

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
 Data File : BF125994.D
 Acq On : 28 Oct 2021 17:57
 Operator : JU/CG
 Sample : M4336-02 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C1

Manual Integrations
 APPROVED

mohammad
 10/29/2021 3:02:03 PM

Quant Time: Oct 29 10:41:26 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	159652	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	584800	20.000	ng	# 0.00
39) Acenaphthene-d10	9.892	164	300974	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	548289	20.000	ng	0.00
76) Chrysene-d12	14.015	240	392889	20.000	ng	0.00
86) Perylene-d12	15.480	264	280018	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	193911	18.092	ng	-0.01
7) Phenol-d6	6.475	99	238663	16.234	ng	-0.01
23) Nitrobenzene-d5	7.416	82	136356	12.044	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	40268	15.348	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	220502	12.956	ng	0.00
79) Terphenyl-d14	12.963	244	245216	10.209	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.404	178	361899	12.720	ng	97
72) Anthracene	11.451	178	77800	2.739	ng	98
75) Fluoranthene	12.592	202	661875	23.078	ng	98
78) Pyrene	12.821	202	1380165	37.748	ng	96
81) Benzo(a)anthracene	14.010	228	474491	17.944	ng	99
83) Chrysene	14.045	228	453203	16.939	ng	99
87) Indeno(1,2,3-cd)pyrene	16.939	276	86406	4.283	ng	94
88) Benzo(b)fluoranthene	15.057	252	261752m	14.162	ng	
89) Benzo(k)fluoranthene	15.080	252	80202m	4.517	ng	
90) Benzo(a)pyrene	15.421	252	190630	12.776	ng	98
92) Benzo(g,h,i)perylene	17.374	276	81238	4.758	ng	94

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

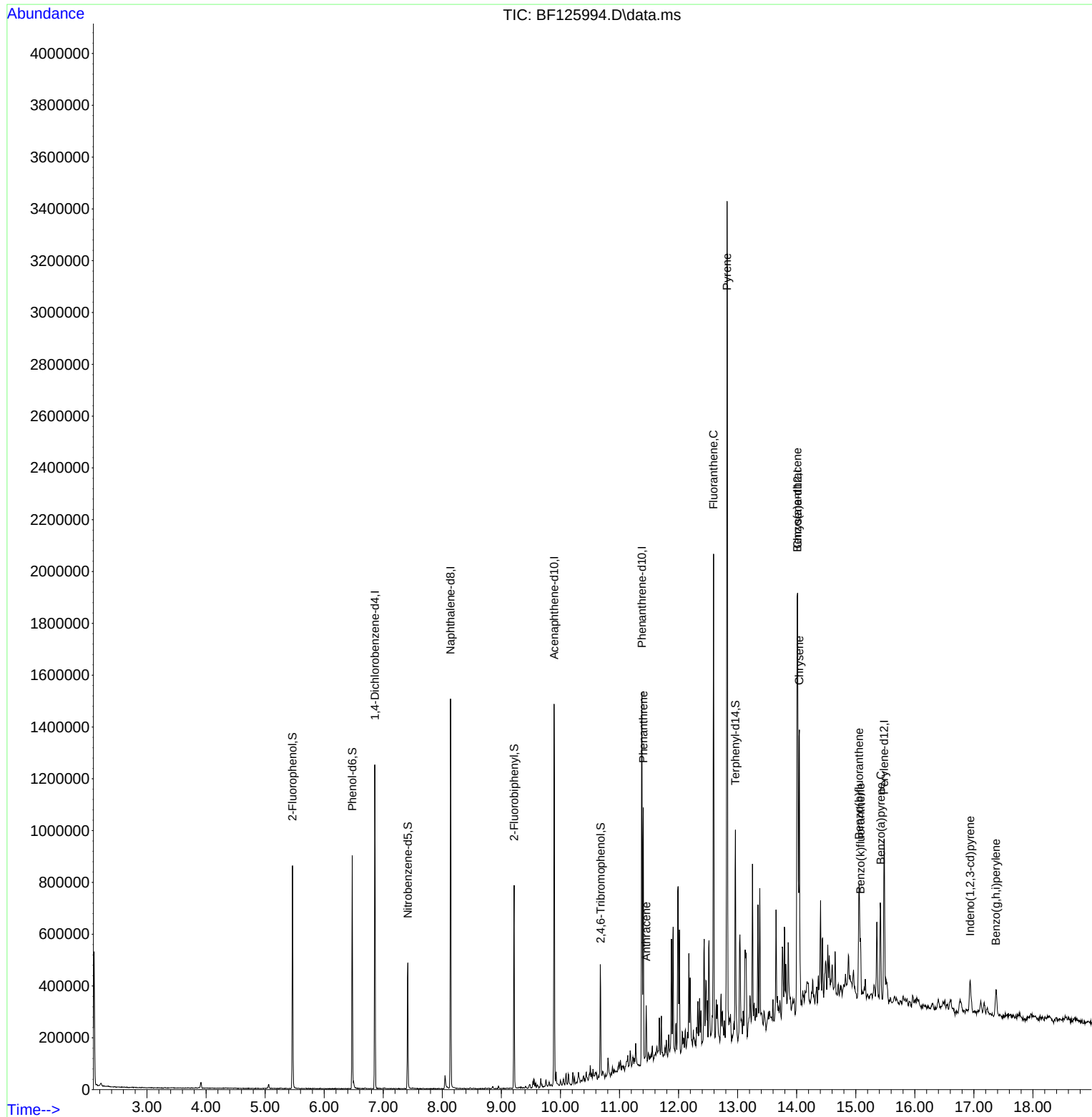
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
Data File : BF125994.D
Acq On : 28 Oct 2021 17:57
Operator : JU/CG
Sample : M4336-02 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

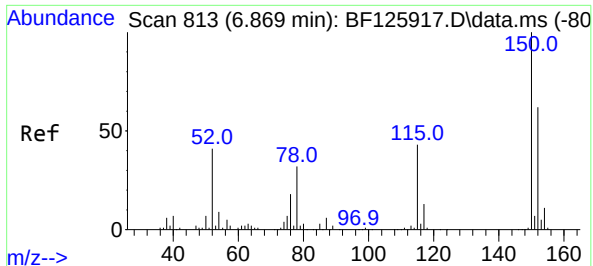
Instrument :
BNA_F
ClientSampled :
C1

Manual Integrations
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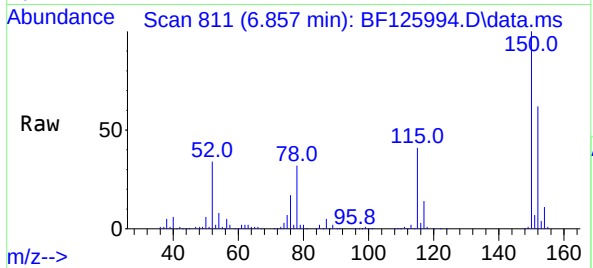
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Quant Time: Oct 29 10:41:26 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 28 12:01:54 2021
Response via : Initial Calibration

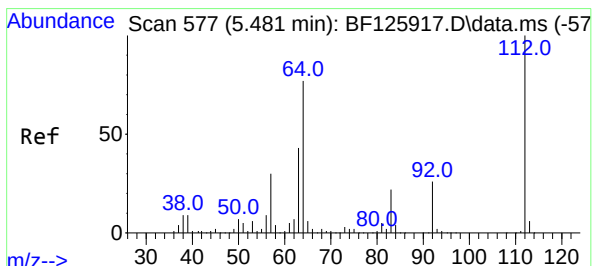
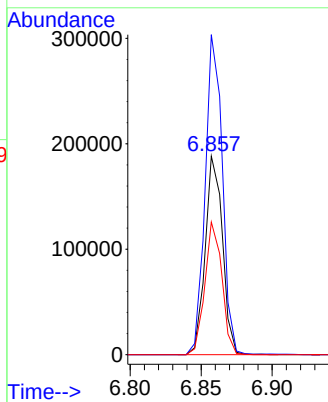
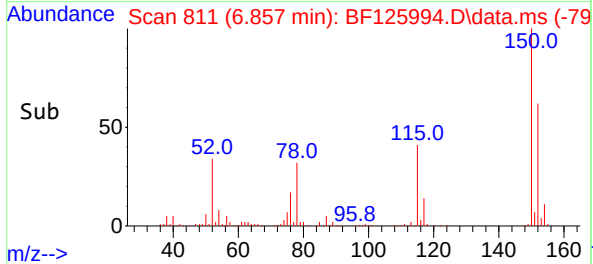




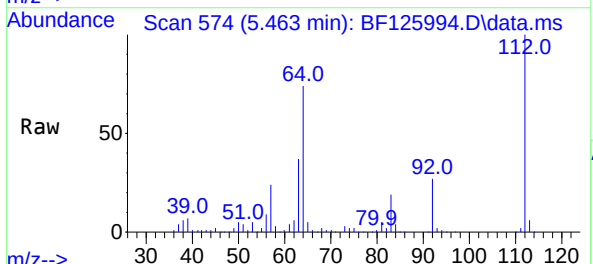
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57



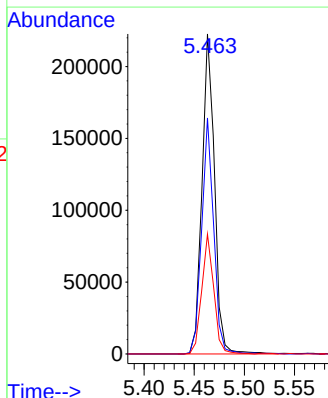
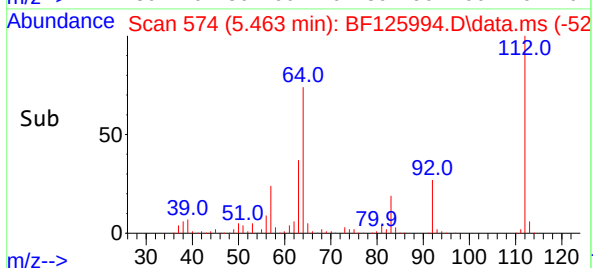
Tgt Ion:152 Resp: 159652
Ion Ratio Lower Upper
152 100
150 161.1 117.6 176.4
115 66.8 47.1 70.7



#5
2-Fluorophenol
Concen: 18.092 ng
RT: 5.463 min Scan# 574
Delta R.T. -0.012 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57



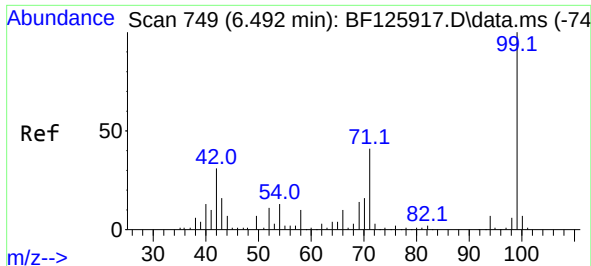
Tgt Ion:112 Resp: 193911
Ion Ratio Lower Upper
112 100
64 73.7 44.2 66.2#
63 37.4 26.2 39.2



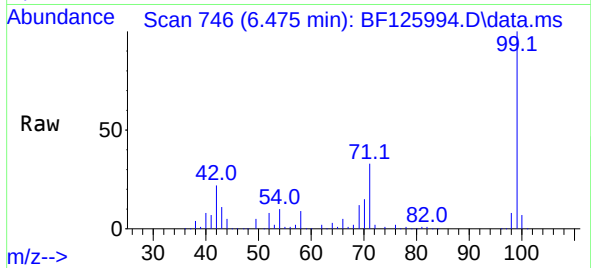
Instrument :
BNA_F
ClientSampled :
C1

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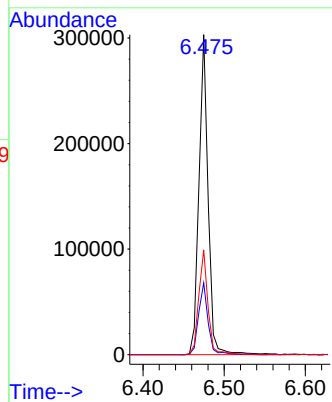
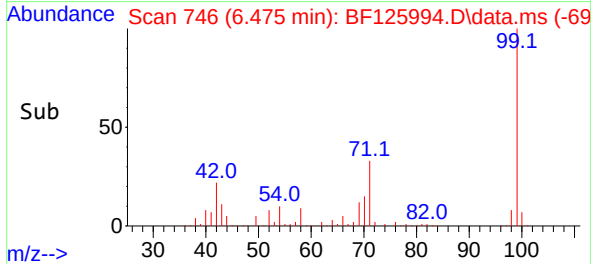
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#7
Phenol-d6
Concen: 16.234 ng
RT: 6.475 min Scan# 746
Delta R.T. -0.012 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57



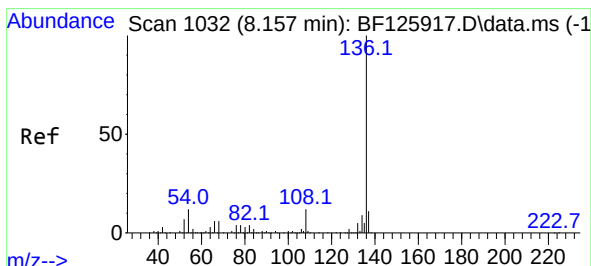
Tgt Ion: 99 Resp: 238663
Ion Ratio Lower Upper
99 100
42 22.4 23.5 35.3#
71 32.7 25.6 38.4



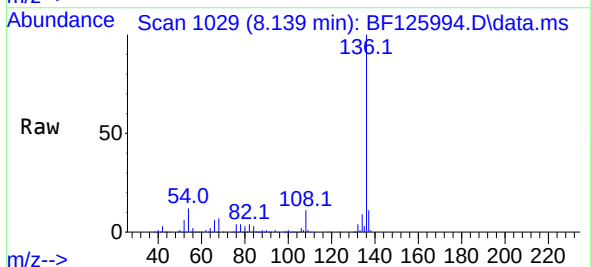
Instrument :
BNA_F
ClientSampled :
C1

Manual Integrations
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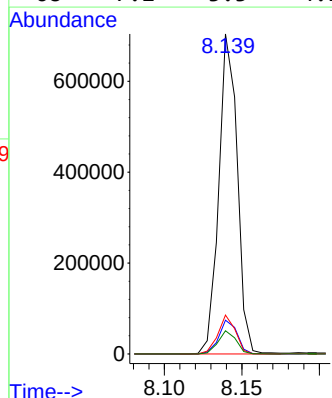
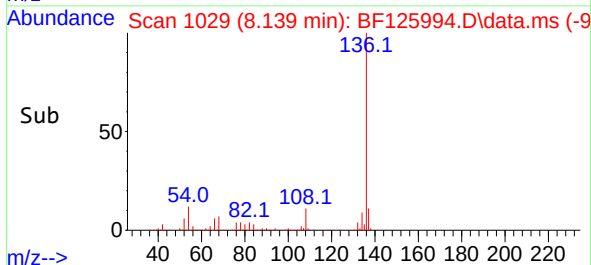
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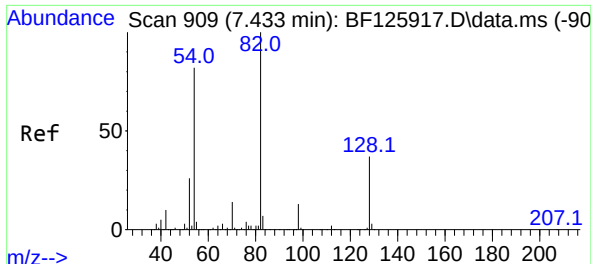


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57



Tgt Ion: 136 Resp: 584800
Ion Ratio Lower Upper
136 100
137 10.6 9.8 14.6
54 12.1 6.4 9.6#
68 7.2 3.3 4.9#





#23

Nitrobenzene-d5

Concen: 12.044 ng

RT: 7.416 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF125994.D

Acq: 28 Oct 2021 17:57

Tgt Ion:	82	Resp:	136356
Ion Ratio	Lower	Upper	
82	100		
128	43.4	40.6	60.8
54	65.5	49.6	74.4

Instrument :

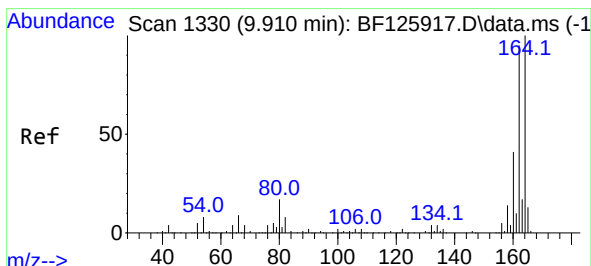
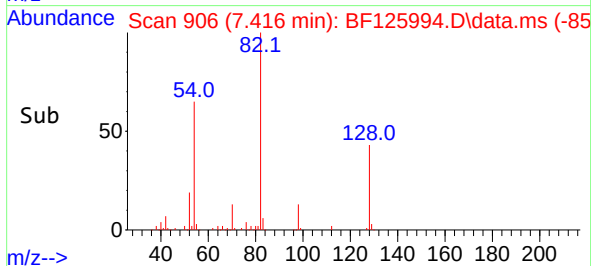
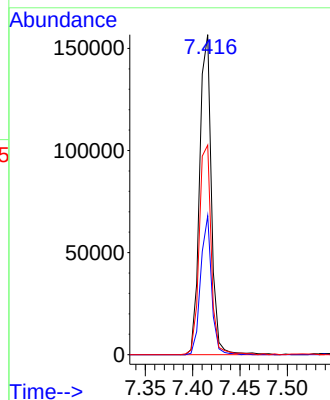
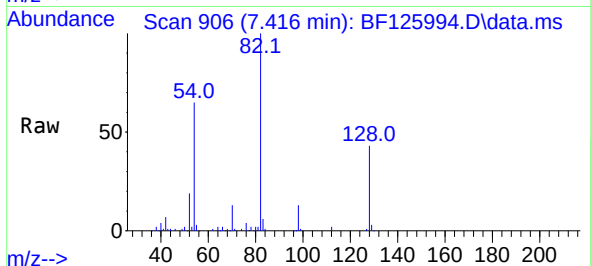
BNA_F

ClientSampled :

C1

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#39

Acenaphthene-d10

Concen: 20.000 ng

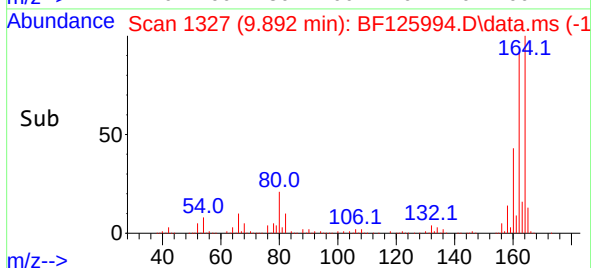
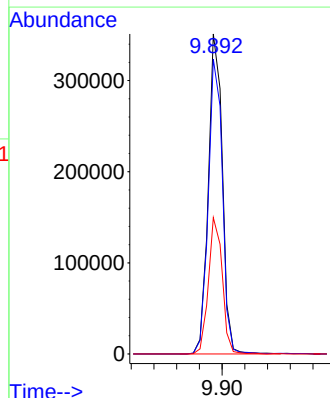
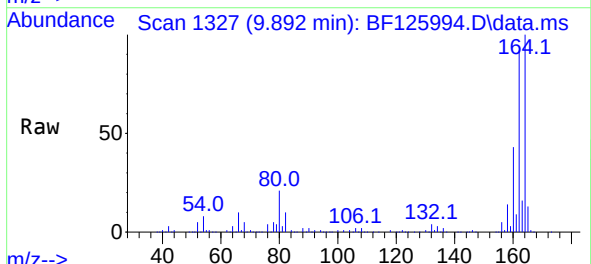
RT: 9.892 min Scan# 1327

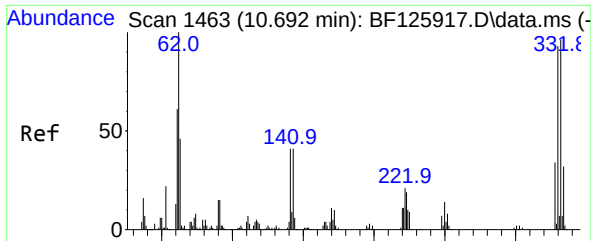
Delta R.T. -0.006 min

Lab File: BF125994.D

Acq: 28 Oct 2021 17:57

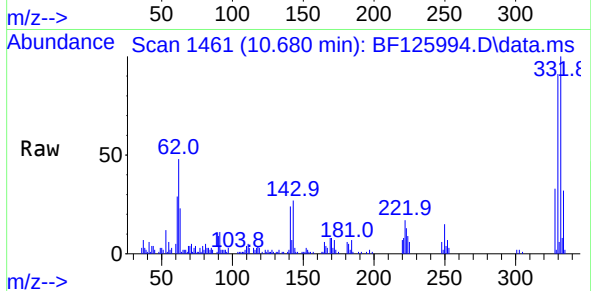
Tgt Ion:	164	Resp:	300974
Ion Ratio	Lower	Upper	
164	100		
162	92.2	81.3	121.9
160	42.6	38.0	57.0





#42
2,4,6-Tribromophenol
Concen: 15.348 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57

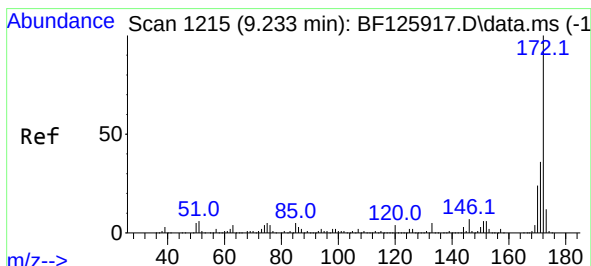
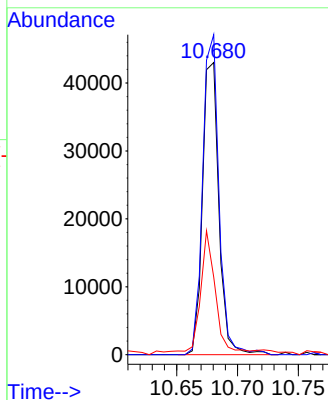
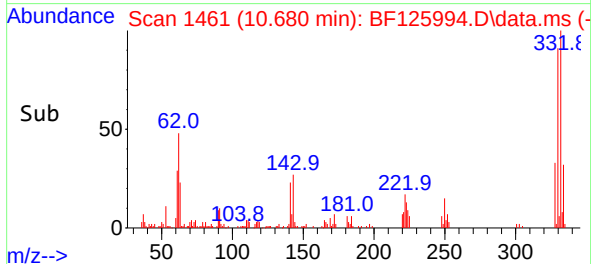
Instrument :
BNA_F
ClientSampled :
C1



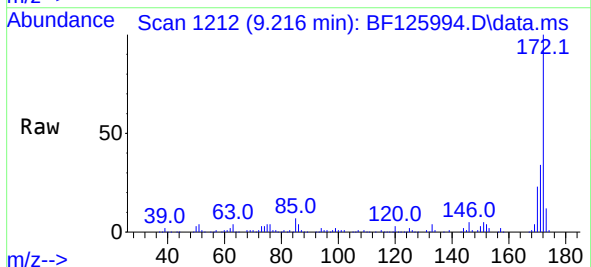
Tgt Ion:330 Resp: 40268
Ion Ratio Lower Upper
330 100
332 109.0 76.2 114.4
141 40.7 44.6 66.8#

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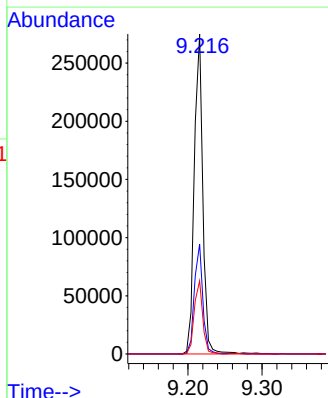
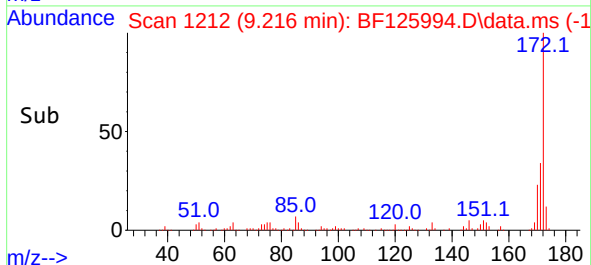
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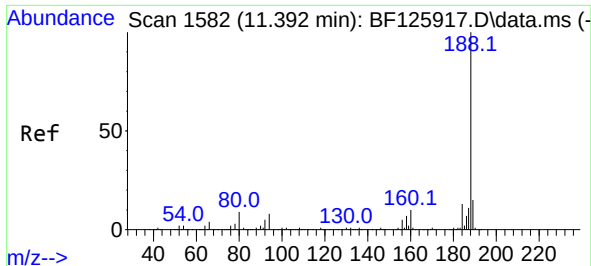


#45
2-Fluorobiphenyl
Concen: 12.956 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57

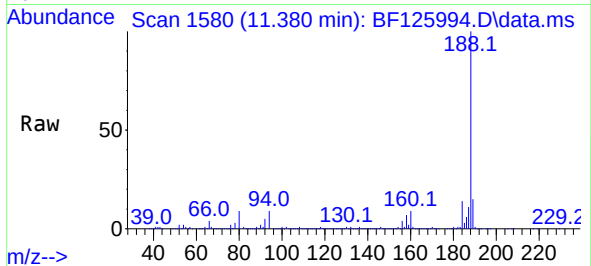


Tgt Ion:172 Resp: 220502
Ion Ratio Lower Upper
172 100
171 34.4 26.5 39.7
170 22.9 18.8 28.2

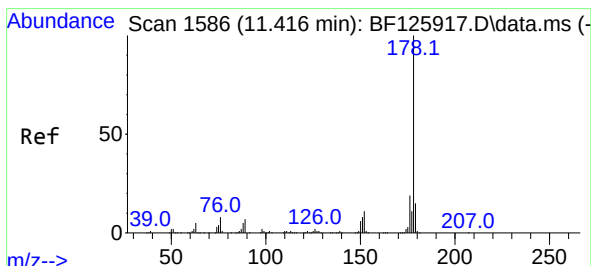
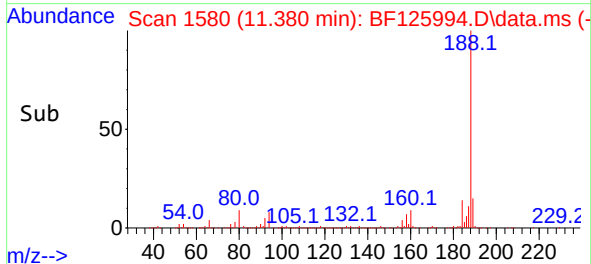
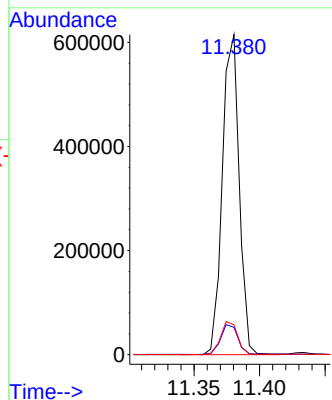




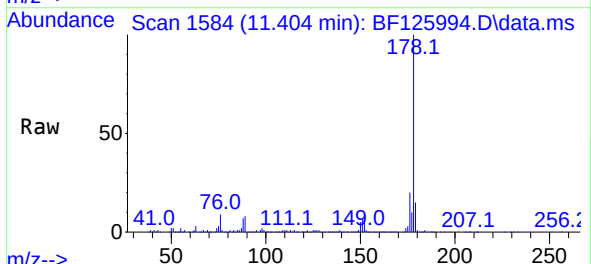
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57



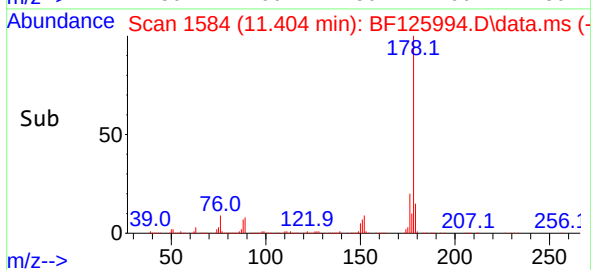
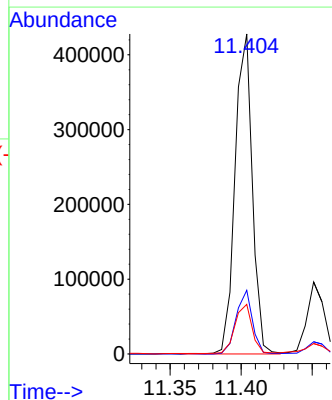
Tgt Ion:188 Resp: 548289
Ion Ratio Lower Upper
188 100
94 8.6 6.7 10.1
80 9.4 7.5 11.3



#71
Phenanthrene
Concen: 12.720 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57



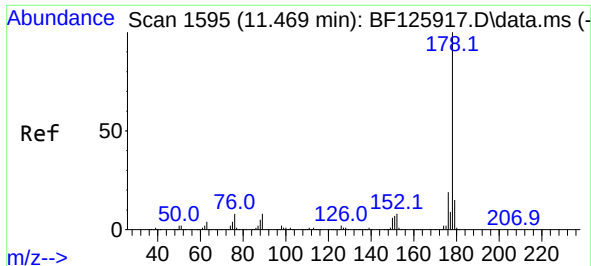
Tgt Ion:178 Resp: 361899
Ion Ratio Lower Upper
178 100
176 19.9 14.7 22.1
179 15.5 11.5 17.3



Instrument :
BNA_F
ClientSampled :
C1

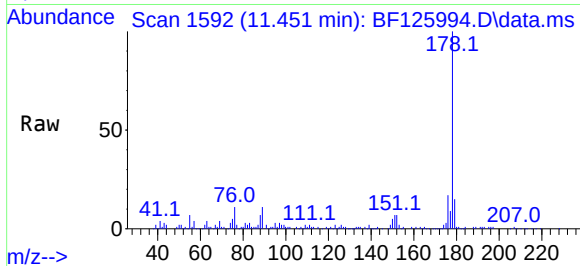
Manual Integrations
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#72
 Anthracene
 Concen: 2.739 ng
 RT: 11.451 min Scan# 1592
 Delta R.T. -0.006 min
 Lab File: BF125994.D
 Acq: 28 Oct 2021 17:57

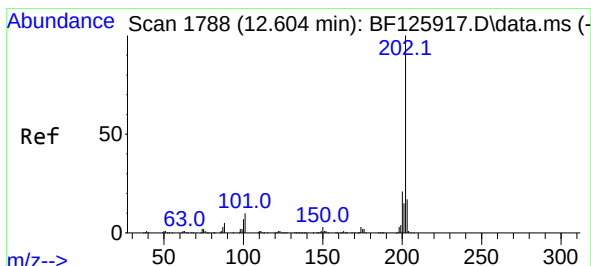
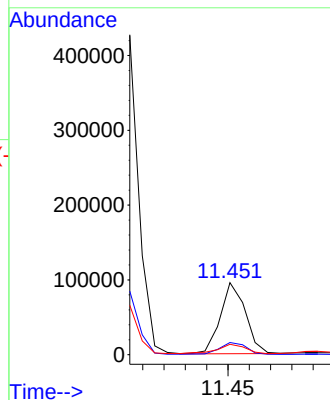
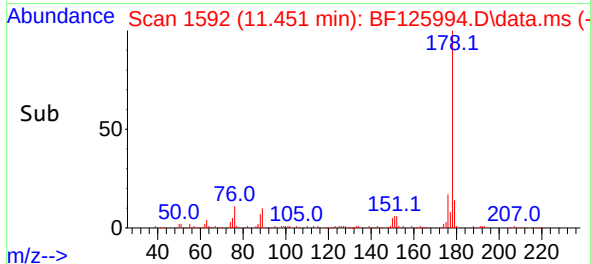
Instrument :
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 ClientSampled :
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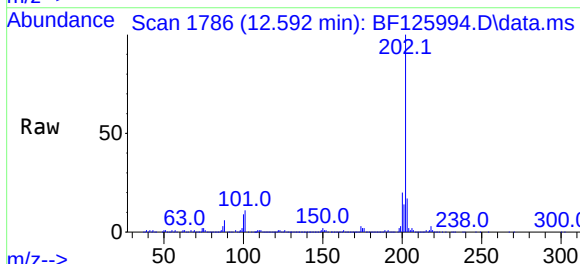
Tgt Ion:178 Resp: 77800
 Ion Ratio Lower Upper
 178 100
 176 16.8 14.3 21.5
 179 14.6 12.2 18.4

Manual Integrations
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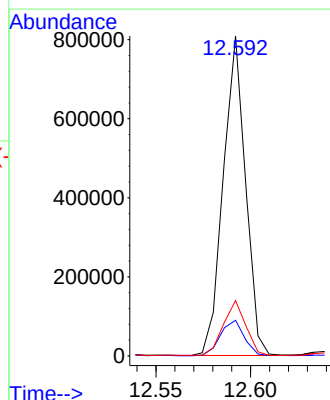
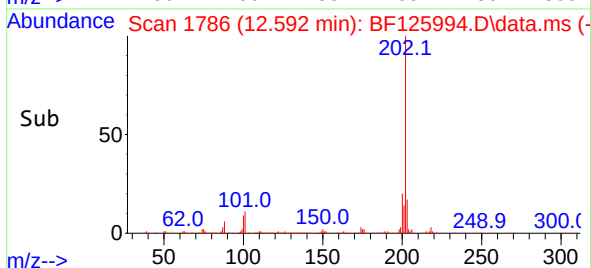
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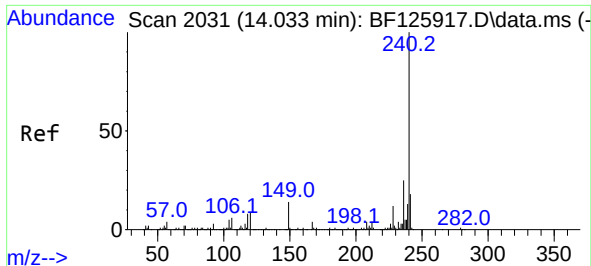


#75
 Fluoranthene
 Concen: 23.078 ng
 RT: 12.592 min Scan# 1786
 Delta R.T. -0.000 min
 Lab File: BF125994.D
 Acq: 28 Oct 2021 17:57



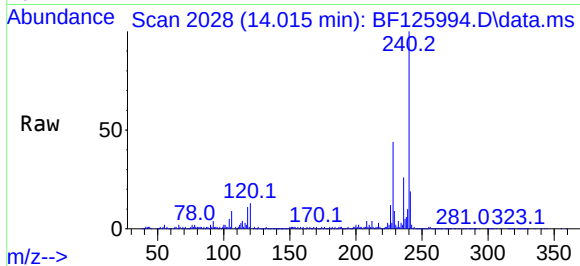
Tgt Ion:202 Resp: 661875
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 30.7
 203 17.3 0.0 36.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57

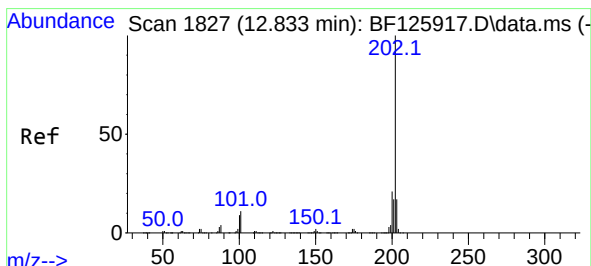
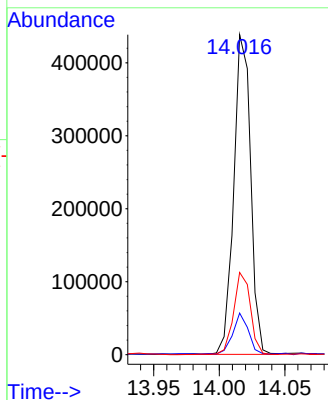
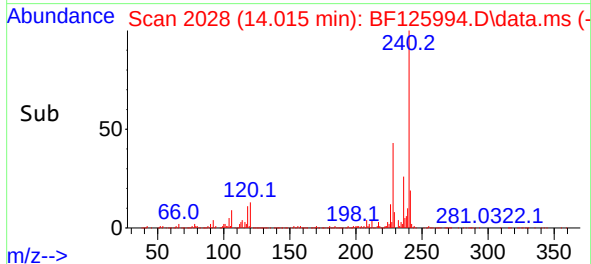
Instrument :
BNA_F
ClientSampled :
C1



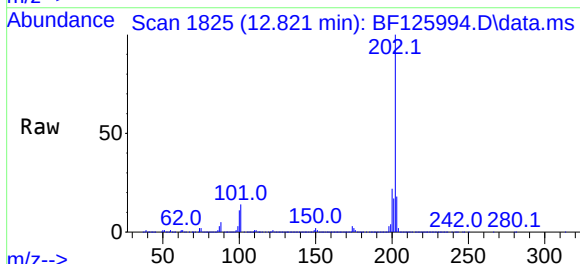
Tgt Ion:240 Resp: 392889
Ion Ratio Lower Upper
240 100
120 13.0 10.8 16.2
236 25.7 21.6 32.4

Manual Integrations
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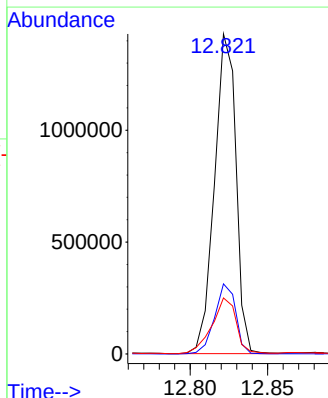
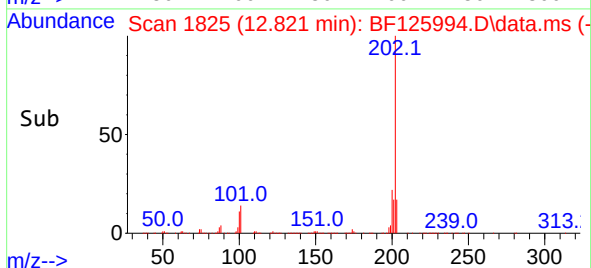
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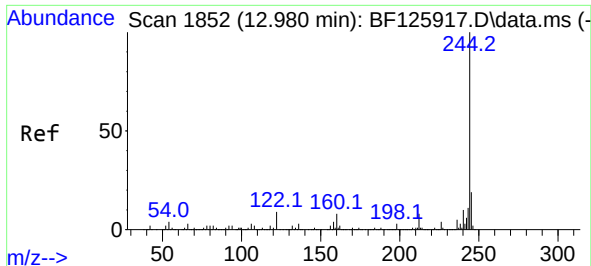


#78
Pyrene
Concen: 37.748 ng
RT: 12.821 min Scan# 1825
Delta R.T. -0.000 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57



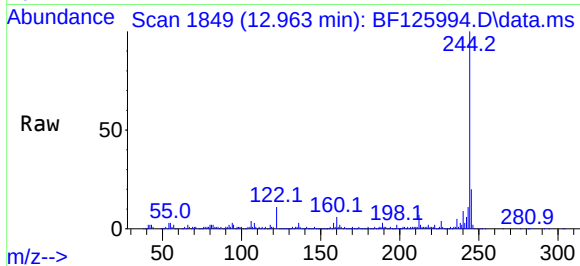
Tgt Ion:202 Resp: 1380165
Ion Ratio Lower Upper
202 100
200 21.9 15.3 22.9
203 17.5 13.4 20.0





#79
Terphenyl-d14
Concen: 10.209 ng
RT: 12.963 min Scan# 1849
Delta R.T. -0.006 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57

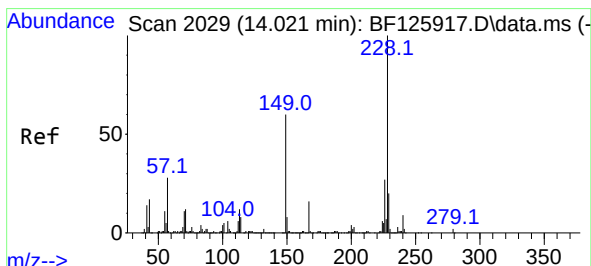
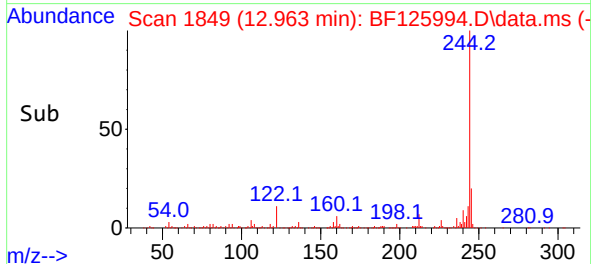
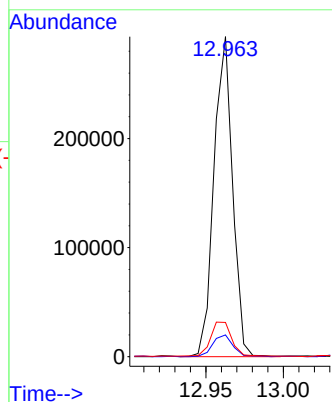
Instrument :
BNA_F
ClientSampled :
C1



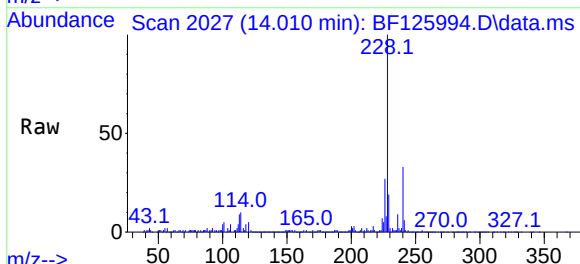
Tgt Ion:244 Resp: 245216
Ion Ratio Lower Upper
244 100
212 6.8 5.9 8.9
122 10.7 9.0 13.4

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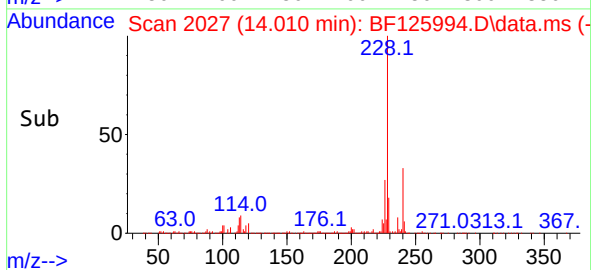
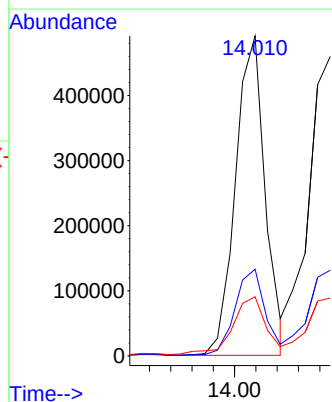
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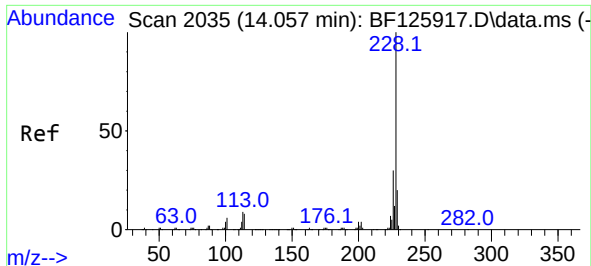


#81
Benzo(a)anthracene
Concen: 17.944 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57



Tgt Ion:228 Resp: 474491
Ion Ratio Lower Upper
228 100
226 27.1 21.6 32.4
229 18.5 15.6 23.4





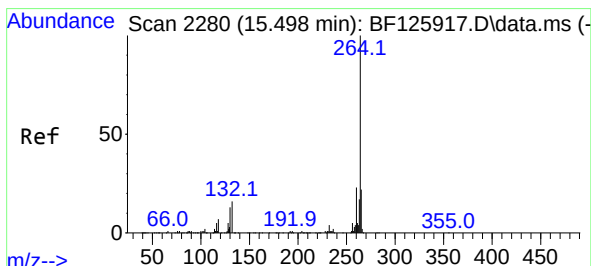
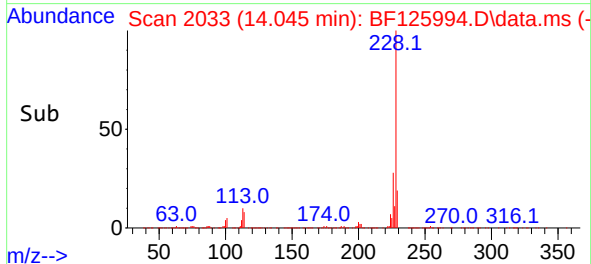
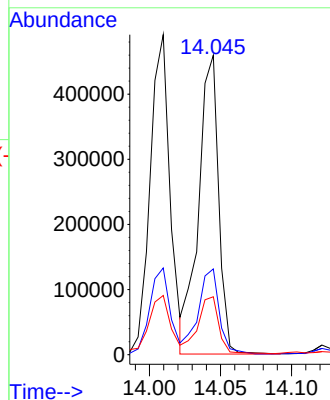
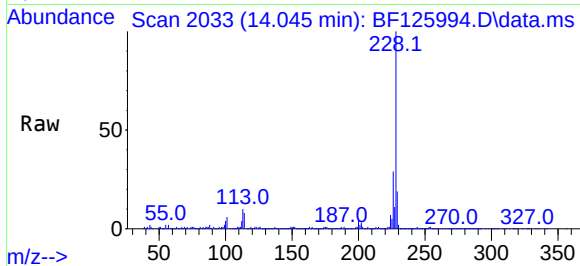
#83
Chrysene
Concen: 16.939 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57

Tgt Ion:228 Resp: 453203
Ion Ratio Lower Upper
228 100
226 28.6 22.6 34.0
229 19.3 15.9 23.9

Instrument :
BNA_F
ClientSampled :
C1

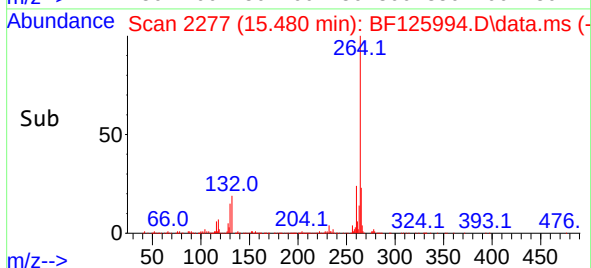
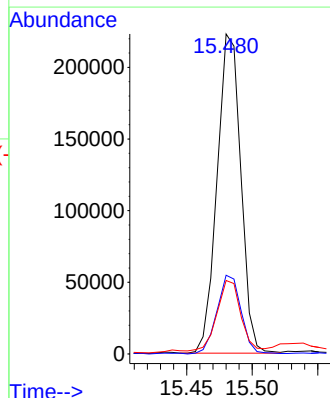
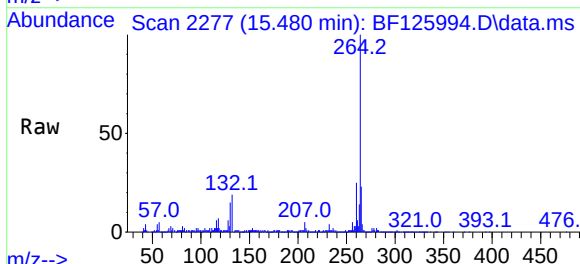
Manual Integrations
APPROVED

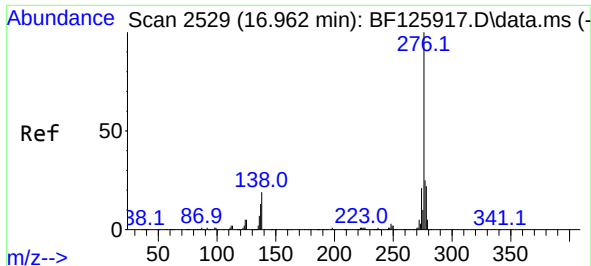
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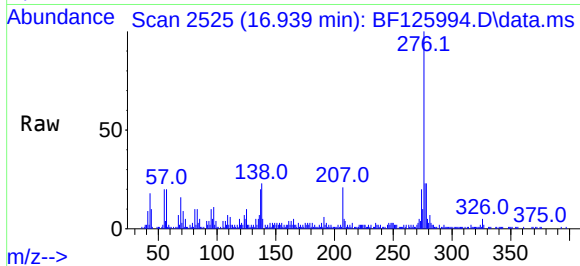
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2277
Delta R.T. -0.000 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57

Tgt Ion:264 Resp: 280018
Ion Ratio Lower Upper
264 100
260 24.6 19.6 29.4
265 23.0 17.2 25.8

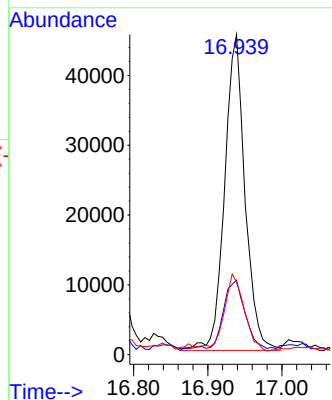
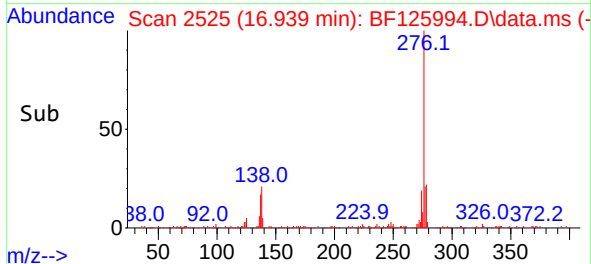




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.283 ng
RT: 16.939 min Scan# 2525
Delta R.T. -0.006 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57



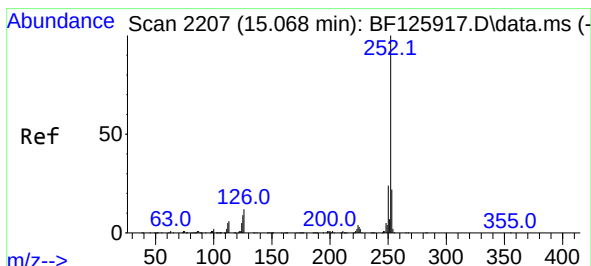
Tgt Ion: 276 Resp: 86406
Ion Ratio Lower Upper
276 100
138 24.9 24.1 36.1
277 23.4 18.8 28.2



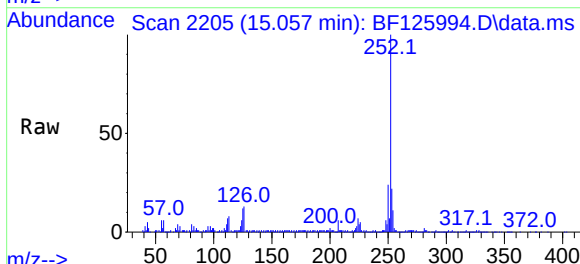
Instrument :
BNA_F
ClientSampled :
C1

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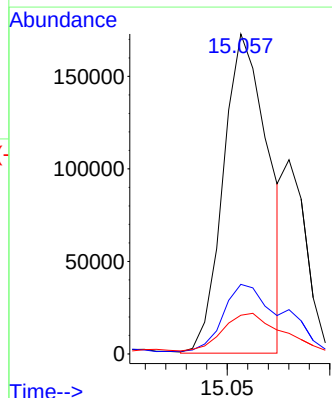
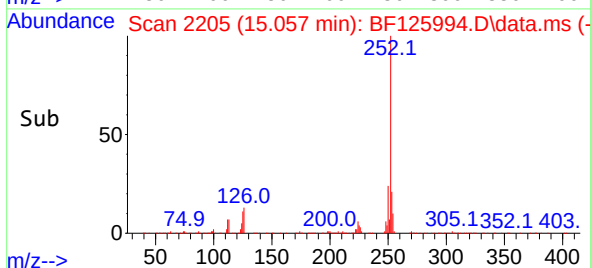
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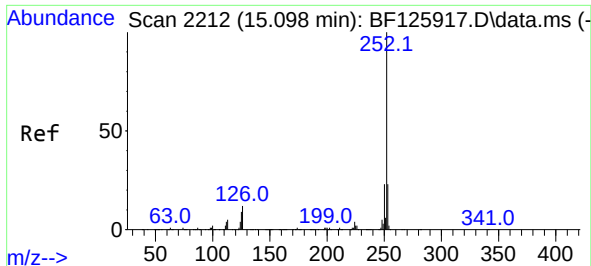


#88
Benzo(b)fluoranthene
Concen: 14.162 ng m
RT: 15.057 min Scan# 2205
Delta R.T. -0.000 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57



Tgt Ion: 252 Resp: 261752
Ion Ratio Lower Upper
252 100
253 21.8 16.8 25.2
125 12.1 9.8 14.8





#89

Benzo(k)fluoranthene

Concen: 4.517 ng m

RT: 15.080 min Scan# 2209

Delta R.T. -0.006 min

Lab File: BF125994.D

Acq: 28 Oct 2021 17:57

Tgt Ion:	252	Resp:	80202
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.8	26.8
125	10.6	7.2	10.8

Instrument :

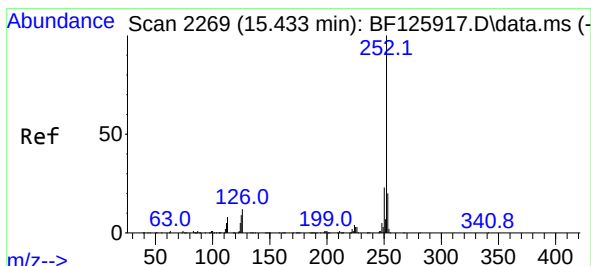
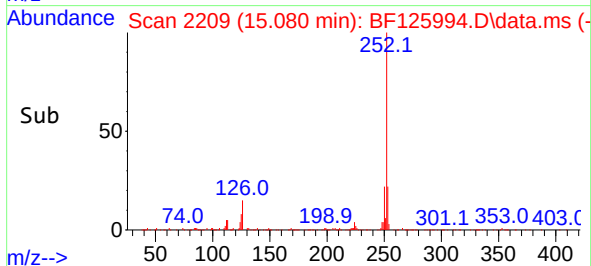
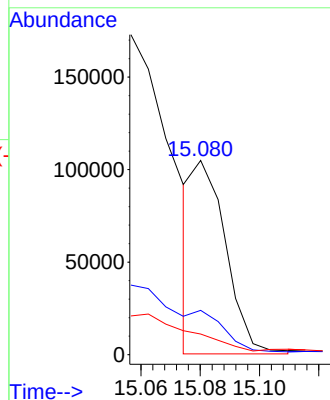
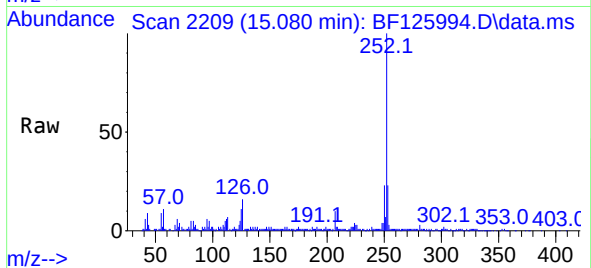
BNA_F

ClientSampled :

C1

Manual Integrations
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#90

Benzo(a)pyrene

Concen: 12.776 ng

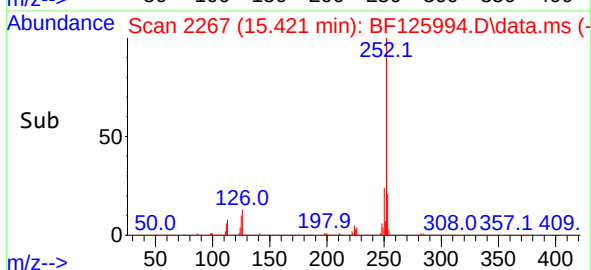
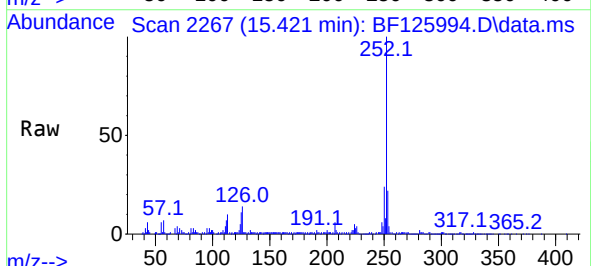
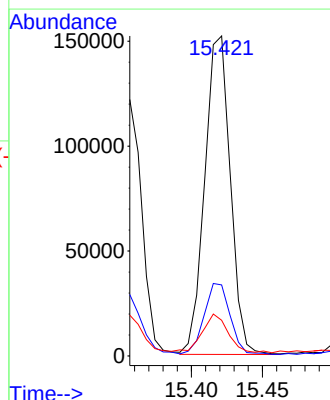
RT: 15.421 min Scan# 2267

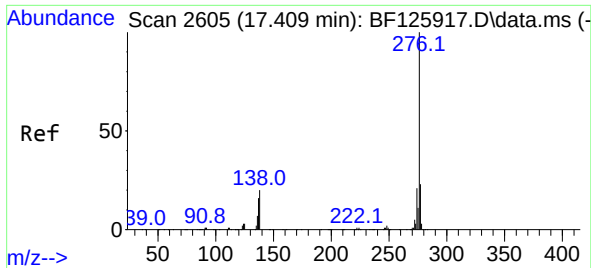
Delta R.T. -0.000 min

Lab File: BF125994.D

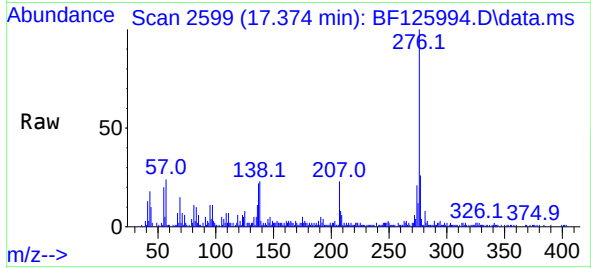
Acq: 28 Oct 2021 17:57

Tgt Ion:	252	Resp:	190630
Ion Ratio	Lower	Upper	
252	100		
253	22.2	18.4	27.6
125	11.2	9.9	14.9

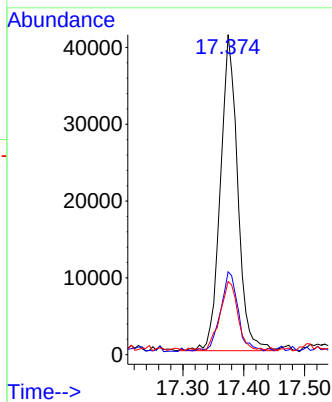
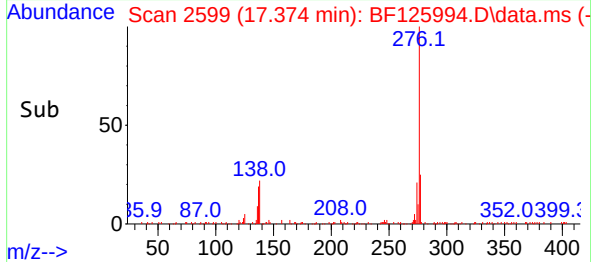




#92
Benzo(g,h,i)perylene
Concen: 4.758 ng
RT: 17.374 min Scan# 2599
Delta R.T. -0.012 min
Lab File: BF125994.D
Acq: 28 Oct 2021 17:57



Tgt Ion: 276 Resp: 81238
Ion Ratio Lower Upper
276 100
277 25.9 22.0 33.0
138 22.9 22.2 33.4



Instrument :
BNA_F
ClientSampleId :
C1

Manual Integrations
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