

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
 Data File : BF128963.D
 Acq On : 23 Jun 2022 20:37
 Operator : CG\JU
 Sample : N3467-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 QA-QC-COMP-XRDS008-22

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/24/2022
 Supervised By : Jagrut Upadhyay 06/28/2022

Quant Time: Jun 24 04:34:13 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 24 00:50:48 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	110455	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	409682	20.000	ng	# 0.00
39) Acenaphthene-d10	9.763	164	227568	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	408475	20.000	ng	# 0.00
76) Chrysene-d12	13.892	240	244919	20.000	ng	# 0.00
86) Perylene-d12	15.327	264	214577	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	907431	130.857	ng	0.00
7) Phenol-d6	6.386	99	1132709	133.815	ng	0.00
23) Nitrobenzene-d5	7.298	82	828129	94.113	ng	0.00
42) 2,4,6-Tribromophenol	10.557	330	320622	119.242	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	1439477	88.607	ng	0.00
79) Terphenyl-d14	12.839	244	1388357	98.500	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.274	178	83070	4.055	ng	97
75) Fluoranthene	12.463	202	114923	5.366	ng	97
78) Pyrene	12.692	202	105938	5.814	ng	98
81) Benzo(a)anthracene	13.880	228	40324	2.641	ng	97
83) Chrysene	13.915	228	36054	2.477	ng	99
88) Benzo(b)fluoranthene	14.915	252	43857m	3.199	ng	
90) Benzo(a)pyrene	15.268	252	29528	2.740	ng	97
92) Benzo(g,h,i)perylene	17.156	276	22710	2.136	ng	94

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

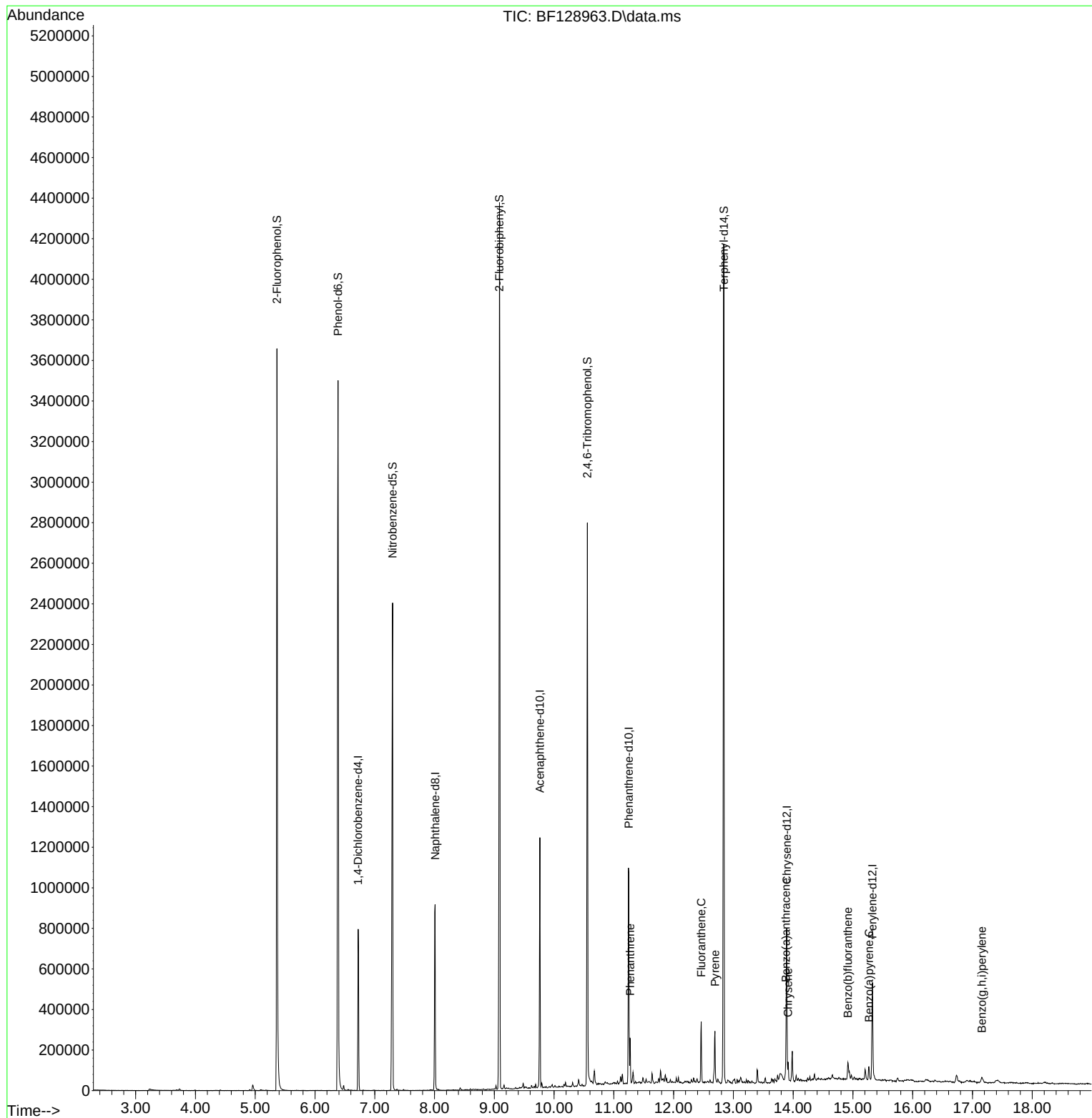
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128963.D
Acq On : 23 Jun 2022 20:37
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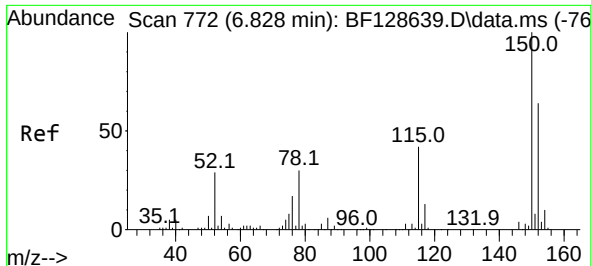
Instrument :
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QA-QC-COMP-XRDS008-22

Quant Time: Jun 24 04:34:13 2022
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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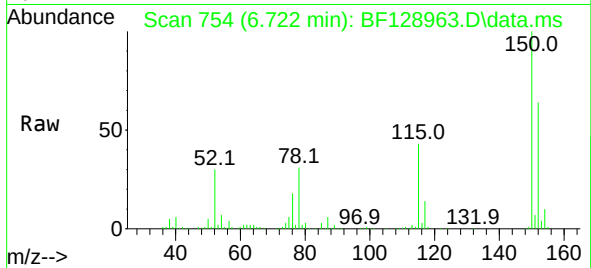
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Supervised By : Jagrut Upadhyay 06/28/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128963.D
Acq: 23 Jun 2022 20:37

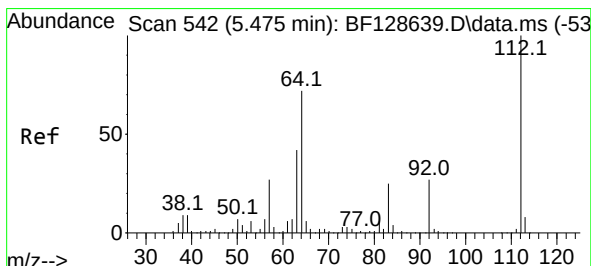
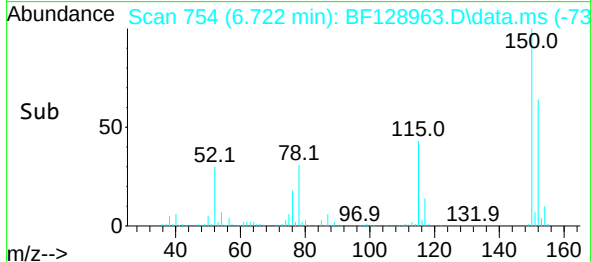
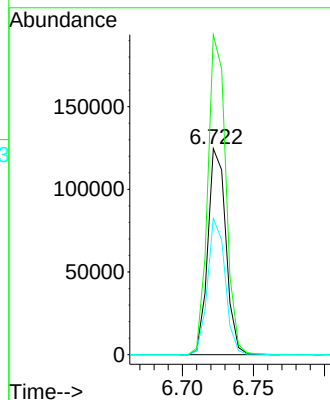
Instrument :
BNA_F
ClientSampleId :
QA-QC-COMP-XRDS008-22



Tgt Ion:152 Resp: 110458
Ion Ratio Lower Upper
152 100
150 155.3 123.7 185.5
115 66.2 49.9 74.9

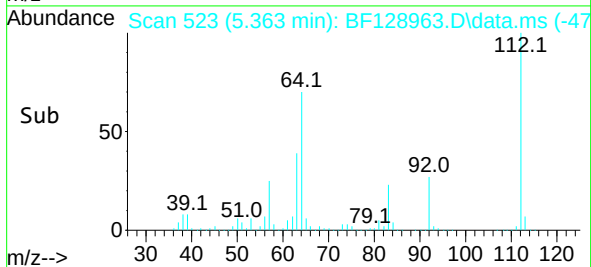
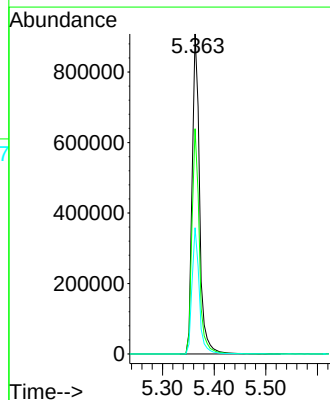
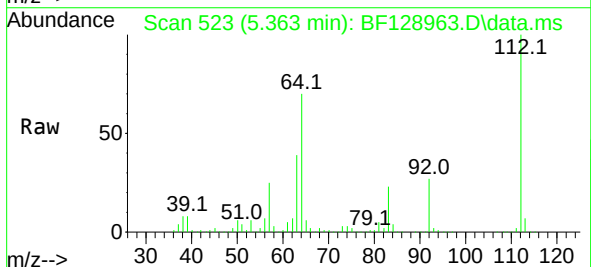
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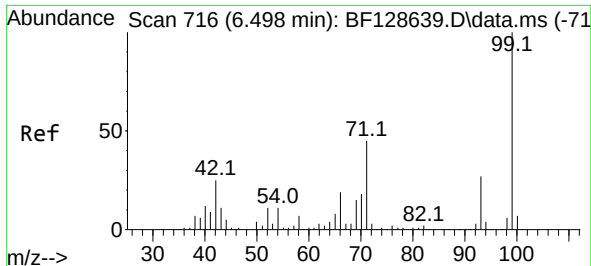
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#5
2-Fluorophenol
Concen: 130.857 ng
RT: 5.363 min Scan# 523
Delta R.T. 0.006 min
Lab File: BF128963.D
Acq: 23 Jun 2022 20:37

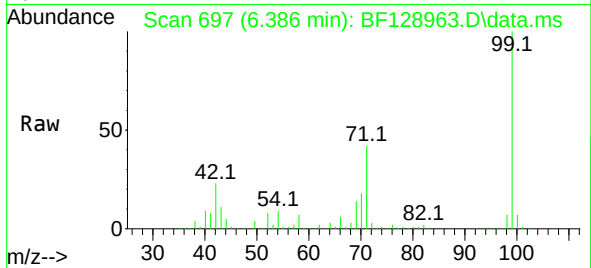
Tgt Ion:112 Resp: 907431
Ion Ratio Lower Upper
112 100
64 70.4 53.3 79.9
63 39.4 28.0 42.0





#7
Phenol-d6
Concen: 133.815 ng
RT: 6.386 min Scan# 64
Delta R.T. -0.000 min
Lab File: BF128963.D
Acq: 23 Jun 2022 20:37

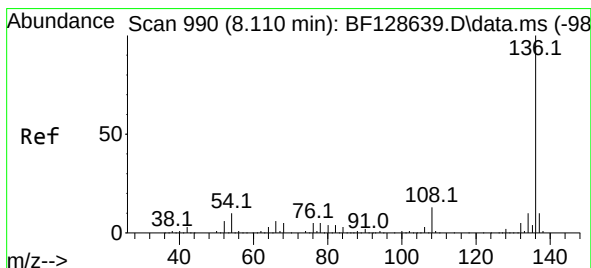
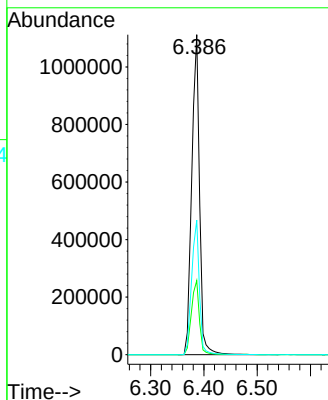
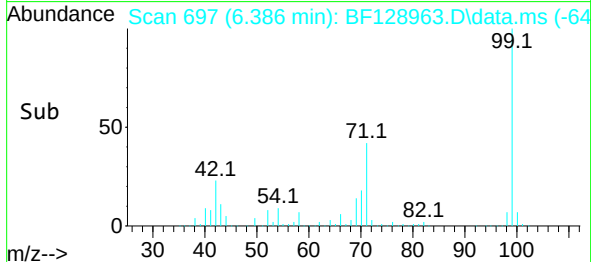
Instrument :
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Tgt Ion: 99 Resp: 1132709
Ion Ratio Lower Upper
99 100
42 23.2 17.3 25.9
71 42.1 28.9 43.3

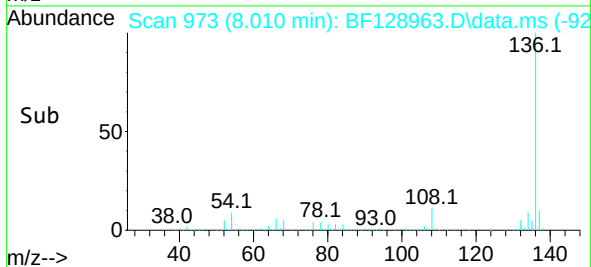
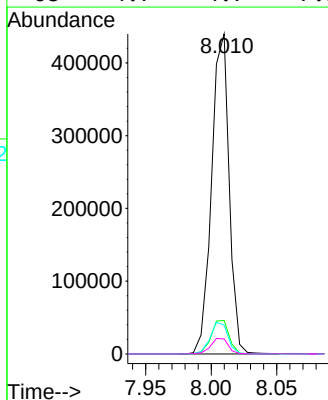
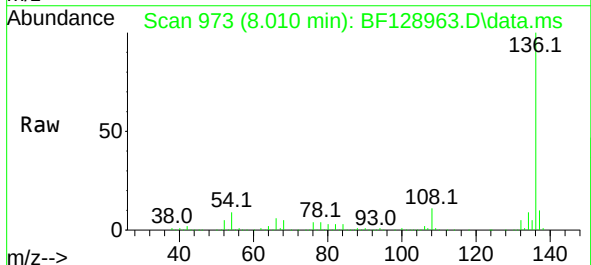
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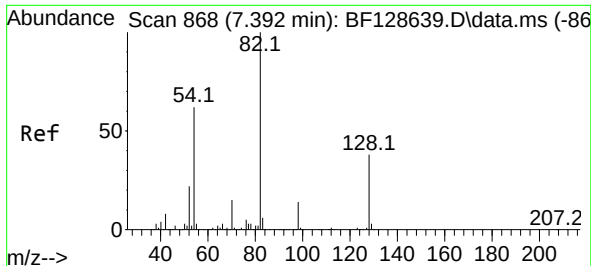
Reviewed By :Christian Giraldo 06/24/2022
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 973
Delta R.T. -0.000 min
Lab File: BF128963.D
Acq: 23 Jun 2022 20:37

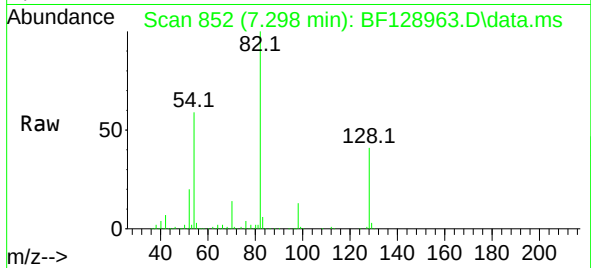
Tgt Ion:136 Resp: 409682
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 9.0 7.5 11.3
68 4.7 4.7 7.1#





#23
Nitrobenzene-d5
Concen: 94.113 ng
RT: 7.298 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF128963.D
Acq: 23 Jun 2022 20:37

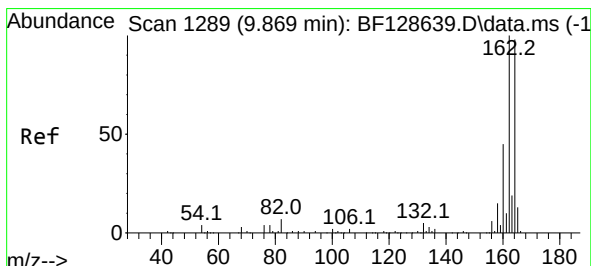
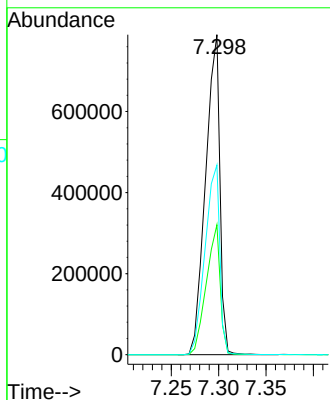
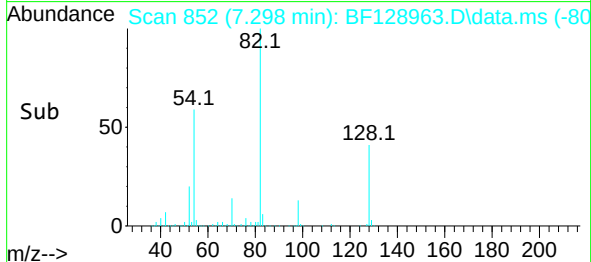
Instrument :
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ClientSampleId :
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Tgt Ion: 82 Resp: 828129
Ion Ratio Lower Upper
82 100
128 40.6 34.0 51.0
54 59.3 46.9 70.3

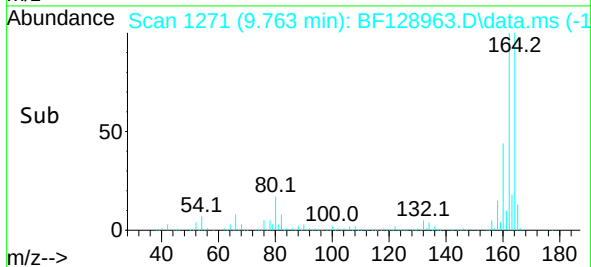
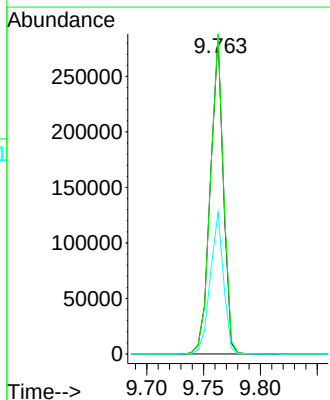
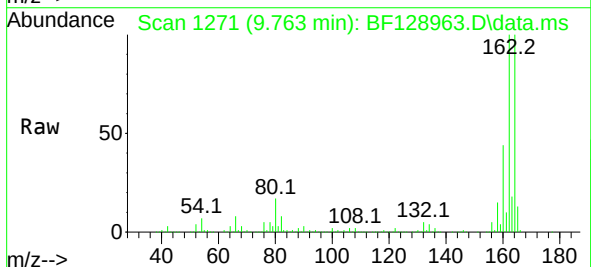
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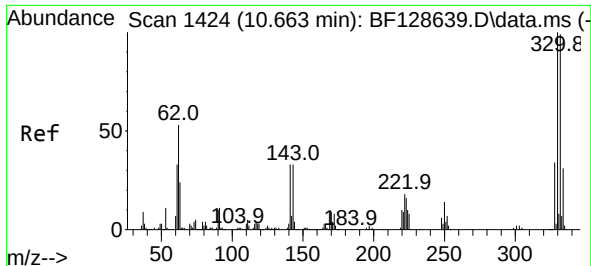
Reviewed By :Christian Giraldo 06/24/2022
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 1271
Delta R.T. -0.006 min
Lab File: BF128963.D
Acq: 23 Jun 2022 20:37

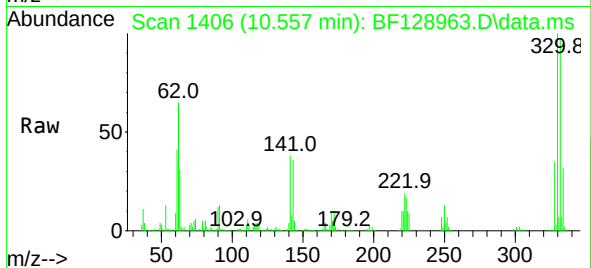
Tgt Ion:164 Resp: 227568
Ion Ratio Lower Upper
164 100
162 100.5 79.5 119.3
160 44.5 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 119.242 ng
RT: 10.557 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF128963.D
Acq: 23 Jun 2022 20:37

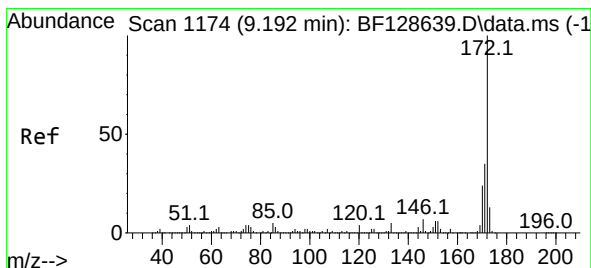
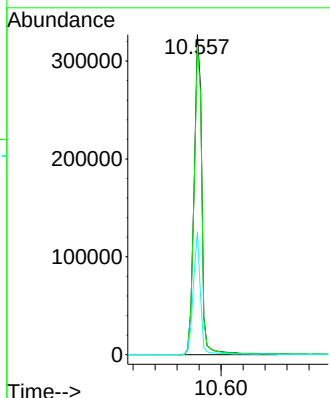
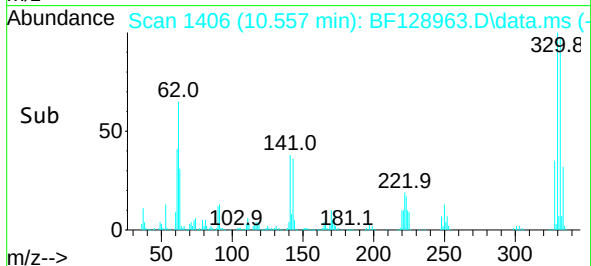
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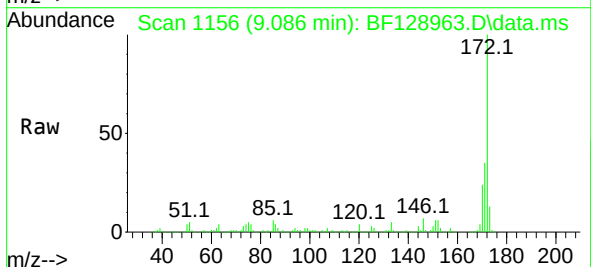
Tgt Ion:330 Resp: 32062
Ion Ratio Lower Upper
330 100
332 96.5 76.8 115.2
141 35.5 28.0 42.0

Manual Integrations
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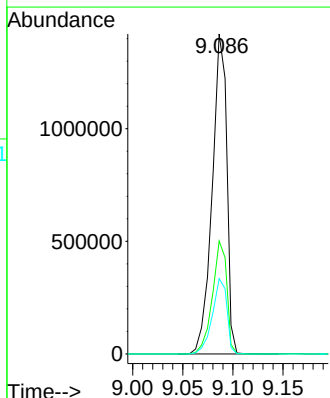
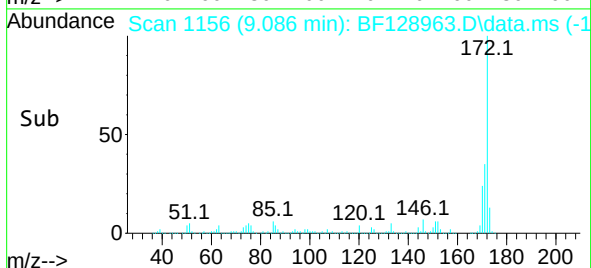
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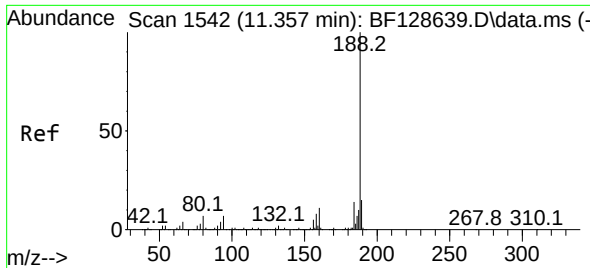


#45
2-Fluorobiphenyl
Concen: 88.607 ng
RT: 9.086 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF128963.D
Acq: 23 Jun 2022 20:37



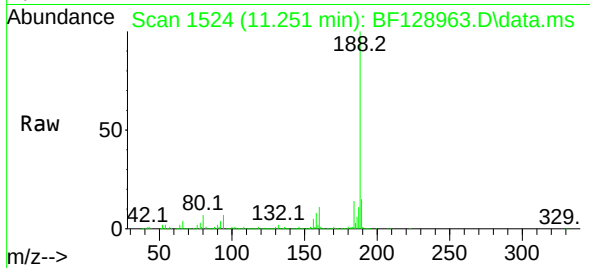
Tgt Ion:172 Resp: 1439477
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 23.6 19.8 29.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.251 min Scan# 11251
Delta R.T. -0.000 min
Lab File: BF128963.D
Acq: 23 Jun 2022 20:37

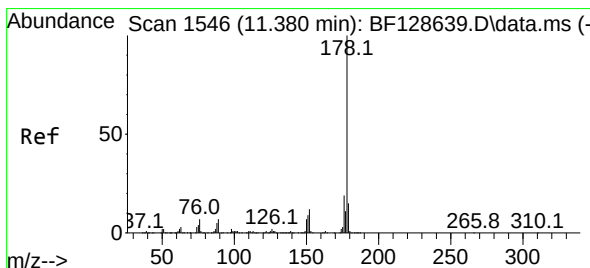
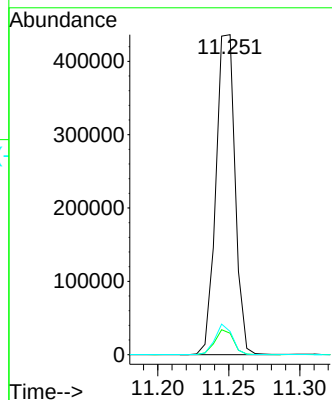
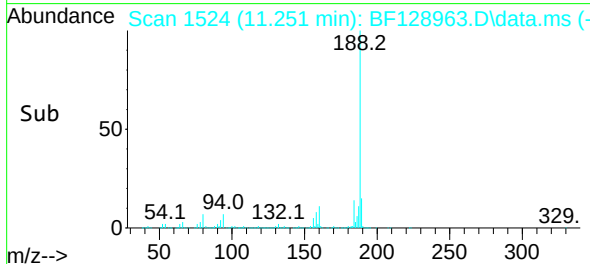
Instrument :
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Tgt Ion:188 Resp: 408475
Ion Ratio Lower Upper
188 100
94 6.7 7.0 10.6
80 7.2 7.6 11.4

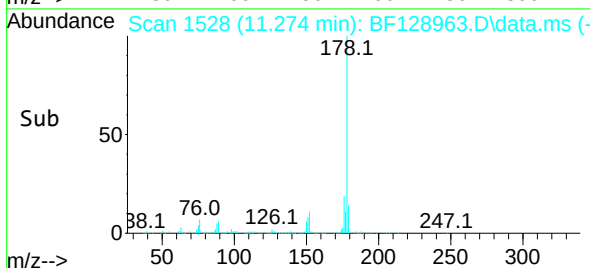
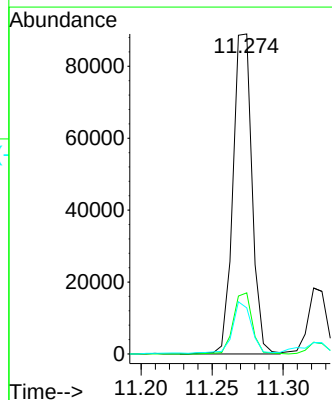
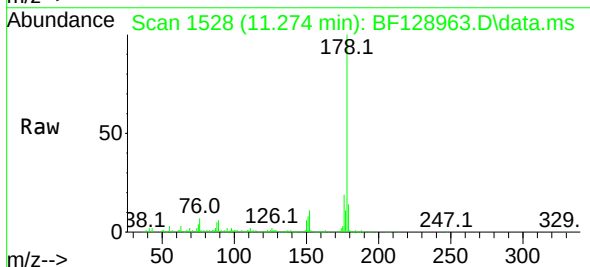
Manual Integrations
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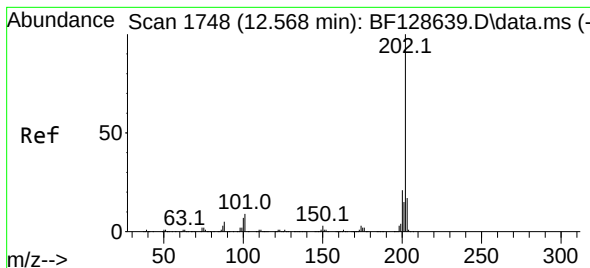
Reviewed By :Christian Giraldo 06/24/2022
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#71
Phenanthrene
Concen: 4.055 ng
RT: 11.274 min Scan# 1528
Delta R.T. -0.006 min
Lab File: BF128963.D
Acq: 23 Jun 2022 20:37

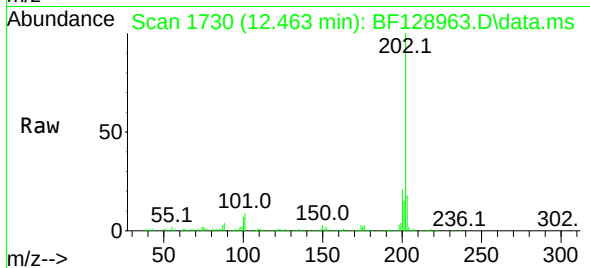
Tgt Ion:178 Resp: 83070
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 14.4 12.6 19.0





#75
Fluoranthene
Concen: 5.366 ng
RT: 12.463 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128963.D
Acq: 23 Jun 2022 20:37

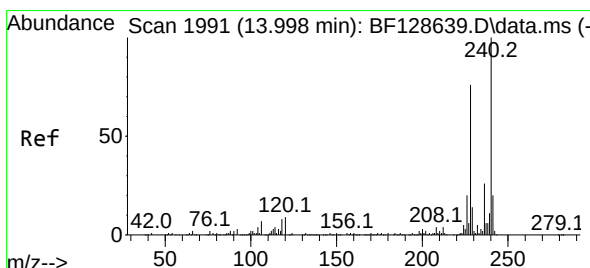
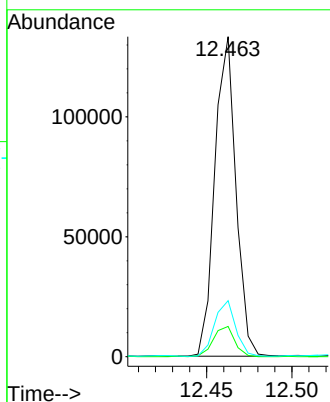
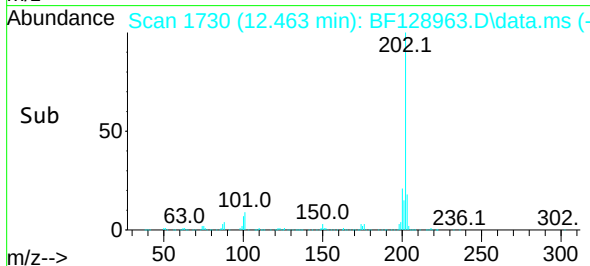
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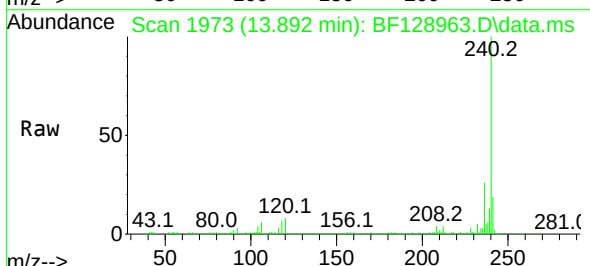
Tgt Ion:202 Resp: 11492
Ion Ratio Lower Upper
202 100
101 9.5 0.0 31.4
203 17.5 0.0 38.0

Manual Integrations
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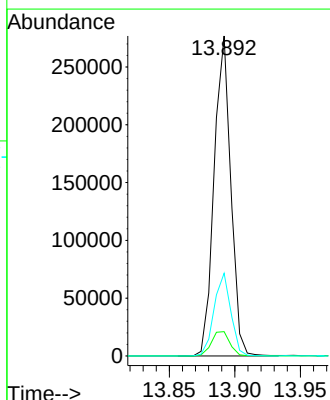
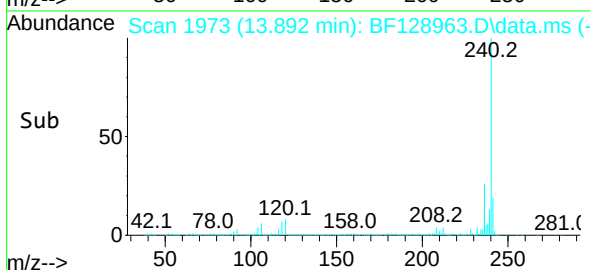
Reviewed By :Christian Giraldo 06/24/2022
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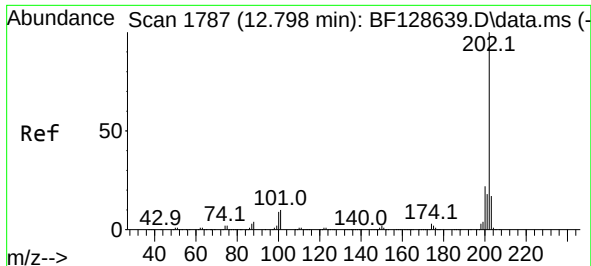


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.892 min Scan# 1973
Delta R.T. -0.006 min
Lab File: BF128963.D
Acq: 23 Jun 2022 20:37



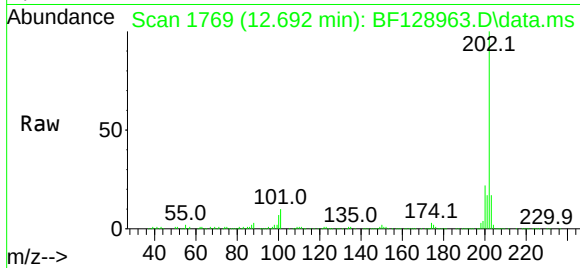
Tgt Ion:240 Resp: 244919
Ion Ratio Lower Upper
240 100
120 7.6 8.9 13.3#
236 25.9 20.8 31.2





#78
Pyrene
Concen: 5.814 ng
RT: 12.692 min Scan# 1769
Delta R.T. -0.006 min
Lab File: BF128963.D
Acq: 23 Jun 2022 20:37

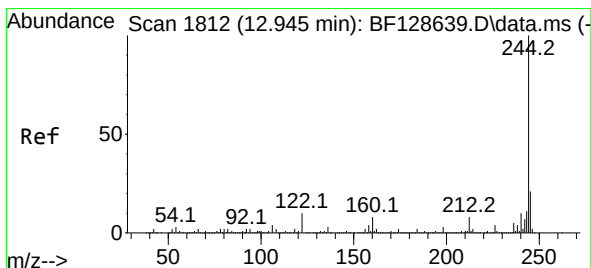
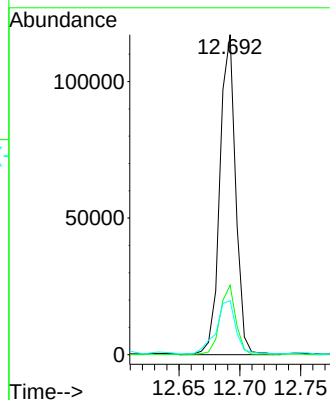
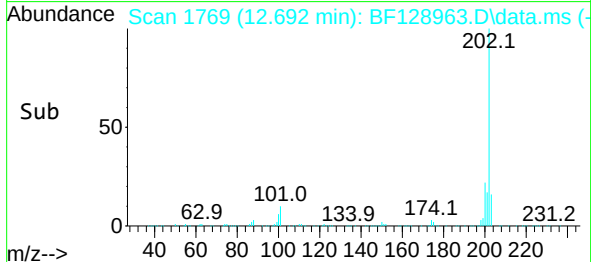
Instrument :
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QA-QC-COMP-XRDS008-22



Tgt Ion:202 Resp: 105938
Ion Ratio Lower Upper
202 100
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203 16.9 14.6 21.8

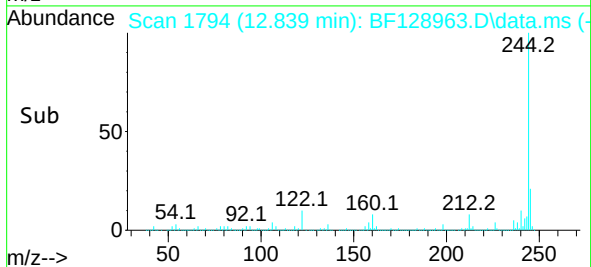
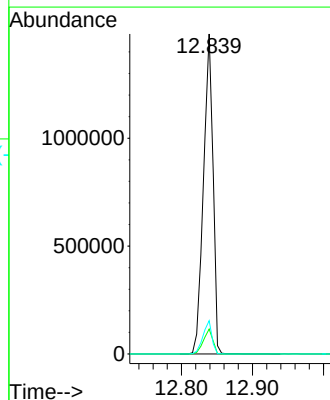
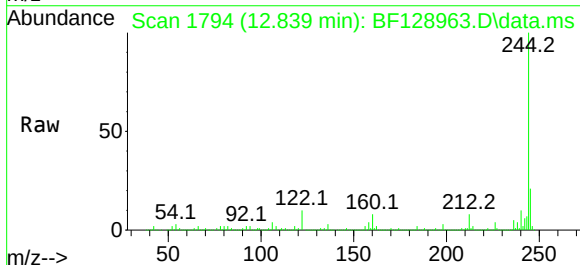
Manual Integrations
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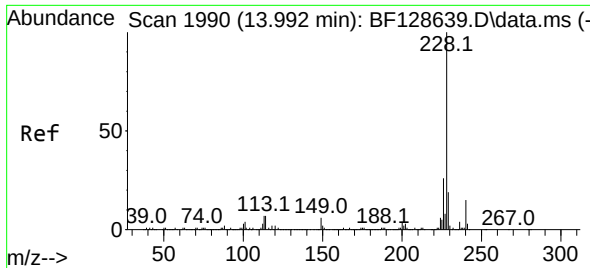
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#79
Terphenyl-d14
Concen: 98.500 ng
RT: 12.839 min Scan# 1794
Delta R.T. -0.000 min
Lab File: BF128963.D
Acq: 23 Jun 2022 20:37

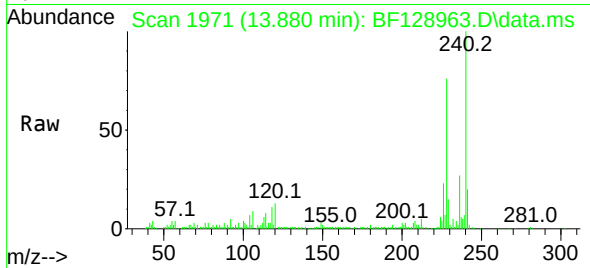
Tgt Ion:244 Resp: 1388357
Ion Ratio Lower Upper
244 100
212 7.8 6.1 9.1
122 10.4 8.8 13.2





#81
Benzo(a)anthracene
Concen: 2.641 ng
RT: 13.880 min Scan# 1971
Delta R.T. -0.006 min
Lab File: BF128963.D
Acq: 23 Jun 2022 20:37

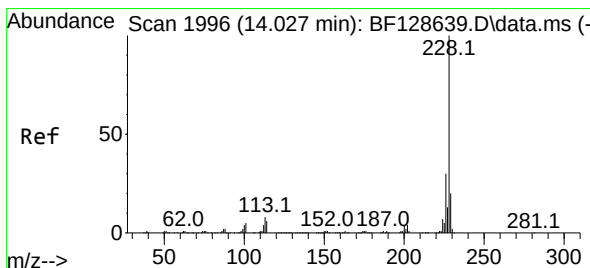
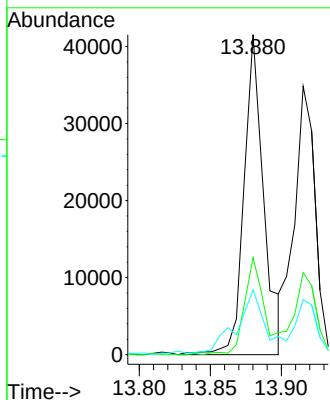
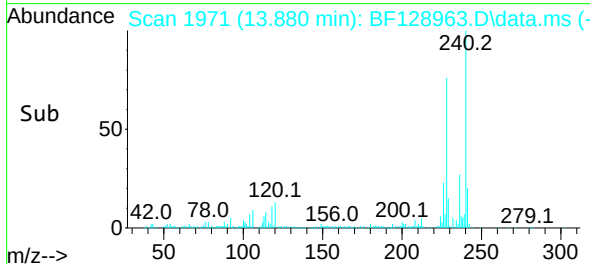
Instrument :
BNA_F
ClientSampleId :
QA-QC-COMP-XRDS008-22



Tgt Ion:228 Resp: 40324
Ion Ratio Lower Upper
228 100
226 30.3 22.1 33.1
229 20.2 15.8 23.8

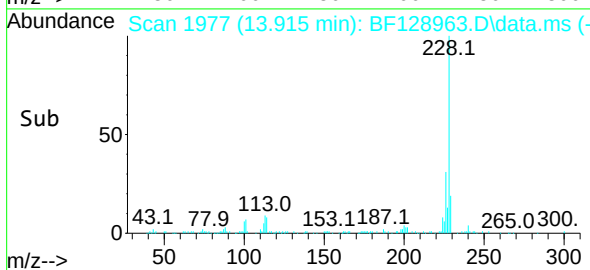
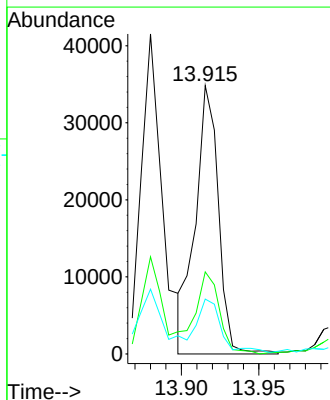
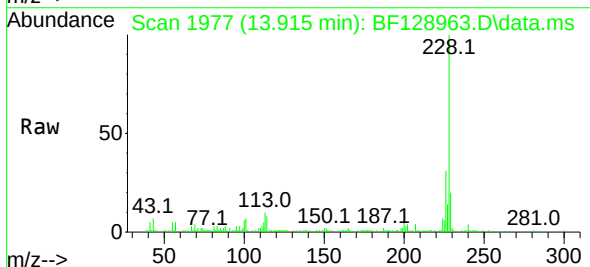
Manual Integrations
APPROVED

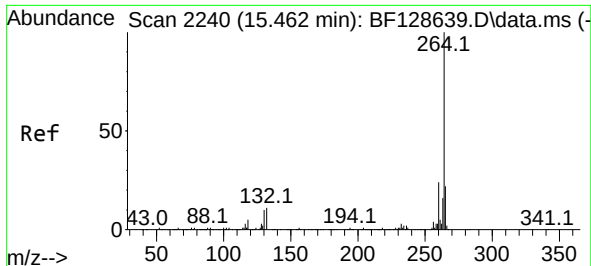
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#83
Chrysene
Concen: 2.477 ng
RT: 13.915 min Scan# 1977
Delta R.T. -0.012 min
Lab File: BF128963.D
Acq: 23 Jun 2022 20:37

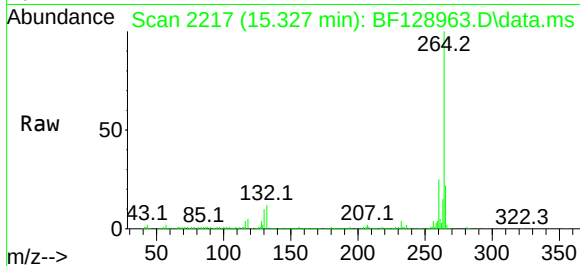
Tgt Ion:228 Resp: 36054
Ion Ratio Lower Upper
228 100
226 30.6 24.3 36.5
229 20.4 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.327 min Scan# 2147
Delta R.T. -0.000 min
Lab File: BF128963.D
Acq: 23 Jun 2022 20:37

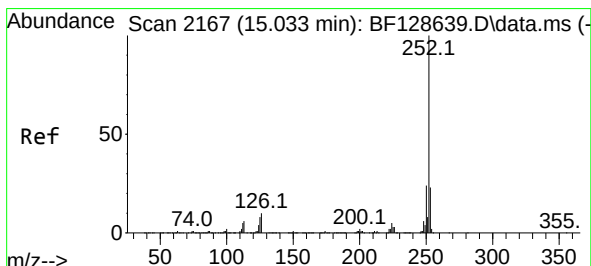
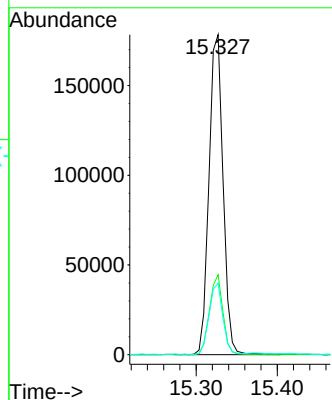
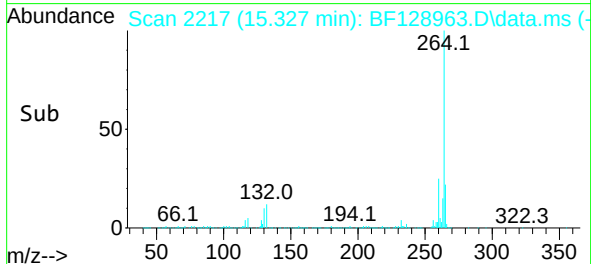
Instrument :
BNA_F
ClientSampleId :
QA-QC-COMP-XRDS008-22



Tgt Ion:264 Resp: 21457
Ion Ratio Lower Upper
264 100
260 25.0 18.4 27.6
265 22.4 17.2 25.8

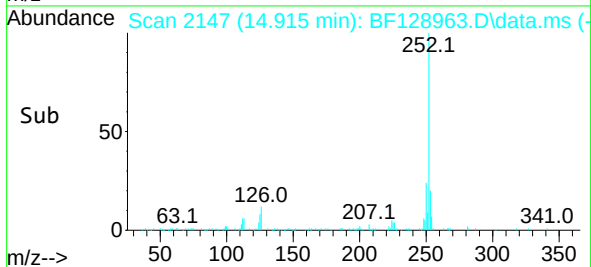
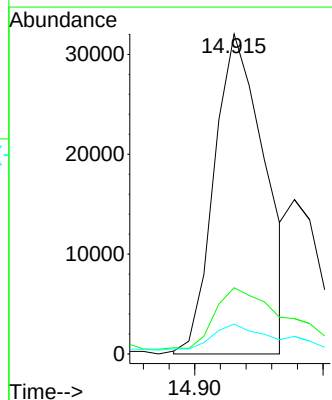
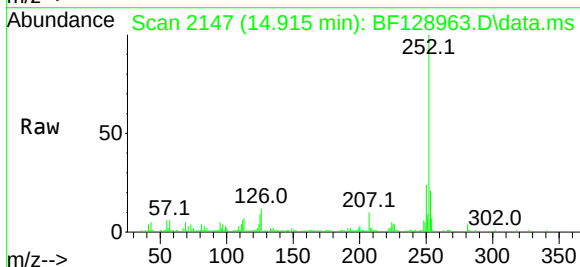
Manual Integrations
APPROVED

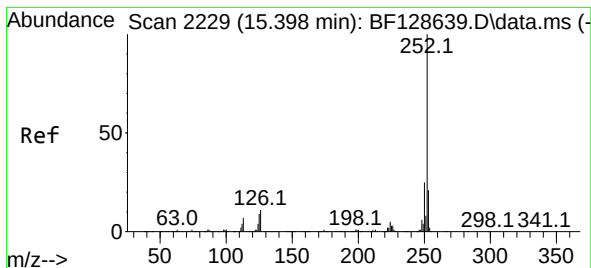
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#88
Benzo(b)fluoranthene
Concen: 3.199 ng m
RT: 14.915 min Scan# 2147
Delta R.T. -0.006 min
Lab File: BF128963.D
Acq: 23 Jun 2022 20:37

Tgt Ion:252 Resp: 43857
Ion Ratio Lower Upper
252 100
253 20.7 17.7 26.5
125 9.4 8.0 12.0





#90

Benzo(a)pyrene

Concen: 2.740 ng

RT: 15.268 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF128963.D

Acq: 23 Jun 2022 20:37

Instrument :

BNA_F

ClientSampleId :

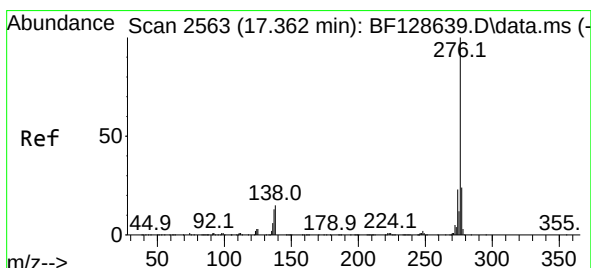
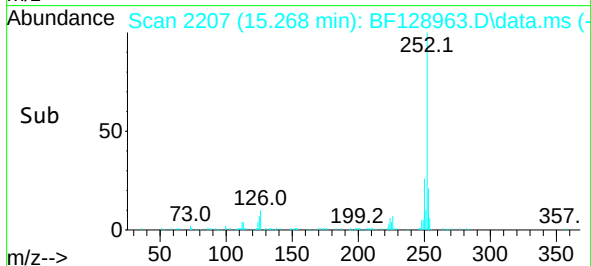
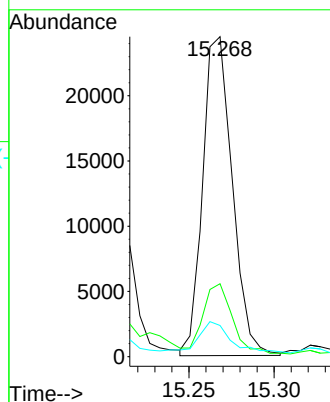
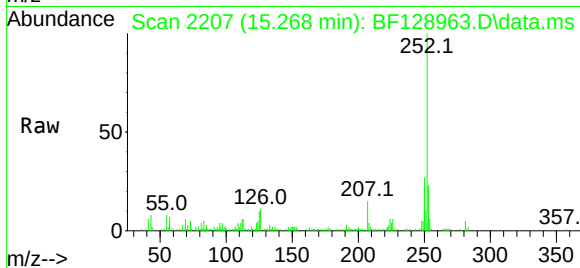
QA-QC-COMP-XRDS008-22

Tgt Ion:	252	Resp:	29528
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.0	25.6
125	9.8	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#92

Benzo(g,h,i)perylene

Concen: 2.136 ng

RT: 17.156 min Scan# 2528

Delta R.T. -0.012 min

Lab File: BF128963.D

Acq: 23 Jun 2022 20:37

Tgt Ion:	276	Resp:	22710
Ion Ratio	Lower	Upper	
276	100		
277	20.6	19.1	28.7
138	19.9	18.0	27.0

