

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101421\
 Data File : BF125853.D
 Acq On : 14 Oct 2021 19:46
 Operator : JU/CG
 Sample : M4134-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-01

Manual Integrations
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mohammad
 10/18/2021 8:34:38 AM

Quant Time: Oct 15 10:42:39 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 14 12:29:41 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	181439	20.00	ng	-0.01
21) Naphthalene-d8	8.110	136	746013	20.00	ng	#-0.02
39) Acenaphthene-d10	9.863	164	381088	20.00	ng	-0.02
64) Phenanthrene-d10	11.345	188	582539	20.00	ng	#-0.02
76) Chrysene-d12	13.980	240	391094	20.00	ng	-0.02
86) Perylene-d12	15.433	264	380197	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	1001796	90.20	ng	-0.01
7) Phenol-d6	6.457	99	1241740	86.85	ng	-0.02
23) Nitrobenzene-d5	7.392	82	732292	61.02	ng	-0.02
42) 2,4,6-Tribromophenol	10.651	330	313360	83.28	ng	-0.02
45) 2-Fluorobiphenyl	9.186	172	1324514	59.95	ng	-0.02
79) Terphenyl-d14	12.927	244	994343	38.73	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.369	178	310063	9.95	ng	99
72) Anthracene	11.421	178	90785	2.92	ng	99
75) Fluoranthene	12.557	202	467221	16.61	ng	97
78) Pyrene	12.786	202	544360	13.70	ng	98
81) Benzo(a)anthracene	13.968	228	256094	10.09	ng	99
83) Chrysene	14.004	228	220918	8.81	ng	98
87) Indeno(1,2,3-cd)pyrene	16.862	276	97101	3.35	ng	94
88) Benzo(b)fluoranthene	15.009	252	271083m	12.63	ng	
89) Benzo(k)fluoranthene	15.033	252	78926m	3.58	ng	
90) Benzo(a)pyrene	15.368	252	193802	10.20	ng	100
92) Benzo(g,h,i)perylene	17.298	276	90272	3.69	ng	97

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

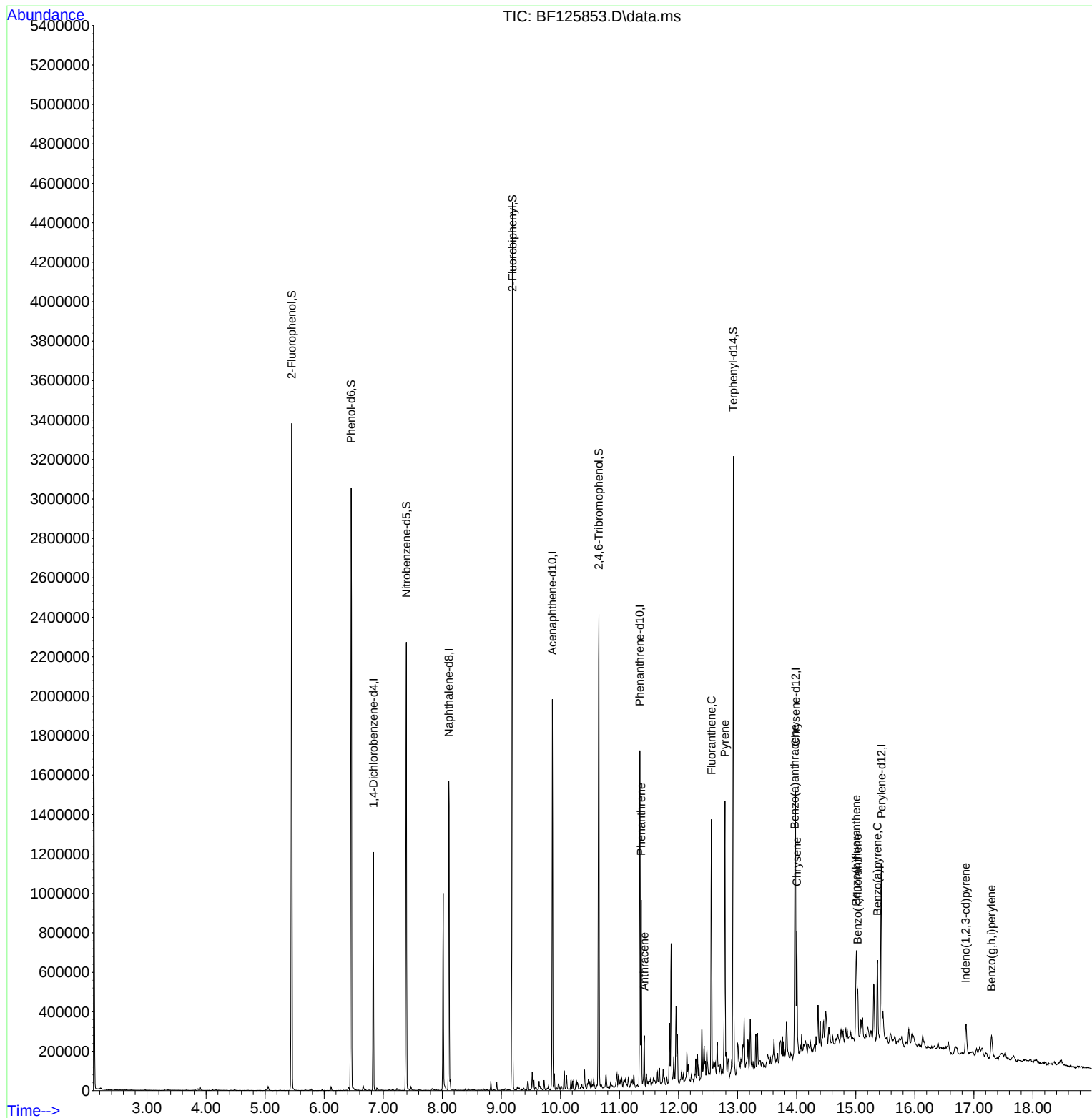
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101421\
Data File : BF125853.D
Acq On : 14 Oct 2021 19:46
Operator : JU/CG
Sample : M4134-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

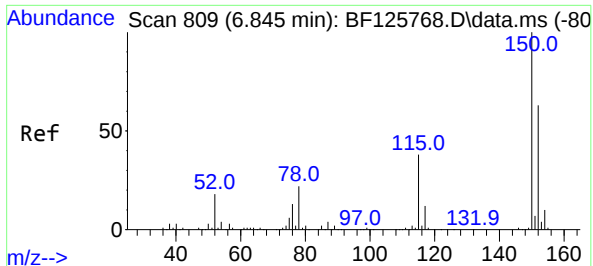
Instrument :
BNA_F
ClientSampleId :
SP-01

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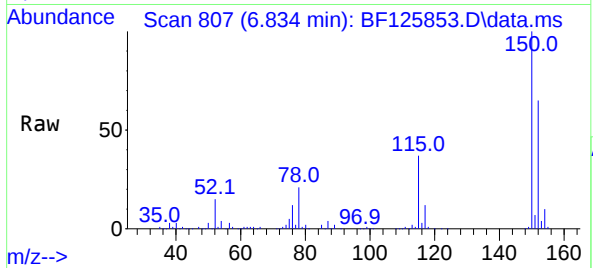
Quant Time: Oct 15 10:42:39 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 14 12:29:41 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.834 min Scan# 807
Delta R.T. -0.011 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46

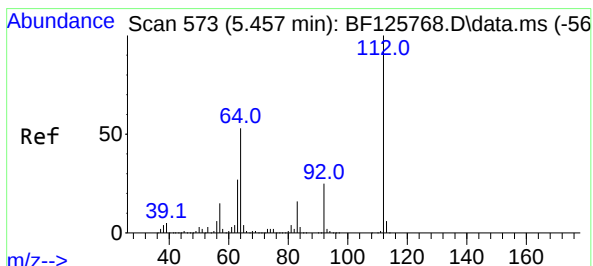
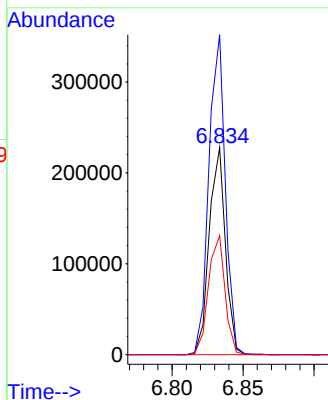
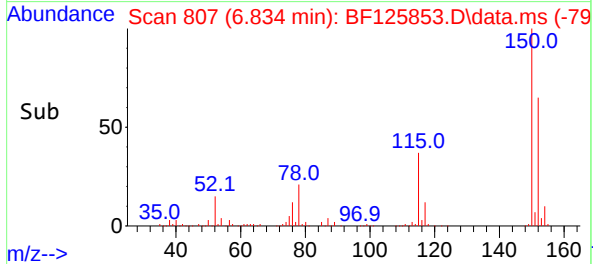
Instrument :
BNA_F
ClientSampled :
SP-01



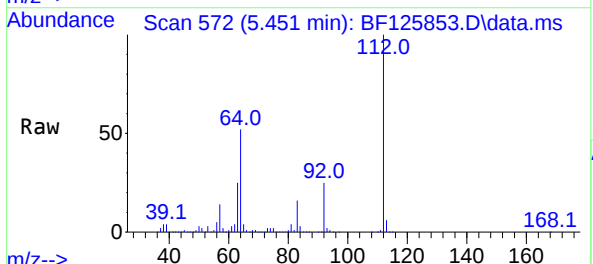
Tgt Ion:152 Resp: 181439
Ion Ratio Lower Upper
152 100
150 154.6 117.6 176.4
115 57.5 47.1 70.7

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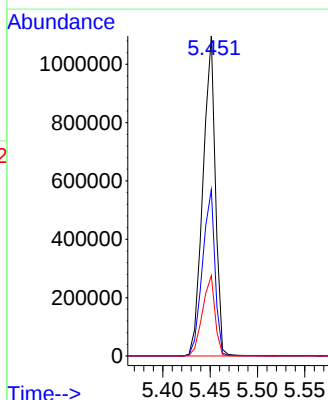
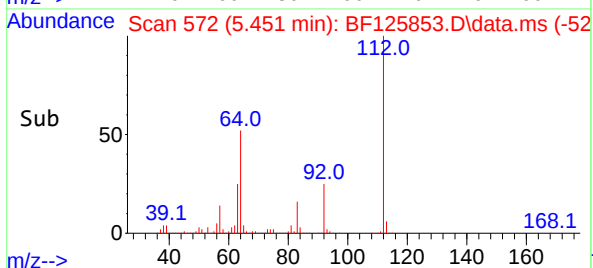
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#5
2-Fluorophenol
Concen: 90.20 ng
RT: 5.451 min Scan# 572
Delta R.T. -0.012 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46



Tgt Ion:112 Resp: 1001796
Ion Ratio Lower Upper
112 100
64 52.0 44.2 66.2
63 25.1 26.2 39.2#





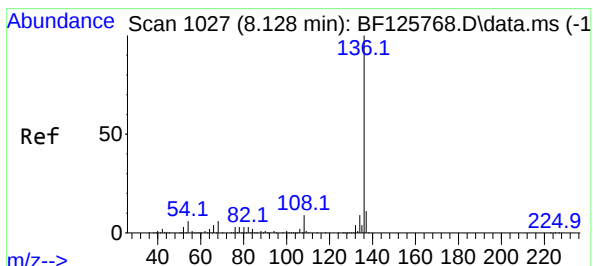
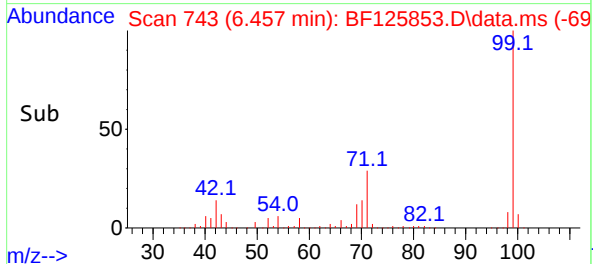
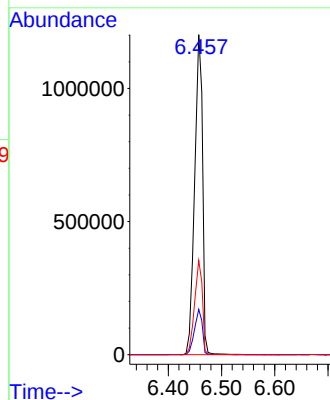
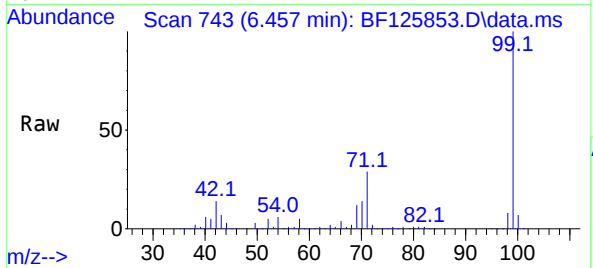
#7
Phenol-d6
Concen: 86.85 ng
RT: 6.457 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46

Tgt Ion: 99 Resp: 1241740
Ion Ratio Lower Upper
99 100
42 14.2 23.5 35.3#
71 29.4 25.6 38.4

Instrument :
BNA_F
ClientSampleId :
SP-01

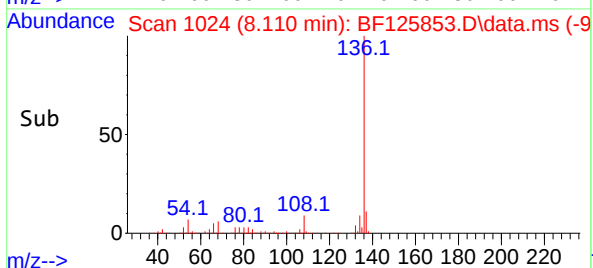
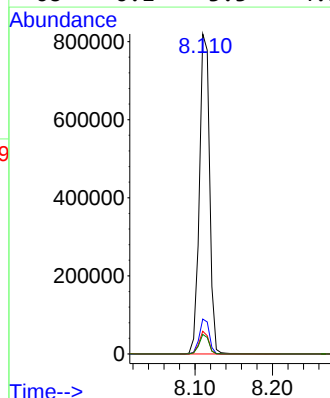
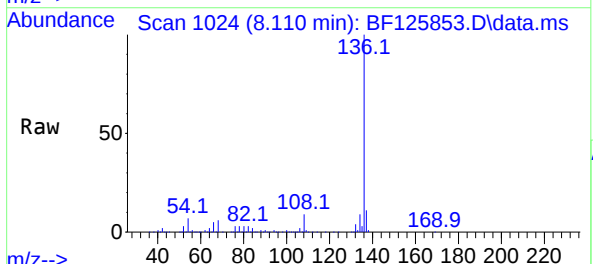
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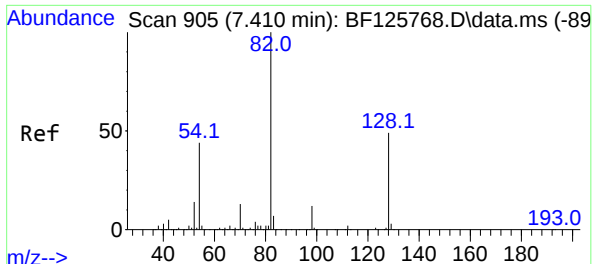
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.018 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46

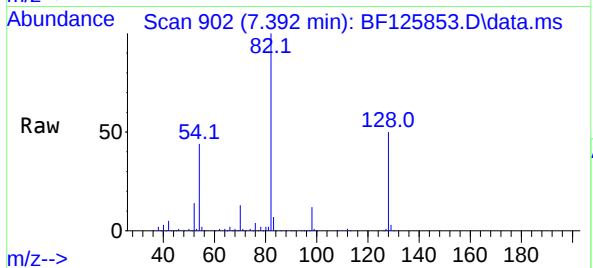
Tgt Ion: 136 Resp: 746013
Ion Ratio Lower Upper
136 100
137 10.9 9.8 14.6
54 7.1 6.4 9.6
68 6.1 3.3 4.9#





#23
Nitrobenzene-d5
Concen: 61.02 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.018 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46

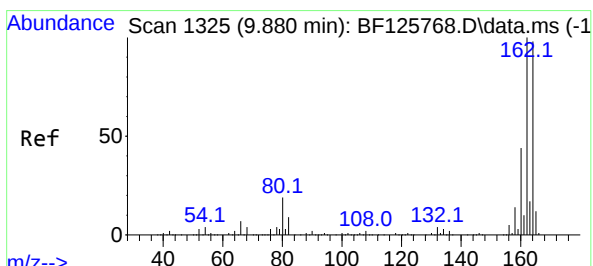
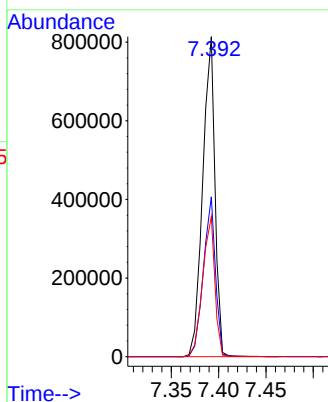
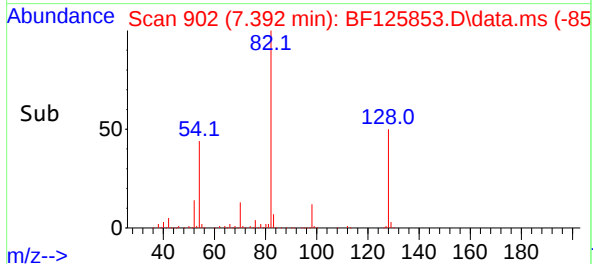
Instrument :
BNA_F
ClientSampled :
SP-01



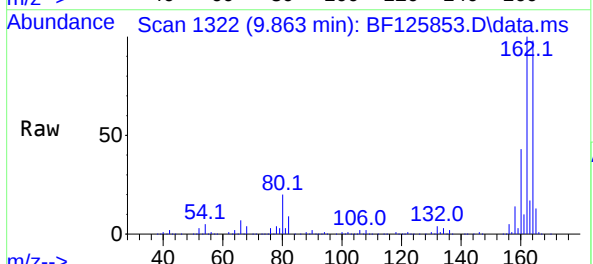
Tgt Ion: 82 Resp: 732292
Ion Ratio Lower Upper
82 100
128 49.9 40.6 60.8
54 43.7 49.6 74.4#

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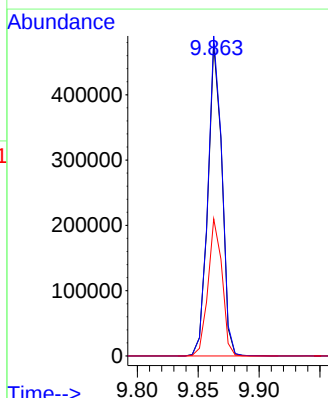
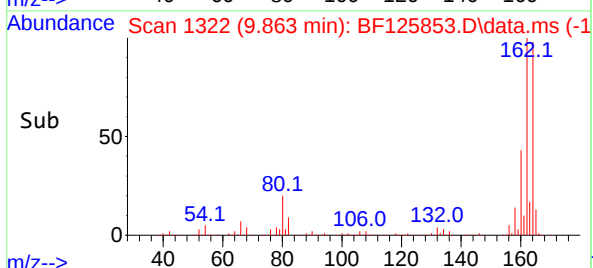
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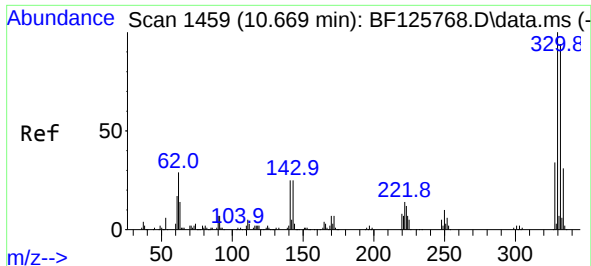


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.018 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46



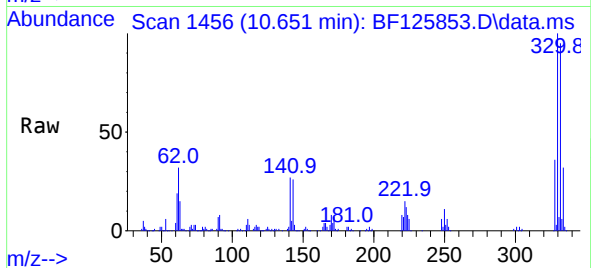
Tgt Ion: 164 Resp: 381088
Ion Ratio Lower Upper
164 100
162 102.5 81.3 121.9
160 43.9 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 83.28 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.018 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46

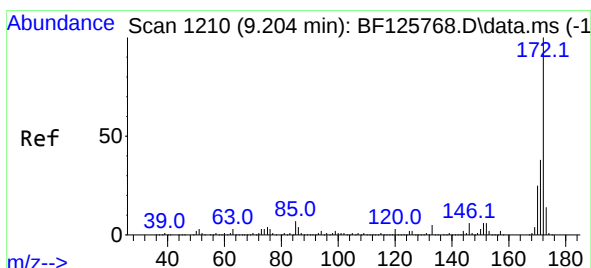
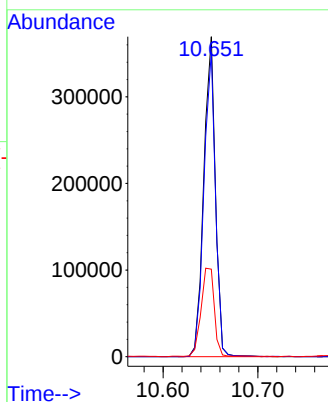
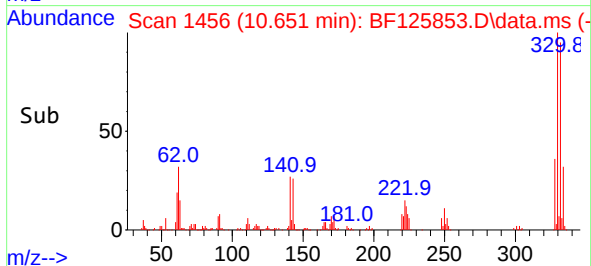
Instrument :
BNA_F
ClientSampled :
SP-01



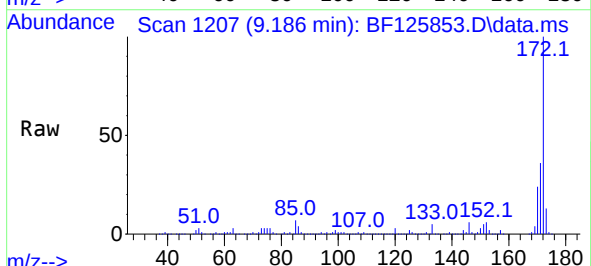
Tgt Ion:330 Resp: 313360
Ion Ratio Lower Upper
330 100
332 95.1 76.2 114.4
141 31.8 44.6 66.8#

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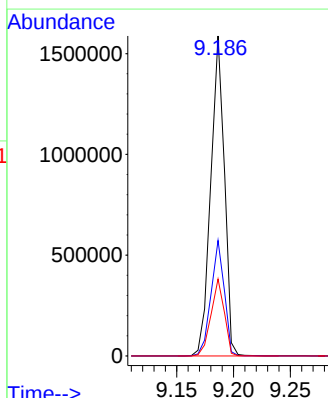
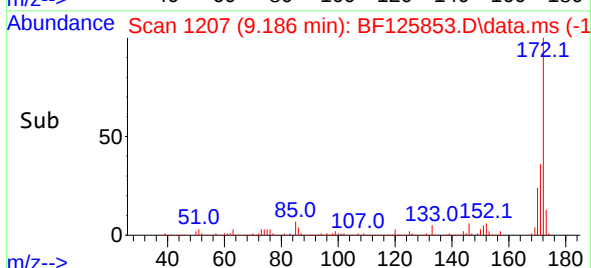
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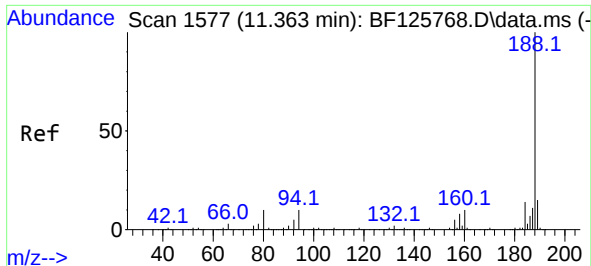


#45
2-Fluorobiphenyl
Concen: 59.95 ng
RT: 9.186 min Scan# 1207
Delta R.T. -0.018 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46



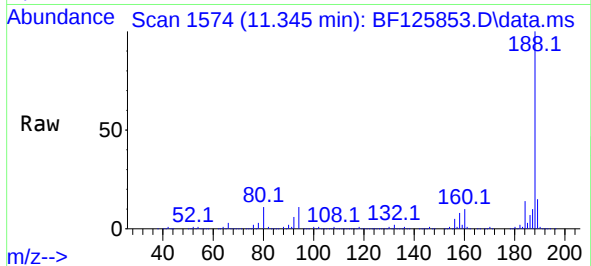
Tgt Ion:172 Resp: 1324514
Ion Ratio Lower Upper
172 100
171 36.1 26.5 39.7
170 24.0 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.018 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46

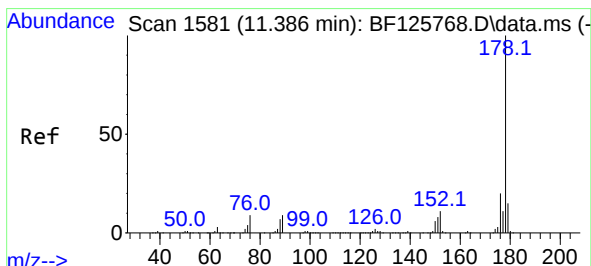
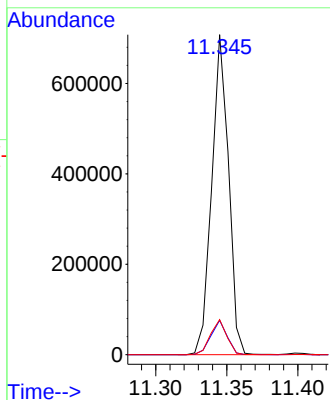
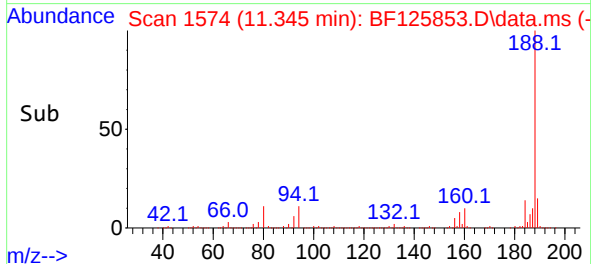
Instrument :
BNA_F
ClientSampleId :
SP-01



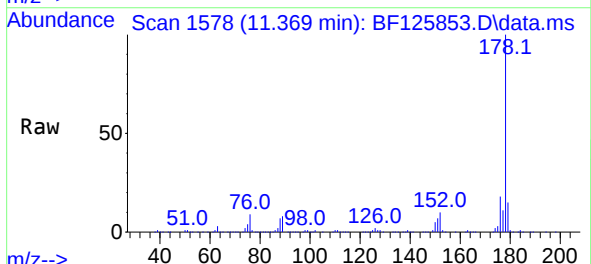
Tgt Ion:188 Resp: 582539
Ion Ratio Lower Upper
188 100
94 10.8 6.7 10.1#
80 10.9 7.5 11.3

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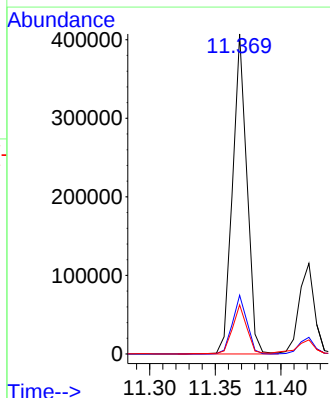
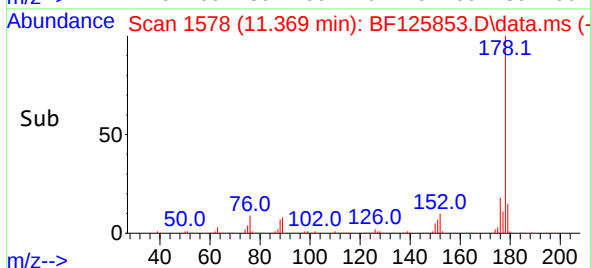
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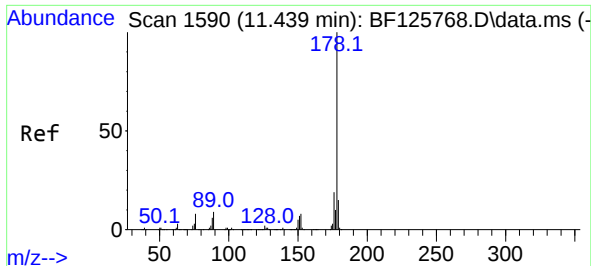


#71
Phenanthrene
Concen: 9.95 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.024 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46



Tgt Ion:178 Resp: 310063
Ion Ratio Lower Upper
178 100
176 18.3 14.7 22.1
179 15.4 11.5 17.3





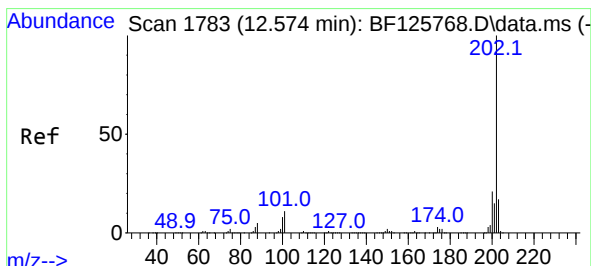
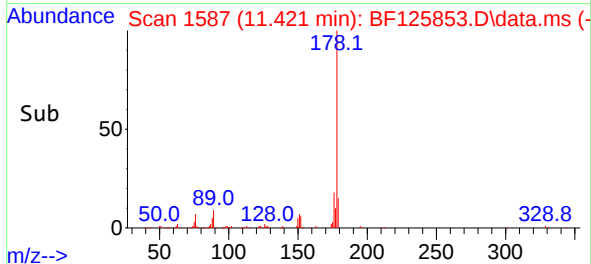
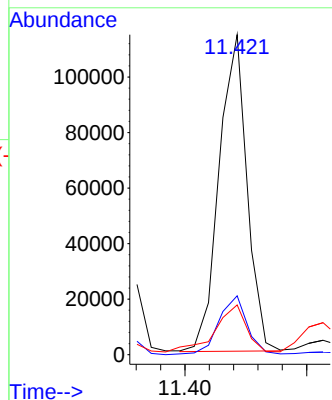
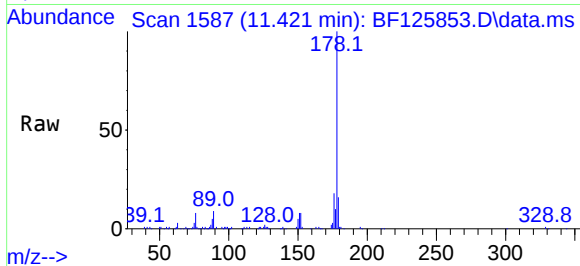
#72
 Anthracene
 Concen: 2.92 ng
 RT: 11.421 min Scan# 1587
 Delta R.T. -0.018 min
 Lab File: BF125853.D
 Acq: 14 Oct 2021 19:46

Tgt Ion:178	Resp:	90785
Ion Ratio	Lower	Upper
178	100	
176	18.4	14.3 21.5
179	15.6	12.2 18.4

Instrument :
 BNA_F
 ClientSampled :
 SP-01

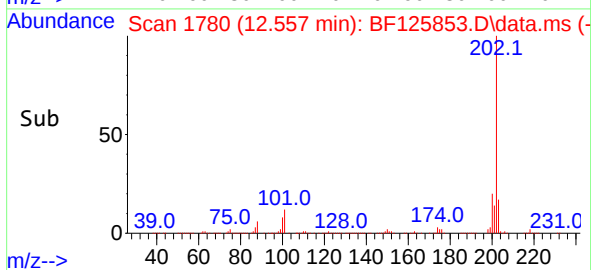
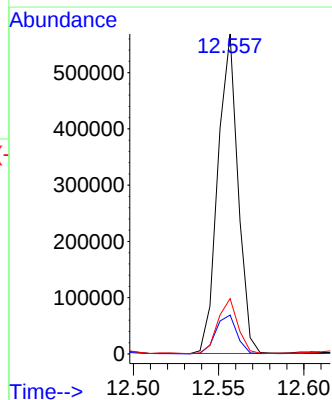
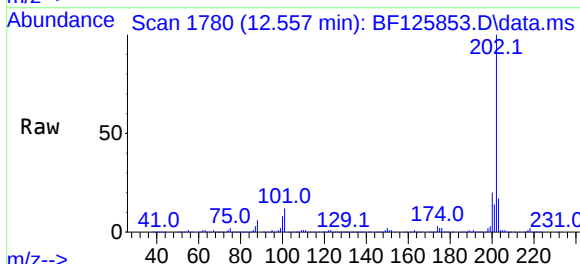
Manual Integrations
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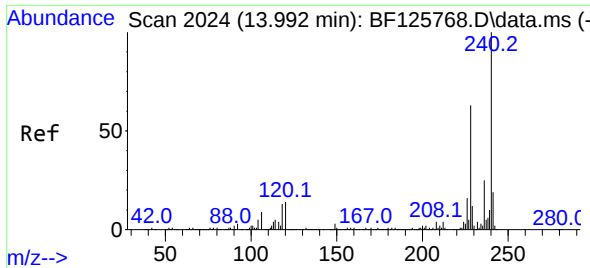
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#75
 Fluoranthene
 Concen: 16.61 ng
 RT: 12.557 min Scan# 1780
 Delta R.T. -0.018 min
 Lab File: BF125853.D
 Acq: 14 Oct 2021 19:46

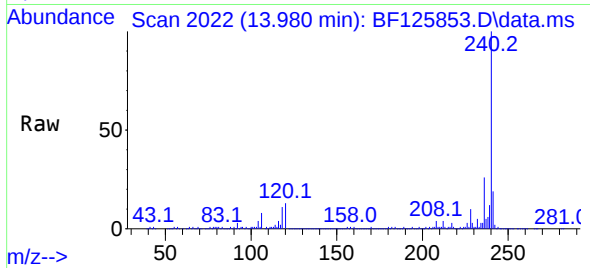
Tgt Ion:202	Resp:	467221
Ion Ratio	Lower	Upper
202	100	
101	12.1	0.0 30.7
203	17.3	0.0 36.3





#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.018 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46

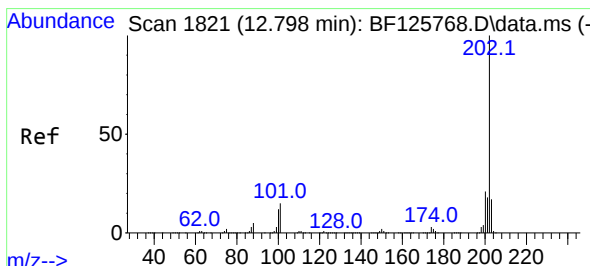
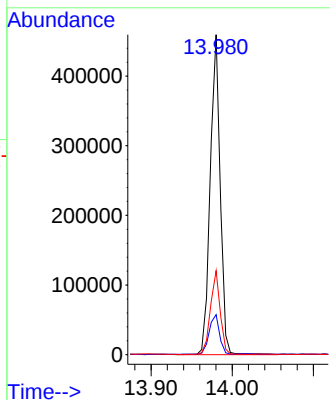
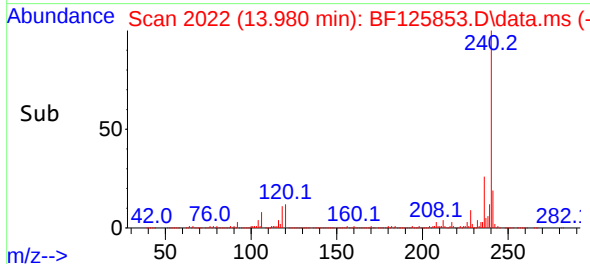
Instrument :
BNA_F
ClientSampled :
SP-01



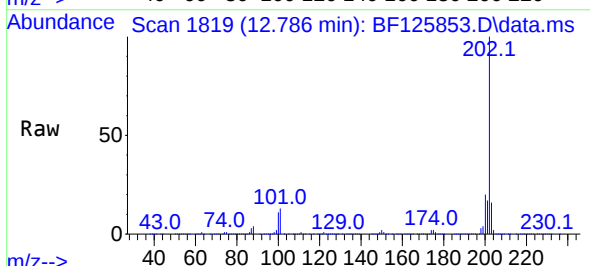
Tgt Ion:240 Resp: 391094
Ion Ratio Lower Upper
240 100
120 12.5 10.8 16.2
236 26.3 21.6 32.4

Manual Integrations
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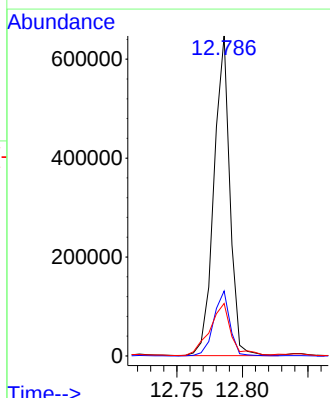
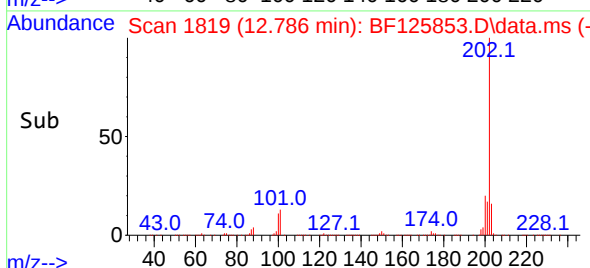
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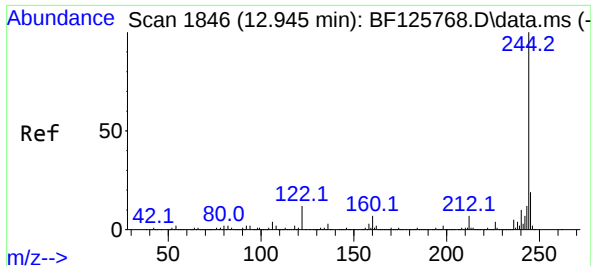


#78
Pyrene
Concen: 13.70 ng
RT: 12.786 min Scan# 1819
Delta R.T. -0.018 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46

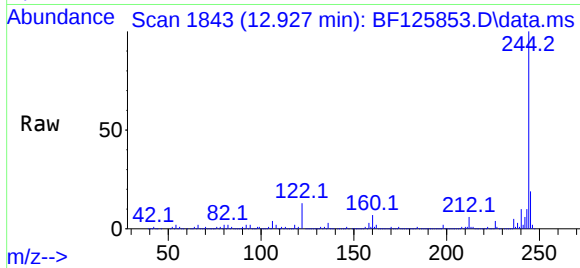


Tgt Ion:202 Resp: 544360
Ion Ratio Lower Upper
202 100
200 20.3 15.3 22.9
203 16.4 13.4 20.0

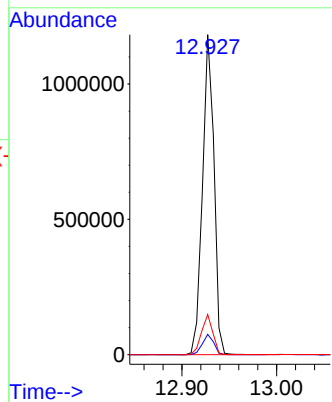
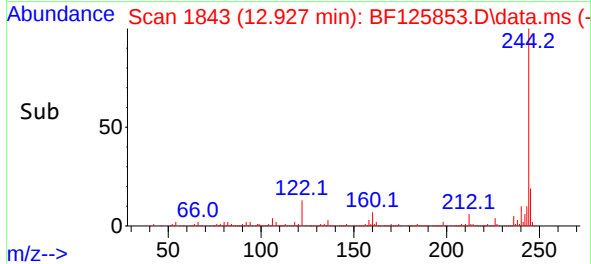




#79
Terphenyl-d14
Concen: 38.73 ng
RT: 12.927 min Scan# 1843
Delta R.T. -0.018 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46



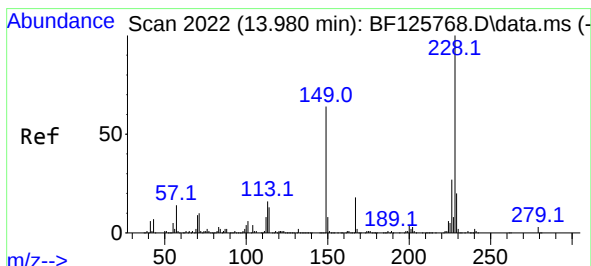
Tgt Ion:244 Resp: 994343
Ion Ratio Lower Upper
244 100
212 6.4 5.9 8.9
122 12.5 9.0 13.4



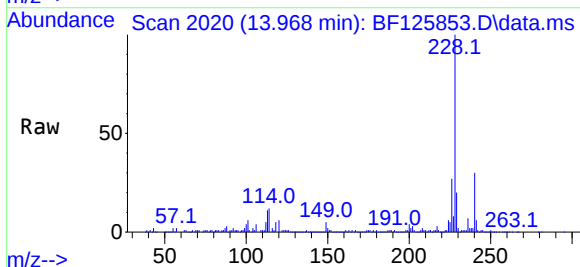
Instrument :
BNA_F
ClientSampled :
SP-01

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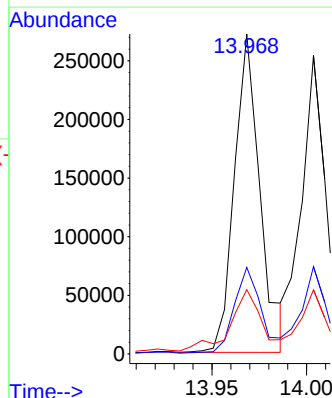
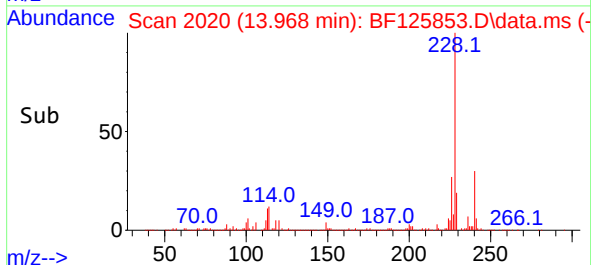
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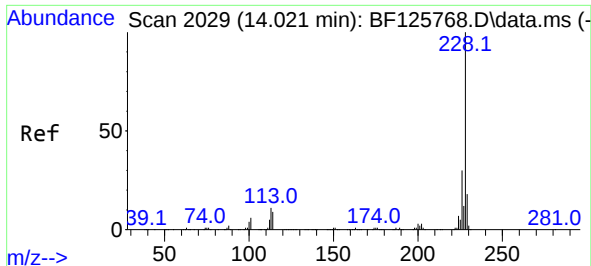


#81
Benzo(a)anthracene
Concen: 10.09 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.018 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46

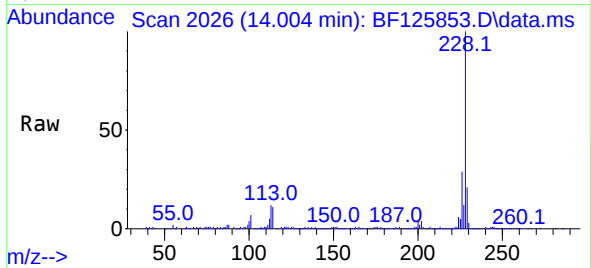


Tgt Ion:228 Resp: 256094
Ion Ratio Lower Upper
228 100
226 27.1 21.6 32.4
229 20.1 15.6 23.4

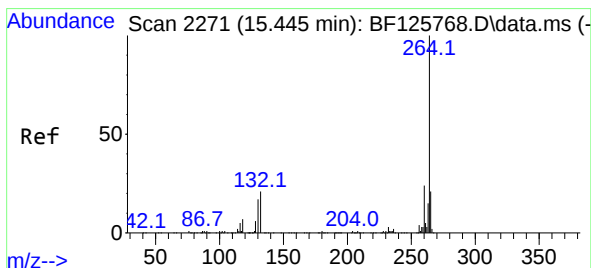
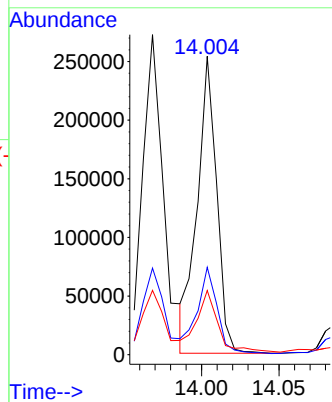
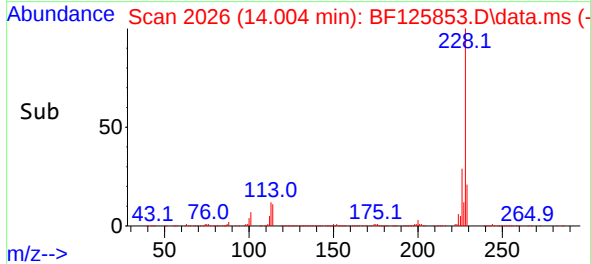




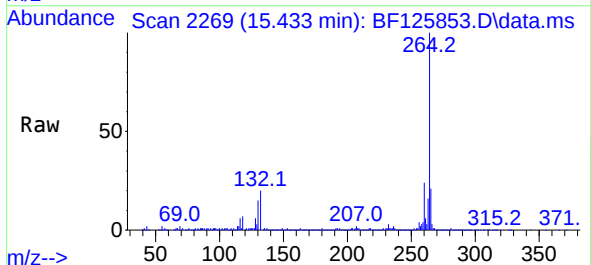
#83
Chrysene
Concen: 8.81 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.024 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46



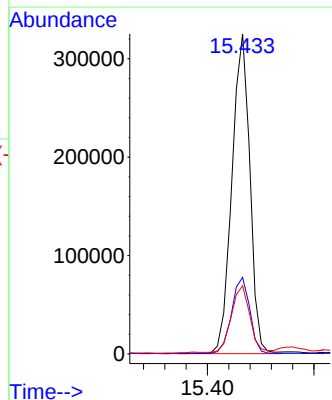
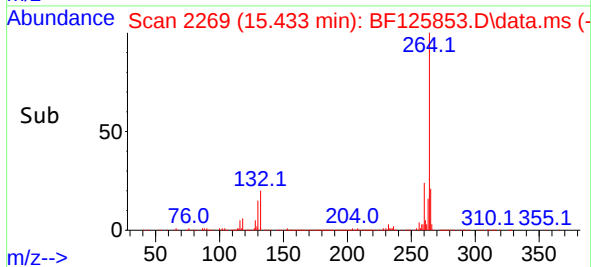
Tgt Ion:228 Resp: 220918
Ion Ratio Lower Upper
228 100
226 29.3 22.6 34.0
229 21.5 15.9 23.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.433 min Scan# 2269
Delta R.T. -0.018 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46



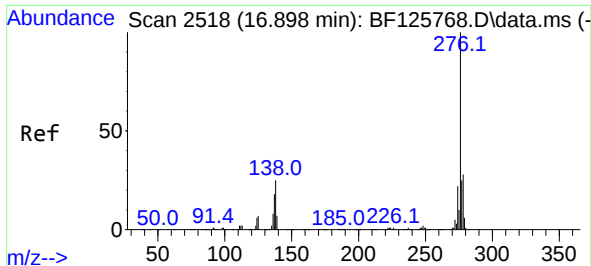
Tgt Ion:264 Resp: 380197
Ion Ratio Lower Upper
264 100
260 23.9 19.6 29.4
265 21.3 17.2 25.8



Instrument :
BNA_F
ClientSampleId :
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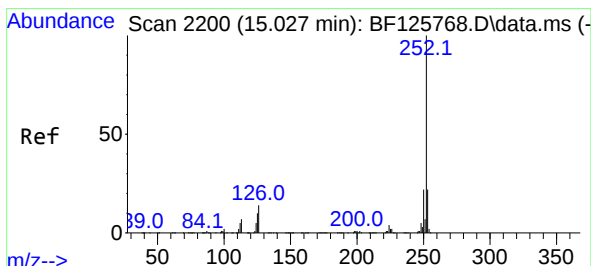
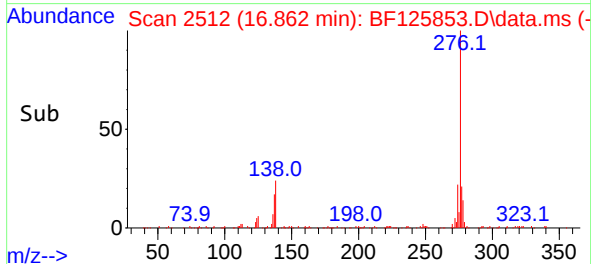
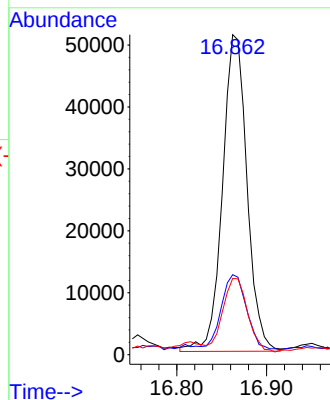
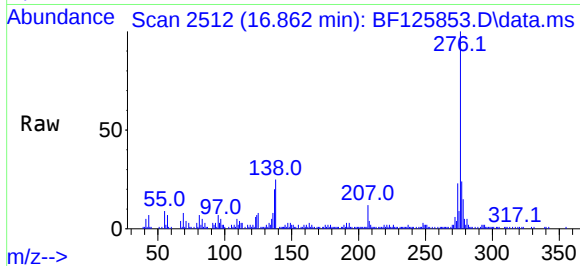
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.35 ng
RT: 16.862 min Scan# 2512
Delta R.T. -0.047 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46

Tgt Ion:	276	Resp:	97101
Ion Ratio	Lower	Upper	
276	100		
138	24.3	24.1	36.1
277	23.5	18.8	28.2

Instrument :
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ClientSampled :
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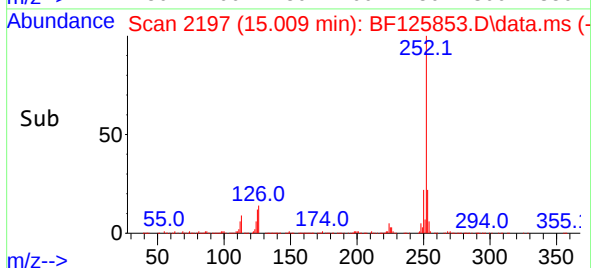
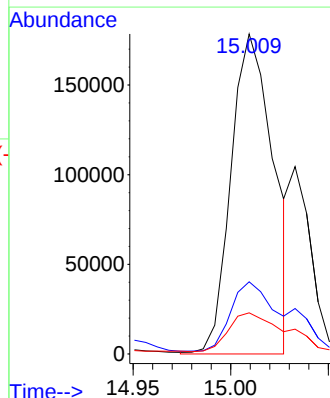
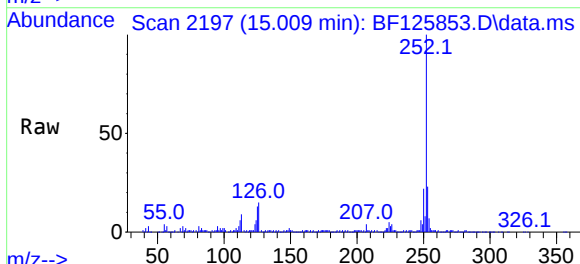
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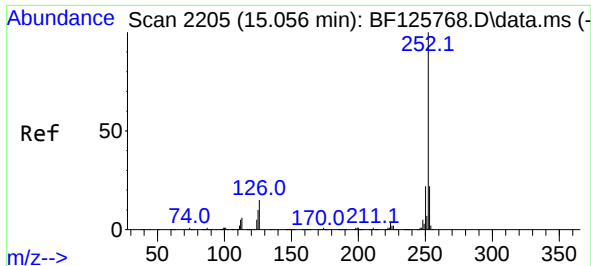
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#88
Benzo(b)fluoranthene
Concen: 12.63 ng m
RT: 15.009 min Scan# 2197
Delta R.T. -0.018 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46

Tgt Ion:	252	Resp:	271083
Ion Ratio	Lower	Upper	
252	100		
253	22.6	16.8	25.2
125	12.8	9.8	14.8





#89

Benzo(k)fluoranthene

Concen: 3.58 ng m

RT: 15.033 min Scan# 2201

Delta R.T. -0.030 min

Lab File: BF125853.D

Acq: 14 Oct 2021 19:46

Tgt Ion:252 Resp: 78926
 Ion Ratio Lower Upper
 252 100
 253 24.2 17.8 26.8
 125 13.2 7.2 10.8#

Instrument :

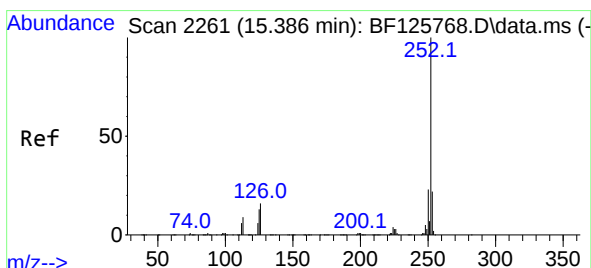
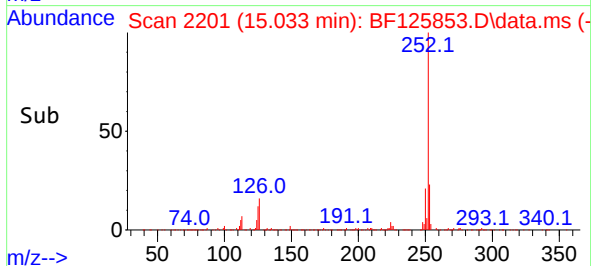
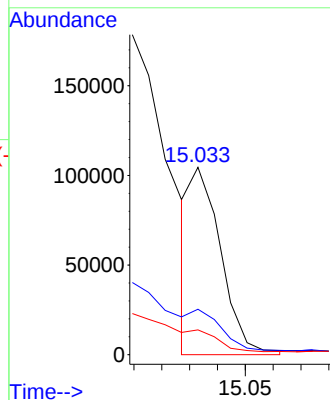
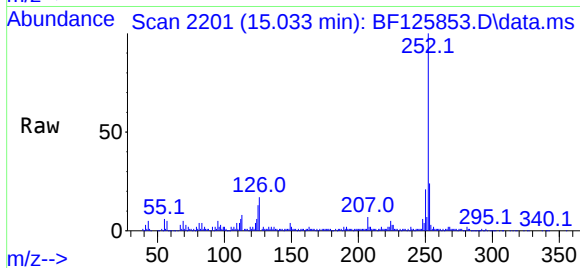
BNA_F

ClientSampleId :

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#90

Benzo(a)pyrene

Concen: 10.20 ng

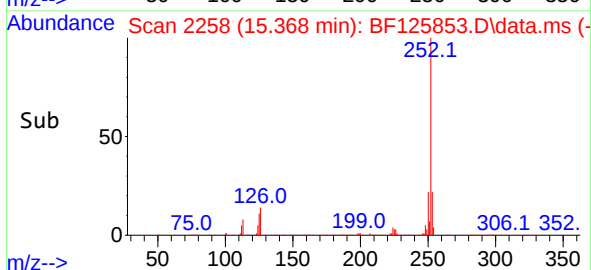
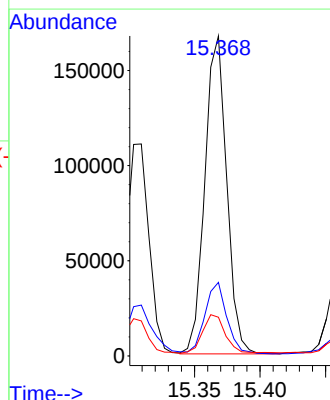
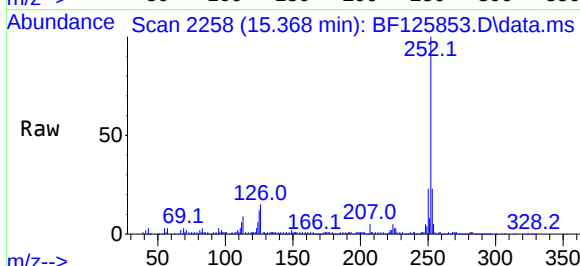
RT: 15.368 min Scan# 2258

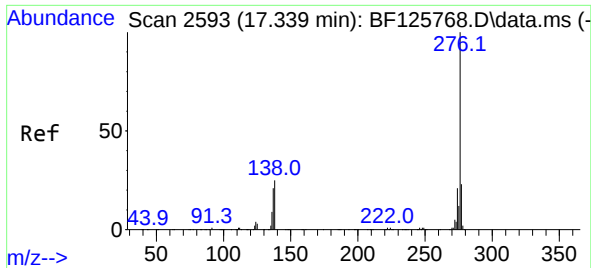
Delta R.T. -0.024 min

Lab File: BF125853.D

Acq: 14 Oct 2021 19:46

Tgt Ion:252 Resp: 193802
 Ion Ratio Lower Upper
 252 100
 253 23.0 18.4 27.6
 125 12.1 9.9 14.9





#92
Benzo(g,h,i)perylene
Concen: 3.69 ng
RT: 17.298 min Scan# 2586
Delta R.T. -0.053 min
Lab File: BF125853.D
Acq: 14 Oct 2021 19:46

Tgt Ion: 276 Resp: 90272
Ion Ratio Lower Upper
276 100
277 25.0 22.0 33.0
138 27.1 22.2 33.4

Instrument :
BNA_F
ClientSampleId :
SP-01

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