

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122021\
 Data File : BF126287.D
 Acq On : 20 Dec 2021 19:49
 Operator : JU/CG
 Sample : M5147-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-210

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/21/2021
 Supervised By : Jagrut Upadhyay 12/21/2021

Quant Time: Dec 21 05:11:55 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 16 12:22:48 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	137123	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	485485	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	201740	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	308311	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	294894	20.000	ng	0.00
86) Perylene-d12	15.421	264	291184	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	963497	103.476	ng	0.00
7) Phenol-d6	6.445	99	1158752	98.008	ng	0.00
23) Nitrobenzene-d5	7.375	82	703427	78.472	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	178129	109.870	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	935952	81.369	ng	0.00
79) Terphenyl-d14	12.921	244	859717	50.672	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.451	94	33151	2.498	ng	93
71) Phenanthrene	11.357	178	103918	6.530	ng	97
72) Anthracene	11.410	178	39705	2.486	ng	99
75) Fluoranthene	12.545	202	295194	20.589	ng	89
78) Pyrene	12.774	202	295715	10.915	ng	98
81) Benzo(a)anthracene	13.963	228	128720	7.369	ng	94
83) Chrysene	13.998	228	159411	8.783	ng	97
87) Indeno(1,2,3-cd)pyrene	16.845	276	65503	3.373	ng	95
88) Benzo(b)fluoranthene	15.004	252	226530m	12.948	ng	
89) Benzo(k)fluoranthene	15.027	252	59131m	3.533	ng	
90) Benzo(a)pyrene	15.357	252	117662	8.092	ng	# 93
92) Benzo(g,h,i)perylene	17.274	276	61461	3.762	ng	# 90

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

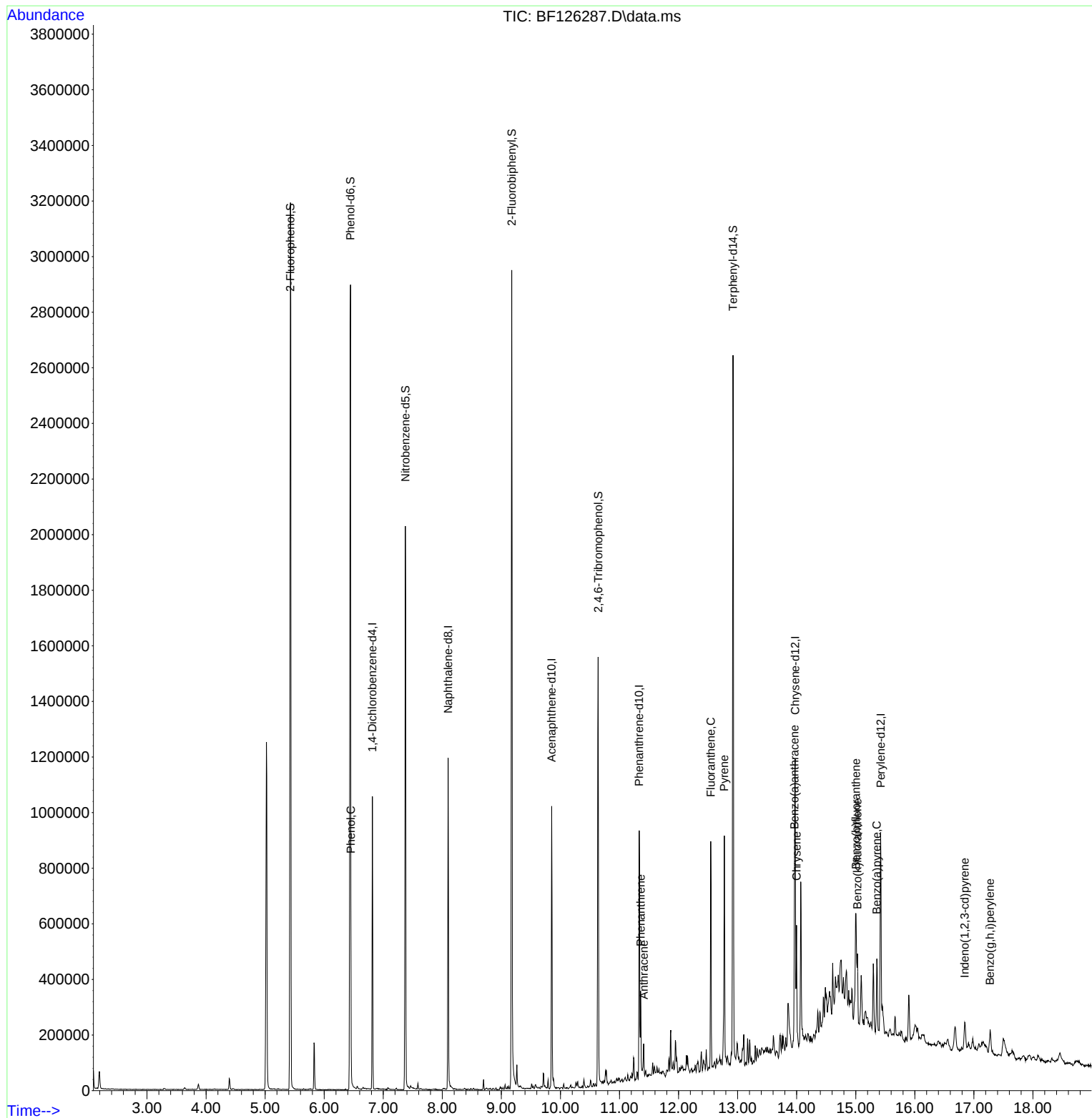
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122021\
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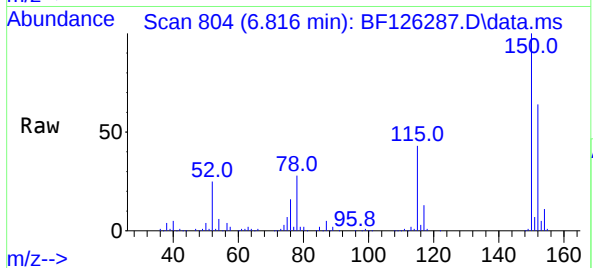
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Supervised By : Jagrut Upadhyay 12/21/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF126287.D
Acq: 20 Dec 2021 19:49

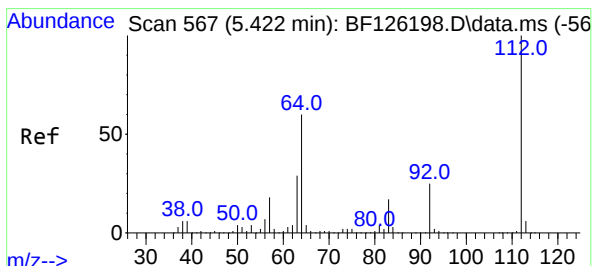
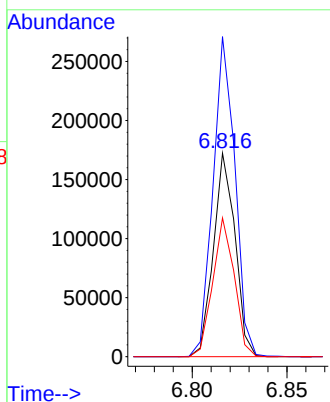
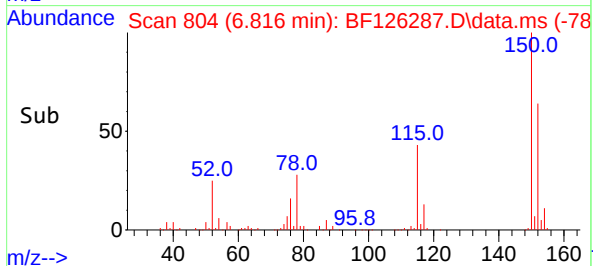
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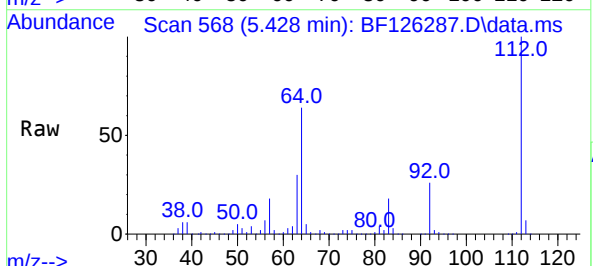
Tgt Ion:152 Resp: 13712
Ion Ratio Lower Upper
152 100
150 157.2 117.6 176.4
115 68.2 47.1 70.7

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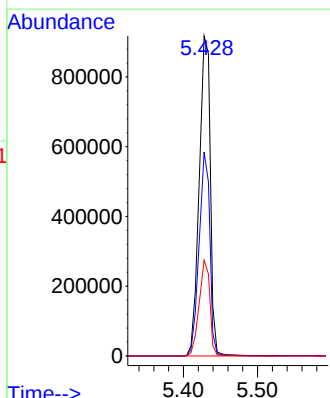
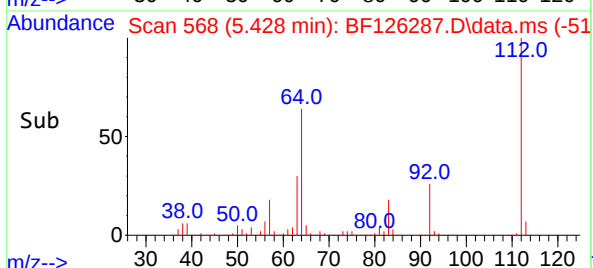
Reviewed By :Christian Giraldo 12/21/2021
Supervised By :Jagrut Upadhyay 12/21/2021

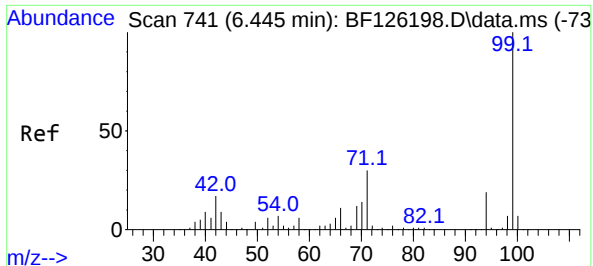


#5
2-Fluorophenol
Concen: 103.476 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.006 min
Lab File: BF126287.D
Acq: 20 Dec 2021 19:49



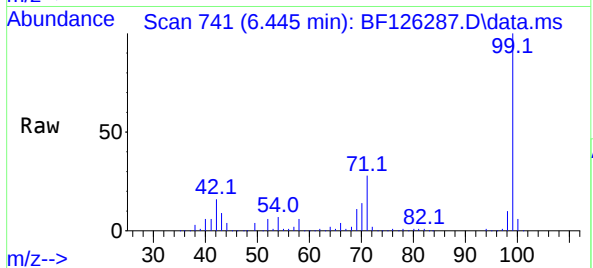
Tgt Ion:112 Resp: 963497
Ion Ratio Lower Upper
112 100
64 63.7 44.2 66.2
63 29.9 26.2 39.2





#7
Phenol-d6
Concen: 98.008 ng
RT: 6.445 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF126287.D
Acq: 20 Dec 2021 19:49

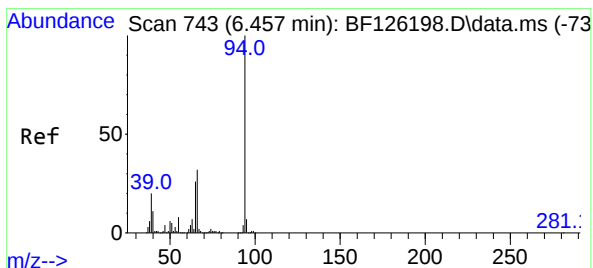
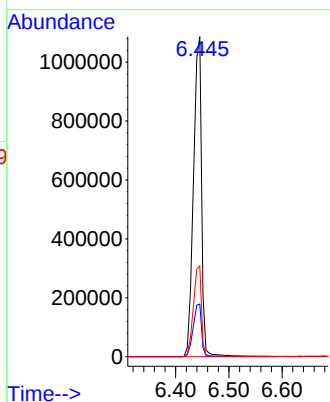
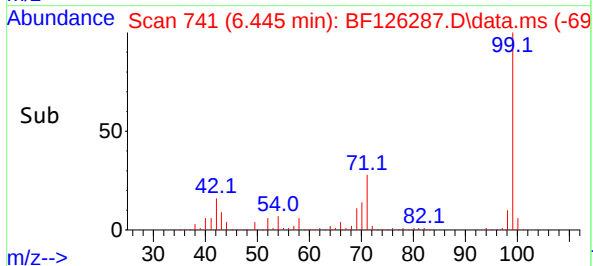
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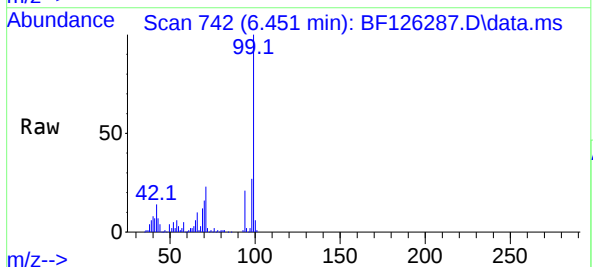
Tgt Ion: 99 Resp: 115875
Ion Ratio Lower Upper
99 100
42 16.5 23.5 35.3
71 28.4 25.6 38.4

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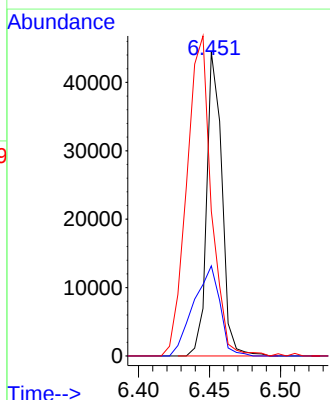
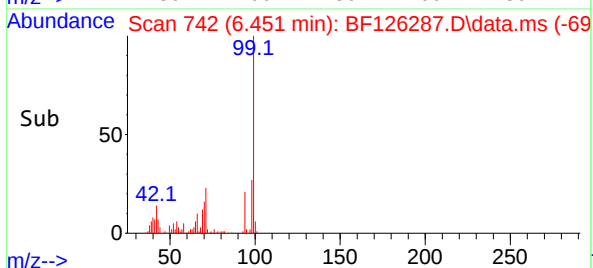
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Supervised By :Jagrut Upadhyay 12/21/2021

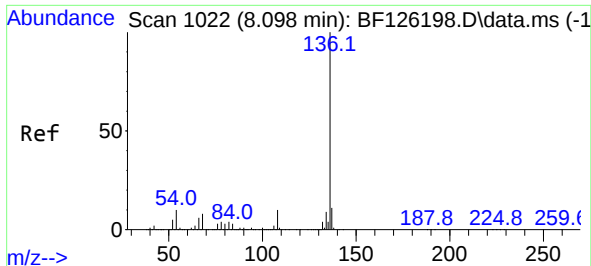


#10
Phenol
Concen: 2.498 ng
RT: 6.451 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF126287.D
Acq: 20 Dec 2021 19:49



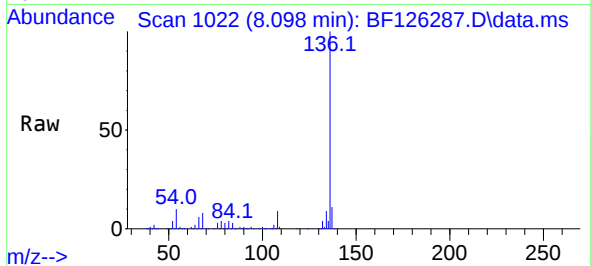
Tgt Ion: 94 Resp: 33151
Ion Ratio Lower Upper
94 100
65 29.7 9.3 49.3
66 47.6 20.3 60.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF126287.D
Acq: 20 Dec 2021 19:49

Instrument :
BNA_F
ClientSampleId :
VNJ-210

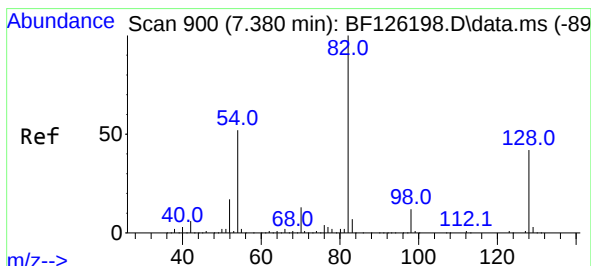
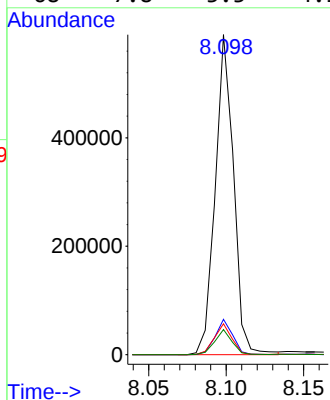
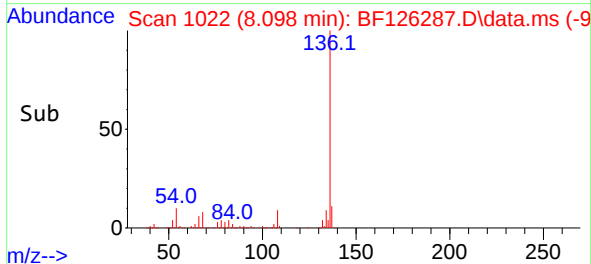


Tgt Ion:136 Resp: 485485

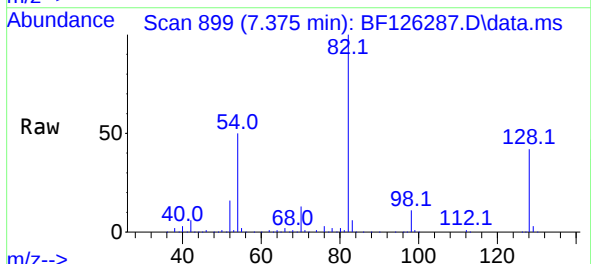
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.8	14.6
54	9.7	6.4	9.6
68	7.8	3.3	4.9

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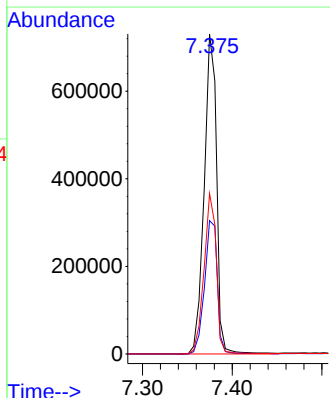
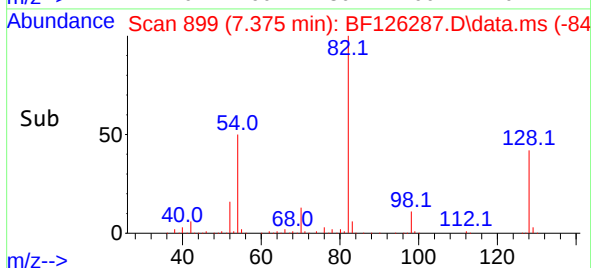


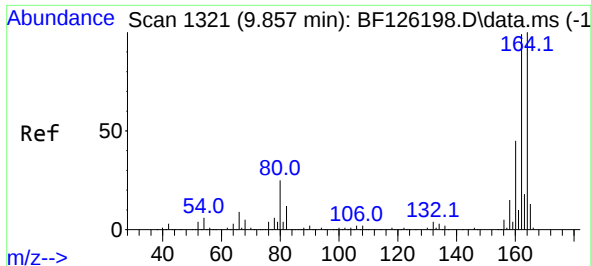
#23
Nitrobenzene-d5
Concen: 78.472 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF126287.D
Acq: 20 Dec 2021 19:49



Tgt Ion: 82 Resp: 703427

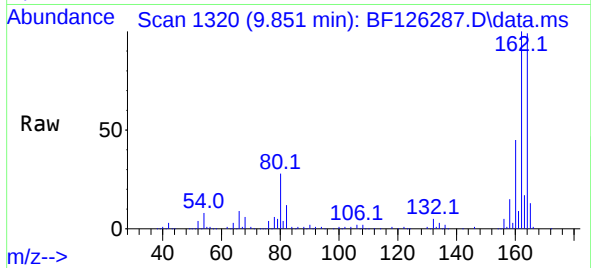
Ion	Ratio	Lower	Upper
82	100		
128	41.6	40.6	60.8
54	50.2	49.6	74.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126287.D
Acq: 20 Dec 2021 19:49

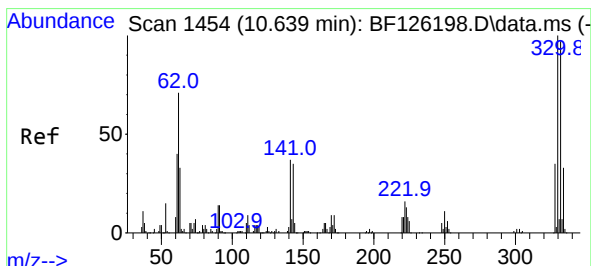
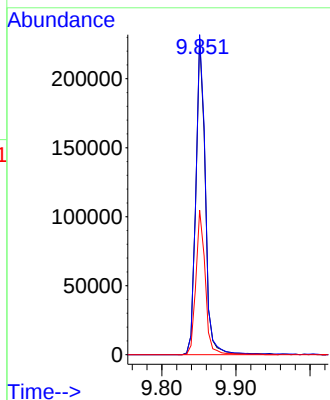
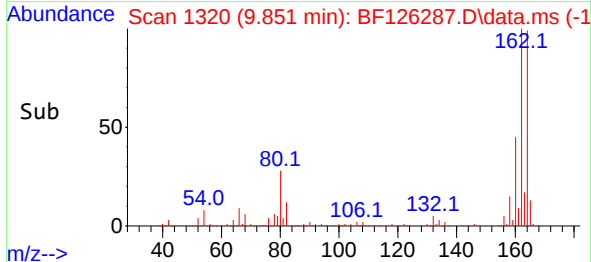
Instrument :
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ClientSampleId :
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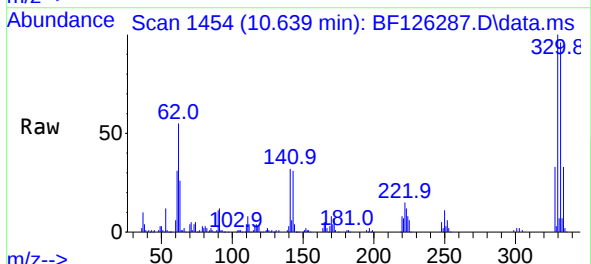
Tgt Ion:164 Resp: 201740
Ion Ratio Lower Upper
164 100
162 101.2 81.3 121.9
160 45.7 38.0 57.0

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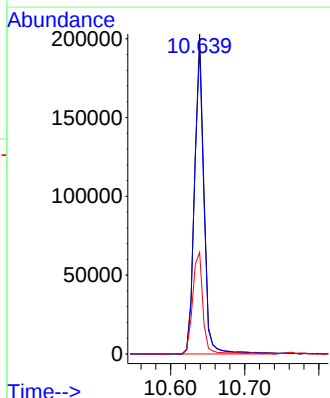
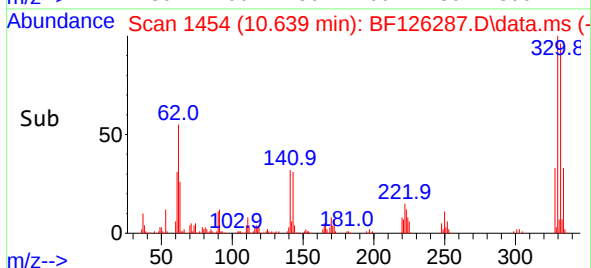
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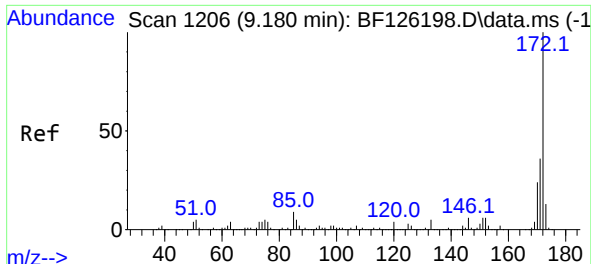


#42
2,4,6-Tribromophenol
Concen: 109.870 ng
RT: 10.639 min Scan# 1454
Delta R.T. 0.000 min
Lab File: BF126287.D
Acq: 20 Dec 2021 19:49



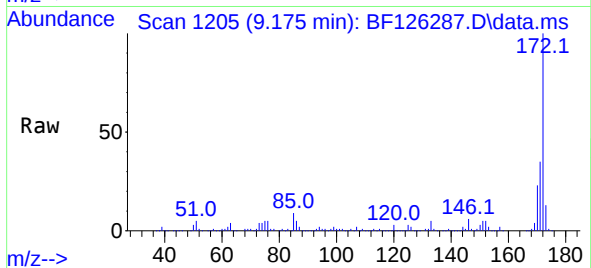
Tgt Ion:330 Resp: 178129
Ion Ratio Lower Upper
330 100
332 97.3 76.2 114.4
141 35.1 44.6 66.8#





#45
2-Fluorobiphenyl
Concen: 81.369 ng
RT: 9.175 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126287.D
Acq: 20 Dec 2021 19:49

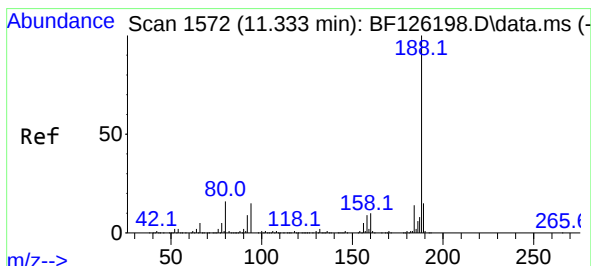
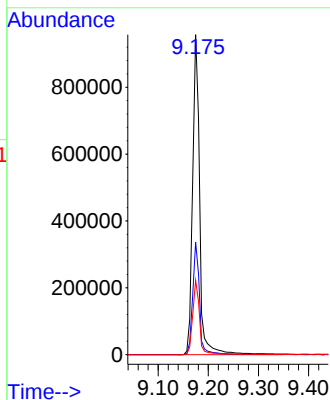
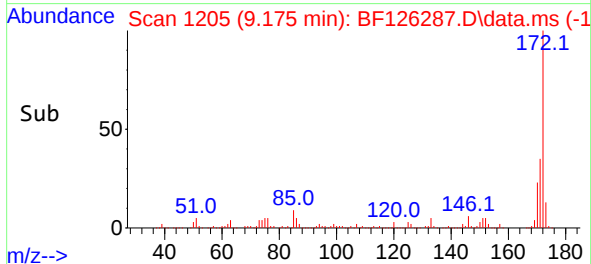
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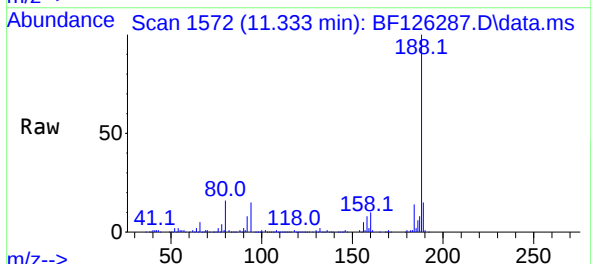
Tgt Ion:172 Resp: 935952
Ion Ratio Lower Upper
172 100
171 35.2 26.5 39.7
170 23.3 18.8 28.2

Manual Integrations
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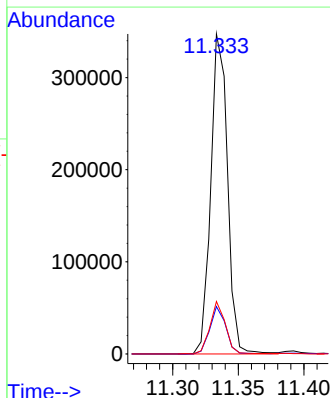
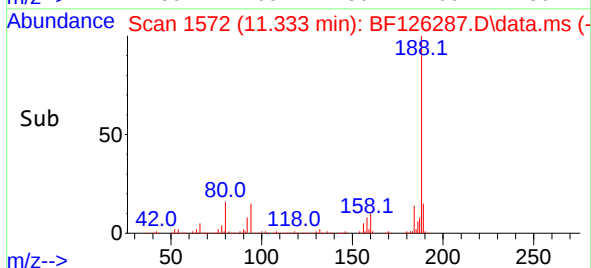
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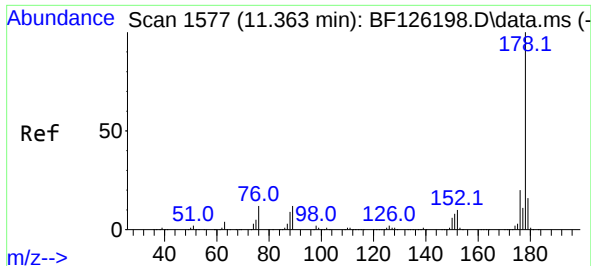


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BF126287.D
Acq: 20 Dec 2021 19:49



Tgt Ion:188 Resp: 308311
Ion Ratio Lower Upper
188 100
94 14.8 6.7 10.1#
80 16.4 7.5 11.3#





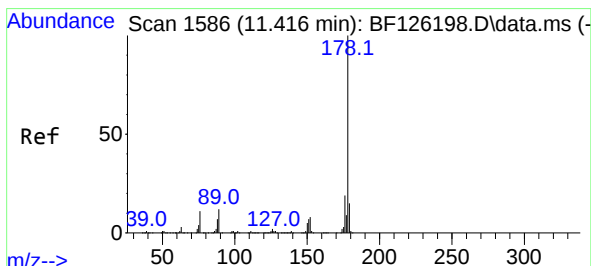
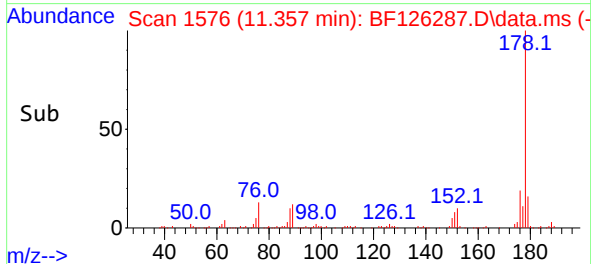
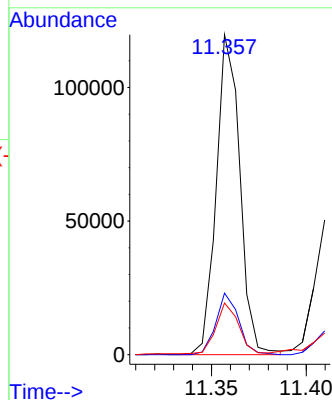
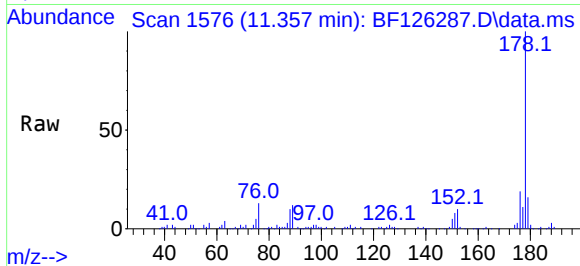
#71
Phenanthrene
Concen: 6.530 ng
RT: 11.357 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF126287.D
Acq: 20 Dec 2021 19:49

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:178 Resp: 103918
Ion Ratio Lower Upper
178 100
176 19.3 14.7 22.1
179 16.2 11.5 17.3

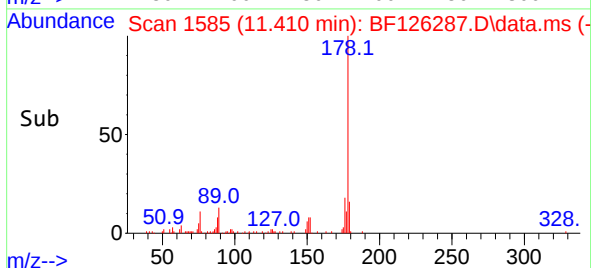
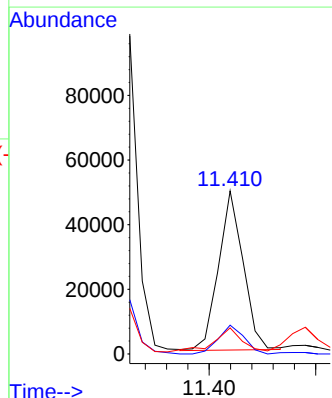
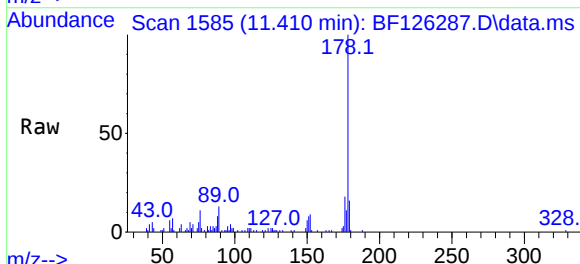
Manual Integrations
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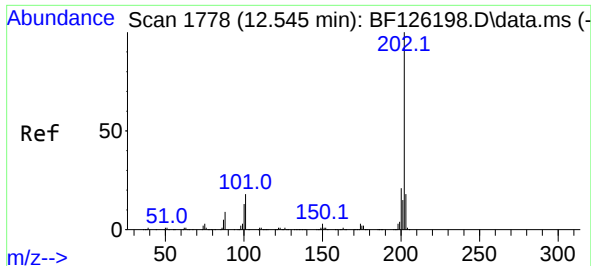
Reviewed By :Christian Giraldo 12/21/2021
Supervised By :Jagrut Upadhyay 12/21/2021



#72
Anthracene
Concen: 2.486 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF126287.D
Acq: 20 Dec 2021 19:49

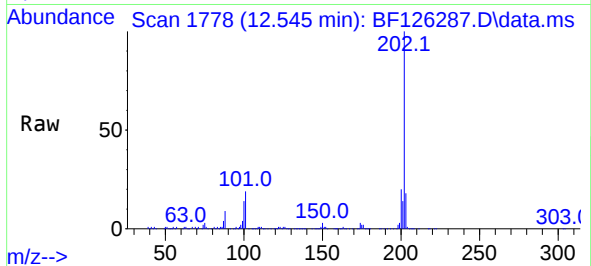
Tgt Ion:178 Resp: 39705
Ion Ratio Lower Upper
178 100
176 17.7 14.3 21.5
179 16.0 12.2 18.4





#75
Fluoranthene
Concen: 20.589 ng
RT: 12.545 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126287.D
Acq: 20 Dec 2021 19:49

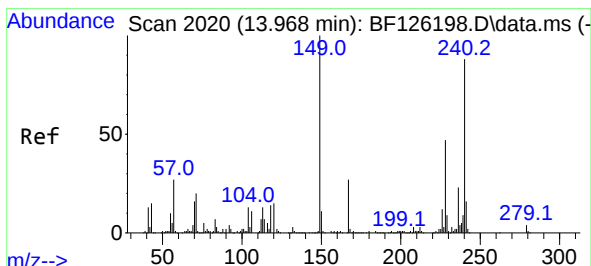
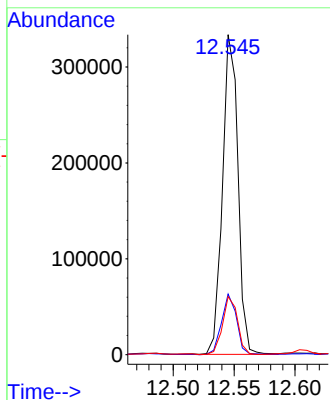
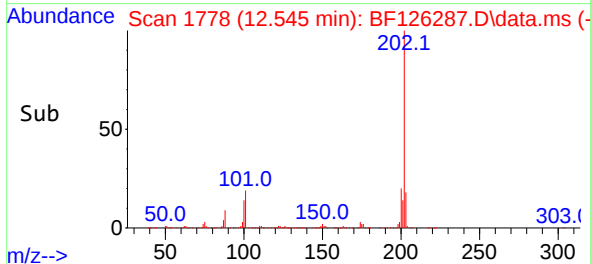
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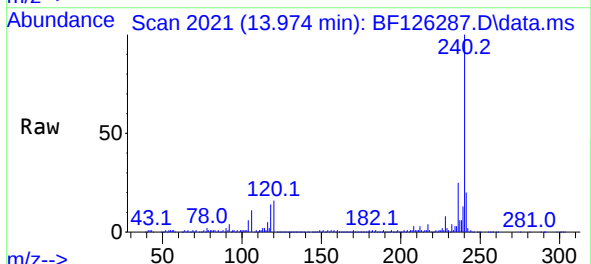
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Ion Ratio Lower Upper
202 100
101 18.9 0.0 30.7
203 18.1 0.0 36.3

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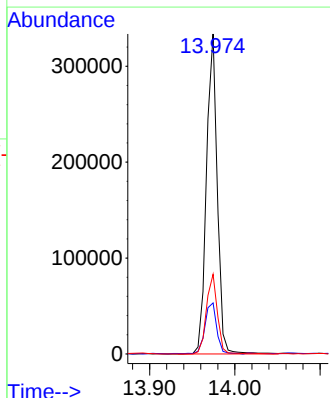
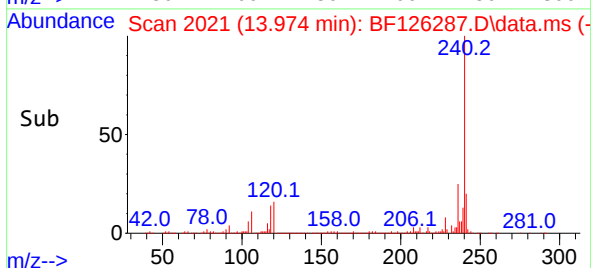
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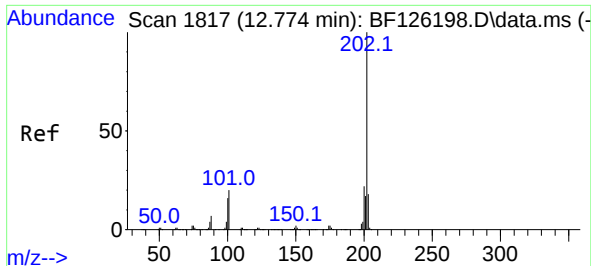


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF126287.D
Acq: 20 Dec 2021 19:49



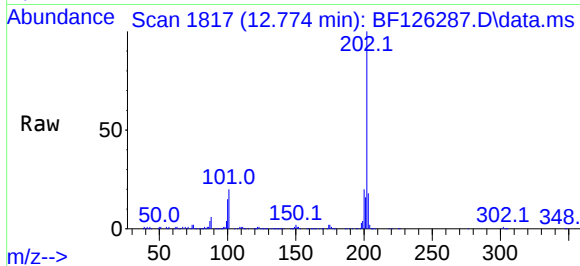
Tgt Ion:240 Resp: 294894
Ion Ratio Lower Upper
240 100
120 15.9 10.8 16.2
236 24.9 21.6 32.4





#78
Pyrene
Concen: 10.915 ng
RT: 12.774 min Scan# 1817
Delta R.T. 0.000 min
Lab File: BF126287.D
Acq: 20 Dec 2021 19:49

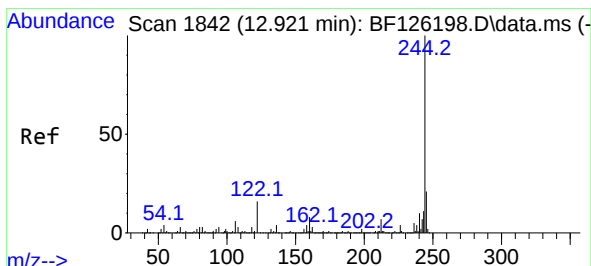
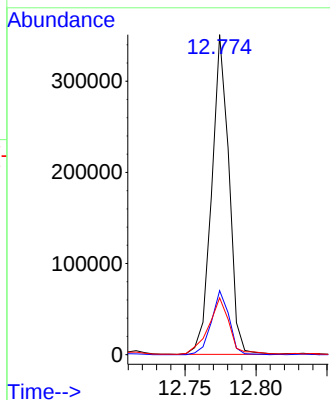
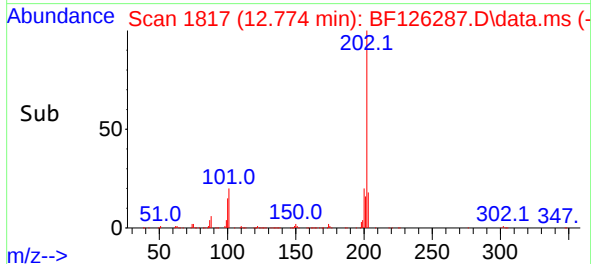
Instrument :
BNA_F
ClientSampleId :
VNJ-210



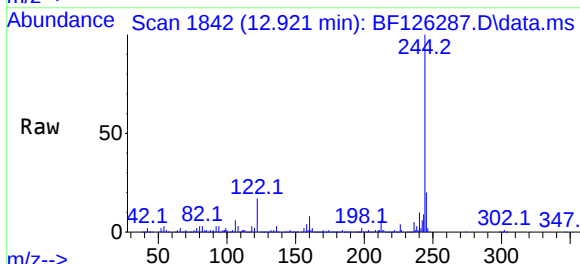
Tgt Ion:202 Resp: 295715
Ion Ratio Lower Upper
202 100
200 20.0 15.3 22.9
203 17.7 13.4 20.0

Manual Integrations
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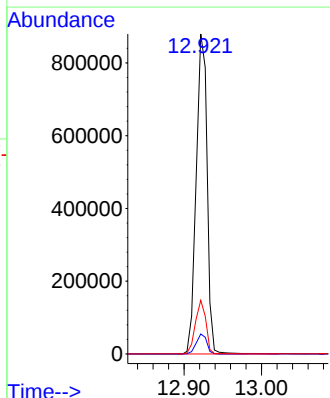
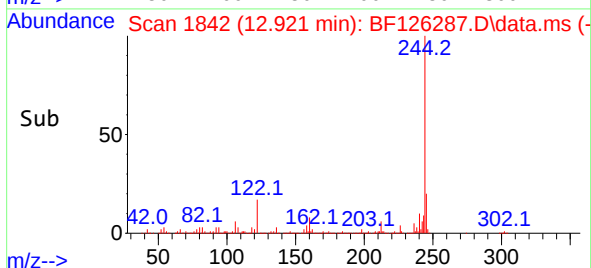
Reviewed By :Christian Giraldo 12/21/2021
Supervised By :Jagrut Upadhyay 12/21/2021

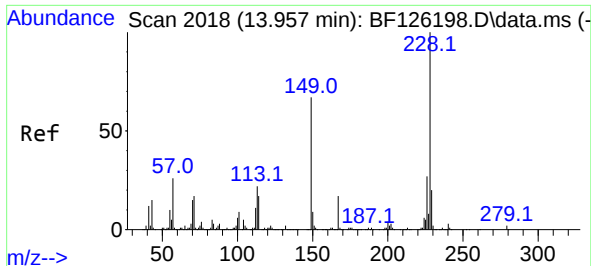


#79
Terphenyl-d14
Concen: 50.672 ng
RT: 12.921 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BF126287.D
Acq: 20 Dec 2021 19:49



Tgt Ion:244 Resp: 859717
Ion Ratio Lower Upper
244 100
212 6.2 5.9 8.9
122 16.7 9.0 13.4





#81
Benzo(a)anthracene
Concen: 7.369 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF126287.D
Acq: 20 Dec 2021 19:49

Instrument :

BNA_F

ClientSampleId :

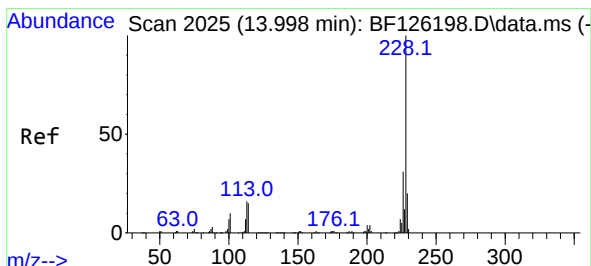
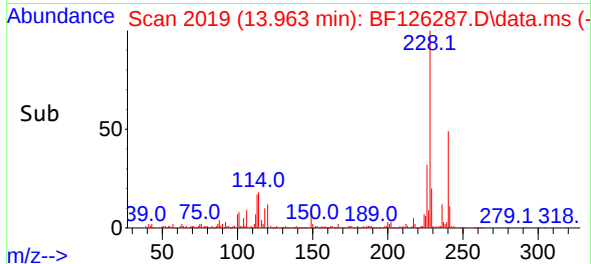
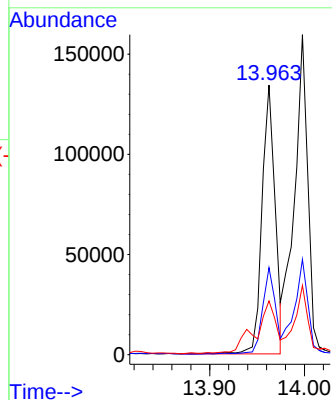
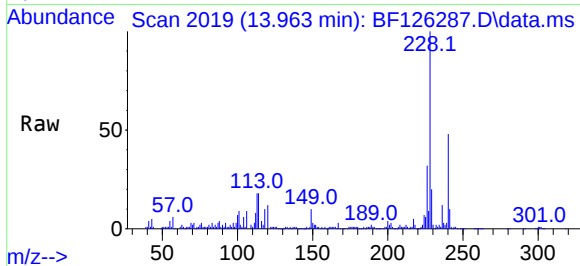
VNJ-210

Tgt Ion:228 Resp: 128720
Ion Ratio Lower Upper
228 100
226 32.3 21.6 32.4
229 20.0 15.6 23.4

Manual Integrations

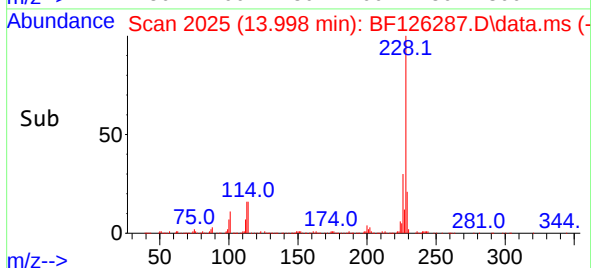
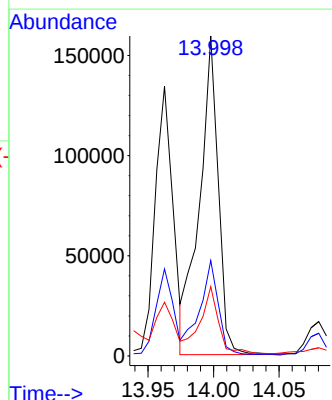
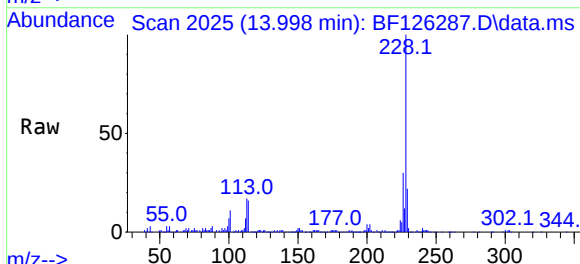
APPROVED

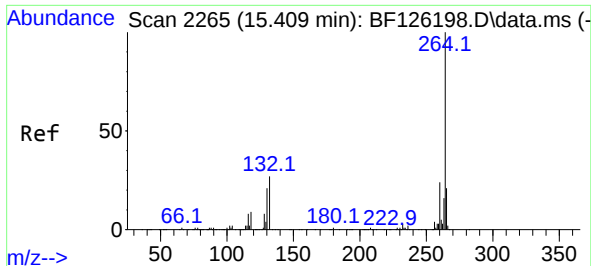
Reviewed By :Christian Giraldo 12/21/2021
Supervised By :Jagrut Upadhyay 12/21/2021



#83
Chrysene
Concen: 8.783 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF126287.D
Acq: 20 Dec 2021 19:49

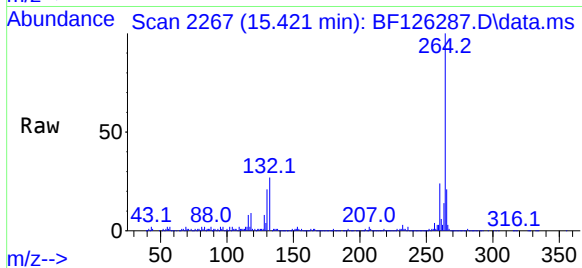
Tgt Ion:228 Resp: 159411
Ion Ratio Lower Upper
228 100
226 29.8 22.6 34.0
229 21.7 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF126287.D
Acq: 20 Dec 2021 19:49

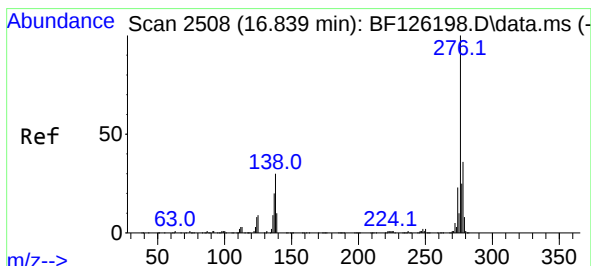
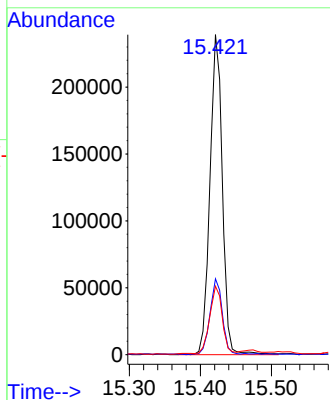
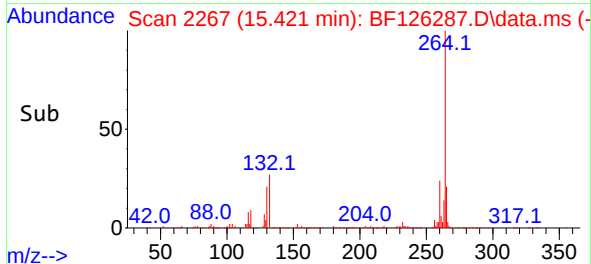
Instrument :
BNA_F
ClientSampleId :
VNJ-210



Tgt Ion:264 Resp: 291184
Ion Ratio Lower Upper
264 100
260 23.7 19.6 29.4
265 21.4 17.2 25.8

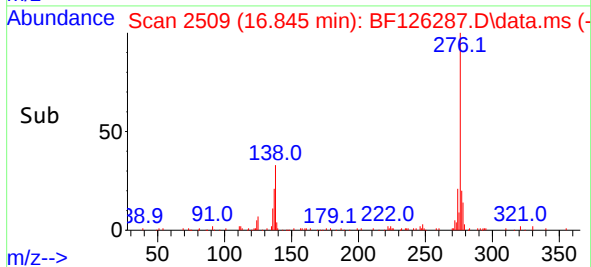
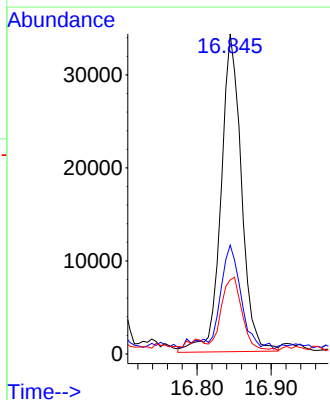
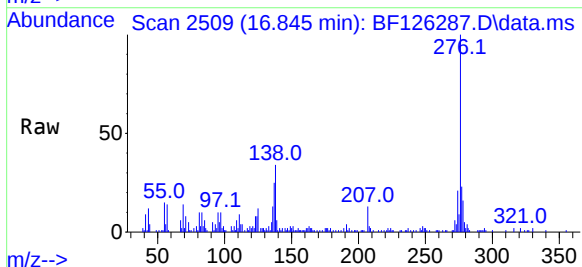
Manual Integrations
APPROVED

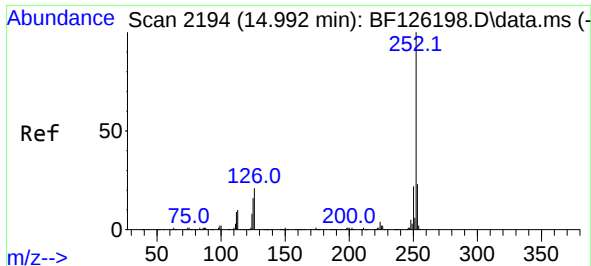
Reviewed By :Christian Giraldo 12/21/2021
Supervised By :Jagrut Upadhyay 12/21/2021



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.373 ng
RT: 16.845 min Scan# 2509
Delta R.T. 0.006 min
Lab File: BF126287.D
Acq: 20 Dec 2021 19:49

Tgt Ion:276 Resp: 65503
Ion Ratio Lower Upper
276 100
138 34.8 24.1 36.1
277 24.0 18.8 28.2





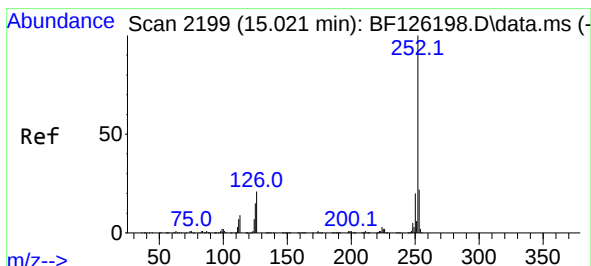
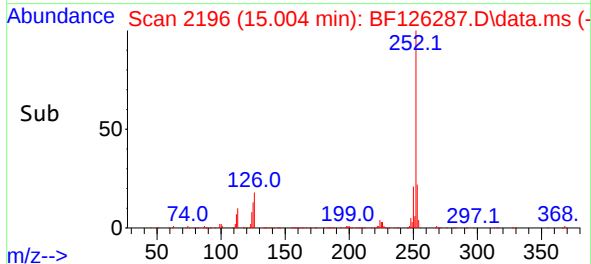
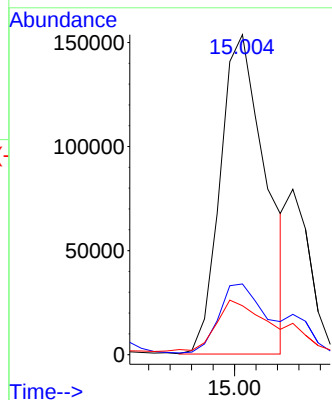
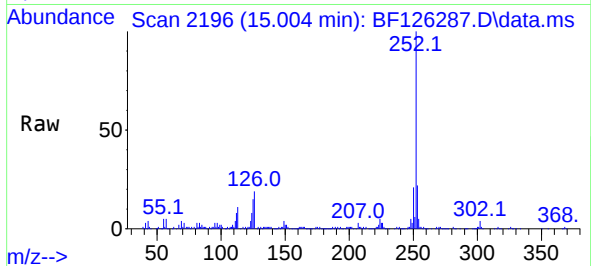
#88
Benzo(b)fluoranthene
Concen: 12.948 ng m
RT: 15.004 min Scan# 2194
Delta R.T. 0.012 min
Lab File: BF126287.D
Acq: 20 Dec 2021 19:49

Instrument :
BNA_F
ClientSampleId :
VNJ-210

Tgt Ion:252 Resp: 226530
Ion Ratio Lower Upper
252 100
253 22.1 16.8 25.2
125 15.3 9.8 14.8

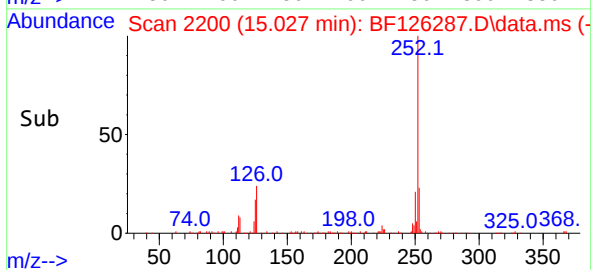
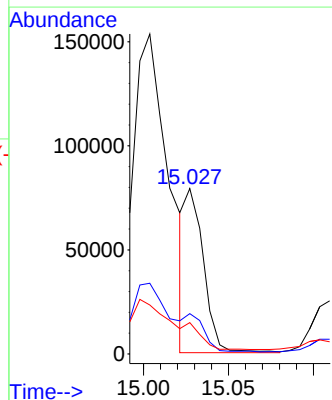
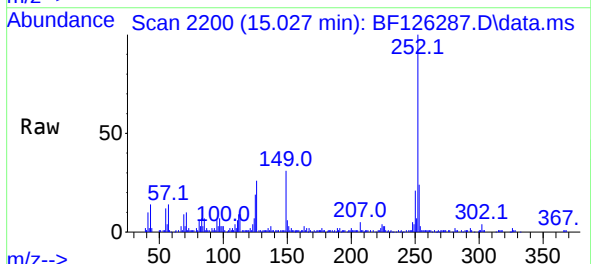
Manual Integrations
APPROVED

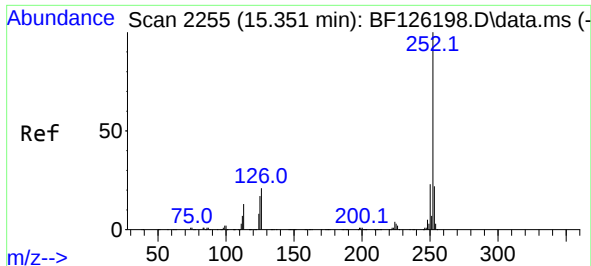
Reviewed By :Christian Giraldo 12/21/2021
Supervised By :Jagrut Upadhyay 12/21/2021



#89
Benzo(k)fluoranthene
Concen: 3.533 ng m
RT: 15.027 min Scan# 2200
Delta R.T. 0.006 min
Lab File: BF126287.D
Acq: 20 Dec 2021 19:49

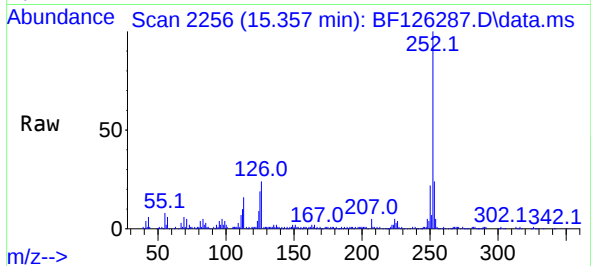
Tgt Ion:252 Resp: 59131
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.8
125 19.0 7.2 10.8





#90
Benzo(a)pyrene
Concen: 8.092 ng
RT: 15.357 min Scan# 211
Delta R.T. 0.006 min
Lab File: BF126287.D
Acq: 20 Dec 2021 19:49

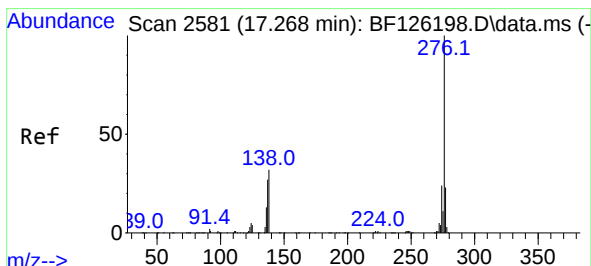
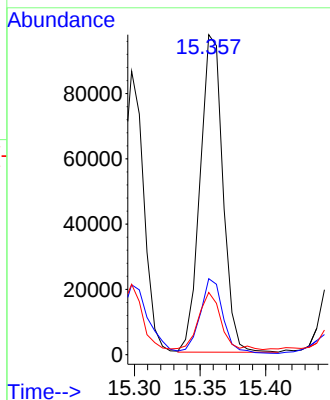
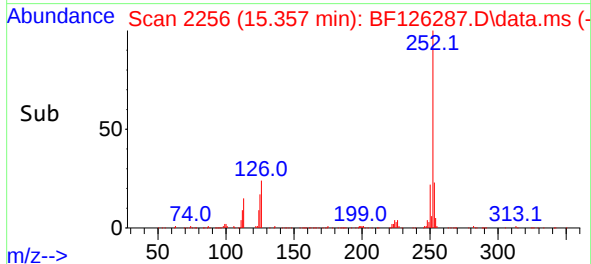
Instrument :
BNA_F
ClientSampleId :
VNJ-210



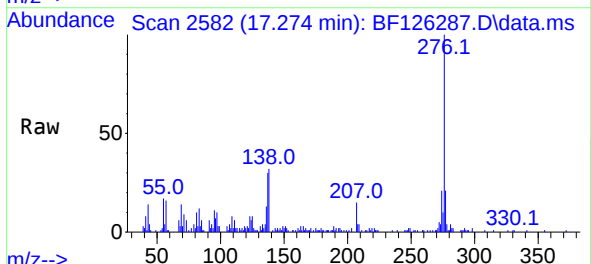
Tgt Ion:252 Resp: 117661
Ion Ratio Lower Upper
252 100
253 23.8 18.4 27.6
125 19.5 9.9 14.9

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/21/2021
Supervised By :Jagrut Upadhyay 12/21/2021



#92
Benzo(g,h,i)perylene
Concen: 3.762 ng
RT: 17.274 min Scan# 2582
Delta R.T. 0.006 min
Lab File: BF126287.D
Acq: 20 Dec 2021 19:49



Tgt Ion:276 Resp: 61461
Ion Ratio Lower Upper
276 100
277 21.3 22.0 33.0#
138 31.9 22.2 33.4

