

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102621\
 Data File : BF125953.D
 Acq On : 27 Oct 2021 1:27
 Operator : JU/CG
 Sample : M4324-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-02-007-A

Quant Time: Oct 27 09:05:30 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 25 18:49:16 2021
 Response via : Initial Calibration

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

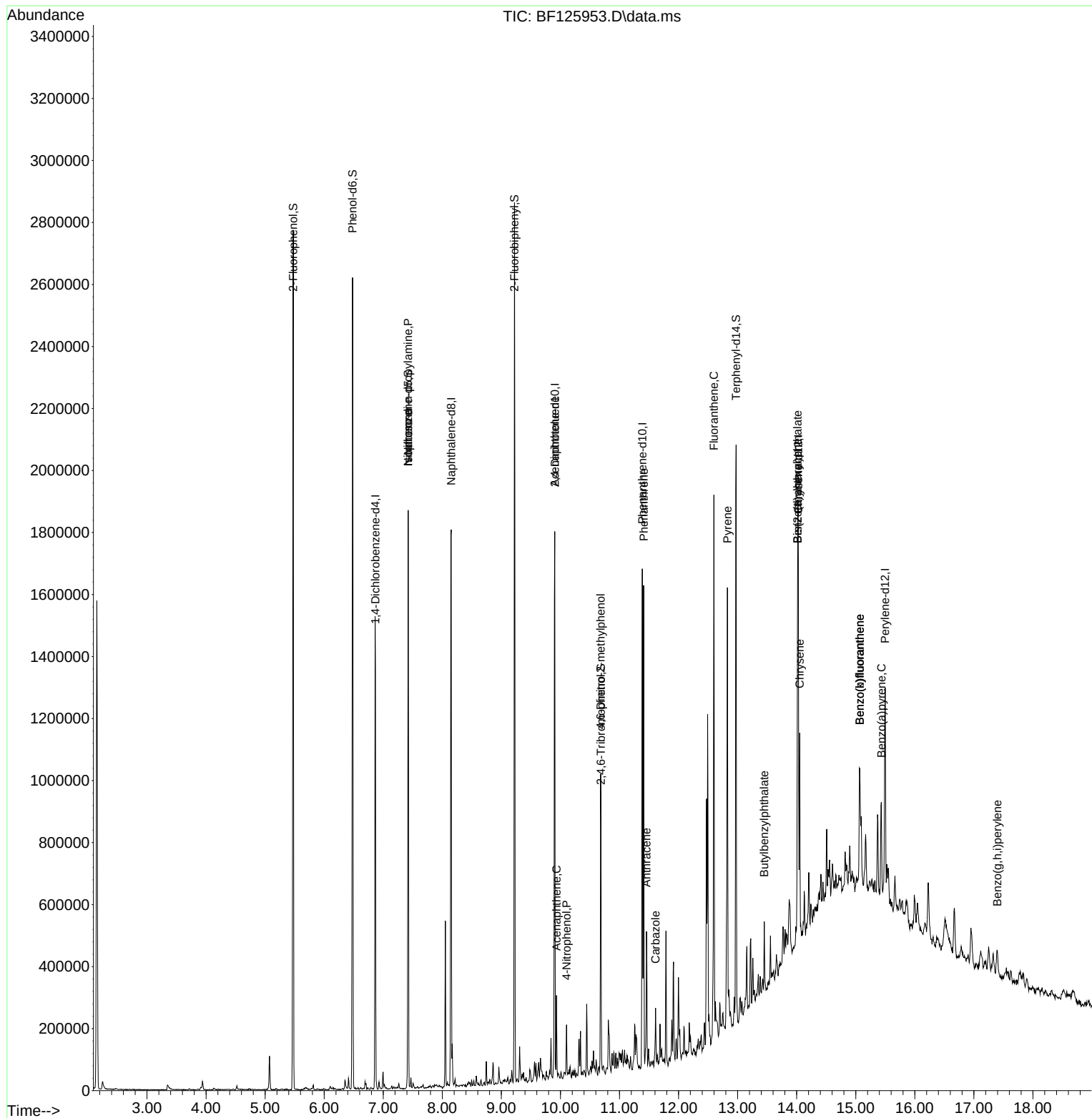
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	197877	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	759592	20.000	ng	# 0.00
39) Acenaphthene-d10	9.904	164	366531	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	532098	20.000	ng	0.00
76) Chrysene-d12	14.027	240	392095	20.000	ng	# 0.00
86) Perylene-d12	15.498	264	295369	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	589617	44.384	ng	0.00
7) Phenol-d6	6.481	99	754009	41.382	ng	-0.01
23) Nitrobenzene-d5	7.422	82	480137	32.650	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	84004	26.291	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	773546	37.322	ng	-0.01
79) Terphenyl-d14	12.974	244	596394	24.880	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	64843	6.229	ng	# 65
25) Isophorone	7.422	82	476315	17.008	ng	# 59
52) Acenaphthene	9.933	154	47965	2.414	ng	95
56) 4-Nitrophenol	10.104	139	15792	3.959	ng	# 14
57) 2,4-Dinitrotoluene	9.904	165	48442	8.807	ng	# 20
58) Fluorene	10.445	166	52729	Below Cal		96
65) 4,6-Dinitro-2-methylph...	10.680	198	181	6.133	ng	# 1
71) Phenanthrene	11.410	178	514005	18.617	ng	99
72) Anthracene	11.457	178	149200	5.412	ng	98
73) Carbazole	11.610	167	63284	2.415	ng	98
75) Fluoranthene	12.598	202	626410	22.506	ng	97
78) Pyrene	12.827	202	547830	15.014	ng	96
80) Butylbenzylphthalate	13.451	149	39916	3.363	ng	87
81) Benzo(a)anthracene	14.016	228	260034	9.854	ng	100
83) Chrysene	14.051	228	248228	9.297	ng	98
84) Bis(2-ethylhexyl)phtha...	14.016	149	26428	2.055	ng	# 96
88) Benzo(b)fluoranthene	15.068	252	311698	15.988	ng	94
89) Benzo(k)fluoranthene	15.068	252	311698	16.644	ng	# 93
90) Benzo(a)pyrene	15.433	252	161626	10.269	ng	100
92) Benzo(g,h,i)perylene	17.398	276	80677	4.479	ng	# 88

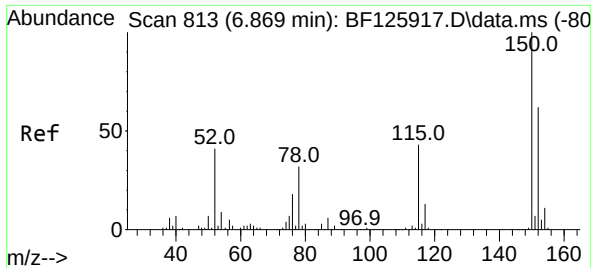
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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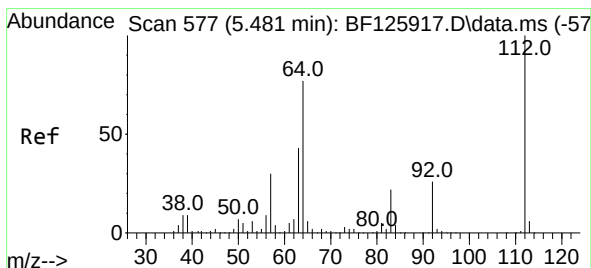
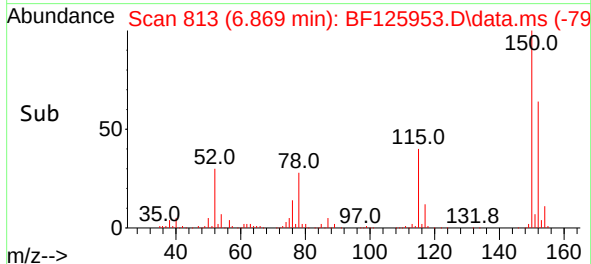
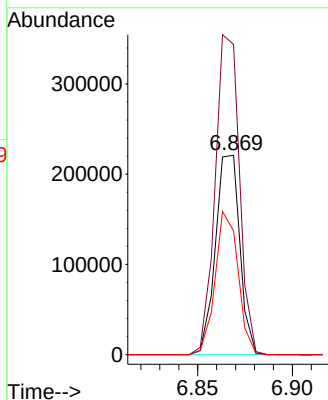
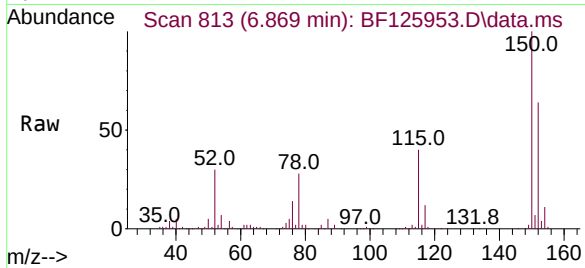




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF125953.D
Acq: 27 Oct 2021 1:27

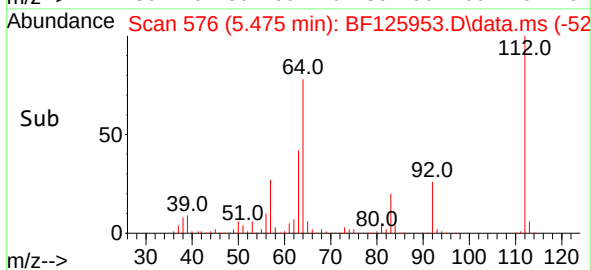
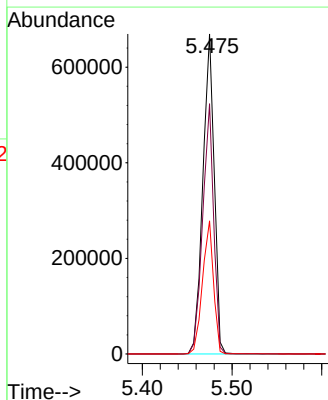
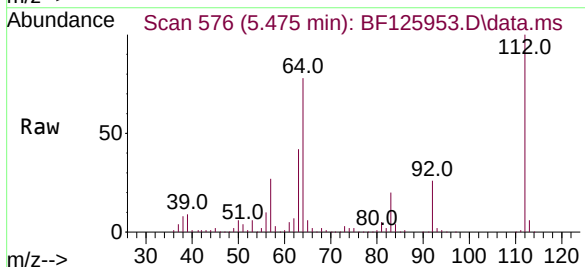
Instrument :
BNA_F
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FK-SF-02-007-A

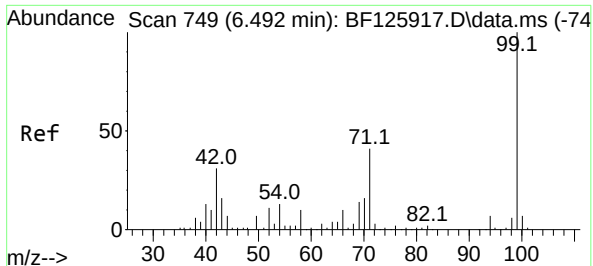
Tgt Ion:152 Resp: 197877
Ion Ratio Lower Upper
152 100
150 155.5 117.6 176.4
115 62.1 47.1 70.7



#5
2-Fluorophenol
Concen: 44.384 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF125953.D
Acq: 27 Oct 2021 1:27

Tgt Ion:112 Resp: 589617
Ion Ratio Lower Upper
112 100
64 78.2 44.2 66.2#
63 41.6 26.2 39.2#

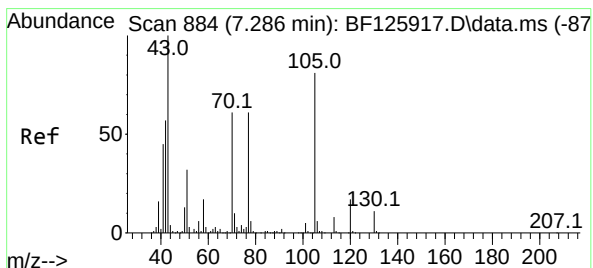
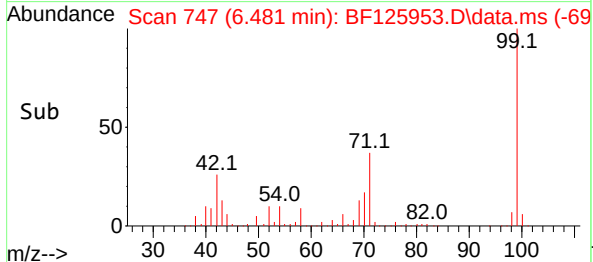
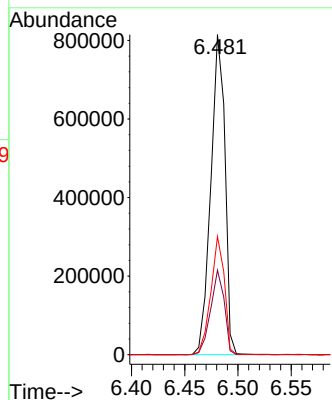
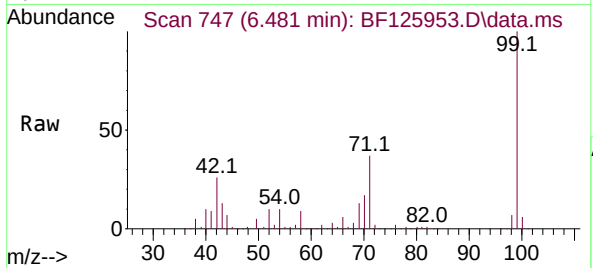




#7
Phenol-d6
Concen: 41.382 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF125953.D
Acq: 27 Oct 2021 1:27

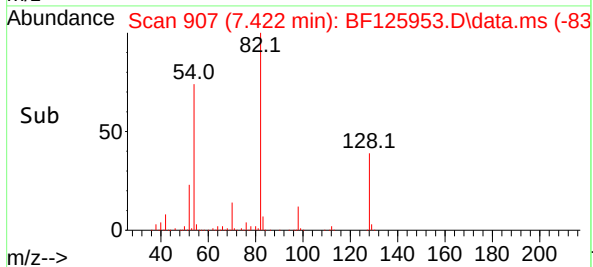
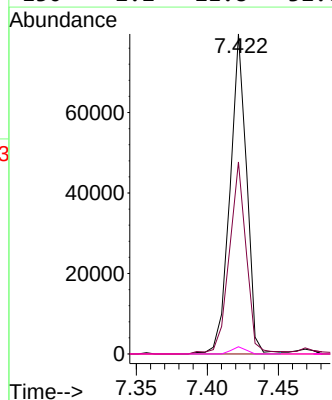
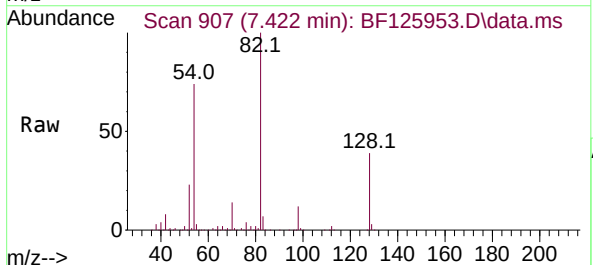
Instrument :
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ClientSampleId :
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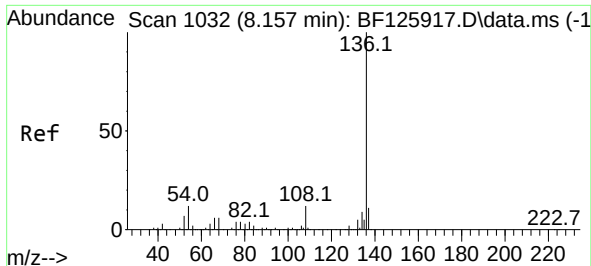
Tgt Ion: 99 Resp: 754009
Ion Ratio Lower Upper
99 100
42 26.4 23.5 35.3
71 36.9 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 6.229 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.135 min
Lab File: BF125953.D
Acq: 27 Oct 2021 1:27

Tgt Ion: 70 Resp: 64843
Ion Ratio Lower Upper
70 100
42 60.0 72.2 108.2#
101 0.0 7.8 11.8#
130 2.2 21.8 32.6#

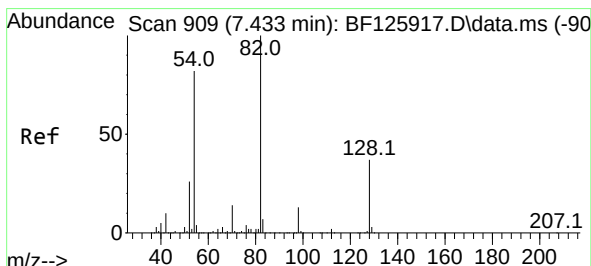
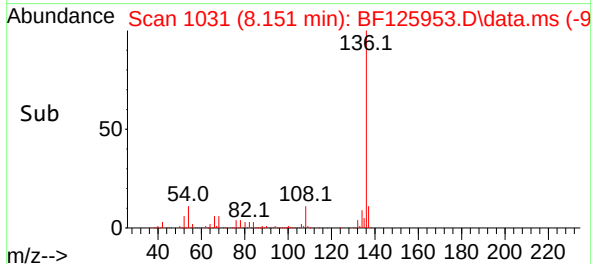
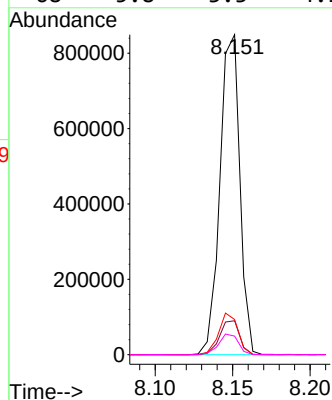
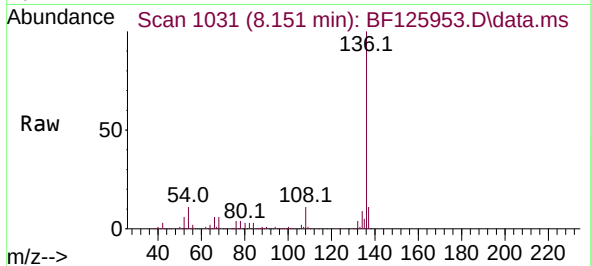




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF125953.D
Acq: 27 Oct 2021 1:27

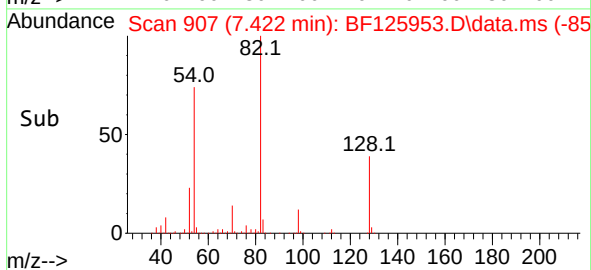
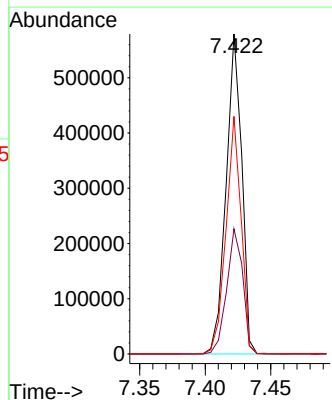
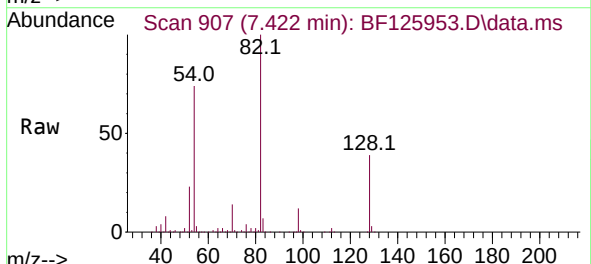
Instrument :
BNA_F
ClientSampleId :
FK-SF-02-007-A

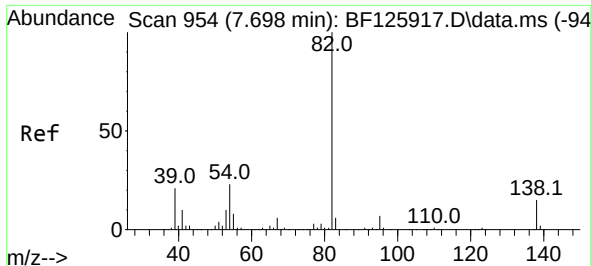
Tgt Ion:136	Resp: 759592
Ion Ratio	Lower Upper
136 100	
137 10.6	9.8 14.6
54 11.0	6.4 9.6#
68 5.8	3.3 4.9#



#23
Nitrobenzene-d5
Concen: 32.650 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF125953.D
Acq: 27 Oct 2021 1:27

Tgt Ion: 82	Resp: 480137
Ion Ratio	Lower Upper
82 100	
128 39.1	40.6 60.8#
54 74.2	49.6 74.4

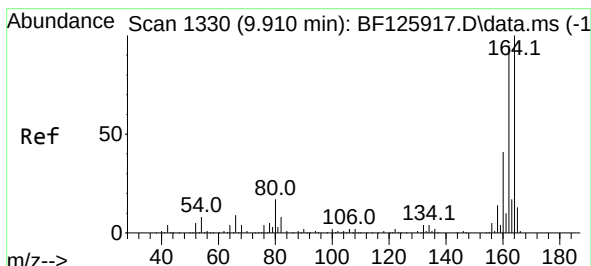
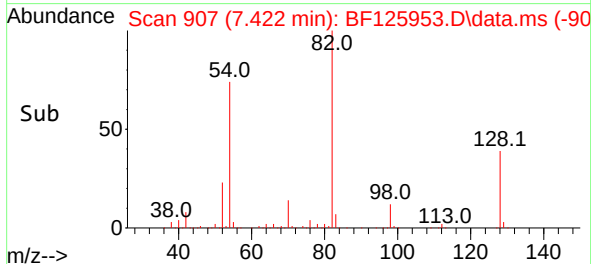
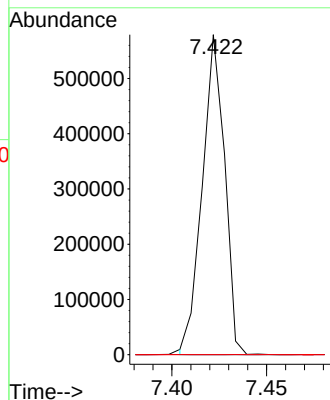
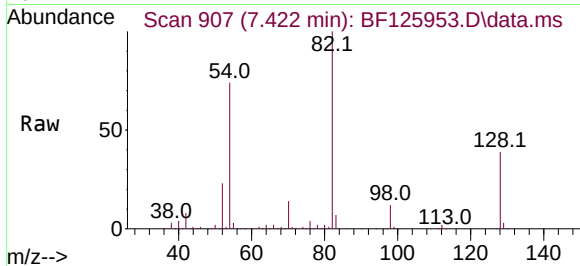




#25
Isophorone
Concen: 17.008 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.276 min
Lab File: BF125953.D
Acq: 27 Oct 2021 1:27

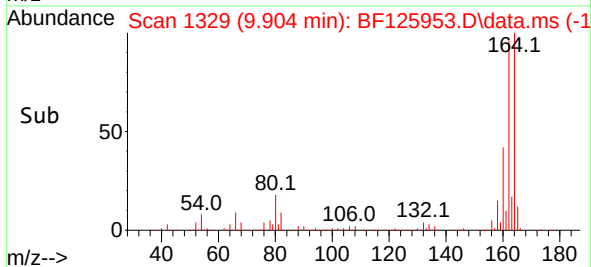
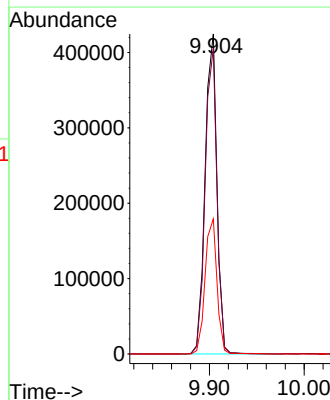
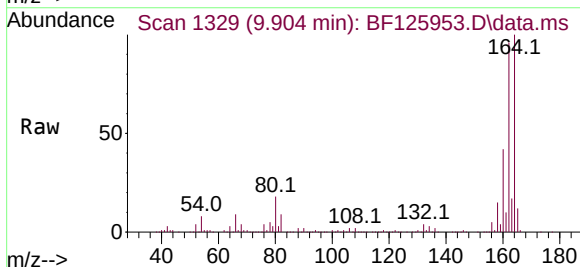
Instrument :
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ClientSampleId :
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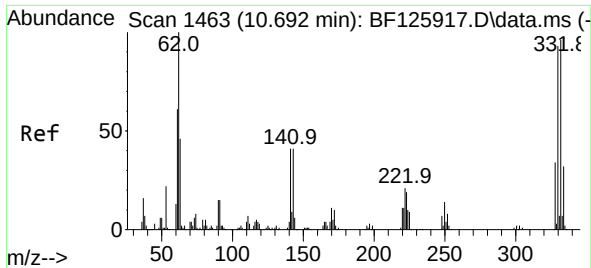
Tgt Ion: 82 Resp: 476315
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF125953.D
Acq: 27 Oct 2021 1:27

Tgt Ion: 164 Resp: 366531
Ion Ratio Lower Upper
164 100
162 95.5 81.3 121.9
160 42.2 38.0 57.0

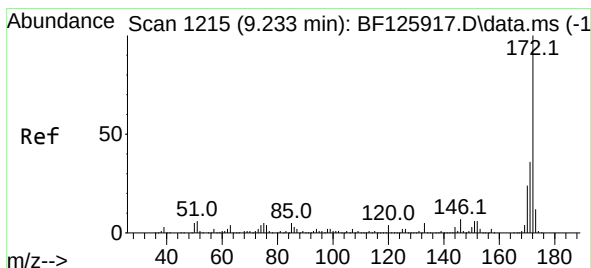
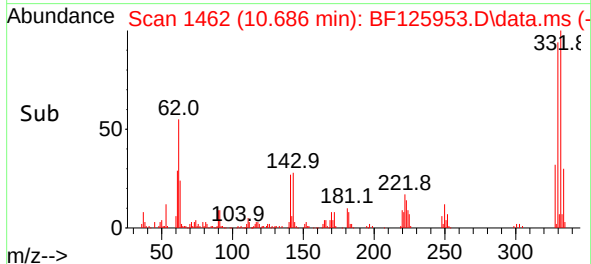
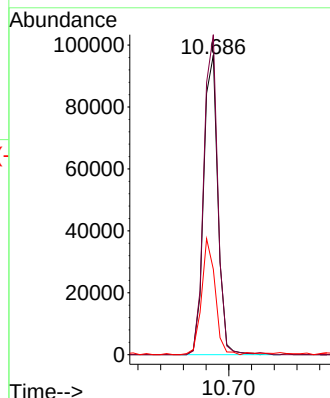
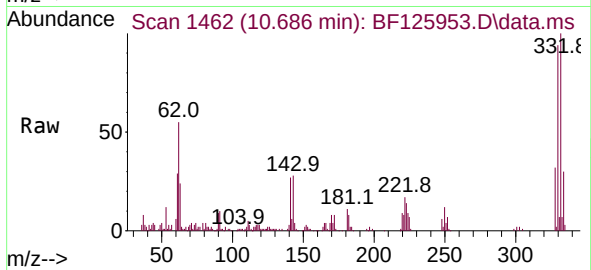




#42
2,4,6-Tribromophenol
Concen: 26.291 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF125953.D
Acq: 27 Oct 2021 1:27

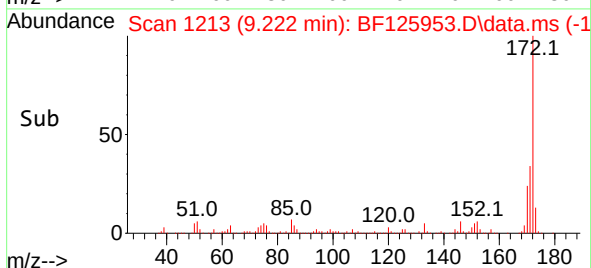
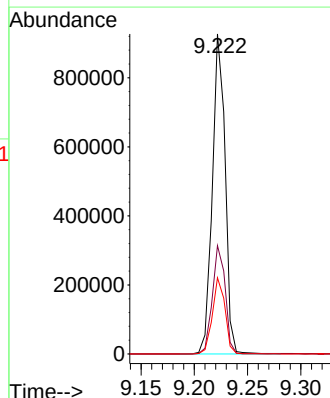
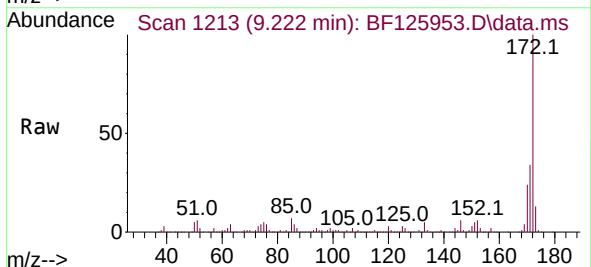
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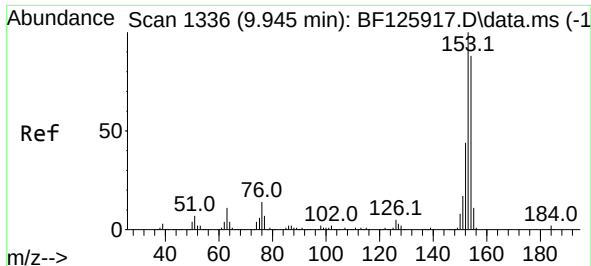
Tgt Ion: 330 Resp: 84004
Ion Ratio Lower Upper
330 100
332 104.5 76.2 114.4
141 36.9 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 37.322 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF125953.D
Acq: 27 Oct 2021 1:27

Tgt Ion: 172 Resp: 773546
Ion Ratio Lower Upper
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171 33.9 26.5 39.7
170 23.8 18.8 28.2

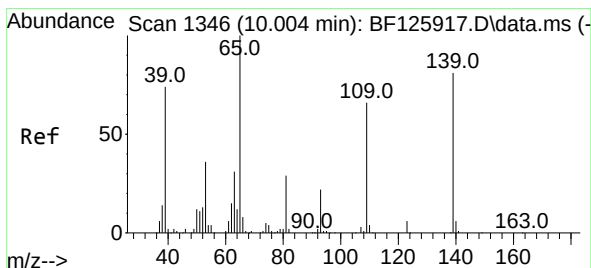
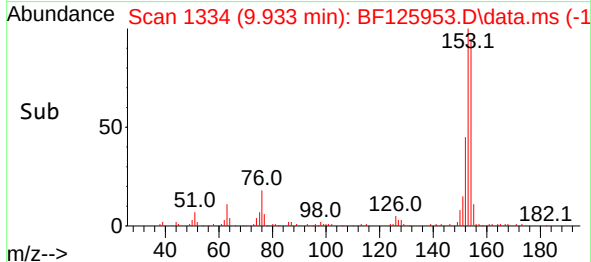
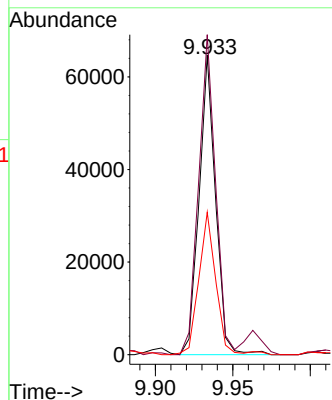
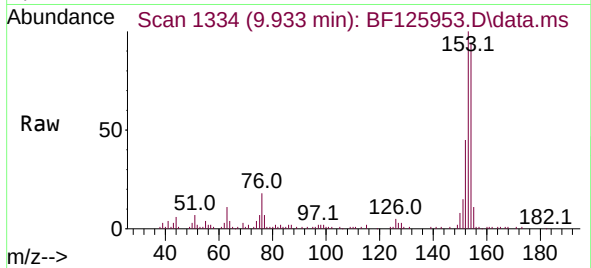




#52
Acenaphthene
Concen: 2.414 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF125953.D
Acq: 27 Oct 2021 1:27

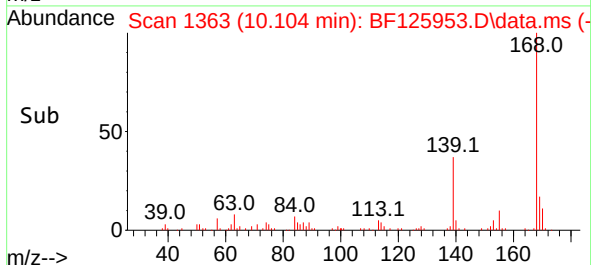
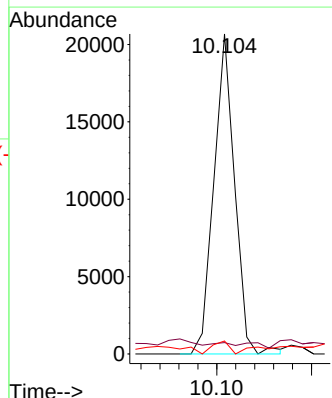
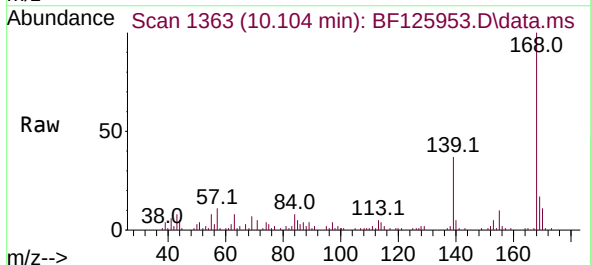
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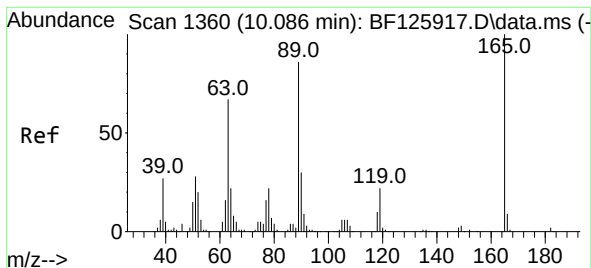
Tgt Ion:154 Resp: 47965
Ion Ratio Lower Upper
154 100
153 106.8 89.4 134.2
152 47.5 40.5 60.7



#56
4-Nitrophenol
Concen: 3.959 ng
RT: 10.104 min Scan# 1363
Delta R.T. 0.100 min
Lab File: BF125953.D
Acq: 27 Oct 2021 1:27

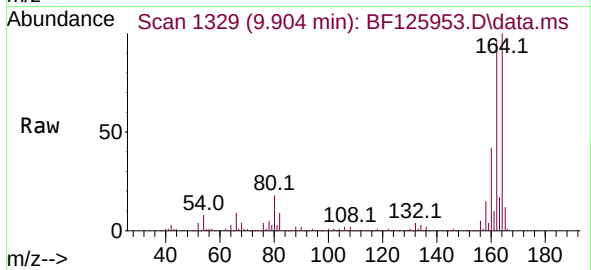
Tgt Ion:139 Resp: 15792
Ion Ratio Lower Upper
139 100
109 3.6 60.4 100.4#
65 4.1 58.4 98.4#



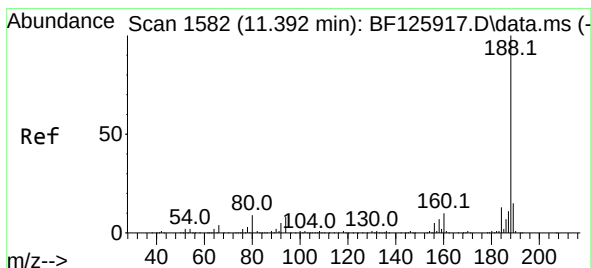
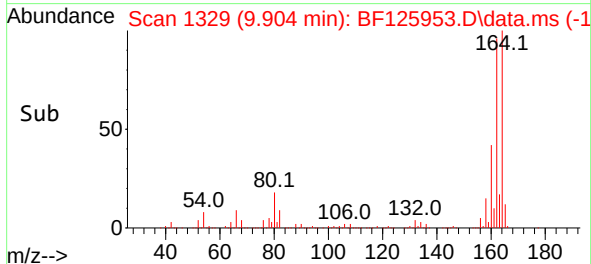
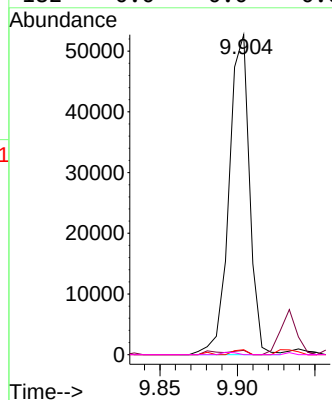


#57
2,4-Dinitrotoluene
Concen: 8.807 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.182 min
Lab File: BF125953.D
Acq: 27 Oct 2021 1:27

Instrument :
BNA_F
ClientSampleId :
FK-SF-02-007-A

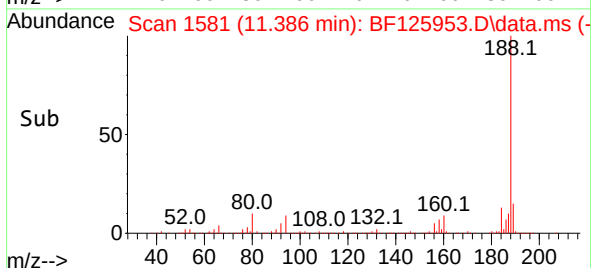
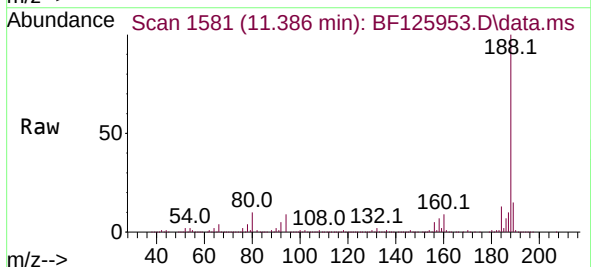
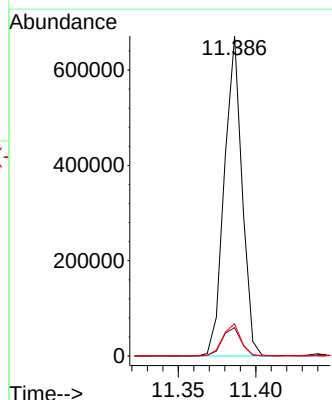


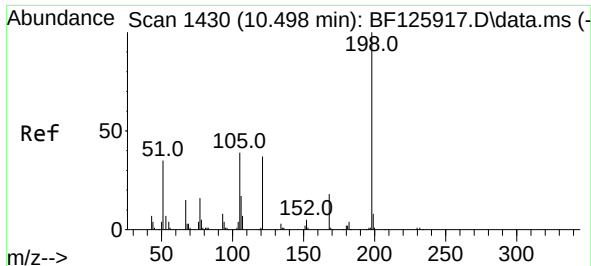
Tgt Ion:165 Resp: 48442
Ion Ratio Lower Upper
165 100
63 1.4 40.9 61.3#
89 1.6 59.7 89.5#
182 0.0 0.0 0.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF125953.D
Acq: 27 Oct 2021 1:27

Tgt Ion:188 Resp: 532098
Ion Ratio Lower Upper
188 100
94 8.8 6.7 10.1
80 10.1 7.5 11.3

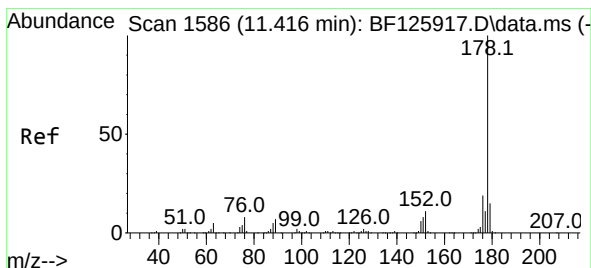
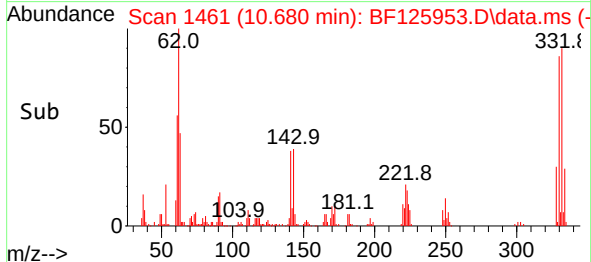
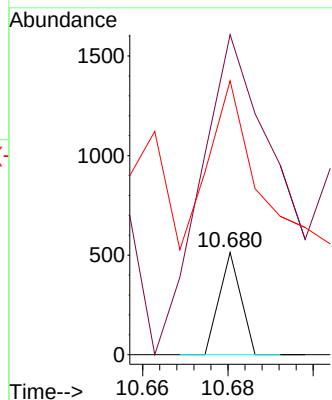
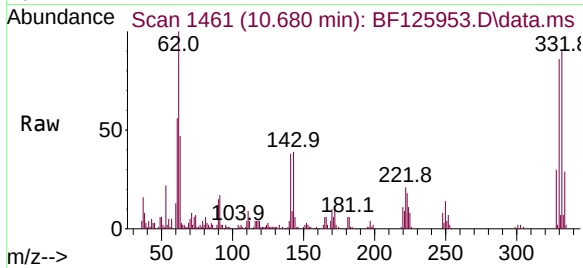




#65
4,6-Dinitro-2-methylphenol
Concen: 6.133 ng
RT: 10.680 min Scan# 1461
Delta R.T. 0.182 min
Lab File: BF125953.D
Acq: 27 Oct 2021 1:27

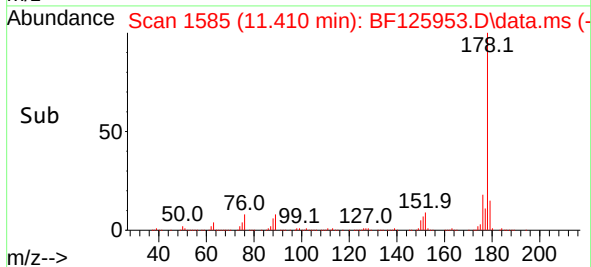
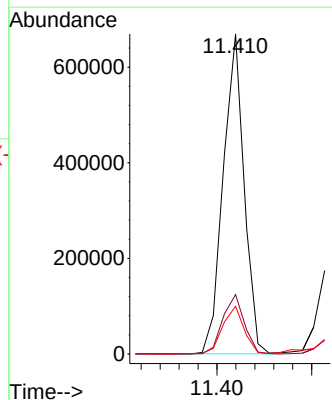
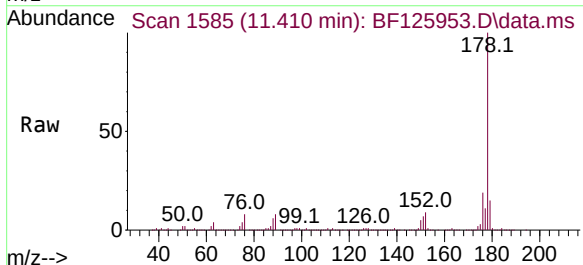
Instrument :
BNA_F
ClientSampleId :
FK-SF-02-007-A

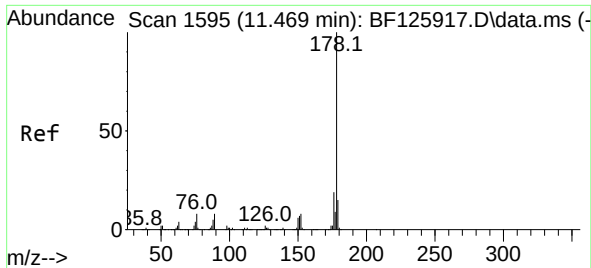
Tgt Ion:198 Resp: 181
Ion Ratio Lower Upper
198 100
51 312.6 45.3 85.3#
105 267.7 30.6 70.6#



#71
Phenanthrene
Concen: 18.617 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF125953.D
Acq: 27 Oct 2021 1:27

Tgt Ion:178 Resp: 514005
Ion Ratio Lower Upper
178 100
176 18.5 14.7 22.1
179 14.9 11.5 17.3

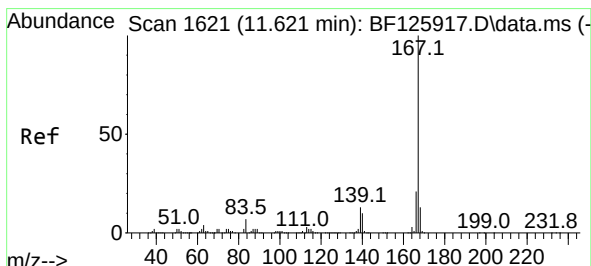
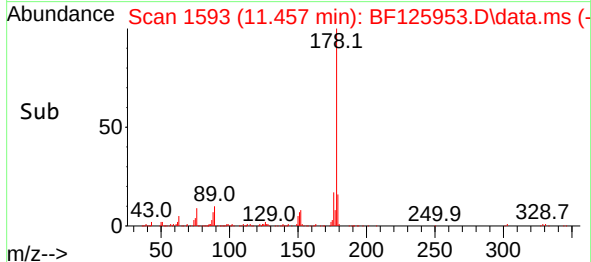
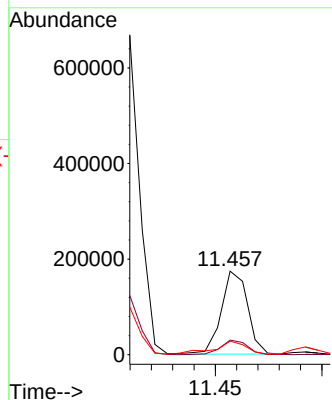
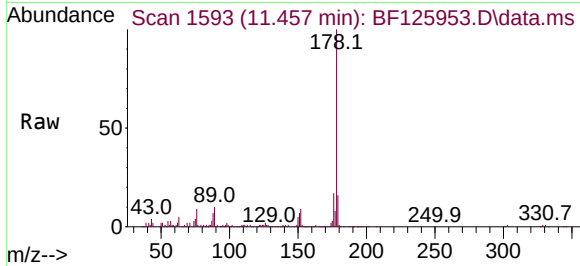




#72
 Anthracene
 Concen: 5.412 ng
 RT: 11.457 min Scan# 1593
 Delta R.T. -0.012 min
 Lab File: BF125953.D
 Acq: 27 Oct 2021 1:27

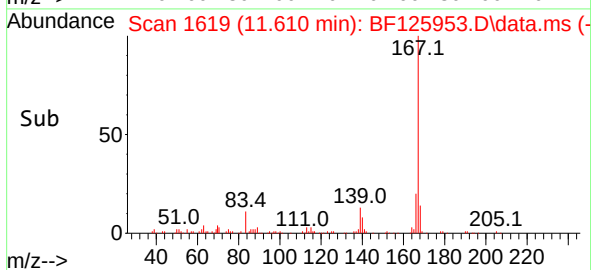
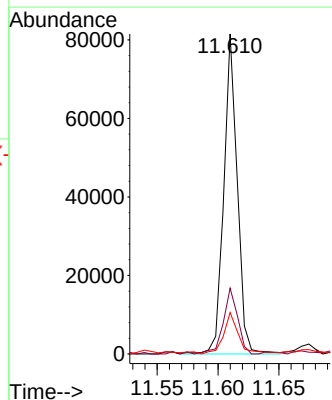
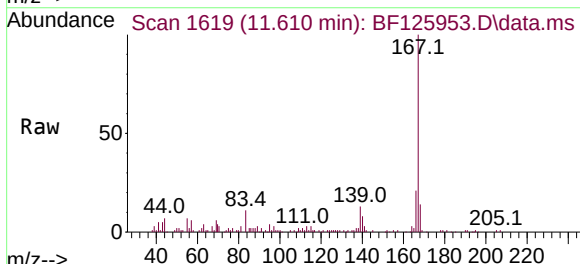
Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-02-007-A

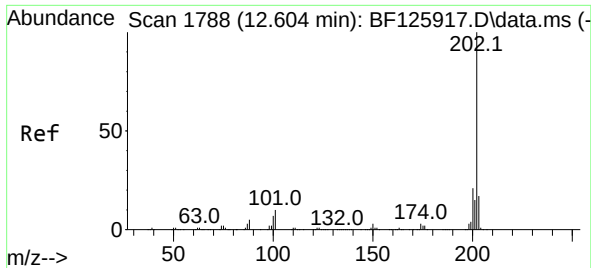
Tgt Ion:178 Resp: 149200
 Ion Ratio Lower Upper
 178 100
 176 17.4 14.3 21.5
 179 16.4 12.2 18.4



#73
 Carbazole
 Concen: 2.415 ng
 RT: 11.610 min Scan# 1619
 Delta R.T. -0.012 min
 Lab File: BF125953.D
 Acq: 27 Oct 2021 1:27

Tgt Ion:167 Resp: 63284
 Ion Ratio Lower Upper
 167 100
 166 20.5 17.4 26.0
 139 13.0 11.0 16.4

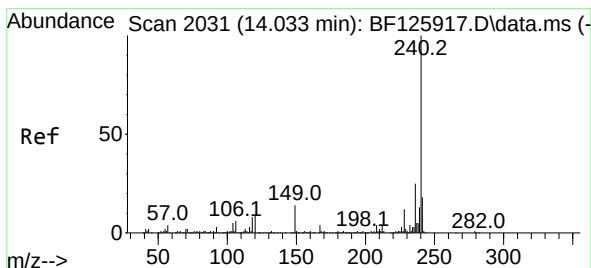
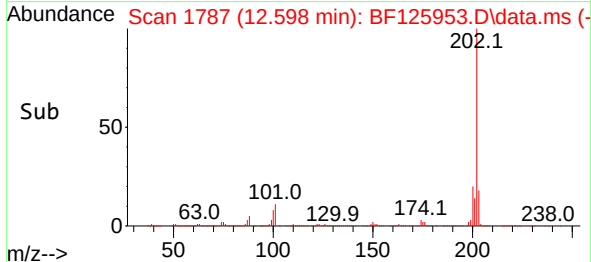
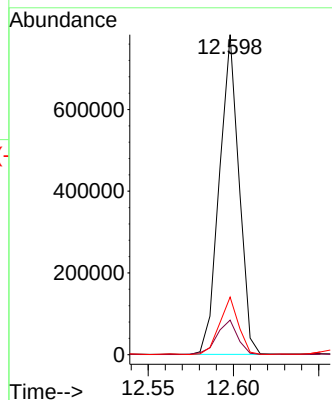
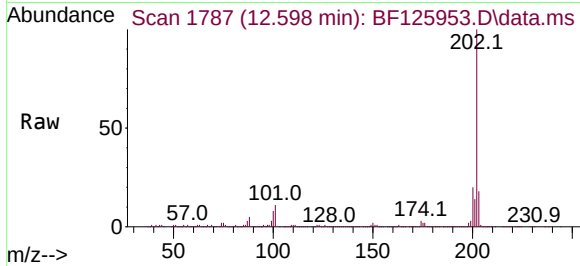




#75
Fluoranthene
Concen: 22.506 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF125953.D
Acq: 27 Oct 2021 1:27

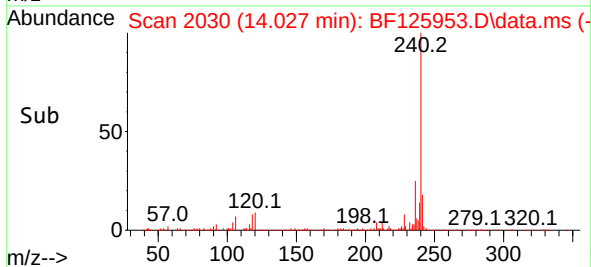
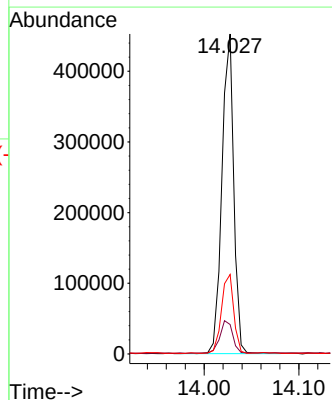
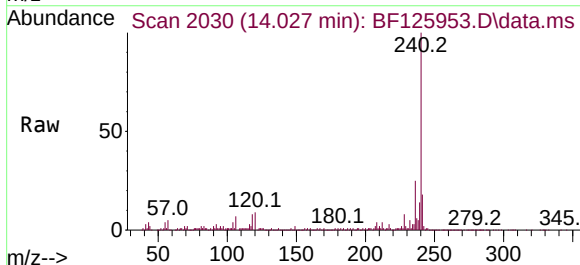
Instrument :
BNA_F
ClientSampleId :
FK-SF-02-007-A

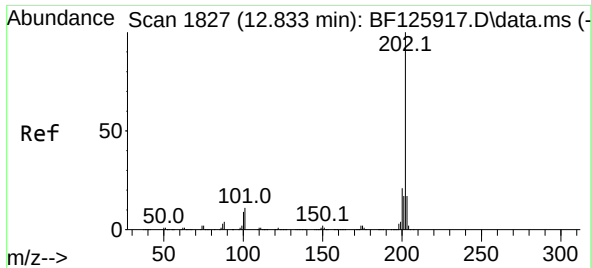
Tgt Ion:202 Resp: 626410
Ion Ratio Lower Upper
202 100
101 10.8 0.0 30.7
203 18.0 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF125953.D
Acq: 27 Oct 2021 1:27

Tgt Ion:240 Resp: 392095
Ion Ratio Lower Upper
240 100
120 9.2 10.8 16.2#
236 24.8 21.6 32.4

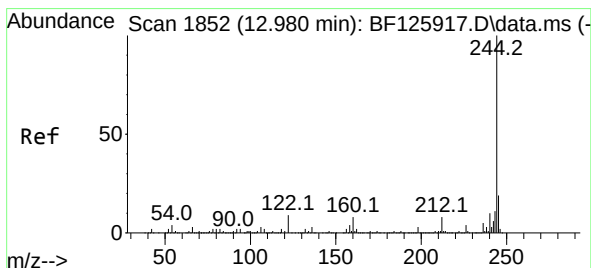
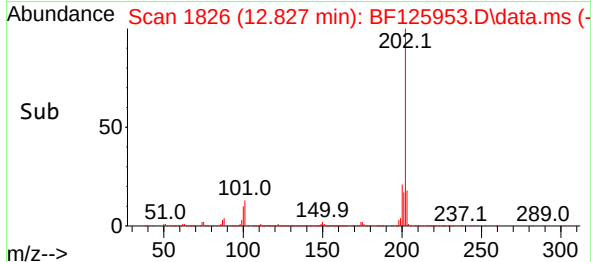
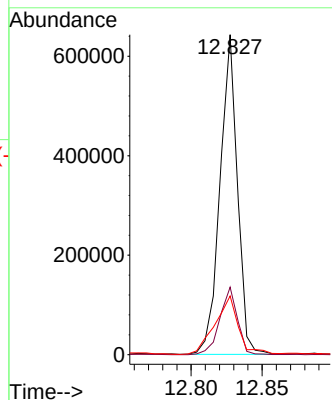
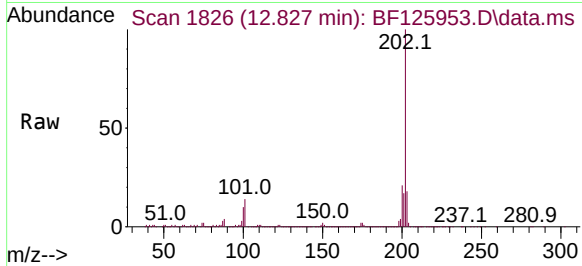




#78
Pyrene
Concen: 15.014 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF125953.D
Acq: 27 Oct 2021 1:27

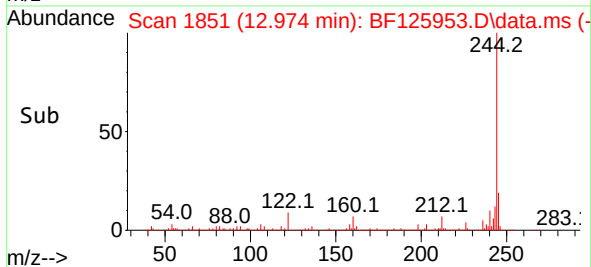
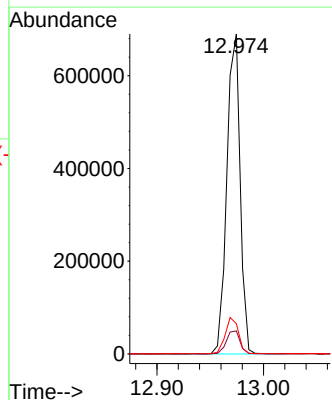
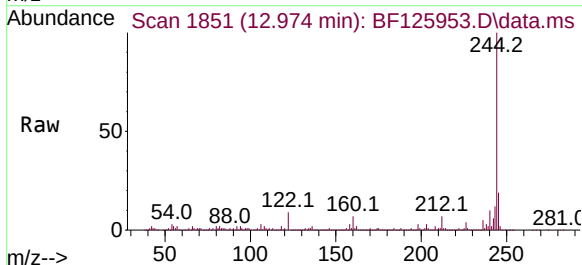
Instrument :
BNA_F
ClientSampleId :
FK-SF-02-007-A

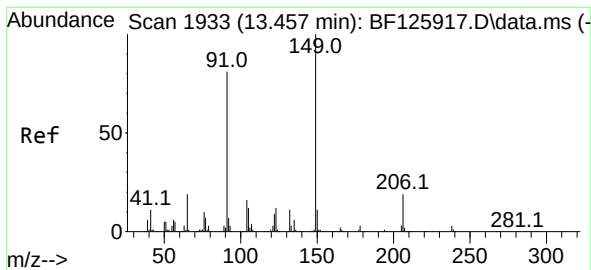
Tgt Ion:202	Resp:	547830
Ion Ratio	Lower	Upper
202	100	
200	21.1	15.3 22.9
203	18.4	13.4 20.0



#79
Terphenyl-d14
Concen: 24.880 ng
RT: 12.974 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF125953.D
Acq: 27 Oct 2021 1:27

Tgt Ion:244	Resp:	596394
Ion Ratio	Lower	Upper
244	100	
212	7.2	5.9 8.9
122	9.5	9.0 13.4

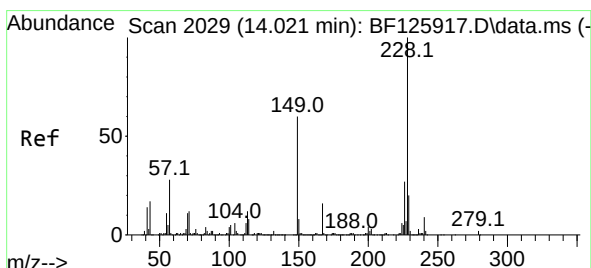
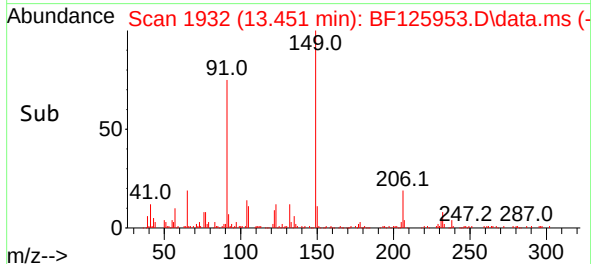
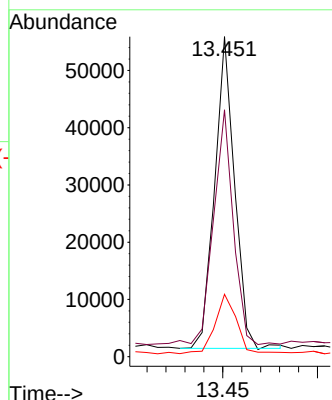
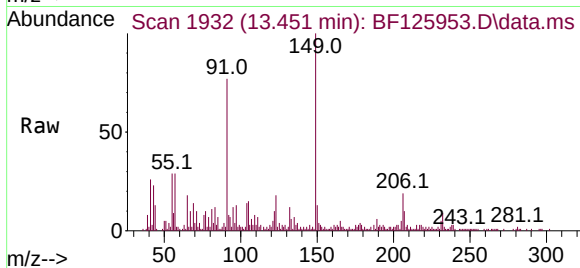




#80
Butylbenzylphthalate
Concen: 3.363 ng
RT: 13.451 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BF125953.D
Acq: 27 Oct 2021 1:27

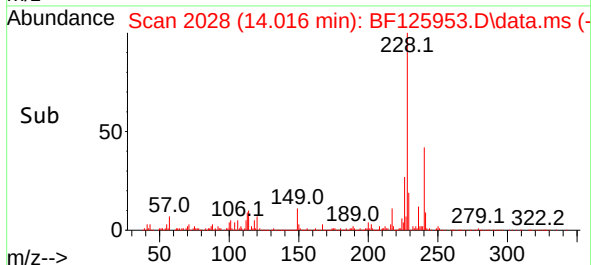
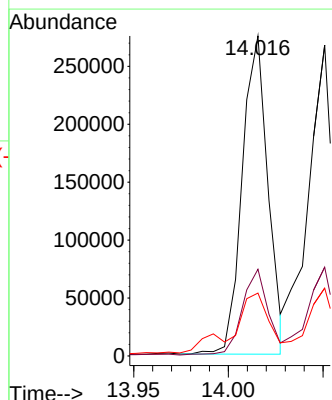
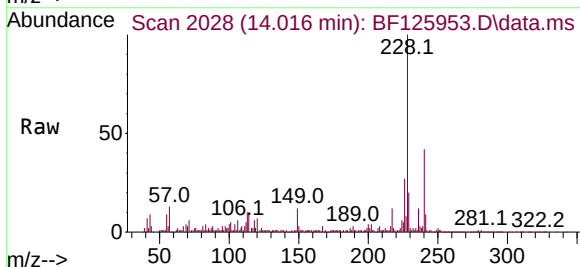
Instrument :
BNA_F
ClientSampleId :
FK-SF-02-007-A

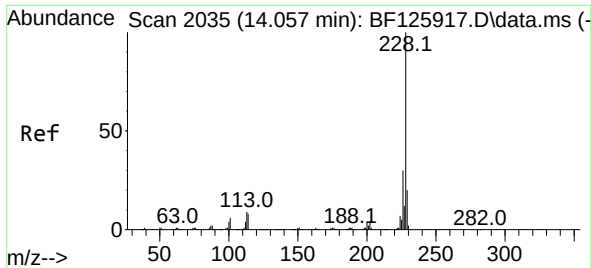
Tgt Ion:	149	Resp:	39916
Ion Ratio	Lower	Upper	
149	100		
91	77.2	51.8	77.8
206	19.5	14.5	21.7



#81
Benzo(a)anthracene
Concen: 9.854 ng
RT: 14.016 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF125953.D
Acq: 27 Oct 2021 1:27

Tgt Ion:	228	Resp:	260034
Ion Ratio	Lower	Upper	
228	100		
226	27.1	21.6	32.4
229	19.6	15.6	23.4

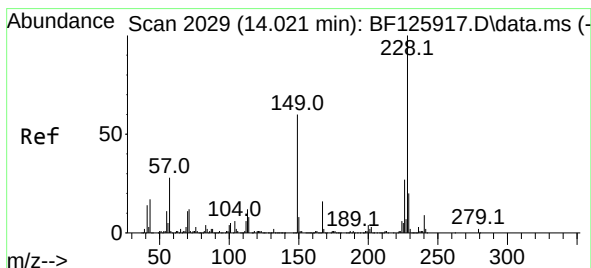
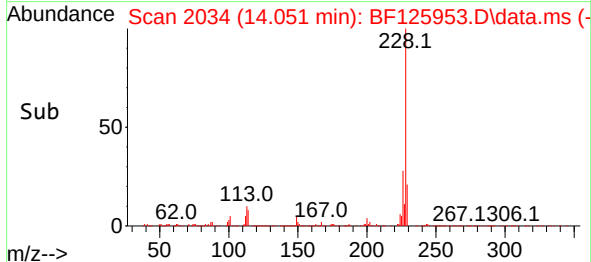
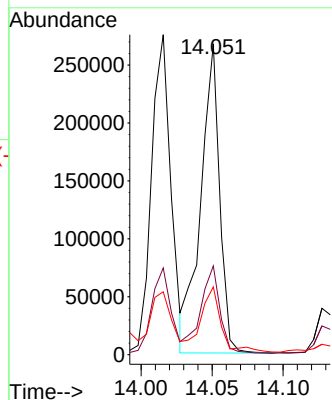
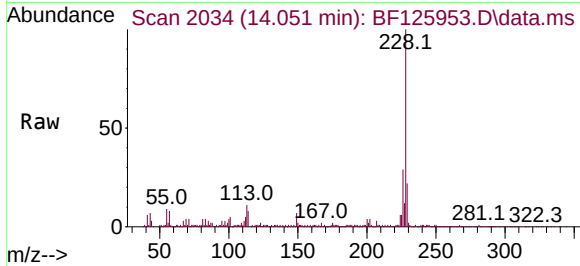




#83
Chrysene
Concen: 9.297 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF125953.D
Acq: 27 Oct 2021 1:27

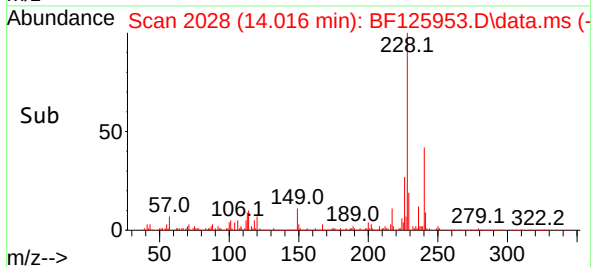
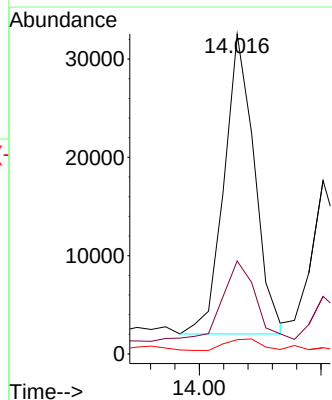
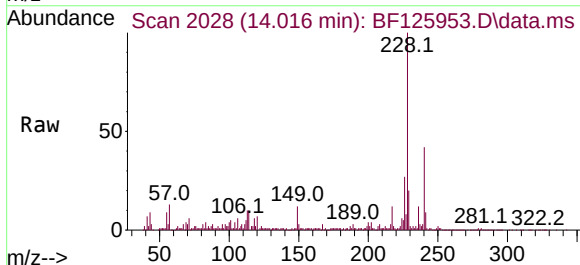
Instrument :
BNA_F
ClientSampleId :
FK-SF-02-007-A

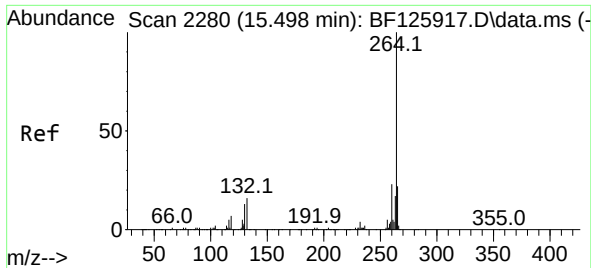
Tgt Ion:228	Resp:	248228
Ion Ratio	Lower	Upper
228	100	
226	28.6	22.6 34.0
229	21.8	15.9 23.9



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.055 ng
RT: 14.016 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF125953.D
Acq: 27 Oct 2021 1:27

Tgt Ion:149	Resp:	26428
Ion Ratio	Lower	Upper
149	100	
167	29.1	21.4 32.0
279	4.4	2.6 4.0#

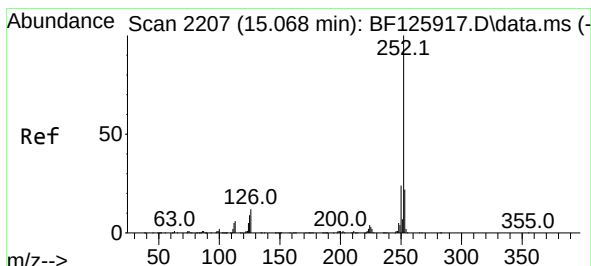
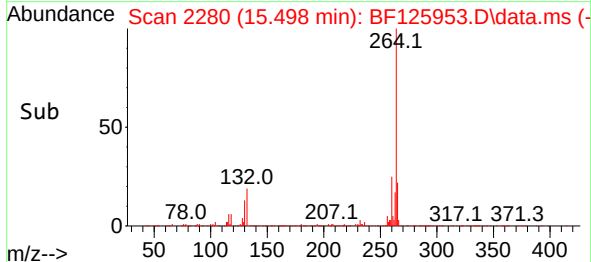
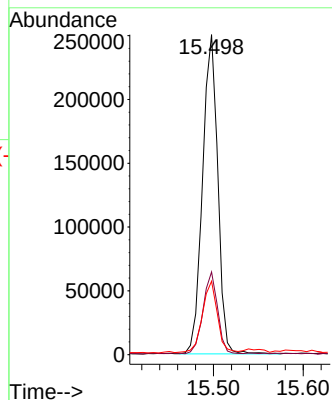
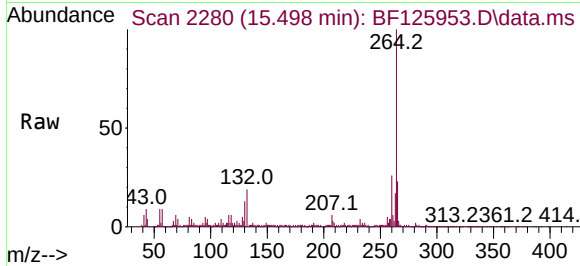




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.000 min
Lab File: BF125953.D
Acq: 27 Oct 2021 1:27

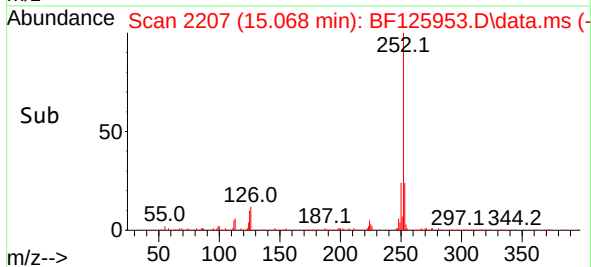
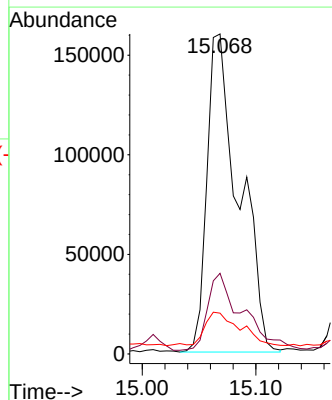
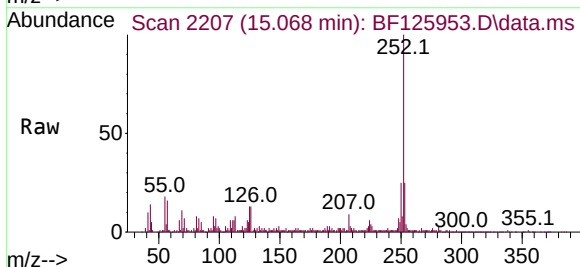
Instrument :
BNA_F
ClientSampleId :
FK-SF-02-007-A

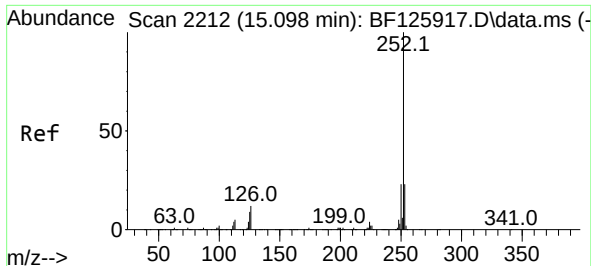
Tgt Ion:	264	Resp:	295369
Ion Ratio	Lower	Upper	
264	100		
260	25.8	19.6	29.4
265	23.0	17.2	25.8



#88
Benzo(b)fluoranthene
Concen: 15.988 ng
RT: 15.068 min Scan# 2207
Delta R.T. 0.000 min
Lab File: BF125953.D
Acq: 27 Oct 2021 1:27

Tgt Ion:	252	Resp:	311698
Ion Ratio	Lower	Upper	
252	100		
253	25.2	16.8	25.2
125	12.8	9.8	14.8





#89

Benzo(k)fluoranthene

Concen: 16.644 ng

RT: 15.068 min Scan# 2207

Delta R.T. -0.029 min

Lab File: BF125953.D

Acq: 27 Oct 2021 1:27

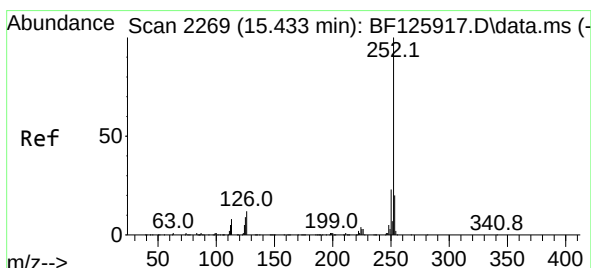
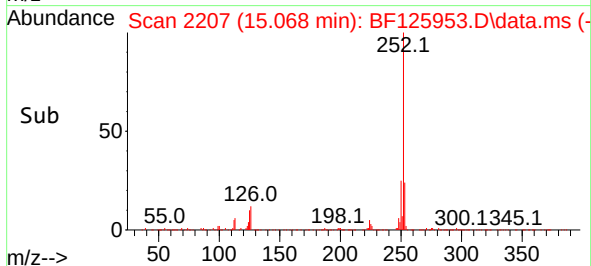
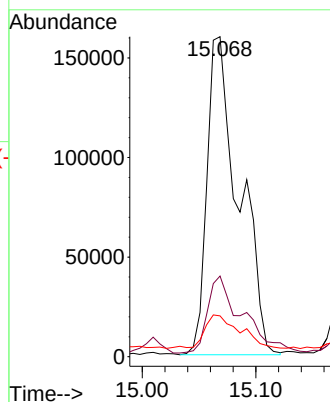
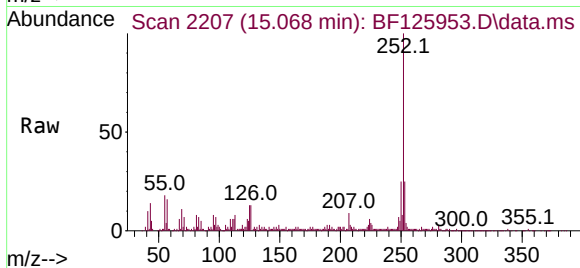
Tgt Ion:252	Resp:	311698
Ion Ratio	Lower	Upper
252	100	
253	25.2	17.8 26.8
125	12.8	7.2 10.8#

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-007-A



#90

Benzo(a)pyrene

Concen: 10.269 ng

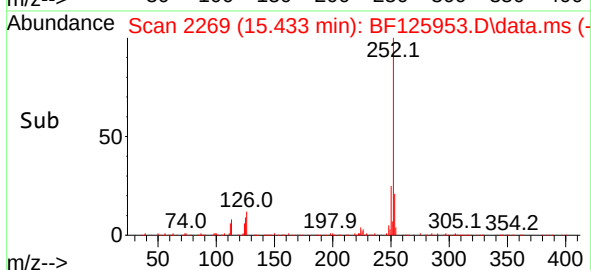
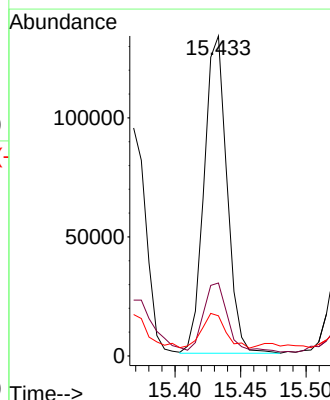
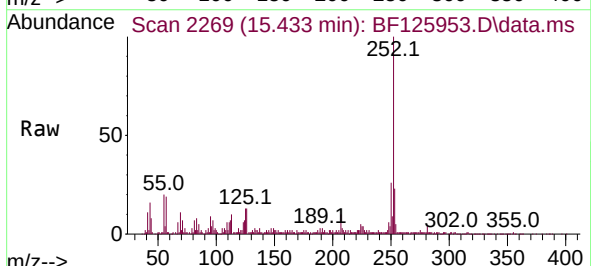
RT: 15.433 min Scan# 2269

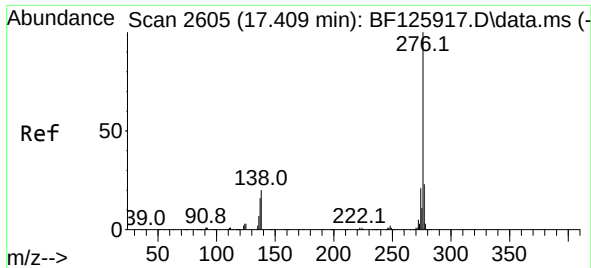
Delta R.T. 0.000 min

Lab File: BF125953.D

Acq: 27 Oct 2021 1:27

Tgt Ion:252	Resp:	161626
Ion Ratio	Lower	Upper
252	100	
253	22.8	18.4 27.6
125	12.5	9.9 14.9





#92
 Benzo(g,h,i)perylene
 Concen: 4.479 ng
 RT: 17.398 min Scan# 2603
 Delta R.T. -0.012 min
 Lab File: BF125953.D
 Acq: 27 Oct 2021 1:27

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-02-007-A

Tgt Ion:	276	Resp:	80677
Ion Ratio	Lower	Upper	
276	100		
277	20.9	22.0	33.0#
138	22.0	22.2	33.4#

