

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102621\
 Data File : BF125954.D
 Acq On : 27 Oct 2021 1:58
 Operator : JU/CG
 Sample : M4324-03 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Oct 27 09:05:43 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)

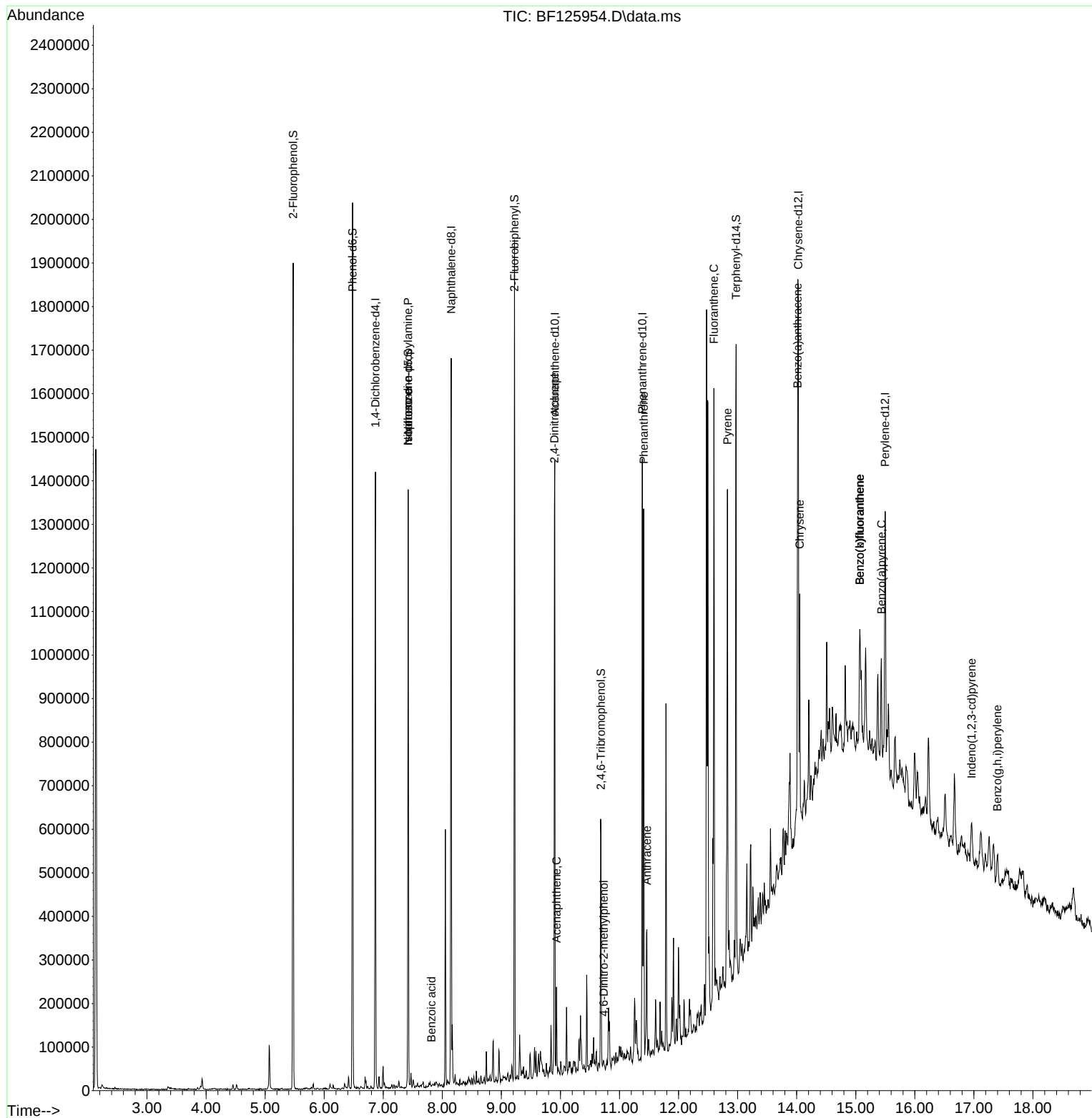
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	180537	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	635997	20.000	ng	# 0.00
39) Acenaphthene-d10	9.904	164	290430	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	459891	20.000	ng	0.00
76) Chrysene-d12	14.027	240	366196	20.000	ng	0.00
86) Perylene-d12	15.498	264	272934	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	431230	35.579	ng	0.00
7) Phenol-d6	6.481	99	525734	31.625	ng	-0.01
23) Nitrobenzene-d5	7.422	82	325118	26.405	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	50586	19.980	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	496607	30.238	ng	-0.01
79) Terphenyl-d14	12.974	244	459882	20.542	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	43730	4.604	ng	# 65
25) Isophorone	7.422	82	324169	13.825	ng	# 59
32) Benzoic acid	7.816	122	121	4.187	ng	# 55
52) Acenaphthene	9.933	154	36235	2.301	ng	96
57) 2,4-Dinitrotoluene	9.898	165	38305	8.789	ng	# 20
58) Fluorene	10.445	166	48399	Below Cal		98
65) 4,6-Dinitro-2-methylph...	10.733	198	131	6.122	ng	# 1
71) Phenanthrene	11.410	178	409978	17.180	ng	98
72) Anthracene	11.463	178	111349	4.673	ng	99
75) Fluoranthene	12.598	202	501496	20.847	ng	96
78) Pyrene	12.827	202	441229	12.947	ng	97
81) Benzo(a)anthracene	14.016	228	211746	8.591	ng	98
83) Chrysene	14.051	228	177385	7.113	ng	96
87) Indeno(1,2,3-cd)pyrene	16.962	276	64747	3.293	ng	# 87
88) Benzo(b)fluoranthene	15.068	252	231246	12.836	ng	94
89) Benzo(k)fluoranthene	15.068	252	231246	13.363	ng	# 93
90) Benzo(a)pyrene	15.433	252	120600	8.292	ng	# 95
92) Benzo(g,h,i)perylene	17.398	276	61238	3.680	ng	99

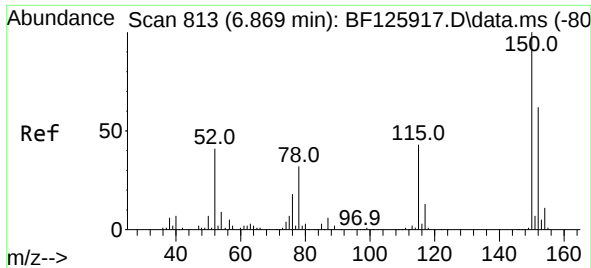
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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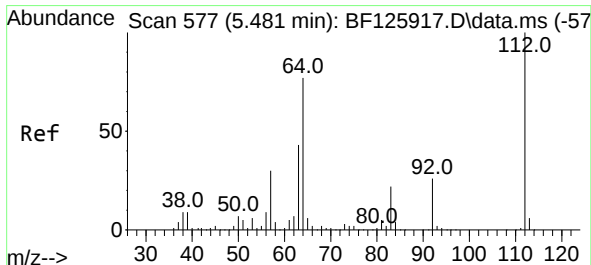
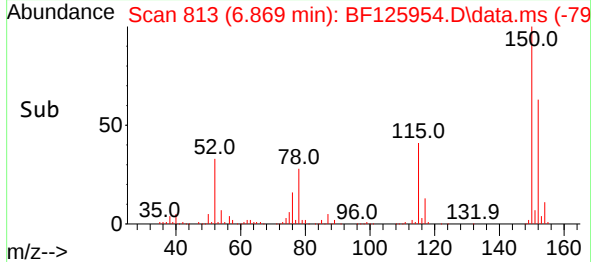
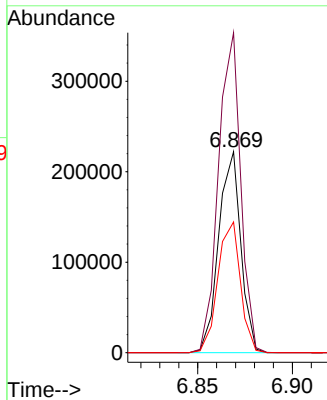
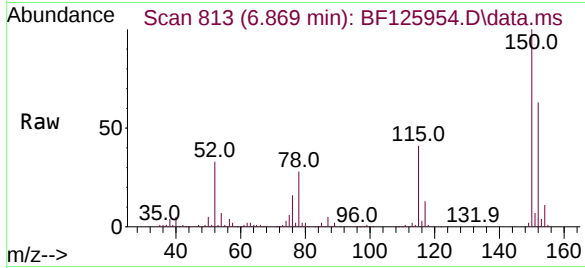




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF125954.D
Acq: 27 Oct 2021 1:58

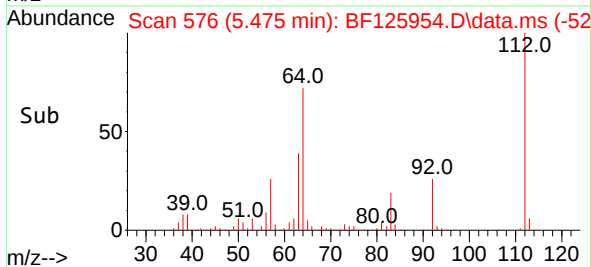
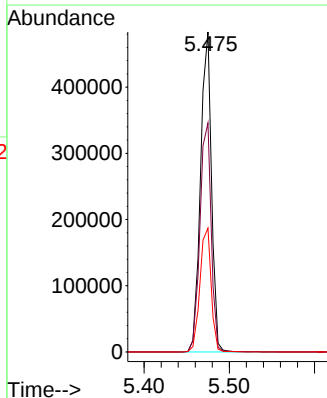
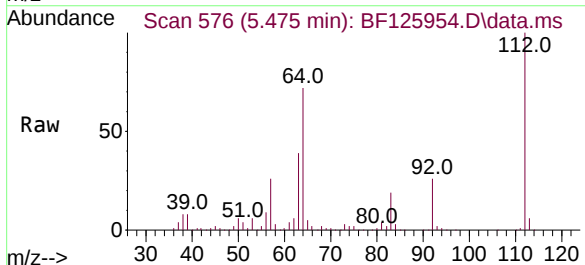
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BNA_F
ClientSampleId :
FK-SF-02-007-B

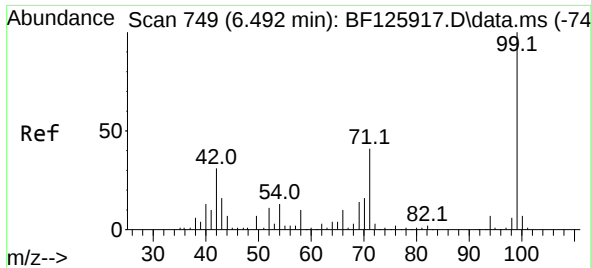
Tgt Ion:152 Resp: 180537
Ion Ratio Lower Upper
152 100
150 159.2 117.6 176.4
115 65.1 47.1 70.7



#5
2-Fluorophenol
Concen: 35.579 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF125954.D
Acq: 27 Oct 2021 1:58

Tgt Ion:112 Resp: 431230
Ion Ratio Lower Upper
112 100
64 71.5 44.2 66.2#
63 38.7 26.2 39.2

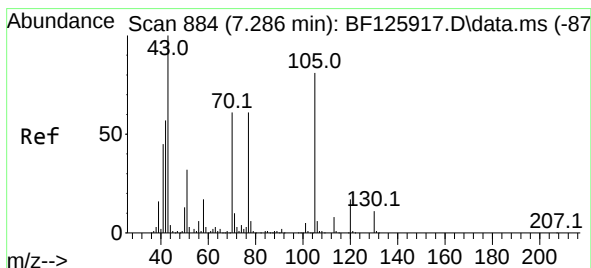
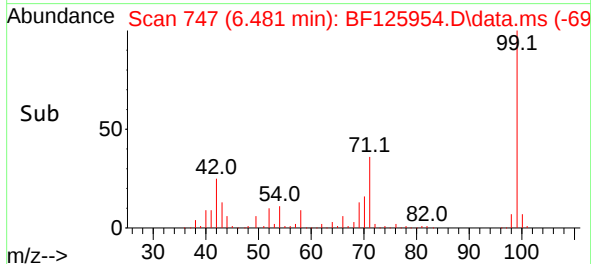
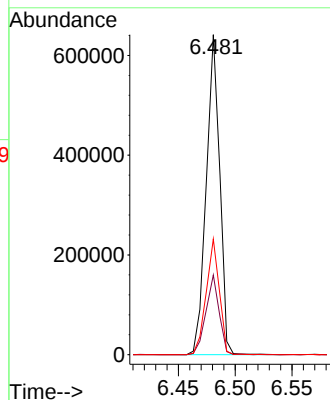
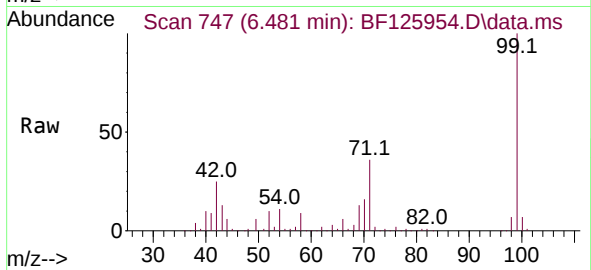




#7
Phenol-d6
Concen: 31.625 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF125954.D
Acq: 27 Oct 2021 1:58

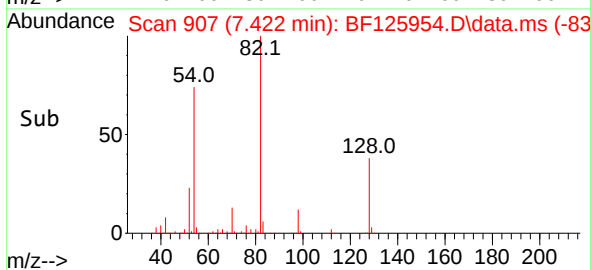
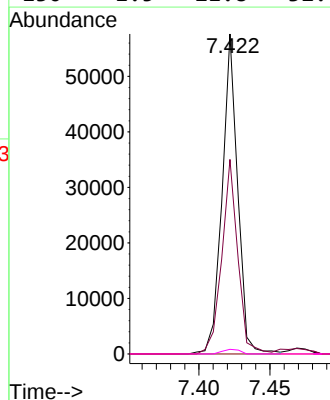
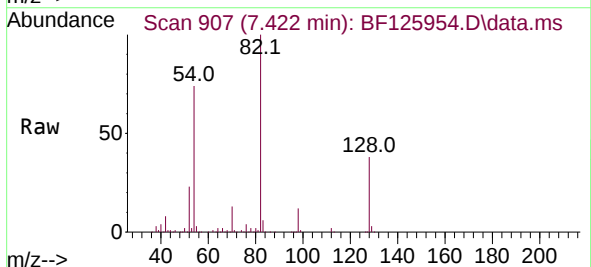
Instrument :
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ClientSampleId :
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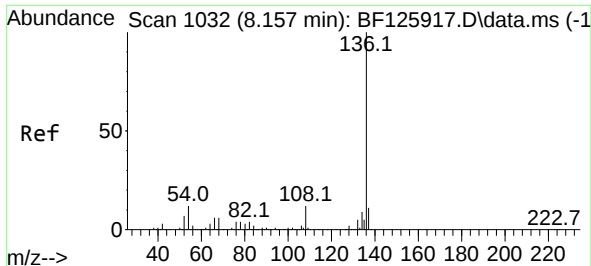
Tgt Ion: 99 Resp: 525734
Ion Ratio Lower Upper
99 100
42 24.9 23.5 35.3
71 36.2 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 4.604 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.135 min
Lab File: BF125954.D
Acq: 27 Oct 2021 1:58

Tgt Ion: 70 Resp: 43730
Ion Ratio Lower Upper
70 100
42 60.8 72.2 108.2#
101 0.0 7.8 11.8#
130 1.5 21.8 32.6#

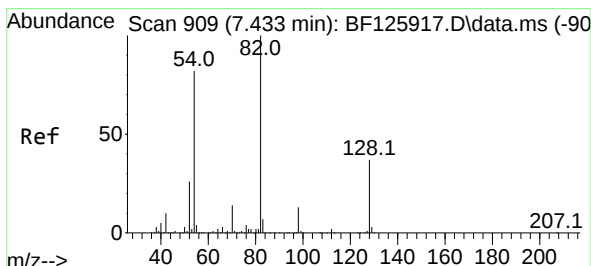
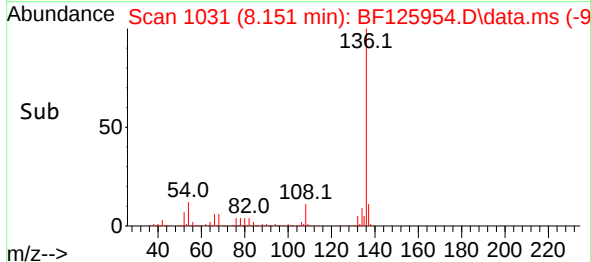
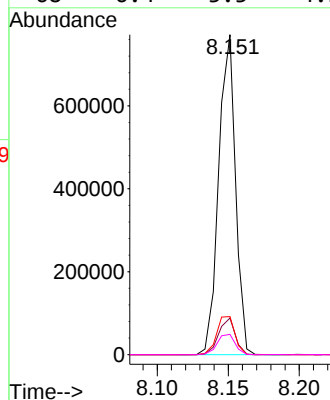
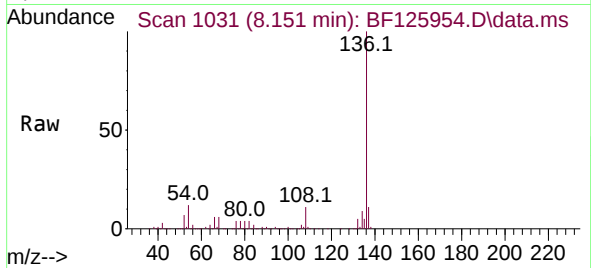




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF125954.D
Acq: 27 Oct 2021 1:58

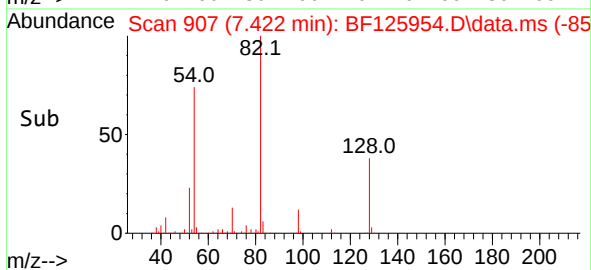
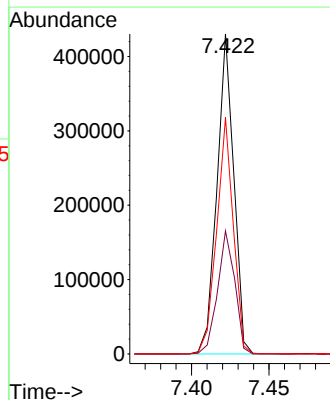
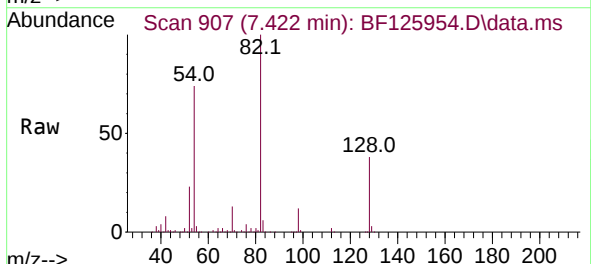
Instrument :
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ClientSampleId :
FK-SF-02-007-B

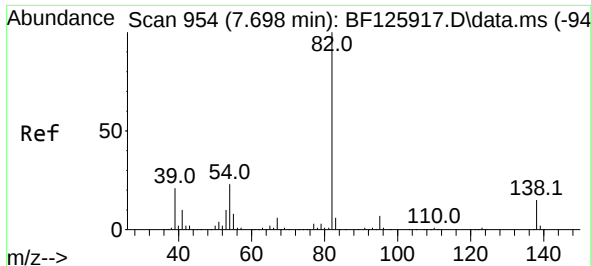
Tgt Ion:136	Resp: 635997
Ion Ratio	Lower Upper
136 100	
137 11.4	9.8 14.6
54 11.9	6.4 9.6#
68 6.4	3.3 4.9#



#23
Nitrobenzene-d5
Concen: 26.405 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF125954.D
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Tgt Ion: 82	Resp: 325118
Ion Ratio	Lower Upper
82 100	
128 38.5	40.6 60.8#
54 73.9	49.6 74.4

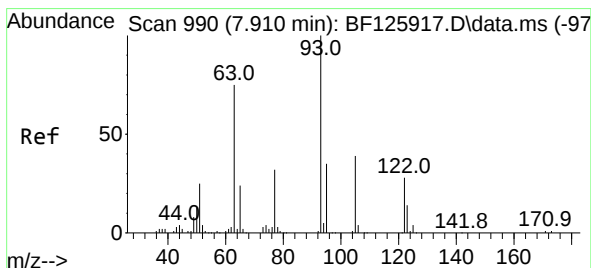
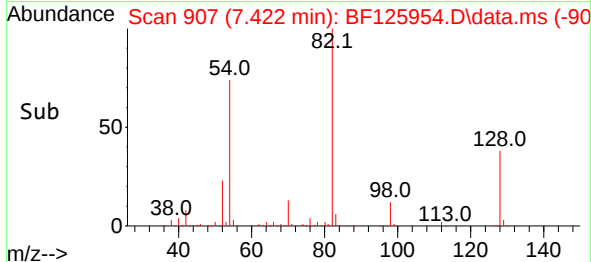
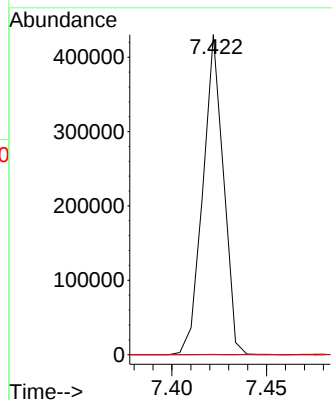
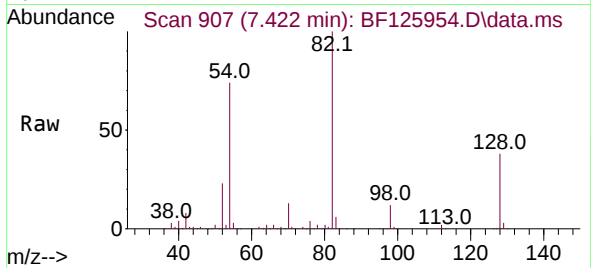




#25
Isophorone
Concen: 13.825 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.276 min
Lab File: BF125954.D
Acq: 27 Oct 2021 1:58

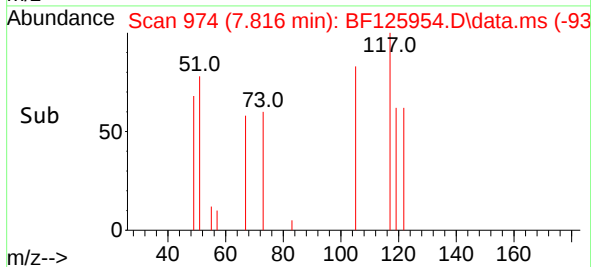
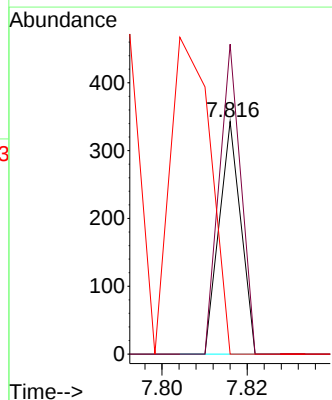
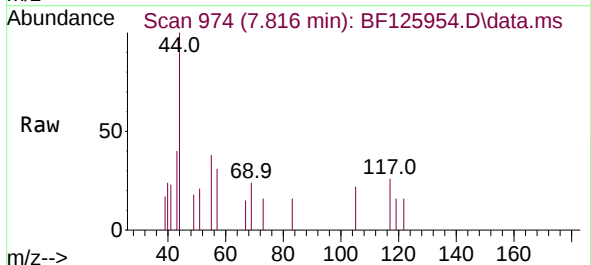
Instrument :
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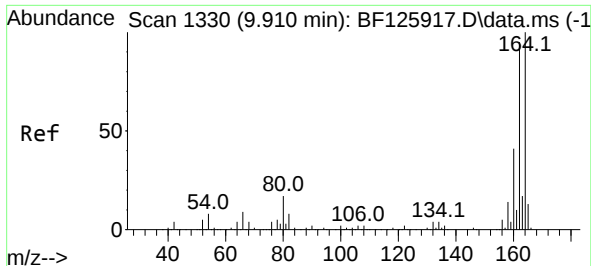
Tgt Ion: 82 Resp: 324169
Ion Ratio Lower Upper
82 100
95 0.1 6.5 9.7#
138 0.0 18.4 27.6#



#32
Benzoic acid
Concen: 4.187 ng
RT: 7.816 min Scan# 974
Delta R.T. -0.094 min
Lab File: BF125954.D
Acq: 27 Oct 2021 1:58

Tgt Ion: 122 Resp: 121
Ion Ratio Lower Upper
122 100
105 133.2 97.6 137.6
77 0.0 59.6 99.6#

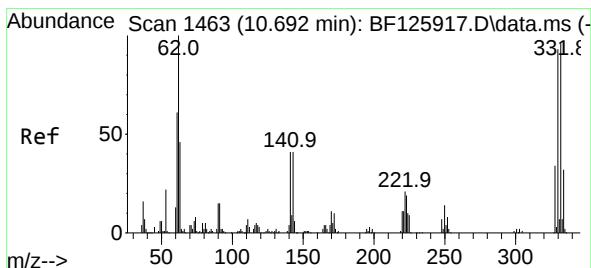
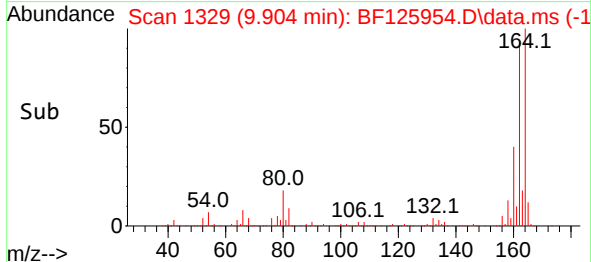
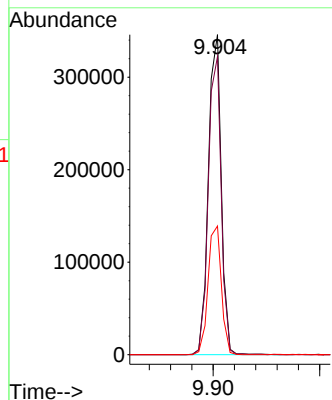
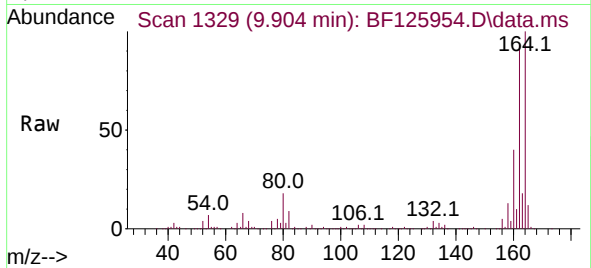




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF125954.D
Acq: 27 Oct 2021 1:58

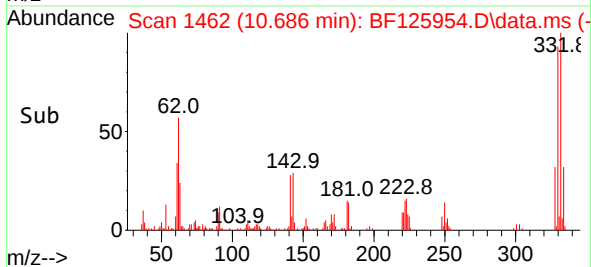
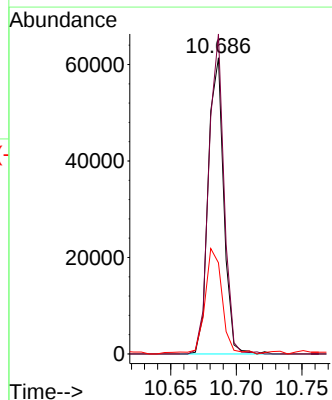
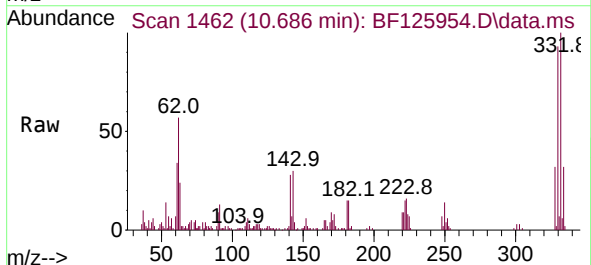
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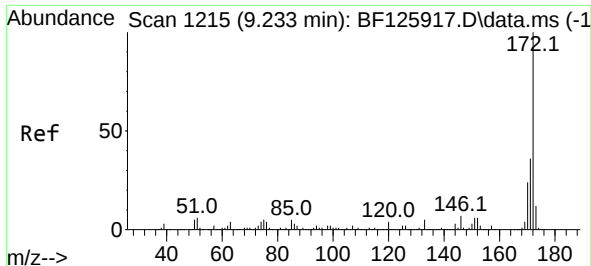
Tgt Ion:164 Resp: 290430
Ion Ratio Lower Upper
164 100
162 93.2 81.3 121.9
160 40.2 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 19.980 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF125954.D
Acq: 27 Oct 2021 1:58

Tgt Ion:330 Resp: 50586
Ion Ratio Lower Upper
330 100
332 105.8 76.2 114.4
141 39.8 44.6 66.8#

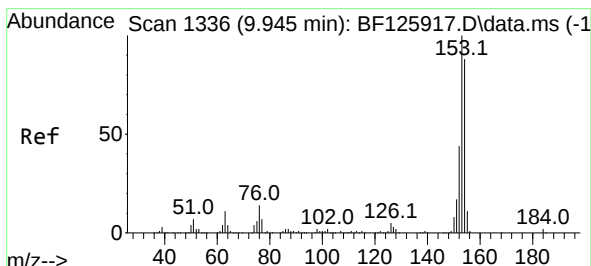
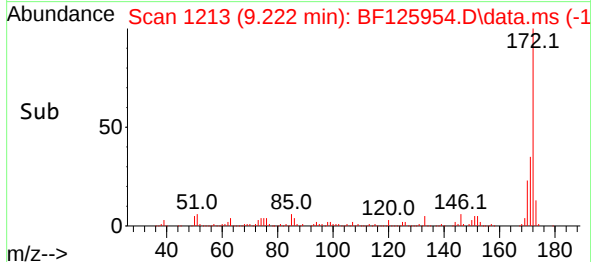
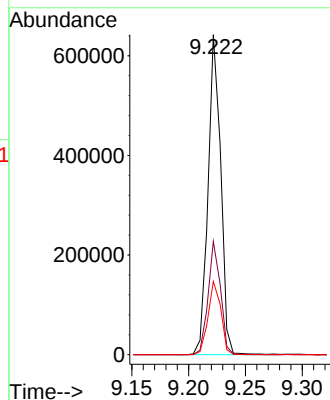
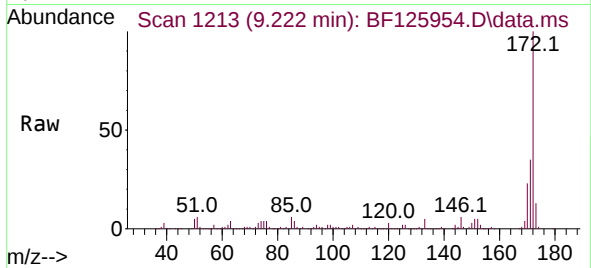




#45
2-Fluorobiphenyl
Concen: 30.238 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF125954.D
Acq: 27 Oct 2021 1:58

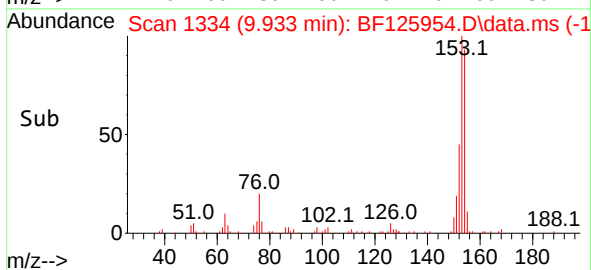
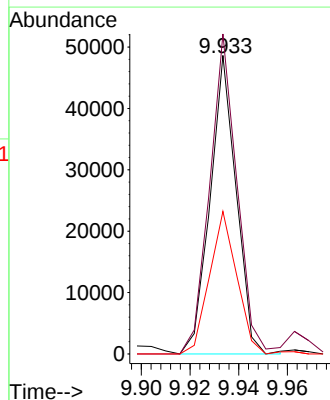
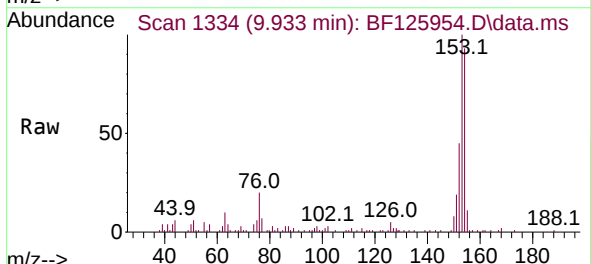
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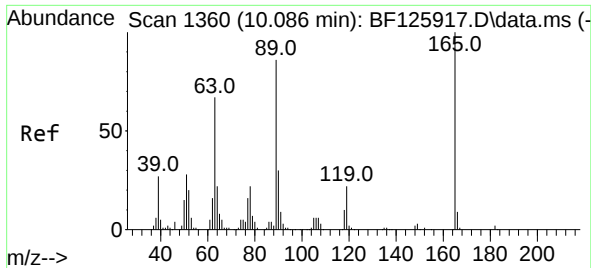
Tgt Ion:172 Resp: 496607
Ion Ratio Lower Upper
172 100
171 35.4 26.5 39.7
170 22.9 18.8 28.2



#52
Acenaphthene
Concen: 2.301 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF125954.D
Acq: 27 Oct 2021 1:58

Tgt Ion:154 Resp: 36235
Ion Ratio Lower Upper
154 100
153 107.2 89.4 134.2
152 47.7 40.5 60.7

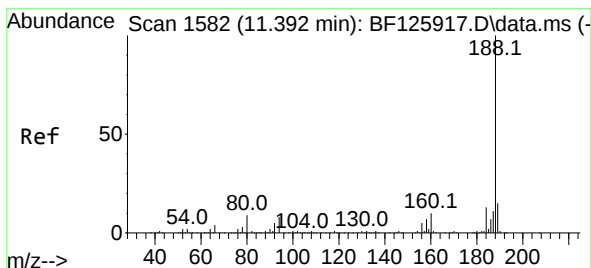
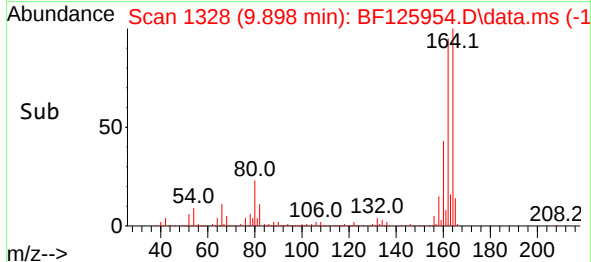
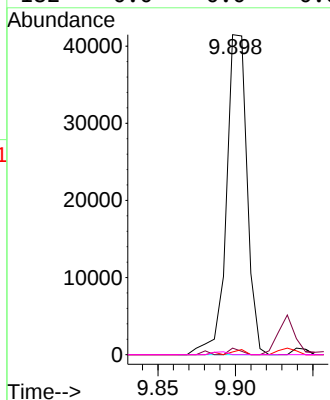
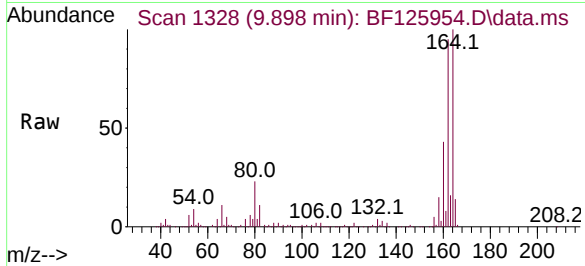




#57
2,4-Dinitrotoluene
Concen: 8.789 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.188 min
Lab File: BF125954.D
Acq: 27 Oct 2021 1:58

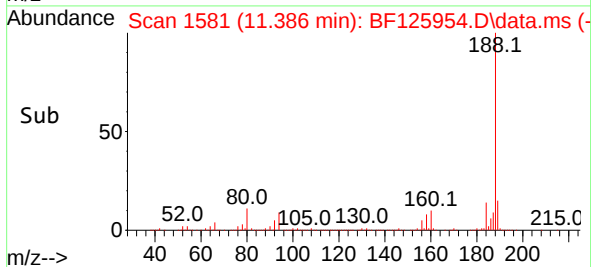
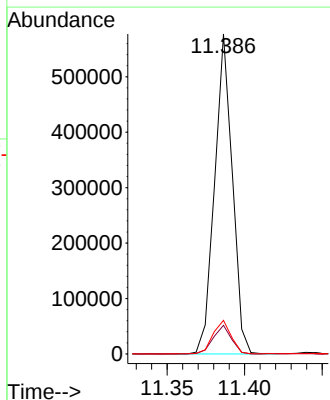
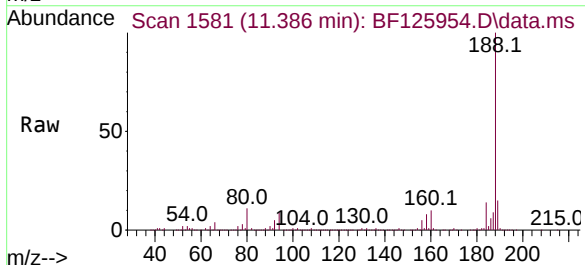
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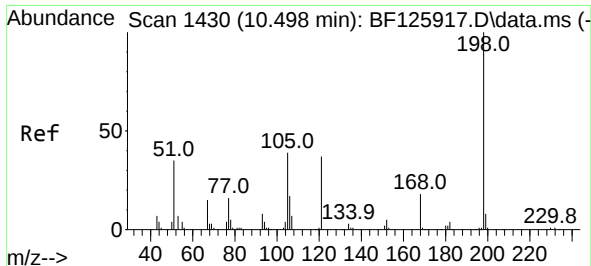
Tgt Ion:165 Resp: 38305
Ion Ratio Lower Upper
165 100
63 2.1 40.9 61.3#
89 0.9 59.7 89.5#
182 0.0 0.0 0.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF125954.D
Acq: 27 Oct 2021 1:58

Tgt Ion:188 Resp: 459891
Ion Ratio Lower Upper
188 100
94 9.0 6.7 10.1
80 10.5 7.5 11.3

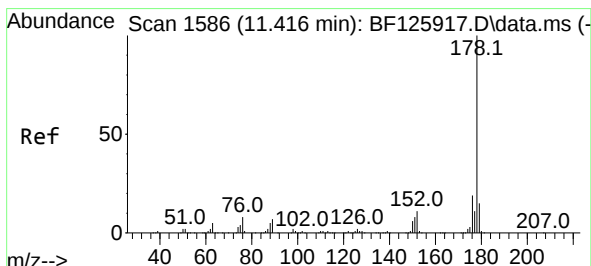
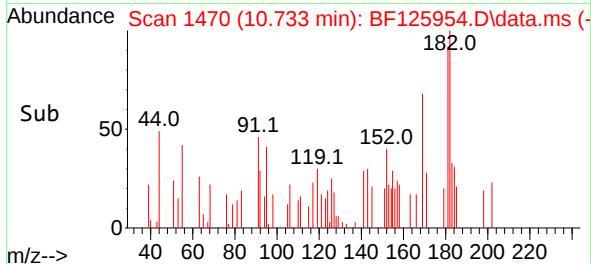
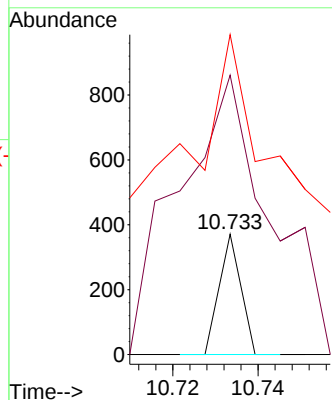
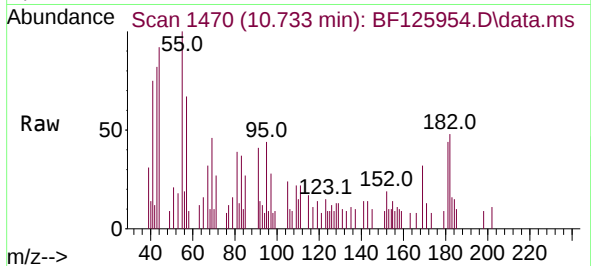




#65
4,6-Dinitro-2-methylphenol
Concen: 6.122 ng
RT: 10.733 min Scan# 1470
Delta R.T. 0.235 min
Lab File: BF125954.D
Acq: 27 Oct 2021 1:58

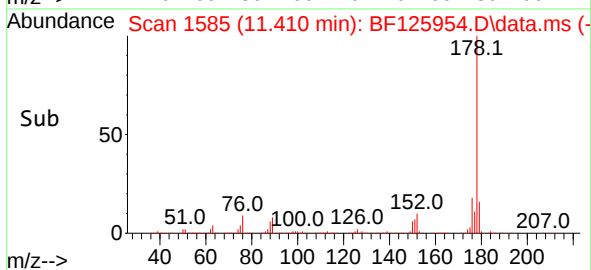
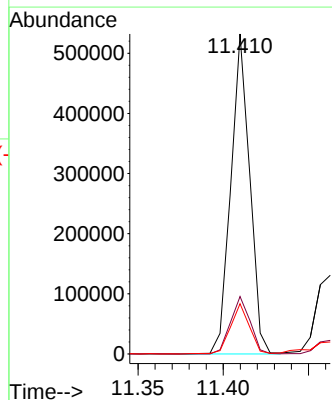
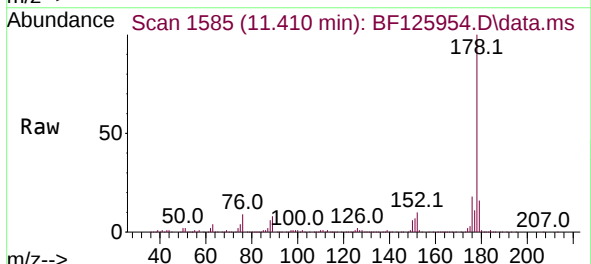
Instrument :
BNA_F
ClientSampleId :
FK-SF-02-007-B

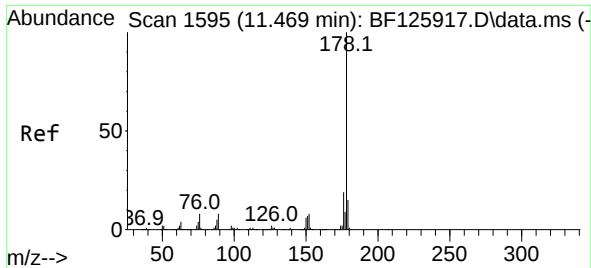
Tgt Ion:198 Resp: 131
Ion Ratio Lower Upper
198 100
51 232.1 45.3 85.3#
105 265.8 30.6 70.6#



#71
Phenanthrene
Concen: 17.180 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF125954.D
Acq: 27 Oct 2021 1:58

Tgt Ion:178 Resp: 409978
Ion Ratio Lower Upper
178 100
176 18.0 14.7 22.1
179 15.7 11.5 17.3

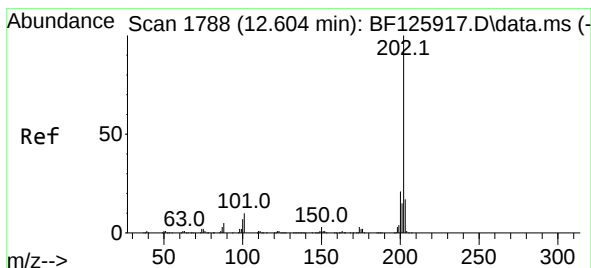
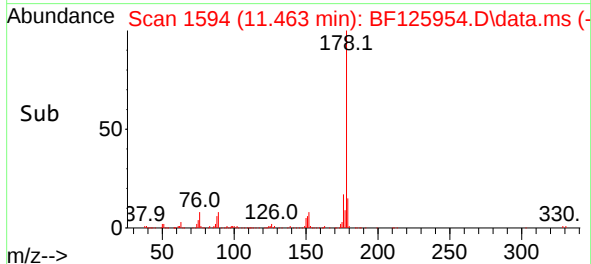
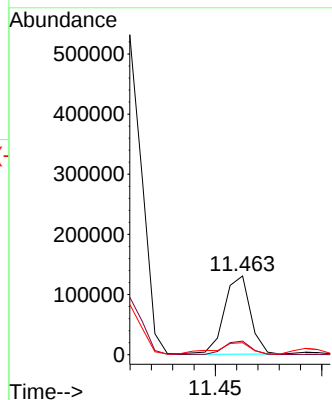
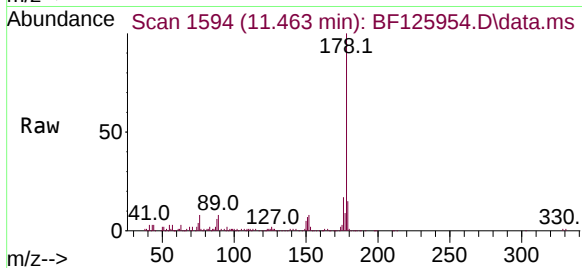




#72
 Anthracene
 Concen: 4.673 ng
 RT: 11.463 min Scan# 1594
 Delta R.T. -0.006 min
 Lab File: BF125954.D
 Acq: 27 Oct 2021 1:58

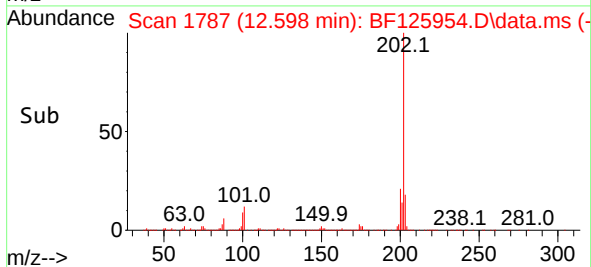
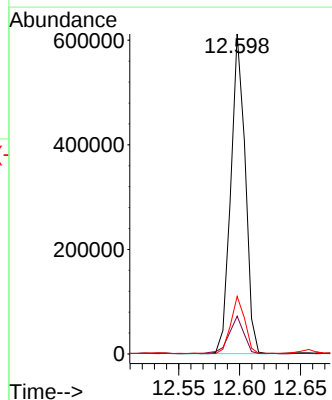
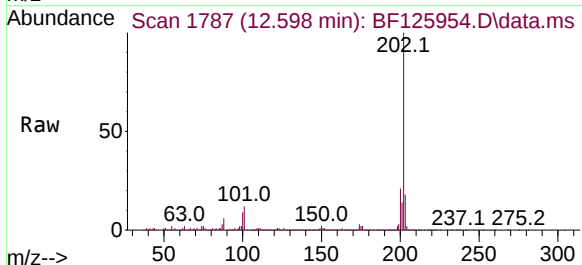
Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-02-007-B

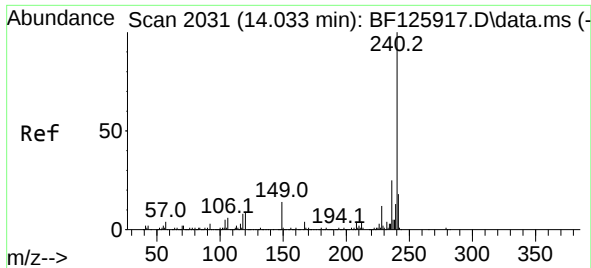
Tgt Ion:178 Resp: 111349
 Ion Ratio Lower Upper
 178 100
 176 17.4 14.3 21.5
 179 15.2 12.2 18.4



#75
 Fluoranthene
 Concen: 20.847 ng
 RT: 12.598 min Scan# 1787
 Delta R.T. -0.006 min
 Lab File: BF125954.D
 Acq: 27 Oct 2021 1:58

Tgt Ion:202 Resp: 501496
 Ion Ratio Lower Upper
 202 100
 101 11.8 0.0 30.7
 203 18.0 0.0 36.3

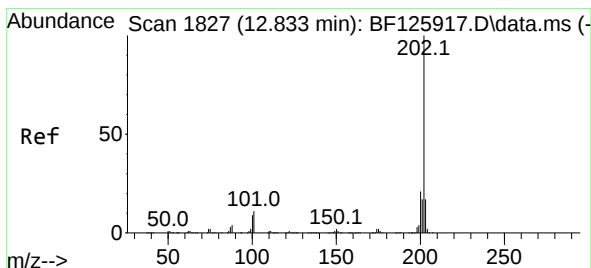
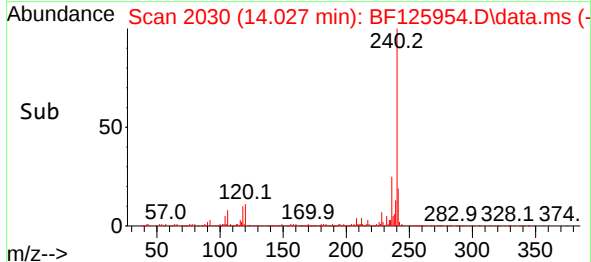
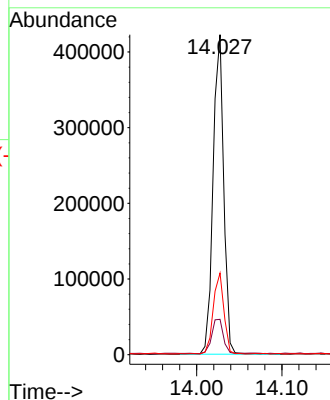
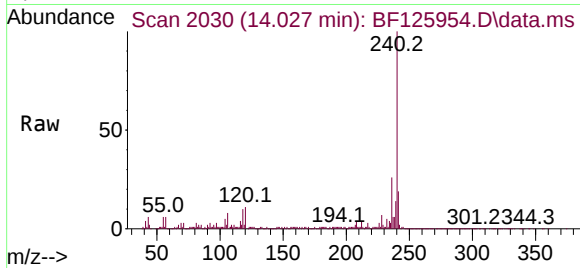




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF125954.D
Acq: 27 Oct 2021 1:58

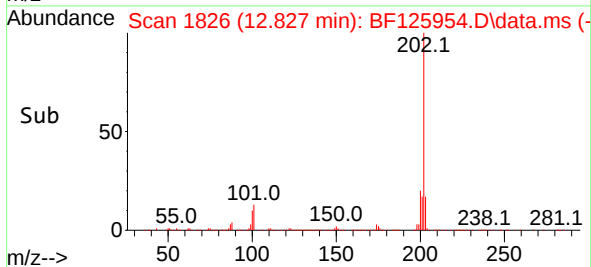
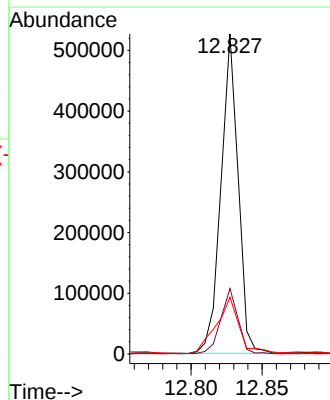
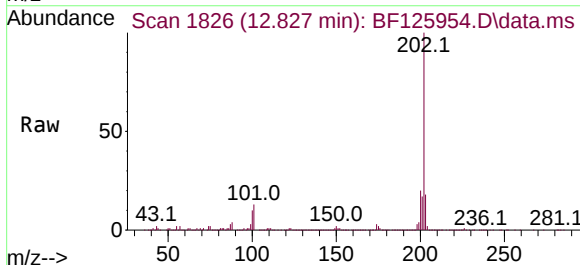
Instrument :
BNA_F
ClientSampleId :
FK-SF-02-007-B

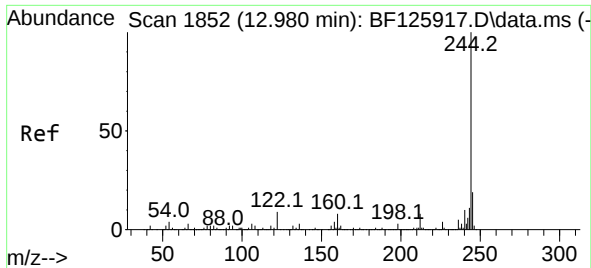
Tgt Ion:240	Resp: 366196
Ion Ratio	Lower Upper
240 100	
120 11.0	10.8 16.2
236 25.5	21.6 32.4



#78
Pyrene
Concen: 12.947 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF125954.D
Acq: 27 Oct 2021 1:58

Tgt Ion:202	Resp: 441229
Ion Ratio	Lower Upper
202 100	
200 20.4	15.3 22.9
203 17.7	13.4 20.0

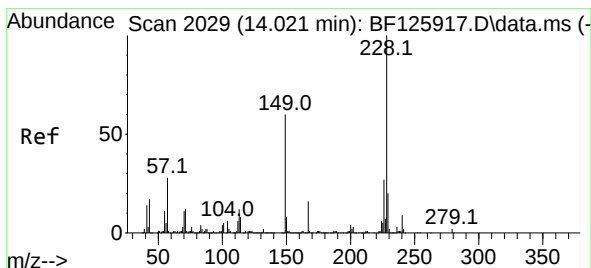
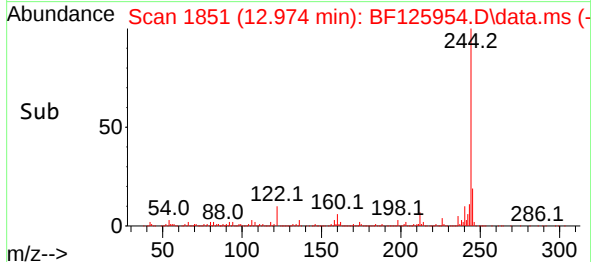
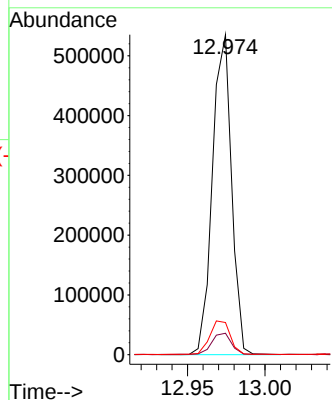
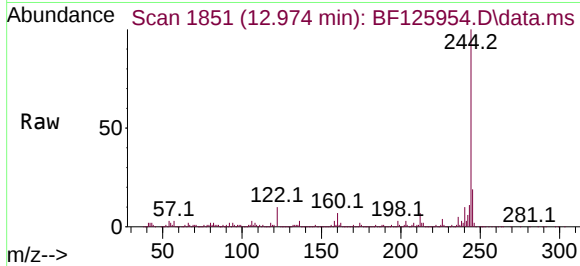




#79
 Terphenyl-d14
 Concen: 20.542 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF125954.D
 Acq: 27 Oct 2021 1:58

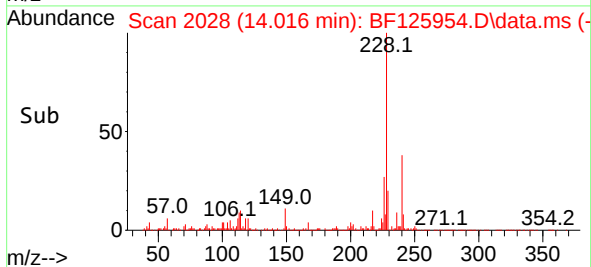
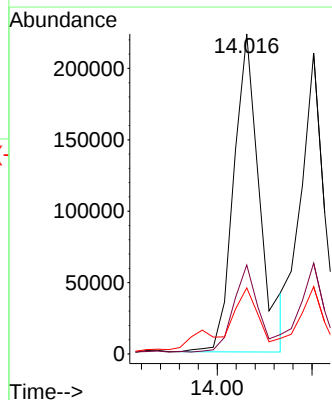
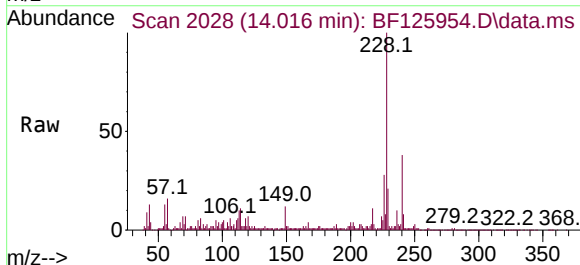
Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-02-007-B

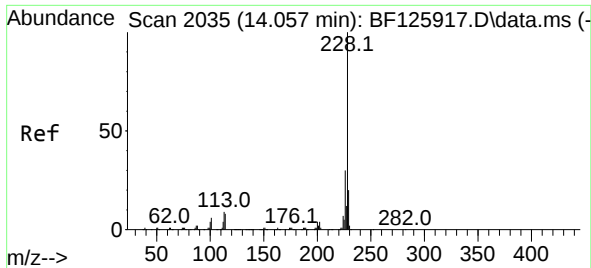
Tgt Ion:244 Resp: 459882
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.9 8.9
 122 10.1 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 8.591 ng
 RT: 14.016 min Scan# 2028
 Delta R.T. -0.006 min
 Lab File: BF125954.D
 Acq: 27 Oct 2021 1:58

Tgt Ion:228 Resp: 211746
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.6 32.4
 229 20.6 15.6 23.4

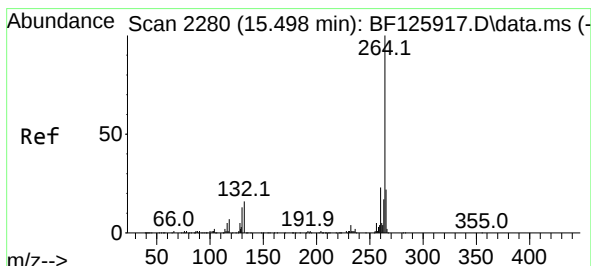
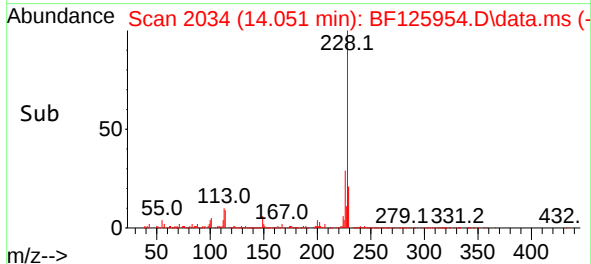
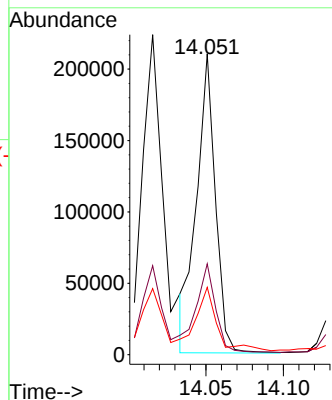
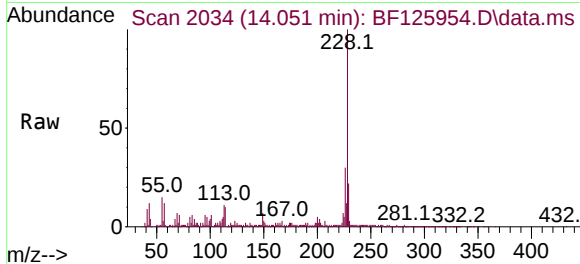




#83
Chrysene
Concen: 7.113 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF125954.D
Acq: 27 Oct 2021 1:58

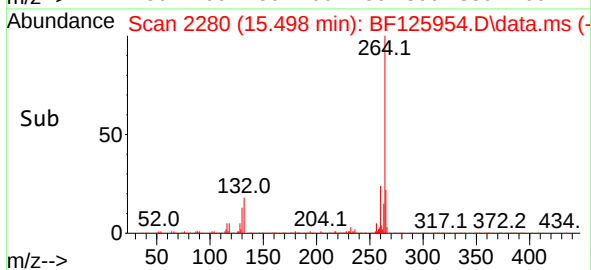
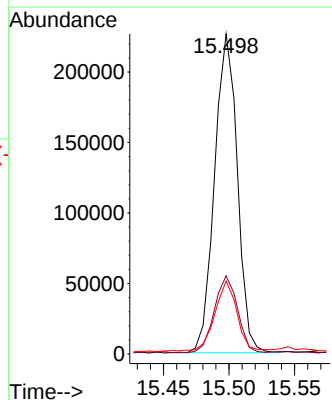
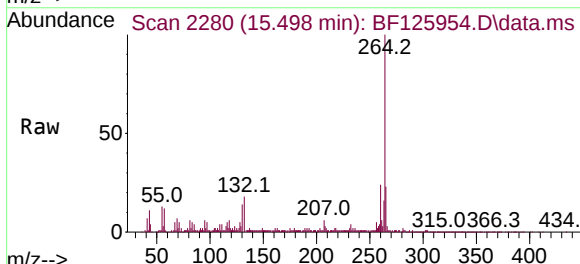
Instrument :
BNA_F
ClientSampleId :
FK-SF-02-007-B

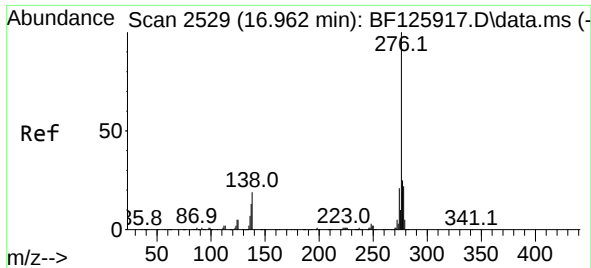
Tgt Ion:	228	Resp:	177385
Ion Ratio	Lower	Upper	
228	100		
226	30.2	22.6	34.0
229	22.4	15.9	23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.000 min
Lab File: BF125954.D
Acq: 27 Oct 2021 1:58

Tgt Ion:	264	Resp:	272934
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.6	29.4
265	22.8	17.2	25.8

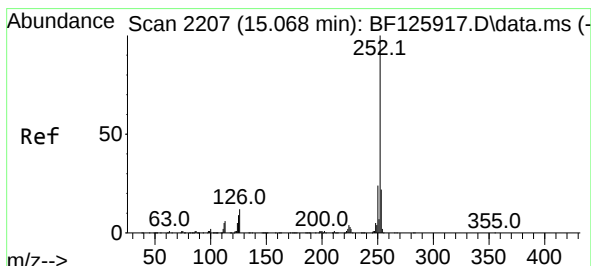
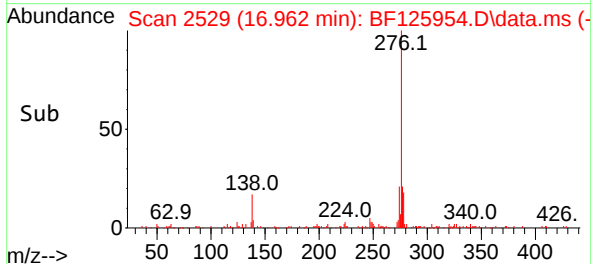
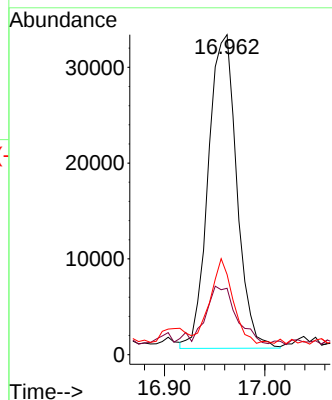
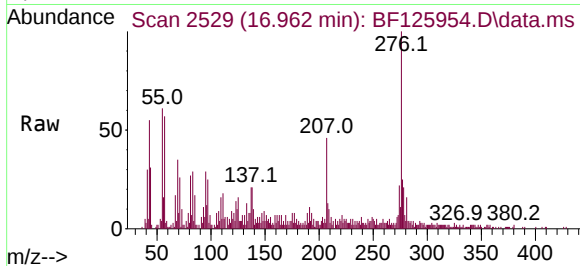




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.293 ng
RT: 16.962 min Scan# 2529
Delta R.T. 0.000 min
Lab File: BF125954.D
Acq: 27 Oct 2021 1:58

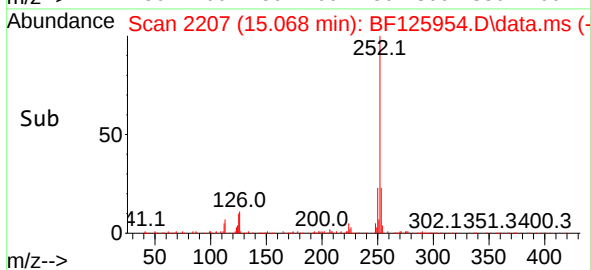
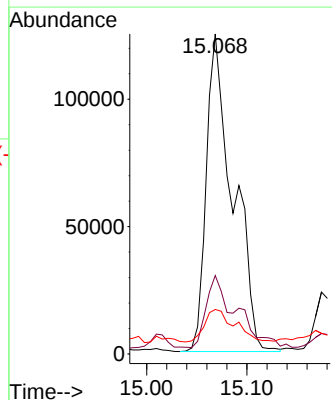
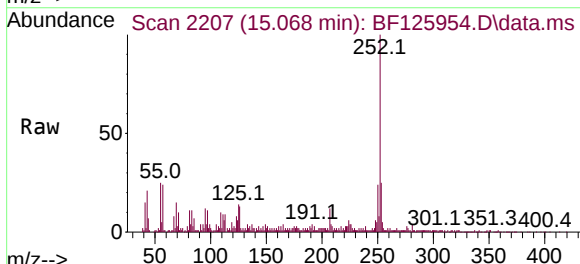
Instrument :
BNA_F
ClientSampleId :
FK-SF-02-007-B

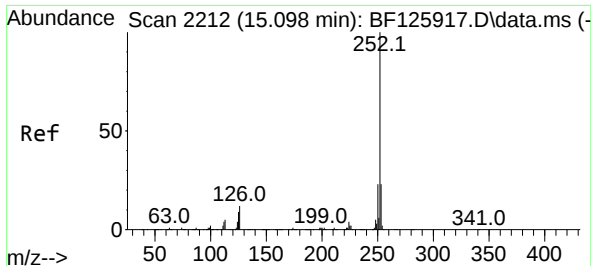
Tgt Ion:276 Resp: 64747
Ion Ratio Lower Upper
276 100
138 20.0 24.1 36.1#
277 20.6 18.8 28.2



#88
Benzo(b)fluoranthene
Concen: 12.836 ng
RT: 15.068 min Scan# 2207
Delta R.T. 0.000 min
Lab File: BF125954.D
Acq: 27 Oct 2021 1:58

Tgt Ion:252 Resp: 231246
Ion Ratio Lower Upper
252 100
253 24.5 16.8 25.2
125 13.9 9.8 14.8





#89

Benzo(k)fluoranthene

Concen: 13.363 ng

RT: 15.068 min Scan# 2207

Delta R.T. -0.029 min

Lab File: BF125954.D

Acq: 27 Oct 2021 1:58

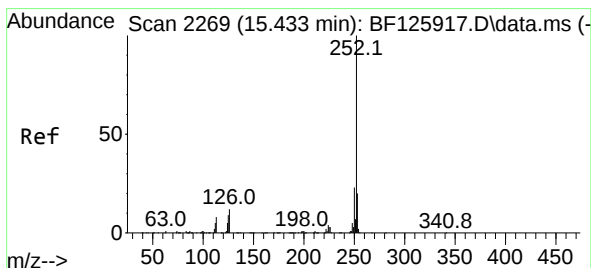
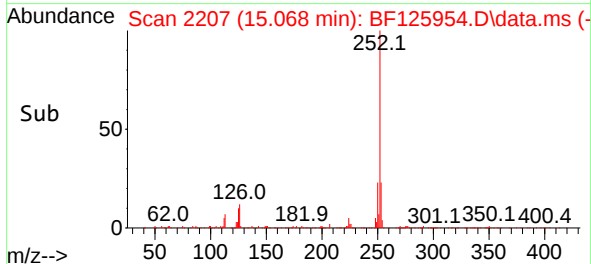
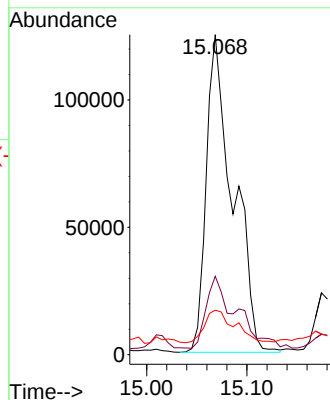
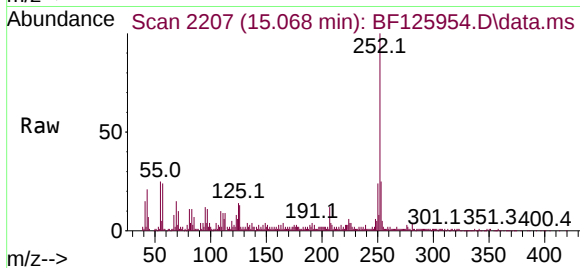
Instrument :

BNA_F

ClientSampleId :

FK-SF-02-007-B

Tgt Ion:252	Resp:	231246
Ion Ratio	Lower	Upper
252	100	
253	24.5	17.8 26.8
125	13.9	7.2 10.8#



#90

Benzo(a)pyrene

Concen: 8.292 ng

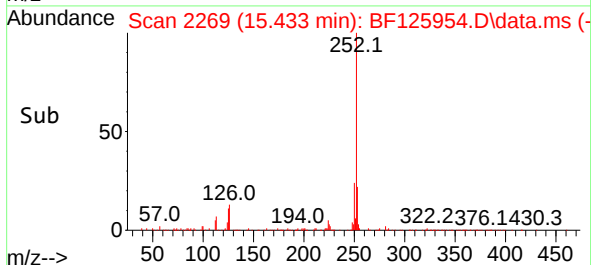
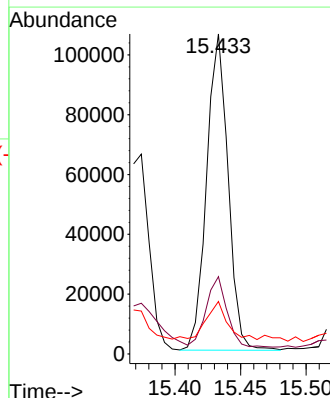
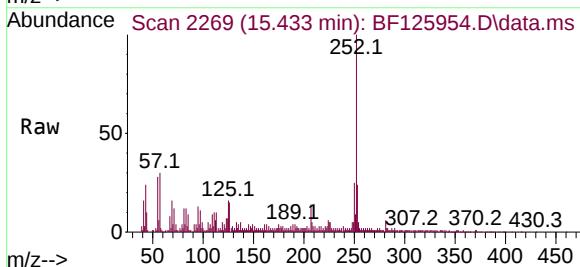
RT: 15.433 min Scan# 2269

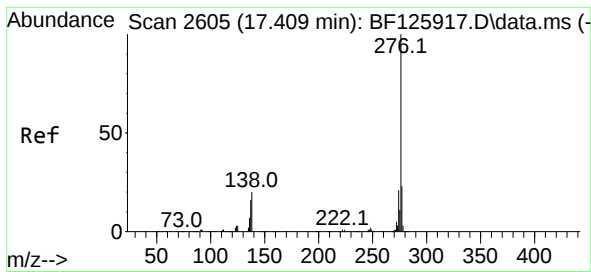
Delta R.T. 0.000 min

Lab File: BF125954.D

Acq: 27 Oct 2021 1:58

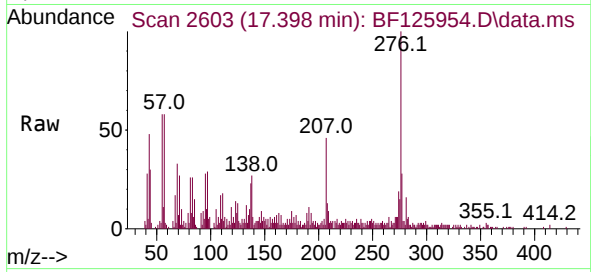
Tgt Ion:252	Resp:	120600
Ion Ratio	Lower	Upper
252	100	
253	24.1	18.4 27.6
125	16.4	9.9 14.9#





#92
 Benzo(g,h,i)perylene
 Concen: 3.680 ng
 RT: 17.398 min Scan# 2603
 Delta R.T. -0.012 min
 Lab File: BF125954.D
 Acq: 27 Oct 2021 1:58

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



Tgt Ion:	276	Resp:	61238
Ion Ratio	Lower	Upper	
276	100		
277	27.7	22.0	33.0
138	27.1	22.2	33.4

