

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101321\
 Data File : BF125830.D
 Acq On : 13 Oct 2021 16:52
 Operator : JU/CG
 Sample : M4161-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-1

Manual Integrations
 APPROVED

mohammad
 10/14/2021 10:55:28 AM

Quant Time: Oct 14 01:20:07 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 13 13:23:32 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	204461	20.00	ng	0.00
21) Naphthalene-d8	8.122	136	790701	20.00	ng	# 0.00
39) Acenaphthene-d10	9.875	164	366073	20.00	ng	0.00
64) Phenanthrene-d10	11.357	188	530988	20.00	ng	# 0.00
76) Chrysene-d12	13.998	240	397324	20.00	ng	0.00
86) Perylene-d12	15.451	264	296963	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	1307124	104.44	ng	0.00
7) Phenol-d6	6.469	99	1597678	99.16	ng	0.00
23) Nitrobenzene-d5	7.404	82	943390	74.16	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	342075	94.65	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	1594159	75.11	ng	0.00
79) Terphenyl-d14	12.945	244	1271481	48.75	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.569	202	116634	4.55	ng	99
78) Pyrene	12.798	202	103128	2.55	ng	99
81) Benzo(a)anthracene	13.986	228	66311	2.57	ng	96
83) Chrysene	14.021	228	80226	3.15	ng	98
88) Benzo(b)fluoranthene	15.027	252	97943m	5.84	ng	
90) Benzo(a)pyrene	15.386	252	52658	3.55	ng	# 94

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

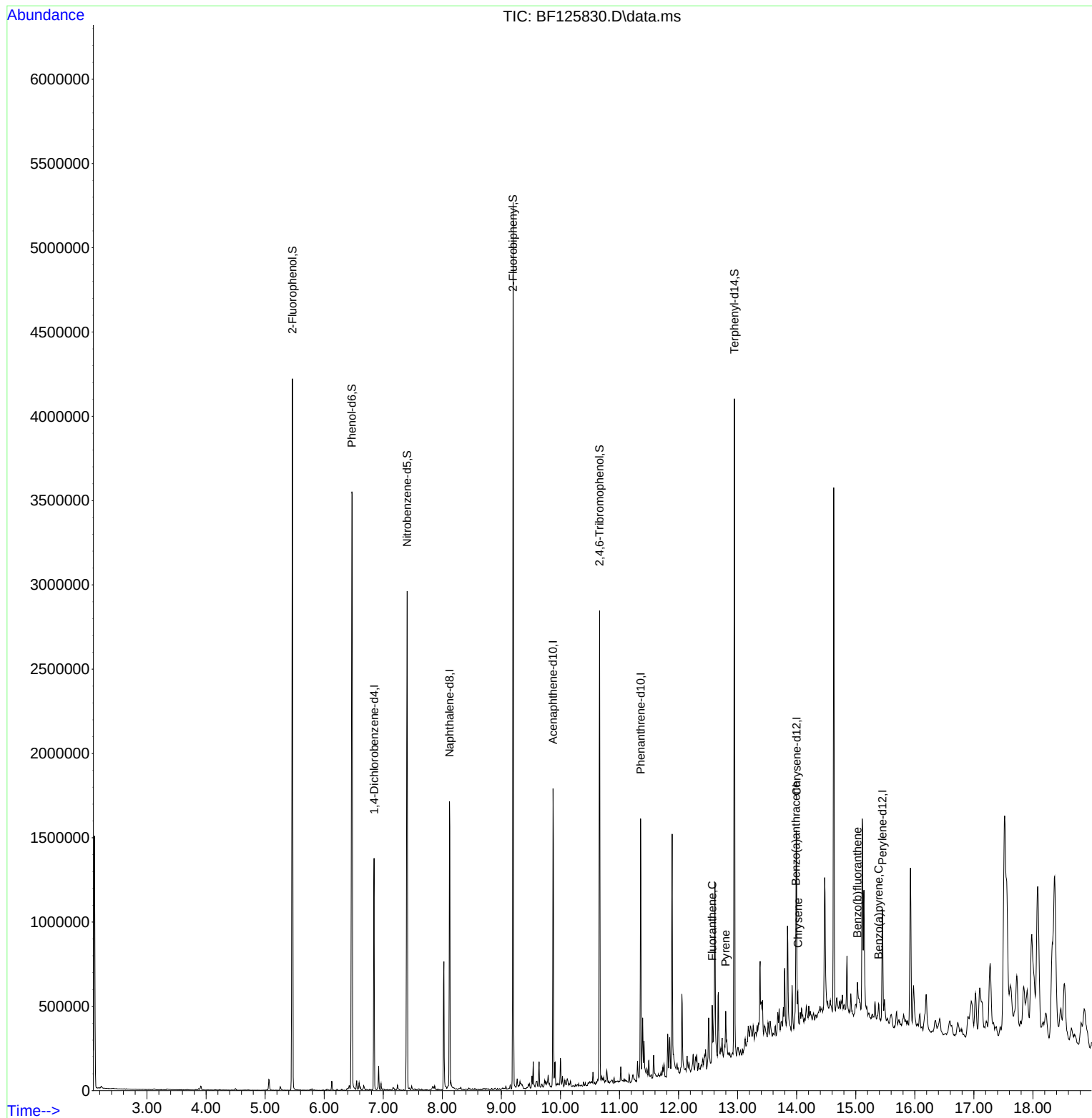
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101321\
Data File : BF125830.D
Acq On : 13 Oct 2021 16:52
Operator : JU/CG
Sample : M4161-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

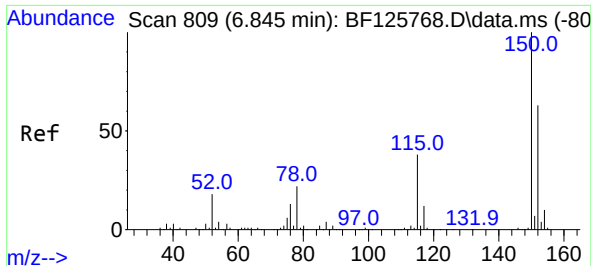
Instrument :
BNA_F
ClientSampleId :
T-1

Manual Integrations
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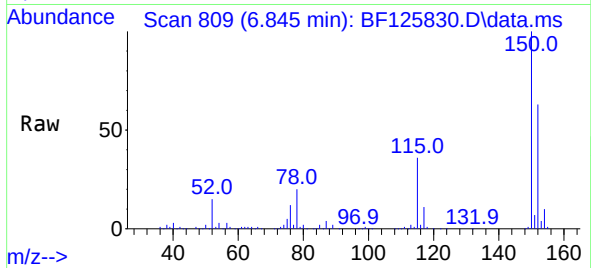
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Quant Time: Oct 14 01:20:07 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 13 13:23:32 2021
Response via : Initial Calibration

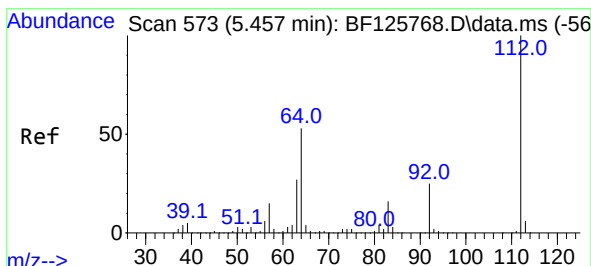
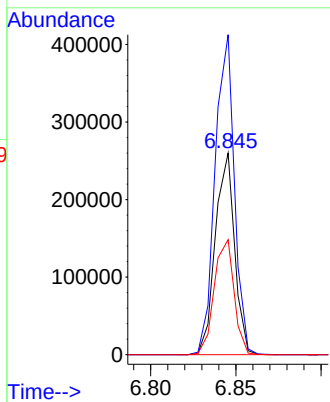
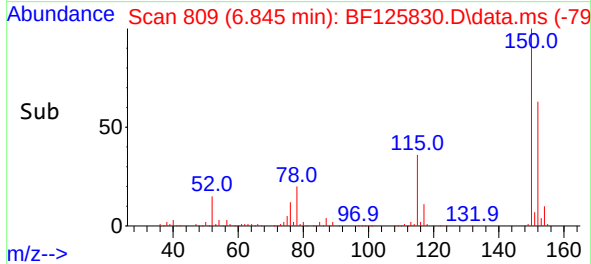




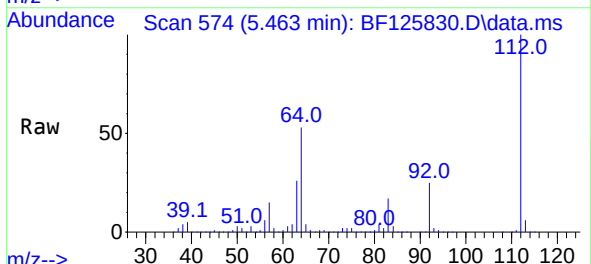
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.845 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52



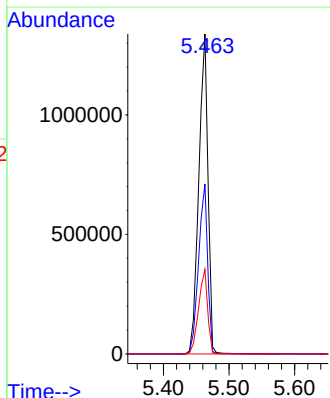
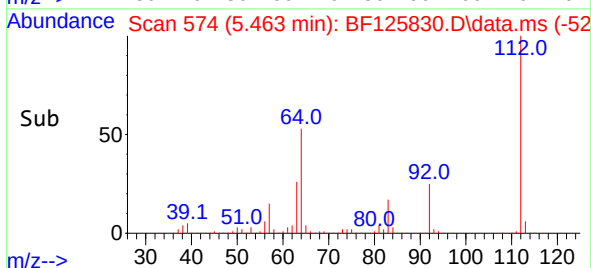
Tgt Ion:152 Resp: 204461
Ion Ratio Lower Upper
152 100
150 158.8 117.6 176.4
115 57.1 47.1 70.7



#5
2-Fluorophenol
Concen: 104.44 ng
RT: 5.463 min Scan# 574
Delta R.T. -0.000 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52



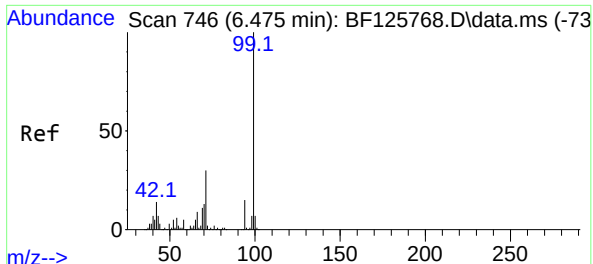
Tgt Ion:112 Resp: 1307124
Ion Ratio Lower Upper
112 100
64 53.1 44.2 66.2
63 26.4 26.2 39.2



Instrument :
BNA_F
ClientSampled :
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#7
Phenol-d6
Concen: 99.16 ng
RT: 6.469 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52

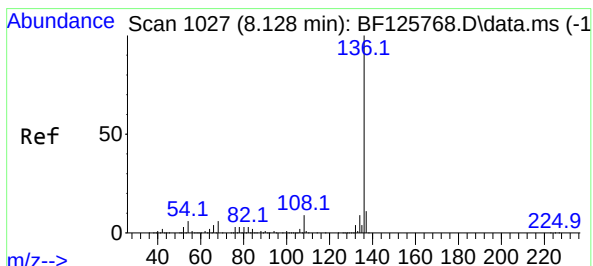
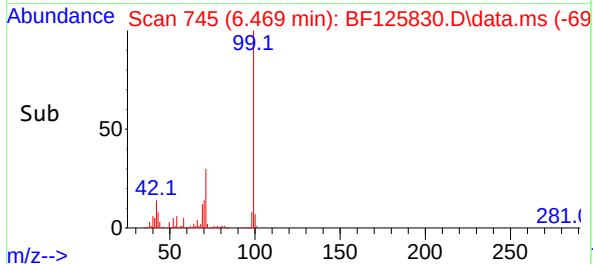
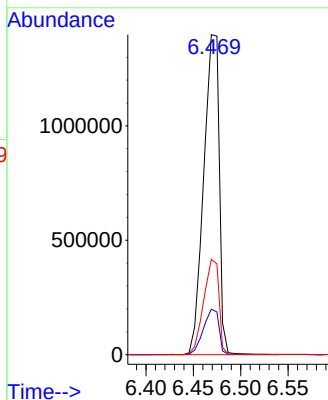
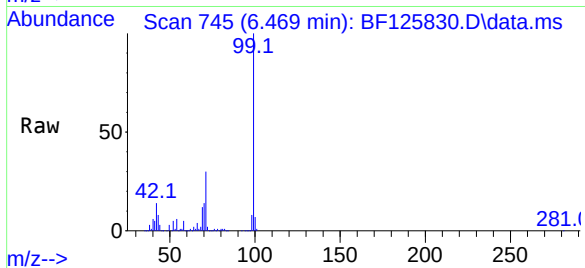
Tgt Ion: 99 Resp: 1597678

Ion	Ratio	Lower	Upper
99	100		
42	14.2	23.5	35.3#
71	29.8	25.6	38.4

Instrument :
BNA_F
ClientSampled :
T-1

Manual Integrations
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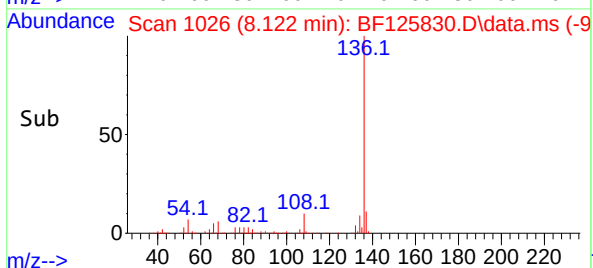
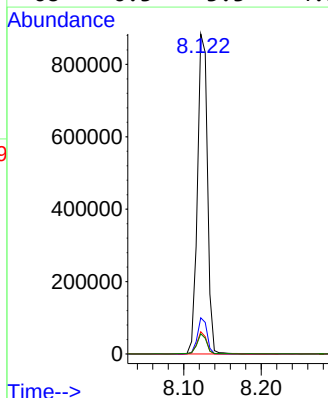
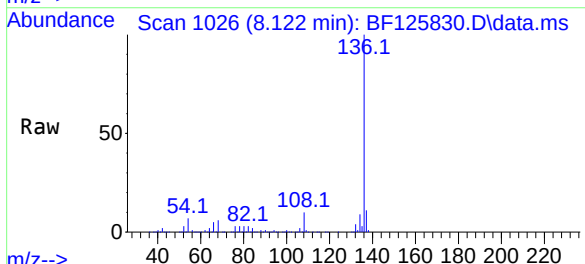
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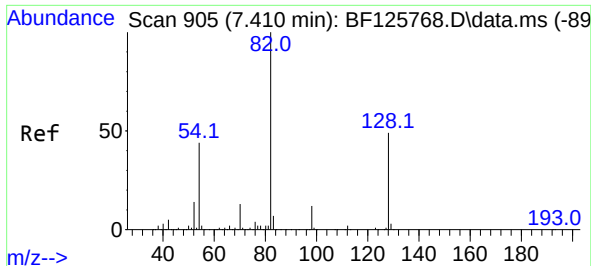


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52

Tgt Ion: 136 Resp: 790701

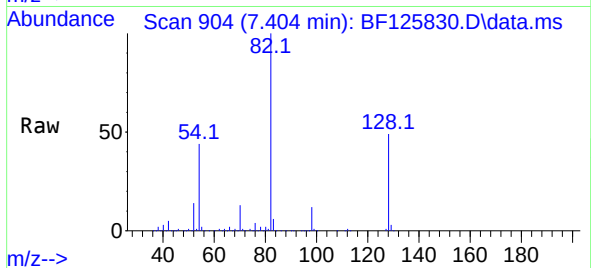
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.8	14.6
54	7.0	6.4	9.6
68	6.3	3.3	4.9#





#23
Nitrobenzene-d5
Concen: 74.16 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52

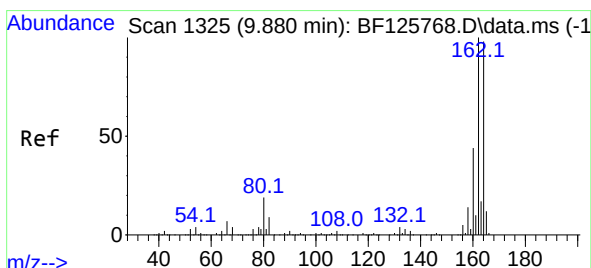
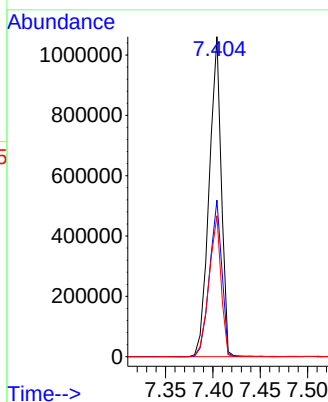
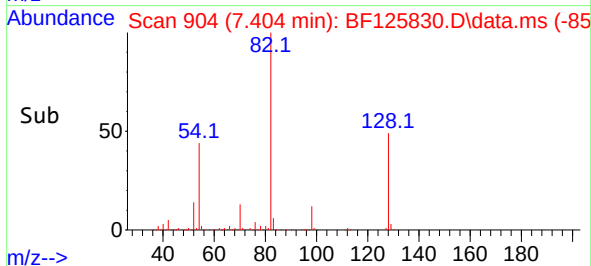
Instrument :
BNA_F
ClientSampled :
T-1



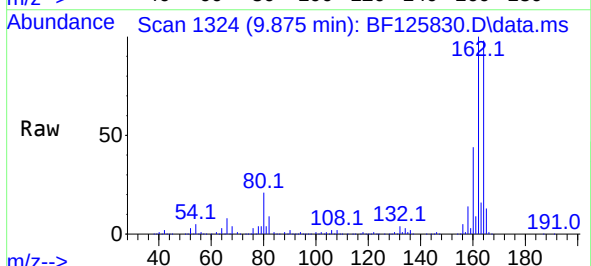
Tgt Ion: 82 Resp: 943390
Ion Ratio Lower Upper
82 100
128 48.9 40.6 60.8
54 44.0 49.6 74.4#

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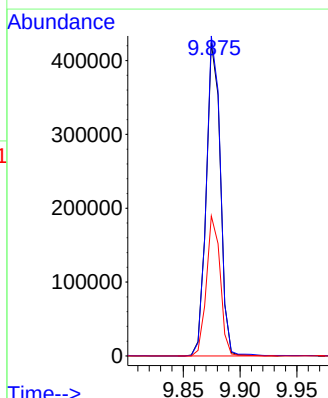
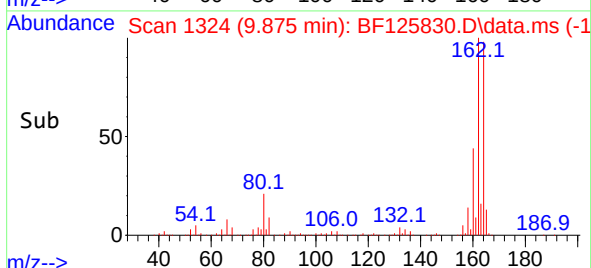
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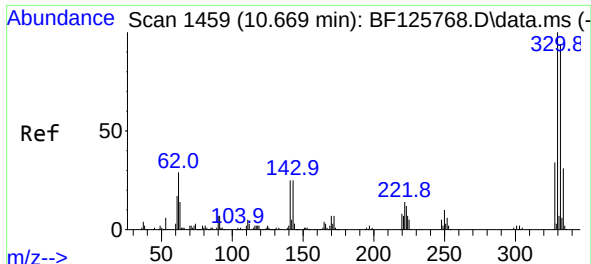


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52

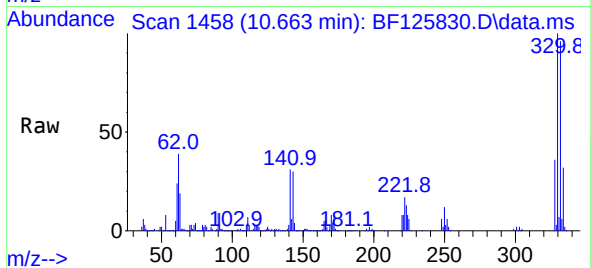


Tgt Ion: 164 Resp: 366073
Ion Ratio Lower Upper
164 100
162 102.1 81.3 121.9
160 44.7 38.0 57.0

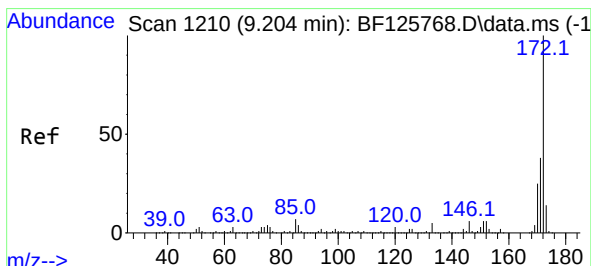
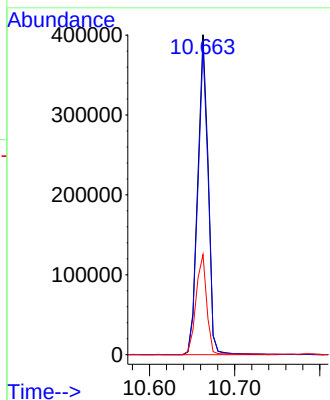
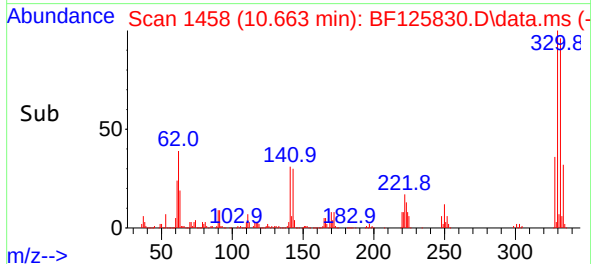




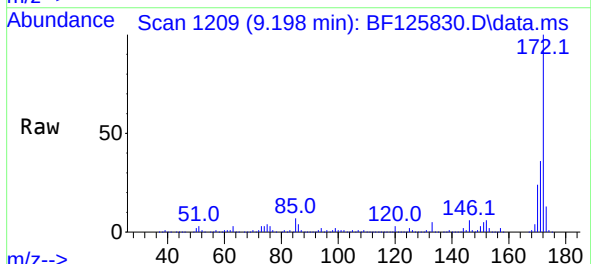
#42
2,4,6-Tribromophenol
Concen: 94.65 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.006 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52



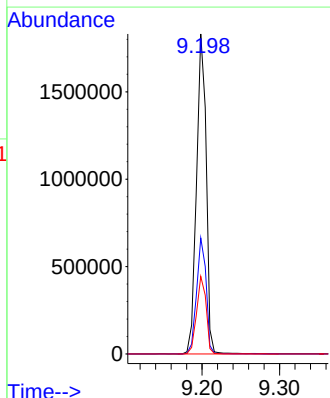
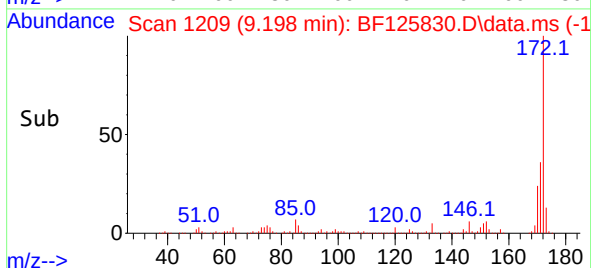
Tgt Ion: 330 Resp: 342075
Ion Ratio Lower Upper
330 100
332 95.0 76.2 114.4
141 32.0 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 75.11 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52



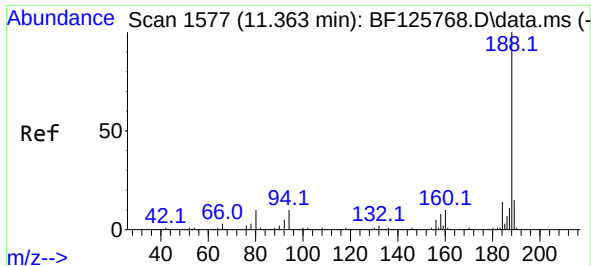
Tgt Ion: 172 Resp: 1594159
Ion Ratio Lower Upper
172 100
171 36.3 26.5 39.7
170 24.3 18.8 28.2



Instrument :
BNA_F
ClientSampled :
T-1

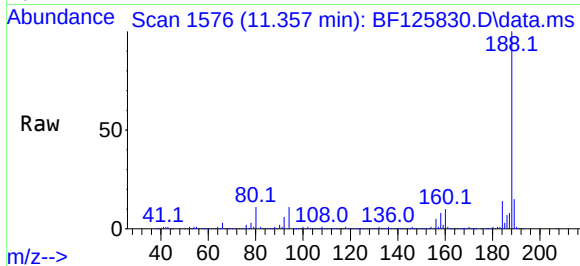
Manual Integrations
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#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52

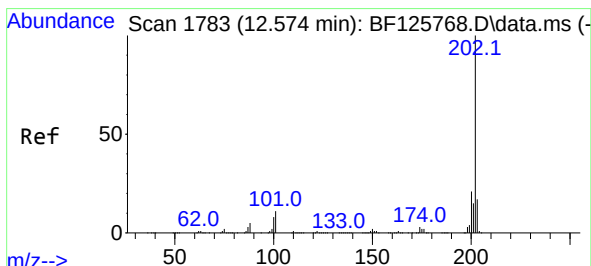
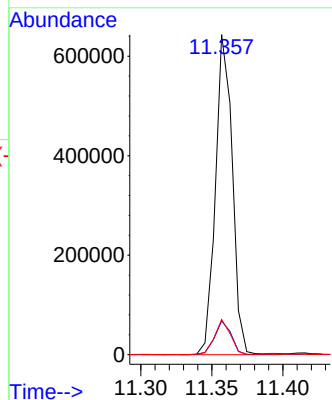
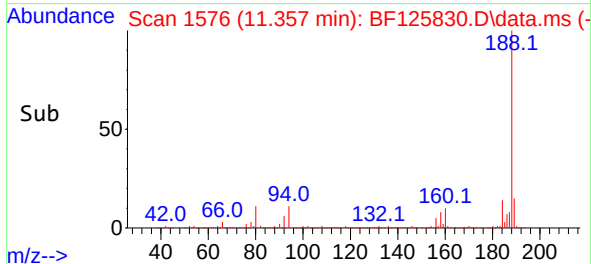
Instrument :
BNA_F
ClientSampled :
T-1



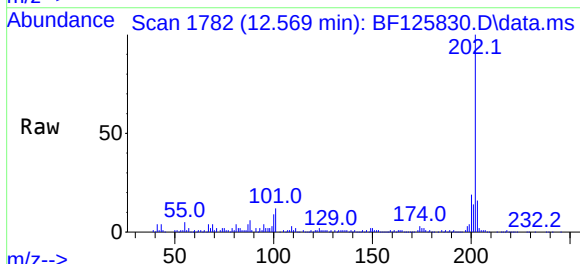
Tgt Ion:188 Resp: 530988
Ion Ratio Lower Upper
188 100
94 10.6 6.7 10.1#
80 11.0 7.5 11.3

Manual Integrations
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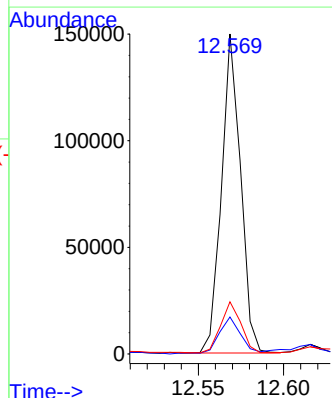
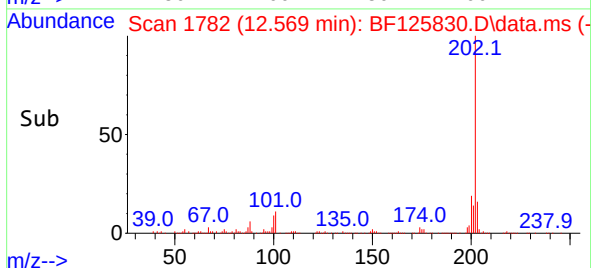
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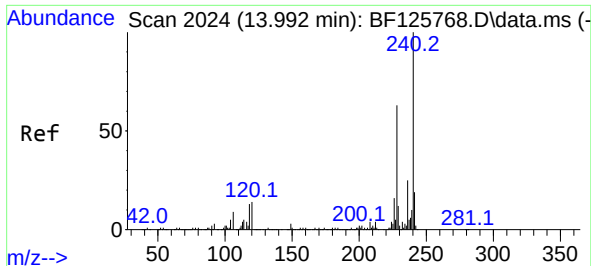


#75
Fluoranthene
Concen: 4.55 ng
RT: 12.569 min Scan# 1782
Delta R.T. -0.006 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52



Tgt Ion:202 Resp: 116634
Ion Ratio Lower Upper
202 100
101 11.6 0.0 30.7
203 16.3 0.0 36.3





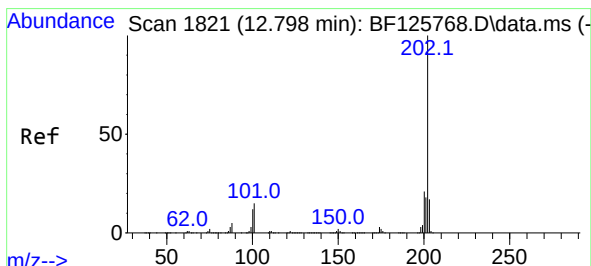
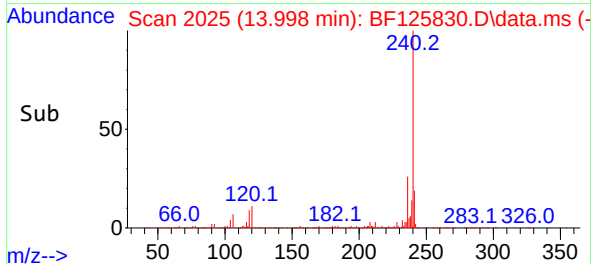
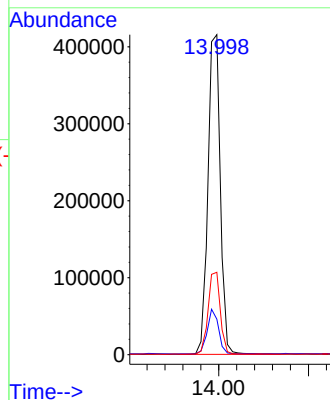
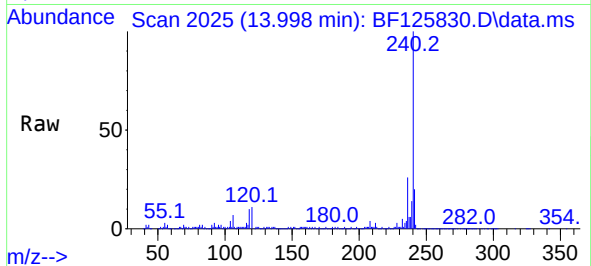
#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52

Tgt Ion:240 Resp: 397324
Ion Ratio Lower Upper
240 100
120 11.1 10.8 16.2
236 25.7 21.6 32.4

Instrument :
BNA_F
ClientSampled :
T-1

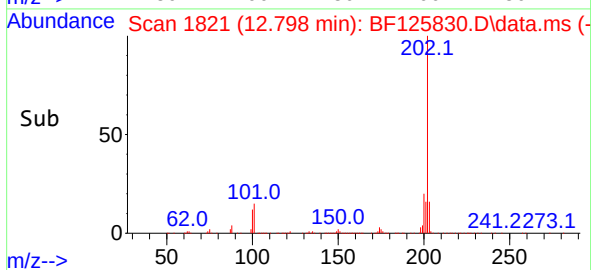
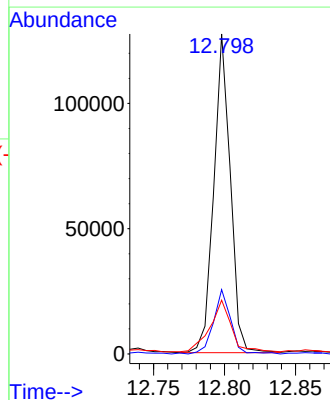
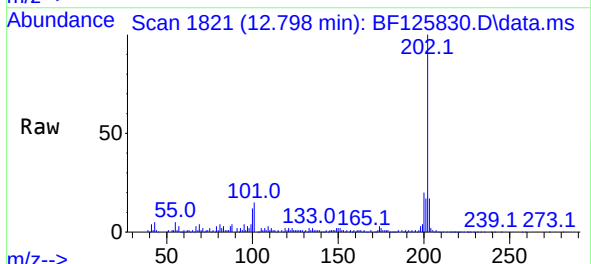
Manual Integrations
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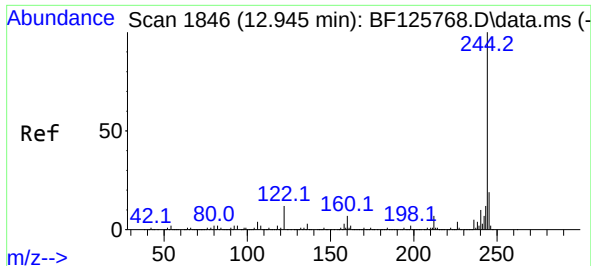
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#78
Pyrene
Concen: 2.55 ng
RT: 12.798 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52

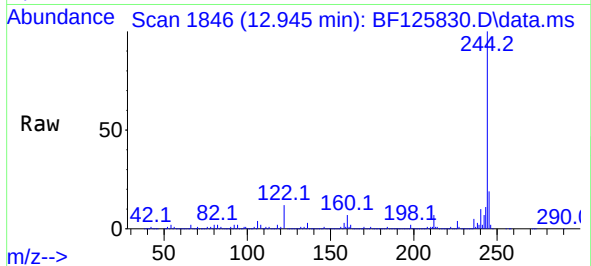
Tgt Ion:202 Resp: 103128
Ion Ratio Lower Upper
202 100
200 20.1 15.3 22.9
203 16.8 13.4 20.0





#79
Terphenyl-d14
Concen: 48.75 ng
RT: 12.945 min Scan# 1846
Delta R.T. -0.000 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52

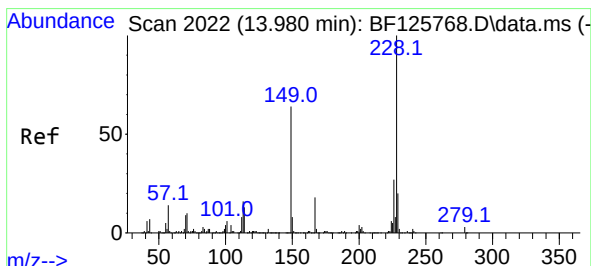
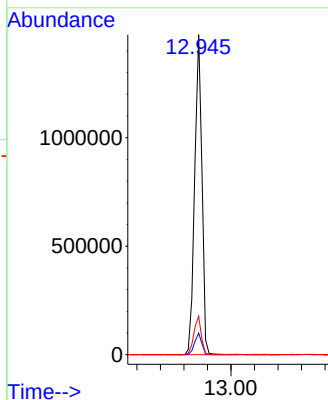
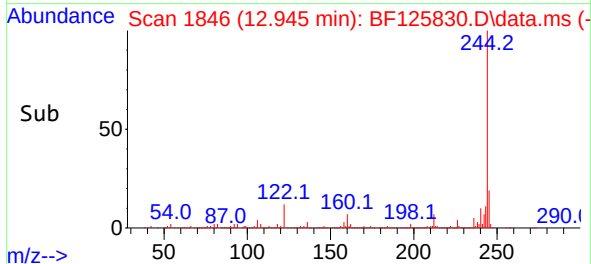
Instrument :
BNA_F
ClientSampled :
T-1



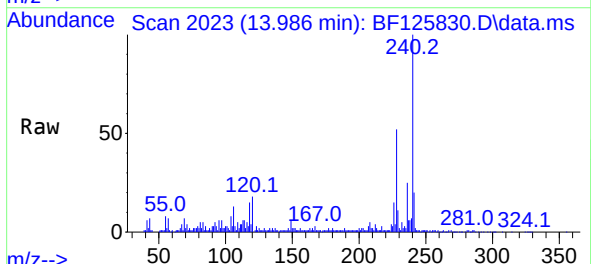
Tgt Ion:244 Resp: 1271481
Ion Ratio Lower Upper
244 100
212 6.8 5.9 8.9
122 12.1 9.0 13.4

Manual Integrations
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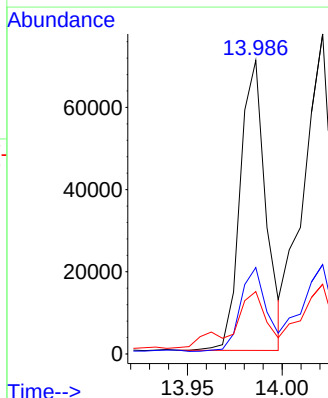
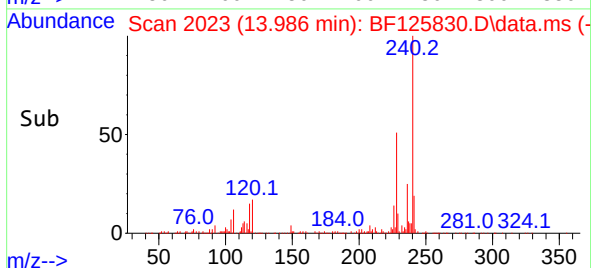
mohammad
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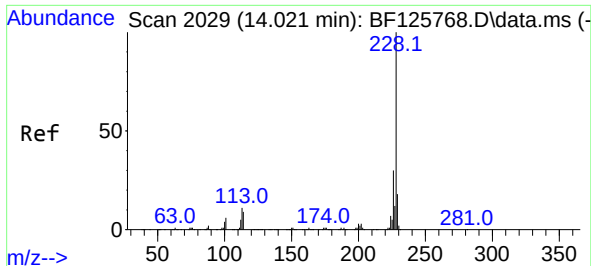


#81
Benzo(a)anthracene
Concen: 2.57 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52



Tgt Ion:228 Resp: 66311
Ion Ratio Lower Upper
228 100
226 29.4 21.6 32.4
229 21.3 15.6 23.4





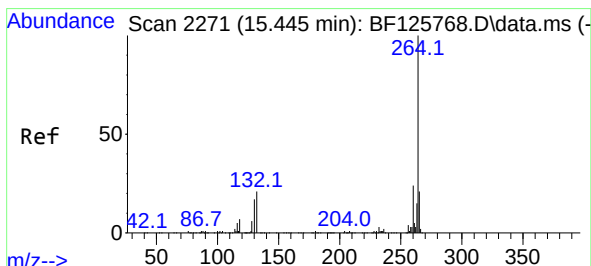
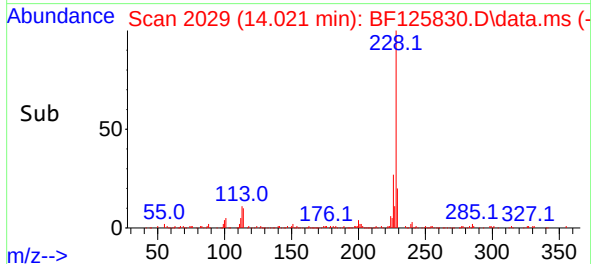
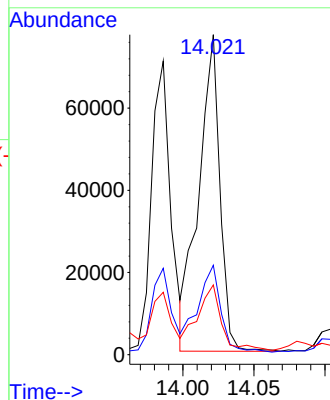
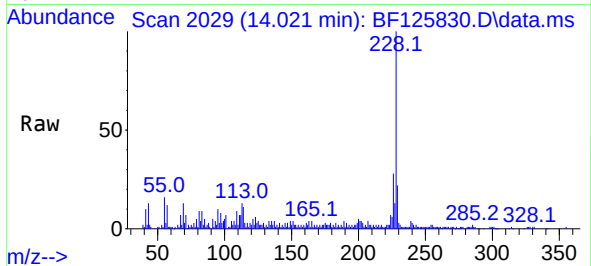
#83
Chrysene
Concen: 3.15 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52

Tgt Ion:228 Resp: 80226
Ion Ratio Lower Upper
228 100
226 27.9 22.6 34.0
229 21.8 15.9 23.9

Instrument :
BNA_F
ClientSampled :
T-1

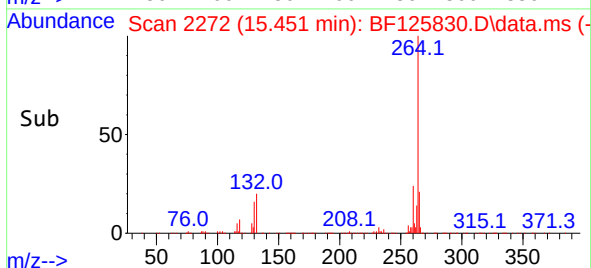
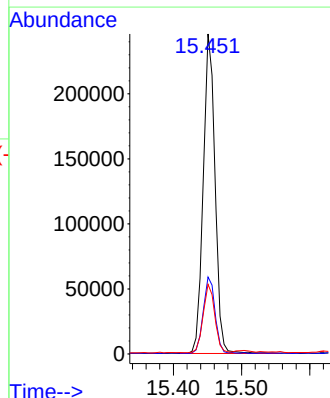
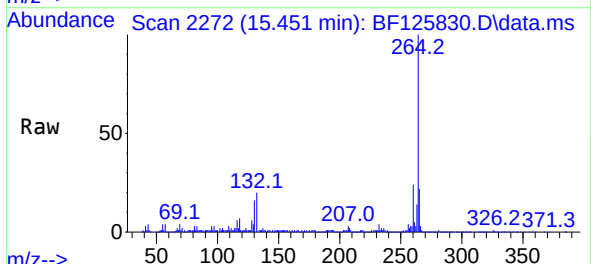
Manual Integrations
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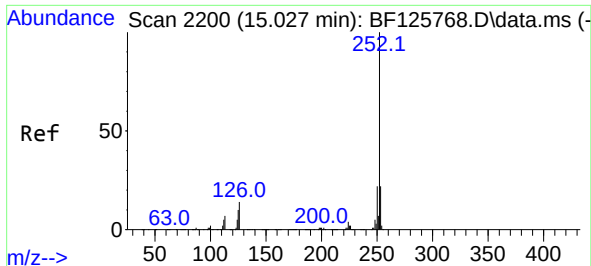
mohammad
10/14/2021 10:55:28 AM



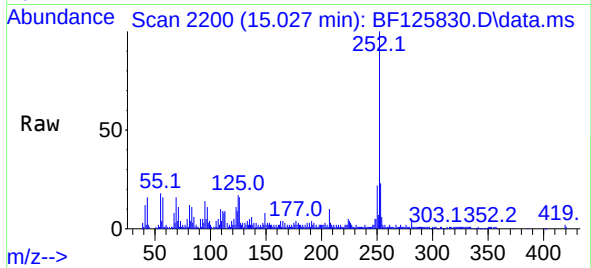
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.451 min Scan# 2272
Delta R.T. -0.000 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52

Tgt Ion:264 Resp: 296963
Ion Ratio Lower Upper
264 100
260 24.1 19.6 29.4
265 21.7 17.2 25.8

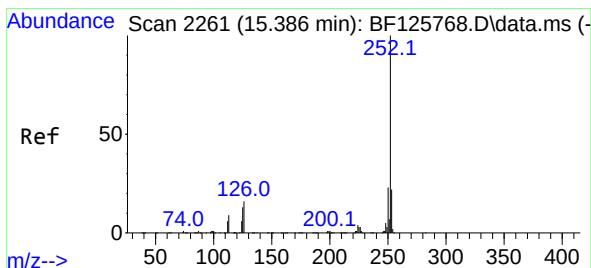
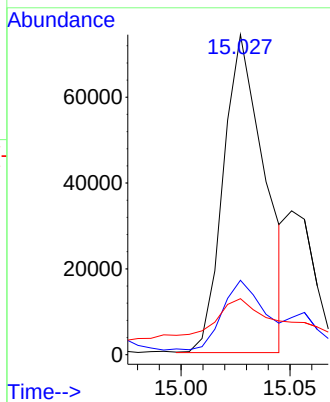
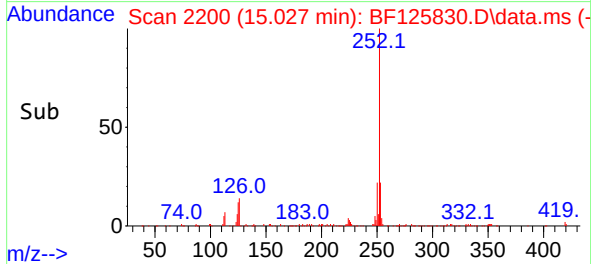




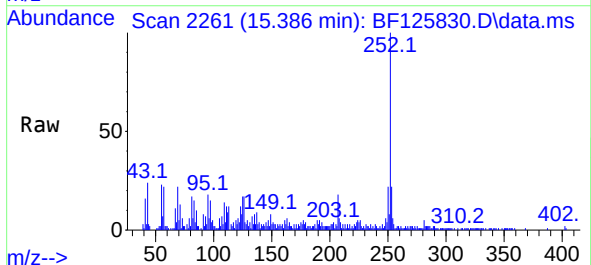
#88
Benzo(b)fluoranthene
Concen: 5.84 ng m
RT: 15.027 min Scan# 2200
Delta R.T. -0.000 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52



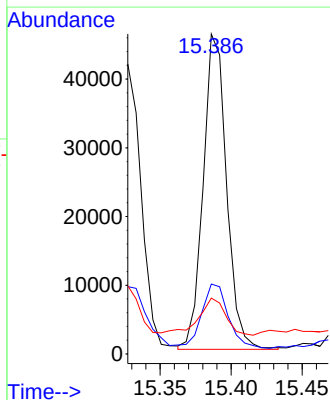
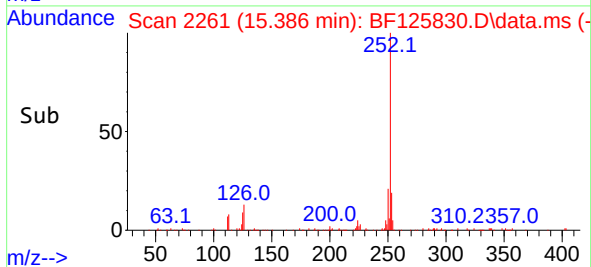
Tgt Ion:252 Resp: 97943
Ion Ratio Lower Upper
252 100
253 23.2 16.8 25.2
125 17.5 9.8 14.8#



#90
Benzo(a)pyrene
Concen: 3.55 ng
RT: 15.386 min Scan# 2261
Delta R.T. -0.006 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52



Tgt Ion:252 Resp: 52658
Ion Ratio Lower Upper
252 100
253 21.9 18.4 27.6
125 17.5 9.9 14.9#



Instrument :
BNA_F
ClientSampled :
T-1

Manual Integrations
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mohammad
10/14/2021 10:55:28 AM