

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082322\
 Data File : BF129964.D
 Acq On : 23 Aug 2022 21:28
 Operator : CG\JU
 Sample : N4295-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 XRDS-RECYCLED-SAND-SP-A-COMP

Quant Time: Aug 24 02:00:36 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 23 04:41:40 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 08/24/2022
 Supervised By :Jagrut Upadhyay 08/24/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.775	152	147111	20.000	ng	0.00
21) Naphthalene-d8	8.057	136	580473	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	294074	20.000	ng	0.00
64) Phenanthrene-d10	11.298	188	443234	20.000	ng	0.00
76) Chrysene-d12	13.951	240	241487	20.000	ng	0.00
86) Perylene-d12	15.403	264	244104	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	942541	106.081	ng	0.01
7) Phenol-d6	6.439	99	1196552	107.539	ng	0.00
23) Nitrobenzene-d5	7.345	82	786285	72.512	ng	0.00
42) 2,4,6-Tribromophenol	10.610	330	274617	93.044	ng	0.00
45) 2-Fluorobiphenyl	9.133	172	1417339	73.201	ng	0.00
79) Terphenyl-d14	12.886	244	1088651	75.012	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.321	178	331963	13.410	ng	99
72) Anthracene	11.380	178	63263	2.570	ng	98
75) Fluoranthene	12.515	202	455221	17.971	ng	98
78) Pyrene	12.745	202	427691	20.381	ng	99
81) Benzo(a)anthracene	13.939	228	168771	10.160	ng	98
83) Chrysene	13.974	228	165580m	10.648	ng	
87) Indeno(1,2,3-cd)pyrene	16.856	276	104039	6.208	ng	94
88) Benzo(b)fluoranthene	14.980	252	227547m	13.613	ng	
89) Benzo(k)fluoranthene	15.009	252	52118m	3.251	ng	
90) Benzo(a)pyrene	15.345	252	157347	11.954	ng	99
91) Dibenzo(a,h)anthracene	16.850	278	27901m	2.018	ng	
92) Benzo(g,h,i)perylene	17.297	276	96277	6.979	ng	99

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

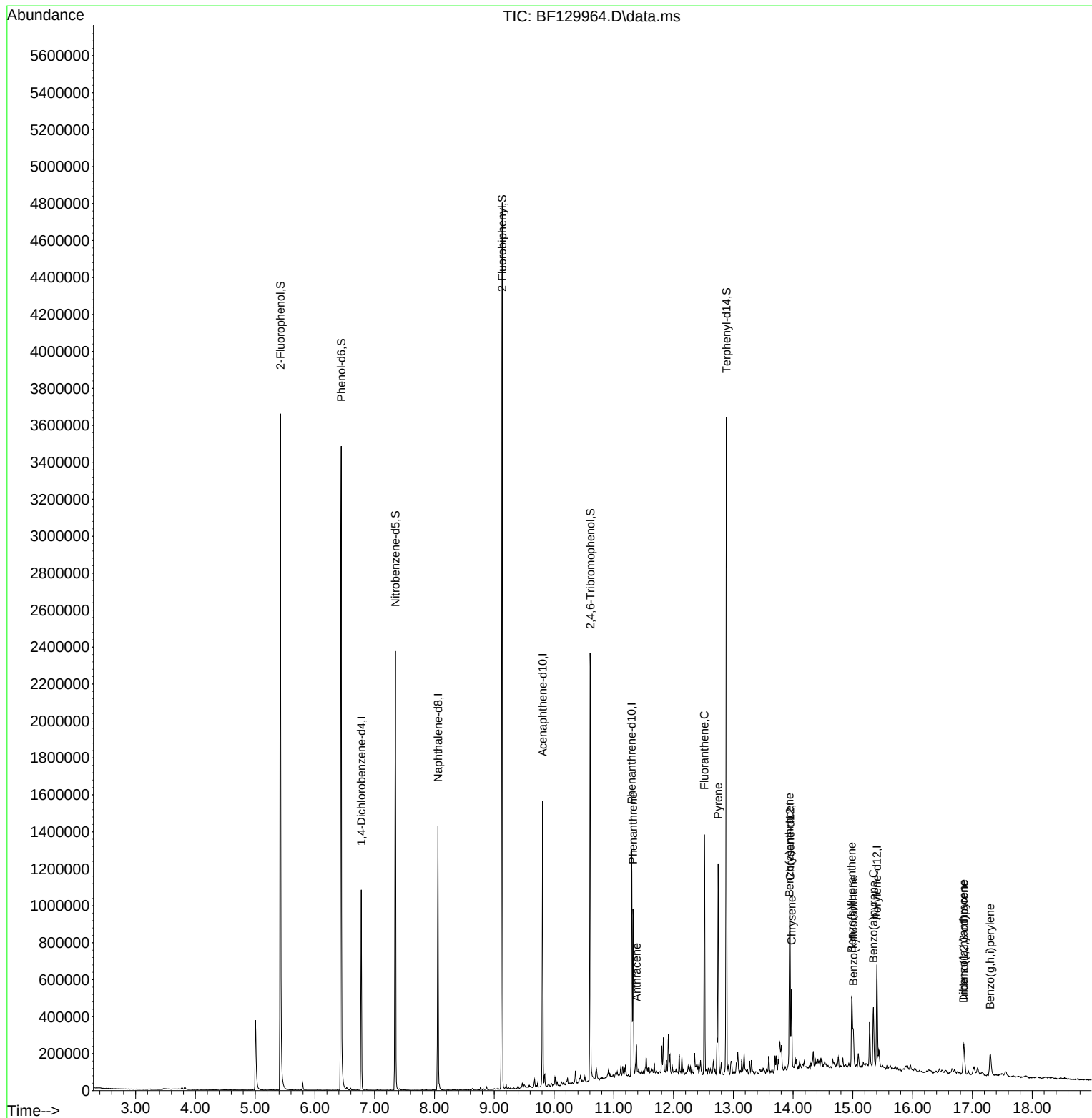
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Data File : BF129964.D
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ALS Vial : 20 Sample Multiplier: 1

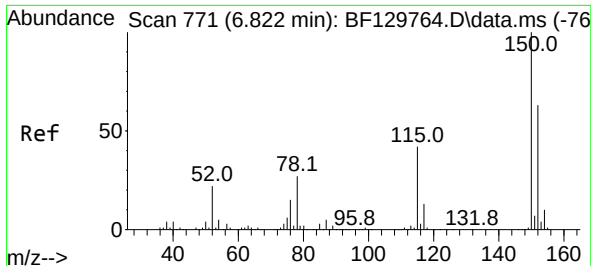
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
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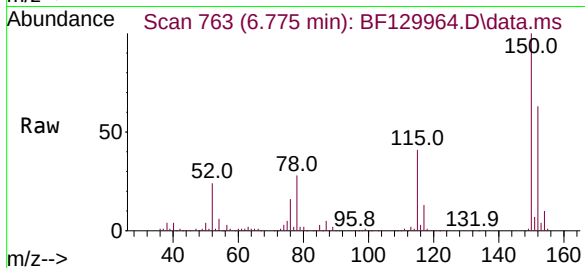
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.775 min Scan# 70
Delta R.T. -0.000 min
Lab File: BF129964.D
Acq: 23 Aug 2022 21:28

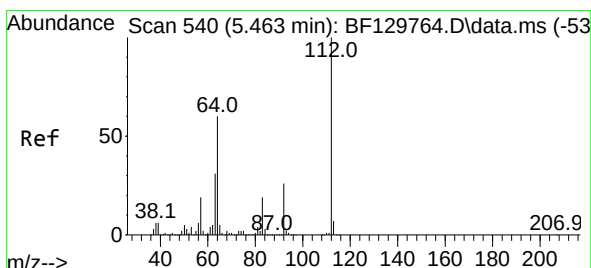
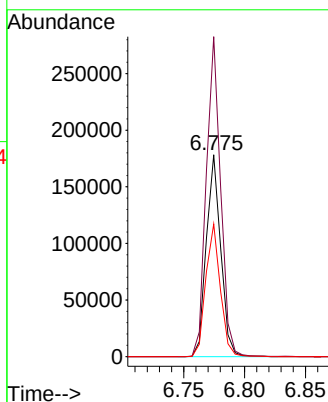
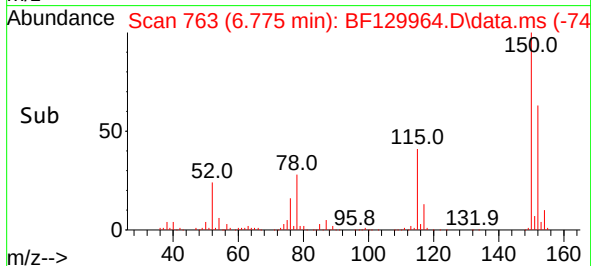
Instrument :
BNA_F
ClientSampleId :
XRDS-RECYCLED-SAND-SP-A-COMP



Tgt Ion:152 Resp: 147111
Ion Ratio Lower Upper
152 100
150 158.5 126.9 190.3
115 65.7 53.4 80.0

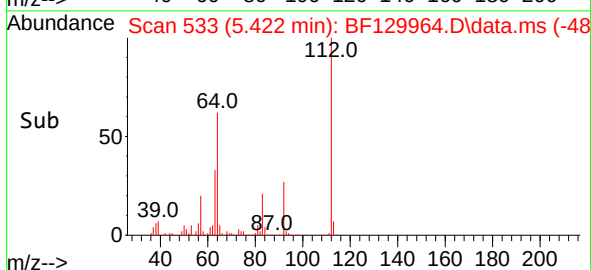
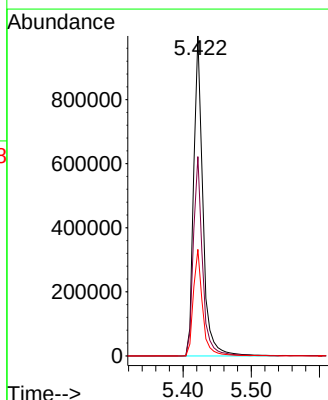
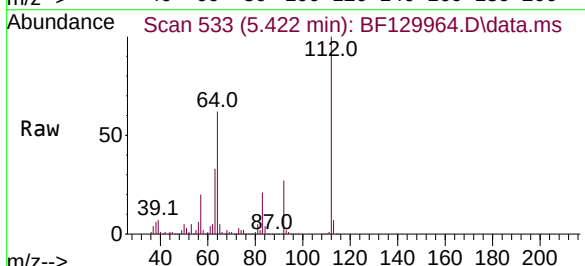
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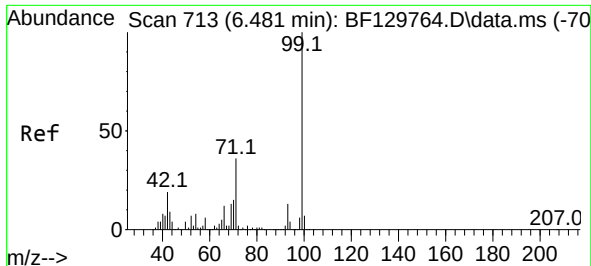
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#5
2-Fluorophenol
Concen: 106.081 ng
RT: 5.422 min Scan# 533
Delta R.T. 0.012 min
Lab File: BF129964.D
Acq: 23 Aug 2022 21:28

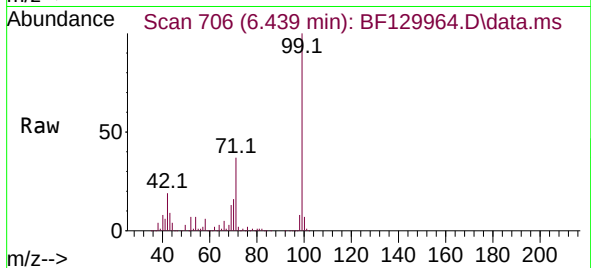
Tgt Ion:112 Resp: 942541
Ion Ratio Lower Upper
112 100
64 62.3 47.6 71.4
63 33.3 24.6 37.0





#7
Phenol-d6
Concen: 107.539 ng
RT: 6.439 min Scan# 70
Delta R.T. 0.006 min
Lab File: BF129964.D
Acq: 23 Aug 2022 21:28

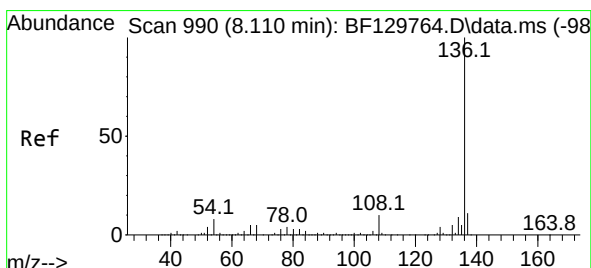
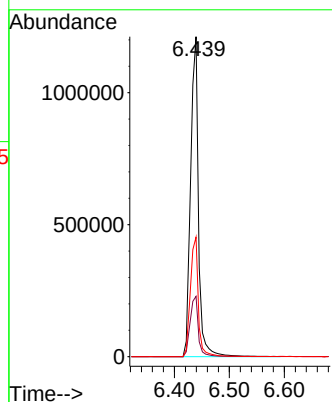
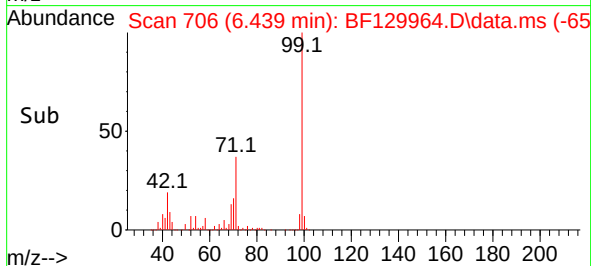
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XRDS-RECYCLED-SAND-SP-A-COMP



Tgt Ion: 99 Resp: 1196552
Ion Ratio Lower Upper
99 100
42 18.8 15.0 22.4
71 37.4 28.8 43.2

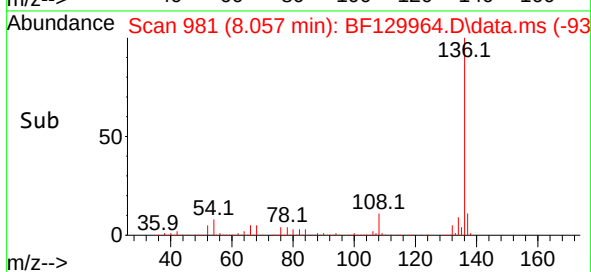
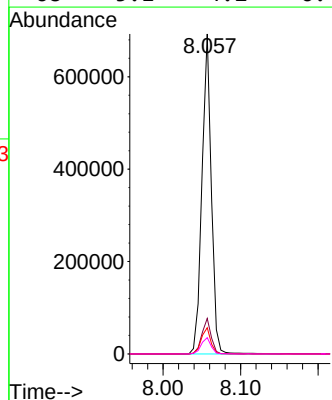
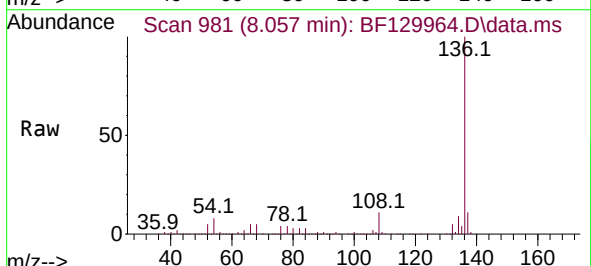
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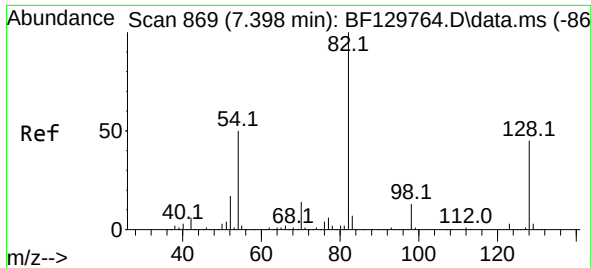
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 981
Delta R.T. -0.000 min
Lab File: BF129964.D
Acq: 23 Aug 2022 21:28

Tgt Ion:136 Resp: 580473
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 8.2 6.2 9.2
68 5.1 4.2 6.4





#23

Nitrobenzene-d5

Concen: 72.512 ng

RT: 7.345 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF129964.D

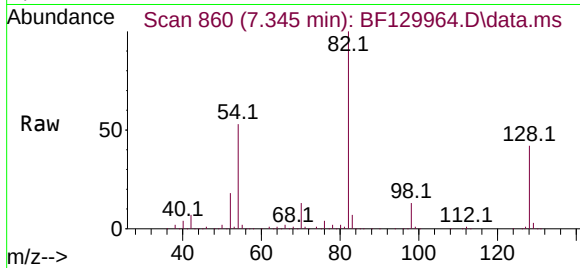
Acq: 23 Aug 2022 21:28

Instrument :

BNA_F

ClientSampleId :

XRDS-RECYCLED-SAND-SP-A-COMP



Tgt Ion: 82 Resp: 786285

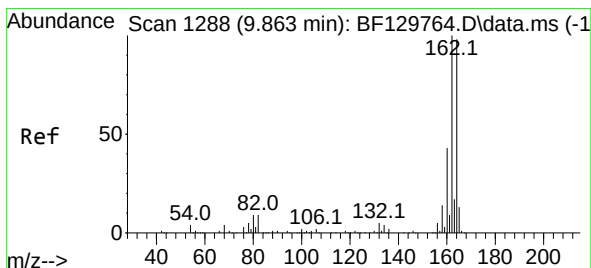
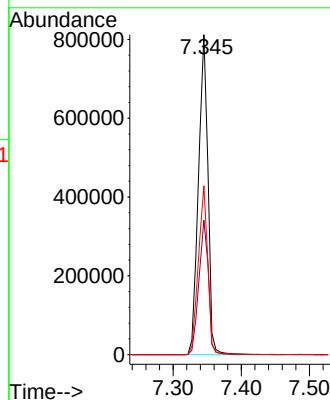
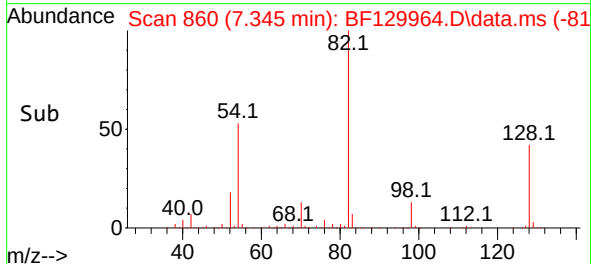
Ion	Ratio	Lower	Upper
82	100		
128	42.0	36.1	54.1
54	52.8	40.0	60.0

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.810 min Scan# 1279

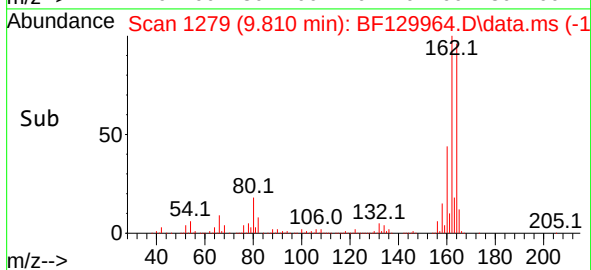
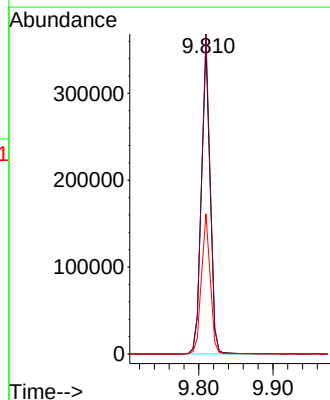
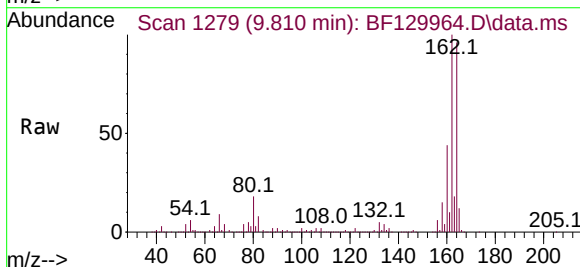
Delta R.T. -0.006 min

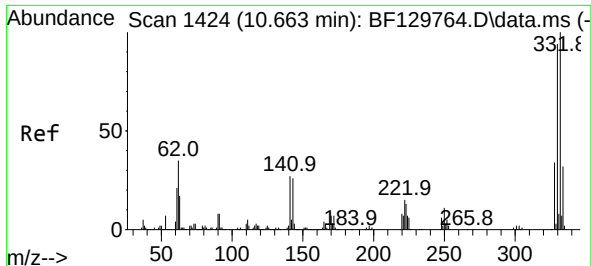
Lab File: BF129964.D

Acq: 23 Aug 2022 21:28

Tgt Ion:164 Resp: 294074

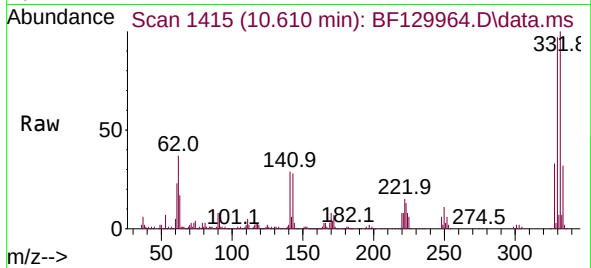
Ion	Ratio	Lower	Upper
164	100		
162	104.1	82.0	123.0
160	45.6	35.4	53.0





#42
2,4,6-Tribromophenol
Concen: 93.044 ng
RT: 10.610 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BF129964.D
Acq: 23 Aug 2022 21:28

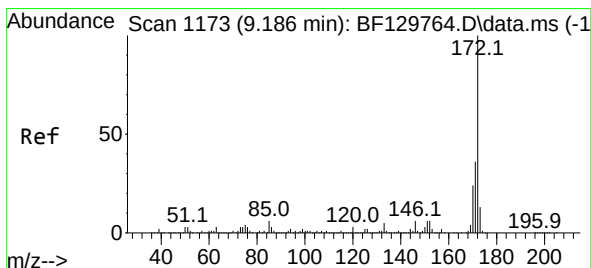
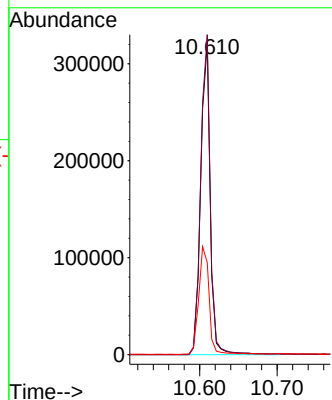
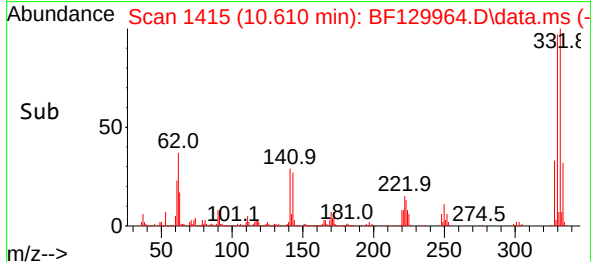
Instrument :
BNA_F
ClientSampleId :
XRDS-RECYCLED-SAND-SP-A-COMP



Tgt Ion: 330 Resp: 274617
Ion Ratio Lower Upper
330 100
332 103.5 82.6 124.0
141 37.6 27.6 41.4

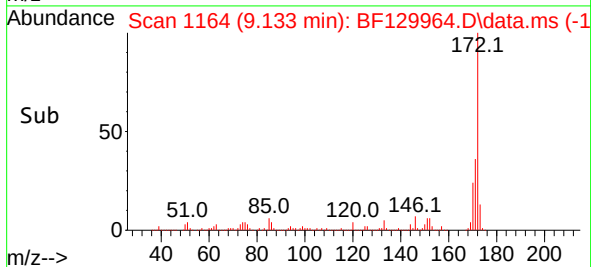
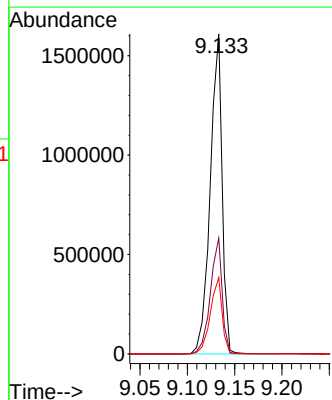
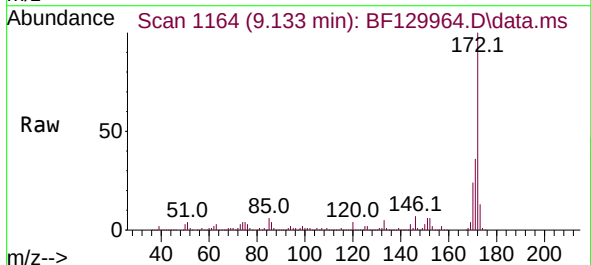
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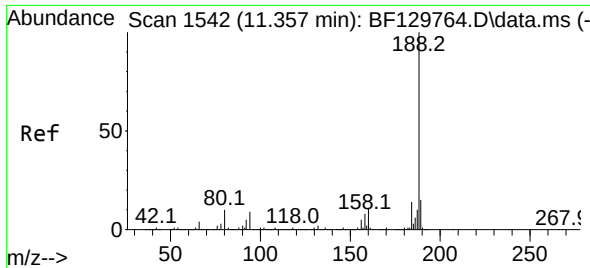
Reviewed By : Christian Giraldo 08/24/2022
Supervised By : Jagrut Upadhyay 08/24/2022



#45
2-Fluorobiphenyl
Concen: 73.201 ng
RT: 9.133 min Scan# 1164
Delta R.T. -0.000 min
Lab File: BF129964.D
Acq: 23 Aug 2022 21:28

Tgt Ion: 172 Resp: 1417339
Ion Ratio Lower Upper
172 100
171 36.2 28.4 42.6
170 23.8 19.1 28.7





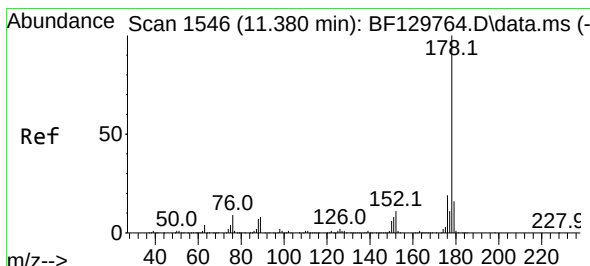
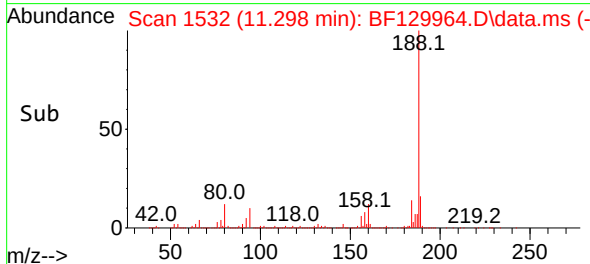
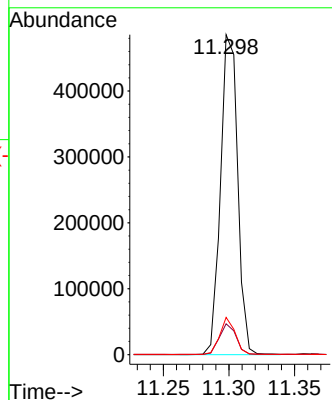
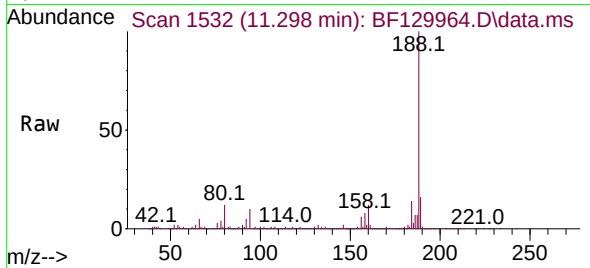
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129964.D
Acq: 23 Aug 2022 21:28

Instrument :
BNA_F
ClientSampleId :
XRDS-RECYCLED-SAND-SP-A-COMP

Tgt Ion:188 Resp: 443234
Ion Ratio Lower Upper
188 100
94 9.7 7.4 11.2
80 11.6 7.9 11.9

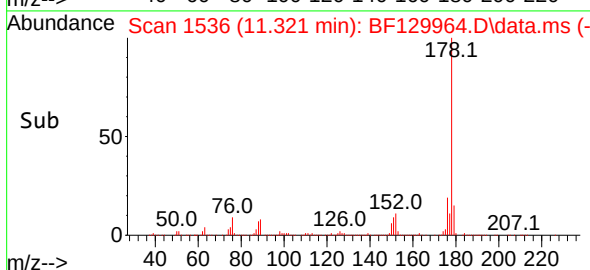
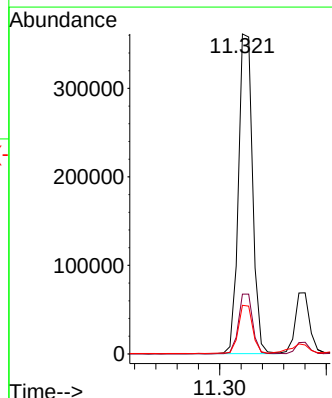
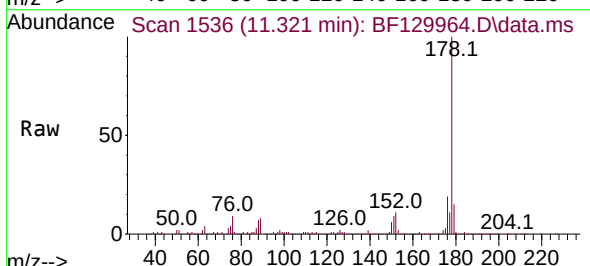
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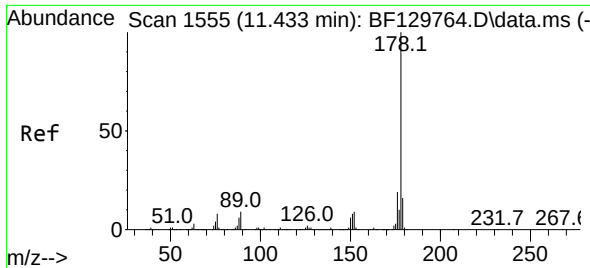
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#71
Phenanthrene
Concen: 13.410 ng
RT: 11.321 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF129964.D
Acq: 23 Aug 2022 21:28

Tgt Ion:178 Resp: 331963
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 15.2 12.5 18.7





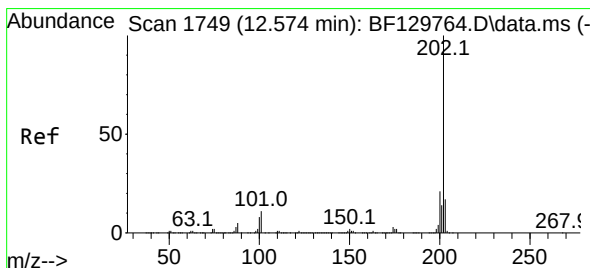
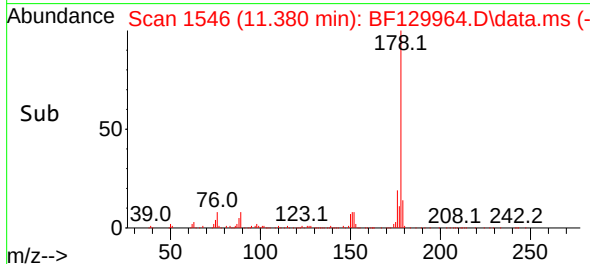
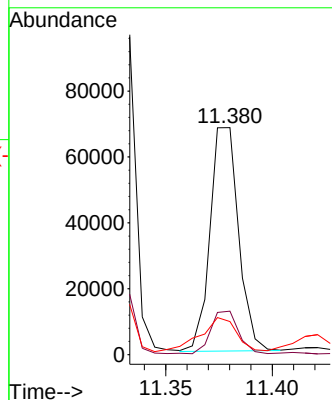
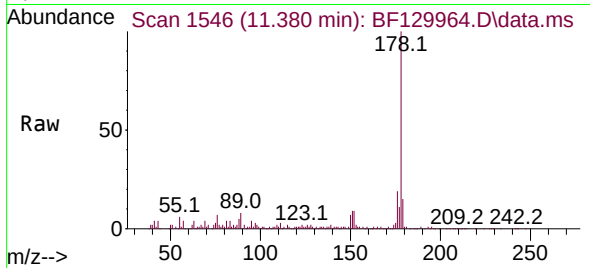
#72
 Anthracene
 Concen: 2.570 ng
 RT: 11.380 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF129964.D
 Acq: 23 Aug 2022 21:28

Instrument :
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 ClientSampleId :
 XRDS-RECYCLED-SAND-SP-A-COMP

Tgt Ion:178 Resp: 63263
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.1 22.7
 179 14.5 12.6 18.8

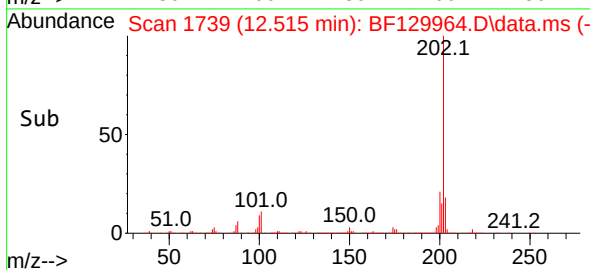
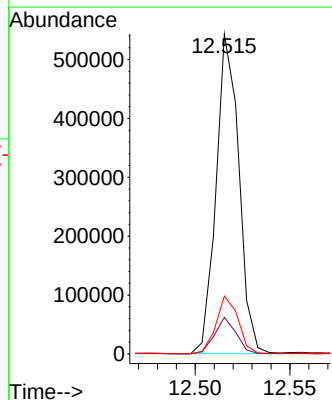
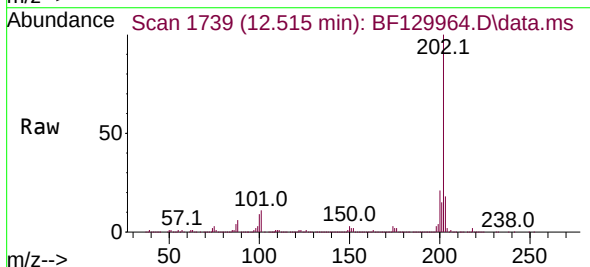
Manual Integrations
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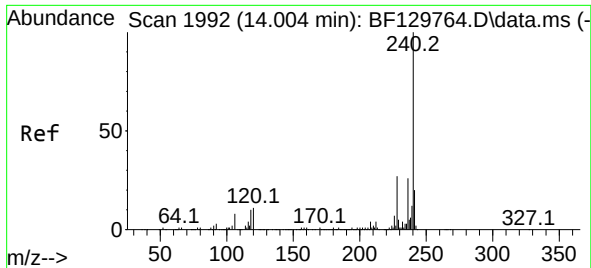
Reviewed By :Christian Giraldo 08/24/2022
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#75
 Fluoranthene
 Concen: 17.971 ng
 RT: 12.515 min Scan# 1739
 Delta R.T. -0.006 min
 Lab File: BF129964.D
 Acq: 23 Aug 2022 21:28

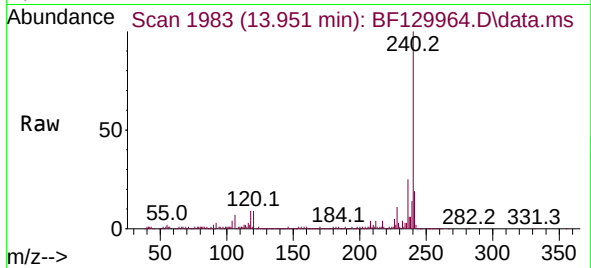
Tgt Ion:202 Resp: 455221
 Ion Ratio Lower Upper
 202 100
 101 11.4 0.0 30.7
 203 18.1 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 1992
Delta R.T. -0.000 min
Lab File: BF129964.D
Acq: 23 Aug 2022 21:28

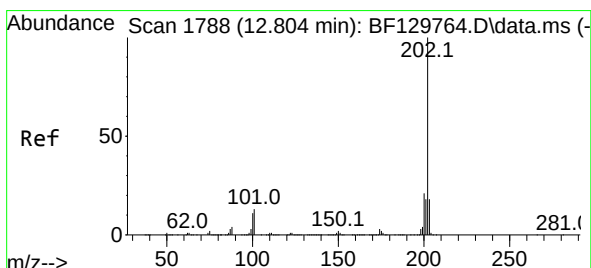
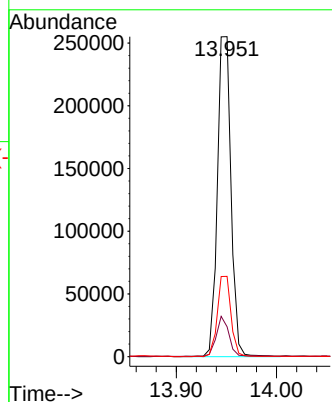
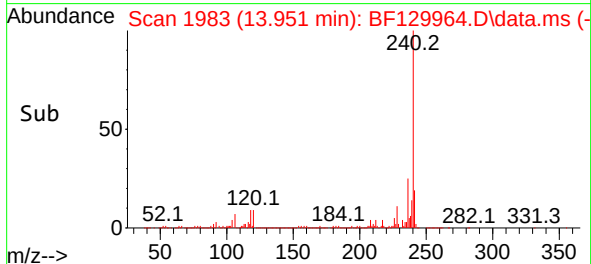
Instrument :
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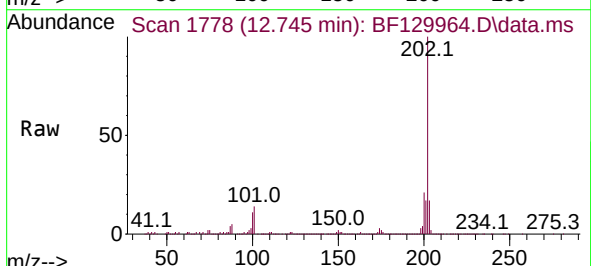
Tgt Ion:240 Resp: 241487
Ion Ratio Lower Upper
240 100
120 9.4 9.2 13.8
236 25.1 20.7 31.1

Manual Integrations
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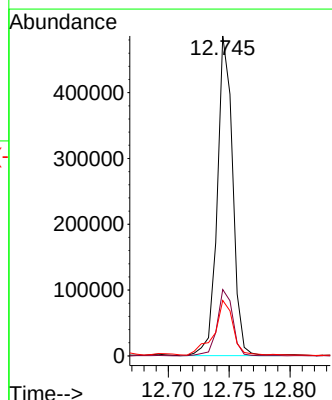
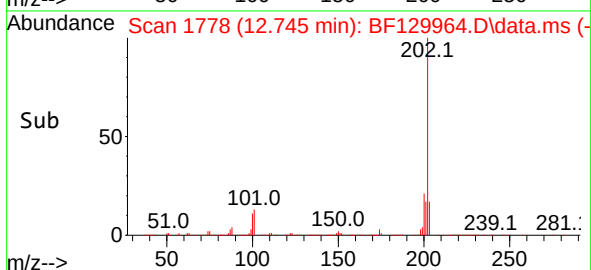
Reviewed By :Christian Giraldo 08/24/2022
Supervised By :Jagrut Upadhyay 08/24/2022

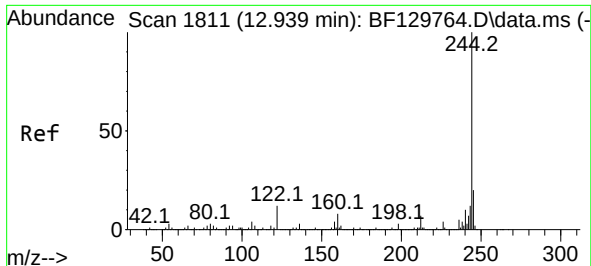


#78
Pyrene
Concen: 20.381 ng
RT: 12.745 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BF129964.D
Acq: 23 Aug 2022 21:28



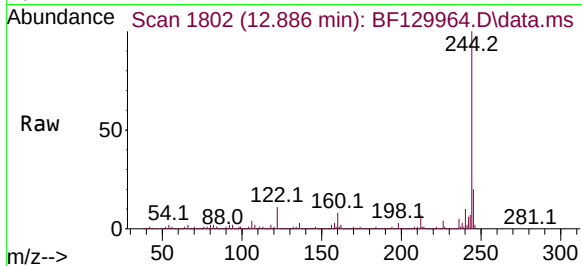
Tgt Ion:202 Resp: 427691
Ion Ratio Lower Upper
202 100
200 20.7 17.0 25.6
203 17.3 14.1 21.1





#79
Terphenyl-d14
Concen: 75.012 ng
RT: 12.886 min Scan# 1811
Delta R.T. -0.000 min
Lab File: BF129964.D
Acq: 23 Aug 2022 21:28

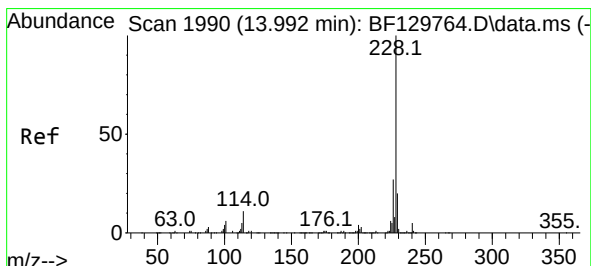
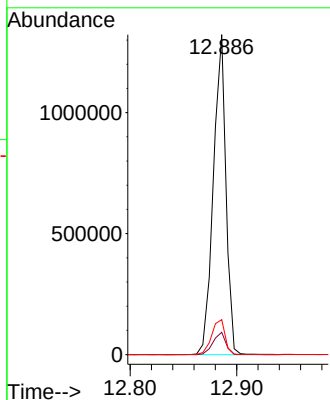
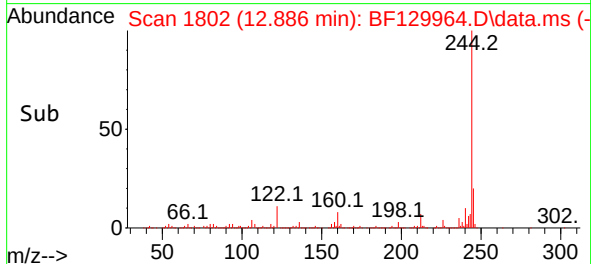
Instrument : BNA_F
ClientSampleId :
XRDS-RECYCLED-SAND-SP-A-COMP



Tgt Ion:244 Resp: 108865
Ion Ratio Lower Upper
244 100
212 7.0 5.9 8.9
122 10.9 9.9 14.9

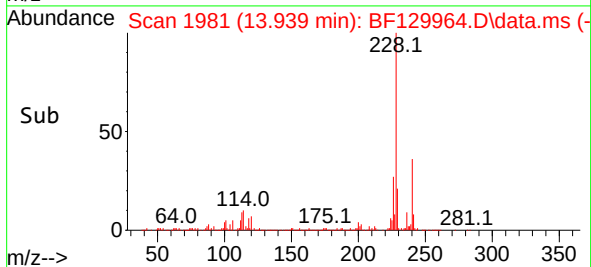
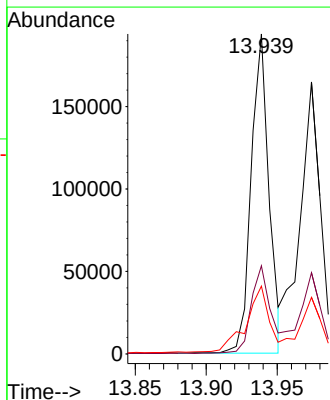
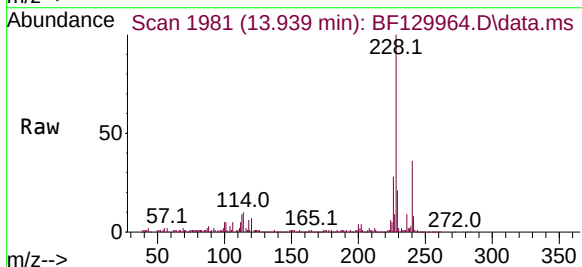
Manual Integrations
APPROVED

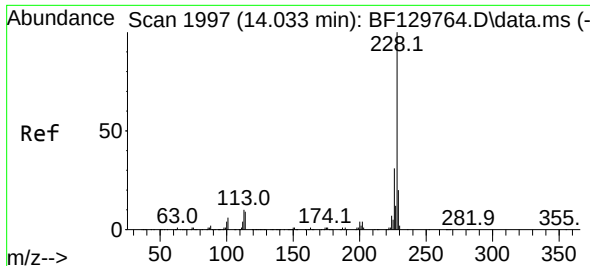
Reviewed By :Christian Giraldo 08/24/2022
Supervised By :Jagrut Upadhyay 08/24/2022



#81
Benzo(a)anthracene
Concen: 10.160 ng
RT: 13.939 min Scan# 1981
Delta R.T. -0.000 min
Lab File: BF129964.D
Acq: 23 Aug 2022 21:28

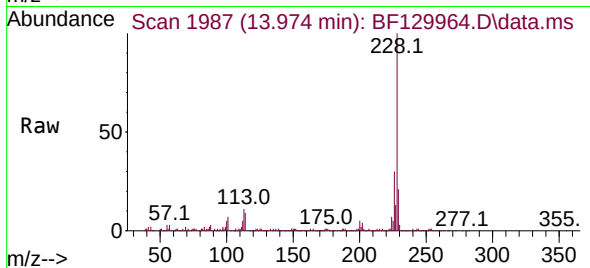
Tgt Ion:228 Resp: 168771
Ion Ratio Lower Upper
228 100
226 27.5 21.4 32.0
229 21.2 16.1 24.1





#83
Chrysene
Concen: 10.648 ng m
RT: 13.974 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF129964.D
Acq: 23 Aug 2022 21:28

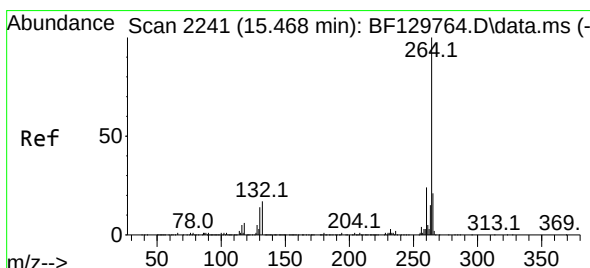
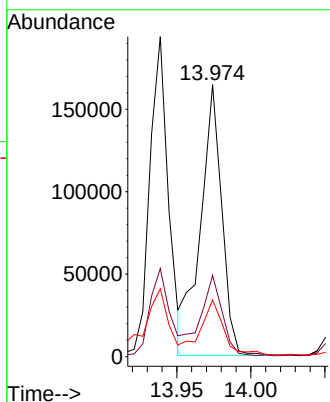
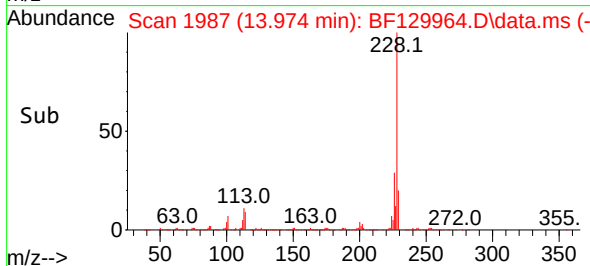
Instrument :
BNA_F
ClientSampleId :
XRDS-RECYCLED-SAND-SP-A-COMP



Tgt Ion:228 Resp: 165580
Ion Ratio Lower Upper
228 100
226 29.8 24.4 36.6
229 20.8 15.9 23.9

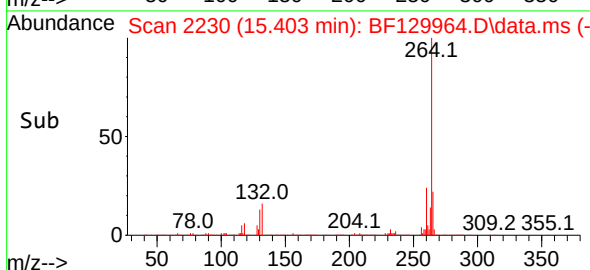
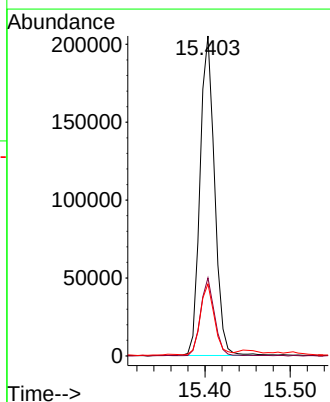
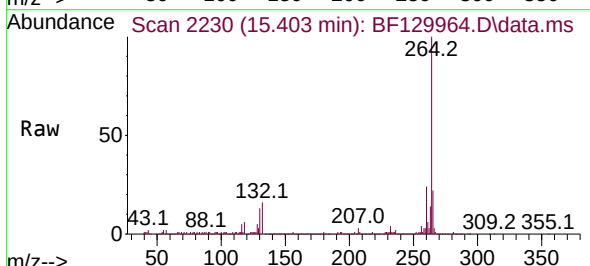
Manual Integrations
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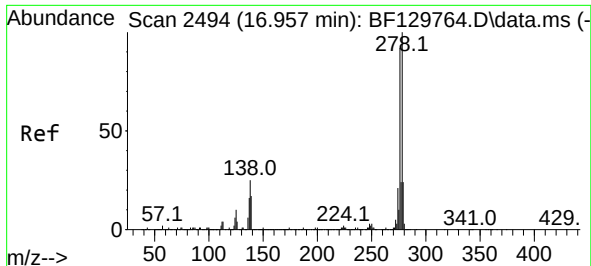
Reviewed By :Christian Giraldo 08/24/2022
Supervised By :Jagrut Upadhyay 08/24/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.403 min Scan# 2230
Delta R.T. 0.006 min
Lab File: BF129964.D
Acq: 23 Aug 2022 21:28

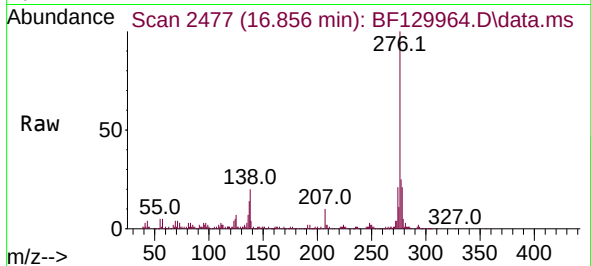
Tgt Ion:264 Resp: 244104
Ion Ratio Lower Upper
264 100
260 24.4 19.1 28.7
265 22.5 16.7 25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.208 ng
RT: 16.856 min Scan# 2494
Delta R.T. -0.000 min
Lab File: BF129964.D
Acq: 23 Aug 2022 21:28

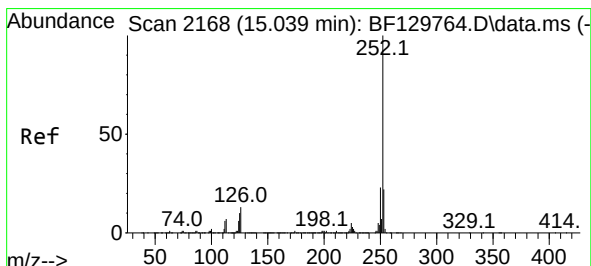
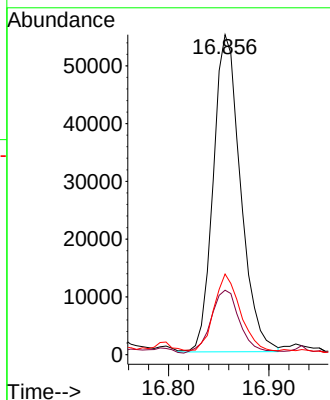
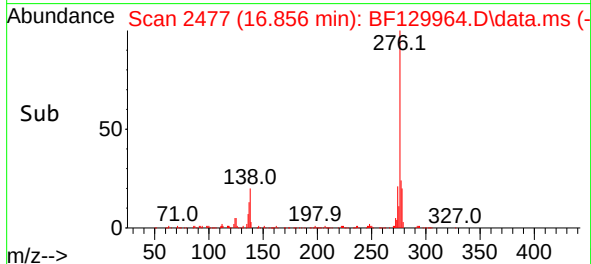
Instrument :
BNA_F
ClientSampleId :
XRDS-RECYCLED-SAND-SP-A-COMP



Tgt Ion:276 Resp: 104039
Ion Ratio Lower Upper
276 100
138 20.9 19.8 29.8
277 23.1 20.4 30.6

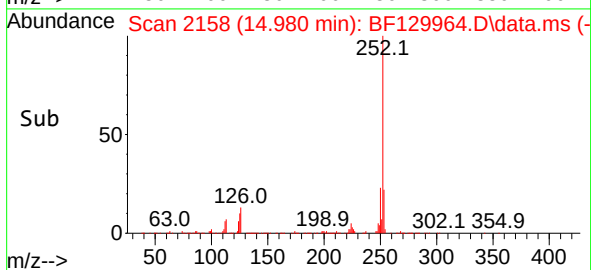
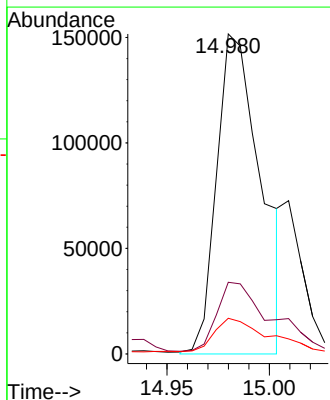
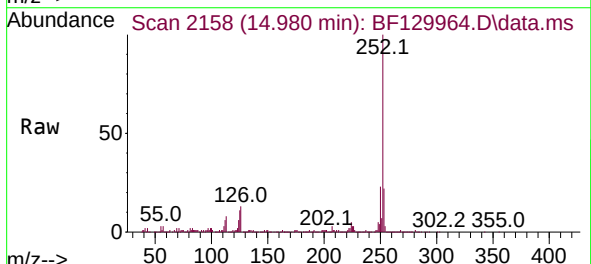
Manual Integrations
APPROVED

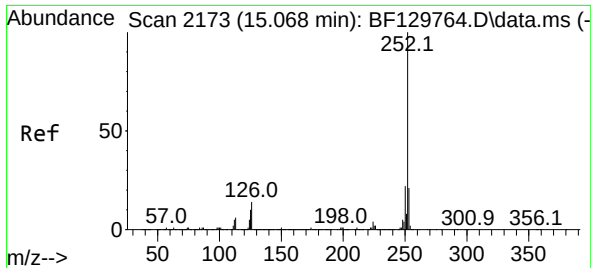
Reviewed By :Christian Giraldo 08/24/2022
Supervised By :Jagrut Upadhyay 08/24/2022



#88
Benzo(b)fluoranthene
Concen: 13.613 ng m
RT: 14.980 min Scan# 2158
Delta R.T. -0.000 min
Lab File: BF129964.D
Acq: 23 Aug 2022 21:28

Tgt Ion:252 Resp: 227547
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 11.1 8.3 12.5





#89

Benzo(k)fluoranthene

Concen: 3.251 ng m

RT: 15.009 min Scan# 2173

Delta R.T. -0.000 min

Lab File: BF129964.D

Acq: 23 Aug 2022 21:28

Instrument :

BNA_F

ClientSampleId :

XRDS-RECYCLED-SAND-SP-A-COMP

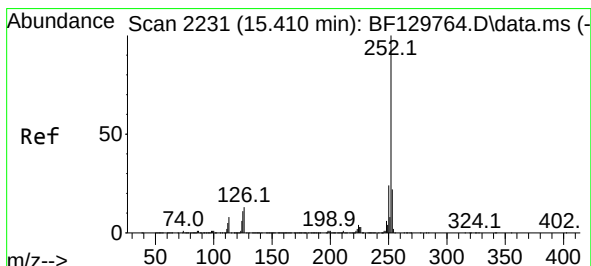
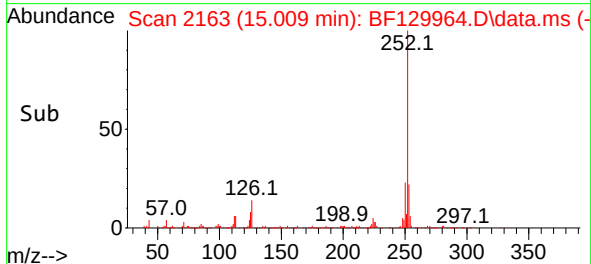
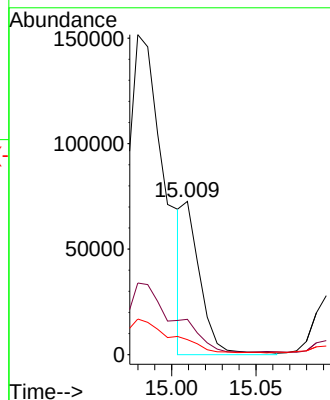
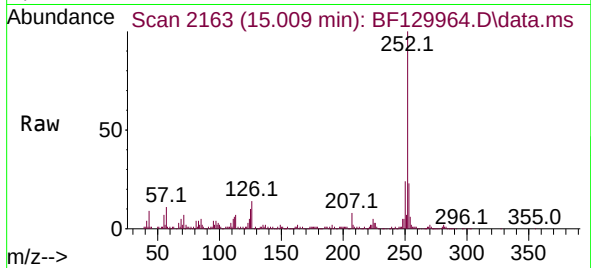
Tgt Ion:252	Resp:	52118
Ion Ratio	Lower	Upper
252	100	
253	23.0	17.1 25.7
125	9.8	8.3 12.5

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/24/2022



#90

Benzo(a)pyrene

Concen: 11.954 ng

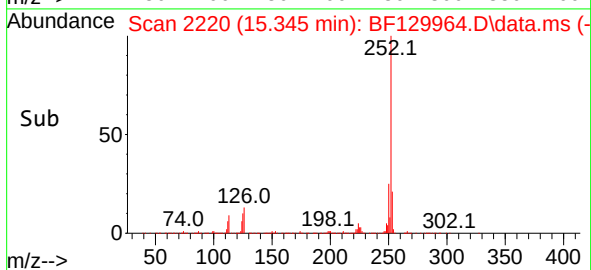
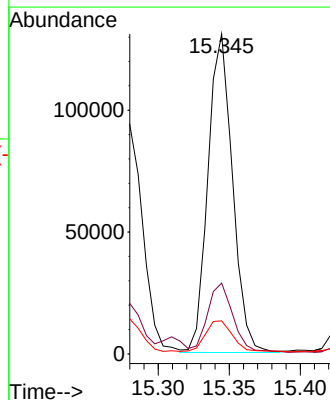
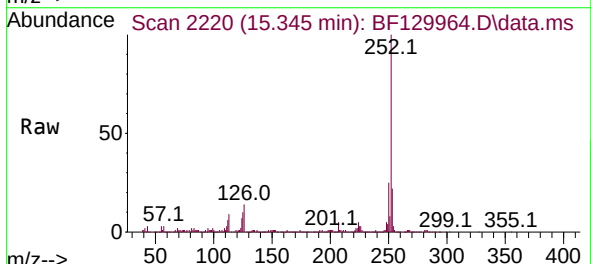
RT: 15.345 min Scan# 2220

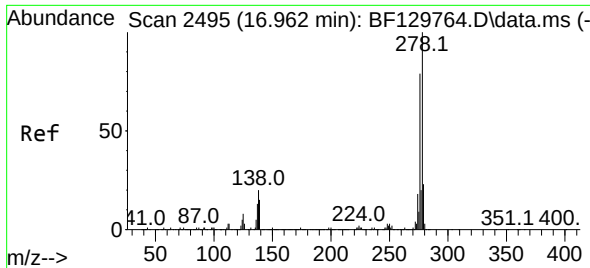
Delta R.T. 0.006 min

Lab File: BF129964.D

Acq: 23 Aug 2022 21:28

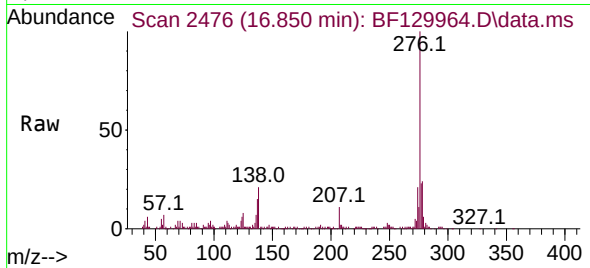
Tgt Ion:252	Resp:	157347
Ion Ratio	Lower	Upper
252	100	
253	22.1	17.2 25.8
125	10.3	8.8 13.2





#91
Dibenzo(a,h)anthracene
Concen: 2.018 ng m
RT: 16.850 min Scan# 2495
Delta R.T. -0.006 min
Lab File: BF129964.D
Acq: 23 Aug 2022 21:28

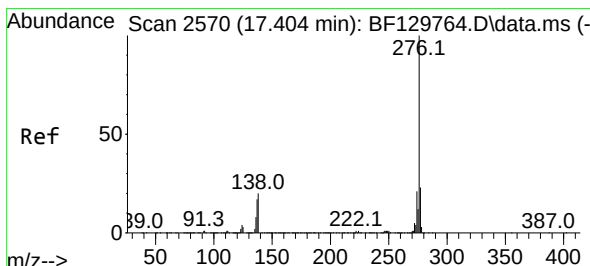
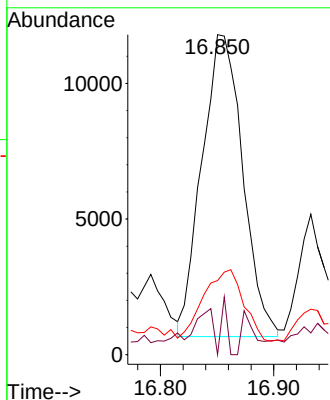
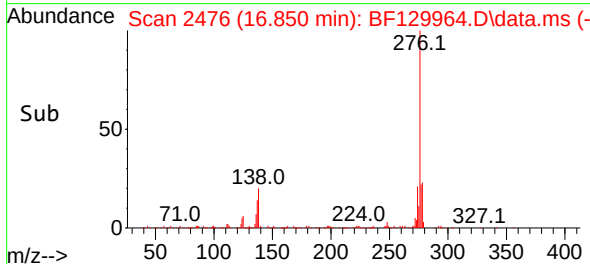
Instrument :
BNA_F
ClientSampleId :
XRDS-RECYCLED-SAND-SP-A-COMP



Tgt Ion: 278 Resp: 2790
Ion Ratio Lower Upper
278 100
139 0.0 12.2 18.4
279 23.1 18.7 28.1

Manual Integrations
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Reviewed By : Christian Giraldo 08/24/2022
Supervised By : Jagrut Upadhyay 08/24/2022



#92
Benzo(g,h,i)perylene
Concen: 6.979 ng
RT: 17.297 min Scan# 2552
Delta R.T. 0.006 min
Lab File: BF129964.D
Acq: 23 Aug 2022 21:28

Tgt Ion: 276 Resp: 96277
Ion Ratio Lower Upper
276 100
277 22.8 18.2 27.4
138 20.7 15.8 23.8

