

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121420\
 Data File : BF122714.D
 Acq On : 14 Dec 2020 19:30
 Operator : JU/CG
 Sample : L5035-01DL 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-7DL

Manual Integrations
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mohammad
 12/17/2020 9:47:03 AM

Quant Time: Dec 14 23:54:30 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 07 12:08:49 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.833	152	168904	20.00	ng	0.00
21) Naphthalene-d8	8.122	136	663725	20.00	ng	0.00
39) Acenaphthene-d10	9.874	164	340445	20.00	ng	0.00
64) Phenanthrene-d10	11.363	188	567064	20.00	ng	0.00
76) Chrysene-d12	14.009	240	375489	20.00	ng	0.00
86) Perylene-d12	15.474	264	416084	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	468287	43.89	ng	0.00
7) Phenol-d6	6.463	99	600257	42.42	ng	-0.02
23) Nitrobenzene-d5	7.398	82	326747	24.66	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	130108	29.20	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	687213	27.30	ng	-0.01
79) Terphenyl-d14	12.945	244	547928	25.54	ng	-0.01
Target Compounds						Qvalue
38) 1-Methylnaphthalene	8.933	142	47962	2.09	ng	96
49) Acenaphthylene	9.733	152	433917	12.55	ng	99
50) Dimethylphthalate	9.586	163	70867	2.61	ng	99
52) Acenaphthene	9.904	154	47128	2.11	ng	98
58) Fluorene	10.421	166	115516	4.62	ng	99
71) Phenanthrene	11.392	178	1505016	44.66	ng	99
72) Anthracene	11.439	178	316842	9.48	ng	98
73) Carbazole	11.592	167	112476	3.71	ng	98
75) Fluoranthene	12.586	202	1977704	55.96	ng	99
78) Pyrene	12.815	202	1939905	66.82	ng	99
81) Benzo(a)anthracene	13.998	228	881105m	35.11	ng	
83) Chrysene	14.033	228	1030466m	41.26	ng	
87) Indeno(1,2,3-cd)pyrene	16.939	276	507987	18.60	ng	96
88) Benzo(b)fluoranthene	15.056	252	1139864m	39.05	ng	
89) Benzo(k)fluoranthene	15.074	252	366712m	13.74	ng	
90) Benzo(a)pyrene	15.415	252	822375	32.20	ng	98
91) Dibenzo(a,h)anthracene	16.939	278	137052	6.13	ng	# 81
92) Benzo(g,h,i)perylene	17.380	276	477746	22.08	ng	100

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

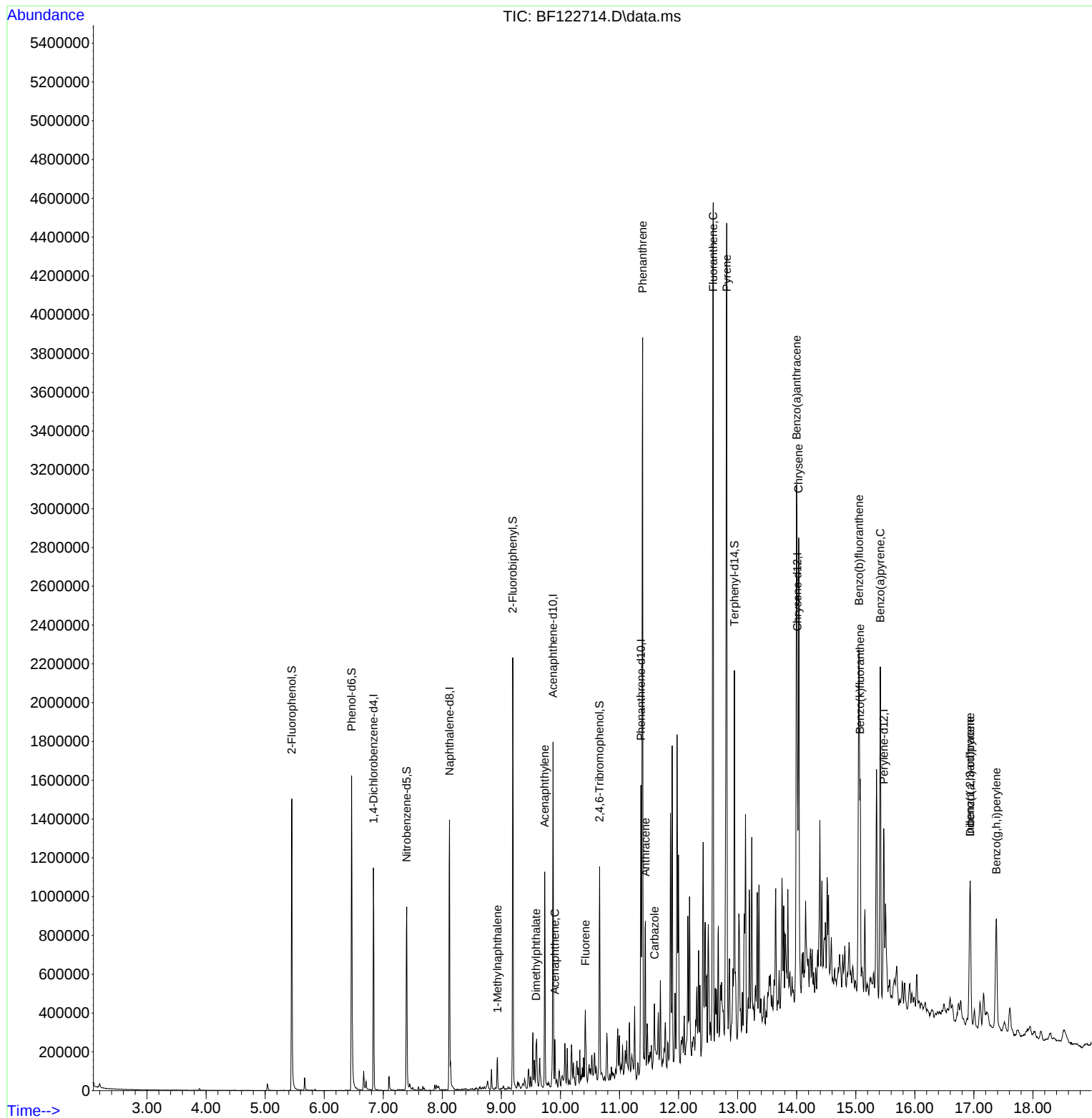
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121420\
Data File : BF122714.D
Acq On : 14 Dec 2020 19:30
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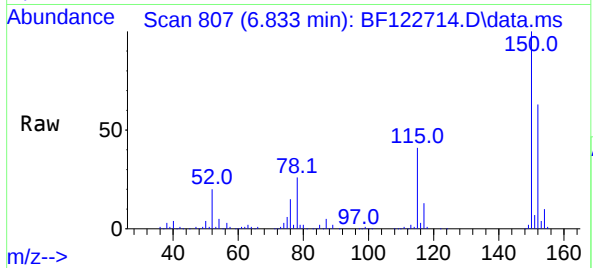
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Quant Time: Dec 14 23:54:30 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 07 12:08:49 2020
Response via : Initial Calibration

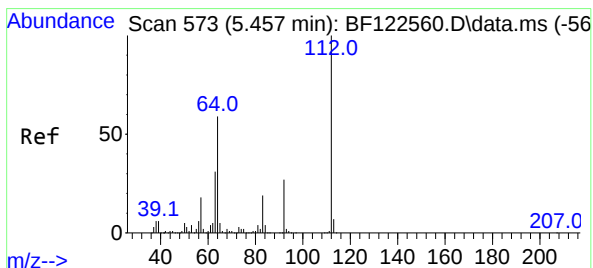
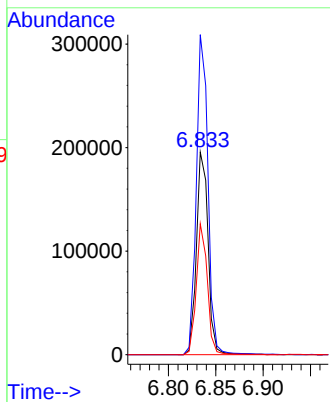
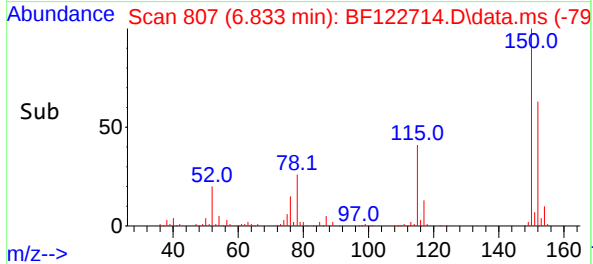




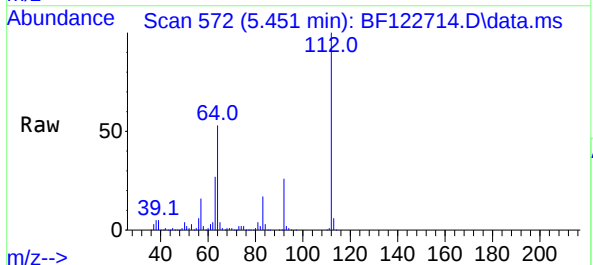
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1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.833 min Scan# 807
Delta R.T. -0.007 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30



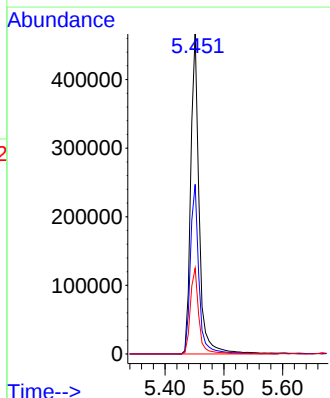
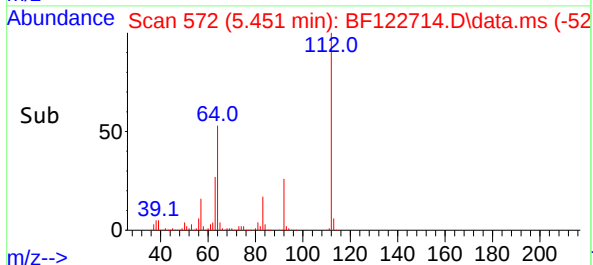
Tgt Ion:152 Resp: 168904
Ion Ratio Lower Upper
152 100
150 158.0 125.8 188.6
115 64.6 49.3 73.9



#5
2-Fluorophenol
Concen: 43.89 ng
RT: 5.451 min Scan# 572
Delta R.T. -0.006 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30



Tgt Ion:112 Resp: 468287
Ion Ratio Lower Upper
112 100
64 53.0 46.9 70.3
63 26.8 24.5 36.7



Instrument :
BNA_F
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PE-7DL

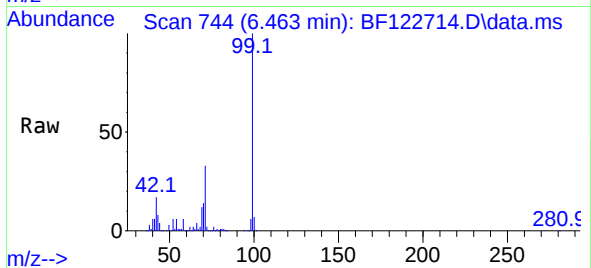
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#7
Phenol-d6
Concen: 42.42 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.018 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

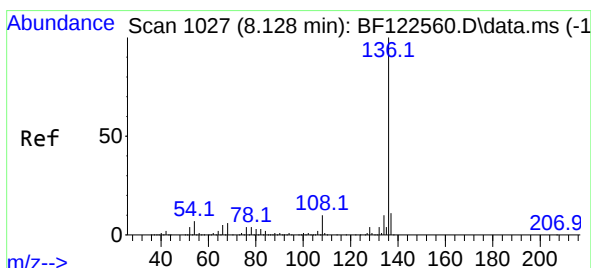
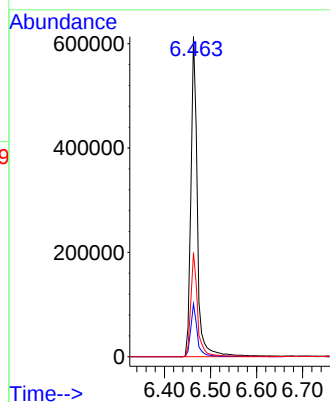
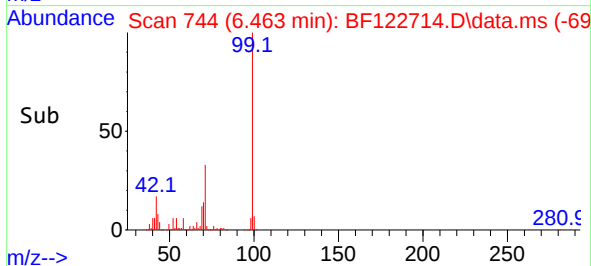
Instrument :
BNA_F
ClientSampleId :
PE-7DL



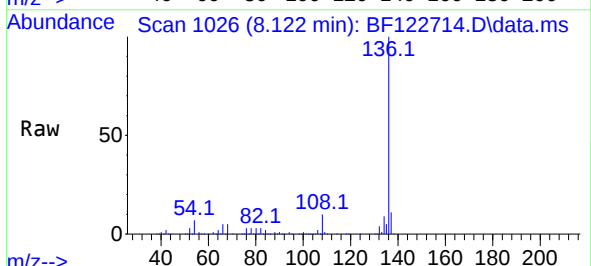
Tgt Ion: 99 Resp: 600257
Ion Ratio Lower Upper
99 100
42 16.5 13.8 20.6
71 32.5 26.9 40.3

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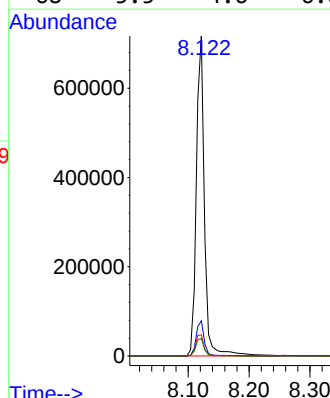
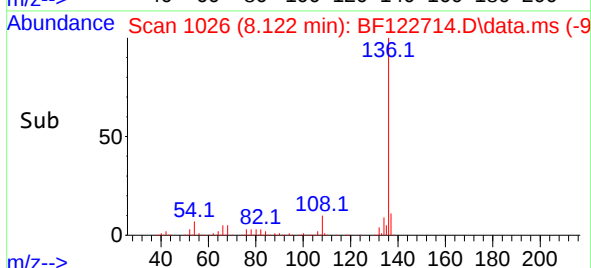
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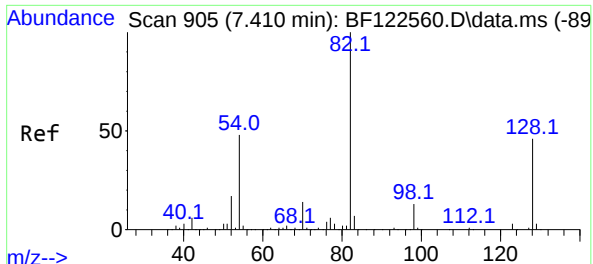


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30



Tgt Ion: 136 Resp: 663725
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 6.6 5.5 8.3
68 5.5 4.6 6.8





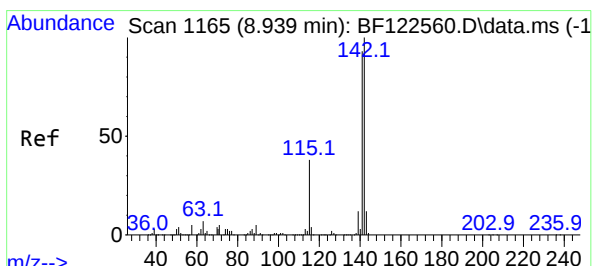
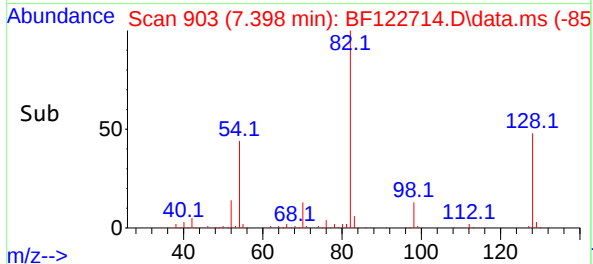
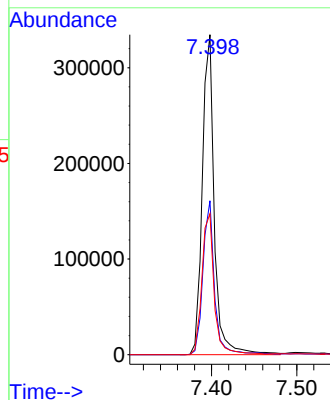
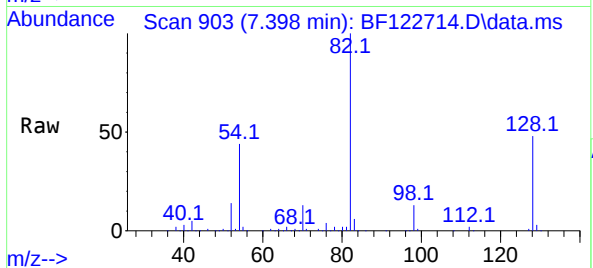
#23
Nitrobenzene-d5
Concen: 24.66 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.012 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

Tgt Ion: 82 Resp: 326747
Ion Ratio Lower Upper
82 100
128 48.1 37.0 55.4
54 44.0 38.4 57.6

Instrument :
BNA_F
ClientSampled :
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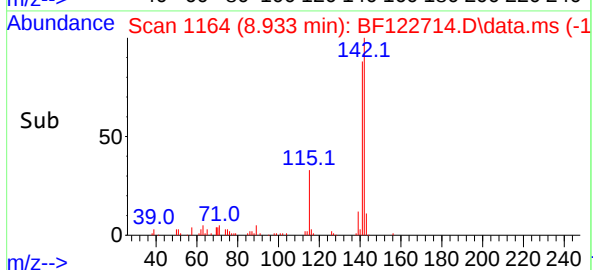
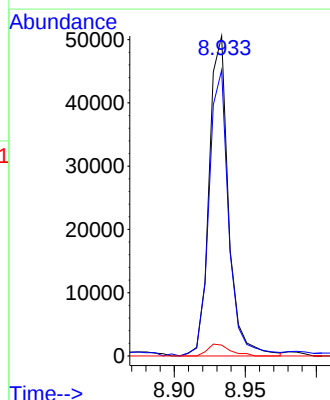
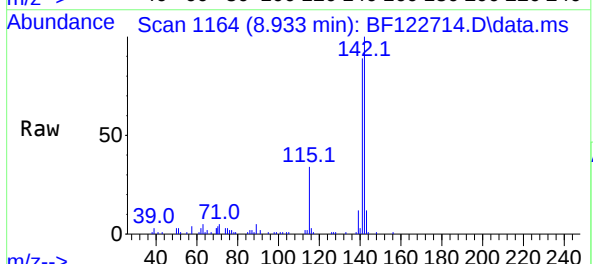
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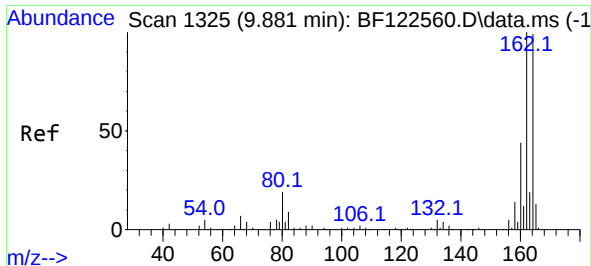
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#38
1-Methylnaphthalene
Concen: 2.09 ng
RT: 8.933 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

Tgt Ion: 142 Resp: 47962
Ion Ratio Lower Upper
142 100
141 89.3 74.5 111.7
116 3.4 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.874 min Scan# 1324

Delta R.T. -0.007 min

Lab File: BF122714.D

Acq: 14 Dec 2020 19:30

Tgt Ion:164 Resp: 340445

Ion Ratio Lower Upper

164 100

162 101.3 80.8 121.2

160 43.7 35.4 53.0

Instrument :

BNA_F

ClientSampled :

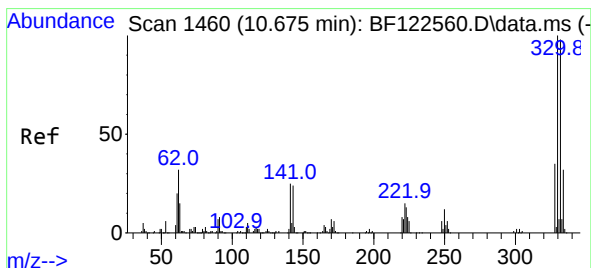
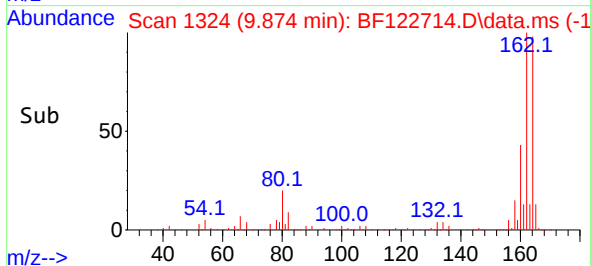
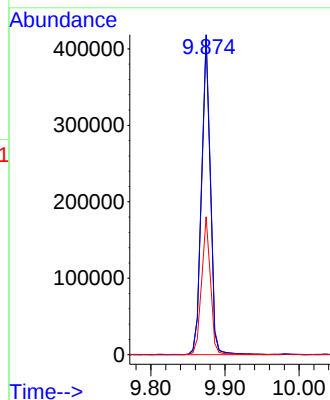
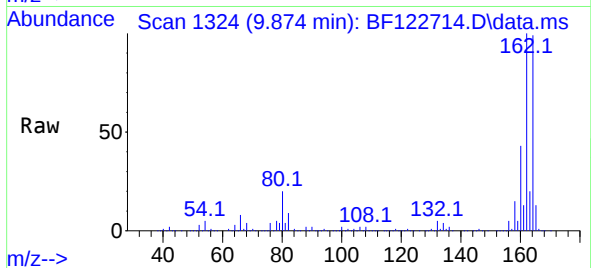
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#42

2,4,6-Tribromophenol

Concen: 29.20 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.012 min

Lab File: BF122714.D

Acq: 14 Dec 2020 19:30

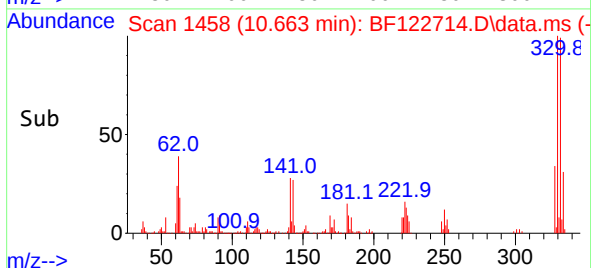
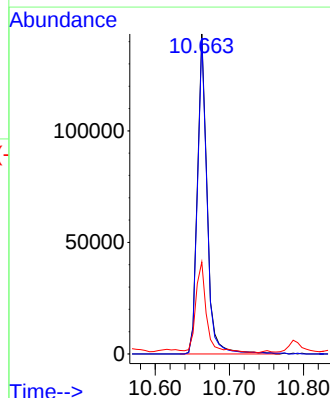
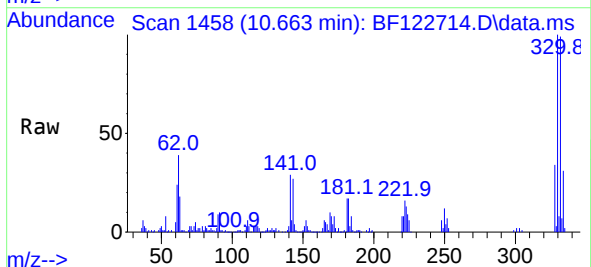
Tgt Ion:330 Resp: 130108

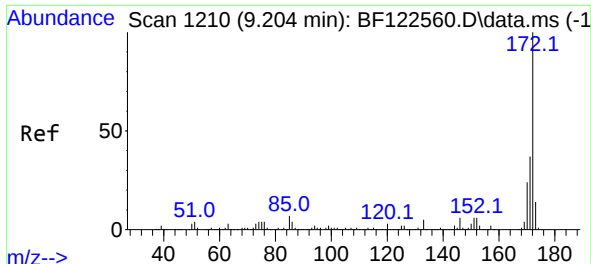
Ion Ratio Lower Upper

330 100

332 97.4 77.5 116.3

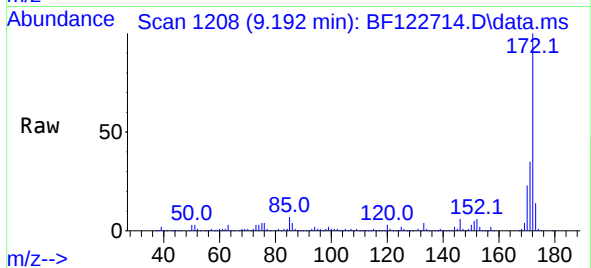
141 31.4 23.8 35.8





#45
2-Fluorobiphenyl
Concen: 27.30 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

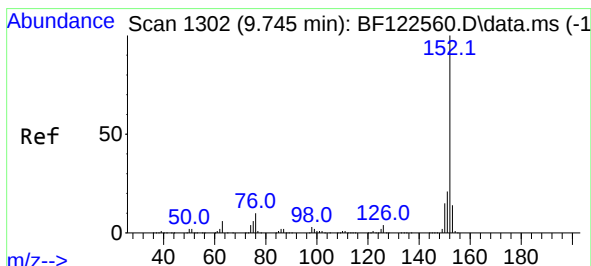
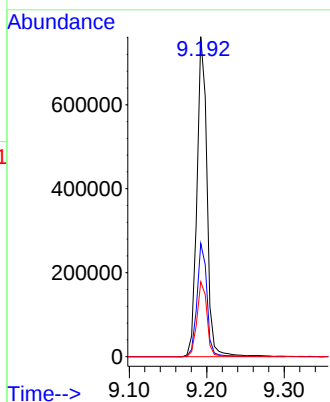
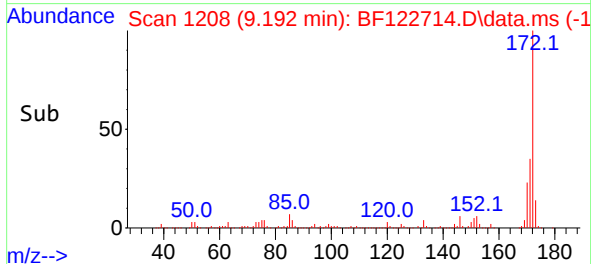
Instrument :
BNA_F
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PE-7DL



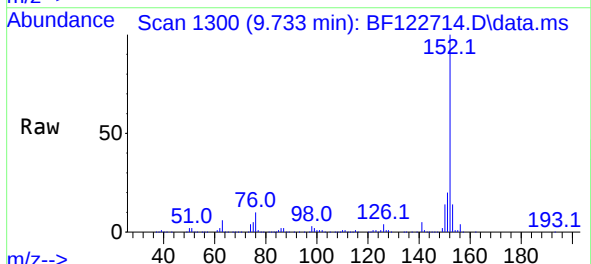
Tgt Ion:172 Resp: 687213
Ion Ratio Lower Upper
172 100
171 35.4 29.6 44.4
170 23.4 19.5 29.3

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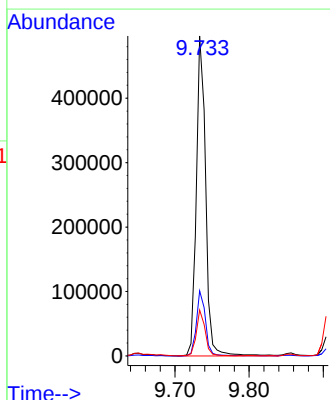
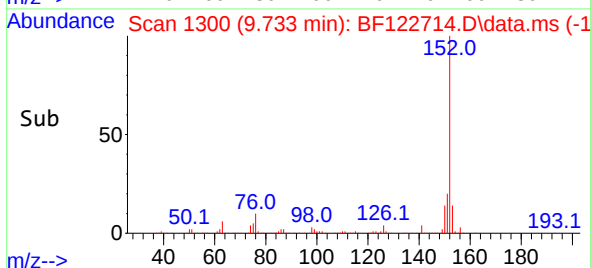
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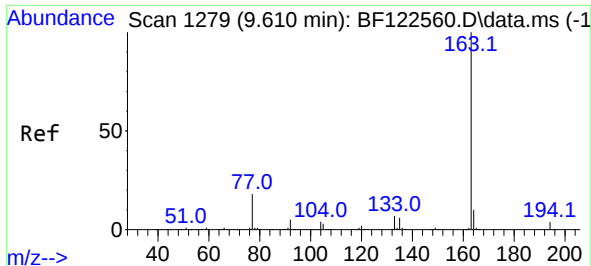


#49
Acenaphthylene
Concen: 12.55 ng
RT: 9.733 min Scan# 1300
Delta R.T. -0.012 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

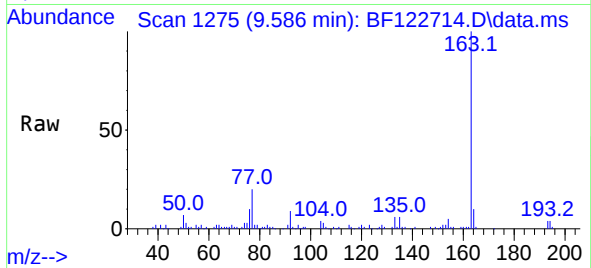


Tgt Ion:152 Resp: 433917
Ion Ratio Lower Upper
152 100
151 20.3 16.6 25.0
153 14.3 10.9 16.3

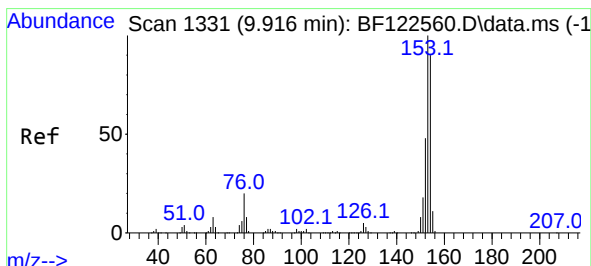
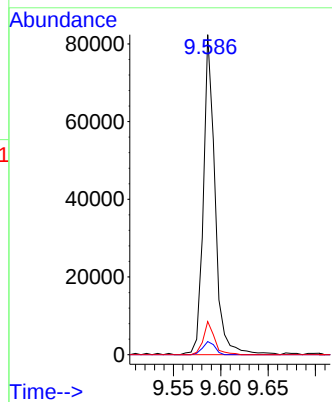
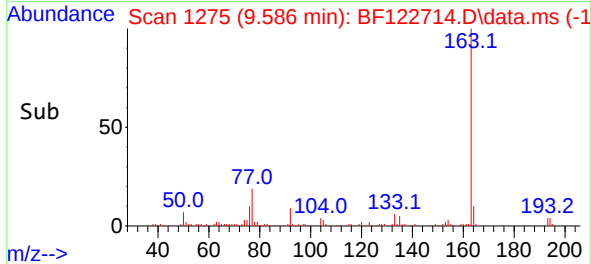




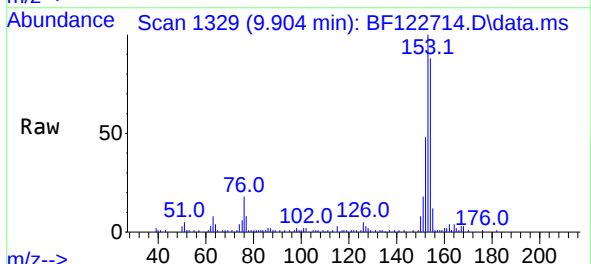
#50
Dimethylphthalate
Concen: 2.61 ng
RT: 9.586 min Scan# 1275
Delta R.T. -0.024 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30



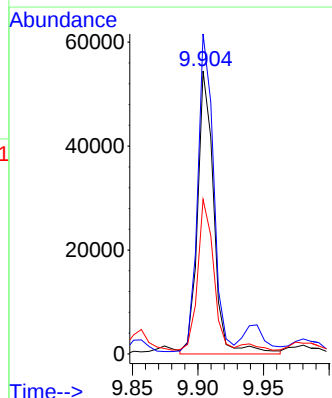
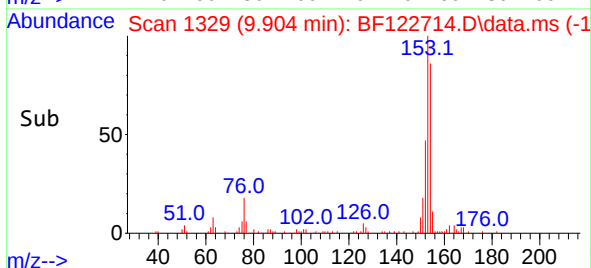
Tgt Ion:163 Resp: 70867
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.0
164 10.3 8.1 12.1



#52
Acenaphthene
Concen: 2.11 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.012 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30



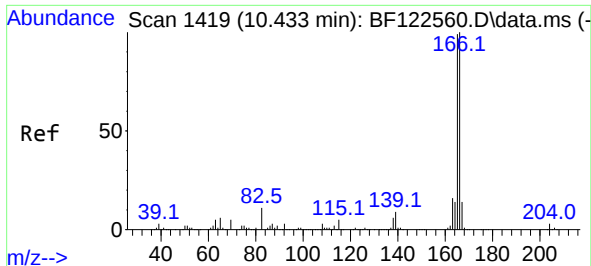
Tgt Ion:154 Resp: 47128
Ion Ratio Lower Upper
154 100
153 113.1 89.0 133.6
152 54.7 42.7 64.1



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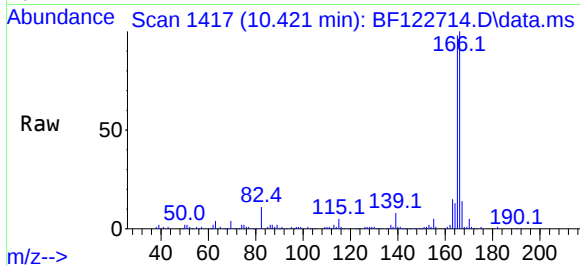
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#58
Fluorene
Concen: 4.62 ng
RT: 10.421 min Scan# 1417
Delta R.T. -0.012 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

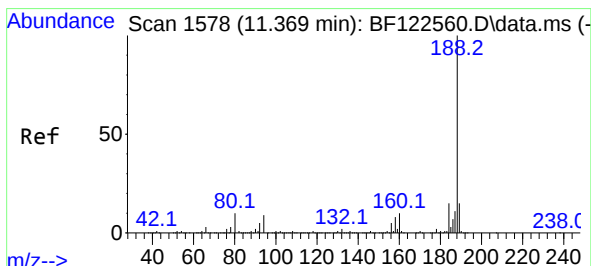
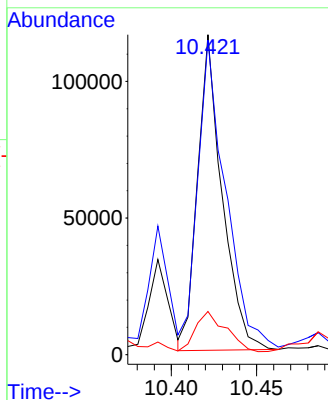
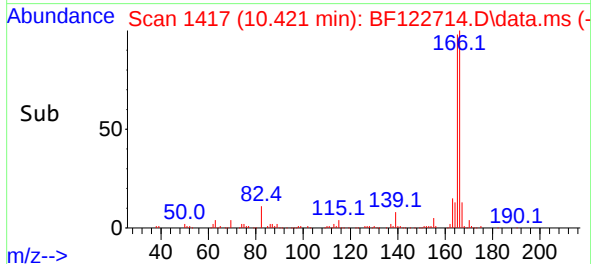
Instrument :
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ClientSampleId :
PE-7DL



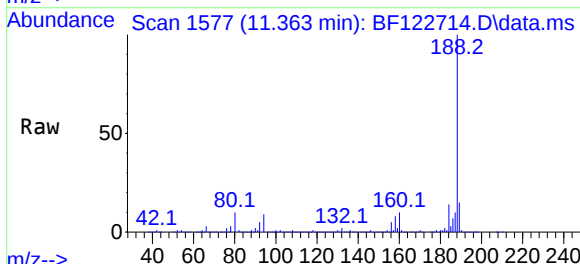
Tgt Ion:166 Resp: 115516
Ion Ratio Lower Upper
166 100
165 98.3 79.4 119.0
167 13.5 10.9 16.3

Manual Integrations
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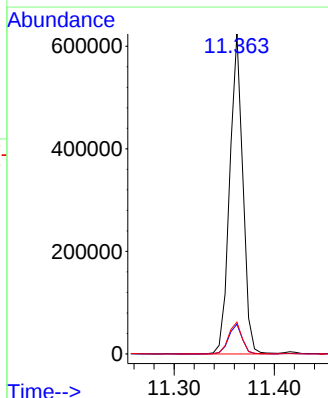
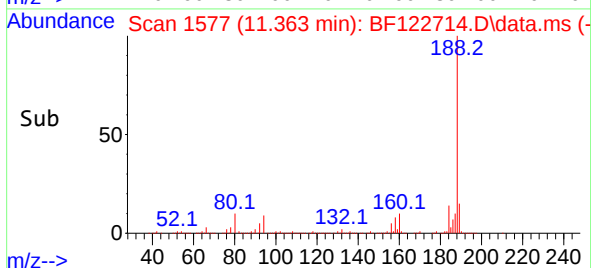
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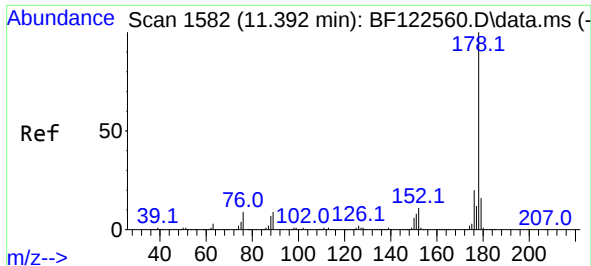


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30



Tgt Ion:188 Resp: 567064
Ion Ratio Lower Upper
188 100
94 9.3 7.4 11.2
80 9.9 8.2 12.4





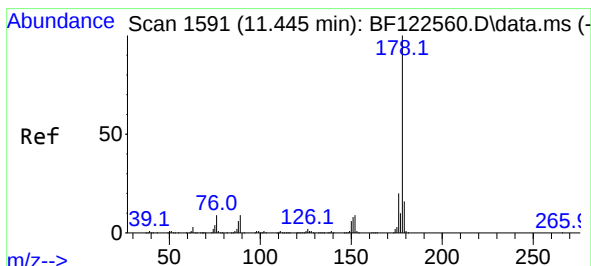
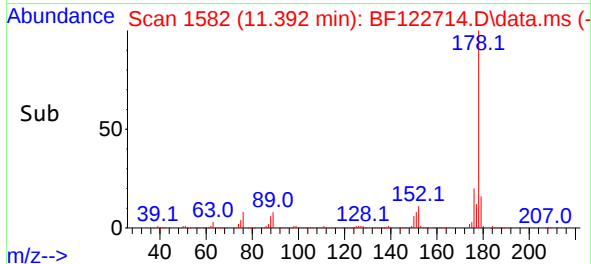
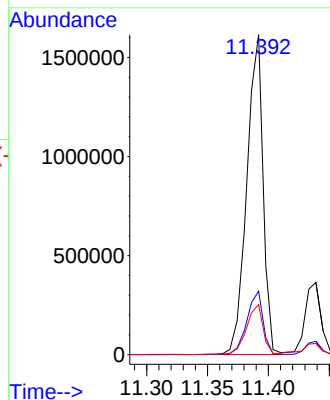
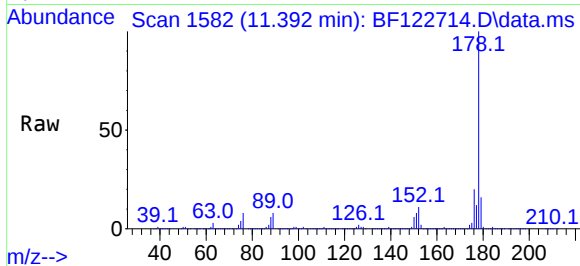
#71
Phenanthrene
Concen: 44.66 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

Tgt Ion:178 Resp: 1505016
Ion Ratio Lower Upper
178 100
176 19.8 16.2 24.2
179 15.7 12.7 19.1

Instrument :
BNA_F
ClientSampleId :
PE-7DL

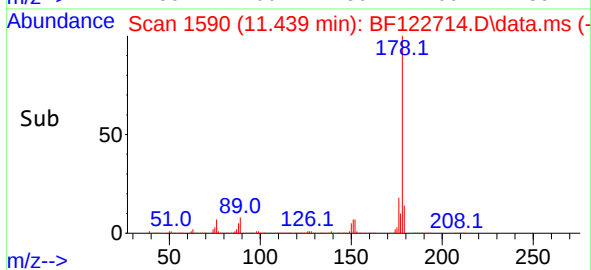
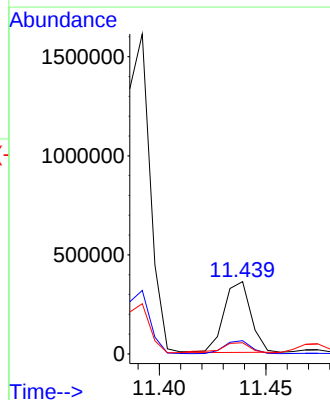
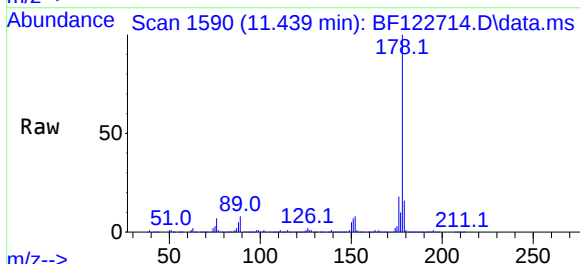
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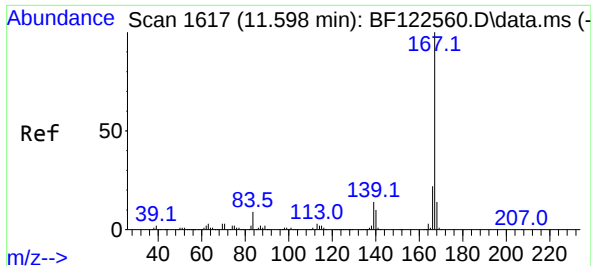
mohammad
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#72
Anthracene
Concen: 9.48 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.006 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

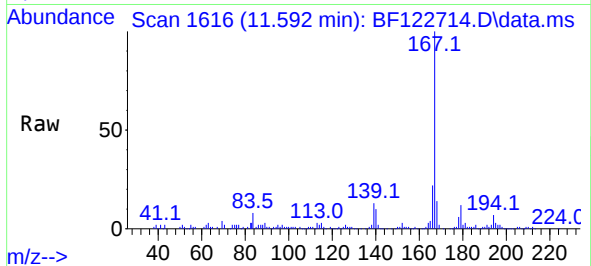
Tgt Ion:178 Resp: 316842
Ion Ratio Lower Upper
178 100
176 18.3 15.6 23.4
179 15.6 12.8 19.2





#73
 Carbazole
 Concen: 3.71 ng
 RT: 11.592 min Scan# 1616
 Delta R.T. -0.006 min
 Lab File: BF122714.D
 Acq: 14 Dec 2020 19:30

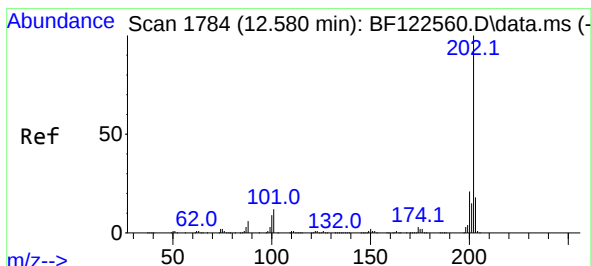
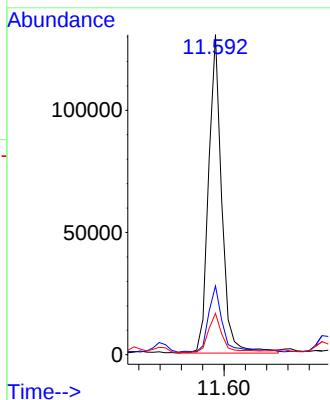
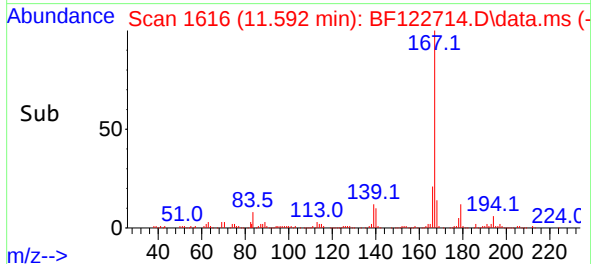
Instrument :
 BNA_F
 ClientSampleId :
 PE-7DL



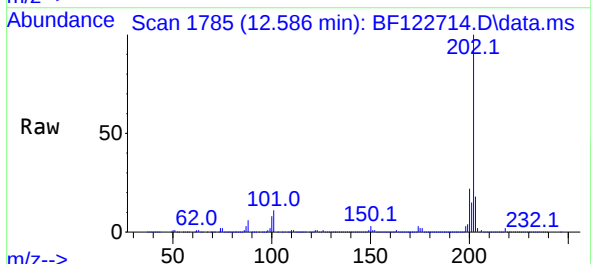
Tgt Ion:167 Resp: 112476
 Ion Ratio Lower Upper
 167 100
 166 21.5 18.0 27.0
 139 12.9 10.9 16.3

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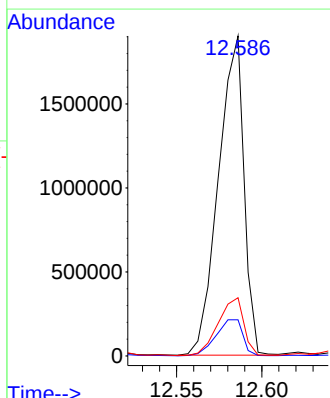
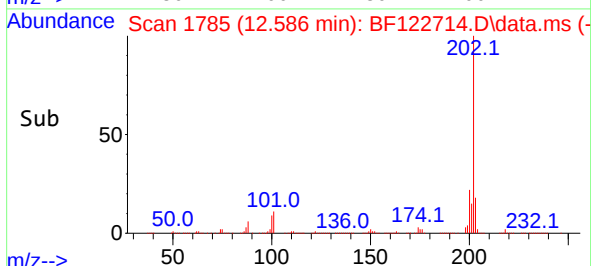
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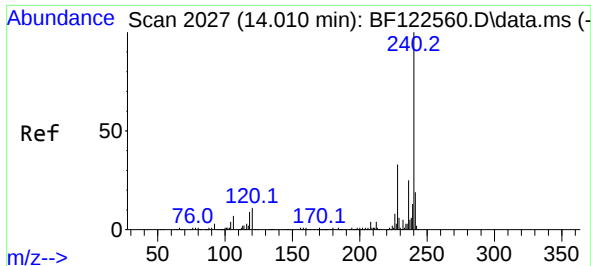


#75
 Fluoranthene
 Concen: 55.96 ng
 RT: 12.586 min Scan# 1785
 Delta R.T. 0.006 min
 Lab File: BF122714.D
 Acq: 14 Dec 2020 19:30

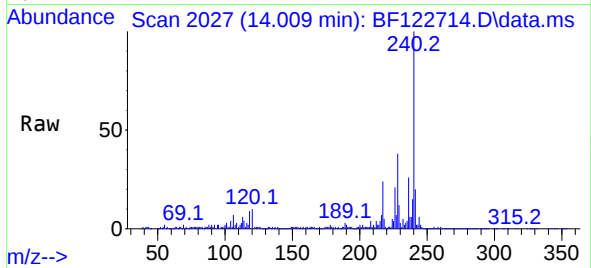


Tgt Ion:202 Resp: 1977704
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 32.2
 203 18.2 0.0 38.1

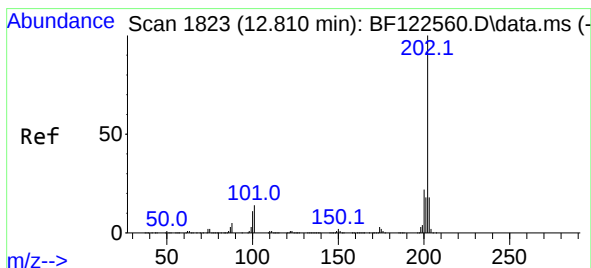
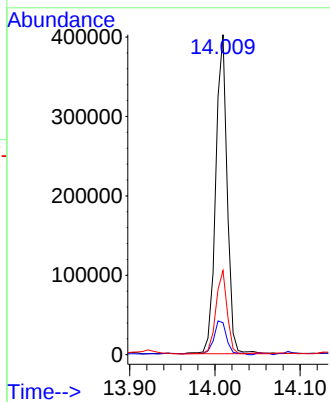
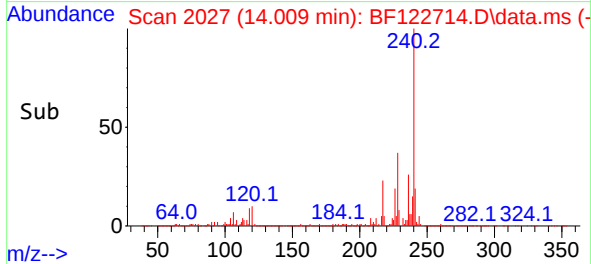




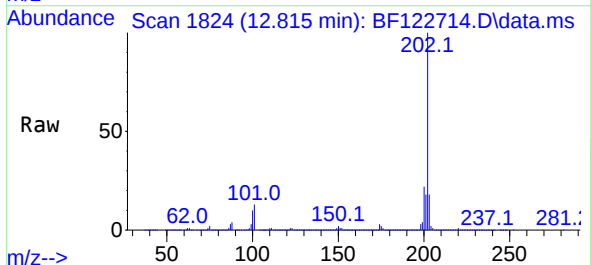
#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.009 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30



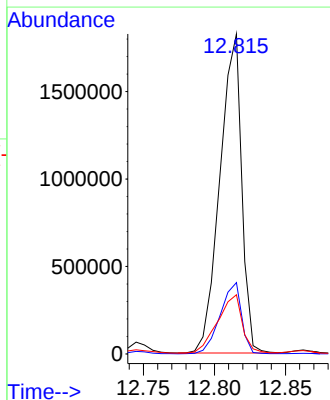
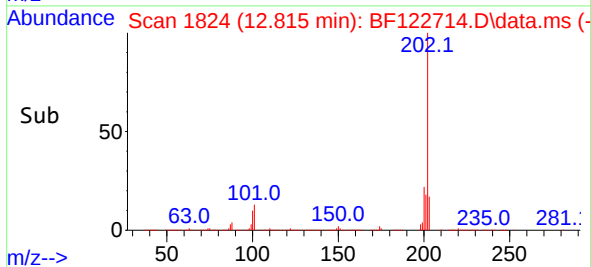
Tgt Ion:240 Resp: 375489
Ion Ratio Lower Upper
240 100
120 10.0 8.6 12.8
236 26.3 20.3 30.5



#78
Pyrene
Concen: 66.82 ng
RT: 12.815 min Scan# 1824
Delta R.T. 0.006 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30



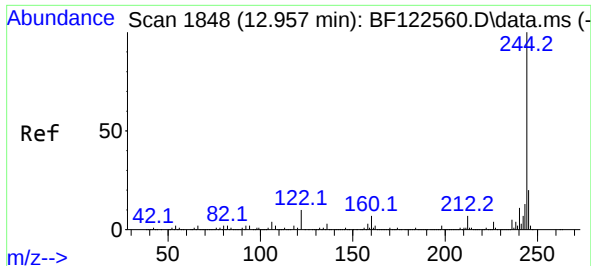
Tgt Ion:202 Resp: 1939905
Ion Ratio Lower Upper
202 100
200 22.3 17.6 26.4
203 18.5 14.6 21.8



Instrument :
BNA_F
ClientSampled :
PE-7DL

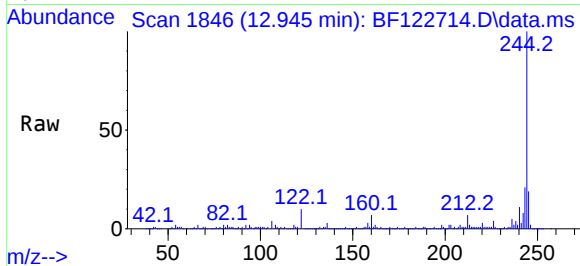
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#79
Terphenyl-d14
Concen: 25.54 ng
RT: 12.945 min Scan# 1846
Delta R.T. -0.012 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

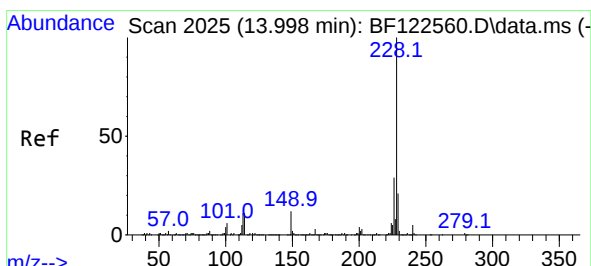
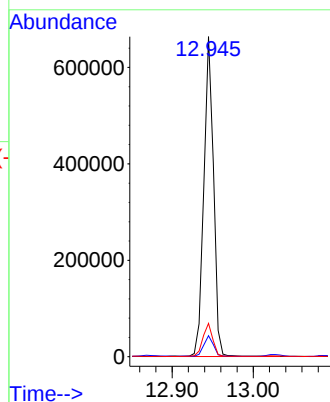
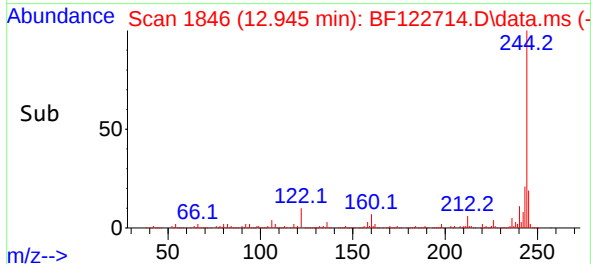
Instrument :
BNA_F
ClientSampleId :
PE-7DL



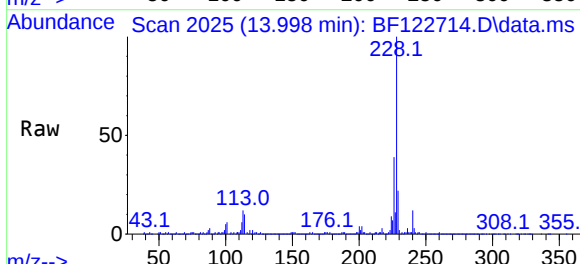
Tgt Ion:244 Resp: 547928
Ion Ratio Lower Upper
244 100
212 6.5 5.7 8.5
122 10.4 8.3 12.5

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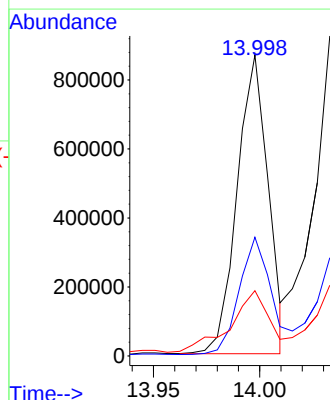
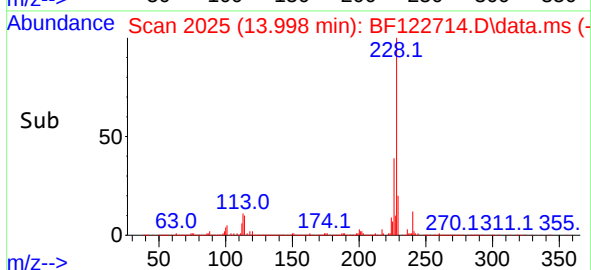
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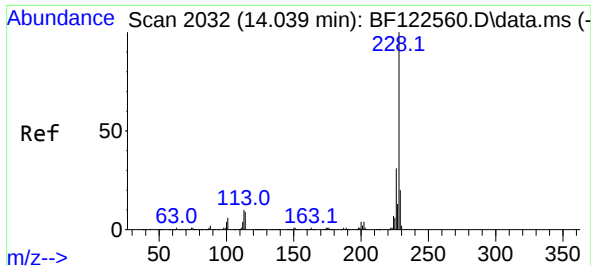


#81
Benzo(a)anthracene
Concen: 35.11 ng m
RT: 13.998 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30



Tgt Ion:228 Resp: 881105
Ion Ratio Lower Upper
228 100
226 39.4 23.0 34.4#
229 21.7 16.6 24.8





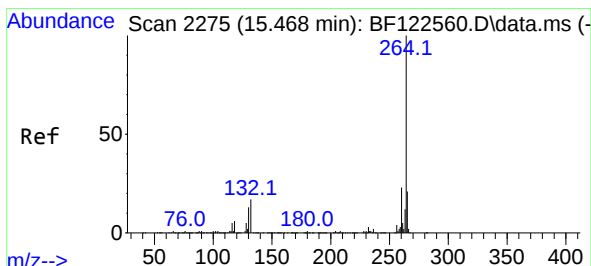
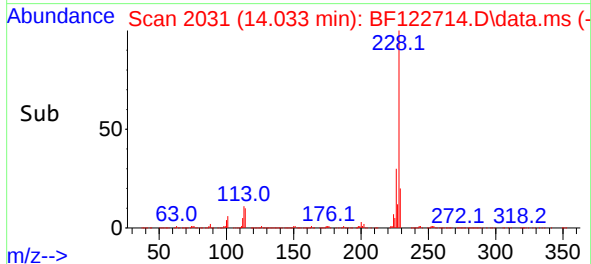
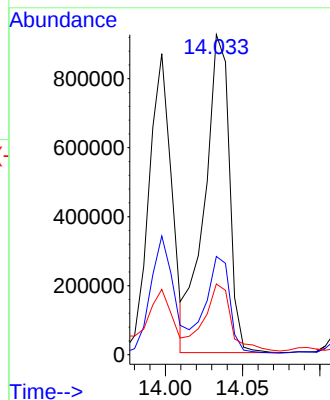
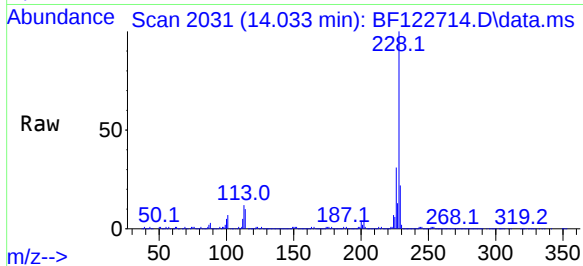
#83
Chrysene
Concen: 41.26 ng m
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

Tgt Ion:228 Resp: 1030466
Ion Ratio Lower Upper
228 100
226 30.7 24.6 36.8
229 22.1 15.8 23.6

Instrument :
BNA_F
ClientSampled :
PE-7DL

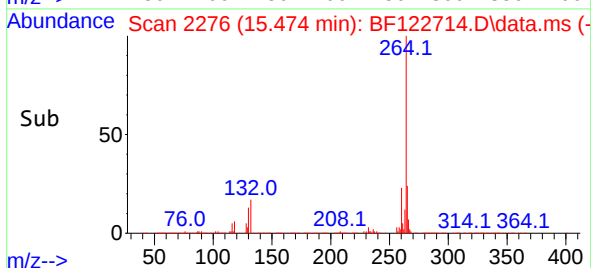
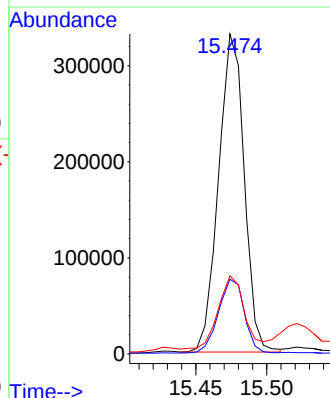
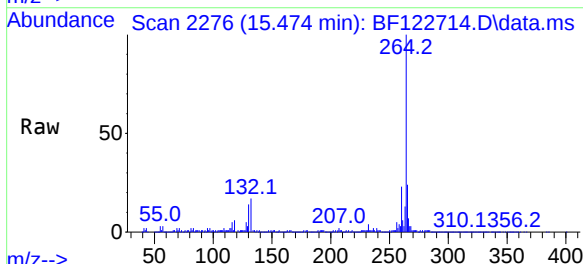
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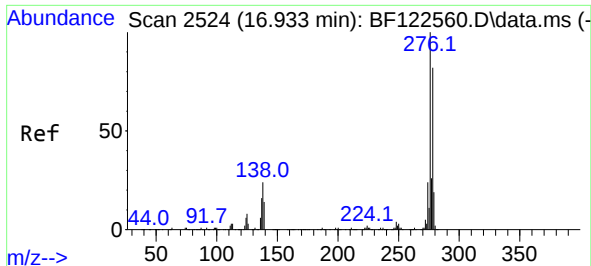
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.474 min Scan# 2276
Delta R.T. 0.006 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

Tgt Ion:264 Resp: 416084
Ion Ratio Lower Upper
264 100
260 23.4 18.6 28.0
265 24.4 17.0 25.6





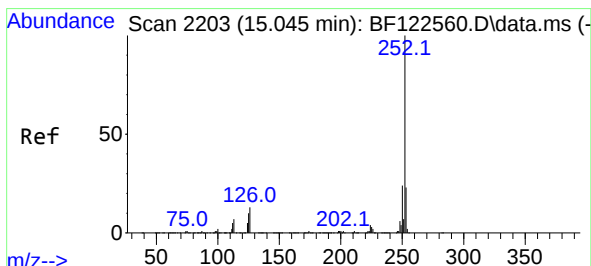
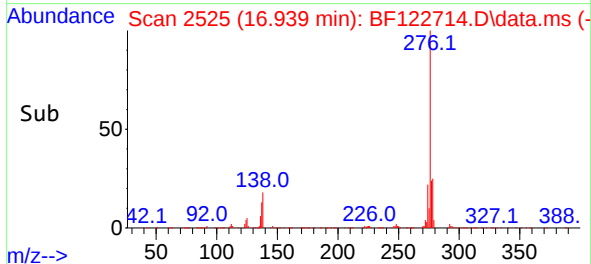
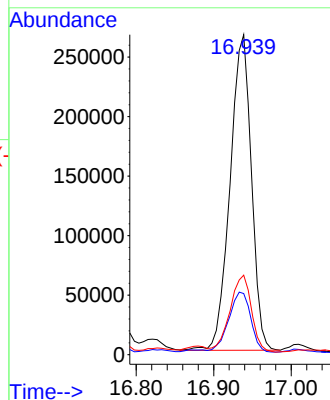
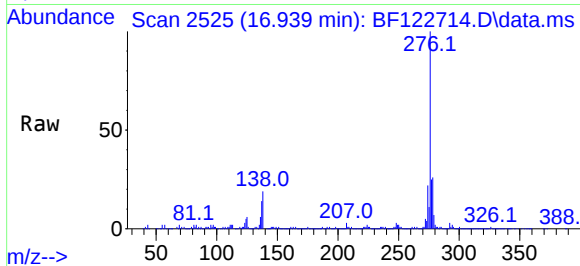
#87
Indeno(1,2,3-cd)pyrene
Concen: 18.60 ng
RT: 16.939 min Scan# 2525
Delta R.T. 0.006 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

Tgt Ion: 276 Resp: 507987
Ion Ratio Lower Upper
276 100
138 19.6 18.7 28.1
277 24.7 20.2 30.4

Instrument :
BNA_F
ClientSampleId :
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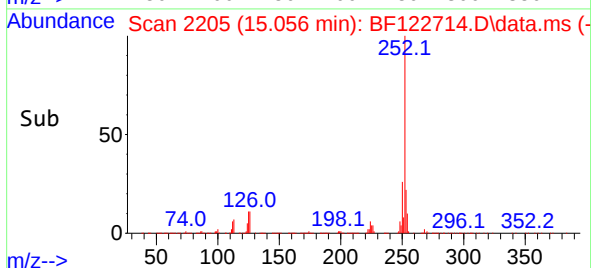
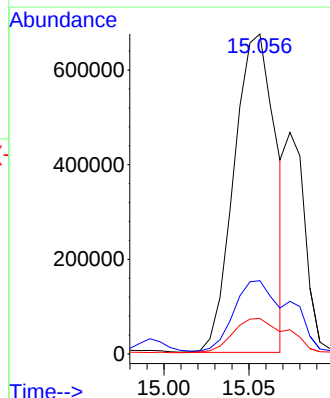
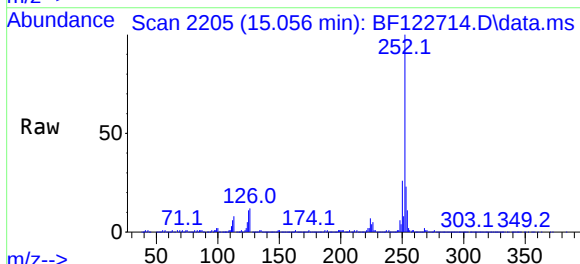
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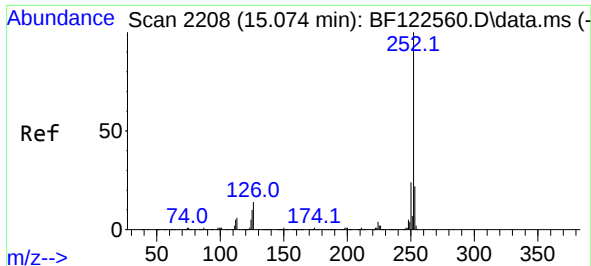
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#88
Benzo(b)fluoranthene
Concen: 39.05 ng m
RT: 15.056 min Scan# 2205
Delta R.T. 0.012 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

Tgt Ion: 252 Resp: 1139864
Ion Ratio Lower Upper
252 100
253 22.9 18.3 27.5
125 11.1 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 13.74 ng m

RT: 15.074 min Scan# 2208

Delta R.T. -0.000 min

Lab File: BF122714.D

Acq: 14 Dec 2020 19:30

Tgt Ion:	252	Resp:	366712
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.8	26.8
125	10.9	8.4	12.6

Instrument :

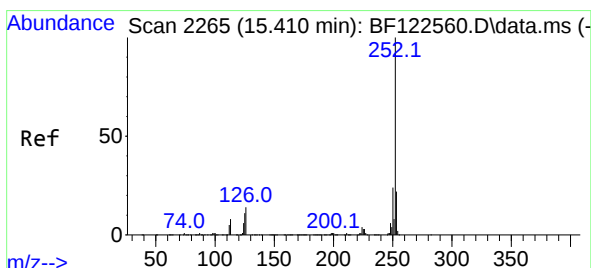
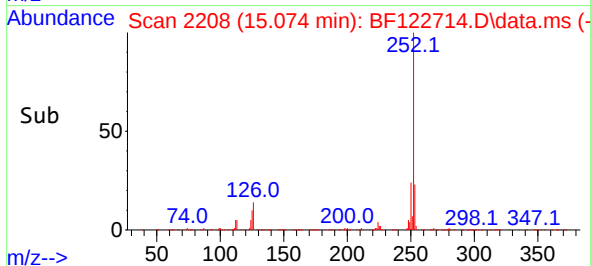
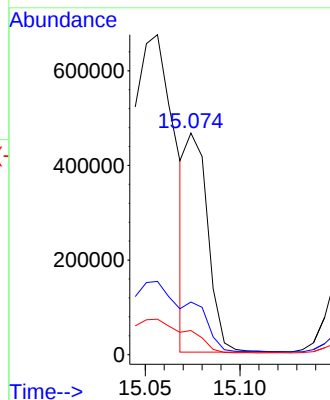
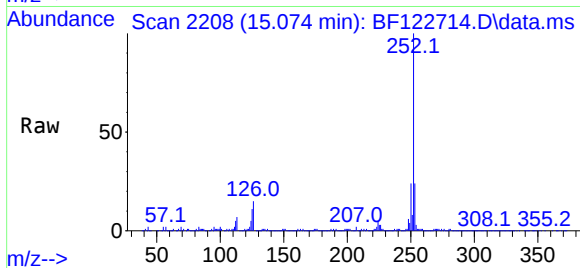
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ClientSampleId :

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#90

Benzo(a)pyrene

Concen: 32.20 ng

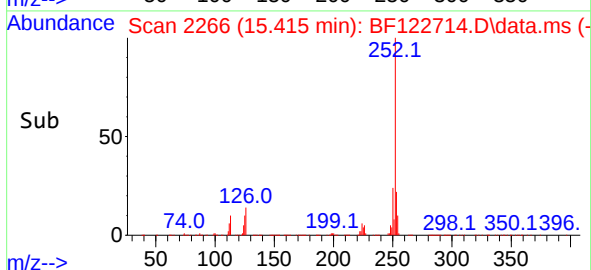
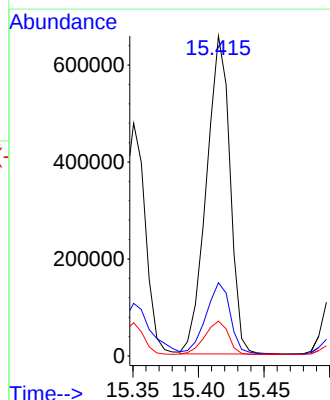
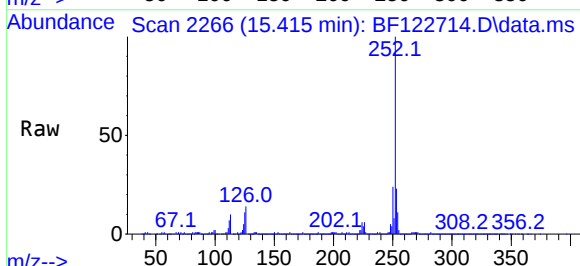
RT: 15.415 min Scan# 2266

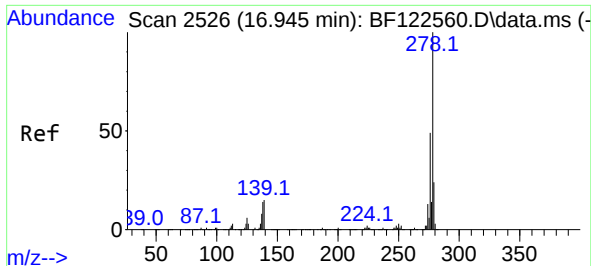
Delta R.T. 0.006 min

Lab File: BF122714.D

Acq: 14 Dec 2020 19:30

Tgt Ion:	252	Resp:	822375
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.5	26.3
125	10.9	8.6	12.8





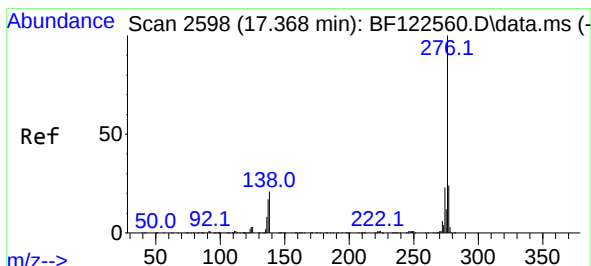
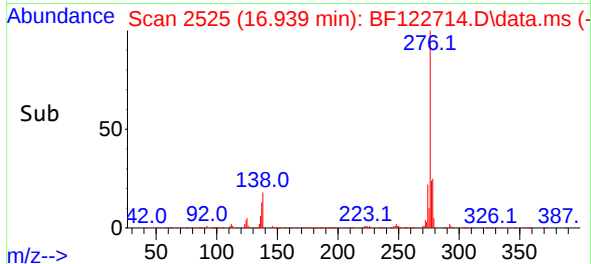
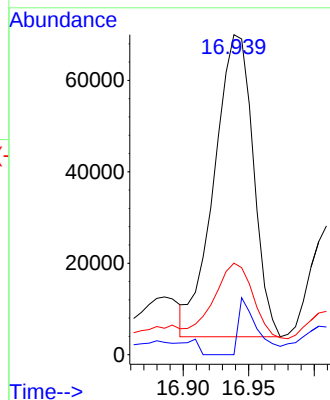
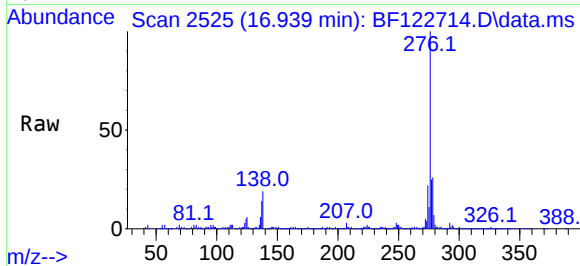
#91
Dibenzo(a,h)anthracene
Concen: 6.13 ng
RT: 16.939 min Scan# 2525
Delta R.T. -0.006 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

Tgt Ion: 278 Resp: 137052
Ion Ratio Lower Upper
278 100
139 0.0 12.0 18.0#
279 28.6 19.4 29.2

Instrument :
BNA_F
ClientSampled :
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#92
Benzo(g,h,i)perylene
Concen: 22.08 ng
RT: 17.380 min Scan# 2600
Delta R.T. 0.012 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

Tgt Ion: 276 Resp: 477746
Ion Ratio Lower Upper
276 100
277 23.9 19.3 28.9
138 20.5 16.6 24.8

