

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

Manual Integrations
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mohammad
 10/27/2021 11:49:20 AM

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
52) Acenaphthene	9.933	154	36235	2.301	ng	96
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	177978m	9.879	ng	
89) Benzo(k)fluoranthene	15.092	252	54572m	3.154	ng	
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

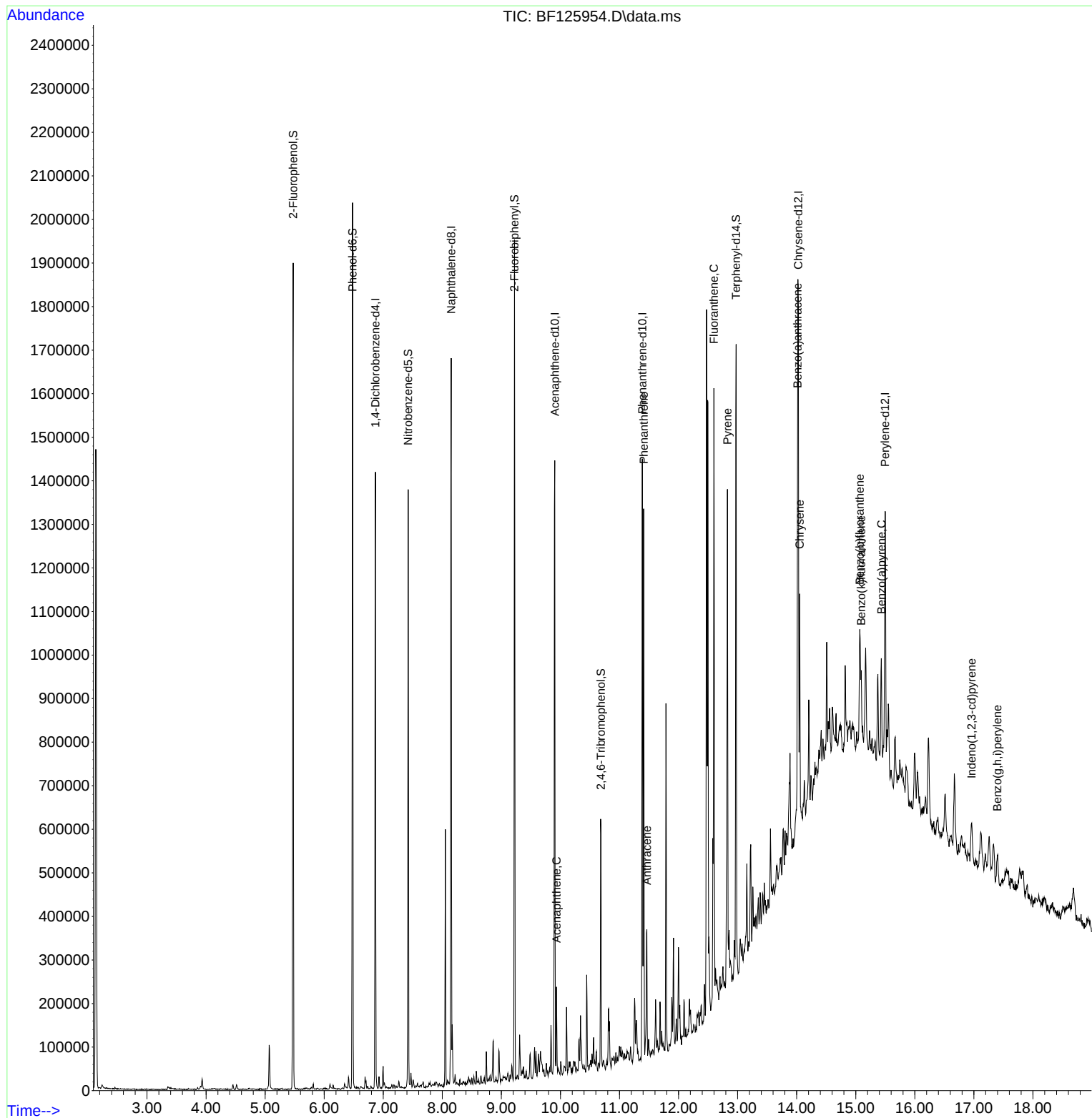
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102621\
Data File : BF125954.D
Acq On : 27 Oct 2021 1:58
Operator : JU/CG
Sample : M4324-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

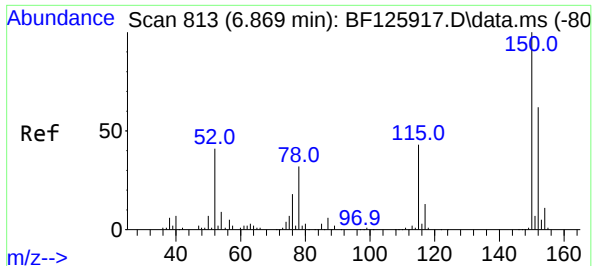
Instrument :
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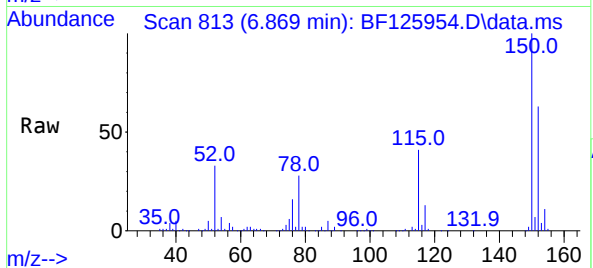
Quant Time: Oct 27 09:05:43 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 25 18:49:16 2021
Response via : Initial Calibration





#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

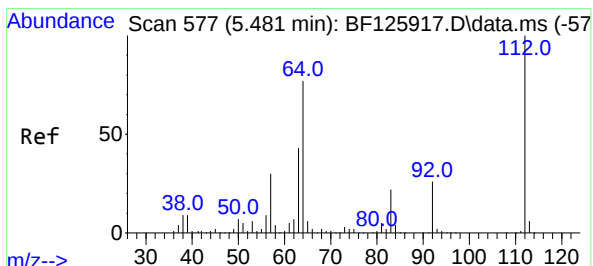
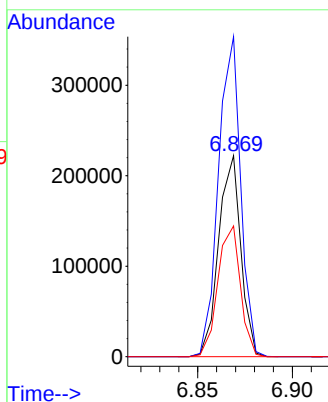
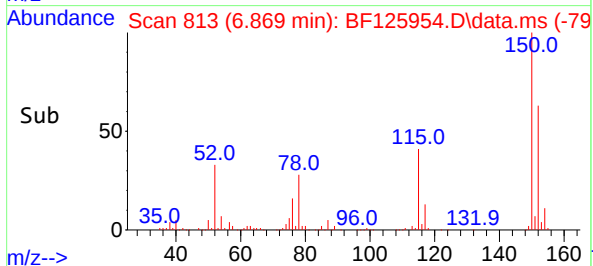
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BNA_F
ClientSampleId :
FK-SF-02-007-B



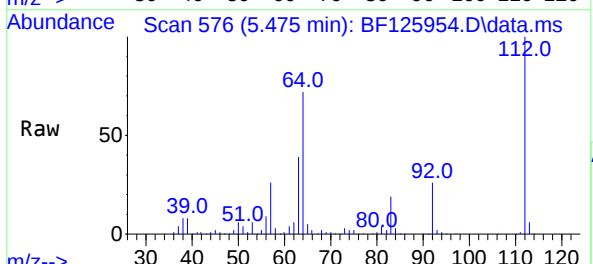
Tgt Ion:152 Resp: 180537
Ion Ratio Lower Upper
152 100
150 159.2 117.6 176.4
115 65.1 47.1 70.7

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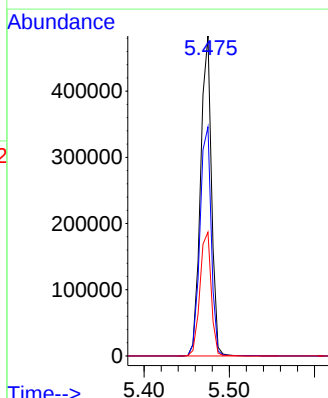
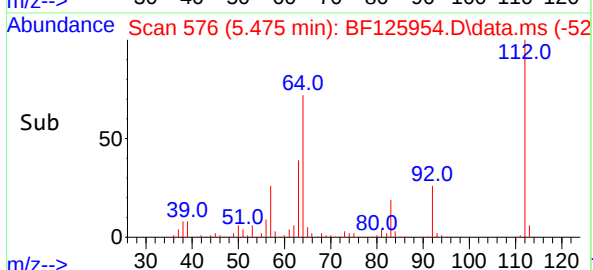
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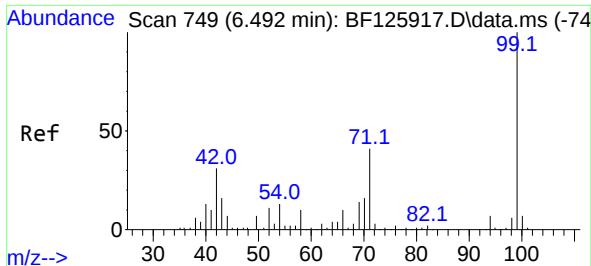


#5
2-Fluorophenol
Concen: 35.579 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF125954.D
Acq: 27 Oct 2021 1:58



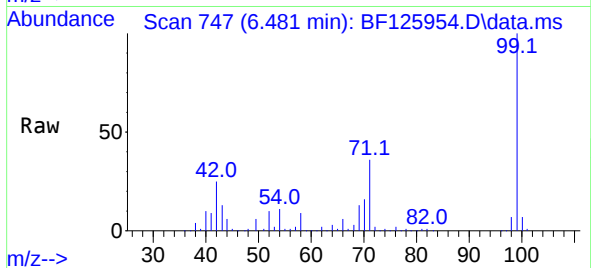
Tgt Ion:112 Resp: 431230
Ion Ratio Lower Upper
112 100
64 71.5 44.2 66.2#
63 38.7 26.2 39.2





#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

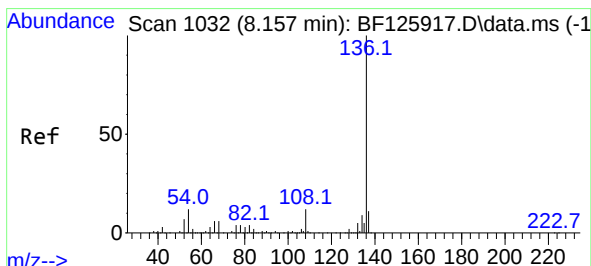
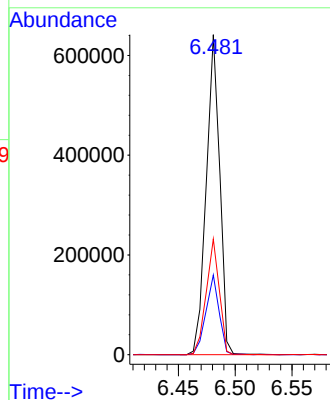
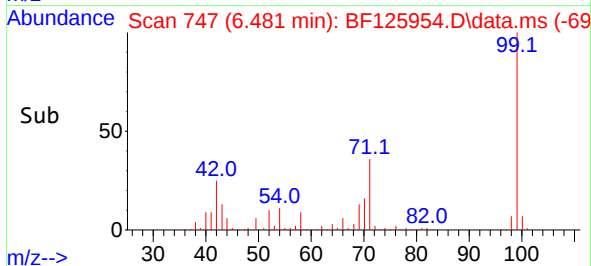
Instrument :
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ClientSampleId :
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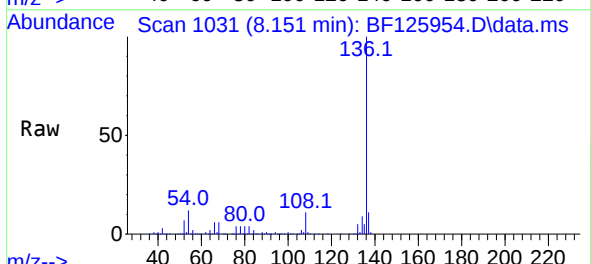
Tgt Ion: 99 Resp: 525734
Ion Ratio Lower Upper
99 100
42 24.9 23.5 35.3
71 36.2 25.6 38.4

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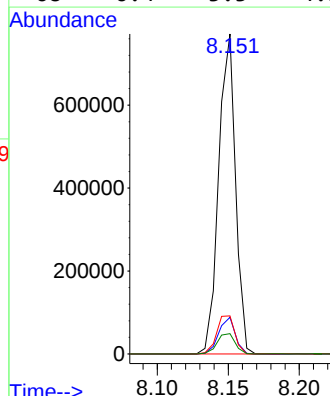
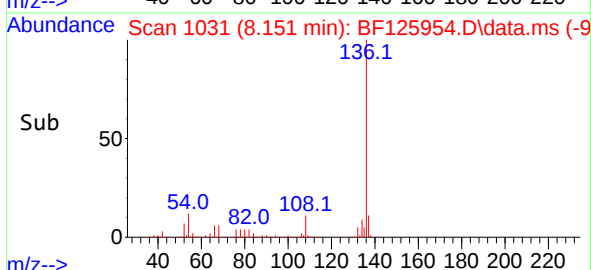
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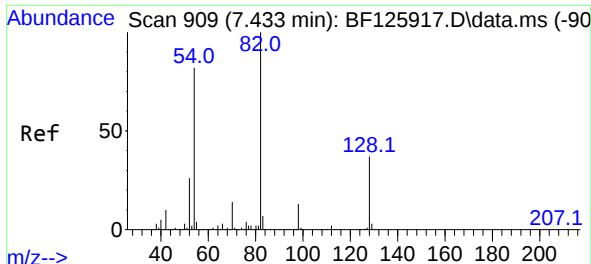


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF125954.D
Acq: 27 Oct 2021 1:58



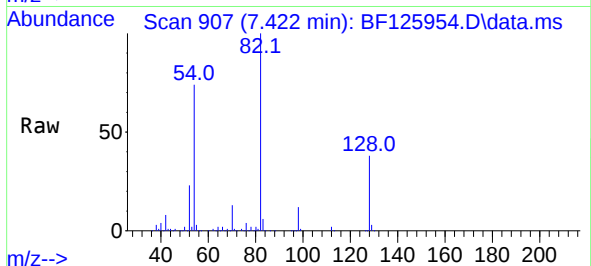
Tgt Ion: 136 Resp: 635997
Ion Ratio Lower Upper
136 100
137 11.4 9.8 14.6
54 11.9 6.4 9.6#
68 6.4 3.3 4.9#





#23
Nitrobenzene-d5
Concen: 26.405 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF125954.D
Acq: 27 Oct 2021 1:58

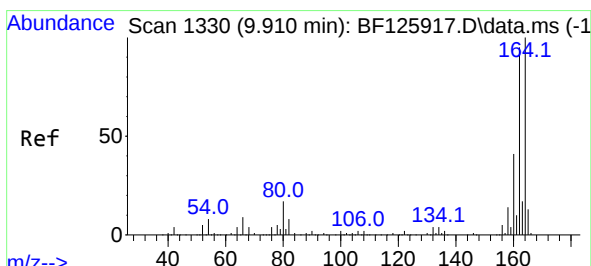
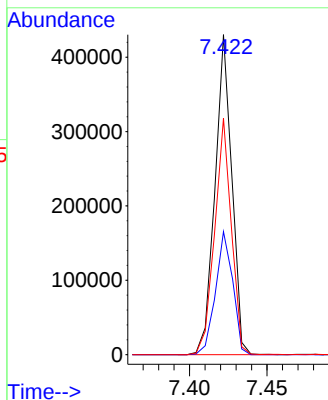
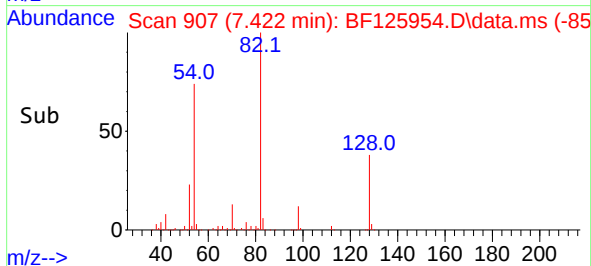
Instrument :
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ClientSampleId :
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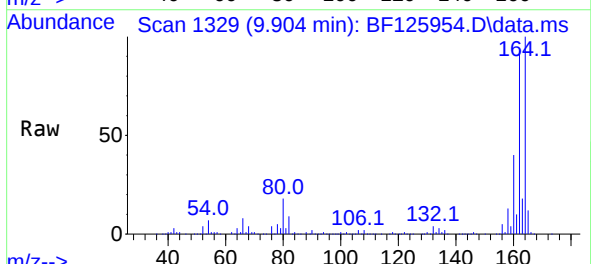
Tgt Ion: 82 Resp: 325118
Ion Ratio Lower Upper
82 100
128 38.5 40.6 60.8#
54 73.9 49.6 74.4

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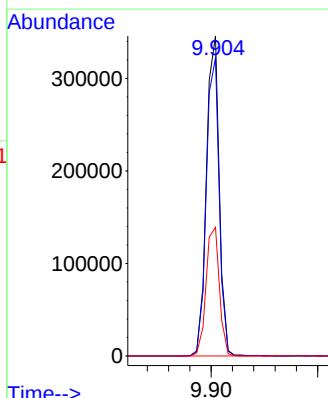
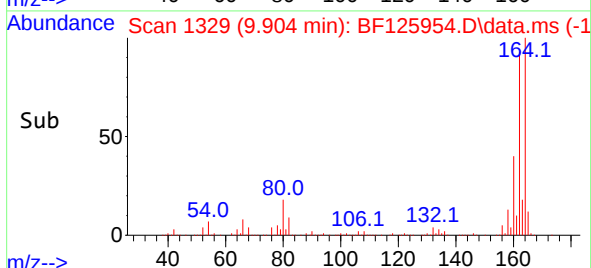
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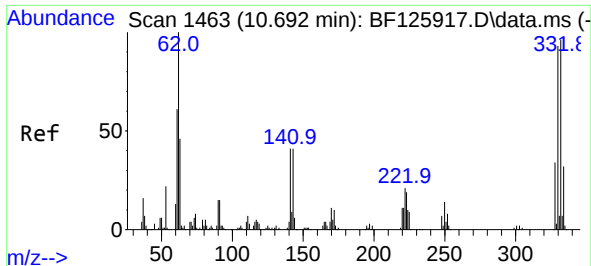


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF125954.D
Acq: 27 Oct 2021 1:58



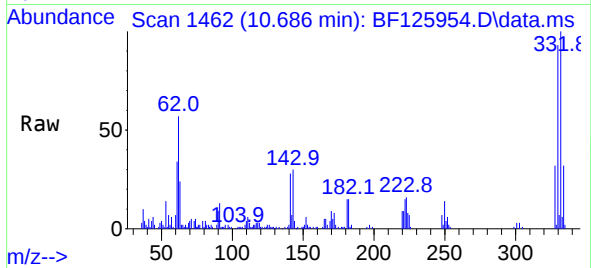
Tgt Ion: 164 Resp: 290430
Ion Ratio Lower Upper
164 100
162 93.2 81.3 121.9
160 40.2 38.0 57.0





#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

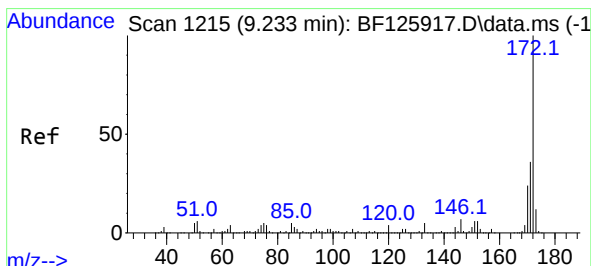
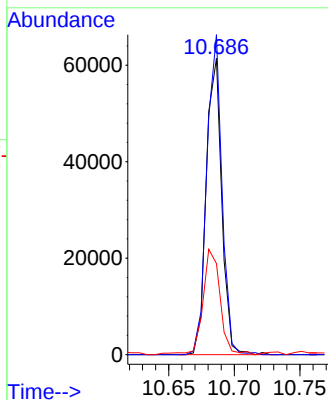
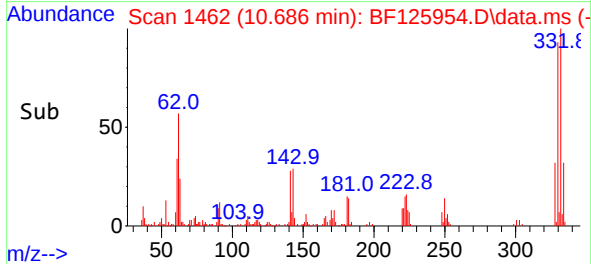
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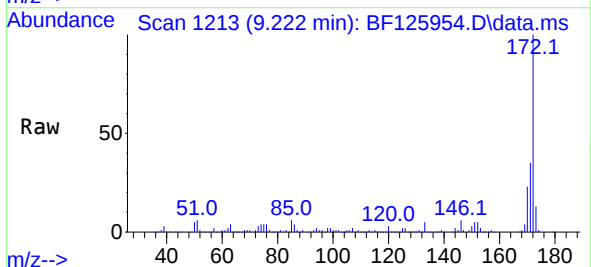
Tgt Ion:330 Resp: 50586
Ion Ratio Lower Upper
330 100
332 105.8 76.2 114.4
141 39.8 44.6 66.8#

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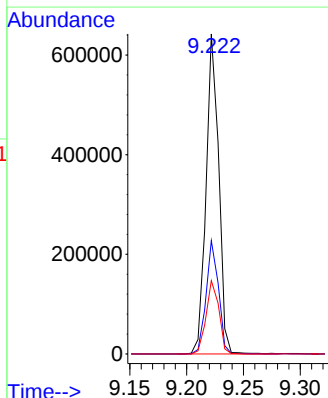
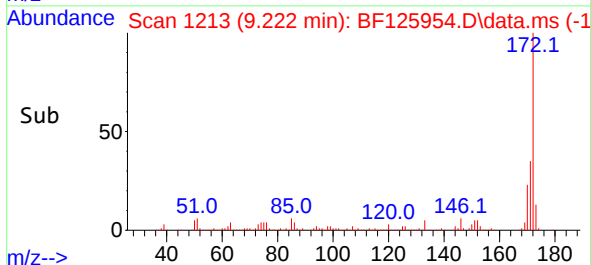
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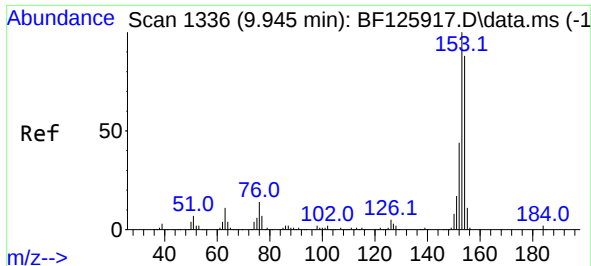


#45
2-Fluorobiphenyl
Concen: 30.238 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF125954.D
Acq: 27 Oct 2021 1:58



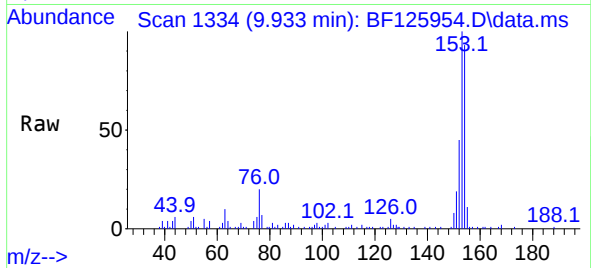
Tgt Ion:172 Resp: 496607
Ion Ratio Lower Upper
172 100
171 35.4 26.5 39.7
170 22.9 18.8 28.2





#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

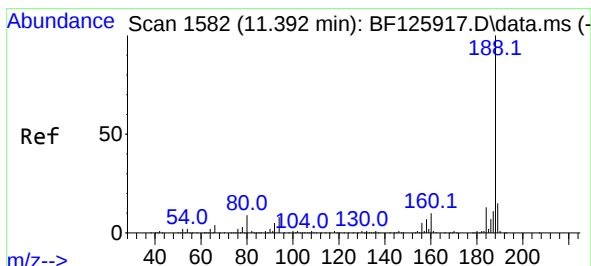
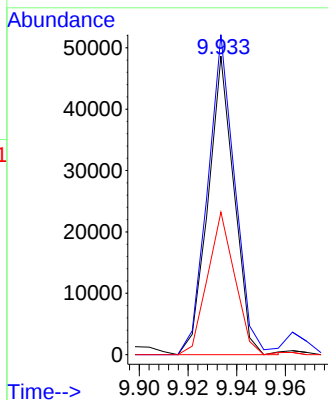
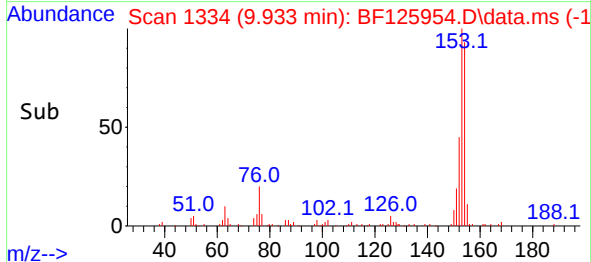
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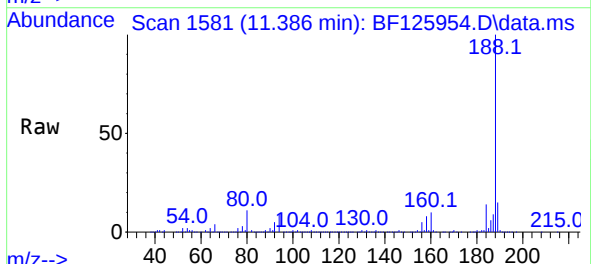
Tgt Ion:154 Resp: 36235
Ion Ratio Lower Upper
154 100
153 107.2 89.4 134.2
152 47.7 40.5 60.7

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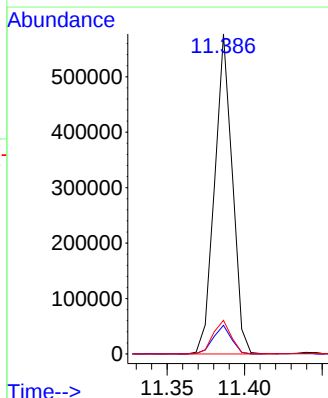
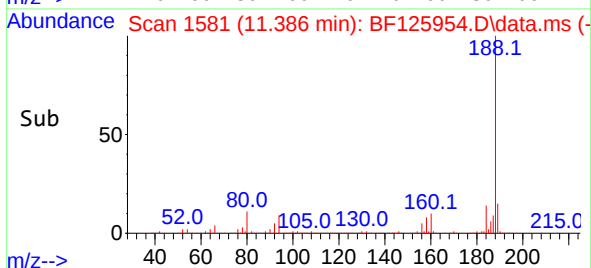
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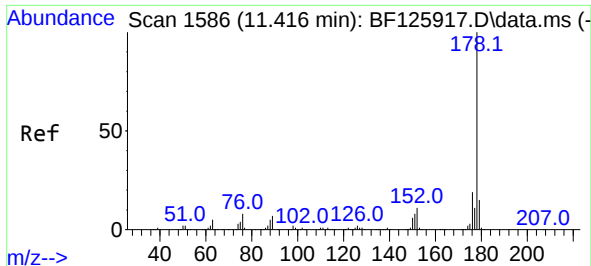


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF125954.D
Acq: 27 Oct 2021 1:58



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





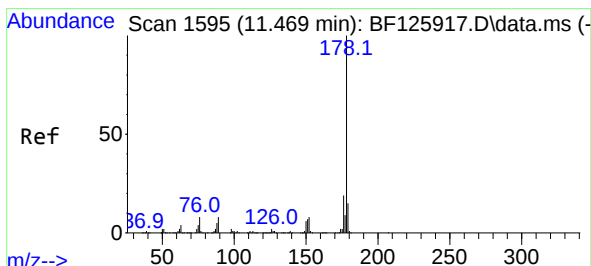
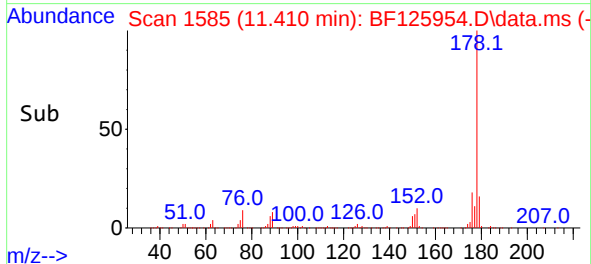
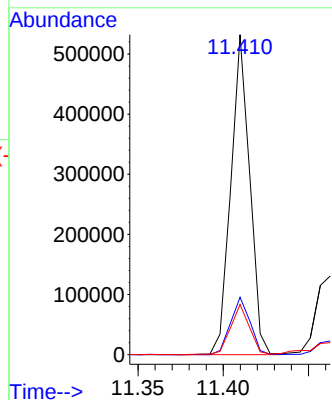
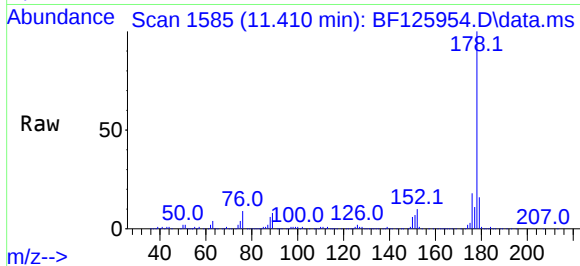
#71
Phenanthrene
Concen: 17.180 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF125954.D
Acq: 27 Oct 2021 1:58

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

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

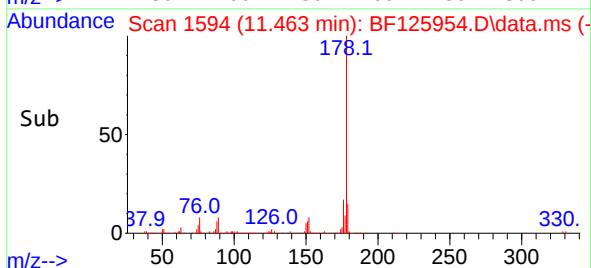
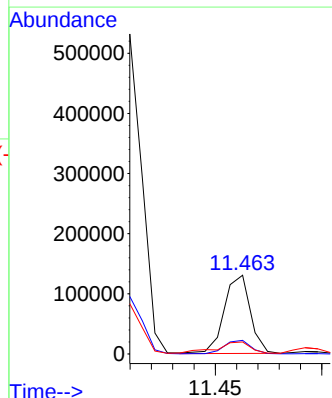
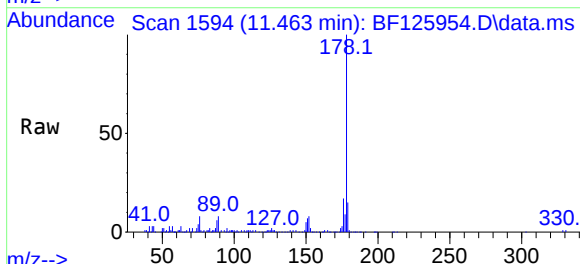
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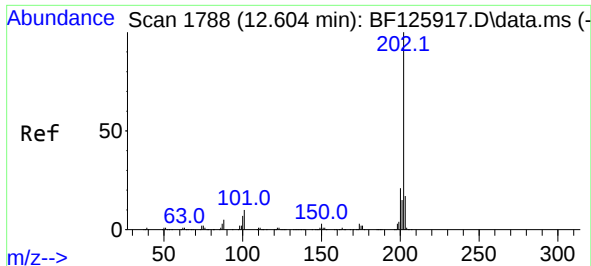
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#72
Anthracene
Concen: 4.673 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BF125954.D
Acq: 27 Oct 2021 1:58

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





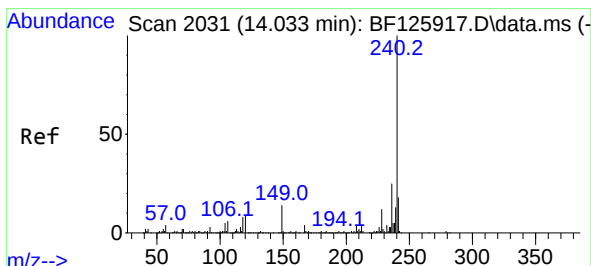
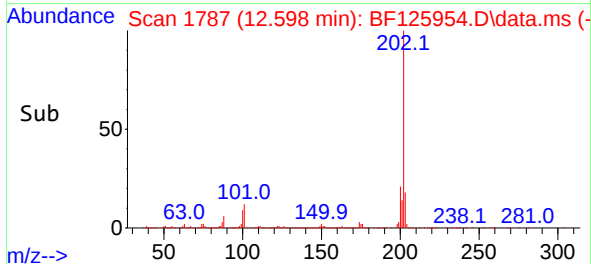
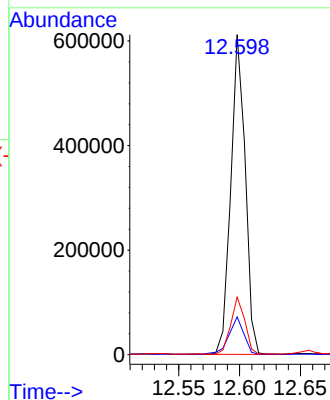
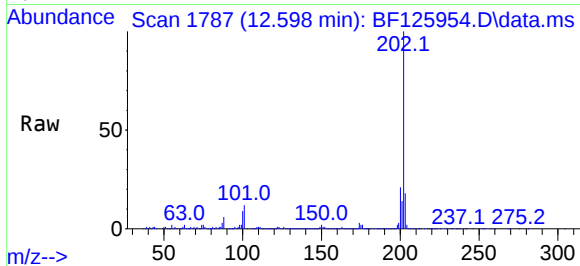
#75
Fluoranthene
Concen: 20.847 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF125954.D
Acq: 27 Oct 2021 1:58

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

Instrument :
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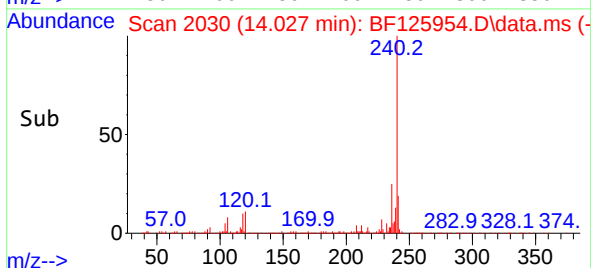
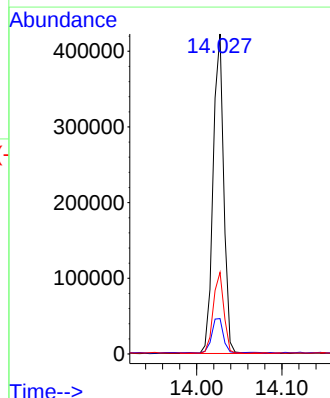
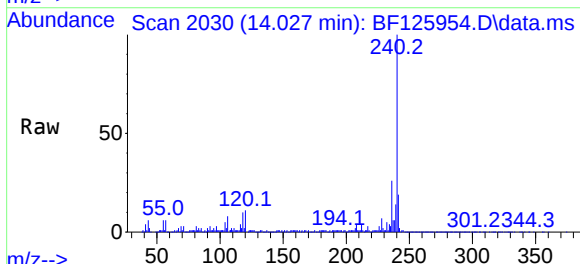
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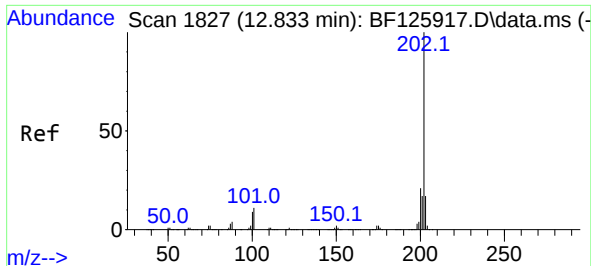
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF125954.D
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Tgt Ion:240 Resp: 366196
Ion Ratio Lower Upper
240 100
120 11.0 10.8 16.2
236 25.5 21.6 32.4





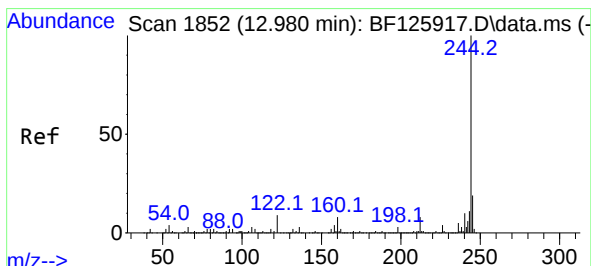
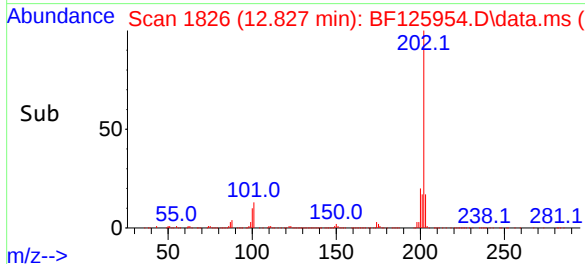
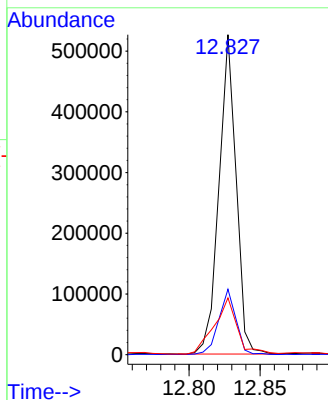
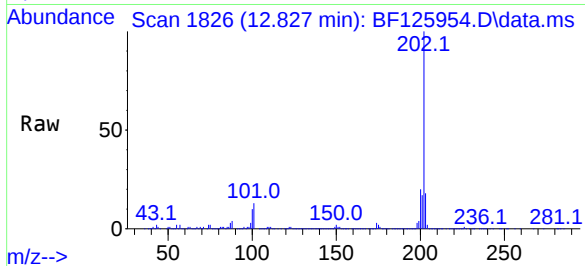
#78
Pyrene
Concen: 12.947 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF125954.D
Acq: 27 Oct 2021 1:58

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

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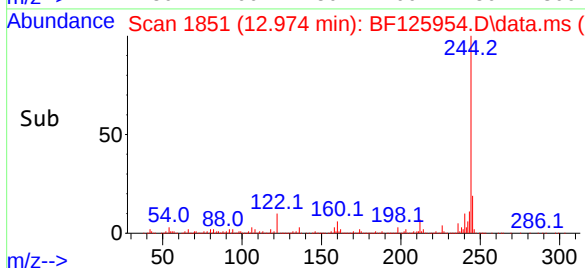
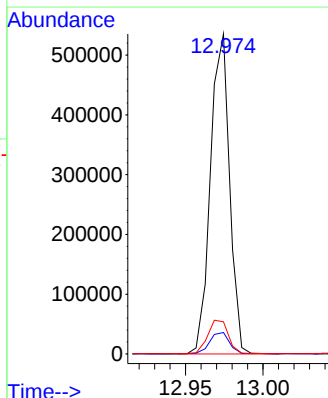
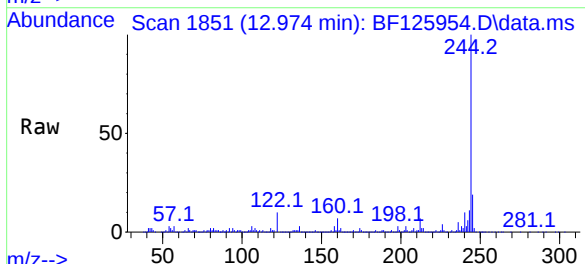
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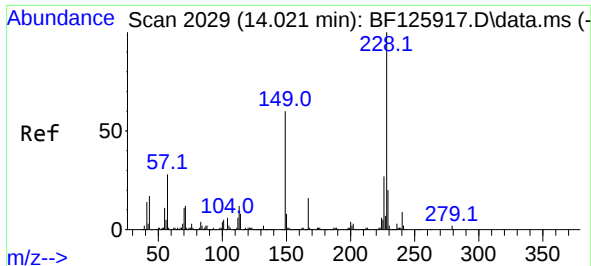
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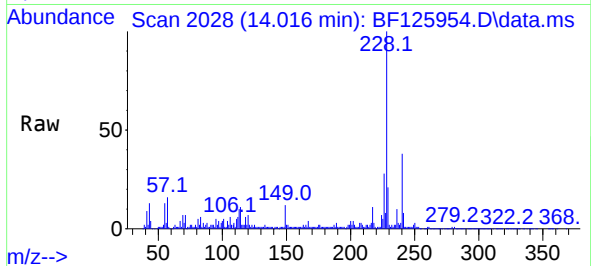
#79
Terphenyl-d14
Concen: 20.542 ng
RT: 12.974 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF125954.D
Acq: 27 Oct 2021 1:58

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

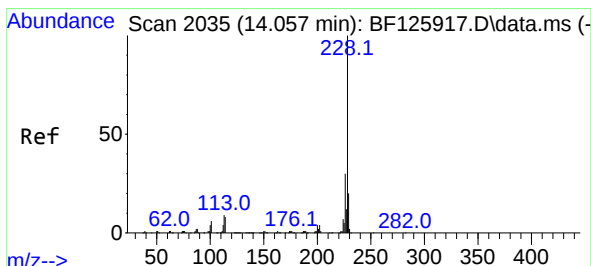
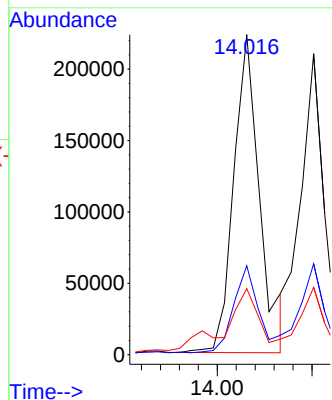
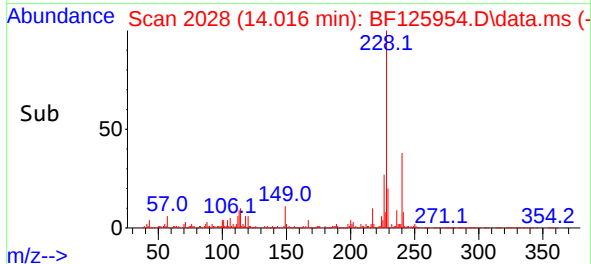




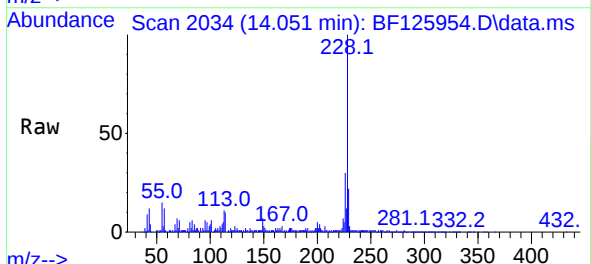
#81
Benzo(a)anthracene
Concen: 8.591 ng
RT: 14.016 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF125954.D
Acq: 27 Oct 2021 1:58



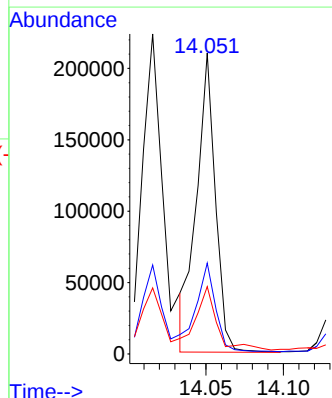
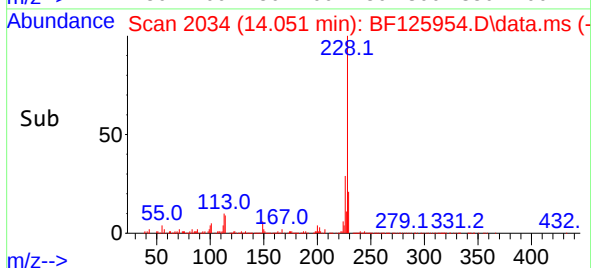
Tgt Ion:228 Resp: 211746
Ion Ratio Lower Upper
228 100
226 27.8 21.6 32.4
229 20.6 15.6 23.4



#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



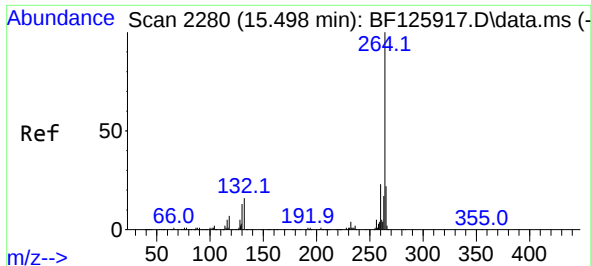
Tgt Ion:228 Resp: 177385
Ion Ratio Lower Upper
228 100
226 30.2 22.6 34.0
229 22.4 15.9 23.9



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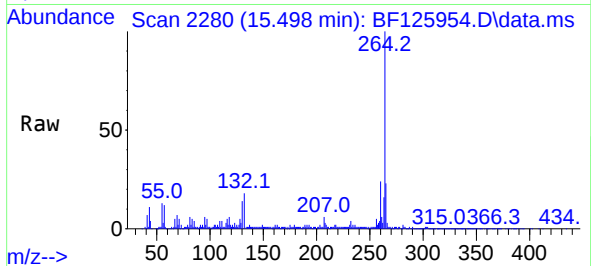
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.000 min
Lab File: BF125954.D
Acq: 27 Oct 2021 1:58

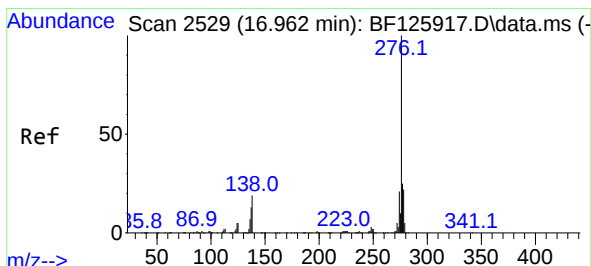
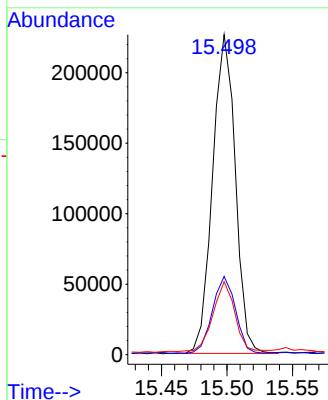
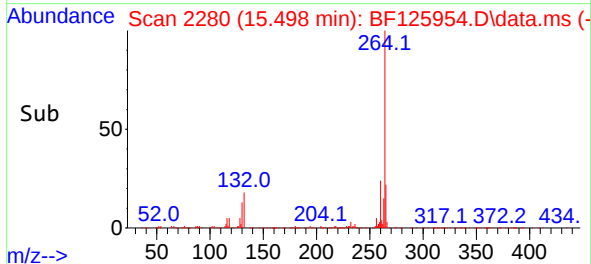
Instrument :
BNA_F
ClientSampleId :
FK-SF-02-007-B



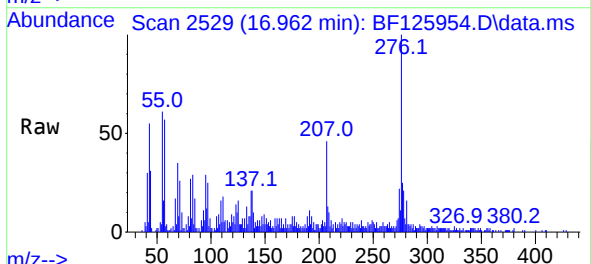
Tgt Ion:264 Resp: 272934
Ion Ratio Lower Upper
264 100
260 24.5 19.6 29.4
265 22.8 17.2 25.8

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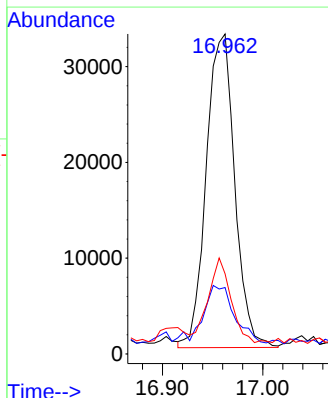
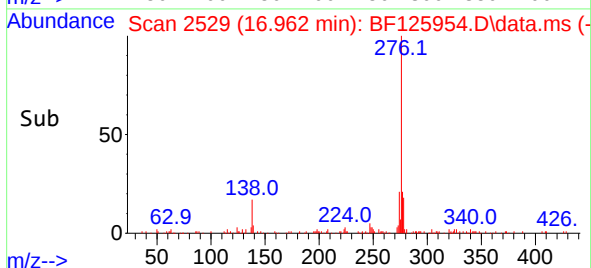
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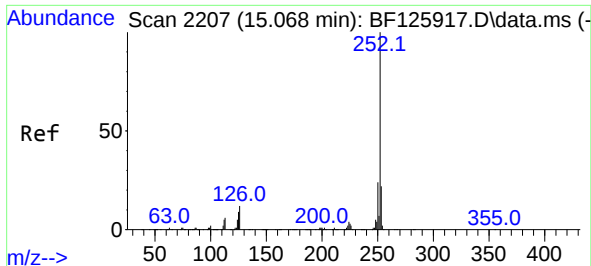


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.293 ng
RT: 16.962 min Scan# 2529
Delta R.T. 0.000 min
Lab File: BF125954.D
Acq: 27 Oct 2021 1:58

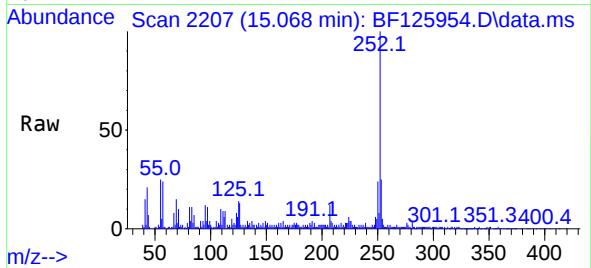


Tgt Ion:276 Resp: 64747
Ion Ratio Lower Upper
276 100
138 20.0 24.1 36.1#
277 20.6 18.8 28.2

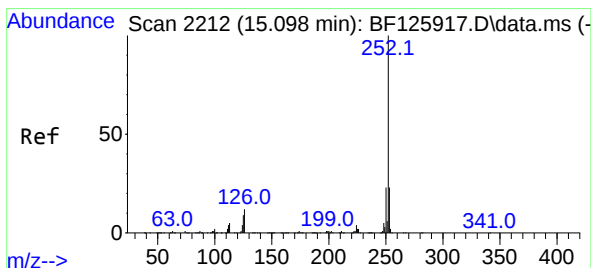
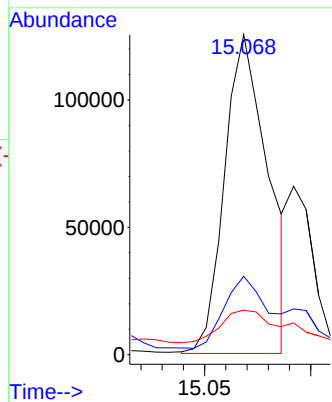
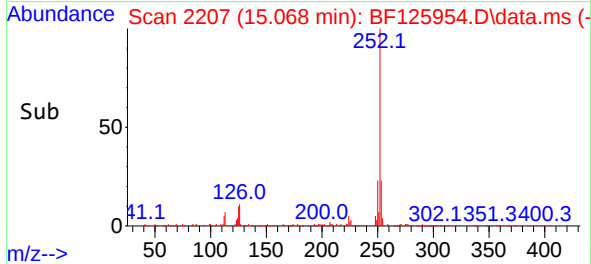




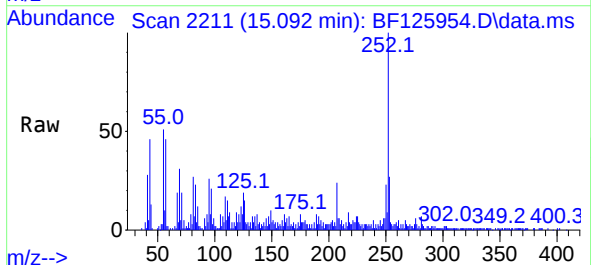
#88
Benzo(b)fluoranthene
Concen: 9.879 ng m
RT: 15.068 min Scan# 2207
Delta R.T. 0.000 min
Lab File: BF125954.D
Acq: 27 Oct 2021 1:58



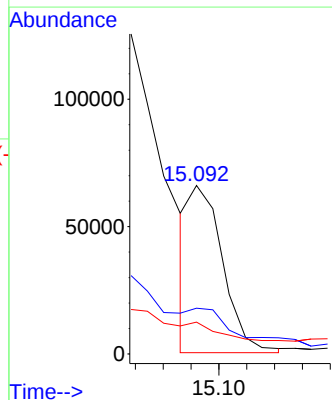
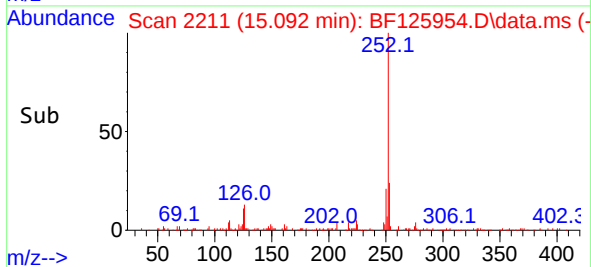
Tgt Ion:252 Resp: 177978
Ion Ratio Lower Upper
252 100
253 24.5 16.8 25.2
125 13.9 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 3.154 ng m
RT: 15.092 min Scan# 2211
Delta R.T. -0.006 min
Lab File: BF125954.D
Acq: 27 Oct 2021 1:58



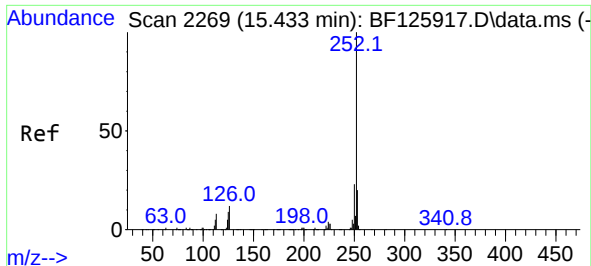
Tgt Ion:252 Resp: 54572
Ion Ratio Lower Upper
252 100
253 27.1 17.8 26.8#
125 18.9 7.2 10.8#



Instrument :
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ClientSampleId :
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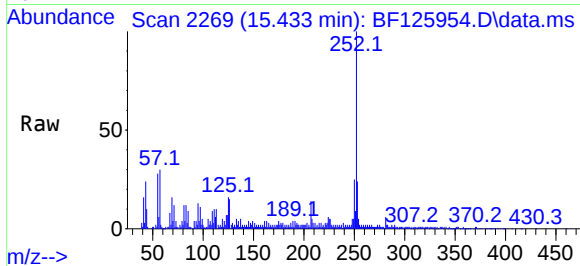
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#90
Benzo(a)pyrene
Concen: 8.292 ng
RT: 15.433 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF125954.D
Acq: 27 Oct 2021 1:58

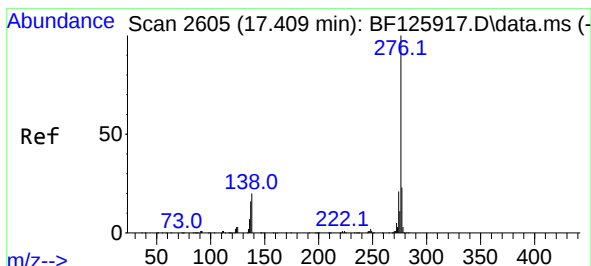
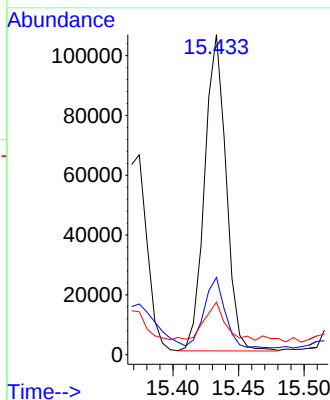
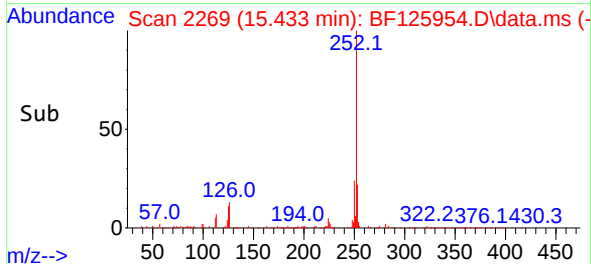
Instrument :
BNA_F
ClientSampleId :
FK-SF-02-007-B



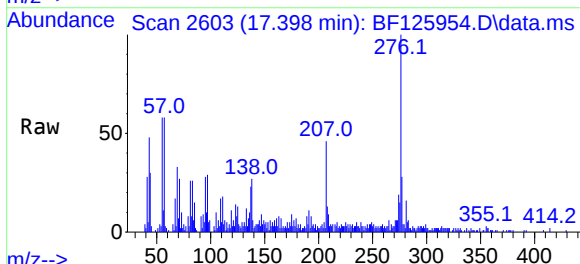
Tgt Ion:252 Resp: 120600
Ion Ratio Lower Upper
252 100
253 24.1 18.4 27.6
125 16.4 9.9 14.9#

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#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



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

