

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101221\
 Data File : BF125803.D
 Acq On : 12 Oct 2021 15:43
 Operator : JU/CG
 Sample : M4112-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2-SIDE

Manual Integrations
 APPROVED

mohammad
 10/14/2021 10:53:20 AM

Quant Time: Oct 12 16:28:21 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 07 17:16:23 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	171308	20.00	ng	0.00
21) Naphthalene-d8	8.122	136	631176	20.00	ng	# 0.00
39) Acenaphthene-d10	9.875	164	292914	20.00	ng	0.00
64) Phenanthrene-d10	11.357	188	493440	20.00	ng	0.00
76) Chrysene-d12	13.992	240	434715	20.00	ng	0.00
86) Perylene-d12	15.445	264	355169	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	743730	70.92	ng	0.00
7) Phenol-d6	6.463	99	988873	73.25	ng	-0.01
23) Nitrobenzene-d5	7.398	82	646325	63.65	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	132783	45.91	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	1231744	72.53	ng	0.00
79) Terphenyl-d14	12.945	244	1330577	46.62	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	6.475	94	46927	3.57	ng	90
71) Phenanthrene	11.380	178	285192	10.80	ng	100
75) Fluoranthene	12.569	202	333429	14.00	ng	99
78) Pyrene	12.792	202	243655	5.52	ng	98
81) Benzo(a)anthracene	13.980	228	60754	2.15	ng	96
83) Chrysene	14.016	228	113721	4.08	ng	98
88) Benzo(b)fluoranthene	15.021	252	117523m	5.86	ng	
90) Benzo(a)pyrene	15.380	252	57883	3.26	ng	97

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

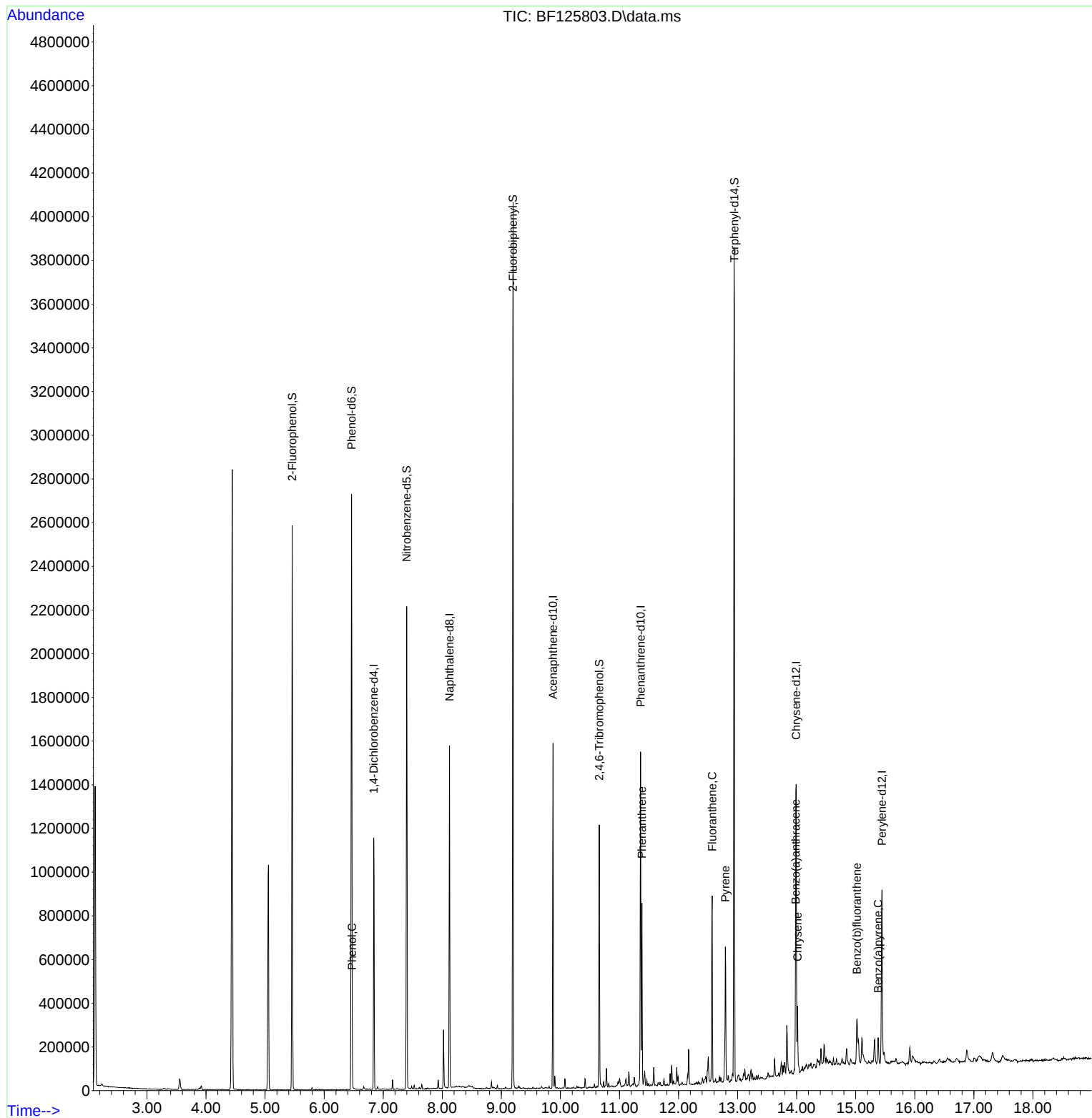
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101221\
Data File : BF125803.D
Acq On : 12 Oct 2021 15:43
Operator : JU/CG
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Instrument :
BNA_F
ClientSampleId :
2-SIDE

Manual Integrations
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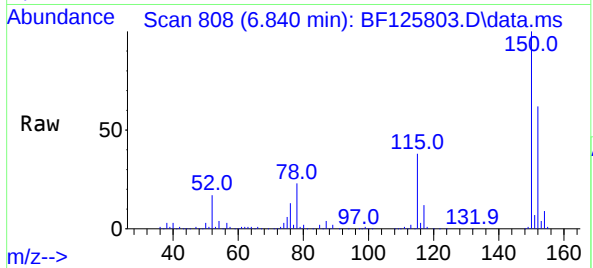
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Quant Time: Oct 12 16:28:21 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 07 17:16:23 2021
Response via : Initial Calibration

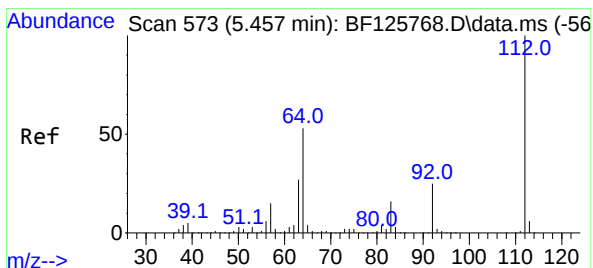
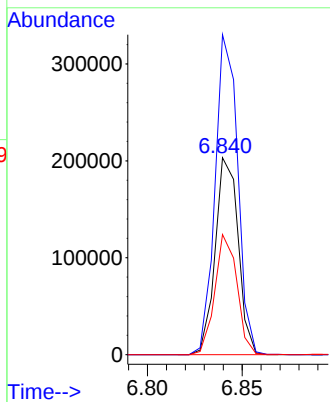
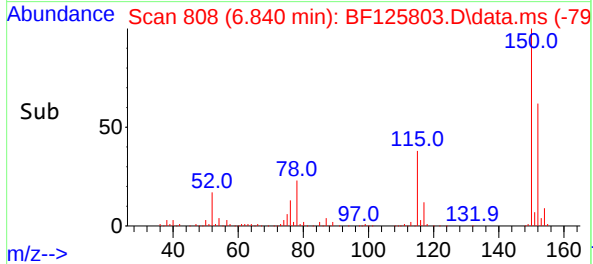




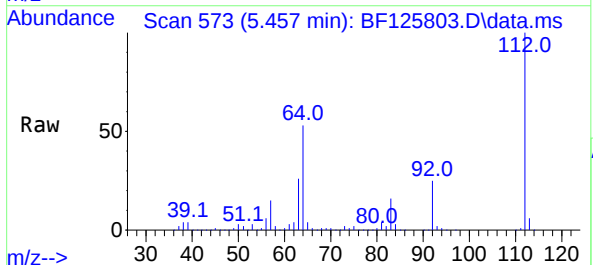
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.840 min Scan# 808
Delta R.T. -0.005 min
Lab File: BF125803.D
Acq: 12 Oct 2021 15:43



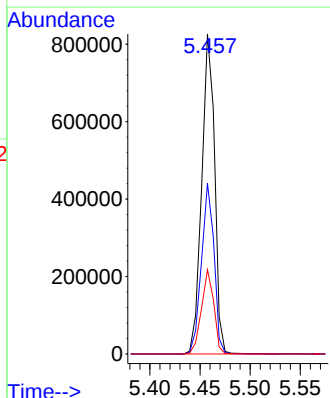
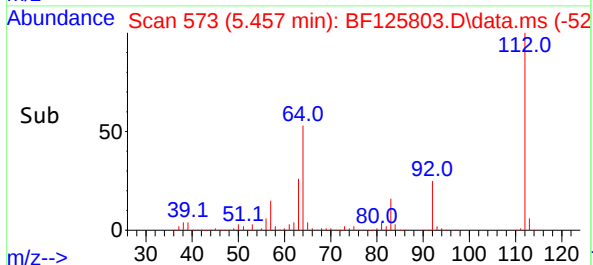
Tgt Ion:152 Resp: 171308
Ion Ratio Lower Upper
152 100
150 162.5 117.6 176.4
115 61.1 47.1 70.7



#5
2-Fluorophenol
Concen: 70.92 ng
RT: 5.457 min Scan# 573
Delta R.T. 0.000 min
Lab File: BF125803.D
Acq: 12 Oct 2021 15:43



Tgt Ion:112 Resp: 743730
Ion Ratio Lower Upper
112 100
64 53.3 44.2 66.2
63 26.3 26.2 39.2



Instrument :
BNA_F
ClientSampled :
2-SIDE

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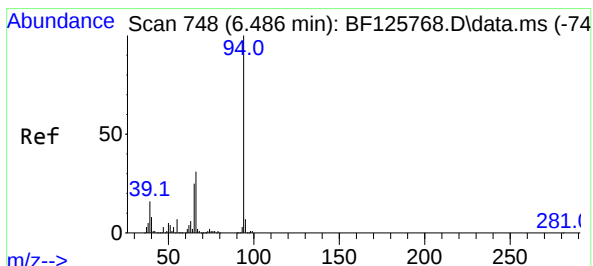
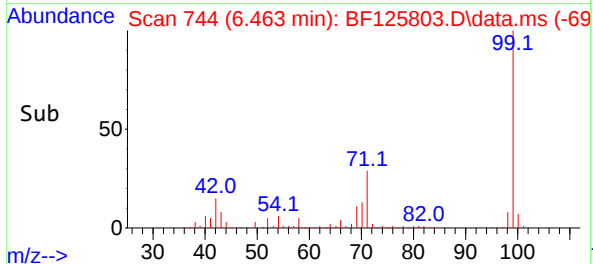
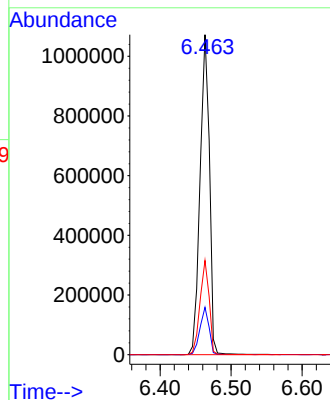
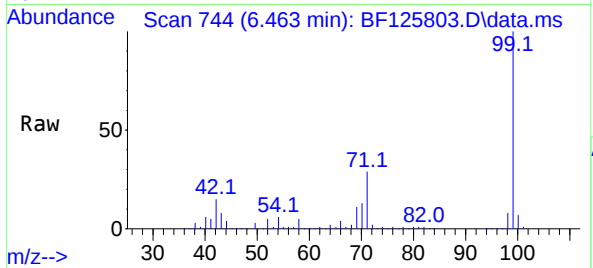
#7
Phenol-d6
Concen: 73.25 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.012 min
Lab File: BF125803.D
Acq: 12 Oct 2021 15:43

Tgt Ion: 99 Resp: 988873
Ion Ratio Lower Upper
99 100
42 14.8 23.5 35.3#
71 29.5 25.6 38.4

Instrument :
BNA_F
ClientSampled :
2-SIDE

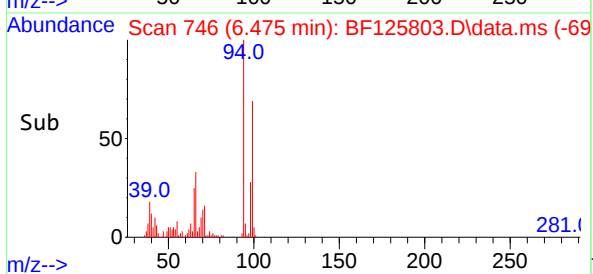
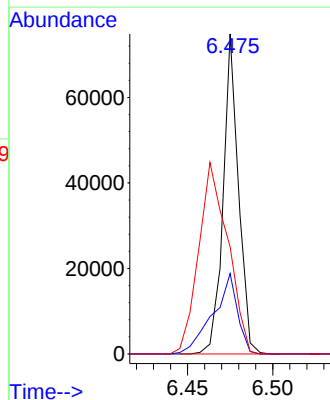
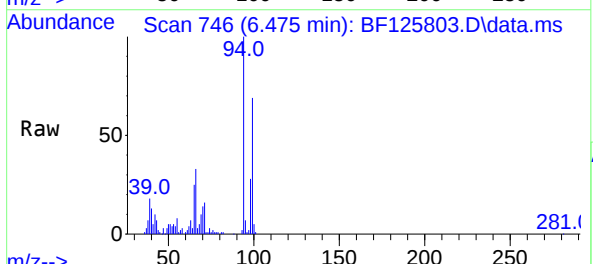
Manual Integrations
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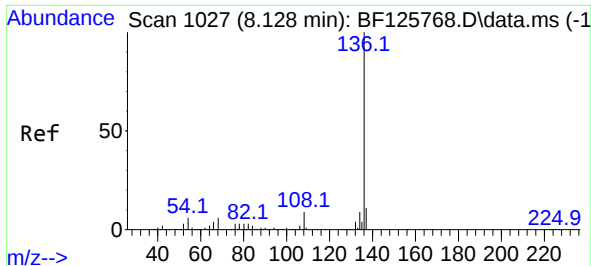
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#10
Phenol
Concen: 3.57 ng
RT: 6.475 min Scan# 746
Delta R.T. -0.011 min
Lab File: BF125803.D
Acq: 12 Oct 2021 15:43

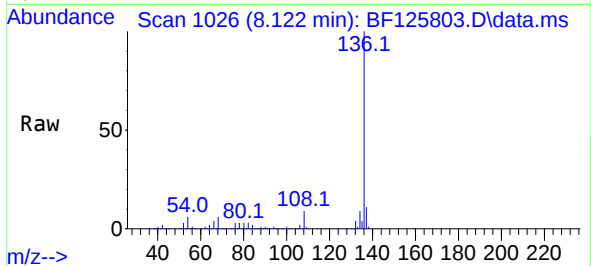
Tgt Ion: 94 Resp: 46927
Ion Ratio Lower Upper
94 100
65 25.2 9.3 49.3
66 33.4 20.3 60.3





#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF125803.D
Acq: 12 Oct 2021 15:43

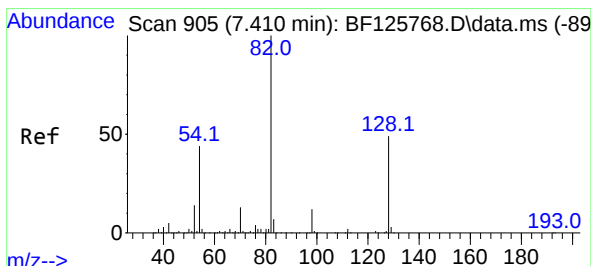
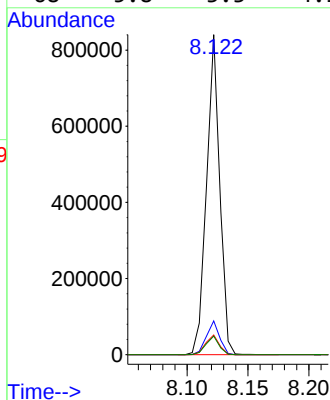
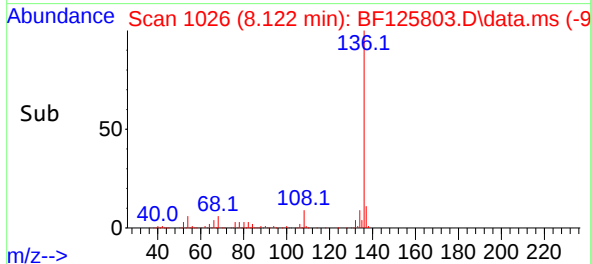
Instrument :
BNA_F
ClientSampled :
2-SIDE



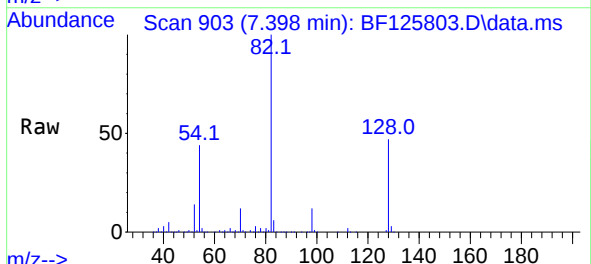
Tgt Ion:136 Resp: 631176
Ion Ratio Lower Upper
136 100
137 10.6 9.8 14.6
54 6.1 6.4 9.6#
68 5.8 3.3 4.9#

Manual Integrations
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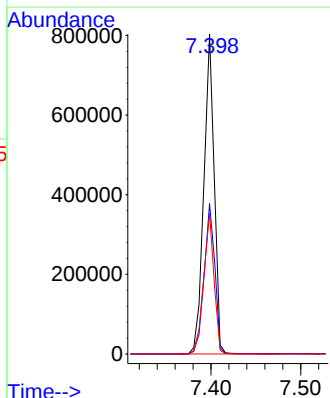
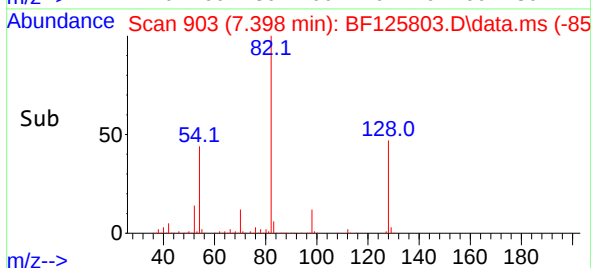
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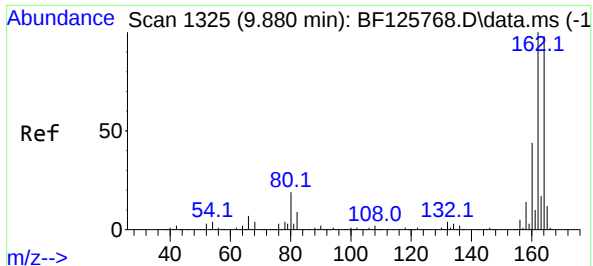


#23
Nitrobenzene-d5
Concen: 63.65 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.012 min
Lab File: BF125803.D
Acq: 12 Oct 2021 15:43



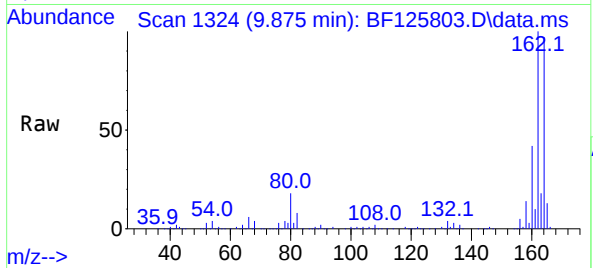
Tgt Ion: 82 Resp: 646325
Ion Ratio Lower Upper
82 100
128 47.0 40.6 60.8
54 44.0 49.6 74.4#





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF125803.D
Acq: 12 Oct 2021 15:43

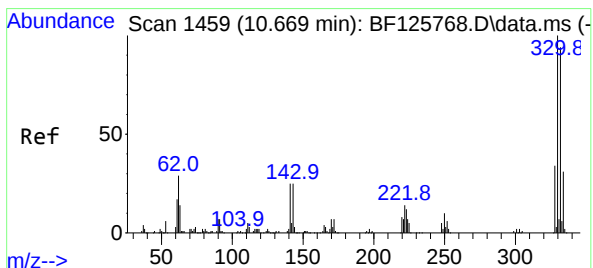
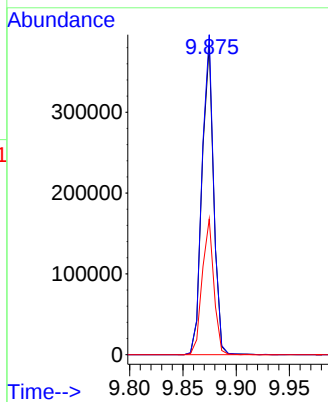
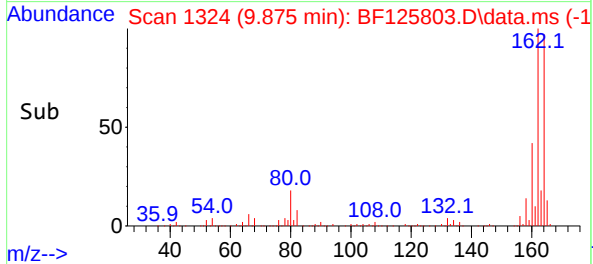
Instrument :
BNA_F
ClientSampled :
2-SIDE



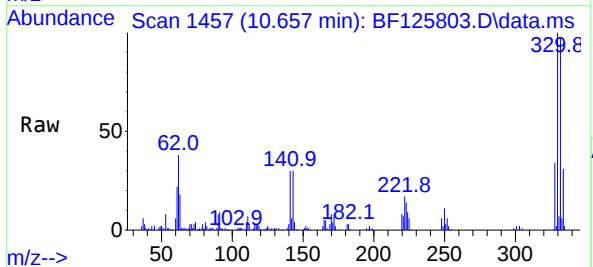
Tgt Ion:164 Resp: 292914
Ion Ratio Lower Upper
164 100
162 103.4 81.3 121.9
160 43.8 38.0 57.0

Manual Integrations
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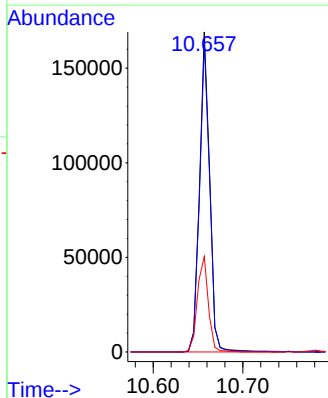
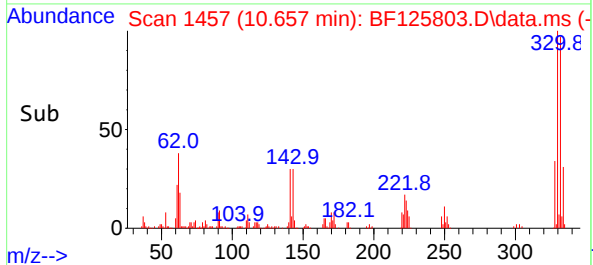
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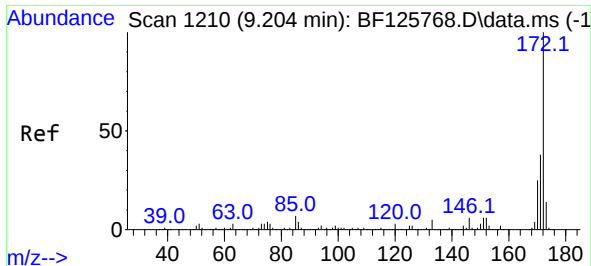


#42
2,4,6-Tribromophenol
Concen: 45.91 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.012 min
Lab File: BF125803.D
Acq: 12 Oct 2021 15:43



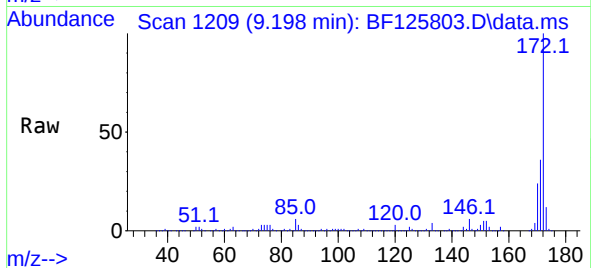
Tgt Ion:330 Resp: 132783
Ion Ratio Lower Upper
330 100
332 96.9 76.2 114.4
141 32.0 44.6 66.8#





#45
2-Fluorobiphenyl
Concen: 72.53 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF125803.D
Acq: 12 Oct 2021 15:43

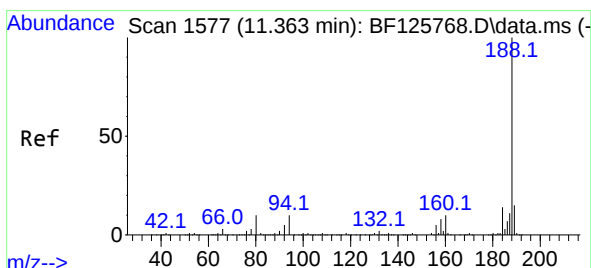
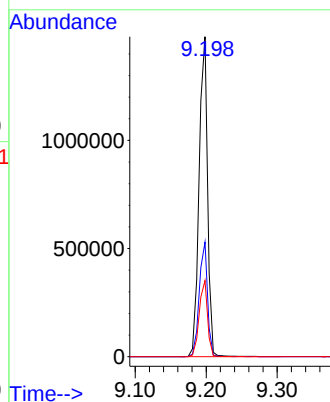
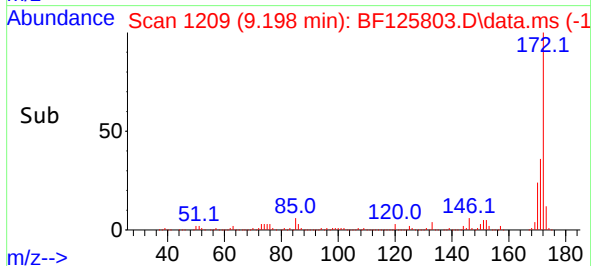
Instrument :
BNA_F
ClientSampled :
2-SIDE



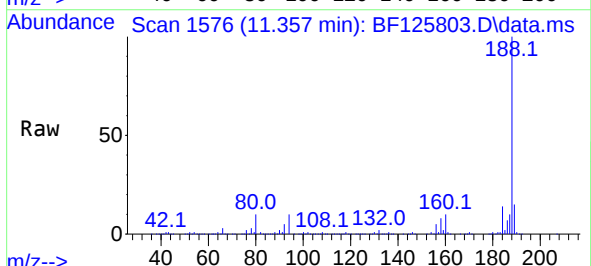
Tgt Ion:172 Resp: 1231744
Ion Ratio Lower Upper
172 100
171 35.8 26.5 39.7
170 23.8 18.8 28.2

Manual Integrations
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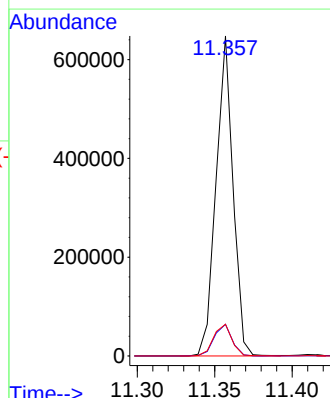
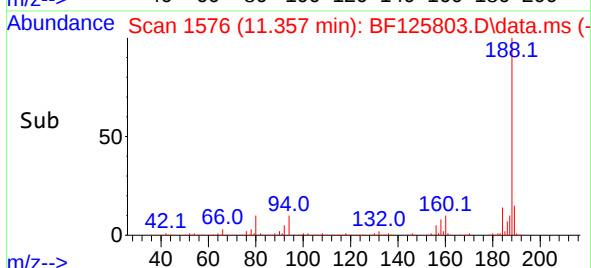
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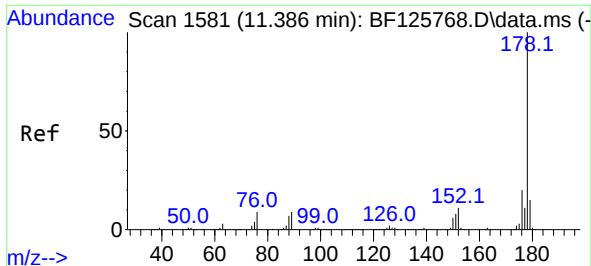


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF125803.D
Acq: 12 Oct 2021 15:43



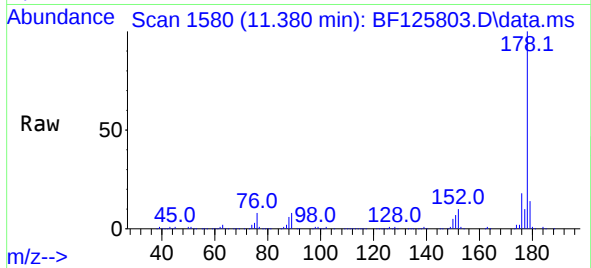
Tgt Ion:188 Resp: 493440
Ion Ratio Lower Upper
188 100
94 9.9 6.7 10.1
80 9.9 7.5 11.3





#71
Phenanthrene
Concen: 10.80 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF125803.D
Acq: 12 Oct 2021 15:43

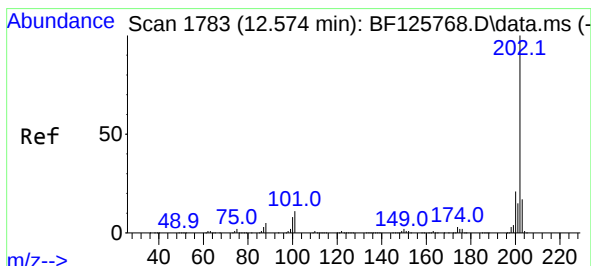
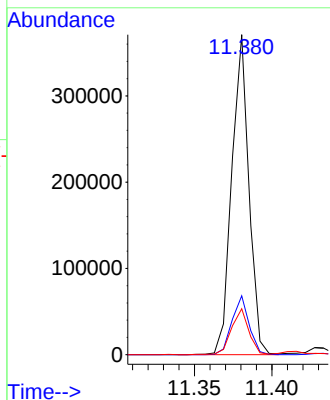
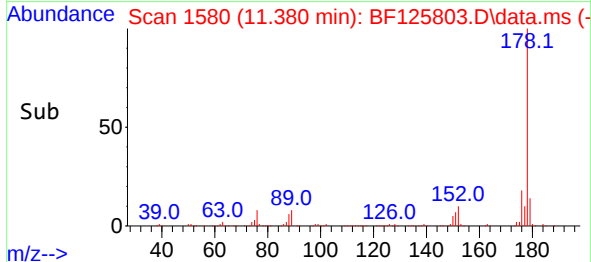
Instrument :
BNA_F
ClientSampled :
2-SIDE



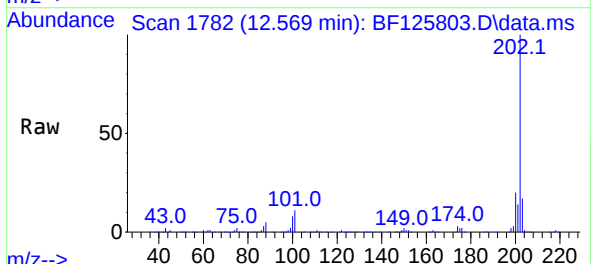
Tgt Ion:178 Resp: 285192
Ion Ratio Lower Upper
178 100
176 18.4 14.7 22.1
179 14.3 11.5 17.3

Manual Integrations
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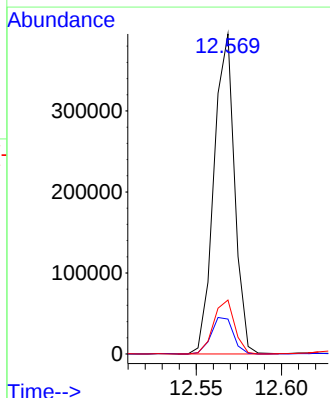
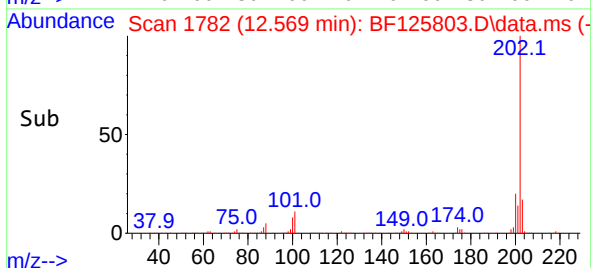
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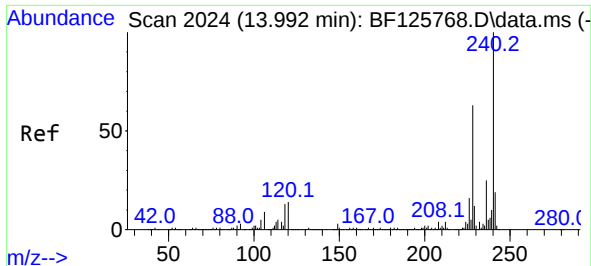


#75
Fluoranthene
Concen: 14.00 ng
RT: 12.569 min Scan# 1782
Delta R.T. -0.006 min
Lab File: BF125803.D
Acq: 12 Oct 2021 15:43



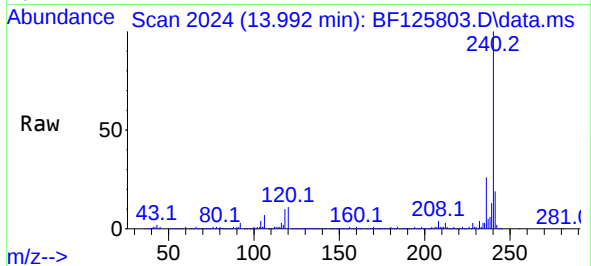
Tgt Ion:202 Resp: 333429
Ion Ratio Lower Upper
202 100
101 10.9 0.0 30.7
203 16.9 0.0 36.3





#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.992 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF125803.D
Acq: 12 Oct 2021 15:43

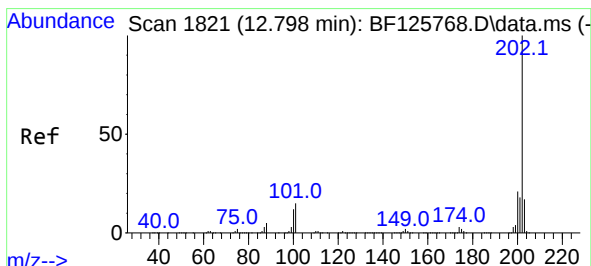
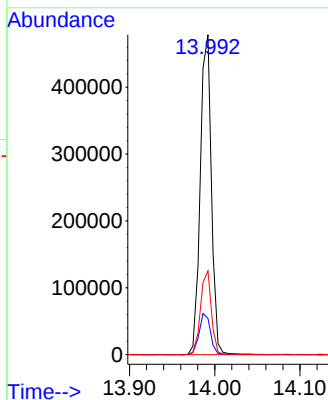
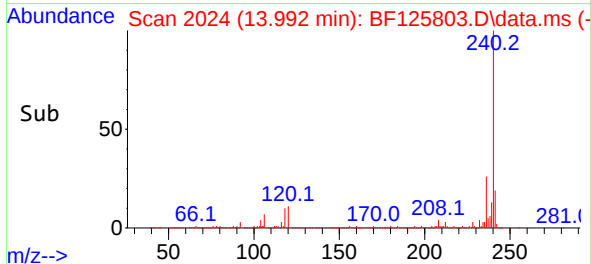
Instrument :
BNA_F
ClientSampled :
2-SIDE



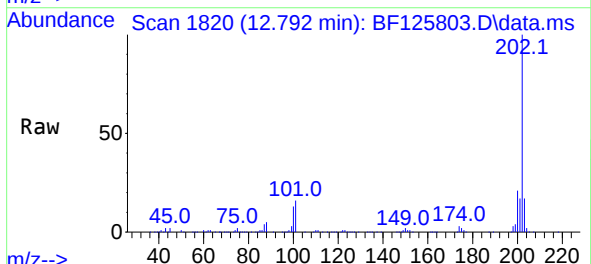
Tgt Ion:240 Resp: 434715
Ion Ratio Lower Upper
240 100
120 11.4 10.8 16.2
236 26.2 21.6 32.4

Manual Integrations
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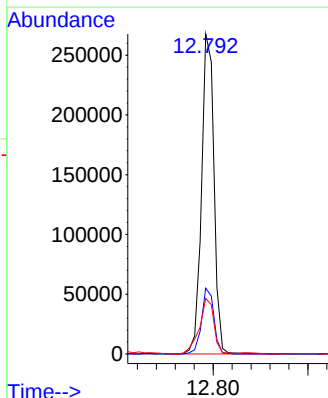
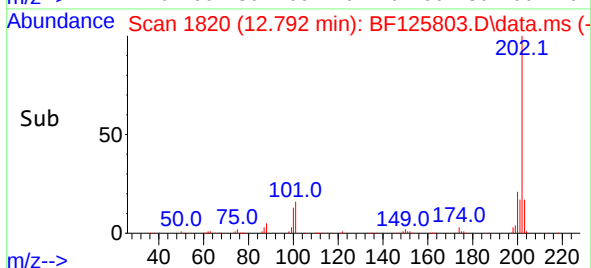
mohammad
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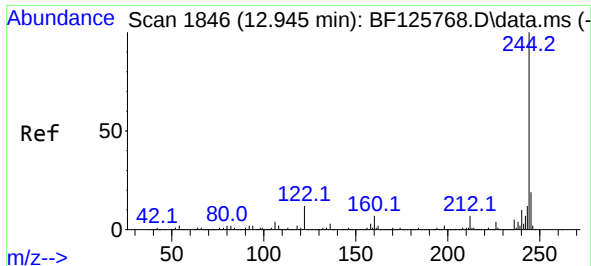


#78
Pyrene
Concen: 5.52 ng
RT: 12.792 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BF125803.D
Acq: 12 Oct 2021 15:43



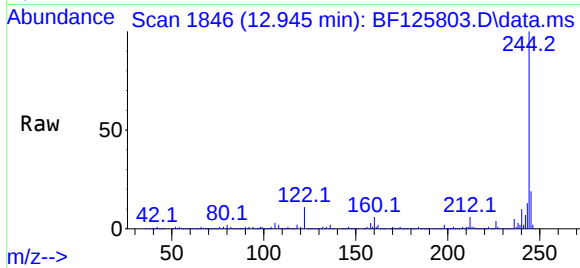
Tgt Ion:202 Resp: 243655
Ion Ratio Lower Upper
202 100
200 20.6 15.3 22.9
203 17.4 13.4 20.0





#79
Terphenyl-d14
Concen: 46.62 ng
RT: 12.945 min Scan# 1846
Delta R.T. 0.000 min
Lab File: BF125803.D
Acq: 12 Oct 2021 15:43

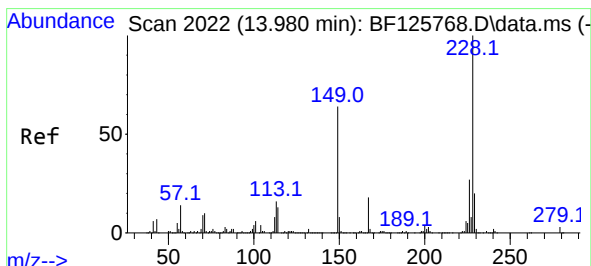
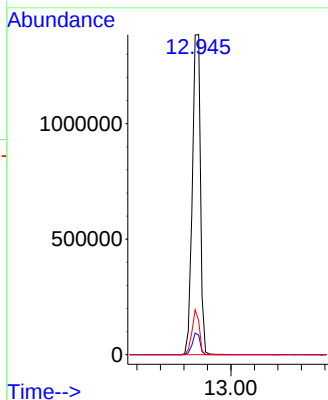
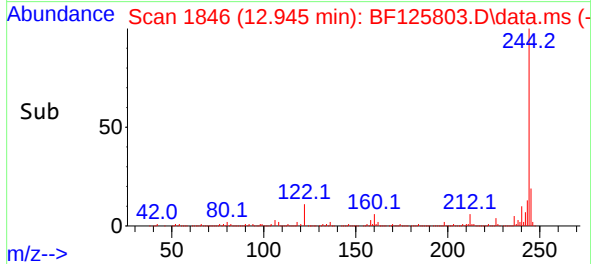
Instrument :
BNA_F
ClientSampled :
2-SIDE



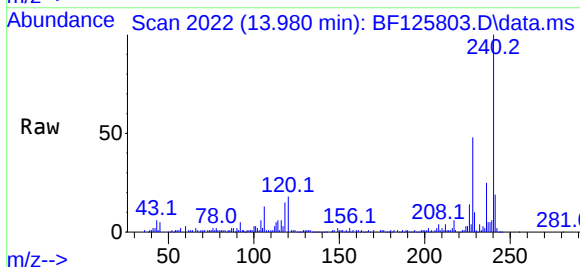
Tgt Ion:244 Resp: 1330577
Ion Ratio Lower Upper
244 100
212 6.1 5.9 8.9
122 10.6 9.0 13.4

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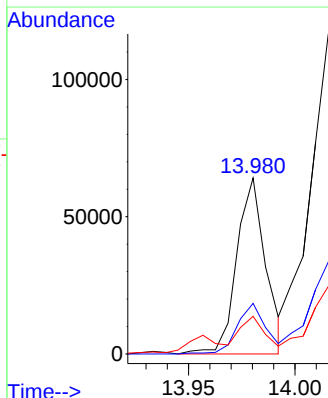
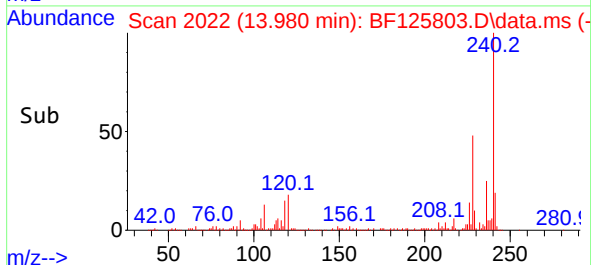
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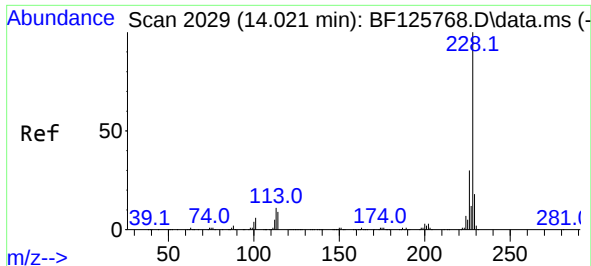


#81
Benzo(a)anthracene
Concen: 2.15 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF125803.D
Acq: 12 Oct 2021 15:43

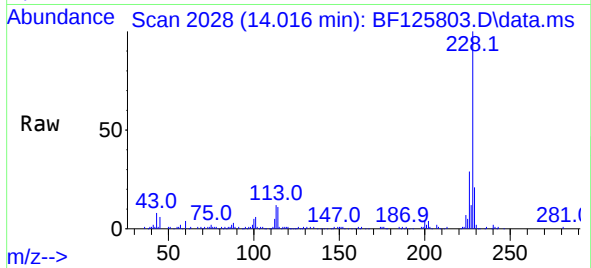


Tgt Ion:228 Resp: 60754
Ion Ratio Lower Upper
228 100
226 28.7 21.6 32.4
229 21.4 15.6 23.4

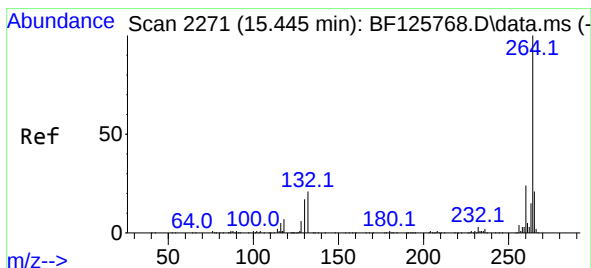
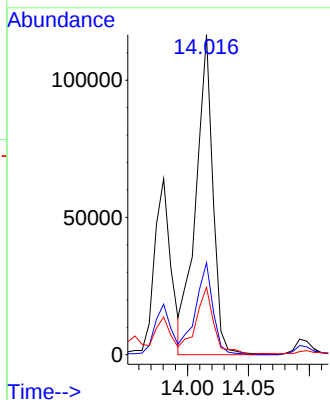
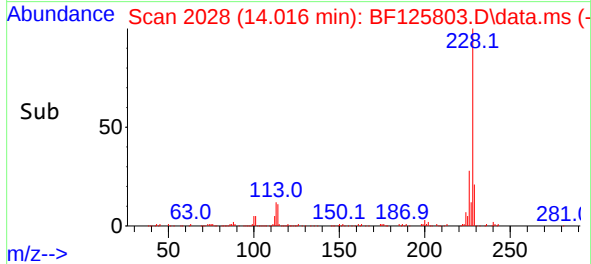




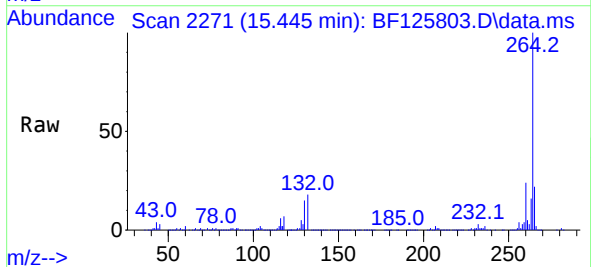
#83
Chrysene
Concen: 4.08 ng
RT: 14.016 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF125803.D
Acq: 12 Oct 2021 15:43



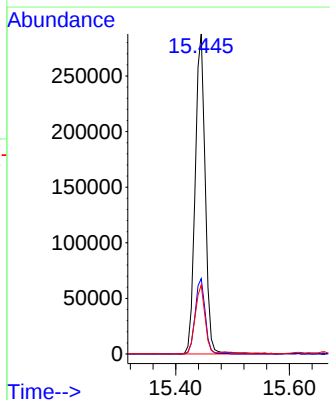
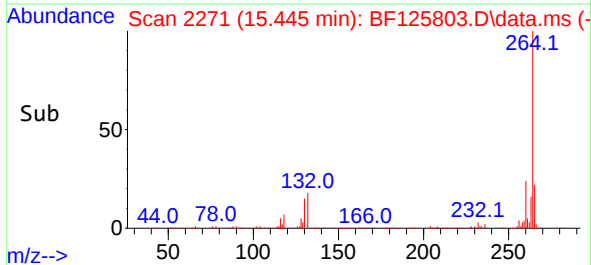
Tgt Ion: 228 Resp: 113721
Ion Ratio Lower Upper
228 100
226 28.7 22.6 34.0
229 21.1 15.9 23.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.445 min Scan# 2271
Delta R.T. 0.000 min
Lab File: BF125803.D
Acq: 12 Oct 2021 15:43



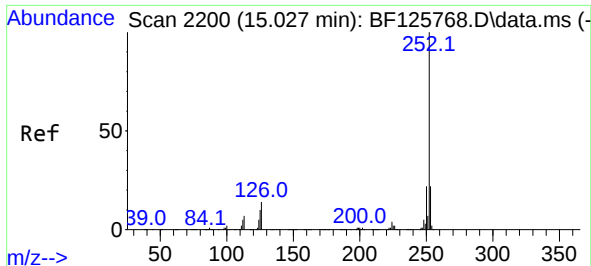
Tgt Ion: 264 Resp: 355169
Ion Ratio Lower Upper
264 100
260 23.6 19.6 29.4
265 21.6 17.2 25.8



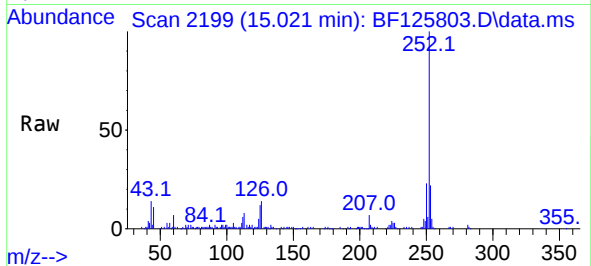
Instrument :
BNA_F
ClientSampled :
2-SIDE

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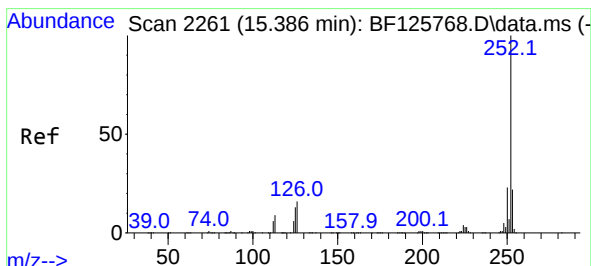
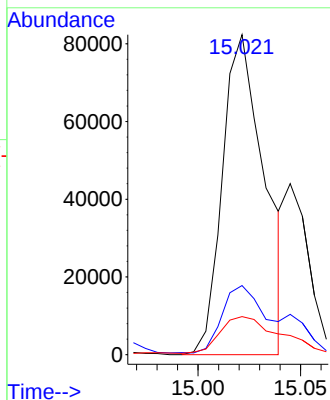
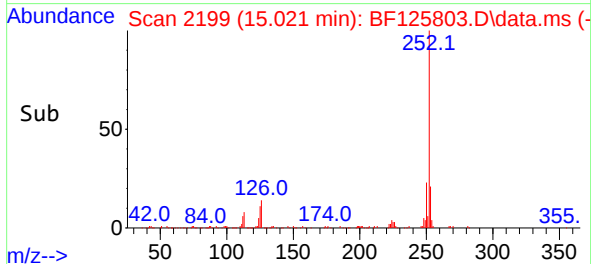
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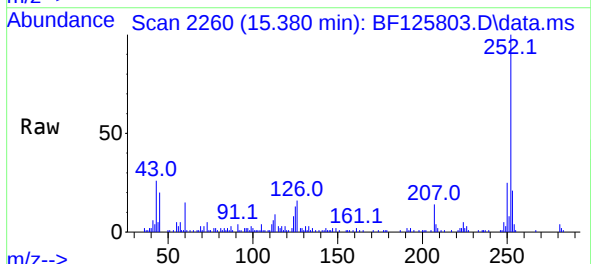
#88
Benzo(b)fluoranthene
Concen: 5.86 ng m
RT: 15.021 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF125803.D
Acq: 12 Oct 2021 15:43



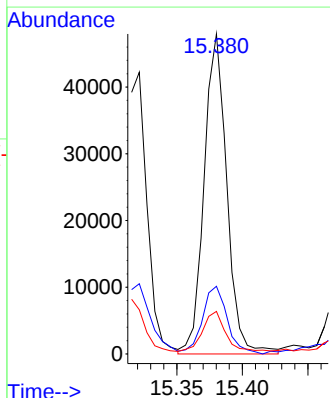
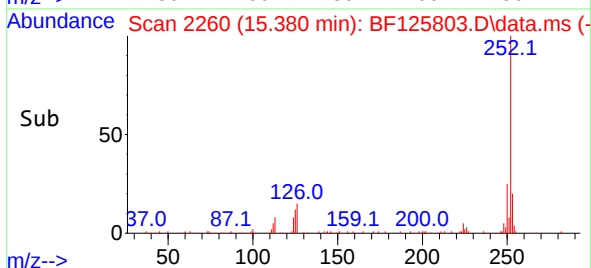
Tgt Ion:252 Resp: 117523
Ion Ratio Lower Upper
252 100
253 21.6 16.8 25.2
125 11.9 9.8 14.8



#90
Benzo(a)pyrene
Concen: 3.26 ng
RT: 15.380 min Scan# 2260
Delta R.T. -0.006 min
Lab File: BF125803.D
Acq: 12 Oct 2021 15:43



Tgt Ion:252 Resp: 57883
Ion Ratio Lower Upper
252 100
253 21.1 18.4 27.6
125 13.3 9.9 14.9



Instrument :
BNA_F
ClientSampled :
2-SIDE

Manual Integrations
APPROVED

mohammad
10/14/2021 10:53:20 AM