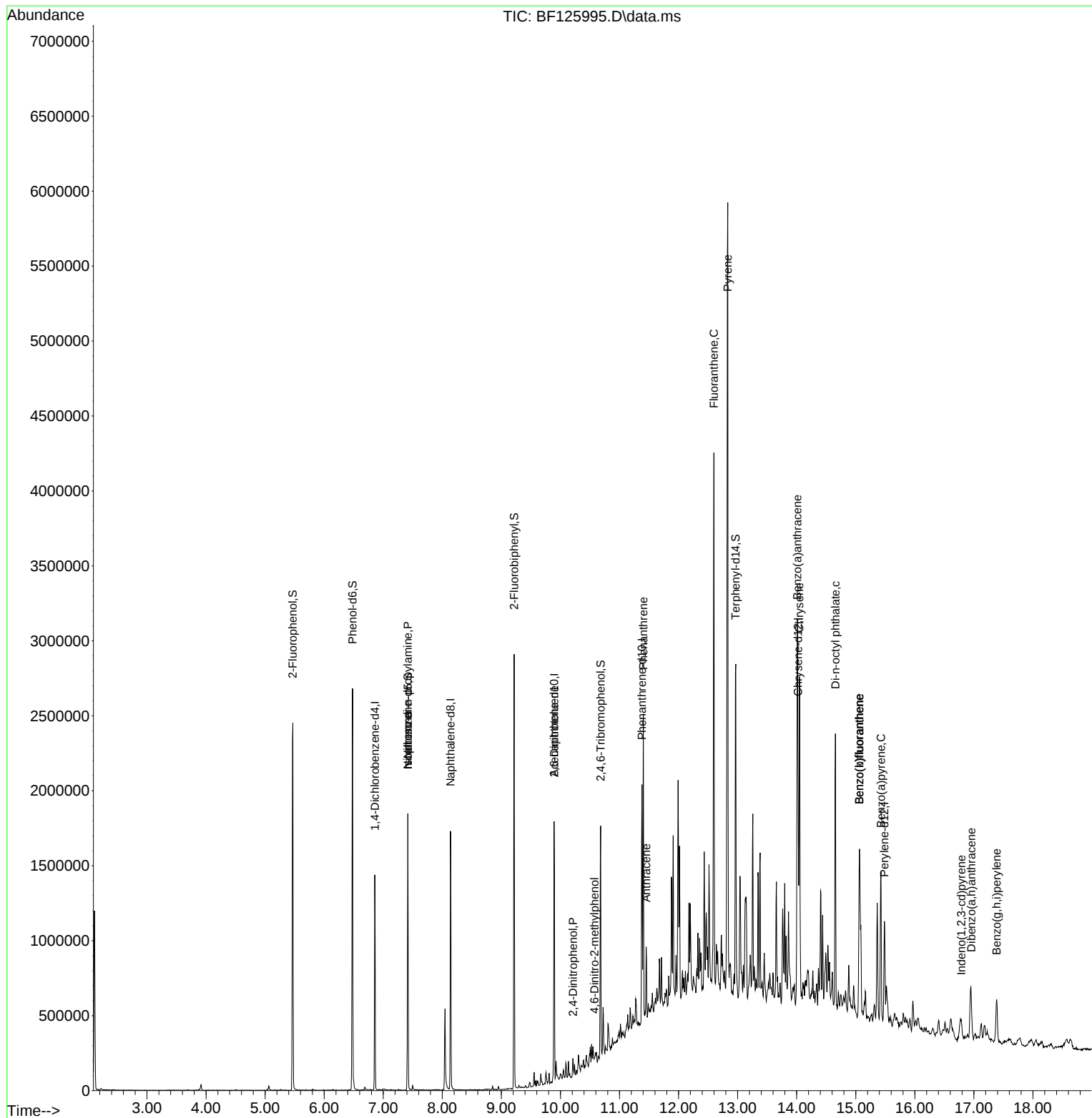
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	176785	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	678647	20.000	ng	# 0.00
39) Acenaphthene-d10	9.892	164	346634	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	584210	20.000	ng	0.00
76) Chrysene-d12	14.021	240	352176	20.000	ng	0.00
86) Perylene-d12	15.486	264	291358	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	615731	51.879	ng	0.00
7) Phenol-d6	6.481	99	778393	47.817	ng	0.00
23) Nitrobenzene-d5	7.416	82	480845	36.598	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	155938	51.605	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	804284	41.032	ng	0.00
79) Terphenyl-d14	12.968	244	760402	35.318	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	63534	6.831	ng	# 61
25) Isophorone	7.416	82	478880	19.140	ng	# 59
51) 2,6-Dinitrotoluene	9.892	165	45071	10.642	ng	# 29
54) 2,4-Dinitrophenol	10.216	184	143	7.195	ng	# 1
58) Fluorene	10.439	166	16585	Below Cal		# 88
65) 4,6-Dinitro-2-methylph...	10.574	198	135	6.111	ng	# 1
71) Phenanthrene	11.404	178	681984	22.497	ng	98
72) Anthracene	11.451	178	185430	6.127	ng	99
75) Fluoranthene	12.598	202	1386656	45.376	ng	98
78) Pyrene	12.833	202	2569277	78.394	ng	95
81) Benzo(a)anthracene	14.010	228	1010297	42.623	ng	98
83) Chrysene	14.045	228	898022	37.446	ng	96
85) Di-n-octyl phthalate	14.657	149	141282	7.896	ng	# 39
87) Indeno(1,2,3-cd)pyrene	16.786	276	56415	2.688	ng	96
88) Benzo(b)fluoranthene	15.062	252	872950	45.392	ng	98
89) Benzo(k)fluoranthene	15.062	252	872950	47.256	ng	# 97
90) Benzo(a)pyrene	15.427	252	502351	32.357	ng	97
91) Dibenzo(a,h)anthracene	16.956	278	79640	4.684	ng	95
92) Benzo(g,h,i)perylene	17.386	276	232767	13.102	ng	# 88

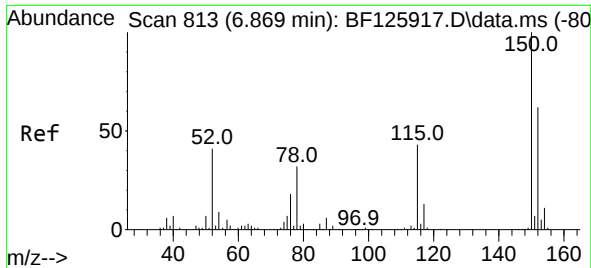
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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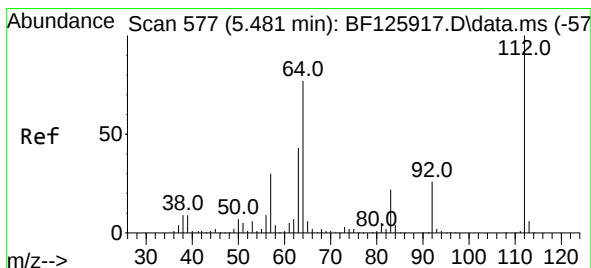
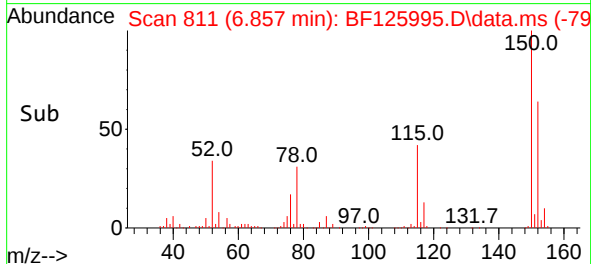
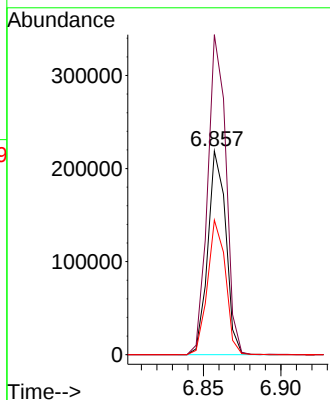
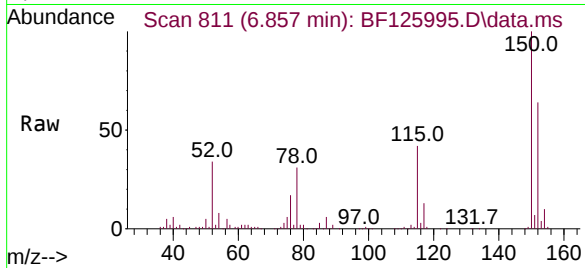




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF125995.D
Acq: 28 Oct 2021 18:29

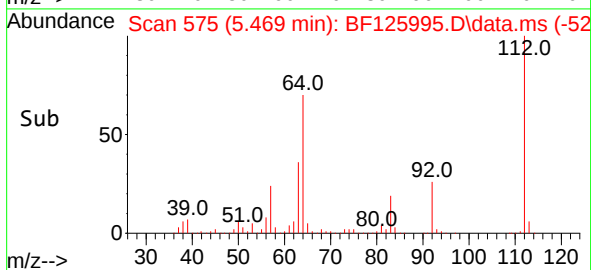
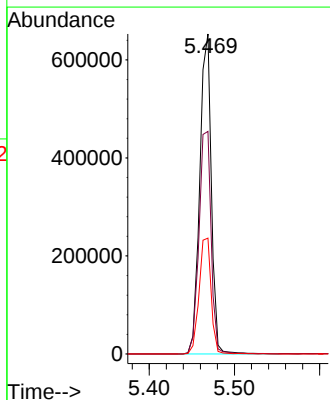
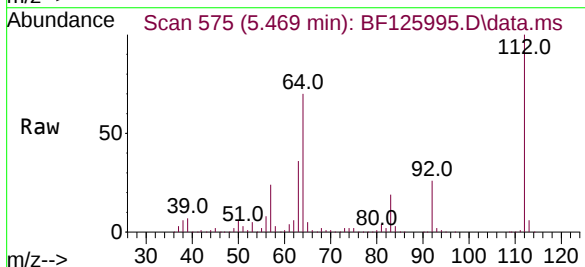
Instrument :
BNA_F
ClientSampleId :
C3DL

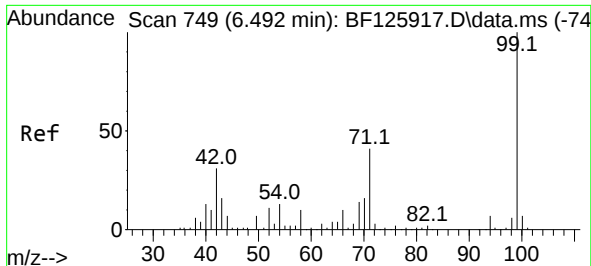
Tgt Ion:152 Resp: 176785
Ion Ratio Lower Upper
152 100
150 157.1 117.6 176.4
115 66.1 47.1 70.7



#5
2-Fluorophenol
Concen: 51.879 ng
RT: 5.469 min Scan# 575
Delta R.T. -0.006 min
Lab File: BF125995.D
Acq: 28 Oct 2021 18:29

Tgt Ion:112 Resp: 615731
Ion Ratio Lower Upper
112 100
64 69.5 44.2 66.2#
63 36.2 26.2 39.2

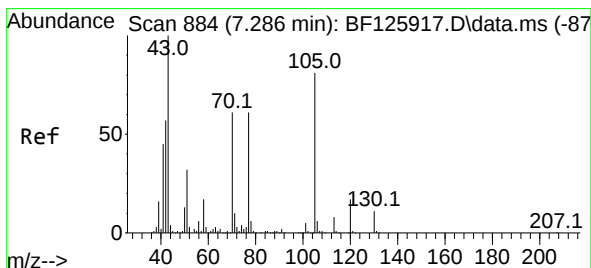
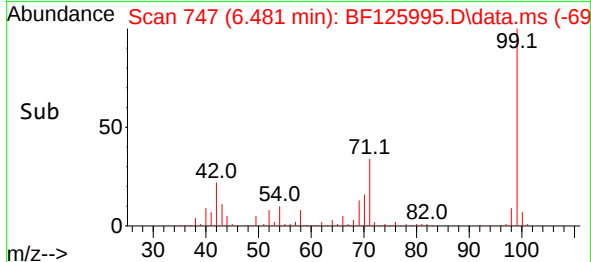
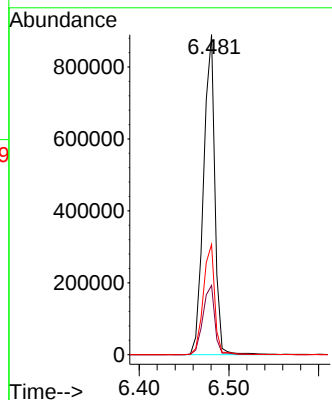
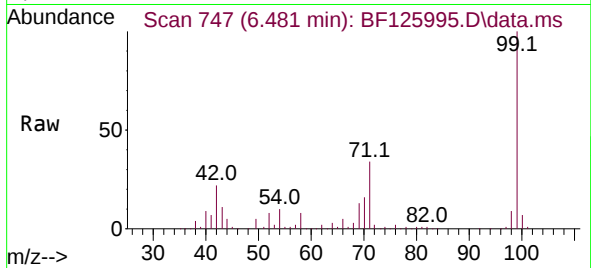




#7
Phenol-d6
Concen: 47.817 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF125995.D
Acq: 28 Oct 2021 18:29

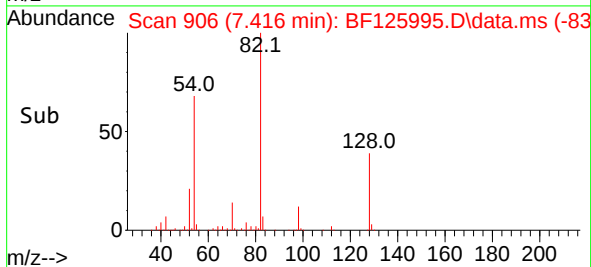
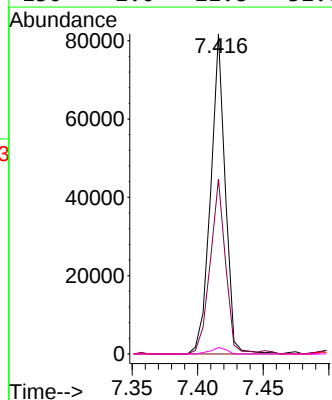
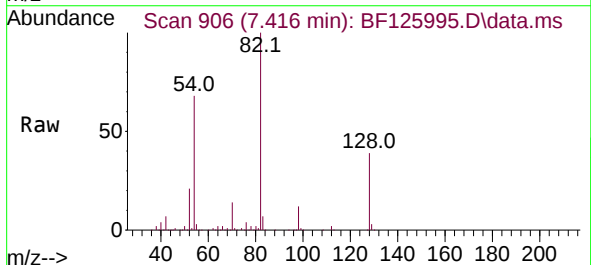
Instrument :
BNA_F
ClientSampled :
C3DL

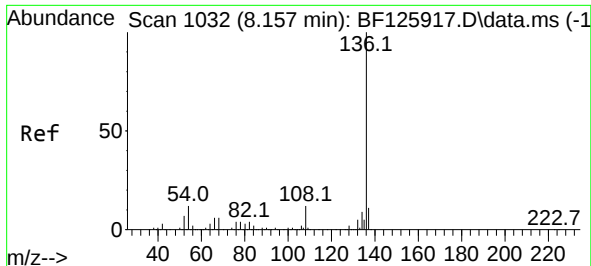
Tgt Ion: 99 Resp: 778393
Ion Ratio Lower Upper
99 100
42 21.6 23.5 35.3#
71 34.4 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 6.831 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.135 min
Lab File: BF125995.D
Acq: 28 Oct 2021 18:29

Tgt Ion: 70 Resp: 63534
Ion Ratio Lower Upper
70 100
42 54.7 72.2 108.2#
101 0.0 7.8 11.8#
130 2.0 21.8 32.6#

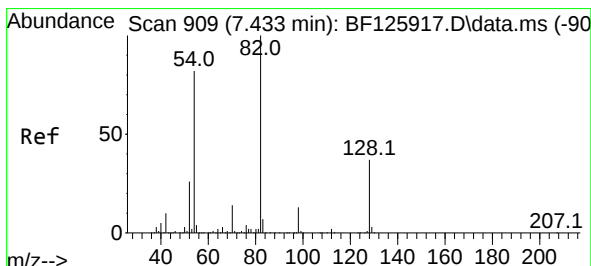
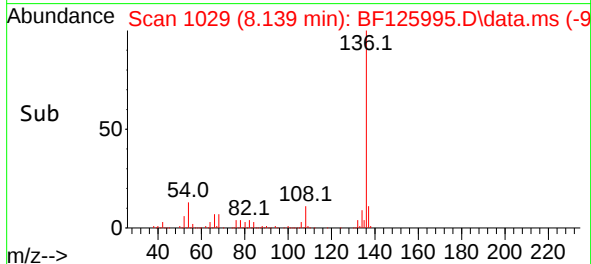
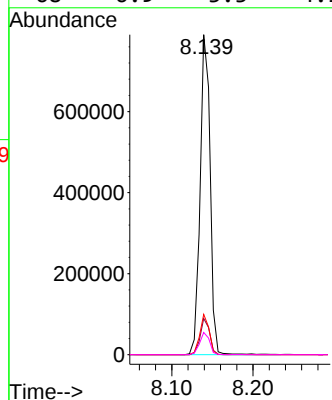
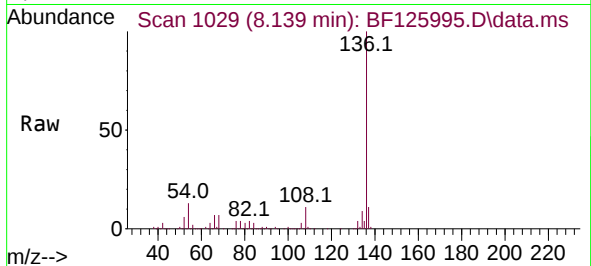




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF125995.D
Acq: 28 Oct 2021 18:29

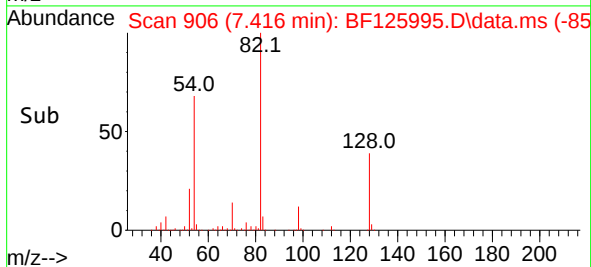
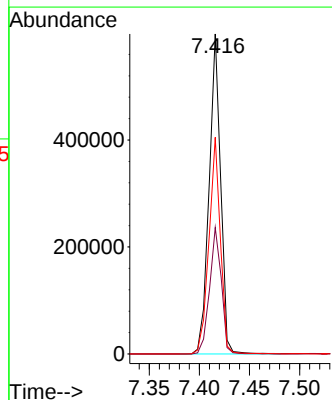
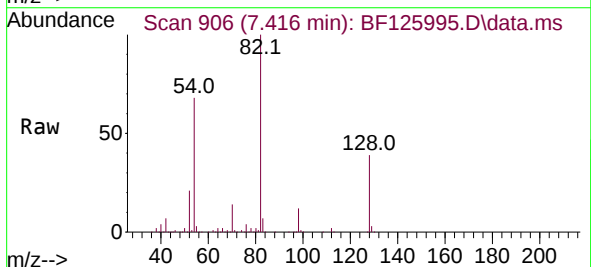
Instrument :
BNA_F
ClientSampleId :
C3DL

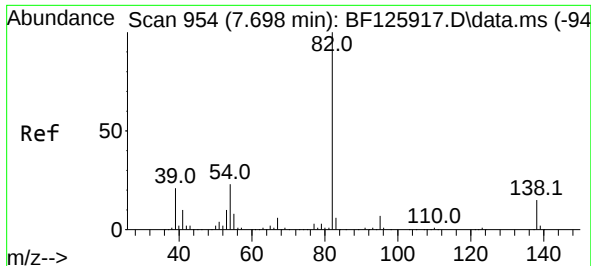
Tgt Ion:136	Resp: 678647
Ion Ratio	Lower Upper
136 100	
137 11.3	9.8 14.6
54 12.6	6.4 9.6#
68 6.9	3.3 4.9#



#23
Nitrobenzene-d5
Concen: 36.598 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF125995.D
Acq: 28 Oct 2021 18:29

Tgt Ion: 82	Resp: 480845
Ion Ratio	Lower Upper
82 100	
128 39.5	40.6 60.8#
54 67.7	49.6 74.4

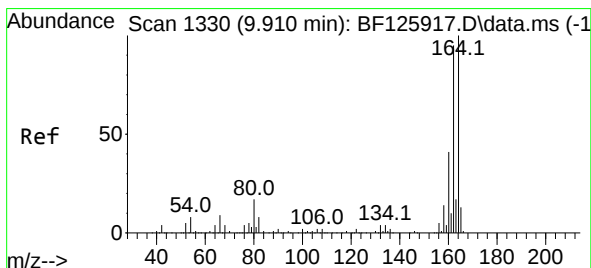
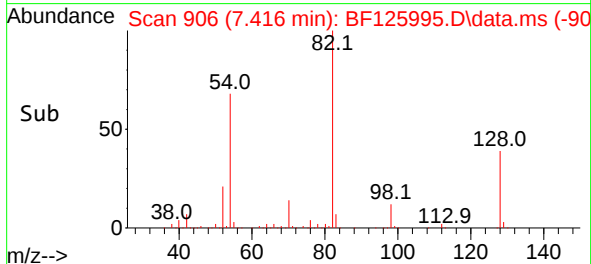
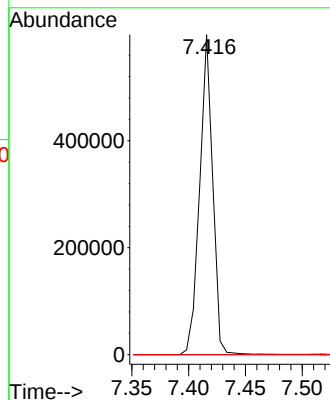
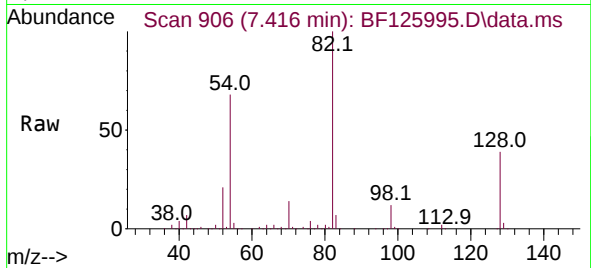




#25
Isophorone
Concen: 19.140 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.271 min
Lab File: BF125995.D
Acq: 28 Oct 2021 18:29

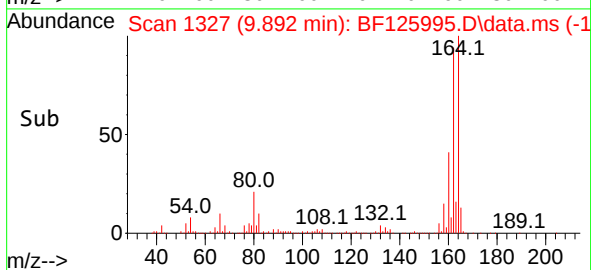
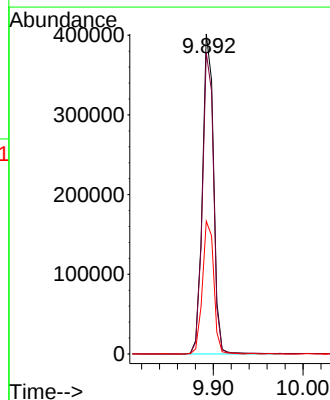
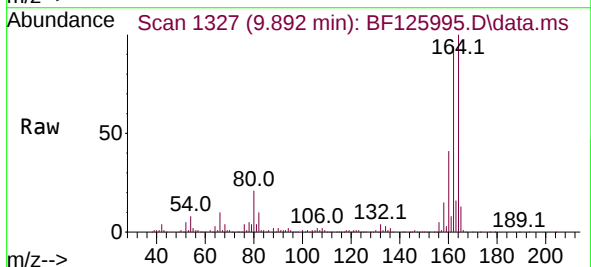
Instrument :
BNA_F
ClientSampleId :
C3DL

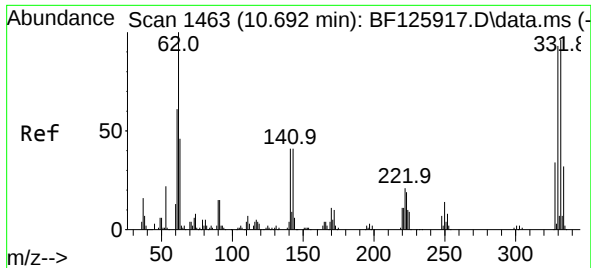
Tgt Ion: 82 Resp: 478880
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF125995.D
Acq: 28 Oct 2021 18:29

Tgt Ion:164 Resp: 346634
Ion Ratio Lower Upper
164 100
162 94.2 81.3 121.9
160 41.5 38.0 57.0

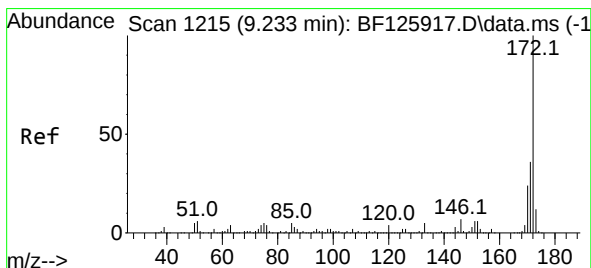
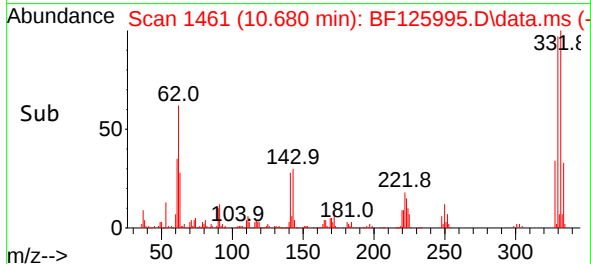
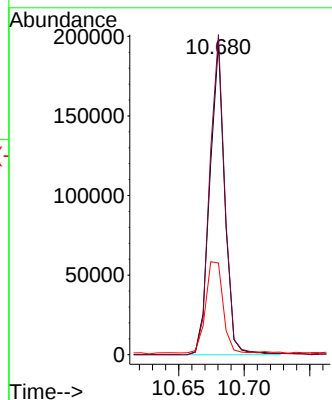
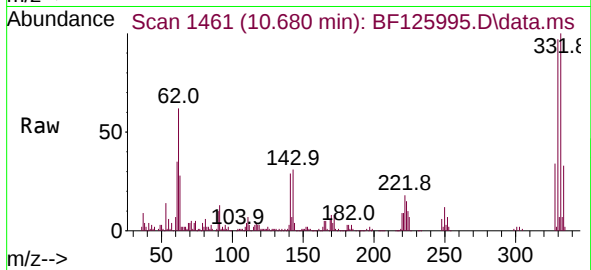




#42
2,4,6-Tribromophenol
Concen: 51.605 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF125995.D
Acq: 28 Oct 2021 18:29

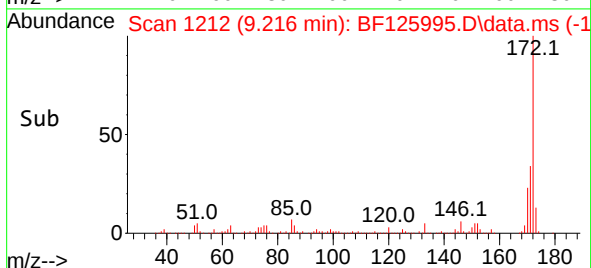
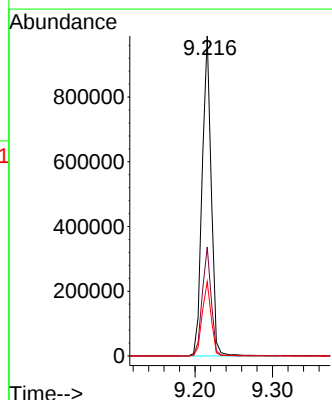
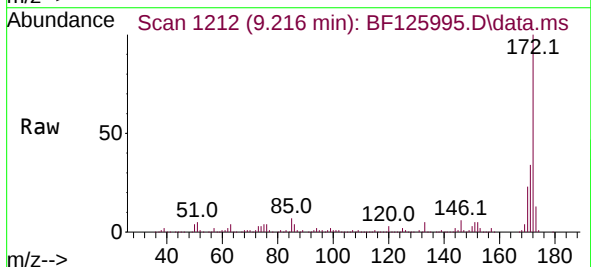
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ClientSampleId :
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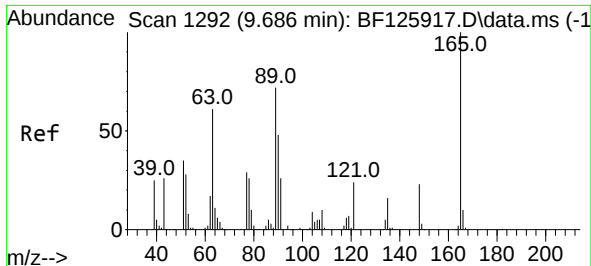
Tgt Ion: 330 Resp: 155938
Ion Ratio Lower Upper
330 100
332 103.6 76.2 114.4
141 33.8 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 41.032 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF125995.D
Acq: 28 Oct 2021 18:29

Tgt Ion: 172 Resp: 804284
Ion Ratio Lower Upper
172 100
171 34.0 26.5 39.7
170 23.2 18.8 28.2

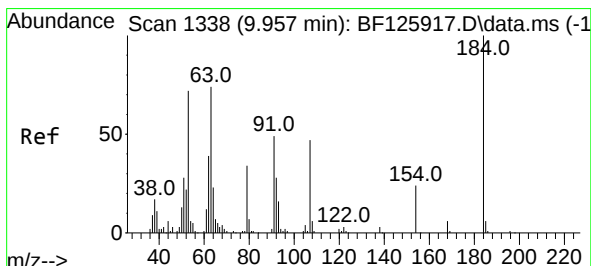
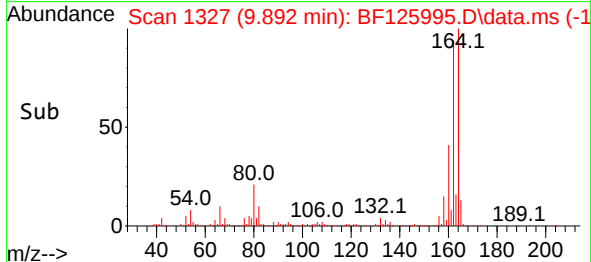
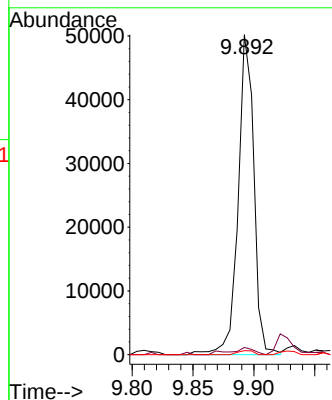
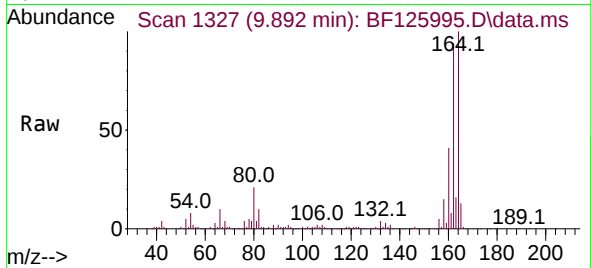




#51
2,6-Dinitrotoluene
Concen: 10.642 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.212 min
Lab File: BF125995.D
Acq: 28 Oct 2021 18:29

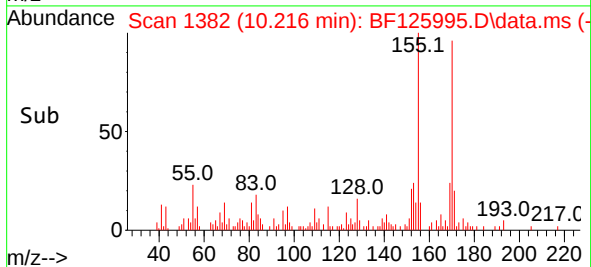
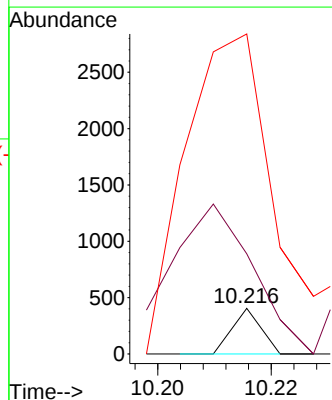
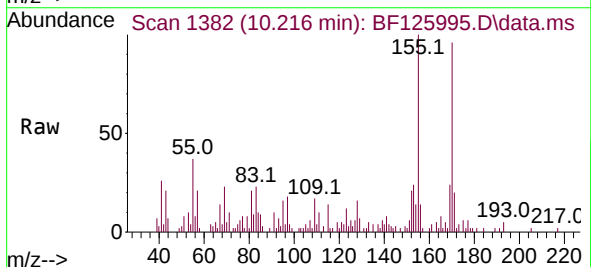
Instrument :
BNA_F
ClientSampled :
C3DL

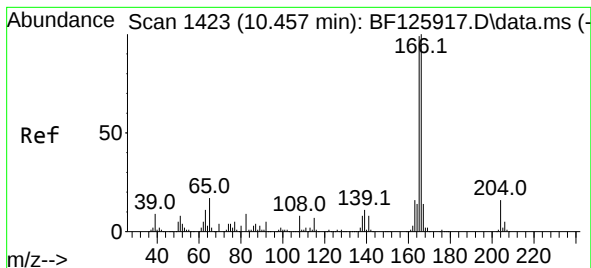
Tgt Ion:165 Resp: 45071
Ion Ratio Lower Upper
165 100
63 2.3 42.6 63.8#
89 1.3 40.6 60.8#



#54
2,4-Dinitrophenol
Concen: 7.195 ng
RT: 10.216 min Scan# 1382
Delta R.T. 0.265 min
Lab File: BF125995.D
Acq: 28 Oct 2021 18:29

Tgt Ion:184 Resp: 143
Ion Ratio Lower Upper
184 100
63 219.5 59.3 88.9#
154 701.2 68.6 102.8#

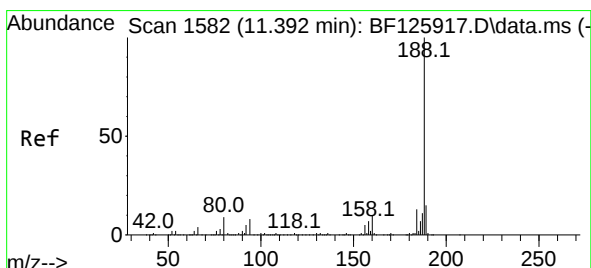
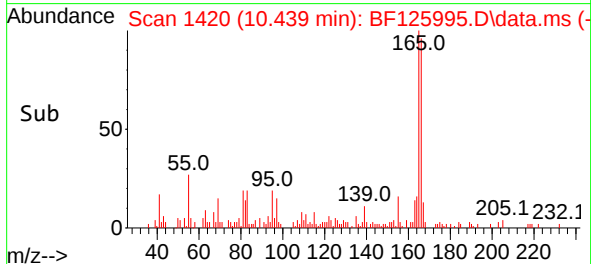
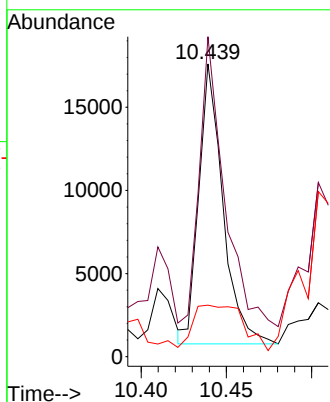
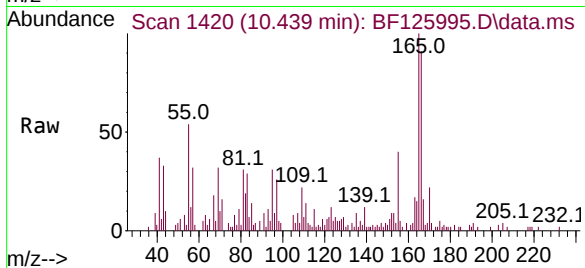




#58
Fluorene
Concen: Below Cal
RT: 10.439 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF125995.D
Acq: 28 Oct 2021 18:29

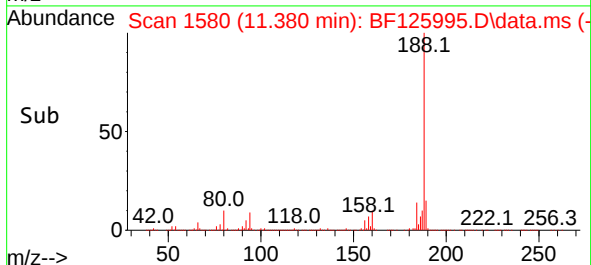
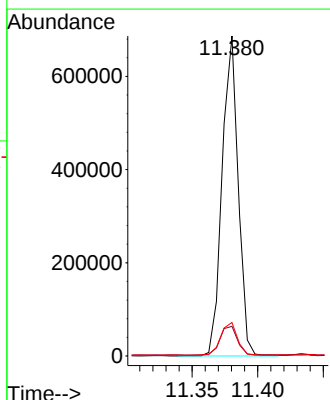
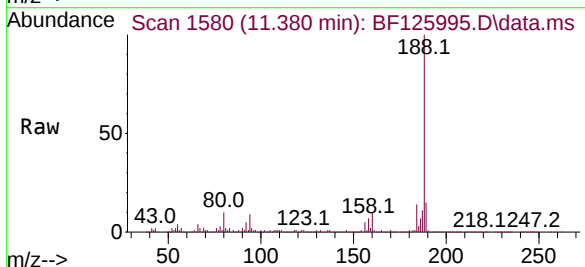
Instrument :
BNA_F
ClientSampleId :
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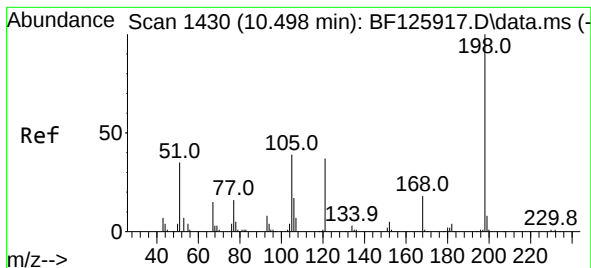
Tgt Ion:166 Resp: 16585
Ion Ratio Lower Upper
166 100
165 109.3 78.1 117.1
167 17.6 11.1 16.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF125995.D
Acq: 28 Oct 2021 18:29

Tgt Ion:188 Resp: 584210
Ion Ratio Lower Upper
188 100
94 9.3 6.7 10.1
80 10.5 7.5 11.3

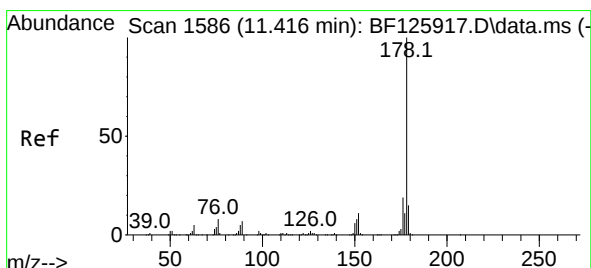
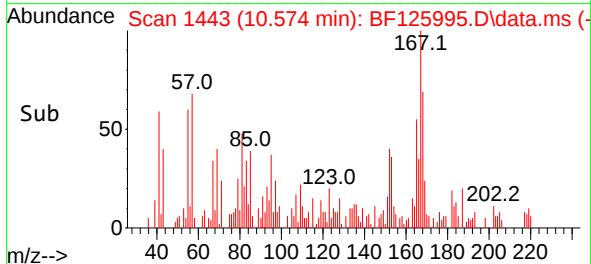
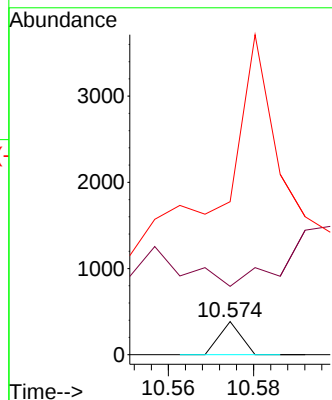
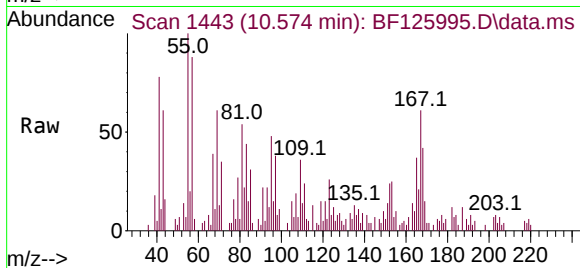




#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.111 ng
 RT: 10.574 min Scan# 1443
 Delta R.T. 0.088 min
 Lab File: BF125995.D
 Acq: 28 Oct 2021 18:29

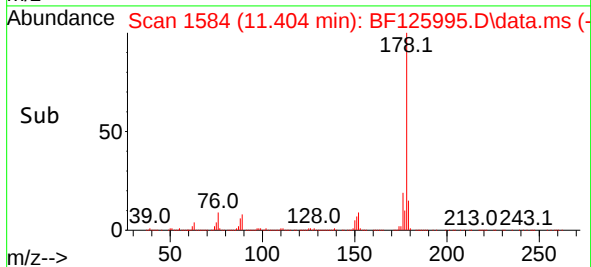
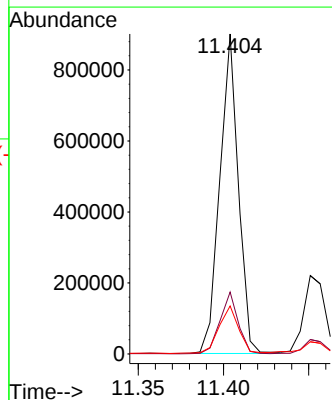
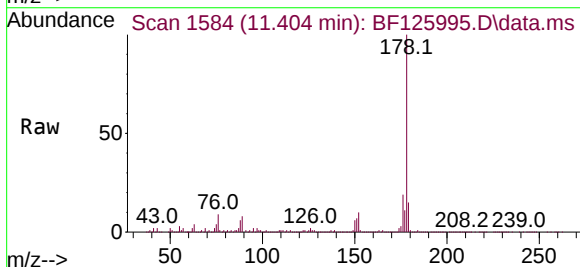
Instrument :
 BNA_F
 ClientSampled :
 C3DL

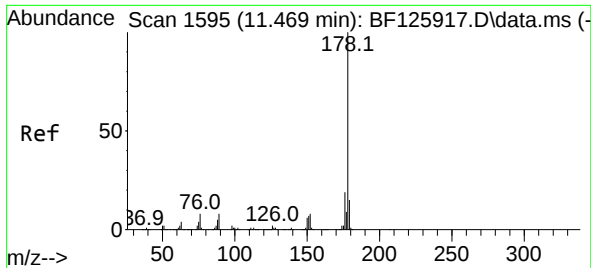
Tgt Ion:198 Resp: 135
 Ion Ratio Lower Upper
 198 100
 51 206.5 45.3 85.3#
 105 462.2 30.6 70.6#



#71
 Phenanthrene
 Concen: 22.497 ng
 RT: 11.404 min Scan# 1584
 Delta R.T. -0.006 min
 Lab File: BF125995.D
 Acq: 28 Oct 2021 18:29

Tgt Ion:178 Resp: 681984
 Ion Ratio Lower Upper
 178 100
 176 19.4 14.7 22.1
 179 15.0 11.5 17.3

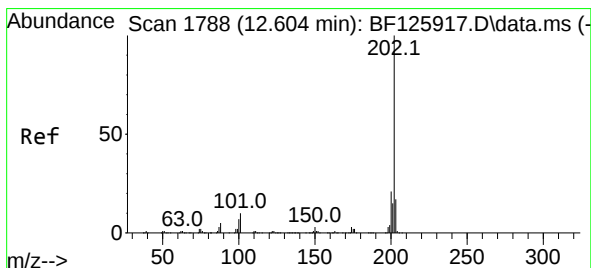
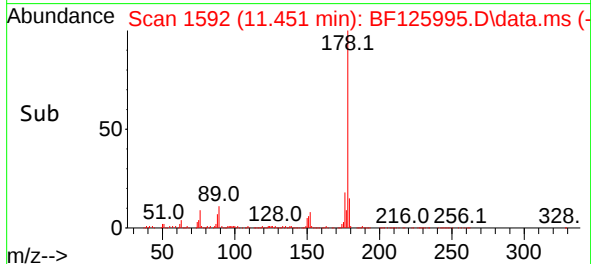
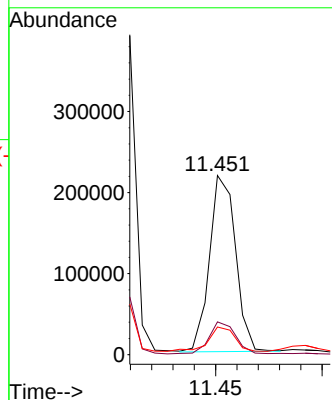
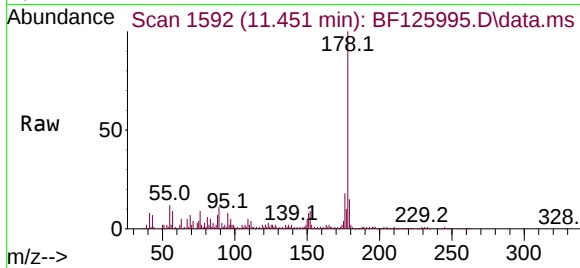




#72
 Anthracene
 Concen: 6.127 ng
 RT: 11.451 min Scan# 1592
 Delta R.T. -0.006 min
 Lab File: BF125995.D
 Acq: 28 Oct 2021 18:29

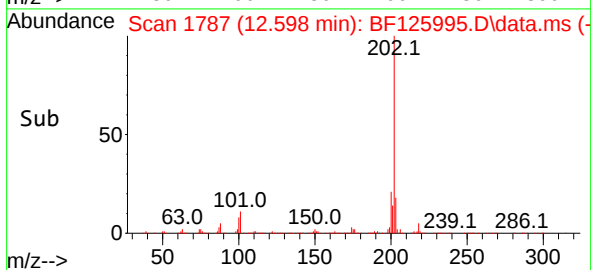
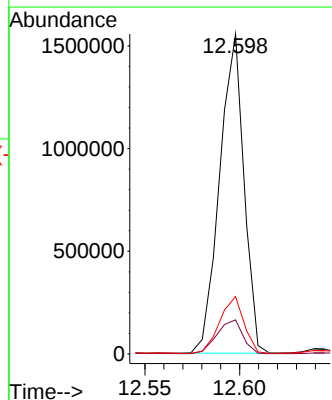
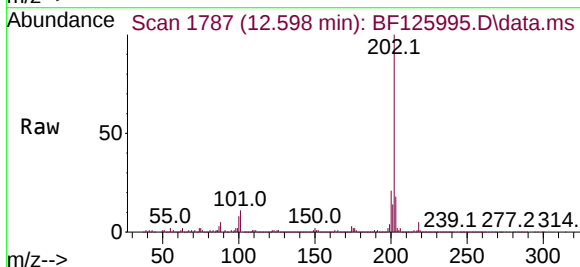
Instrument :
 BNA_F
 ClientSampleId :
 C3DL

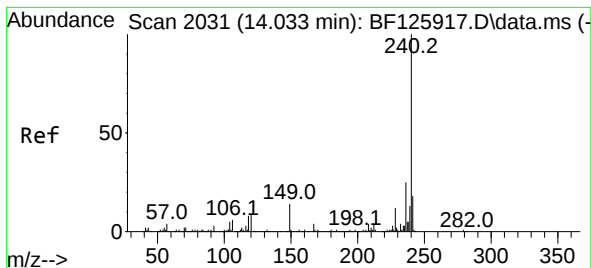
Tgt Ion:178 Resp: 185430
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.3 21.5
 179 15.4 12.2 18.4



#75
 Fluoranthene
 Concen: 45.376 ng
 RT: 12.598 min Scan# 1787
 Delta R.T. 0.006 min
 Lab File: BF125995.D
 Acq: 28 Oct 2021 18:29

Tgt Ion:202 Resp: 1386656
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 30.7
 203 17.9 0.0 36.3

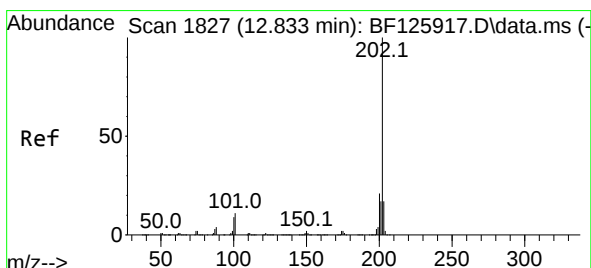
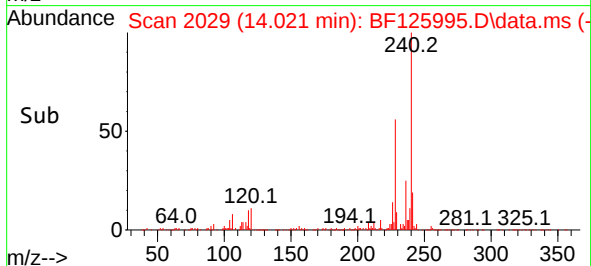
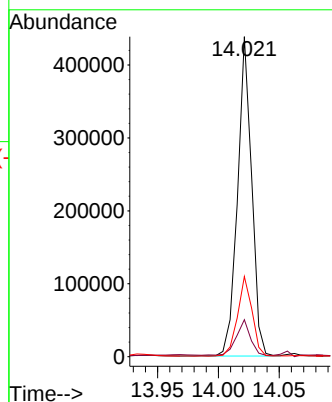
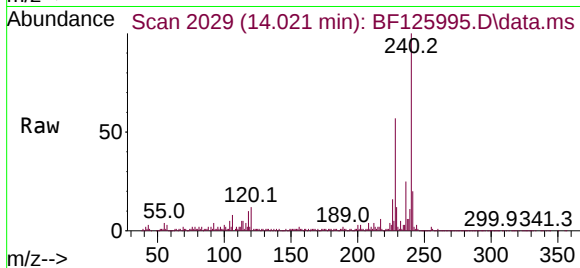




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BF125995.D
Acq: 28 Oct 2021 18:29

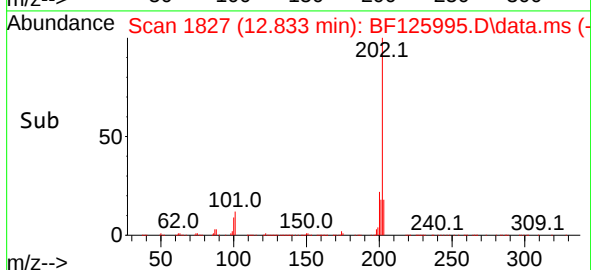
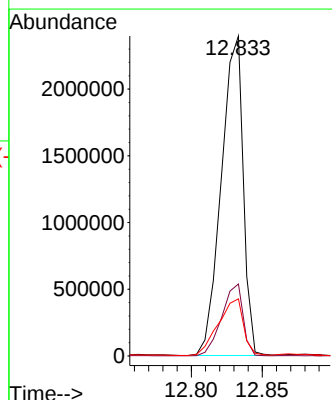
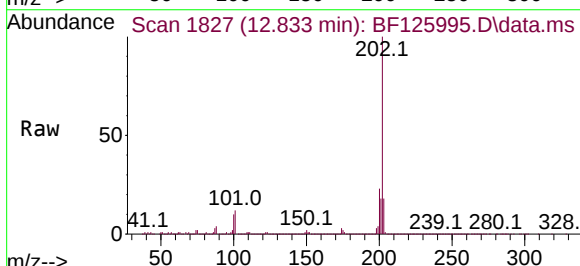
Instrument :
BNA_F
ClientSampleId :
C3DL

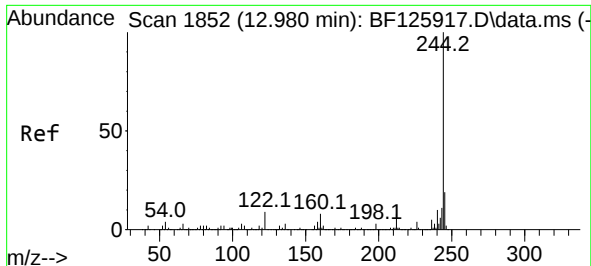
Tgt Ion:240 Resp: 352176
Ion Ratio Lower Upper
240 100
120 11.5 10.8 16.2
236 25.1 21.6 32.4



#78
Pyrene
Concen: 78.394 ng
RT: 12.833 min Scan# 1827
Delta R.T. 0.012 min
Lab File: BF125995.D
Acq: 28 Oct 2021 18:29

Tgt Ion:202 Resp: 2569277
Ion Ratio Lower Upper
202 100
200 22.5 15.3 22.9
203 17.8 13.4 20.0

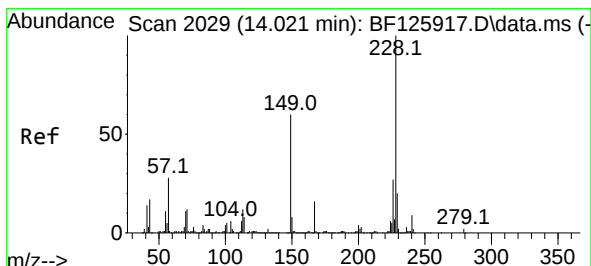
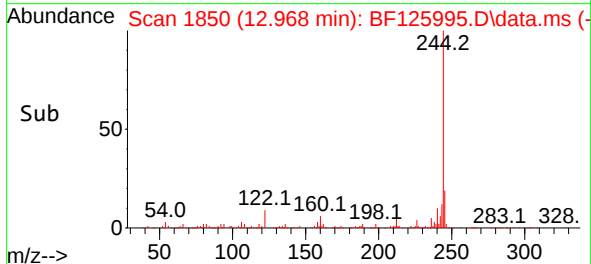
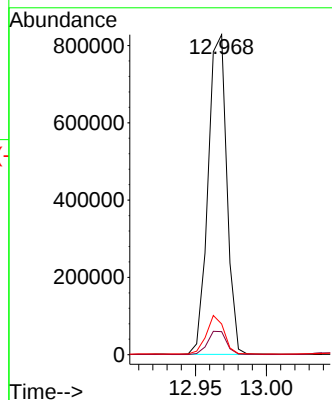
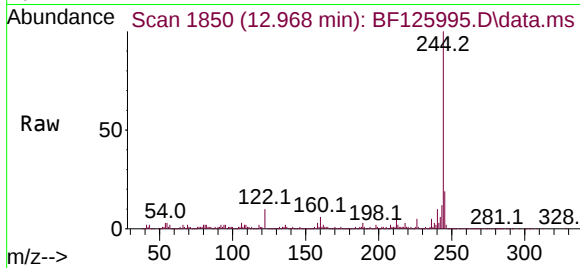




#79
 Terphenyl-d14
 Concen: 35.318 ng
 RT: 12.968 min Scan# 1850
 Delta R.T. -0.000 min
 Lab File: BF125995.D
 Acq: 28 Oct 2021 18:29

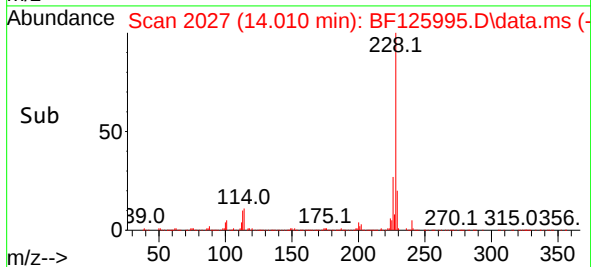
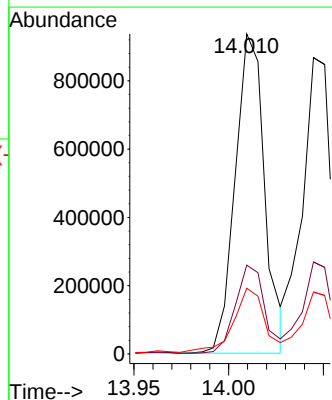
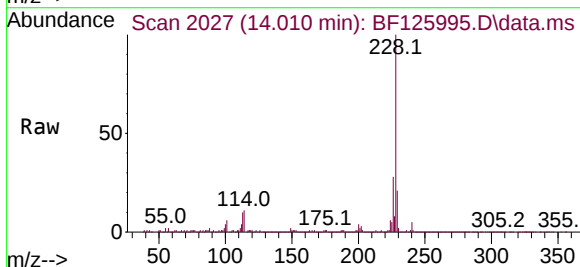
Instrument :
 BNA_F
 ClientSampleId :
 C3DL

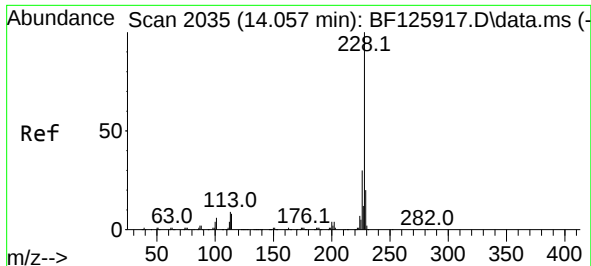
Tgt Ion:244 Resp: 760402
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.9 8.9
 122 9.6 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 42.623 ng
 RT: 14.010 min Scan# 2027
 Delta R.T. -0.000 min
 Lab File: BF125995.D
 Acq: 28 Oct 2021 18:29

Tgt Ion:228 Resp: 1010297
 Ion Ratio Lower Upper
 228 100
 226 27.7 21.6 32.4
 229 20.6 15.6 23.4

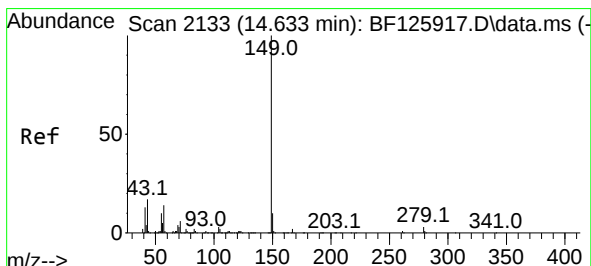
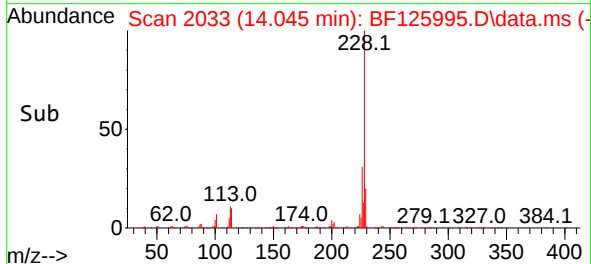
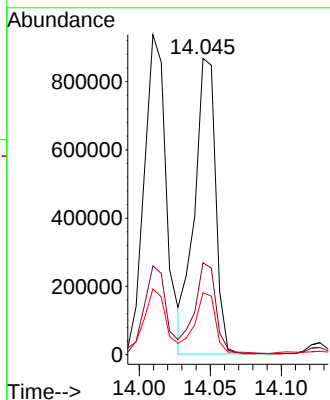
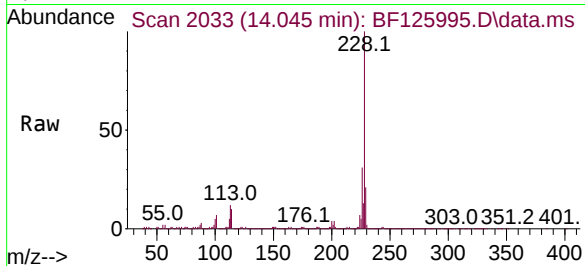




#83
Chrysene
Concen: 37.446 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF125995.D
Acq: 28 Oct 2021 18:29

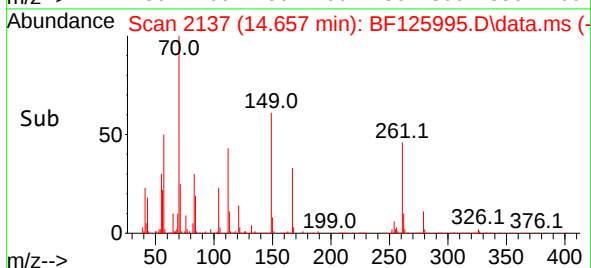
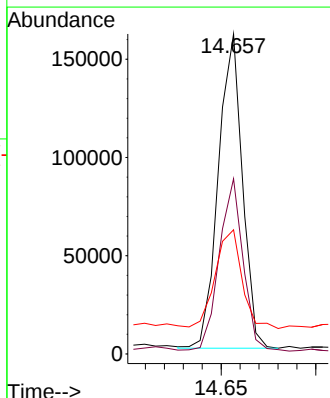
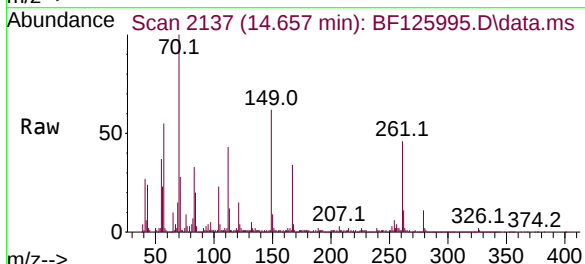
Instrument :
BNA_F
ClientSampleId :
C3DL

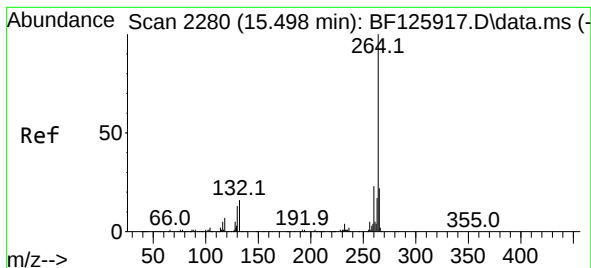
Tgt Ion:228 Resp: 898022
Ion Ratio Lower Upper
228 100
226 31.0 22.6 34.0
229 20.9 15.9 23.9



#85
Di-n-octyl phthalate
Concen: 7.896 ng
RT: 14.657 min Scan# 2137
Delta R.T. 0.041 min
Lab File: BF125995.D
Acq: 28 Oct 2021 18:29

Tgt Ion:149 Resp: 141282
Ion Ratio Lower Upper
149 100
167 54.6 1.0 1.6#
43 33.3 9.9 14.9#

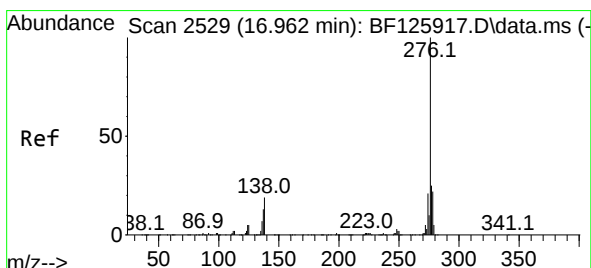
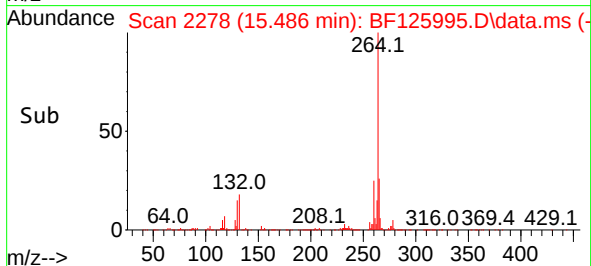
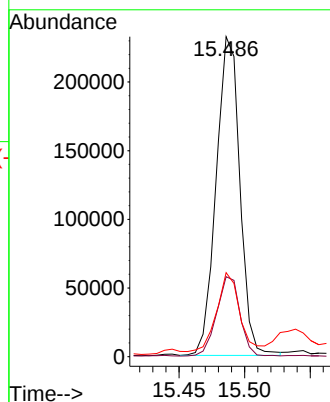
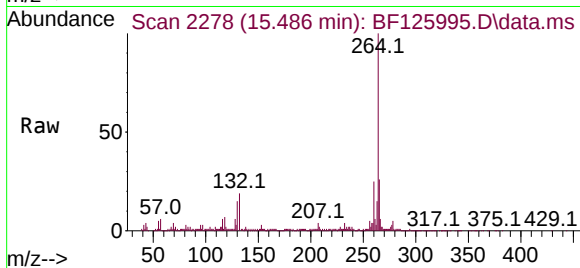




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.486 min Scan# 2278
Delta R.T. 0.006 min
Lab File: BF125995.D
Acq: 28 Oct 2021 18:29

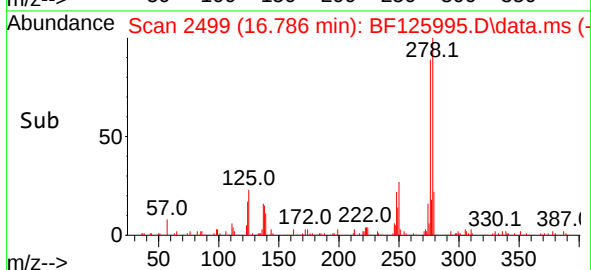
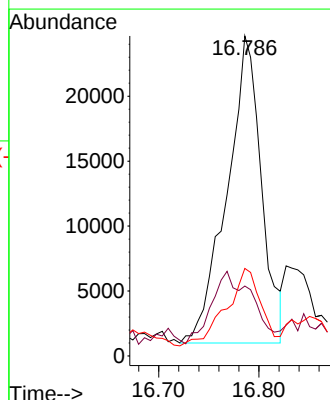
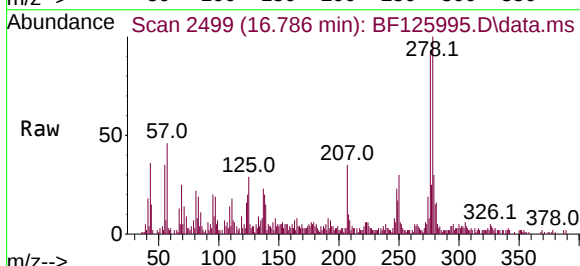
Instrument :
BNA_F
ClientSampled :
C3DL

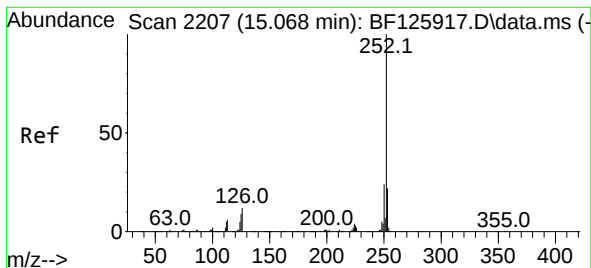
Tgt Ion:264	Resp:	291358
Ion Ratio	Lower	Upper
264	100	
260	25.0	19.6 29.4
265	26.3	17.2 25.8#



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.688 ng
RT: 16.786 min Scan# 2499
Delta R.T. -0.159 min
Lab File: BF125995.D
Acq: 28 Oct 2021 18:29

Tgt Ion:276	Resp:	56415
Ion Ratio	Lower	Upper
276	100	
138	27.6	24.1 36.1
277	25.1	18.8 28.2





#88

Benzo(b)fluoranthene

Concen: 45.392 ng

RT: 15.062 min Scan# 2206

Delta R.T. 0.006 min

Lab File: BF125995.D

Acq: 28 Oct 2021 18:29

Tgt Ion:252 Resp: 872950

Ion Ratio Lower Upper

252 100

253 21.6 16.8 25.2

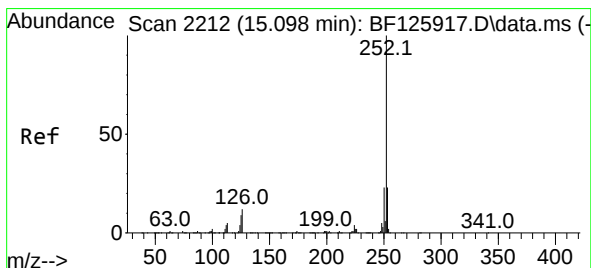
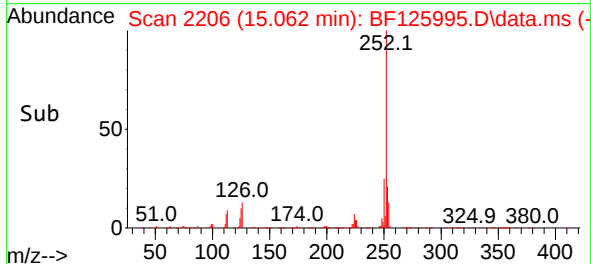
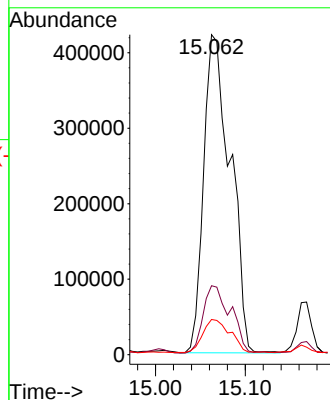
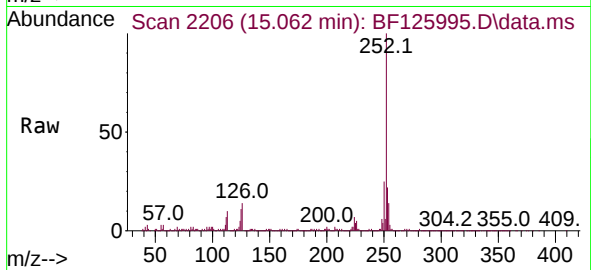
125 11.0 9.8 14.8

Instrument :

BNA_F

ClientSampleId :

C3DL



#89

Benzo(k)fluoranthene

Concen: 47.256 ng

RT: 15.062 min Scan# 2206

Delta R.T. -0.024 min

Lab File: BF125995.D

Acq: 28 Oct 2021 18:29

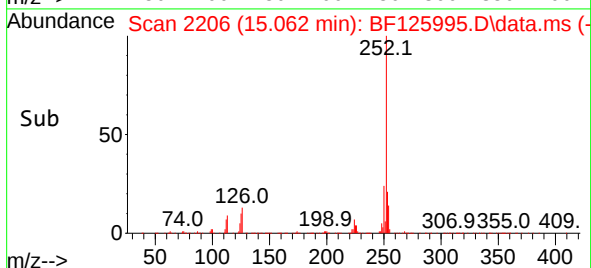
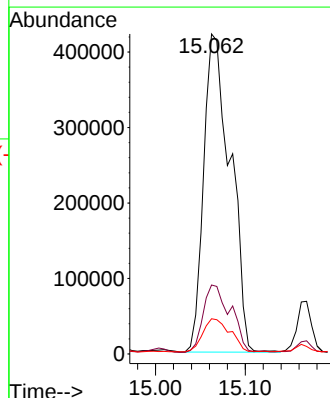
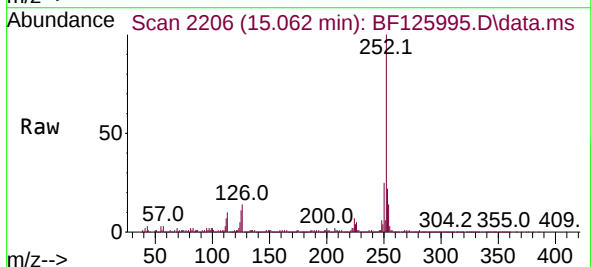
Tgt Ion:252 Resp: 872950

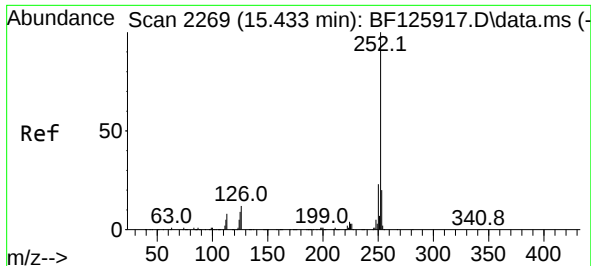
Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.8

125 11.0 7.2 10.8#

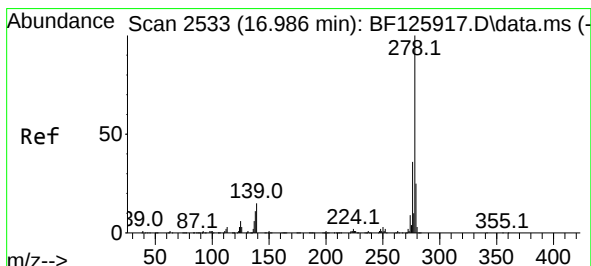
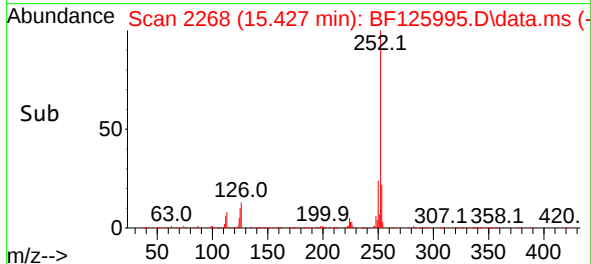
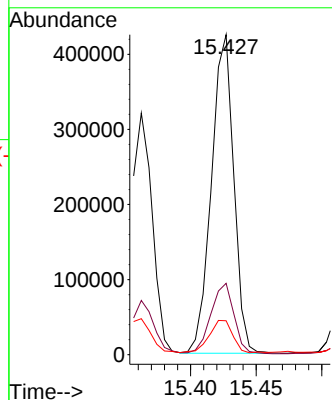
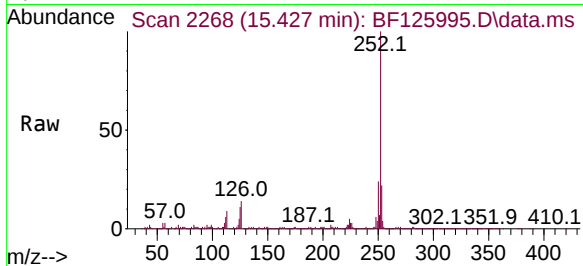




#90
Benzo(a)pyrene
Concen: 32.357 ng
RT: 15.427 min Scan# 2268
Delta R.T. 0.006 min
Lab File: BF125995.D
Acq: 28 Oct 2021 18:29

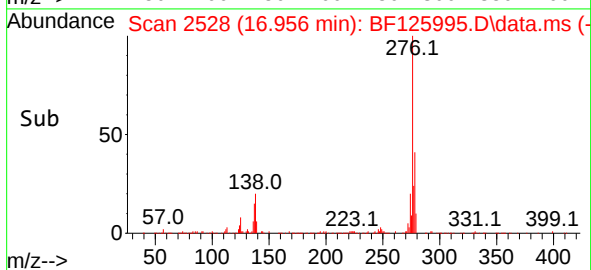
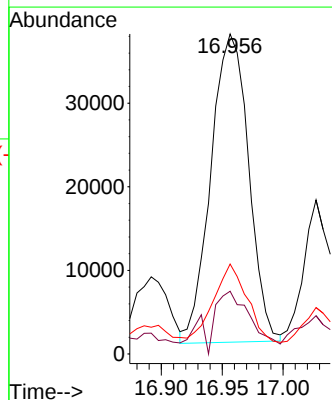
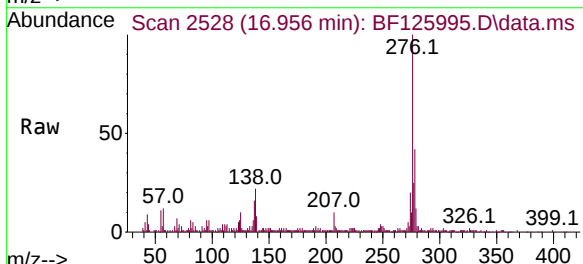
Instrument :
BNA_F
ClientSampleId :
C3DL

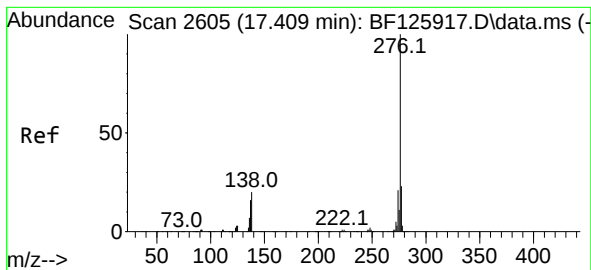
Tgt Ion:252 Resp: 502351
Ion Ratio Lower Upper
252 100
253 22.3 18.4 27.6
125 10.6 9.9 14.9



#91
Dibenzo(a,h)anthracene
Concen: 4.684 ng
RT: 16.956 min Scan# 2528
Delta R.T. -0.006 min
Lab File: BF125995.D
Acq: 28 Oct 2021 18:29

Tgt Ion:278 Resp: 79640
Ion Ratio Lower Upper
278 100
139 19.6 14.9 22.3
279 28.1 19.7 29.5





#92
Benzo(g,h,i)perylene
Concen: 13.102 ng
RT: 17.386 min Scan# 2601
Delta R.T. -0.000 min
Lab File: BF125995.D
Acq: 28 Oct 2021 18:29

Instrument :
BNA_F
ClientSampleId :
C3DL

Tgt Ion:276 Resp: 232767
Ion Ratio Lower Upper
276 100
277 22.4 22.0 33.0
138 20.5 22.2 33.4#

