

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
 Data File : BF130877.D
 Acq On : 31 Oct 2022 13:54
 Operator : CG\JU
 Sample : N5234-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSP-SS-03-03-05

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 11/01/2022
 Supervised By :Jagrut Upadhyay 11/01/2022

Quant Time: Nov 01 02:26:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 29 05:41:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.940	152	81107	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	305155	20.000	ng	0.00
39) Acenaphthene-d10	9.986	164	166607	20.000	ng	-0.01
64) Phenanthrene-d10	11.480	188	295903	20.000	ng	0.00
76) Chrysene-d12	14.127	240	160322	20.000	ng	0.00
86) Perylene-d12	15.645	264	151909	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	425418	90.930	ng	0.00
7) Phenol-d6	6.557	99	577579	95.001	ng	0.00
23) Nitrobenzene-d5	7.504	82	382644	75.611	ng	-0.01
42) 2,4,6-Tribromophenol	10.781	330	131339	93.647	ng	0.00
45) 2-Fluorobiphenyl	9.304	172	683571	62.031	ng	0.00
79) Terphenyl-d14	13.069	244	555835	63.531	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.504	178	43438	2.844	ng	100
75) Fluoranthene	12.698	202	67220	4.142	ng	98
78) Pyrene	12.927	202	62177	4.597	ng	98
88) Benzo(b)fluoranthene	15.192	252	26795m	2.729	ng	
90) Benzo(a)pyrene	15.580	252	20762	2.630	ng	# 93

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

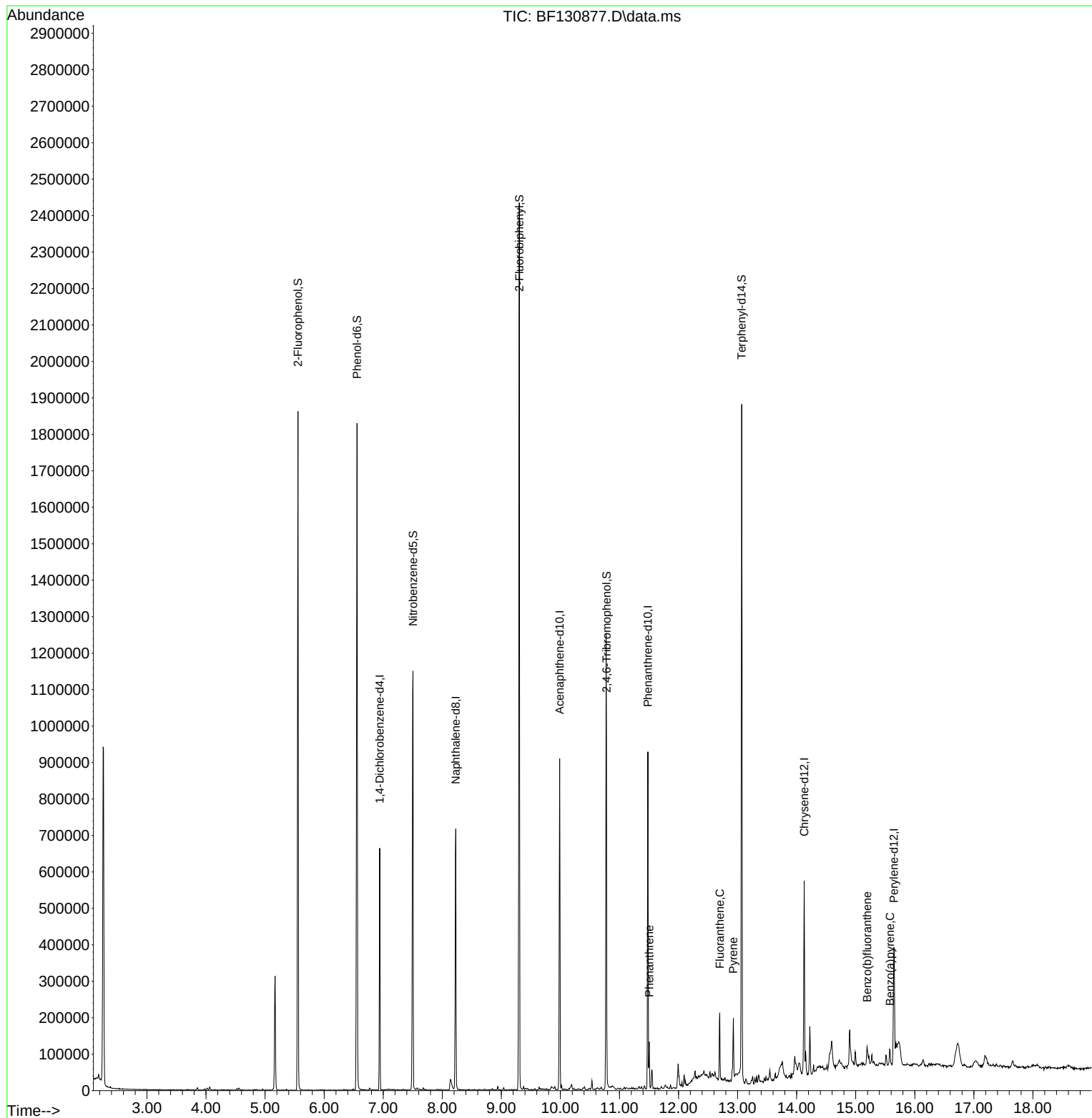
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
Data File : BF130877.D
Acq On : 31 Oct 2022 13:54
Operator : CG\JU
Sample : N5234-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

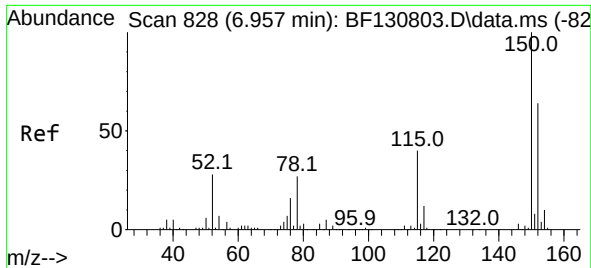
Instrument :
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LSP-SS-03-03-05

Quant Time: Nov 01 02:26:52 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 29 05:41:34 2022
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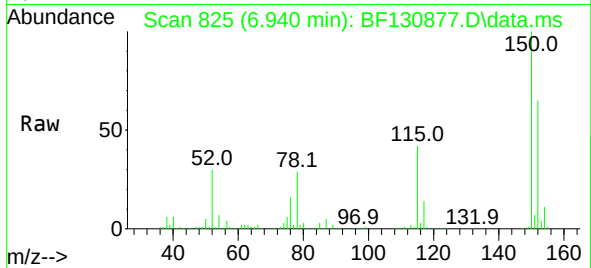
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.940 min Scan# 811
Delta R.T. -0.005 min
Lab File: BF130877.D
Acq: 31 Oct 2022 13:54

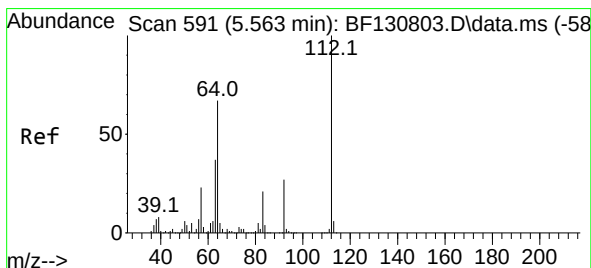
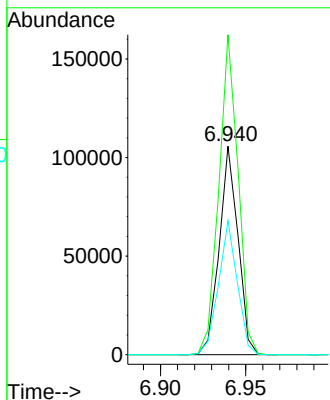
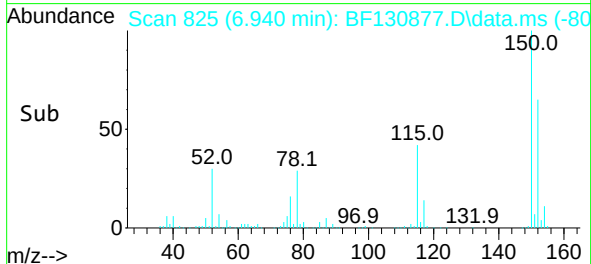
Instrument :
BNA_F
ClientSampleId :
LSP-SS-03-03-05



Tgt Ion:152 Resp: 8110
Ion Ratio Lower Upper
152 100
150 153.5 124.1 186.1
115 64.3 50.1 75.1

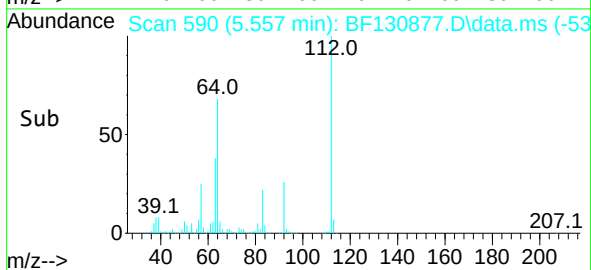
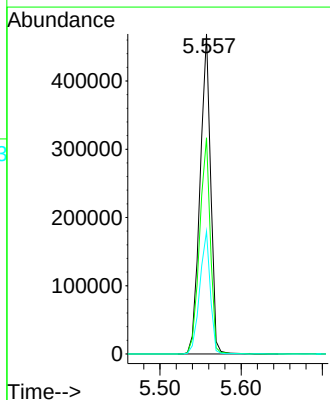
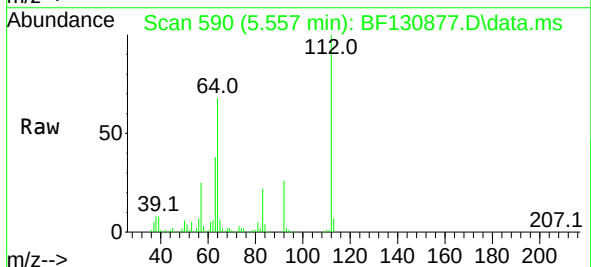
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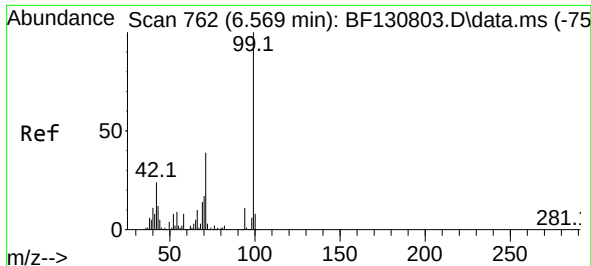
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#5
2-Fluorophenol
Concen: 90.930 ng
RT: 5.557 min Scan# 590
Delta R.T. 0.000 min
Lab File: BF130877.D
Acq: 31 Oct 2022 13:54

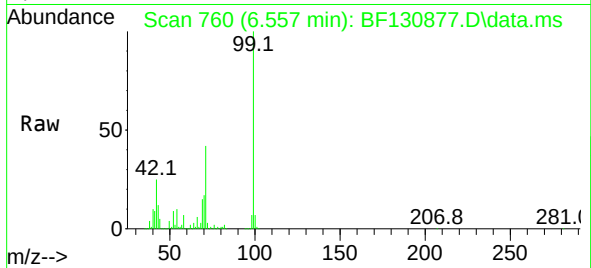
Tgt Ion:112 Resp: 425418
Ion Ratio Lower Upper
112 100
64 67.6 53.9 80.9
63 38.3 29.4 44.2





#7
Phenol-d6
Concen: 95.001 ng
RT: 6.557 min Scan# 760
Delta R.T. -0.006 min
Lab File: BF130877.D
Acq: 31 Oct 2022 13:54

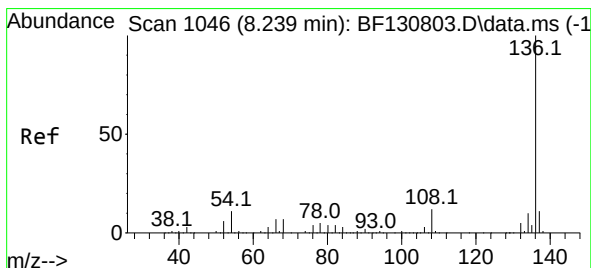
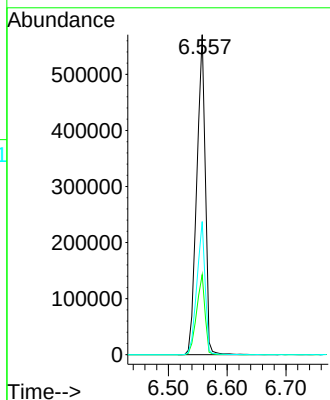
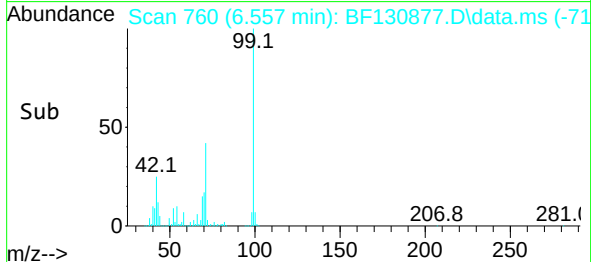
Instrument :
BNA_F
ClientSampleId :
LSP-SS-03-03-05



Tgt Ion: 99 Resp: 577579
Ion Ratio Lower Upper
99 100
42 25.0 18.8 28.2
71 41.6 31.4 47.0

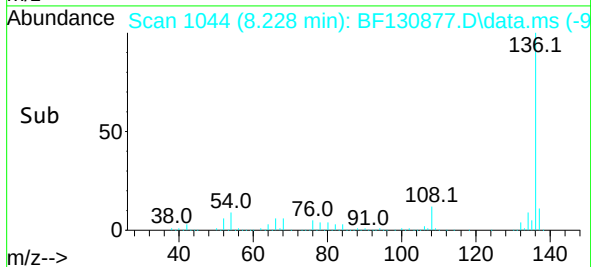
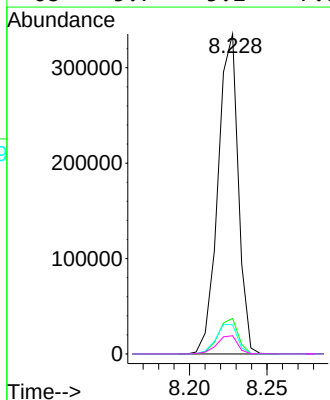
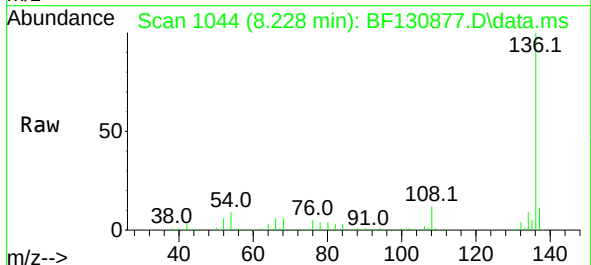
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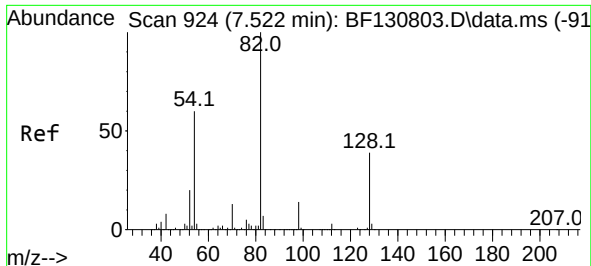
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Supervised By :Jagrut Upadhyay 11/01/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.228 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF130877.D
Acq: 31 Oct 2022 13:54

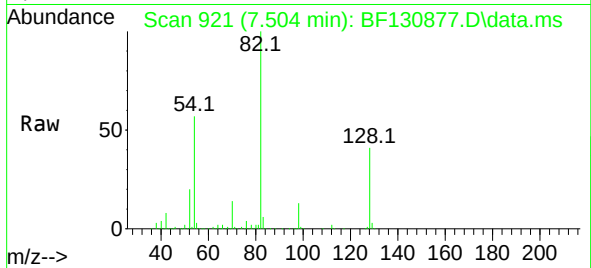
Tgt Ion:136 Resp: 305155
Ion Ratio Lower Upper
136 100
137 11.1 9.2 13.8
54 9.1 8.8 13.2
68 5.7 5.2 7.8





#23
Nitrobenzene-d5
Concen: 75.611 ng
RT: 7.504 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF130877.D
Acq: 31 Oct 2022 13:54

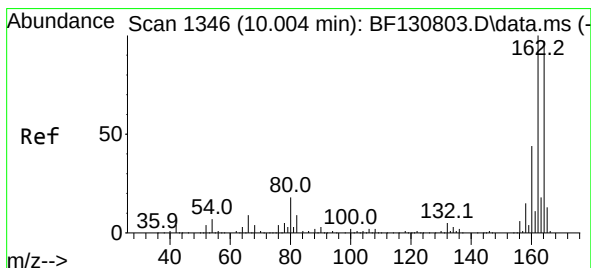
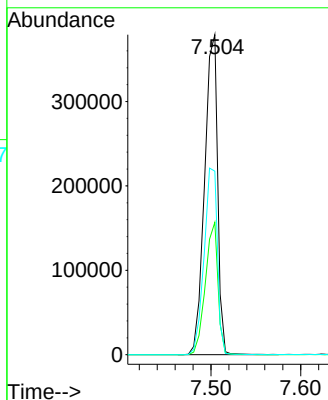
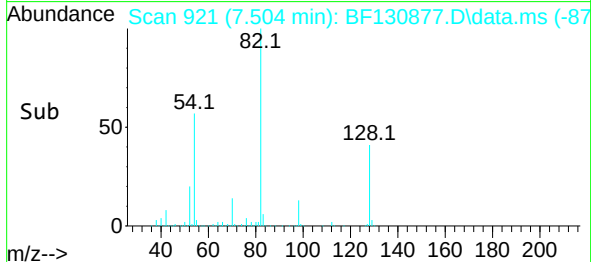
Instrument :
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Tgt Ion: 82 Resp: 382644
Ion Ratio Lower Upper
82 100
128 41.4 31.2 46.8
54 57.4 48.0 72.0

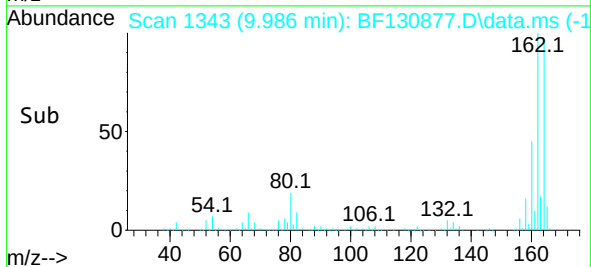
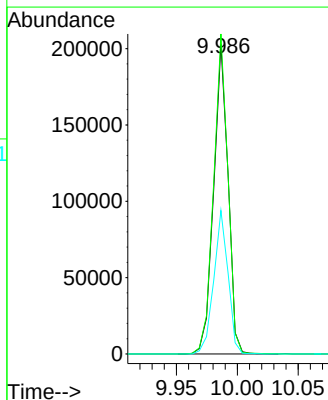
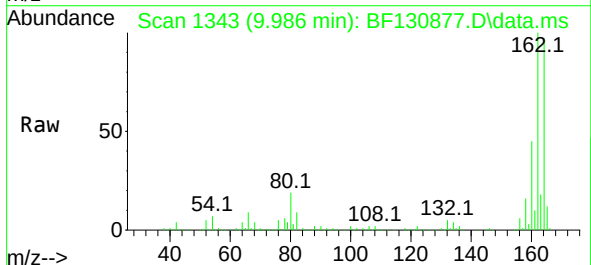
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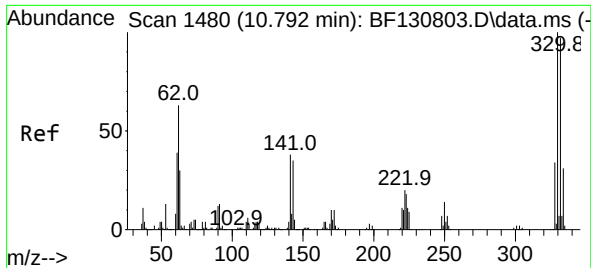
Reviewed By :Christian Giraldo 11/01/2022
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.986 min Scan# 1343
Delta R.T. -0.012 min
Lab File: BF130877.D
Acq: 31 Oct 2022 13:54

Tgt Ion:164 Resp: 166607
Ion Ratio Lower Upper
164 100
162 103.3 82.2 123.2
160 46.3 36.6 54.8





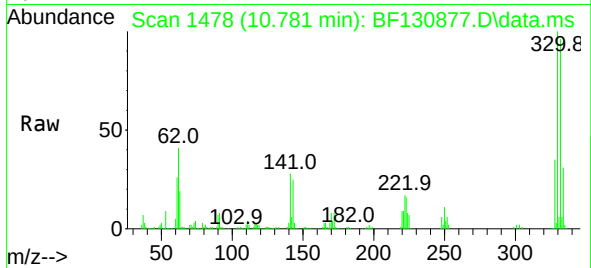
#42
2,4,6-Tribromophenol
Concen: 93.647 ng
RT: 10.781 min Scan# 1480
Delta R.T. -0.006 min
Lab File: BF130877.D
Acq: 31 Oct 2022 13:54

Instrument :

BNA_F

ClientSampleId :

LSP-SS-03-03-05

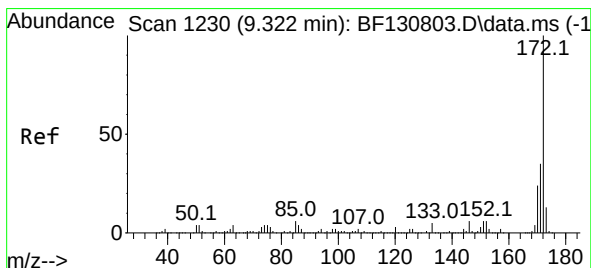
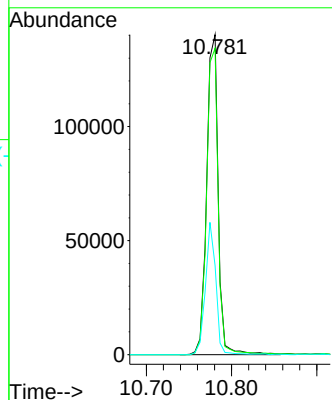


Tgt Ion:330 Resp: 131339
Ion Ratio Lower Upper
330 100
332 96.3 76.2 114.4
141 37.3 31.4 47.0

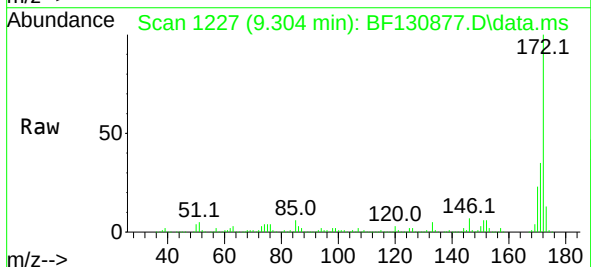
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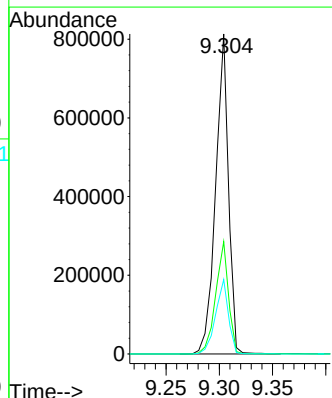
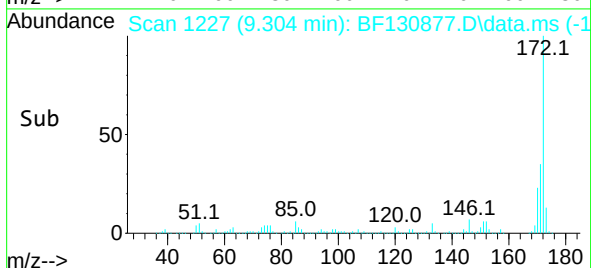
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022

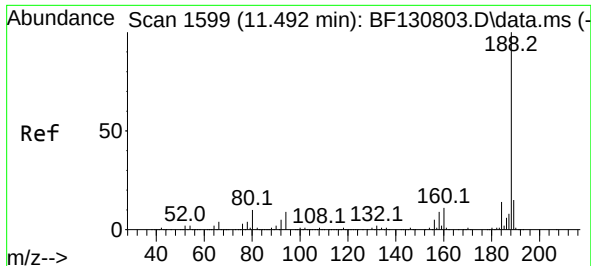


#45
2-Fluorobiphenyl
Concen: 62.031 ng
RT: 9.304 min Scan# 1227
Delta R.T. -0.006 min
Lab File: BF130877.D
Acq: 31 Oct 2022 13:54



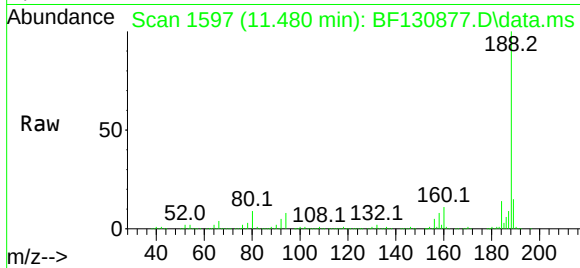
Tgt Ion:172 Resp: 683571
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 23.3 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130877.D
Acq: 31 Oct 2022 13:54

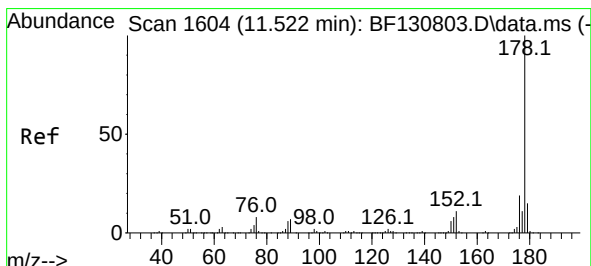
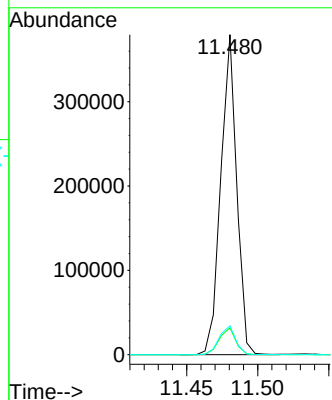
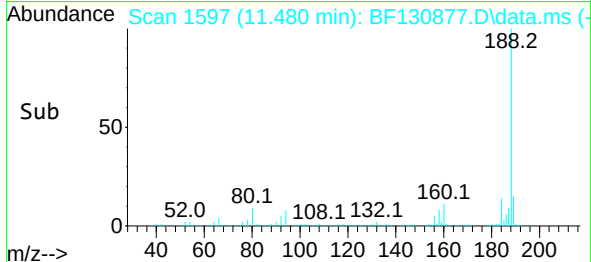
Instrument :
BNA_F
ClientSampleId :
LSP-SS-03-03-05



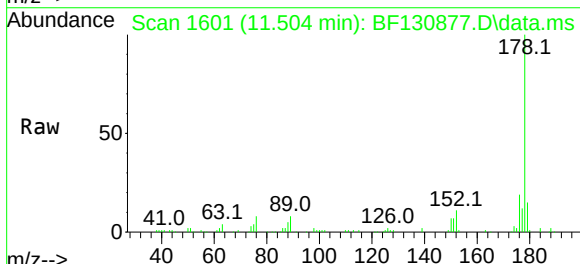
Tgt Ion:188 Resp: 29590
Ion Ratio Lower Upper
188 100
94 8.4 7.4 11.2
80 9.0 8.0 12.0

Manual Integrations
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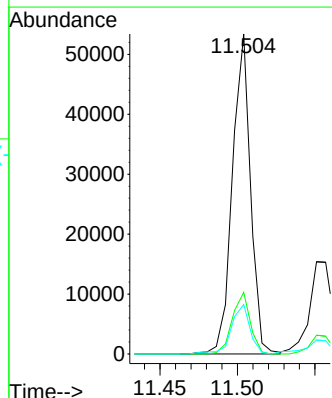
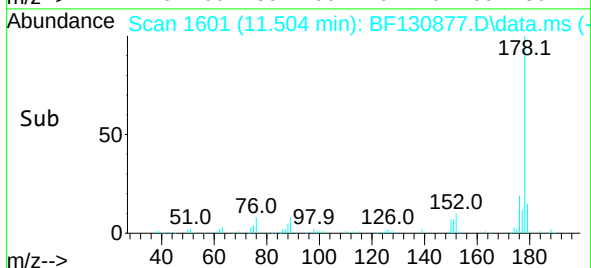
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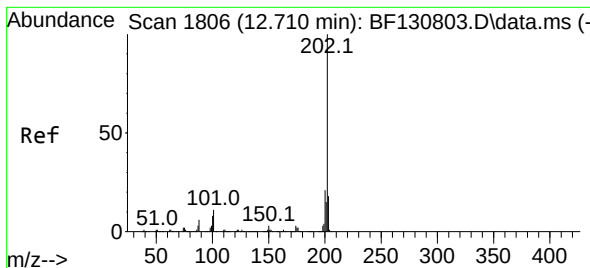


#71
Phenanthrene
Concen: 2.844 ng
RT: 11.504 min Scan# 1601
Delta R.T. -0.006 min
Lab File: BF130877.D
Acq: 31 Oct 2022 13:54



Tgt Ion:178 Resp: 43438
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.5 12.2 18.2





#75

Fluoranthene

Concen: 4.142 ng

RT: 12.698 min Scan# 1804

Delta R.T. -0.006 min

Lab File: BF130877.D

Acq: 31 Oct 2022 13:54

Instrument :

BNA_F

ClientSampleId :

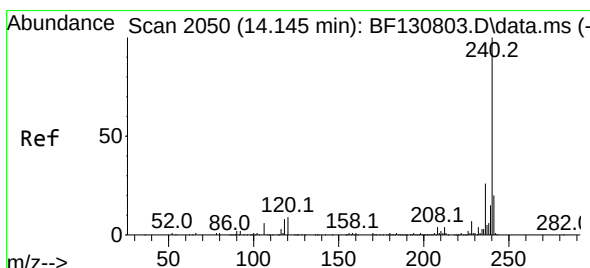
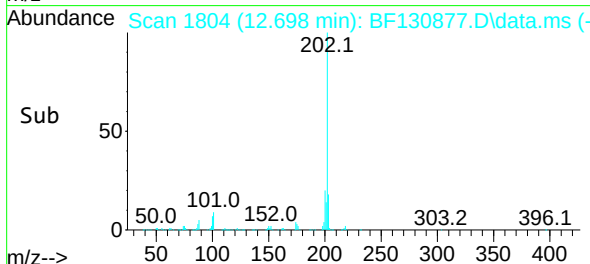
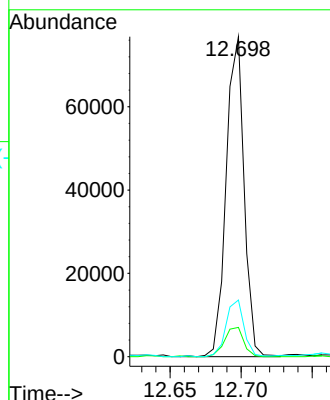
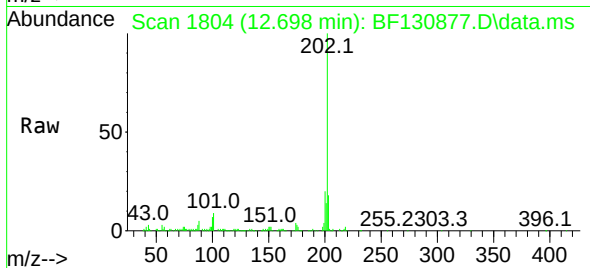
LSP-SS-03-03-05

Tgt Ion:202 Resp: 67220
 Ion Ratio Lower Upper
 202 100
 101 9.2 0.0 30.9
 203 17.7 0.0 37.7

Manual Integrations

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#76

Chrysene-d12

Concen: 20.000 ng

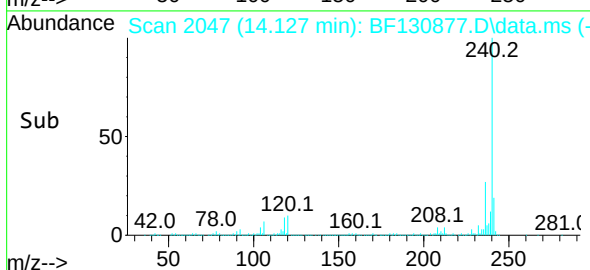
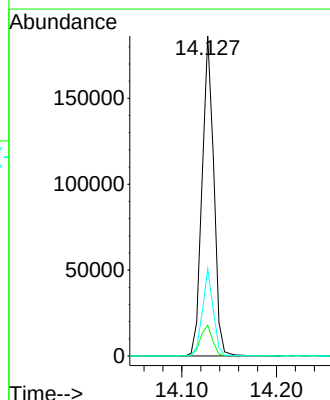
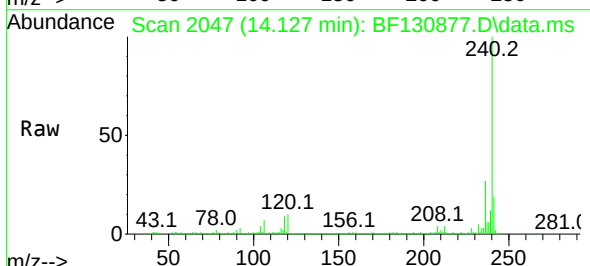
RT: 14.127 min Scan# 2047

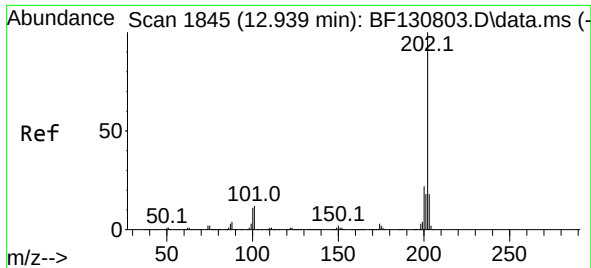
Delta R.T. -0.006 min

Lab File: BF130877.D

Acq: 31 Oct 2022 13:54

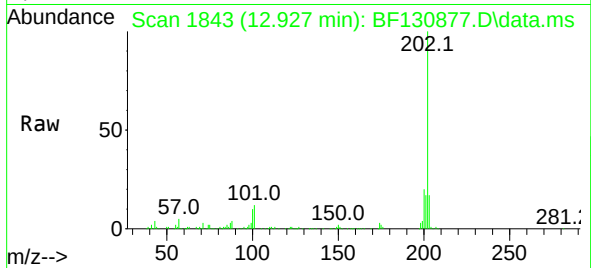
Tgt Ion:240 Resp: 160322
 Ion Ratio Lower Upper
 240 100
 120 9.6 7.0 10.4
 236 27.3 20.5 30.7





#78
Pyrene
Concen: 4.597 ng
RT: 12.927 min Scan# 1843
Delta R.T. -0.006 min
Lab File: BF130877.D
Acq: 31 Oct 2022 13:54

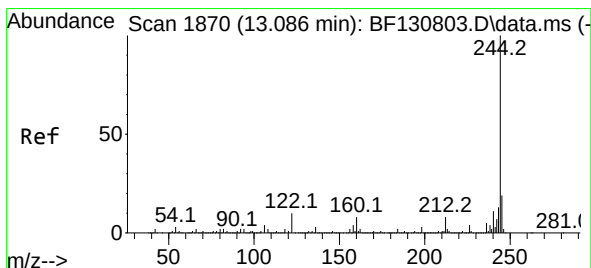
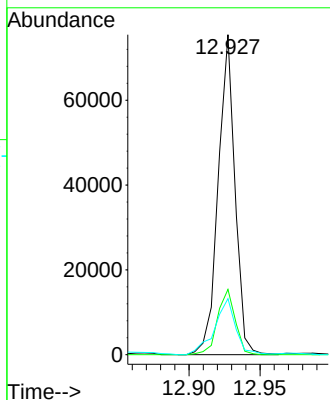
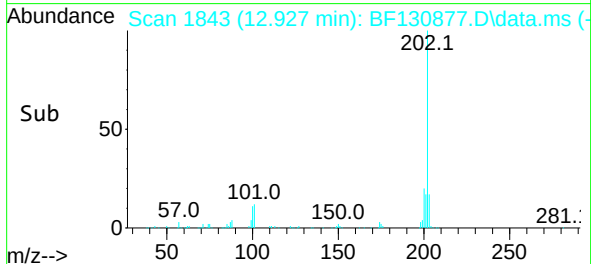
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LSP-SS-03-03-05



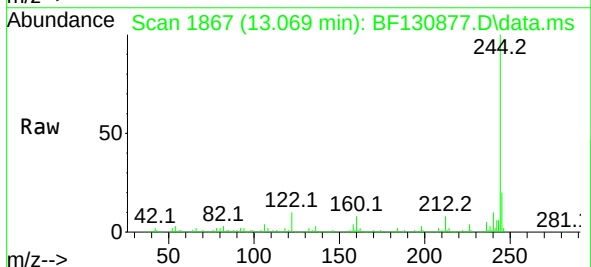
Tgt Ion:202 Resp: 6217
Ion Ratio Lower Upper
202 100
200 20.4 17.2 25.8
203 17.5 14.5 21.7

Manual Integrations
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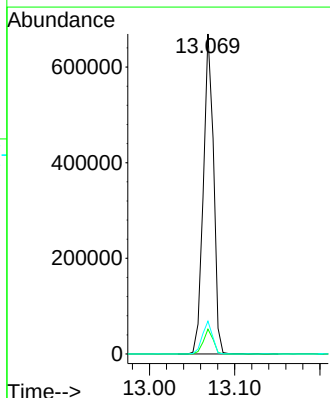
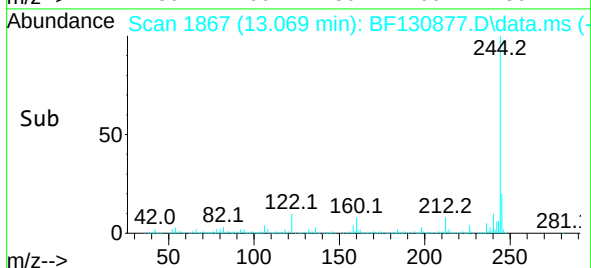
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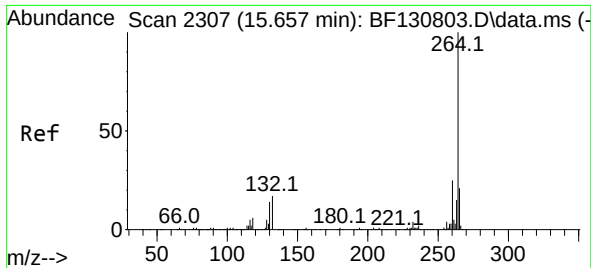


#79
Terphenyl-d14
Concen: 63.531 ng
RT: 13.069 min Scan# 1867
Delta R.T. -0.006 min
Lab File: BF130877.D
Acq: 31 Oct 2022 13:54



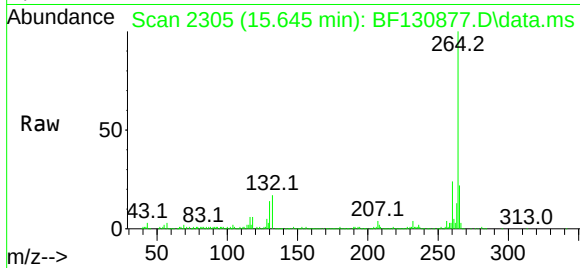
Tgt Ion:244 Resp: 555835
Ion Ratio Lower Upper
244 100
212 7.8 6.2 9.2
122 10.3 7.9 11.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.645 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF130877.D
Acq: 31 Oct 2022 13:54

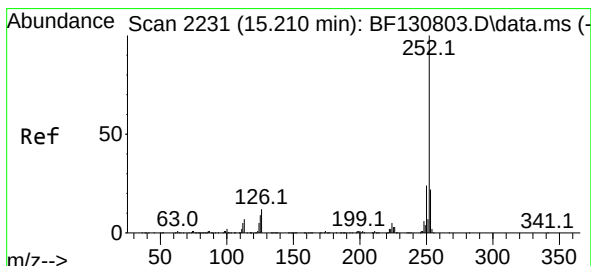
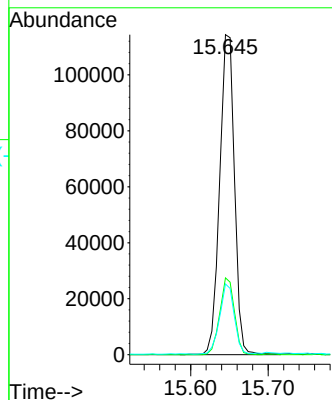
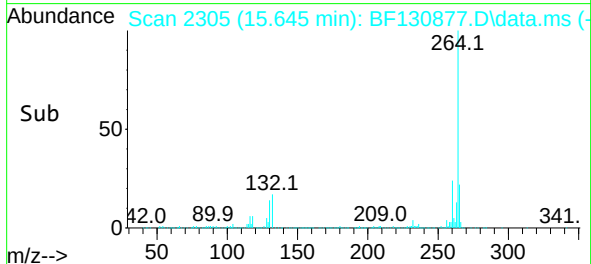
Instrument :
BNA_F
ClientSampleId :
LSP-SS-03-03-05



Tgt Ion:264 Resp: 151909
Ion Ratio Lower Upper
264 100
260 24.0 19.9 29.9
265 22.1 17.0 25.6

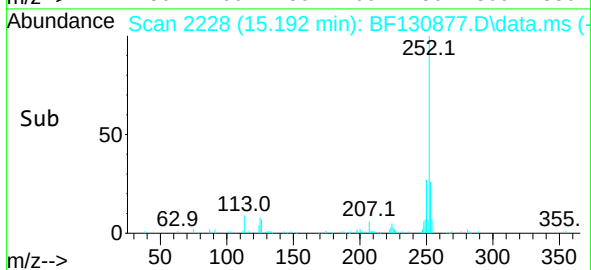
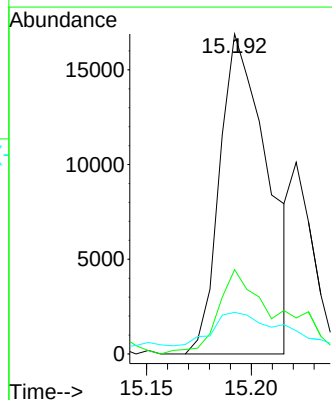
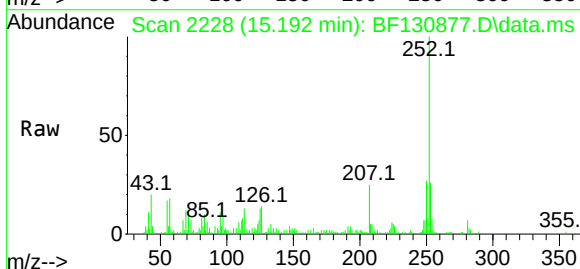
Manual Integrations
APPROVED

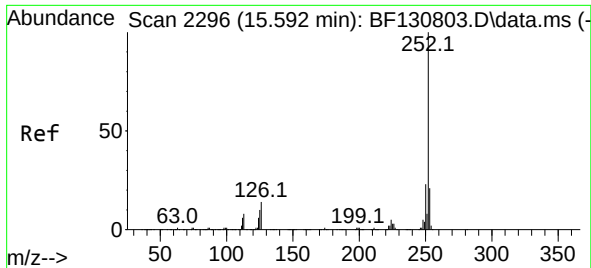
Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#88
Benzo(b)fluoranthene
Concen: 2.729 ng m
RT: 15.192 min Scan# 2228
Delta R.T. -0.006 min
Lab File: BF130877.D
Acq: 31 Oct 2022 13:54

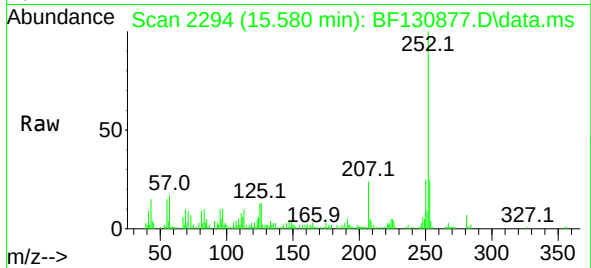
Tgt Ion:252 Resp: 26795
Ion Ratio Lower Upper
252 100
253 26.3 17.5 26.3#
125 13.0 7.0 10.4#





#90
Benzo(a)pyrene
Concen: 2.630 ng
RT: 15.580 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF130877.D
Acq: 31 Oct 2022 13:54

Instrument :
BNA_F
ClientSampleId :
LSP-SS-03-03-05



Tgt Ion:252 Resp: 20762
Ion Ratio Lower Upper
252 100
253 24.6 16.8 25.2
125 13.0 8.3 12.5

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 11/01/2022
Supervised By :Jagrut Upadhyay 11/01/2022

